



## SAR EVALUATION REPORT

**Applicant Name:**  
LG Electronics U.S.A., Inc.  
111 Sylvan Avenue, North Building  
Englewood Cliffs, NJ 07632  
United States

**Date of Testing:**  
07/01/20 - 08/17/20  
**Test Site/Location:**  
PCTEST, Columbia, MD, USA  
**Document Serial No.:**  
1M2006110090-01-R1.ZNF

**FCC ID:** **ZNFG900TM**

**APPLICANT:** **LG ELECTRONICS U.S.A., INC.**

**DUT Type:** Portable Handset  
**Application Type:** Class II Permissive Change  
**FCC Rule Part(s):** CFR §2.1093  
**Model:** LM-G900TM  
**Additional Model(s):** LMG900TM, G900TM  
**Permissive Change(s):** See FCC Change Document  
**Date of Original Certification:** 08/13/2020

| Equipment Class                            | Band & Mode          | Tx Frequency          | SAR            |                     |                   |                    |
|--------------------------------------------|----------------------|-----------------------|----------------|---------------------|-------------------|--------------------|
|                                            |                      |                       | 1g Head (W/kg) | 1g Body-Worn (W/kg) | 1g Hotspot (W/kg) | 10g Phablet (W/kg) |
| PCE                                        | CDMA/EVDO BC10 (90S) | 817.90 - 823.10 MHz   | 0.15           | 0.33                | 0.49              | N/A                |
| PCE                                        | CDMA/EVDO BC0 (822H) | 824.70 - 848.31 MHz   | 0.13           | 0.51                | 0.57              | N/A                |
| PCE                                        | PCS CDMA/EVDO        | 1851.25 - 1908.75 MHz | < 0.1          | 0.73                | 0.94              | 3.37               |
| PCE                                        | GSM/GPRS/EDGE 850    | 824.20 - 848.80 MHz   | 0.16           | 0.66                | 0.66              | N/A                |
| PCE                                        | GSM/GPRS/EDGE 1900   | 1850.20 - 1909.80 MHz | < 0.1          | 0.35                | 0.77              | N/A                |
| PCE                                        | UMTS 850             | 826.40 - 846.60 MHz   | 0.12           | 0.56                | 0.56              | N/A                |
| PCE                                        | UMTS 1750            | 1712.4 - 1752.6 MHz   | 0.14           | 0.91                | 0.90              | 2.17               |
| PCE                                        | UMTS 1900            | 1852.4 - 1907.6 MHz   | < 0.1          | 0.70                | 0.85              | 3.06               |
| PCE                                        | LTE Band 71          | 665.5 - 695.5 MHz     | 0.12           | 0.31                | 0.31              | N/A                |
| PCE                                        | LTE Band 12          | 699.7 - 715.3 MHz     | 0.14           | 0.31                | 0.31              | N/A                |
| PCE                                        | LTE Band 17          | 706.5 - 713.5 MHz     | N/A            | N/A                 | N/A               | N/A                |
| PCE                                        | LTE Band 13          | 779.5 - 784.5 MHz     | 0.10           | 0.35                | 0.35              | N/A                |
| PCE                                        | LTE Band 26 (Cell)   | 814.7 - 848.3 MHz     | 0.14           | 0.51                | 0.51              | N/A                |
| PCE                                        | LTE Band 5 (Cell)    | 824.7 - 848.3 MHz     | N/A            | N/A                 | N/A               | N/A                |
| PCE                                        | LTE Band 66 (AWS)    | 1710.7 - 1779.3 MHz   | 0.18           | 1.08                | 1.05              | 3.03               |
| PCE                                        | LTE Band 4 (AWS)     | 1710.7 - 1754.3 MHz   | N/A            | N/A                 | N/A               | N/A                |
| PCE                                        | LTE Band 25 (PCS)    | 1850.7 - 1914.3 MHz   | 0.10           | 0.58                | 1.00              | 2.95               |
| PCE                                        | LTE Band 2 (PCS)     | 1850.7 - 1909.3 MHz   | 0.17           | 0.40                | 1.07              | N/A                |
| PCE                                        | LTE Band 41          | 2496.5 - 2687.5 MHz   | < 0.1          | 0.49                | 0.69              | 2.94               |
| PCE                                        | NR Band n71          | 665.5 - 695.5 MHz     | 0.15           | 0.43                | 0.43              | N/A                |
| PCE                                        | NR Band n66 (AWS)    | 1712.5 - 1777.5 MHz   | 0.25           | 1.19                | 1.22              | 3.27               |
| PCE                                        | NR Band n25 (PCS)    | 1852.5 - 1912.5 MHz   | 0.35           | 0.83                | 1.30              | 3.46               |
| PCE                                        | NR Band n41          | 2501.01 - 2685 MHz    | 0.12           | 0.66                | 0.66              | N/A                |
| DTS                                        | 2.4 GHz WLAN         | 2412 - 2462 MHz       | 0.36           | 0.29                | 0.43              | N/A                |
| Nil                                        | U-NII-1              | 5180 - 5240 MHz       | N/A            | N/A                 | 0.66              | N/A                |
| Nil                                        | U-NII-2A             | 5260 - 5320 MHz       | 0.35           | 0.77                | N/A               | 1.83               |
| Nil                                        | U-NII-2C             | 5500 - 5720 MHz       | 0.21           | 0.48                | N/A               | 1.29               |
| Nil                                        | U-NII-3              | 5745 - 5825 MHz       | 0.46           | 0.93                | 0.93              | N/A                |
| DSS/DTS                                    | Bluetooth            | 2402 - 2480 MHz       | < 0.1          | < 0.1               | < 0.1             | N/A                |
| Simultaneous SAR per KDB 690783 D01v01r03: |                      |                       | 1.34           | 1.59                | 1.59              | 3.98               |

Note: This revised Test Report (S/N: 1M2006110090-01-R1.ZNF) supersedes and replaces the previously issued test report on the same subject device for the same type of testing as indicated. Please discard or destroy the previously issued test report(s) and dispose of it accordingly.

This wireless portable device has been shown to be capable of compliance for localized specific absorption rate (SAR) for uncontrolled environment/general population exposure limits specified in ANSI/IEEE C95.1-1992 and has been tested in accordance with the measurement procedures specified in Section 1.9 of this report; for North American frequency bands only.

I attest to the accuracy of data. All measurements reported herein were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them. Test results reported herein relate only to the item(s) tested.

  
Randy Ortanez  
President



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|                                         |                                                                                     |                               |                                                                                       |                                        |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                       |  | <b>SAR EVALUATION REPORT</b>  |  | <b>Approved by:</b><br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 1 of 227                          |

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# 1 DEVICE UNDER TEST

## 1.1 Device Overview

| Band & Mode           | Operating Modes | Tx Frequency          |
|-----------------------|-----------------|-----------------------|
| CDMA/EVDO BC10 (§90S) | Voice/Data      | 817.90 - 823.10 MHz   |
| CDMA/EVDO BC0 (§22H)  | Voice/Data      | 824.70 - 848.31 MHz   |
| PCS CDMA/EVDO         | Voice/Data      | 1851.25 - 1908.75 MHz |
| GSM/GPRS/EDGE 850     | Voice/Data      | 824.20 - 848.80 MHz   |
| GSM/GPRS/EDGE 1900    | Voice/Data      | 1850.20 - 1909.80 MHz |
| UMTS 850              | Voice/Data      | 826.40 - 846.60 MHz   |
| UMTS 1750             | Voice/Data      | 1712.4 - 1752.6 MHz   |
| UMTS 1900             | Voice/Data      | 1852.4 - 1907.6 MHz   |
| LTE Band 71           | Voice/Data      | 665.5 - 695.5 MHz     |
| LTE Band 12           | Voice/Data      | 699.7 - 715.3 MHz     |
| LTE Band 17           | Voice/Data      | 706.5 - 713.5 MHz     |
| LTE Band 13           | Voice/Data      | 779.5 - 784.5 MHz     |
| LTE Band 26 (Cell)    | Voice/Data      | 814.7 - 848.3 MHz     |
| LTE Band 5 (Cell)     | Voice/Data      | 824.7 - 848.3 MHz     |
| LTE Band 66 (AWS)     | Voice/Data      | 1710.7 - 1779.3 MHz   |
| LTE Band 4 (AWS)      | Voice/Data      | 1710.7 - 1754.3 MHz   |
| LTE Band 25 (PCS)     | Voice/Data      | 1850.7 - 1914.3 MHz   |
| LTE Band 2 (PCS)      | Voice/Data      | 1850.7 - 1909.3 MHz   |
| LTE Band 2 (PCS)      | Voice/Data      | 1850.7 - 1909.3 MHz   |
| LTE Band 41           | Voice/Data      | 2498.5 - 2687.5 MHz   |
| NR Band n71           | Data            | 665.5 - 695.5 MHz     |
| NR Band n66 (AWS)     | Data            | 1712.5 - 1777.5 MHz   |
| NR Band n25 (PCS)     | Data            | 1852.5 - 1912.5 MHz   |
| NR Band n2 (PCS)      | Data            | 1852.5 - 1907.5 MHz   |
| NR Band n41           | Data            | 2501.01 - 2685 MHz    |
| 2.4 GHz WLAN          | Voice/Data      | 2412 - 2462 MHz       |
| U-NII-1               | Voice/Data      | 5180 - 5240 MHz       |
| U-NII-2A              | Voice/Data      | 5260 - 5320 MHz       |
| U-NII-2C              | Voice/Data      | 5500 - 5720 MHz       |
| U-NII-3               | Voice/Data      | 5745 - 5825 MHz       |
| Bluetooth             | Data            | 2402 - 2480 MHz       |
| WPT                   | N/A             | 110 kHz - 148 kHz     |

|                                         |                                                                                                                                                                                                              |                               |                                                                                                 |                                 |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  <b>PCTEST</b><br>Proud to be part of  | SAR EVALUATION REPORT         |  <b>LG</b> | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                                           | DUT Type:<br>Portable Handset |                                                                                                 | Page 3 of 227                   |

## 1.2 Power Reduction for SAR

This device uses an independent fixed level power reduction mechanism for WLAN operations during voice or VoIP held to ear scenarios and in some simultaneous transmission conditions with 2.4 GHz + 5 GHz WLAN and/or EN-DC active. Per FCC Guidance, the held-to-ear exposure conditions were evaluated at reduced power according to the head SAR positions described in IEEE 1528-2013. Detailed descriptions of the power reduction mechanism are included in the operational description.

This device utilizes a power reduction mechanism for some wireless modes and bands for SAR compliance under portable hotspot conditions and under some conditions when the device is being used in close proximity to the user's hand. All hotspot SAR evaluations for this device were performed at the maximum allowed output power when hotspot is enabled. FCC KDB Publication 616217 D04v01r02 Section 6 was used as a guideline for selecting SAR test distances for this device when being used in phablet use conditions. Detailed descriptions of the power reduction mechanism are included in the operational description.

## 1.3 Dual Display Cover

This device supports Dual Display (DD) Cover, which attaches to the device to provide a secondary display on the inside of the cover. The Dual Display Cover is free rotating from 0 to 360 degrees. Per FCC guidance, the use conditions of 0, 180 and 360 degrees were considered for SAR testing. SAR with the Dual Display Cover was measured for the overall worst case per each exposure condition (head, body-worn accessory, hotspot mode, etc.). Head SAR tests were performed with the accessory cover folded to 0 and 360 degrees to represent typical use conditions. Body-worn, Hotspot, and Phablet SAR tests were performed with accessory cover folded to 0, 180 and 360 degrees. When the output power for dual-display cover in a given exposure condition was higher than the power without the dual display cover, additional tests were performed at the higher output power level.

## 1.4 Nominal and Maximum Output Power Specifications

This device operates using the following maximum and nominal output power specifications. SAR values were scaled to the maximum allowed power to determine compliance per KDB Publication 447498 D01v06.

### 1.4.1 2G/3G/4G/5G Output Power

| GSM/GPRS/EDGE 850   |                   |                   |                                    |            |            |            |                                     |            |            |            |
|---------------------|-------------------|-------------------|------------------------------------|------------|------------|------------|-------------------------------------|------------|------------|------------|
| Power Level         |                   | Voice<br>(in dBm) | Data - Burst Average GMSK (in dBm) |            |            |            | Data - Burst Average 8-PSK (in dBm) |            |            |            |
|                     |                   | 1 TX Slot         | 1 TX Slots                         | 2 TX Slots | 3 TX Slots | 4 TX Slots | 1 TX Slots                          | 2 TX Slots | 3 TX Slots | 4 TX Slots |
| Max or Dual Display | Max allowed power | 33.7              | 33.7                               | 31.2       | 30.2       | 29.2       | 27.2                                | 26.7       | 25.7       | 24.7       |
|                     | Nominal           | 33.2              | 33.2                               | 30.7       | 29.7       | 28.7       | 26.7                                | 26.2       | 25.2       | 24.2       |
| GSM/GPRS/EDGE 1900  |                   |                   |                                    |            |            |            |                                     |            |            |            |
| Power Level         |                   | Voice<br>(in dBm) | Data - Burst Average GMSK (in dBm) |            |            |            | Data - Burst Average 8-PSK (in dBm) |            |            |            |
|                     |                   | 1 TX Slot         | 1 TX Slots                         | 2 TX Slots | 3 TX Slots | 4 TX Slots | 1 TX Slots                          | 2 TX Slots | 3 TX Slots | 4 TX Slots |
| Max or Dual Display | Max allowed power | 30.7              | 30.7                               | 29.2       | 27.2       | 25.7       | 26.2                                | 25.7       | 24.7       | 23.7       |
|                     | Nominal           | 30.2              | 30.2                               | 28.7       | 26.7       | 25.2       | 25.7                                | 25.2       | 24.2       | 23.2       |

|                                                |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
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| CDMA BC10 (815 MHz)        |                   |                                            |            |            |
|----------------------------|-------------------|--------------------------------------------|------------|------------|
| Power Level                |                   | Modulated Average Output Power<br>(in dBm) |            |            |
|                            |                   | 1x-RTT                                     | EVDO Rev 0 | EVDO Rev A |
| Max or Dual Display        | Max allowed power | 24.7                                       | 24.7       | 24.7       |
|                            | Nominal           | 24.2                                       | 24.2       | 24.2       |
| CDMA BC0 (835 MHz)         |                   |                                            |            |            |
| Power Level                |                   | Modulated Average Output Power<br>(in dBm) |            |            |
|                            |                   | 1x-RTT                                     | EVDO Rev 0 | EVDO Rev A |
| Max or Dual Display        | Max allowed power | 24.7                                       | 24.7       | 24.7       |
|                            | Nominal           | 24.2                                       | 24.2       | 24.2       |
| CDMA BC1 (1900 MHz)        |                   |                                            |            |            |
| Power Level                |                   | Modulated Average Output Power<br>(in dBm) |            |            |
|                            |                   | 1x-RTT                                     | EVDO Rev 0 | EVDO Rev A |
| Max or Dual Display        | Max allowed power | 24.7                                       | 24.7       | 24.7       |
|                            | Nominal           | 24.2                                       | 24.2       | 24.2       |
| Hotspot Mode Active        | Max allowed power | 22.7                                       | 22.7       | 22.7       |
|                            | Nominal           | 22.2                                       | 22.2       | 22.2       |
| Proximity Sensor<br>Active | Max allowed power | 22.7                                       | 22.7       | 22.7       |
|                            | Nominal           | 22.2                                       | 22.2       | 22.2       |

| UMTS Band 5 (850 MHz)   |                   |                                            |                     |                     |
|-------------------------|-------------------|--------------------------------------------|---------------------|---------------------|
| Power Level             |                   | Modulated Average Output Power<br>(in dBm) |                     |                     |
|                         |                   | 3GPP<br>WCDMA<br>Rel 99                    | 3GPP HSDPA<br>Rel 5 | 3GPP HSUPA<br>Rel 6 |
| Max or Dual Display     | Max allowed power | 24.7                                       | 24.7                | 24.7                |
|                         | Nominal           | 24.2                                       | 24.2                | 24.2                |
| UMTS Band 4 (1750 MHz)  |                   |                                            |                     |                     |
| Power Level             |                   | Modulated Average Output Power<br>(in dBm) |                     |                     |
|                         |                   | 3GPP<br>WCDMA<br>Rel 99                    | 3GPP HSDPA<br>Rel 5 | 3GPP HSUPA<br>Rel 6 |
| Max or Dual Display     | Max allowed power | 24.7                                       | 24.7                | 24.7                |
|                         | Nominal           | 24.2                                       | 24.2                | 24.2                |
| Hotspot Mode Active     | Max allowed power | 22.7                                       | 22.7                | 22.7                |
|                         | Nominal           | 22.2                                       | 22.2                | 22.2                |
| Proximity Sensor Active | Max allowed power | 22.7                                       | 22.7                | 22.7                |
|                         | Nominal           | 22.2                                       | 22.2                | 22.2                |
| UMTS Band 2 (1900 MHz)  |                   |                                            |                     |                     |
| Power Level             |                   | Modulated Average Output Power<br>(in dBm) |                     |                     |
|                         |                   | 3GPP<br>WCDMA<br>Rel 99                    | 3GPP HSDPA<br>Rel 5 | 3GPP HSUPA<br>Rel 6 |
| Max or Dual Display     | Max allowed power | 24.7                                       | 24.7                | 24.7                |
|                         | Nominal           | 24.2                                       | 24.2                | 24.2                |
| Hotspot Mode Active     | Max allowed power | 22.7                                       | 22.7                | 22.7                |
|                         | Nominal           | 22.2                                       | 22.2                | 22.2                |
| Proximity Sensor Active | Max allowed power | 22.7                                       | 22.7                | 22.7                |
|                         | Nominal           | 22.2                                       | 22.2                | 22.2                |

|                                         |                                                                                                                                                                                                              |                               |                                                                                       |                                 |
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| Mode / Band           |                   | Modulated Average Output Power (in dBm) |                     |                         |
|-----------------------|-------------------|-----------------------------------------|---------------------|-------------------------|
|                       |                   | Max or Dual Display                     | Hotspot Mode Active | Proximity Sensor Active |
| LTE FDD Band 71       | Max allowed power | 25.5                                    | 25.5                | 25.5                    |
|                       | Nominal           | 25.0                                    | 25.0                | 25.0                    |
| LTE FDD Band 12       | Max allowed power | 25.5                                    | 25.5                | 25.5                    |
|                       | Nominal           | 25.0                                    | 25.0                | 25.0                    |
| LTE FDD Band 17       | Max allowed power | 25.5                                    | 25.5                | 25.5                    |
|                       | Nominal           | 25.0                                    | 25.0                | 25.0                    |
| LTE FDD Band 13       | Max allowed power | 25.5                                    | 25.5                | 25.5                    |
|                       | Nominal           | 25.0                                    | 25.0                | 25.0                    |
| LTE FDD Band 5        | Max allowed power | 25.5                                    | 25.5                | 25.5                    |
|                       | Nominal           | 25.0                                    | 25.0                | 25.0                    |
| LTE FDD Band 26       | Max allowed power | 25.5                                    | 25.5                | 25.5                    |
|                       | Nominal           | 25.0                                    | 25.0                | 25.0                    |
| LTE FDD Band 4        | Max allowed power | 25.2                                    | 23.2                | 23.2                    |
|                       | Nominal           | 24.7                                    | 22.7                | 22.7                    |
| LTE FDD Band 66       | Max allowed power | 25.2                                    | 23.2                | 23.2                    |
|                       | Nominal           | 24.7                                    | 22.7                | 22.7                    |
| LTE FDD Band 2        | Max allowed power | 25.2                                    | 23.2                | 23.2                    |
|                       | Nominal           | 24.7                                    | 22.7                | 22.7                    |
| LTE FDD Band 25       | Max allowed power | 25.2                                    | 23.2                | 23.2                    |
|                       | Nominal           | 24.7                                    | 22.7                | 22.7                    |
| LTE TDD Band 41 (PC3) | Max allowed power | 25.2                                    | 24.2                | 24.2                    |
|                       | Nominal           | 24.7                                    | 23.7                | 23.7                    |
| LTE TDD Band 41 (PC2) | Max allowed power | 27.7                                    | 26.7                | 26.7                    |
|                       | Nominal           | 27.2                                    | 26.2                | 26.2                    |

| Mode / Band                                 |                   | Modulated Average Output Power (in dBm) |                     |                         |
|---------------------------------------------|-------------------|-----------------------------------------|---------------------|-------------------------|
|                                             |                   | Max or Dual Display                     | Hotspot Mode Active | Proximity Sensor Active |
| NR Band n71                                 | Max allowed power | 25.7                                    | 25.7                | 25.7                    |
|                                             | Nominal           | 25.2                                    | 25.2                | 25.2                    |
| NR Band n66 (SA operation with Ant 2)       | Max allowed power | 25.2                                    | 23.2                | 23.2                    |
|                                             | Nominal           | 24.7                                    | 22.7                | 22.7                    |
| NR Band n66 (NSA & SA operation with Ant 3) | Max allowed power | 25.2                                    | 23.2                | 23.2                    |
|                                             | Nominal           | 24.7                                    | 22.7                | 22.7                    |
| NR Band n25 (SA operation with Ant 2)       | Max allowed power | 25.2                                    | 23.2                | 23.2                    |
|                                             | Nominal           | 24.7                                    | 22.7                | 22.7                    |
| NR Band n25 (NSA & SA operation with Ant 3) | Max allowed power | 25.2                                    | 23.2                | 23.2                    |
|                                             | Nominal           | 24.7                                    | 22.7                | 22.7                    |
| NR Band n41 (PC3) (NSA & SA)                | Max allowed power | 25.7                                    | 25.7                | 25.7                    |
|                                             | Nominal           | 25.2                                    | 25.2                | 25.2                    |
| NR Band n41 (PC2) (SA only)                 | Max allowed power | 27.7                                    | 27.7                | 27.7                    |
|                                             | Nominal           | 27.2                                    | 27.2                | 27.2                    |

|                                                |                                                                                                                                                                                                              |                                      |                                                                                                 |                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------------|
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| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset | Page 6 of 227                                                                                   |                                        |

The below tables are applicable in the following condition:

- Inter-band ULCA Active for combos CA 12A-66A, CA 2A-12A

| Mode / Band                         |                   | Modulated Average Output Power (in dBm) |                     |                         |
|-------------------------------------|-------------------|-----------------------------------------|---------------------|-------------------------|
|                                     |                   | Max                                     | Hotspot Mode Active | Proximity Sensor Active |
| LTE FDD Band 12<br>as PCC           | Max allowed power | 23.5                                    | 23.5                | 23.5                    |
|                                     | Nominal           | 23.0                                    | 23.0                | 23.0                    |
| LTE FDD Band 66 Antenna 3<br>as PCC | Max allowed power | 23.5                                    | 23.5                | 23.5                    |
|                                     | Nominal           | 23.0                                    | 23.0                | 23.0                    |
| LTE FDD Band 2 Antenna 3<br>as PCC  | Max allowed power | 23.5                                    | 23.5                | 23.5                    |
|                                     | Nominal           | 23.0                                    | 23.0                | 23.0                    |

| Mode / Band                         |                   | Modulated Average Output Power (in dBm) |                     |                         |
|-------------------------------------|-------------------|-----------------------------------------|---------------------|-------------------------|
|                                     |                   | Max                                     | Hotspot Mode Active | Proximity Sensor Active |
| LTE FDD Band 12<br>as SCC           | Max allowed power | 17.7                                    | 17.7                | 17.7                    |
|                                     | Nominal           | 17.2                                    | 17.2                | 17.2                    |
| LTE FDD Band 66 Antenna 3<br>as SCC | Max allowed power | 17.7                                    | 17.7                | 17.7                    |
|                                     | Nominal           | 17.2                                    | 17.2                | 17.2                    |
| LTE FDD Band 2 Antenna 3<br>as SCC  | Max allowed power | 17.7                                    | 17.7                | 17.7                    |
|                                     | Nominal           | 17.2                                    | 17.2                | 17.2                    |

|                                         |                                                                                                                                                                                                              |                               |                                                                                       |                                 |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  <b>PCTEST</b><br>Proud to be part of  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                                           | DUT Type:<br>Portable Handset |                                                                                       | Page 7 of 227                   |

## 1.4.2 Maximum Bluetooth and SISO/MIMO WLAN Output Power

| Mode                       | Band     | IEEE 802.11 (in dBm) |      |              |      |              |      |                   |      |                  |      |                      |      |
|----------------------------|----------|----------------------|------|--------------|------|--------------|------|-------------------|------|------------------|------|----------------------|------|
|                            |          | SISO                 |      |              |      |              |      | MIMO              |      |                  |      |                      |      |
|                            |          | Antenna 1/2          |      |              |      |              |      |                   |      |                  |      |                      |      |
|                            |          | b                    |      | g            |      | n            |      | b<br>(CDD + STBC) |      | g<br>(CDD+ STBC) |      | n<br>(CDD+STBC, SDM) |      |
| Maximum /<br>Nominal Power |          | Max                  | Nom. | Max          | Nom. | Max          | Nom. | Max               | Nom. | Max              | Nom. | Max                  | Nom. |
| 2.4 GHz<br>WIFI            | 2.45 GHz | 21.0                 | 20.0 | 19.5         | 18.5 | 18.5         | 17.5 | 24.0              | 23.0 | 22.5             | 21.5 | 21.5                 | 20.5 |
|                            |          |                      |      | ch. 1: 16.5  | 15.5 | ch. 1: 16.0  | 15.0 |                   |      | ch. 1: 19.5      | 18.5 | ch. 1: 19.0          | 18.0 |
|                            |          |                      |      | ch. 2: 16.5  | 15.5 | ch. 2: 16.0  | 15.0 |                   |      | ch. 2: 19.5      | 18.5 | ch. 2: 19.0          | 18.0 |
|                            |          |                      |      | ch. 10: 17.0 | 16.0 | ch. 10: 16.0 | 15.0 |                   |      | ch. 10: 20.0     | 19.0 | ch. 10: 19.0         | 18.0 |
|                            |          |                      |      | ch. 11: 17.0 | 16.0 | ch. 11: 16.0 | 15.0 |                   |      | ch. 11: 20.0     | 19.0 | ch. 11: 19.0         | 18.0 |

| Mode                           | Band          | IEEE 802.11 (in dBm) |               |               |               |               |               |                   |               |                      |               |                       |      |
|--------------------------------|---------------|----------------------|---------------|---------------|---------------|---------------|---------------|-------------------|---------------|----------------------|---------------|-----------------------|------|
|                                |               | SISO                 |               |               |               |               |               | MIMO              |               |                      |               |                       |      |
|                                |               | Antenna 1/2          |               |               |               |               |               |                   |               |                      |               |                       |      |
|                                |               | a                    |               | n             |               | ac            |               | a<br>(CDD + STBC) |               | n<br>(CDD+STBC, SDM) |               | ac<br>(CDD+STBC, SDM) |      |
| Maximum / Nominal Power        |               | Max                  | Nom.          | Max           | Nom.          | Max           | Nom.          | Max               | Nom.          | Max                  | Nom.          | Max                   | Nom. |
| 5 GHz<br>WiFi<br>(20MHz<br>BW) | 5200 MHz      | 19.5                 | 18.5          | 19.5          | 18.5          | 19.5          | 18.5          | 22.5              | 21.5          | 22.5                 | 21.5          | 22.5                  | 21.5 |
|                                |               | ch. 36: 17.5         | 16.5          | ch. 36: 17.3  | 16.3          | ch. 36: 17.3  | 16.3          | ch. 36: 20.5      | 19.5          | ch. 36: 20.3         | 19.3          | ch. 36: 20.3          | 19.3 |
|                                |               | ch. 44: 17.5         | 16.5          | ch. 44: 17.3  | 16.3          | ch. 44: 17.3  | 16.3          | ch. 44: 20.5      | 19.5          | ch. 44: 20.3         | 19.3          | ch. 44: 20.3          | 19.3 |
|                                | ch. 48: 17.5  | 16.5                 | ch. 48: 17.4  | 16.4          | ch. 48: 17.4  | 16.4          | ch. 48: 20.5  | 19.5              | ch. 48: 20.4  | 19.4                 | ch. 48: 20.4  | 19.4                  |      |
|                                | 5300 MHz      | 19.5                 | 18.5          | 19.5          | 18.5          | 19.5          | 18.5          | 22.5              | 21.5          | 22.5                 | 21.5          | 22.5                  | 21.5 |
|                                |               | ch. 52: 17.5         | 16.5          | ch. 52: 17.4  | 16.4          | ch. 52: 17.4  | 16.4          | ch. 52: 20.5      | 19.5          | ch. 52: 20.4         | 19.4          | ch. 52: 20.4          | 19.4 |
|                                |               | ch. 60: 17.6         | 16.6          | ch. 60: 17.4  | 16.4          | ch. 60: 17.4  | 16.4          | ch. 60: 20.6      | 19.6          | ch. 60: 20.4         | 19.4          | ch. 60: 20.4          | 19.4 |
|                                | ch. 64: 17.5  | 16.5                 | ch. 64: 17.4  | 16.4          | ch. 64: 17.4  | 16.4          | ch. 64: 20.5  | 19.5              | ch. 64: 20.4  | 19.4                 | ch. 64: 20.4  | 19.4                  |      |
|                                | 5500 MHz      | 17.8                 | 16.8          | 17.8          | 16.8          | 17.8          | 16.8          | 20.8              | 19.8          | 20.8                 | 19.8          | 20.8                  | 19.8 |
|                                |               | ch. 100: 17.5        | 16.5          |               |               | ch. 100: 20.5 | 19.5          |                   |               |                      |               |                       |      |
|                                |               | ch. 104: 17.4        | 16.4          | ch. 104: 17.5 | 16.5          | ch. 104: 17.5 | 16.5          | ch. 104: 20.4     | 19.4          | ch. 104: 20.5        | 19.5          | ch. 104: 20.5         | 19.5 |
|                                |               | ch. 108: 17.4        | 16.4          | ch. 108: 17.2 | 16.2          | ch. 108: 17.2 | 16.2          | ch. 108: 20.4     | 19.4          | ch. 108: 20.2        | 19.2          | ch. 108: 20.2         | 19.2 |
|                                |               | ch. 112: 17.4        | 16.4          | ch. 112: 17.2 | 16.2          | ch. 112: 17.2 | 16.2          | ch. 112: 20.4     | 19.4          | ch. 112: 20.2        | 19.2          | ch. 112: 20.2         | 19.2 |
|                                |               | ch. 116: 17.4        | 16.4          | ch. 116: 17.2 | 16.2          | ch. 116: 17.2 | 16.2          | ch. 116: 20.4     | 19.4          | ch. 116: 20.2        | 19.2          | ch. 116: 20.2         | 19.2 |
|                                |               | ch. 120: 17.3        | 16.3          | ch. 120: 17.3 | 16.3          | ch. 120: 17.3 | 16.3          | ch. 120: 20.3     | 19.3          | ch. 120: 20.3        | 19.3          | ch. 120: 20.3         | 19.3 |
|                                |               | ch. 124: 17.5        | 16.5          | ch. 124: 17.3 | 16.3          | ch. 124: 17.3 | 16.3          | ch. 124: 20.5     | 19.5          | ch. 124: 20.3        | 19.3          | ch. 124: 20.3         | 19.3 |
|                                |               | ch. 128: 17.5        | 16.5          | ch. 128: 17.3 | 16.3          | ch. 128: 17.3 | 16.3          | ch. 128: 20.5     | 19.5          | ch. 128: 20.3        | 19.3          | ch. 128: 20.3         | 19.3 |
|                                | ch. 132: 17.6 | 16.6                 | ch. 132: 17.4 | 16.4          | ch. 132: 17.4 | 16.4          | ch. 132: 20.6 | 19.6              | ch. 132: 20.4 | 19.4                 | ch. 132: 20.4 | 19.4                  |      |
|                                | ch. 136: 17.6 | 16.6                 | ch. 136: 17.5 | 16.5          | ch. 136: 17.5 | 16.5          | ch. 136: 20.6 | 19.6              | ch. 136: 20.5 | 19.5                 | ch. 136: 20.5 | 19.5                  |      |
|                                | ch. 140: 17.6 | 16.6                 | ch. 140: 17.6 | 16.6          |               |               | ch. 140: 20.6 | 19.6              | ch. 140: 20.6 | 19.6                 | ch. 140: 20.6 | 19.6                  |      |
|                                | ch. 144: 17.7 | 16.7                 | ch. 144: 17.6 | 16.6          | ch. 144: 17.6 | 16.6          | ch. 144: 20.7 | 19.7              | ch. 144: 20.6 | 19.6                 | ch. 144: 20.6 | 19.6                  |      |
|                                | 5800 MHz      | 19.9                 | 18.9          | 19.9          | 18.9          | 19.9          | 18.9          | 22.9              | 21.9          | 22.9                 | 21.9          | 22.9                  | 21.9 |
|                                |               | ch. 149: 17.7        | 16.7          | ch. 149: 17.4 | 16.4          | ch. 149: 17.4 | 16.4          | ch. 149: 20.7     | 19.7          | ch. 149: 20.4        | 19.4          | ch. 149: 20.4         | 19.4 |
|                                |               | ch. 153: 17.6        | 16.6          | ch. 153: 17.4 | 16.4          | ch. 153: 17.4 | 16.4          | ch. 153: 20.6     | 19.6          | ch. 153: 20.4        | 19.4          | ch. 153: 20.4         | 19.4 |
| ch. 161: 17.5                  | 16.5          | ch. 161: 17.3        | 16.3          | ch. 161: 17.3 | 16.3          | ch. 161: 20.5 | 19.5          | ch. 161: 20.3     | 19.3          | ch. 161: 20.3        | 19.3          |                       |      |
| ch. 165: 19.8                  | 18.8          | ch. 165: 19.6        | 18.6          | ch. 165: 19.6 | 18.6          | ch. 165: 22.8 | 21.8          | ch. 165: 22.6     | 21.6          | ch. 165: 22.6        | 21.6          |                       |      |
| 5 GHz<br>WiFi<br>(40MHz<br>BW) | 5200 MHz      |                      |               | 15.8          | 14.8          | 15.8          | 14.8          |                   |               | 18.8                 | 17.8          | 18.8                  | 17.8 |
|                                |               |                      |               | ch. 38: 15.5  | 14.5          | ch. 38: 15.5  | 14.5          |                   |               | ch. 38: 18.5         | 17.5          | ch. 38: 18.5          | 17.5 |
|                                | 5300 MHz      |                      |               | 15.5          | 14.5          | 15.5          | 14.5          |                   |               | 18.5                 | 17.5          | 18.5                  | 17.5 |
|                                |               |                      |               | ch. 62: 15.0  | 14.0          | ch. 62: 15.0  | 14.0          |                   |               | ch. 62: 18.0         | 17.0          | ch. 62: 18.0          | 17.0 |
| 5500 MHz                       |               |                      | 15.8          | 14.8          | 15.8          | 14.8          |               |                   | 18.8          | 17.8                 | 18.8          | 17.8                  |      |
|                                |               |                      | ch. 102: 14.0 | 13.0          | ch. 102: 14.0 | 13.0          |               |                   | ch. 102: 17.0 | 16.0                 | ch. 102: 17.0 | 16.0                  |      |
| 5800 MHz                       |               |                      | 15.8          | 14.8          | 15.8          | 14.8          |               |                   | 18.8          | 17.8                 | 18.8          | 17.8                  |      |
| 5 GHz<br>WiFi<br>(80MHz<br>BW) | 5200 MHz      |                      |               |               |               | 13.8          | 12.8          |                   |               |                      |               | 16.8                  | 15.8 |
|                                | 5300 MHz      |                      |               |               |               | 14.0          | 13.0          |                   |               |                      |               | 17.0                  | 16.0 |
|                                |               |                      |               |               | 14.0          | 13.0          |               |                   |               |                      | 17.0          | 16.0                  |      |
|                                | 5500 MHz      |                      |               |               |               | ch. 106: 13.0 | 12.0          |                   |               |                      |               | ch. 106: 16.0         | 15.0 |
| 5800 MHz                       |               |                      |               |               | ch. 122: 13.8 | 12.8          |               |                   |               |                      | ch. 122: 16.8 | 15.8                  |      |
|                                |               |                      |               |               | 13.6          | 12.6          |               |                   |               |                      | 16.6          | 15.6                  |      |

| Mode / Band  |         | Modulated Average - Single Tx Chain (dBm) |  |
|--------------|---------|-------------------------------------------|--|
| Bluetooth    | Maximum | 11.0                                      |  |
|              | Nominal | 10.0                                      |  |
| Bluetooth LE | Maximum | 4.0                                       |  |
|              | Nominal | 3.0                                       |  |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset | Page 8 of 227                                                                         |                                 |



### 1.4.3 Reduced SISO/MIMO WLAN Output Power

The below tables are applicable in the following conditions:

- Head Conditions
- Simultaneous conditions with 2.4 GHz WLAN and 5 GHz WLAN
- Conditions with EN-DC Active

| Mode                    | Band     | IEEE 802.11 (in dBm) |      |      |      |      |      |                   |      |                   |      |                      |      |
|-------------------------|----------|----------------------|------|------|------|------|------|-------------------|------|-------------------|------|----------------------|------|
|                         |          | SISO                 |      |      |      |      |      | MIMO              |      |                   |      |                      |      |
|                         |          | Antenna 1/2          |      |      |      |      |      |                   |      |                   |      |                      |      |
|                         |          | b                    |      | g    |      | n    |      | b<br>(CDD + STBC) |      | g<br>(CDD + STBC) |      | n<br>(CDD+STBC, SDM) |      |
| Maximum / Nominal Power |          | Max                  | Nom. | Max  | Nom. | Max  | Nom. | Max               | Nom. | Max               | Nom. | Max                  | Nom. |
| 2.4 GHz WIFI            | 2.45 GHz | 16.0                 | 15.0 | 15.0 | 14.0 | 15.0 | 14.0 | 19.0              | 18.0 | 18.0              | 17.0 | 18.0                 | 17.0 |

| Mode                    | Band     | IEEE 802.11 (in dBm) |      |               |      |               |      |                   |      |                      |      |                       |      |
|-------------------------|----------|----------------------|------|---------------|------|---------------|------|-------------------|------|----------------------|------|-----------------------|------|
|                         |          | SISO                 |      |               |      |               |      | MIMO              |      |                      |      |                       |      |
|                         |          | Antenna 1/2          |      |               |      |               |      |                   |      |                      |      |                       |      |
|                         |          | a                    |      | n             |      | ac            |      | a<br>(CDD + STBC) |      | n<br>(CDD+STBC, SDM) |      | ac<br>(CDD+STBC, SDM) |      |
| Maximum / Nominal Power |          | Max                  | Nom. | Max           | Nom. | Max           | Nom. | Max               | Nom. | Max                  | Nom. | Max                   | Nom. |
| 5 GHz WIFI (20MHz BW)   | 5200 MHz | 17.0                 | 16.0 | 17.0          | 16.0 | 17.0          | 16.0 | 20.0              | 19.0 | 20.0                 | 19.0 | 20.0                  | 19.0 |
|                         |          | ch. 36: 15.0         | 14.0 | ch. 36: 15.0  | 14.0 | ch. 36: 15.0  | 14.0 | ch. 36: 18.0      | 17.0 | ch. 36: 18.0         | 17.0 | ch. 36: 18.0          | 17.0 |
|                         |          | ch. 44: 15.0         | 14.0 | ch. 44: 15.0  | 14.0 | ch. 44: 15.0  | 14.0 | ch. 44: 18.0      | 17.0 | ch. 44: 18.0         | 17.0 | ch. 44: 18.0          | 17.0 |
|                         | 5300 MHz | 17.0                 | 16.0 | 17.0          | 16.0 | 17.0          | 16.0 | 20.0              | 19.0 | 20.0                 | 19.0 | 20.0                  | 19.0 |
|                         |          | ch. 52: 15.0         | 14.0 | ch. 52: 15.0  | 14.0 | ch. 52: 15.0  | 14.0 | ch. 52: 18.0      | 17.0 | ch. 52: 18.0         | 17.0 | ch. 52: 18.0          | 17.0 |
|                         |          | ch. 60: 15.0         | 14.0 | ch. 60: 15.0  | 14.0 | ch. 60: 15.0  | 14.0 | ch. 60: 18.0      | 17.0 | ch. 60: 18.0         | 17.0 | ch. 60: 18.0          | 17.0 |
|                         | 5500 MHz | 15.0                 | 14.0 | 15.0          | 14.0 | 15.0          | 14.0 | 18.0              | 17.0 | 18.0                 | 17.0 | 18.0                  | 17.0 |
|                         |          | 17.0                 | 16.0 | 17.0          | 16.0 | 17.0          | 16.0 | 20.0              | 19.0 | 20.0                 | 19.0 | 20.0                  | 19.0 |
|                         |          | ch. 149: 15.0        | 14.0 | ch. 149: 15.0 | 14.0 | ch. 149: 15.0 | 14.0 | ch. 149: 18.0     | 17.0 | ch. 149: 18.0        | 17.0 | ch. 149: 18.0         | 17.0 |
|                         | 5800 MHz | 17.0                 | 16.0 | 17.0          | 16.0 | 17.0          | 16.0 | 20.0              | 19.0 | 20.0                 | 19.0 | 20.0                  | 19.0 |
|                         |          | ch. 153: 15.0        | 14.0 | ch. 153: 15.0 | 14.0 | ch. 153: 15.0 | 14.0 | ch. 153: 18.0     | 17.0 | ch. 153: 18.0        | 17.0 | ch. 153: 18.0         | 17.0 |
|                         |          | ch. 161: 15.0        | 14.0 | ch. 161: 15.0 | 14.0 | ch. 161: 15.0 | 14.0 | ch. 161: 18.0     | 17.0 | ch. 161: 18.0        | 17.0 | ch. 161: 18.0         | 17.0 |
| 5 GHz WIFI (40MHz BW)   | 5200 MHz |                      |      | 15.0          | 14.0 | 15.0          | 14.0 |                   |      | 18.0                 | 17.0 | 18.0                  | 17.0 |
|                         | 5300 MHz |                      |      | 15.0          | 14.0 | 15.0          | 14.0 |                   |      | 18.0                 | 17.0 | 18.0                  | 17.0 |
|                         | 5500 MHz |                      |      | 15.0          | 14.0 | 15.0          | 14.0 |                   |      | 18.0                 | 17.0 | 18.0                  | 17.0 |
|                         | 5800 MHz |                      |      | ch. 102: 14.0 | 13.0 | ch. 102: 14.0 | 13.0 |                   |      | ch. 102: 17.0        | 16.0 | ch. 102: 17.0         | 16.0 |
| 5 GHz WIFI (80MHz BW)   | 5200 MHz |                      |      |               |      | 13.8          | 12.8 |                   |      |                      |      | 16.8                  | 15.8 |
|                         | 5300 MHz |                      |      |               |      | 14.0          | 13.0 |                   |      |                      |      | 17.0                  | 16.0 |
|                         | 5500 MHz |                      |      |               |      | 14.0          | 13.0 |                   |      |                      |      | 17.0                  | 16.0 |
|                         |          |                      |      |               |      | ch. 106: 13.0 | 12.0 |                   |      |                      |      | ch. 106: 16.0         | 15.0 |
|                         | 5800 MHz |                      |      |               |      | ch. 122: 13.8 | 12.8 |                   |      |                      |      | ch. 122: 16.8         | 15.8 |

|                                         |                                                                                                                                                                                                              |                               |                                                                                       |                                 |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  <b>PCTEST</b><br>Proud to be part of  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                                           | DUT Type:<br>Portable Handset | Page 9 of 227                                                                         |                                 |

## 1.5 DUT Antenna Locations

The overall dimensions of this device are > 9 x 5 cm. A diagram showing the location of the device antennas can be found in Appendix E. Since the diagonal dimension of this device is > 160 mm and <200 mm, it is considered a “phablet.”

**Table 1-1**  
**Device Edges/Sides for SAR Testing**

| Mode                    | Back | Front | Top | Bottom | Right | Left |
|-------------------------|------|-------|-----|--------|-------|------|
| EVDO BC10 (§90S)        | Yes  | Yes   | No  | Yes    | Yes   | No   |
| EVDO BC0 (§22H)         | Yes  | Yes   | No  | Yes    | Yes   | No   |
| PCS EVDO                | Yes  | Yes   | No  | Yes    | No    | Yes  |
| GPRS 850                | Yes  | Yes   | No  | Yes    | Yes   | No   |
| GPRS 1900               | Yes  | Yes   | No  | Yes    | No    | Yes  |
| UMTS 850                | Yes  | Yes   | No  | Yes    | Yes   | No   |
| UMTS 1750               | Yes  | Yes   | No  | Yes    | No    | Yes  |
| UMTS 1900               | Yes  | Yes   | No  | Yes    | No    | Yes  |
| LTE Band 71             | Yes  | Yes   | No  | Yes    | Yes   | No   |
| LTE Band 12             | Yes  | Yes   | No  | Yes    | Yes   | No   |
| LTE Band 13             | Yes  | Yes   | No  | Yes    | Yes   | No   |
| LTE Band 26 (Cell)      | Yes  | Yes   | No  | Yes    | Yes   | No   |
| LTE Band 66 (AWS) Ant 2 | Yes  | Yes   | No  | Yes    | No    | Yes  |
| LTE Band 66 (AWS) Ant 3 | Yes  | Yes   | No  | Yes    | Yes   | No   |
| LTE Band 25 (PCS)       | Yes  | Yes   | No  | Yes    | No    | Yes  |
| LTE Band 2 (PCS) Ant 3  | Yes  | Yes   | No  | Yes    | Yes   | No   |
| LTE Band 41             | Yes  | Yes   | No  | Yes    | No    | Yes  |
| NR Band n71             | Yes  | Yes   | No  | Yes    | Yes   | No   |
| NR Band n66 SA          | Yes  | Yes   | No  | Yes    | No    | Yes  |
| NR Band n66 NSA         | Yes  | Yes   | No  | Yes    | Yes   | No   |
| NR Band n25 SA          | Yes  | Yes   | No  | Yes    | No    | Yes  |
| NR Band n25 NSA         | Yes  | Yes   | No  | Yes    | Yes   | No   |
| NR Band n41             | Yes  | Yes   | No  | No     | Yes   | No   |
| 2.4 GHz WLAN Ant 1      | Yes  | Yes   | Yes | No     | No    | Yes  |
| 2.4 GHz WLAN Ant 2      | Yes  | Yes   | Yes | No     | No    | Yes  |
| 5 GHz WLAN Ant 1        | Yes  | Yes   | Yes | No     | No    | Yes  |
| 5 GHz WLAN Ant 2        | Yes  | Yes   | Yes | No     | No    | Yes  |
| Bluetooth               | Yes  | Yes   | Yes | No     | No    | Yes  |

Note: Particular DUT edges were not required to be evaluated for wireless router SAR or phablet SAR if the edges were greater than 2.5 cm from the transmitting antenna according to FCC KDB Publication 941225 D06v02r01 Section III and FCC KDB Publication 648474 D04v01r03. The distances between the transmit antennas and the edges of the device are included in the filing. When wireless router mode is enabled, U-NII-2A, U-NII-2C operations are disabled.

## 1.6 Near Field Communications (NFC) Antenna

This DUT has NFC operations. The NFC antenna is integrated into the device for this model. Therefore, all SAR tests were performed with the device which already incorporates the NFC antenna. A diagram showing the location of the NFC antenna can be found in Appendix E.

|                                                |                                                                                                                                                                                                                      |                                      |                                                                                                 |                                        |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              |  <b>PCTEST</b><br>Proud to be part of  element | <b>SAR EVALUATION REPORT</b>         |  <b>LG</b> | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                            | <b>DUT Type:</b><br>Portable Handset |                                                                                                 | Page 10 of 227                         |

## 1.7 Simultaneous Transmission Capabilities

According to FCC KDB Publication 447498 D01v06, transmitters are considered to be operating simultaneously when there is overlapping transmission, with the exception of transmissions during network hand-offs with maximum hand-off duration less than 30 seconds.

This device contains multiple transmitters that may operate simultaneously, and therefore requires a simultaneous transmission analysis according to FCC KDB Publication 447498 D01v06 4.3.2 procedures.

**Table 1-2  
Simultaneous Transmission Scenarios**

| No. | Capable Transmit Configuration                           | Head             | Body-Worn Accessory | Wireless Router  | Phablet | Notes                                                                                                         |
|-----|----------------------------------------------------------|------------------|---------------------|------------------|---------|---------------------------------------------------------------------------------------------------------------|
| 1   | 1x CDMA voice + 2.4 GHz Wi-Fi                            | Yes              | Yes                 | N/A              | Yes     |                                                                                                               |
| 2   | 1x CDMA voice + 5 GHz Wi-Fi                              | Yes              | Yes                 | N/A              | Yes     |                                                                                                               |
| 3   | 1x CDMA voice + 2.4 GHz Bluetooth                        | Yes <sup>a</sup> | Yes                 | N/A              | Yes     | <sup>a</sup> Bluetooth Tethering is considered                                                                |
| 4   | 1x CDMA voice + 2.4 GHz Wi-Fi MIMO                       | Yes              | Yes                 | N/A              | Yes     |                                                                                                               |
| 5   | 1x CDMA voice + 5 GHz Wi-Fi MIMO                         | Yes              | Yes                 | N/A              | Yes     |                                                                                                               |
| 6   | 1x CDMA voice + 2.4 GHz Wi-Fi Ant 1 + 5 GHz Wi-Fi Ant 2  | Yes              | Yes                 | N/A              | Yes     |                                                                                                               |
| 7   | 1x CDMA voice + 2.4 GHz Bluetooth + 5 GHz Wi-Fi          | Yes <sup>a</sup> | Yes                 | N/A              | Yes     | <sup>a</sup> Bluetooth Tethering is considered                                                                |
| 8   | 1x CDMA voice + 2.4 GHz Wi-Fi Ant 2 + 2.4 GHz Bluetooth  | Yes              | Yes                 | N/A              | Yes     |                                                                                                               |
| 9   | 1x CDMA voice + 2.4 GHz Bluetooth + 5 GHz Wi-Fi MIMO     | Yes <sup>a</sup> | Yes                 | N/A              | Yes     | <sup>a</sup> Bluetooth Tethering is considered                                                                |
| 10  | GSM voice + 2.4 GHz Wi-Fi                                | Yes              | Yes                 | N/A              | Yes     |                                                                                                               |
| 11  | GSM voice + 5 GHz Wi-Fi                                  | Yes              | Yes                 | N/A              | Yes     |                                                                                                               |
| 12  | GSM voice + 2.4 GHz Bluetooth                            | Yes <sup>a</sup> | Yes                 | N/A              | Yes     | <sup>a</sup> Bluetooth Tethering is considered                                                                |
| 13  | GSM voice + 2.4 GHz Wi-Fi MIMO                           | Yes              | Yes                 | N/A              | Yes     |                                                                                                               |
| 14  | GSM voice + 5 GHz Wi-Fi MIMO                             | Yes              | Yes                 | N/A              | Yes     |                                                                                                               |
| 15  | GSM voice + 2.4 GHz Wi-Fi Ant 1 + 5 GHz Wi-Fi Ant 2      | Yes              | Yes                 | N/A              | Yes     |                                                                                                               |
| 16  | GSM voice + 2.4 GHz Bluetooth + 5 GHz Wi-Fi              | Yes <sup>a</sup> | Yes                 | N/A              | Yes     | <sup>a</sup> Bluetooth Tethering is considered                                                                |
| 17  | GSM voice + 2.4 GHz Wi-Fi Ant 2 + 2.4 GHz Bluetooth      | Yes <sup>a</sup> | Yes                 | N/A              | Yes     | <sup>a</sup> Bluetooth Tethering is considered                                                                |
| 18  | GSM voice + 2.4 GHz Bluetooth + 5 GHz Wi-Fi MIMO         | Yes              | Yes                 | N/A              | Yes     | <sup>a</sup> Bluetooth Tethering is considered                                                                |
| 19  | UMTS + 2.4 GHz Wi-Fi                                     | Yes              | Yes                 | Yes              | Yes     |                                                                                                               |
| 20  | UMTS + 5 GHz Wi-Fi                                       | Yes              | Yes                 | Yes              | Yes     |                                                                                                               |
| 21  | UMTS + 2.4 GHz Bluetooth                                 | Yes <sup>a</sup> | Yes                 | Yes <sup>a</sup> | Yes     | <sup>a</sup> Bluetooth Tethering is considered                                                                |
| 22  | UMTS + 2.4 GHz Wi-Fi MIMO                                | Yes              | Yes                 | Yes              | Yes     |                                                                                                               |
| 23  | UMTS + 5 GHz Wi-Fi MIMO                                  | Yes              | Yes                 | Yes              | Yes     |                                                                                                               |
| 24  | UMTS + 2.4 GHz Wi-Fi Ant 1 + 5 GHz Wi-Fi Ant 2           | Yes              | Yes                 | Yes              | Yes     |                                                                                                               |
| 25  | UMTS + 2.4 GHz Bluetooth + 5 GHz Wi-Fi                   | Yes <sup>a</sup> | Yes                 | Yes <sup>a</sup> | Yes     | <sup>a</sup> Bluetooth Tethering is considered                                                                |
| 26  | UMTS + 2.4 GHz Wi-Fi Ant 2 + 2.4 GHz Bluetooth           | Yes              | Yes                 | Yes              | Yes     |                                                                                                               |
| 27  | UMTS + 2.4 GHz Bluetooth + 5 GHz Wi-Fi MIMO              | Yes <sup>a</sup> | Yes                 | Yes <sup>a</sup> | Yes     | <sup>a</sup> Bluetooth Tethering is considered                                                                |
| 28  | LTE + 2.4 GHz Wi-Fi                                      | Yes              | Yes                 | Yes              | Yes     |                                                                                                               |
| 29  | LTE + 5 GHz Wi-Fi                                        | Yes              | Yes                 | Yes              | Yes     |                                                                                                               |
| 30  | LTE + 2.4 GHz Bluetooth                                  | Yes <sup>a</sup> | Yes                 | Yes <sup>a</sup> | Yes     | <sup>a</sup> Bluetooth Tethering is considered                                                                |
| 31  | LTE + 2.4 GHz Wi-Fi MIMO                                 | Yes              | Yes                 | Yes              | Yes     |                                                                                                               |
| 32  | LTE + 5 GHz Wi-Fi MIMO                                   | Yes              | Yes                 | Yes              | Yes     |                                                                                                               |
| 33  | LTE + 2.4 GHz Wi-Fi Ant 1 + 5 GHz Wi-Fi Ant 2            | Yes              | Yes                 | Yes              | Yes     |                                                                                                               |
| 34  | LTE + 2.4 GHz Bluetooth + 5 GHz Wi-Fi                    | Yes <sup>a</sup> | Yes                 | Yes <sup>a</sup> | Yes     | <sup>a</sup> Bluetooth Tethering is considered                                                                |
| 35  | LTE + 2.4 GHz Wi-Fi Ant 2 + 2.4 GHz Bluetooth            | Yes              | Yes                 | Yes              | Yes     |                                                                                                               |
| 36  | LTE + 2.4 GHz Bluetooth + 5 GHz Wi-Fi MIMO               | Yes <sup>a</sup> | Yes                 | Yes <sup>a</sup> | Yes     | <sup>a</sup> Bluetooth Tethering is considered                                                                |
| 37  | CDMA/EVDO data + 2.4 GHz Wi-Fi                           | Yes <sup>a</sup> | Yes <sup>a</sup>    | Yes              | Yes     | <sup>a</sup> Pre-installed VOIP applications are considered                                                   |
| 38  | CDMA/EVDO data + 5 GHz Wi-Fi                             | Yes <sup>a</sup> | Yes <sup>a</sup>    | Yes              | Yes     | <sup>a</sup> Pre-installed VOIP applications are considered                                                   |
| 39  | CDMA/EVDO data + 2.4 GHz Bluetooth                       | Yes <sup>a</sup> | Yes <sup>a</sup>    | Yes <sup>a</sup> | Yes     | <sup>a</sup> Pre-installed VOIP applications are considered<br><sup>a</sup> Bluetooth Tethering is considered |
| 40  | CDMA/EVDO data + 2.4 GHz Wi-Fi MIMO                      | Yes <sup>a</sup> | Yes <sup>a</sup>    | Yes              | Yes     | <sup>a</sup> Pre-installed VOIP applications are considered                                                   |
| 41  | CDMA/EVDO data + 5 GHz Wi-Fi MIMO                        | Yes <sup>a</sup> | Yes <sup>a</sup>    | Yes              | Yes     | <sup>a</sup> Pre-installed VOIP applications are considered                                                   |
| 42  | CDMA/EVDO data + 2.4 GHz Wi-Fi Ant 1 + 5 GHz Wi-Fi Ant 2 | Yes <sup>a</sup> | Yes <sup>a</sup>    | Yes              | Yes     | <sup>a</sup> Pre-installed VOIP applications are considered                                                   |
| 43  | CDMA/EVDO data + 2.4 GHz Bluetooth + 5 GHz Wi-Fi         | Yes <sup>a</sup> | Yes <sup>a</sup>    | Yes <sup>a</sup> | Yes     | <sup>a</sup> Pre-installed VOIP applications are considered<br><sup>a</sup> Bluetooth Tethering is considered |
| 44  | CDMA/EVDO data + 2.4 GHz Wi-Fi Ant 2 + 2.4 GHz Bluetooth | Yes <sup>a</sup> | Yes <sup>a</sup>    | Yes              | Yes     | <sup>a</sup> Pre-installed VOIP applications are considered                                                   |
| 45  | CDMA/EVDO data + 2.4 GHz Bluetooth + 5 GHz Wi-Fi MIMO    | Yes <sup>a</sup> | Yes <sup>a</sup>    | Yes <sup>a</sup> | Yes     | <sup>a</sup> Pre-installed VOIP applications are considered<br><sup>a</sup> Bluetooth Tethering is considered |
| 46  | GPRS/EDGE + 2.4 GHz Wi-Fi                                | Yes <sup>a</sup> | Yes <sup>a</sup>    | Yes              | Yes     | <sup>a</sup> Pre-installed VOIP applications are considered                                                   |
| 47  | GPRS/EDGE + 5 GHz Wi-Fi                                  | Yes <sup>a</sup> | Yes <sup>a</sup>    | Yes              | Yes     | <sup>a</sup> Pre-installed VOIP applications are considered                                                   |
| 48  | GPRS/EDGE + 2.4 GHz Bluetooth                            | Yes <sup>a</sup> | Yes <sup>a</sup>    | Yes <sup>a</sup> | Yes     | <sup>a</sup> Pre-installed VOIP applications are considered<br><sup>a</sup> Bluetooth Tethering is considered |
| 49  | GPRS/EDGE + 2.4 GHz Wi-Fi MIMO                           | Yes <sup>a</sup> | Yes <sup>a</sup>    | Yes              | Yes     | <sup>a</sup> Pre-installed VOIP applications are considered                                                   |
| 50  | GPRS/EDGE + 5 GHz Wi-Fi MIMO                             | Yes <sup>a</sup> | Yes <sup>a</sup>    | Yes              | Yes     | <sup>a</sup> Pre-installed VOIP applications are considered                                                   |
| 51  | GPRS/EDGE + 2.4 GHz Wi-Fi Ant 1 + 5 GHz Wi-Fi Ant 2      | Yes <sup>a</sup> | Yes <sup>a</sup>    | Yes              | Yes     | <sup>a</sup> Pre-installed VOIP applications are considered                                                   |
| 52  | GPRS/EDGE + 2.4 GHz Bluetooth + 5 GHz Wi-Fi              | Yes <sup>a</sup> | Yes <sup>a</sup>    | Yes <sup>a</sup> | Yes     | <sup>a</sup> Pre-installed VOIP applications are considered<br><sup>a</sup> Bluetooth Tethering is considered |
| 53  | GPRS/EDGE + 2.4 GHz Wi-Fi Ant 2 + 2.4 GHz Bluetooth      | Yes <sup>a</sup> | Yes <sup>a</sup>    | Yes              | Yes     | <sup>a</sup> Pre-installed VOIP applications are considered                                                   |
| 54  | GPRS/EDGE + 2.4 GHz Bluetooth + 5 GHz Wi-Fi MIMO         | Yes <sup>a</sup> | Yes <sup>a</sup>    | Yes <sup>a</sup> | Yes     | <sup>a</sup> Pre-installed VOIP applications are considered<br><sup>a</sup> Bluetooth Tethering is considered |
| 55  | 5G + LTE                                                 | Yes              | Yes                 | Yes              | Yes     |                                                                                                               |
| 56  | 5G + LTE + 2.4 GHz Wi-Fi                                 | Yes              | Yes                 | Yes              | Yes     |                                                                                                               |
| 57  | 5G + LTE + 5 GHz Wi-Fi                                   | Yes              | Yes                 | Yes              | Yes     |                                                                                                               |
| 58  | 5G + LTE + 2.4 GHz Bluetooth                             | Yes <sup>a</sup> | Yes                 | Yes <sup>a</sup> | Yes     | <sup>a</sup> Bluetooth Tethering is considered                                                                |
| 59  | 5G + LTE + 2.4 GHz Wi-Fi MIMO                            | Yes              | Yes                 | Yes              | Yes     |                                                                                                               |
| 60  | 5G + LTE + 5 GHz Wi-Fi MIMO                              | Yes              | Yes                 | Yes              | Yes     |                                                                                                               |
| 61  | 5G + LTE + 2.4 GHz Wi-Fi Ant 1 + 5 GHz Wi-Fi Ant 2       | Yes              | Yes                 | Yes              | Yes     |                                                                                                               |
| 62  | 5G + LTE + 2.4 GHz Bluetooth + 5 GHz Wi-Fi               | Yes <sup>a</sup> | Yes                 | Yes <sup>a</sup> | Yes     | <sup>a</sup> Bluetooth Tethering is considered                                                                |
| 63  | 5G + LTE + 2.4 GHz Wi-Fi Ant 2 + 2.4 GHz Bluetooth       | Yes <sup>a</sup> | Yes                 | Yes <sup>a</sup> | Yes     | <sup>a</sup> Bluetooth Tethering is considered                                                                |
| 64  | 5G + LTE + 2.4 GHz Bluetooth + 5 GHz Wi-Fi MIMO          | Yes <sup>a</sup> | Yes                 | Yes <sup>a</sup> | Yes     | <sup>a</sup> Bluetooth Tethering is considered                                                                |
| 65  | 5G + 2.4 GHz Wi-Fi                                       | Yes              | Yes                 | Yes              | Yes     |                                                                                                               |
| 66  | 5G + 5 GHz Wi-Fi                                         | Yes              | Yes                 | Yes              | Yes     |                                                                                                               |
| 67  | 5G + 2.4 GHz Bluetooth                                   | Yes <sup>a</sup> | Yes                 | Yes <sup>a</sup> | Yes     | <sup>a</sup> Bluetooth Tethering is considered                                                                |
| 68  | 5G + 2.4 GHz Wi-Fi MIMO                                  | Yes              | Yes                 | Yes              | Yes     |                                                                                                               |
| 69  | 5G + 5 GHz Wi-Fi MIMO                                    | Yes              | Yes                 | Yes              | Yes     |                                                                                                               |
| 70  | 5G + 2.4 GHz Wi-Fi Ant 1 + 5 GHz Wi-Fi Ant 2             | Yes              | Yes                 | Yes              | Yes     |                                                                                                               |
| 71  | 5G + 2.4 GHz Bluetooth + 5 GHz Wi-Fi                     | Yes <sup>a</sup> | Yes                 | Yes <sup>a</sup> | Yes     | <sup>a</sup> Bluetooth Tethering is considered                                                                |
| 72  | 5G + 2.4 GHz Wi-Fi Ant 2 + 2.4 GHz Bluetooth             | Yes              | Yes                 | Yes              | Yes     |                                                                                                               |
| 73  | 5G + 2.4 GHz Bluetooth + 5 GHz Wi-Fi MIMO                | Yes <sup>a</sup> | Yes                 | Yes <sup>a</sup> | Yes     | <sup>a</sup> Bluetooth Tethering is considered                                                                |

- 2.4 GHz WLAN antenna 1 and 2.4 GHz Bluetooth share the same antenna path and cannot transmit simultaneously.

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
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2. When the user utilizes multiple services in UMTS 3G mode it uses multi-Radio Access Bearer or multi-RAB. The power control is based on a physical control channel (Dedicated Physical Control Channel [DPCCH]) and power control will be adjusted to meet the needs of both services. Therefore, the UMTS+WLAN scenario also represents the UMTS Voice/DATA + WLAN Hotspot scenario.
3. Per the manufacturer, WIFI Direct is expected to be used in conjunction with a held-to-ear or body-worn accessory voice call. Therefore, there are no simultaneous transmission scenarios involving WIFI direct beyond that listed in the above table.
4. 5 GHz Wireless Router is only supported for the U-NII-1 and U-NII-3 by S/W, therefore U-NII-2A, and U-NII-2C were not evaluated for wireless router conditions.
5. This device supports 2x2 MIMO Tx for WLAN 802.11a/g/n/ac. 802.11a/g/n/ac supports CDD and STBC and 802.11n/ac additionally supports SDM. Each WLAN antenna can transmit independently or together when operating with MIMO.
6. This device supports VOLTE.
7. This device supports VOWIFI.
8. This device supports Bluetooth Tethering.
9. LTE + 5G NR FR1 Scenarios are limited to LTE Anchor Bands, B12/B2/B66
10. LTE operations in the table above include intra-band and inter-band ULCA operations with 2 carriers transmitting in the uplink.

## 1.8 Miscellaneous SAR Test Considerations

### (A) WIFI/BT

Since U-NII-1 and U-NII-2A bands have the same maximum output power and the highest reported SAR for U-NII-2A is less than 1.2 W/kg, head and body-worn SAR is not required for U-NII-1 band according to FCC KDB Publication 248227 D01v02r02.

Since Wireless Router operations are not allowed by the chipset firmware using U-NII-2A and U-NII-2C WIFI, only 2.4 GHz, U-NII-1, and U-NII-3 WIFI Hotspot SAR tests and combinations are considered for SAR with respect to Wireless Router configurations according to FCC KDB 941225 D06v02r01.

Per FCC KDB Publication 648474 D04v01r03, this device is considered a "phablet" since the diagonal dimension is greater than 160mm and less than 200mm. Phablet SAR tests are required when wireless router mode does not apply or if wireless router 1g SAR > 1.2 W/kg. Because wireless router operations are not supported for U-NII-2A & U-NII-2C WLAN, phablet SAR tests were performed. Phablet SAR was not evaluated for 2.4 GHz WLAN, Bluetooth, U-NII-1, and U-NII-3 WLAN operations since wireless router 1g SAR was < 1.2 W/kg.

This device supports IEEE 802.11ac with the following features:

- a) Up to 80 MHz Bandwidth only for 5GHz
- b) Up to 20 MHz Bandwidth only for 2.4 GHz
- c) No aggregate channel configurations
- d) 2 Tx antenna output
- e) Up to 1024 QAM is supported
- f) TDWR and Band gap channels are supported
- g) MU-MIMO UL Operations are not supported

|                                         |                                                                                                                                                                                                              |                               |                                                                                       |                                 |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
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## (B) Licensed Transmitter(s)

GSM/GPRS/EDGE DTM is not supported for US bands. Therefore, the GSM Voice modes in this report do not transmit simultaneously with GPRS/EDGE Data.

This device is only capable of QPSK HSUPA in the uplink. Therefore, no additional SAR tests are required beyond that described for devices with HSUPA in KDB 941225 D01v03r01.

LTE SAR for the higher modulations and lower bandwidths were not tested since the maximum average output power of all required channels and configurations was not more than 0.5 dB higher than the highest bandwidth; and the reported LTE SAR for the highest bandwidth was less than 1.45 W/kg for all configurations according to FCC KDB 941225 D05v02r04.

This device supports LTE Carrier Aggregation (CA) in the downlink. All uplink communications are identical to Release 8 specifications. Per FCC KDB Publication 941225 D05A v01r02, SAR for LTE CA operations was not needed since the maximum average output power in LTE CA mode was not >0.25 dB higher than the maximum output power when downlink carrier aggregation was inactive. The downlink carrier aggregation exclusion analysis can be found in Appendix F of the original certification report number 1M2005180086-01-R2.ZNF.

Per FCC KDB Publication 648474 D04v01r03, this device is considered a "phablet" since the diagonal dimension is greater than 160mm and less than 200mm. Therefore, phablet SAR tests are required when wireless router mode does not apply or if wireless router 1g SAR > 1.2 W/kg. Additional SAR tests for phablet SAR were evaluated per KDB 616217 Section 6 (See Section 6.9 for more information).

This device supports LTE capabilities with overlapping transmission frequency ranges. When the supported frequency range of an LTE Band falls completely within an LTE band with a larger transmission frequency range, both LTE bands have the same target power (or the band with the larger transmission frequency range has a higher target power), and both LTE bands share the same transmission path and signal characteristics, SAR was only assessed for the band with the larger transmission frequency range.

This device supports intra-band LTE Carrier Aggregation (CA) for LTE Band 41 with two component carriers in the uplink. SAR Measurements and conducted powers were evaluated per 2017 Fall TCB Workshop Notes.

This device supports uplink inter-band LTE Carrier Aggregation (CA) for LTE Bands 12, 2, 66 with two component carriers in the uplink. For 12A-66A and 2A-12A uplink conditions, LTE Band 2 and LTE Band 66 operate using Antenna 3. SAR tests were performed separately for antenna 3 for LTE Band 2 and LTE B66.

This device supports downlink 4x4 MIMO operations for some LTE Bands. Per May 2017 TCB Workshop Notes, SAR for 4x4 DL MIMO was not needed since the maximum average output power in 4x4 DL MIMO mode was not more than 0.25 dB higher than the maximum output power with 4x4 DL MIMO inactive. Additionally, SAR for 4x4 MIMO Downlink Carrier Aggregation was not needed since the maximum average output power in 4x4 MIMO Downlink Carrier Aggregation mode was not more than 0.25 dB higher than the maximum output power with 4x4 MIMO Downlink and downlink carrier aggregation inactive.

NR implementation of n5, n66, n2 in EN-DC mode operates with LTE B2/B12/B66 acting as the anchor bands. Per FCC Guidance, SAR tests were performed separately for NR Bands and LTE Anchor Bands. Please see Section 11 for more details.

This device supports 64QAM on the uplink and 256QAM on the downlink for LTE Operations. Conducted powers for 64QAM uplink configurations were measured per Section 5.1 of FCC KDB Publication 941225 D05v02r05. SAR was not required for 64QAM since the highest maximum output power for 64QAM is  $\leq \frac{1}{2}$  dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is  $\leq 1.45$ W/kg, per Section 5.2.4 of FCC KDB Publication 941225 D05v02r05.

|                                                |                                                                                                                                                                                                              |                                      |                                                                                                 |                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------------|
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## 1.9 Guidance Applied

- IEEE 1528-2013
- FCC KDB Publication 941225 D01v03r01, D05v02r04, D05Av01r02, D06v02r01 (2G/3G/4G and Hotspot)
- FCC KDB Publication 248227 D01v02r02 (SAR Considerations for 802.11 Devices)
- FCC KDB Publication 447498 D01v06 (General SAR Guidance)
- FCC KDB Publication 865664 D01v01r04, D02v01r02 (SAR Measurements up to 6 GHz)
- FCC KDB Publication 648474 D04v01r03 (Phablet Procedures)
- FCC KDB Publication 616217 D04v01r02 (Proximity Sensor)
- October 2013 TCB Workshop Notes (GPRS Testing Considerations)
- May 2017 TCB Workshop Notes (LTE 4x4 Downlink MIMO)
- April 2018 TCB Workshop Notes (LTE Carrier Aggregation)

## 1.10 Device Serial Numbers

Several samples with identical hardware were used to support SAR testing. The manufacturer has confirmed that the device(s) tested have the same physical, mechanical and thermal characteristics and are within operational tolerances expected for production units. The serial numbers used for each test are indicated alongside the results in Section 11.

|                                         |                                                                                                                                                                                                              |                               |                                                                                                 |                                 |
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| LTE Information                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                 |                |              |
|-------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------|----------------|--------------|
| Form Factor                                                                                                       | Portable Handset                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                |                 |                |              |
| Frequency Range of each LTE transmission band                                                                     | LTE Band 71 (665.5 - 695.5 MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                 |                |              |
|                                                                                                                   | LTE Band 12 (699.7 - 715.3 MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                 |                |              |
|                                                                                                                   | LTE Band 17 (706.5 - 713.5 MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                 |                |              |
|                                                                                                                   | LTE Band 13 (779.5 - 784.5 MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                 |                |              |
|                                                                                                                   | LTE Band 26 (Cell) (814.7 - 848.3 MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                 |                |              |
|                                                                                                                   | LTE Band 5 (Cell) (824.7 - 848.3 MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |                 |                |              |
|                                                                                                                   | LTE Band 66 (AWS) (1710.7 - 1779.3 MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |                 |                |              |
|                                                                                                                   | LTE Band 4 (AWS) (1710.7 - 1754.3 MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                 |                |              |
|                                                                                                                   | LTE Band 25 (PCS) (1850.7 - 1914.3 MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |                 |                |              |
|                                                                                                                   | LTE Band 2 (PCS) (1850.7 - 1909.3 MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                 |                |              |
| Channel Bandwidths                                                                                                | LTE Band 41 (2498.5 - 2687.5 MHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                |                 |                |              |
|                                                                                                                   | LTE Band 71: 5 MHz, 10 MHz, 15 MHz, 20 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                            |                |                 |                |              |
|                                                                                                                   | LTE Band 12: 1.4 MHz, 3 MHz, 5 MHz, 10 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                            |                |                 |                |              |
|                                                                                                                   | LTE Band 17: 5 MHz, 10 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                |                 |                |              |
|                                                                                                                   | LTE Band 13: 5 MHz, 10 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                |                 |                |              |
|                                                                                                                   | LTE Band 26 (Cell): 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz                                                                                                                                                                                                                                                                                                                                                                                                                             |                |                 |                |              |
|                                                                                                                   | LTE Band 5 (Cell): 1.4 MHz, 3 MHz, 5 MHz, 10 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                      |                |                 |                |              |
|                                                                                                                   | LTE Band 66 (AWS): 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz                                                                                                                                                                                                                                                                                                                                                                                                                      |                |                 |                |              |
|                                                                                                                   | LTE Band 4 (AWS): 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                 |                |              |
|                                                                                                                   | LTE Band 25 (PCS): 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz                                                                                                                                                                                                                                                                                                                                                                                                                      |                |                 |                |              |
| Channel Numbers and Frequencies (MHz)                                                                             | LTE Band 41: 5 MHz, 10 MHz, 15 MHz, 20 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                            |                |                 |                |              |
|                                                                                                                   | Low                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Low-Mid        | Mid             | Mid-High       | High         |
| LTE Band 71: 5 MHz                                                                                                | 665.5 (133147)                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 680.5 (133297) | 695.5 (133447)  |                |              |
| LTE Band 71: 10 MHz                                                                                               | 668 (133172)                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 680.5 (133297) | 693 (133422)    |                |              |
| LTE Band 71: 15 MHz                                                                                               | 670.5 (133197)                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 680.5 (133297) | 690.5 (133397)  |                |              |
| LTE Band 71: 20 MHz                                                                                               | 673 (133222)                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 680.5 (133297) | 688 (133372)    |                |              |
| LTE Band 12: 1.4 MHz                                                                                              | 699.7 (23017)                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 707.5 (23095)  | 715.3 (23173)   |                |              |
| LTE Band 12: 3 MHz                                                                                                | 700.5 (23025)                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 707.5 (23095)  | 714.5 (23165)   |                |              |
| LTE Band 12: 5 MHz                                                                                                | 701.5 (23035)                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 707.5 (23095)  | 713.5 (23155)   |                |              |
| LTE Band 12: 10 MHz                                                                                               | 704 (23060)                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 707.5 (23095)  | 711 (23130)     |                |              |
| LTE Band 17: 5 MHz                                                                                                | 706.5 (23755)                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 710 (23790)    | 713.5 (23825)   |                |              |
| LTE Band 17: 10 MHz                                                                                               | 709 (23780)                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 710 (23790)    | 711 (23800)     |                |              |
| LTE Band 13: 5 MHz                                                                                                | 779.5 (23205)                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 782 (23230)    | 784.5 (23255)   |                |              |
| LTE Band 13: 10 MHz                                                                                               | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 782 (23230)    | N/A             |                |              |
| LTE Band 26 (Cell): 1.4 MHz                                                                                       | 814.7 (26697)                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 831.5 (26865)  | 848.3 (27033)   |                |              |
| LTE Band 26 (Cell): 3 MHz                                                                                         | 815.5 (26705)                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 831.5 (26865)  | 847.5 (27025)   |                |              |
| LTE Band 26 (Cell): 5 MHz                                                                                         | 816.5 (26715)                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 831.5 (26865)  | 846.5 (27015)   |                |              |
| LTE Band 26 (Cell): 10 MHz                                                                                        | 819 (26740)                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 831.5 (26865)  | 844 (26990)     |                |              |
| LTE Band 26 (Cell): 15 MHz                                                                                        | 821.5 (26765)                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 831.5 (26865)  | 841.5 (26965)   |                |              |
| LTE Band 5 (Cell): 1.4 MHz                                                                                        | 824.7 (20407)                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 836.5 (20525)  | 848.3 (20643)   |                |              |
| LTE Band 5 (Cell): 3 MHz                                                                                          | 825.5 (20415)                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 836.5 (20525)  | 847.5 (20635)   |                |              |
| LTE Band 5 (Cell): 5 MHz                                                                                          | 826.5 (20425)                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 836.5 (20525)  | 846.5 (20625)   |                |              |
| LTE Band 5 (Cell): 10 MHz                                                                                         | 829 (20450)                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 836.5 (20525)  | 844 (20600)     |                |              |
| LTE Band 66 (AWS): 1.4 MHz                                                                                        | 1710.7 (131979)                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1745 (132322)  | 1779.3 (132665) |                |              |
| LTE Band 66 (AWS): 3 MHz                                                                                          | 1711.5 (131987)                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1745 (132322)  | 1778.5 (132657) |                |              |
| LTE Band 66 (AWS): 5 MHz                                                                                          | 1712.5 (131997)                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1745 (132322)  | 1777.5 (132647) |                |              |
| LTE Band 66 (AWS): 10 MHz                                                                                         | 1715 (132022)                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1745 (132322)  | 1775 (132622)   |                |              |
| LTE Band 66 (AWS): 15 MHz                                                                                         | 1717.5 (132047)                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1745 (132322)  | 1772.5 (132597) |                |              |
| LTE Band 66 (AWS): 20 MHz                                                                                         | 1720 (132072)                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1745 (132322)  | 1770 (132572)   |                |              |
| LTE Band 4 (AWS): 1.4 MHz                                                                                         | 1710.7 (19957)                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1732.5 (20175) | 1754.3 (20393)  |                |              |
| LTE Band 4 (AWS): 3 MHz                                                                                           | 1711.5 (19965)                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1732.5 (20175) | 1753.5 (20385)  |                |              |
| LTE Band 4 (AWS): 5 MHz                                                                                           | 1712.5 (19975)                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1732.5 (20175) | 1752.5 (20375)  |                |              |
| LTE Band 4 (AWS): 10 MHz                                                                                          | 1715 (20000)                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1732.5 (20175) | 1750 (20350)    |                |              |
| LTE Band 4 (AWS): 15 MHz                                                                                          | 1717.5 (20025)                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1732.5 (20175) | 1747.5 (20325)  |                |              |
| LTE Band 4 (AWS): 20 MHz                                                                                          | 1720 (20050)                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1732.5 (20175) | 1745 (20300)    |                |              |
| LTE Band 25 (PCS): 1.4 MHz                                                                                        | 1850.7 (26047)                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1882.5 (26365) | 1914.3 (26683)  |                |              |
| LTE Band 25 (PCS): 3 MHz                                                                                          | 1851.5 (26055)                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1882.5 (26365) | 1913.5 (26675)  |                |              |
| LTE Band 25 (PCS): 5 MHz                                                                                          | 1852.5 (26065)                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1882.5 (26365) | 1912.5 (26665)  |                |              |
| LTE Band 25 (PCS): 10 MHz                                                                                         | 1855 (26090)                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1882.5 (26365) | 1910 (26640)    |                |              |
| LTE Band 25 (PCS): 15 MHz                                                                                         | 1857.5 (26115)                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1882.5 (26365) | 1907.5 (26615)  |                |              |
| LTE Band 25 (PCS): 20 MHz                                                                                         | 1860 (26140)                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1882.5 (26365) | 1905 (26590)    |                |              |
| LTE Band 2 (PCS): 1.4 MHz                                                                                         | 1850.7 (18607)                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1880 (18900)   | 1909.3 (19193)  |                |              |
| LTE Band 2 (PCS): 3 MHz                                                                                           | 1851.5 (18615)                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1880 (18900)   | 1908.5 (19185)  |                |              |
| LTE Band 2 (PCS): 5 MHz                                                                                           | 1852.5 (18625)                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1880 (18900)   | 1907.5 (19175)  |                |              |
| LTE Band 2 (PCS): 10 MHz                                                                                          | 1855 (18650)                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1880 (18900)   | 1905 (19150)    |                |              |
| LTE Band 2 (PCS): 15 MHz                                                                                          | 1857.5 (18675)                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1880 (18900)   | 1902.5 (19125)  |                |              |
| LTE Band 2 (PCS): 20 MHz                                                                                          | 1860 (18700)                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1880 (18900)   | 1900 (19100)    |                |              |
| LTE Band 41: 5 MHz                                                                                                | 2506 (39750)                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2549.5 (40185) | 2593 (40620)    | 2636.5 (41055) | 2680 (41490) |
| LTE Band 41: 10 MHz                                                                                               | 2506 (39750)                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2549.5 (40185) | 2593 (40620)    | 2636.5 (41055) | 2680 (41490) |
| LTE Band 41: 15 MHz                                                                                               | 2506 (39750)                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2549.5 (40185) | 2593 (40620)    | 2636.5 (41055) | 2680 (41490) |
| LTE Band 41: 20 MHz                                                                                               | 2506 (39750)                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2549.5 (40185) | 2593 (40620)    | 2636.5 (41055) | 2680 (41490) |
| UE Category                                                                                                       | DL UE Cat 18, UL UE Cat 13                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                |                 |                |              |
| Modulations Supported in UL                                                                                       | QPSK, 16QAM, 64QAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                |                 |                |              |
| LTE MPR Permanently implemented per 3GPP TS 36.101 section 6.2.3-6.2.5? (manufacturer attestation to be provided) | YES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                 |                |              |
| A-MPR (Additional MPR) disabled for SAR Testing?                                                                  | YES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                 |                |              |
| LTE Carrier Aggregation Possible Combinations                                                                     | The technical description includes all the possible carrier aggregation combinations                                                                                                                                                                                                                                                                                                                                                                                                  |                |                 |                |              |
| LTE Additional Information                                                                                        | This device does not support full CA features on 3GPP Release 15. It supports carrier aggregation, downlink MIMO features as shown in Section 9 and Appendix F. All other uplink communications are identical to the Release 8 specifications. Uplink communications are done on the PCC unless otherwise specified. The following LTE Release 15 Features are not supported: WiFi Offloading, Relay, HetNet, Enhanced eICIC, MDM, eMBMS, Cross-Carrier Scheduling, Enhanced SC-FDMA. |                |                 |                |              |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset | Page 15 of 227                                                                        |                                 |



| NR Information                                   |                                                                                              |                  |                  |                  |                  |
|--------------------------------------------------|----------------------------------------------------------------------------------------------|------------------|------------------|------------------|------------------|
| Form Factor                                      | Portable Handset                                                                             |                  |                  |                  |                  |
| Frequency Range of each LTE transmission band    | NR Band n71 (665.5 - 695.5 MHz)                                                              |                  |                  |                  |                  |
|                                                  | NR Band n66 (AWS) (1712.5 - 1777.5 MHz)                                                      |                  |                  |                  |                  |
|                                                  | NR Band n25 (PCS) (1852.5 - 1912.5 MHz)                                                      |                  |                  |                  |                  |
|                                                  | NR Band n41 (2501.01 - 2685.00)                                                              |                  |                  |                  |                  |
| Channel Bandwidths                               | NR Band n71: 5 MHz, 10 MHz, 15 MHz, 20 MHz                                                   |                  |                  |                  |                  |
|                                                  | NR Band n66 (AWS): 5 MHz, 10 MHz, 15 MHz, 20 MHz, 40 MHz                                     |                  |                  |                  |                  |
|                                                  | NR Band n25 (PCS): 5 MHz, 10 MHz, 15 MHz, 20 MHz, 25 MHz, 30 MHz, 40 MHz                     |                  |                  |                  |                  |
|                                                  | NR Band n41: 10 MHz, 15 MHz, 20 MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 80 MHz, 90 MHz, 100 MHz |                  |                  |                  |                  |
| Channel Numbers and Frequencies (MHz)            | Low                                                                                          | Low-Mid          | Mid              | Mid-High         | High             |
| NR Band n71: 5 MHz                               | 665.5 (133100)                                                                               |                  | 680.5 (136100)   | 695.5 (139100)   |                  |
| NR Band n71: 10 MHz                              | 668 (133600)                                                                                 |                  | 680.5 (136100)   | 693 (138600)     |                  |
| NR Band n71: 15 MHz                              | 670.5 (134100)                                                                               |                  | 680.5 (136100)   | 690.5 (138100)   |                  |
| NR Band n71: 20 MHz                              | 673 (134600)                                                                                 |                  | 680.5 (136100)   | 688 (137600)     |                  |
| NR Band n66 (AWS): 5 MHz                         | 1712.5 (342500)                                                                              |                  | 1745 (349000)    | 1777.5 (355500)  |                  |
| NR Band n66 (AWS): 10 MHz                        | 1715 (343000)                                                                                |                  | 1745 (349000)    | 1775 (355000)    |                  |
| NR Band n66 (AWS): 15 MHz                        | 1717.5 (343500)                                                                              |                  | 1745 (349000)    | 1772.5 (354500)  |                  |
| NR Band n66 (AWS): 20 MHz                        | 1720 (344000)                                                                                |                  | 1745 (349000)    | 1770 (354000)    |                  |
| NR Band n66 (AWS): 40 MHz                        | 1730 (346000)                                                                                |                  | 1745 (349000)    | 1760 (352000)    |                  |
| NR Band n25 (PCS): 5 MHz                         | 1852.5 (370500)                                                                              |                  | 1882.5 (376500)  | 1912.5 (382500)  |                  |
| NR Band n25 (PCS): 10 MHz                        | 1855 (371000)                                                                                |                  | 1882.5 (376500)  | 1910 (382000)    |                  |
| NR Band n25 (PCS): 15 MHz                        | 1857.5 (371500)                                                                              |                  | 1882.5 (376500)  | 1907.5 (381500)  |                  |
| NR Band n25 (PCS): 20 MHz                        | 1860 (372000)                                                                                |                  | 1882.5 (376500)  | 1905 (381000)    |                  |
| NR Band n25 (PCS): 25 MHz                        | 1862.5 (372500)                                                                              |                  | 1882.5 (376500)  | 1902.5 (380500)  |                  |
| NR Band n25 (PCS): 30 MHz                        | 1865 (373000)                                                                                |                  | 1882.5 (376500)  | 1900 (380000)    |                  |
| NR Band n25 (PCS): 40 MHz                        | 1870 (374000)                                                                                |                  | 1882.5 (376500)  | 1895 (379000)    |                  |
| NR Band n41: 10 MHz                              | 2501.01 (500202)                                                                             | 2547 (509400)    | 2592.99 (518598) | 2639.01 (527802) | 2685 (537000)    |
| NR Band n41: 15 MHz                              | 2503.5 (500700)                                                                              | 2548.26 (509652) | 2592.99 (518598) | 2637.75 (527550) | 2682.51 (536502) |
| NR Band n41: 20 MHz                              | 2506.02 (501204)                                                                             | 2549.49 (509898) | 2592.99 (518598) | 2636.49 (527298) | 2679.99 (535998) |
| NR Band n41: 30 MHz                              | 2511 (502200)                                                                                | 2552.01 (510402) | 2592.99 (518598) | 2634 (526800)    | 2674.98 (534996) |
| NR Band n41: 40 MHz                              | 2516.01 (503202)                                                                             | 2567.34 (513468) | N/A              | 2618.67 (523734) | 2670 (534000)    |
| NR Band n41: 50 MHz                              | 2521.02 (504204)                                                                             |                  | 2592.99 (518598) |                  | 2664.99 (532998) |
| NR Band n41: 60 MHz                              | 2526 (505200)                                                                                |                  | 2592.99 (518598) |                  | 2659.98 (531996) |
| NR Band n41: 80 MHz                              | 2536.02 (507204)                                                                             |                  | N/A              |                  | 2649.99 (529998) |
| NR Band n41: 90 MHz                              | 2541 (508200)                                                                                |                  | N/A              |                  | 2644.98 (528996) |
| NR Band n41: 100 MHz                             | 2546.01 (509202)                                                                             |                  | 2592.99 (518598) |                  | 2640 (528000)    |
| SCS for NR Band n71/n66/n25                      | 15 kHz                                                                                       |                  |                  |                  |                  |
| SCS for NR Band n41                              | 30 kHz                                                                                       |                  |                  |                  |                  |
| Modulations Supported in UL                      | DFT-s-OFDM: QPSK, 16QAM, 64QAM<br>CP-OFDM: QPSK, 16QAM, 64QAM                                |                  |                  |                  |                  |
| A-MPR (Additional MPR) disabled for SAR Testing? | YES                                                                                          |                  |                  |                  |                  |
| EN-DC Carrier Aggregation Possible Combinations  | The technical description includes all the possible carrier aggregation combinations         |                  |                  |                  |                  |
| LTE Anchor Bands for NR Band n71                 | LTE Band 2/66                                                                                |                  |                  |                  |                  |
| LTE Anchor Bands for NR Band n66 (AWS)           | LTE Band 2/12                                                                                |                  |                  |                  |                  |
| LTE Anchor Bands for NR Band n25 (PCS)           | LTE Band 12/66                                                                               |                  |                  |                  |                  |
| LTE Anchor Bands for NR Band n41                 | LTE Band 2/66                                                                                |                  |                  |                  |                  |

|                                                |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset | Page 16 of 227                                                                        |                                        |



### 3 INTRODUCTION

The FCC and Innovation, Science, and Economic Development Canada have adopted the guidelines for evaluating the environmental effects of radio frequency (RF) radiation in ET Docket 93-62 on Aug. 6, 1996 and Health Canada Safety Code 6 to protect the public and workers from the potential hazards of RF emissions due to FCC-regulated portable devices. [1]

The safety limits used for the environmental evaluation measurements are based on the criteria published by the American National Standards Institute (ANSI) for localized specific absorption rate (SAR) in IEEE/ANSI C95.1-1992 Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz [3] and Health Canada RF Exposure Guidelines Safety Code 6 [22]. The measurement procedure described in IEEE/ANSI C95.3-2002 Recommended Practice for the Measurement of Potentially Hazardous Electromagnetic Fields - RF and Microwave [4] is used for guidance in measuring the Specific Absorption Rate (SAR) due to the RF radiation exposure from the Equipment Under Test (EUT). These criteria for SAR evaluation are similar to those recommended by the International Committee for Non-Ionizing Radiation Protection (ICNIRP) in Biological Effects and Exposure Criteria for Radiofrequency Electromagnetic Fields,” Report No. Vol 74. SAR is a measure of the rate of energy absorption due to exposure to an RF transmitting source. SAR values have been related to threshold levels for potential biological hazards.

#### 3.1 SAR Definition

Specific Absorption Rate is defined as the time derivative (rate) of the incremental energy (dU) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dV) of a given density (ρ). It is also defined as the rate of RF energy absorption per unit mass at a point in an absorbing body (see Equation 3-1).

**Equation 3-1**  
**SAR Mathematical Equation**

$$SAR = \frac{d}{dt} \left( \frac{dU}{dm} \right) = \frac{d}{dt} \left( \frac{dU}{\rho dv} \right)$$

SAR is expressed in units of Watts per Kilogram (W/kg).

$$SAR = \frac{\sigma \cdot E^2}{\rho}$$

where:

- σ = conductivity of the tissue-simulating material (S/m)
- ρ = mass density of the tissue-simulating material (kg/m<sup>3</sup>)
- E = Total RMS electric field strength (V/m)

NOTE: The primary factors that control rate of energy absorption were found to be the wavelength of the incident field in relation to the dimensions and geometry of the irradiated organism, the orientation of the organism in relation to the polarity of field vectors, the presence of reflecting surfaces, and whether conductive contact is made by the organism with a ground plane.[6]

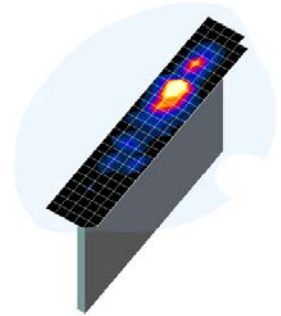
|                                                |                                                                                                                                                                                                              |                                      |                                                                                                 |                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  <b>LG</b> | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset |                                                                                                 | Page 17 of 227                         |

## 4 DOSIMETRIC ASSESSMENT

### 4.1 Measurement Procedure

The evaluation was performed using the following procedure compliant to FCC KDB Publication 865664 D01v01r04 and IEEE 1528-2013:

1. The SAR distribution at the exposed side of the head or body was measured at a distance no greater than 5.0 mm from the inner surface of the shell. The area covered the entire dimension of the device-head and body interface and the horizontal grid resolution was determined per FCC KDB Publication 865664 D01v01r04 (See Table 4-1) and IEEE 1528-2013.
2. The point SAR measurement was taken at the maximum SAR region determined from Step 1 to enable the monitoring of SAR fluctuations/drifts during the 1g/10g cube evaluation. SAR at this fixed point was measured and used as a reference value.
3. Based on the area scan data, the peak of the region with maximum SAR was determined by spline interpolation. Around this point, a volume was assessed according to the measurement resolution and volume size requirements of FCC KDB Publication 865664 D01v01r04 (See Table 4-1) and IEEE 1528-2013. On the basis of this data set, the spatial peak SAR value was evaluated with the following procedure (see references or the DASY manual online for more details):
  - a. SAR values at the inner surface of the phantom are extrapolated from the measured values along the line away from the surface with spacing no greater than that in Table 4-1. The extrapolation was based on a least-squares algorithm. A polynomial of the fourth order was calculated through the points in the z-axis (normal to the phantom shell).
  - b. After the maximum interpolated values were calculated between the points in the cube, the SAR was averaged over the spatial volume (1g or 10g) using a 3D-Spline interpolation algorithm. The 3D-spline is composed of three one-dimensional splines with the “Not a knot” condition (in x, y, and z directions). The volume was then integrated with the trapezoidal algorithm. One thousand points (10 x 10 x 10) were obtained through interpolation, in order to calculate the averaged SAR.
  - c. All neighboring volumes were evaluated until no neighboring volume with a higher average value was found.
4. The SAR reference value, at the same location as step 2, was re-measured after the zoom scan was complete to calculate the SAR drift. If the drift deviated by more than 5%, the SAR test and drift measurements were repeated.



**Figure 4-1**  
Sample SAR Area Scan

**Table 4-1**  
Area and Zoom Scan Resolutions per FCC KDB Publication 865664 D01v01r04\*

| Frequency | Maximum Area Scan Resolution (mm)<br>( $\Delta x_{\text{area}}, \Delta y_{\text{area}}$ ) | Maximum Zoom Scan Resolution (mm)<br>( $\Delta x_{\text{zoomTV}}, \Delta y_{\text{zoom}}$ ) | Maximum Zoom Scan Spatial Resolution (mm)   |                               |                                      | Minimum Zoom Scan Volume (mm)<br>(x,y,z) |
|-----------|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------|-------------------------------|--------------------------------------|------------------------------------------|
|           |                                                                                           |                                                                                             | Uniform Grid<br>$\Delta z_{\text{zoom}}(n)$ | Graded Grid                   |                                      |                                          |
|           |                                                                                           |                                                                                             |                                             | $\Delta z_{\text{zoom}}(1)^*$ | $\Delta z_{\text{zoom}}(n>1)^*$      |                                          |
| ≤ 2 GHz   | ≤ 15                                                                                      | ≤ 8                                                                                         | ≤ 5                                         | ≤ 4                           | ≤ 1.5* $\Delta z_{\text{zoom}}(n-1)$ | ≥ 30                                     |
| 2-3 GHz   | ≤ 12                                                                                      | ≤ 5                                                                                         | ≤ 5                                         | ≤ 4                           | ≤ 1.5* $\Delta z_{\text{zoom}}(n-1)$ | ≥ 30                                     |
| 3-4 GHz   | ≤ 12                                                                                      | ≤ 5                                                                                         | ≤ 4                                         | ≤ 3                           | ≤ 1.5* $\Delta z_{\text{zoom}}(n-1)$ | ≥ 28                                     |
| 4-5 GHz   | ≤ 10                                                                                      | ≤ 4                                                                                         | ≤ 3                                         | ≤ 2.5                         | ≤ 1.5* $\Delta z_{\text{zoom}}(n-1)$ | ≥ 25                                     |
| 5-6 GHz   | ≤ 10                                                                                      | ≤ 4                                                                                         | ≤ 2                                         | ≤ 2                           | ≤ 1.5* $\Delta z_{\text{zoom}}(n-1)$ | ≥ 22                                     |

\*Also compliant to IEEE 1528-2013 Table 6

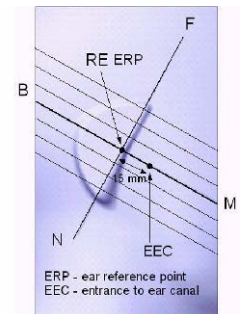
|                                         |                                                                                     |                               |  |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|--|---------------------------------------------------------------------------------------|---------------------------------|
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## 5

## DEFINITION OF REFERENCE POINTS

### 5.1 EAR REFERENCE POINT

Figure 5-2 shows the front, back and side views of the SAM Twin Phantom. The point “M” is the reference point for the center of the mouth, “LE” is the left ear reference point (ERP), and “RE” is the right ERP. The ERP is 15mm posterior to the entrance to the ear canal (EEC) along the B-M line (Back-Mouth), as shown in Figure 5-1. The plane passing through the two ear canals and M is defined as the Reference Plane. The line N-F (Neck-Front), also called the Reference Pivoting Line, is not perpendicular to the reference plane (see Figure 5-1). Line B-M is perpendicular to the N-F line. Both N-F and B-M lines are marked on the external phantom shell to facilitate handset positioning [5].



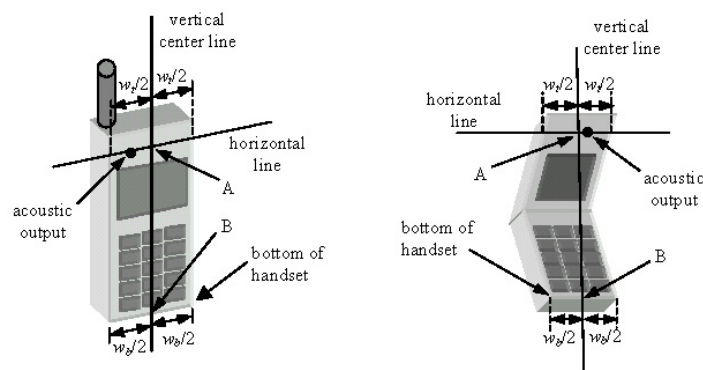
**Figure 5-1**  
Close-Up Side view  
of ERP

### 5.2 HANDSET REFERENCE POINTS

Two imaginary lines on the handset were established: the vertical centerline and the horizontal line. The test device was placed in a normal operating position with the acoustic output located along the “vertical centerline” on the front of the device aligned to the “ear reference point” (See Figure 5-3). The acoustic output was then located at the same level as the center of the ear reference point. The test device was positioned so that the “vertical centerline” was bisecting the front surface of the handset at its top and bottom edges, positioning the “ear reference point” on the outer surface of the both the left and right head phantoms on the ear reference point.



**Figure 5-2**  
Front, back and side view of SAM Twin Phantom



**Figure 5-3**  
Handset Vertical Center & Horizontal Line Reference Points

|                                         |                                                                                                                                                                                                              |                               |                                                                                       |                                 |
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## 6 TEST CONFIGURATION POSITIONS

### 6.1 Device Holder

The device holder is made out of low-loss POM material having the following dielectric parameters: relative permittivity  $\epsilon = 3$  and loss tangent  $\delta = 0.02$ .

### 6.2 Positioning for Cheek

1. The test device was positioned with the device close to the surface of the phantom such that point A is on the (virtual) extension of the line passing through points RE and LE on the phantom (see Figure 6-1), such that the plane defined by the vertical center line and the horizontal line of the phone is approximately parallel to the sagittal plane of the phantom.

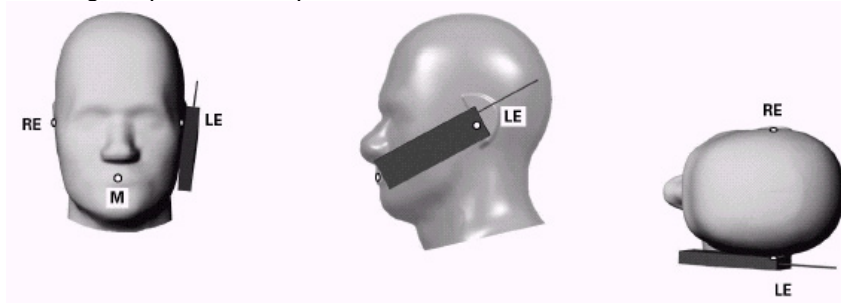


Figure 6-1 Front, Side and Top View of Cheek Position

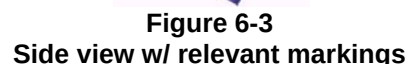
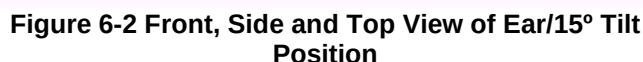
2. The handset was translated towards the phantom along the line passing through RE & LE until the handset touches the pinna.
3. While maintaining the handset in this plane, the handset was rotated around the LE-RE line until the vertical centerline was in the reference plane.
4. The phone was then rotated around the vertical centerline until the phone (horizontal line) was symmetrical with respect to the line NF.
5. While maintaining the vertical centerline in the reference plane, keeping point A on the line passing through RE and LE, and maintaining the device contact with the ear, the device was rotated about the NF line until any point on the handset made contact with a phantom point below the ear (cheek) (See Figure 6-2).

### 6.3 Positioning for Ear / 15° Tilt

With the test device aligned in the “Cheek Position”:

1. While maintaining the orientation of the phone, the phone was retracted parallel to the reference plane far enough to enable a rotation of the phone by 15 degrees.
2. The phone was then rotated around the horizontal line by 15 degrees.
3. While maintaining the orientation of the phone, the phone was moved parallel to the reference plane until any part of the handset touched the head. (In this position, point A was located on the line RE-LE). The tilted position is obtained when the contact is on the pinna. If the contact was at any location other than the pinna, the angle of the phone would then be reduced. In this situation, the tilted position was obtained when any part of the phone was in contact of the ear as well as a second part of the phone was in contact with the head (see Figure 6-2).

|                                         |                                                                                                                                                                                                              |                               |                                                                                       |                                 |
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dictates the closest spacing to the body. Then multiple accessories that contain metallic components are tested with the device with each accessory. If multiple accessories share an identical metallic component (i.e. the same metallic belt-clip used with different holsters with no other metallic components) only the accessory that dictates the closest spacing to the body is tested.

Body-worn accessories may not always be supplied or available as options for some devices intended to be authorized for body-worn use. In this case, a test configuration with a separation distance between the back of the device and the flat phantom is used. Test position spacing was documented. Transmitters that are designed to operate in front of a person's face, as in push-to-talk configurations, are tested for SAR compliance with the front of the device positioned to face the flat phantom in head fluid. For devices that are carried next to the body such as a shoulder, waist or chest-worn transmitters, SAR compliance is tested with the accessories, including headsets and microphones, attached to the device and positioned against a flat phantom in a normal use configuration.

## 6.6 Extremity Exposure Configurations

Devices that are designed or intended for use on extremities or mainly operated in extremity only exposure conditions; i.e., hands, wrists, feet and ankles, may require extremity SAR evaluation. When the device also operates in close proximity to the user's body, SAR compliance for the body is also required. The 1g body and 10g extremity SAR Exclusion Thresholds found in KDB Publication 447498 D01v06 should be applied to determine SAR test requirements.

Per KDB Publication 447498 D01v06, Cell phones (handsets) are not normally designed to be used on extremities or operated in extremity only exposure conditions. The maximum output power levels of handsets generally do not require extremity SAR testing to show compliance. Therefore, extremity SAR was not evaluated for this device.

## 6.7 Wireless Router Configurations

Some battery-operated handsets have the capability to transmit and receive user data through simultaneous transmission of WIFI simultaneously with a separate licensed transmitter. The FCC has provided guidance in FCC KDB Publication 941225 D06v02r01 where SAR test considerations for handsets (L x W  $\geq$  9 cm x 5 cm) are based on a composite test separation distance of 10 mm from the front, back and edges of the device containing transmitting antennas within 2.5 cm of their edges, determined from general mixed use conditions for this type of devices. Since the hotspot SAR results may overlap with the body-worn accessory SAR requirements, the more conservative configurations can be considered, thus excluding some body-worn accessory SAR tests.

When the user enables the personal wireless router functions for the handset, actual operations include simultaneous transmission of both the WIFI transmitter and another licensed transmitter. Both transmitters often do not transmit at the same transmitting frequency and thus cannot be evaluated for SAR under actual use conditions due to the limitations of the SAR assessment probes. Therefore, SAR must be evaluated for each frequency transmission and mode separately and spatially summed with the WIFI transmitter according to FCC KDB Publication 447498 D01v06 procedures. The "Portable Hotspot" feature on the handset was NOT activated during SAR assessments, to ensure the SAR measurements were evaluated for a single transmission frequency RF signal at a time.

## 6.8 Phablet Configurations

For smart phones with a display diagonal dimension > 150 mm or an overall diagonal dimension > 160 mm that provide similar mobile web access and multimedia support found in mini-tablets or UMPC mini-tablets that support voice calls next to the ear, the phablets procedures outlined in KDB Publication 648474 D04v01r03 should be applied to evaluate SAR compliance. A device marketed as phablets, regardless of form factors and operating characteristics must be tested as a phablet to determine SAR compliance.

|                                         |                                                                                                                                                                                                              |                               |                                                                                                 |                                 |
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## 6.9 Proximity Sensor Considerations

This device uses a power reduction mechanism to reduce output powers in certain use conditions when the device is used close the user's body.

When the device's antenna is within a certain distance of the user, the sensor activates and reduces the maximum allowed output power. However, the sensor is not active when the device is moved beyond the sensor triggering distance and the maximum output power is no longer limited. Therefore, additional evaluation is needed in the vicinity of the triggering distance to ensure SAR is compliant when the device is allowed to operate at a non-reduced output power level. FCC KDB Publication 616217 D04v01r02 Section 6 was used as a guideline for selecting SAR test distances for this device at these additional test positions. Sensor triggering distance summary data is included in Appendix G.

The sensor is designed to support sufficient detection range and sensitivity to cover regions of the sensors in all applicable directions since the sensor entirely covers the antennas.

|                                         |                                                                                                                                                 |                               |                                                                                       |                                 |
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## 7 RF EXPOSURE LIMITS

### 7.1 Uncontrolled Environment

UNCONTROLLED ENVIRONMENTS are defined as locations where there is the exposure of individuals who have no knowledge or control of their exposure. The general population/uncontrolled exposure limits are applicable to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Members of the general public would come under this category when exposure is not employment-related; for example, in the case of a wireless transmitter that exposes persons in its vicinity.

### 7.2 Controlled Environment

CONTROLLED ENVIRONMENTS are defined as locations where there is exposure that may be incurred by persons who are aware of the potential for exposure, (i.e. as a result of employment or occupation). In general, occupational/controlled exposure limits are applicable to situations in which persons are exposed as a consequence of their employment, who have been made fully aware of the potential for exposure and can exercise control over their exposure. This exposure category is also applicable when the exposure is of a transient nature due to incidental passage through a location where the exposure levels may be higher than the general population/uncontrolled limits, but the exposed person is fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

**Table 7-1**  
**SAR Human Exposure Specified in ANSI/IEEE C95.1-1992 and Health Canada Safety Code 6**

| HUMAN EXPOSURE LIMITS                                               |                                                                           |                                                                   |
|---------------------------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------------------------|
|                                                                     | UNCONTROLLED ENVIRONMENT<br><i>General Population</i><br>(W/kg) or (mW/g) | CONTROLLED ENVIRONMENT<br><i>Occupational</i><br>(W/kg) or (mW/g) |
| <b>Peak Spatial Average SAR</b><br>Head                             | 1.6                                                                       | 8.0                                                               |
| <b>Whole Body SAR</b>                                               | 0.08                                                                      | 0.4                                                               |
| <b>Peak Spatial Average SAR</b><br>Hands, Feet, Ankle, Wrists, etc. | 4.0                                                                       | 20                                                                |

1. The Spatial Peak value of the SAR averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.
2. The Spatial Average value of the SAR averaged over the whole body.
3. The Spatial Peak value of the SAR averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.

|                                                |                                                                                                                                                                                                              |                                      |                                                                                                 |                                        |
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## 8 FCC MEASUREMENT PROCEDURES

Power measurements for licensed transmitters are performed using a base station simulator under digital average power.

### 8.1 Measured and Reported SAR

Per FCC KDB Publication 447498 D01v06, when SAR is not measured at the maximum power level allowed for production units, the results must be scaled to the maximum tune-up tolerance limit according to the power applied to the individual channels tested to determine compliance. For simultaneous transmission, the measured aggregate SAR must be scaled according to the sum of the differences between the maximum tune-up tolerance and actual power used to test each transmitter. When SAR is measured at or scaled to the maximum tune-up tolerance limit, the results are referred to as *reported* SAR. The highest *reported* SAR results are identified on the grant of equipment authorization according to procedures in KDB 690783 D01v01r03.

### 8.2 3G SAR Test Reduction Procedure

In FCC KDB Publication 941225 D01v03r01, certain transmission modes within a frequency band and wireless mode evaluated for SAR are defined as primary modes. The equivalent modes considered for SAR test reduction are denoted as secondary modes. When the maximum output power including tune-up tolerance specified for production units in a secondary mode is  $\leq 0.25$  dB higher than the primary mode or when the highest reported SAR of the primary mode, scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode, is  $\leq 1.2$  W/kg, SAR measurements are not required for the secondary mode. These criteria are referred to as the 3G SAR test reduction procedure. When the 3G SAR test reduction procedure is not satisfied, SAR measurements are additionally required for the secondary mode.

### 8.3 Procedures Used to Establish RF Signal for SAR

The following procedures are according to FCC KDB Publication 941225 D01v03r01 “3G SAR Measurement Procedures.”

The device is placed into a simulated call using a base station simulator in a RF shielded chamber. Establishing connections in this manner ensure a consistent means for testing SAR and are recommended for evaluating SAR [4]. Devices under test are evaluated prior to testing, with a fully charged battery and were configured to operate at maximum output power. In order to verify that the device is tested throughout the SAR test at maximum output power, the SAR measurement system measures a “point SAR” at an arbitrary reference point at the start and end of the 1 gram SAR evaluation, to assess for any power drifts during the evaluation. If the power drift deviates by more than 5%, the SAR test and drift measurements are repeated.

### 8.4 SAR Measurement Conditions for CDMA2000

The following procedures were performed according to FCC KDB Publication 941225 D01v03r01 “3G SAR Measurement Procedures.”

#### 8.4.1 Output Power Verification

See 3GPP2 C.S0011/TIA-98-E as recommended by FCC KDB Publication 941225 D01v03r01 “3G SAR Measurement Procedures.” Maximum output power is verified on the High, Middle and Low channels according to procedures in section 4.4.5.2 of 3GPP2 C.S0011/TIA-98-E. SO55 tests were measured with power control bits in the “All Up” condition.

|                                         |                                                                                                                                                                                                              |                               |                                                                                       |                                 |
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1. If the mobile station (MS) supports Reverse TCH RC 1 and Forward TCH RC 1, set up a call using Fundamental Channel Test Mode 1 (RC=1/1) with 9600 bps data rate only.
2. Under RC1, C.S0011 Table 4.4.5.2-1, Table 8-1 parameters were applied.
3. If the MS supports the RC 3 Reverse FCH, RC3 Reverse SCH<sub>0</sub> and demodulation of RC 3,4, or 5, set up a call using Supplemental Channel Test Mode 3 (RC 3/3) with 9600 bps Fundamental Channel and 9600 bps SCH<sub>0</sub> data rate.
4. Under RC3, C.S0011 Table 4.4.5.2-2, Table 8-2 was applied.

**Table 8-1**  
**Parameters for Max. Power for RC1**

| Parameter                    | Units        | Value |
|------------------------------|--------------|-------|
| $\overline{I_{or}}$          | dBm/1.23 MHz | -104  |
| $\frac{Pilot E_c}{I_{or}}$   | dB           | -7    |
| $\frac{Traffic E_c}{I_{or}}$ | dB           | -7.4  |

**Table 8-2**  
**Parameters for Max. Power for RC3**

| Parameter                    | Units        | Value |
|------------------------------|--------------|-------|
| $\overline{I_{or}}$          | dBm/1.23 MHz | -86   |
| $\frac{Pilot E_c}{I_{or}}$   | dB           | -7    |
| $\frac{Traffic E_c}{I_{or}}$ | dB           | -7.4  |

5. FCHs were configured at full rate for maximum SAR with “All Up” power control bits.

## 8.4.2 Head SAR Measurements

SAR for next to the ear head exposure is measured in RC3 with the handset configured to transmit at full rate in SO55. The 3G SAR test reduction procedure is applied to RC1 with RC3 as the primary mode; otherwise, SAR is required for the channel with maximum measured output in RC1 using the head exposure configuration that results in the highest reported SAR in RC3.

Head SAR is additionally evaluated using EVDO Rev. A to support compliance for VoIP operations. See Section 8.4.5 for EVDO Rev. A configuration parameters.

## 8.4.3 Body-worn SAR Measurements

SAR for body-worn exposure configurations is measured in RC3 with the DUT configured to transmit at full rate on FCH with all other code channels disabled using TDSO / SO32. The 3G SAR test reduction procedure is applied to the multiple code channel configuration (FCH+SCH<sub>n</sub>), with FCH only as the primary mode. Otherwise, SAR is required for multiple code channel configuration (FCH + SCH<sub>n</sub>), with FCH at full rate and SCH<sub>0</sub> enabled at 9600 bps, using the highest reported SAR configuration for FCH only. When multiple code channels are enabled, the transmitter output can shift by more than 0.5 dB and may lead to higher SAR drifts and SCH dropouts.

The 3G SAR test reduction procedure is applied to body-worn accessory SAR in RC1 with RC3 as the primary mode. Otherwise, SAR is required for RC1, with SO55 and full rate, using the highest reported SAR configuration for body-worn accessory exposure in RC3.

## 8.4.4 Body-worn SAR Measurements for EVDO Devices

For handsets with EVDO capabilities, the 3G SAR test reduction procedure is applied to EVDO Rev. 0 with 1x RTT RC3 as the primary mode to determine body-worn accessory test requirements. Otherwise, body-worn accessory SAR is required for Rev. 0, at 153.6 kbps, using the highest reported SAR configuration for body-worn accessory exposure in RC3.

The 3G SAR test reduction procedure is applied to Rev. A, with Rev. 0 as the primary mode to determine body-worn accessory SAR test requirements. When SAR is not required for Rev. 0, the 3G SAR test reduction is applied with 1x RTT RC3 as the primary mode.

|                                                |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
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When SAR is required for EVDO Rev. A, SAR is measured with a Reverse Data Channel payload size of 4096 bits and a Termination Target of 16 slots defined for Subtype 2 Physical Layer configurations, using the highest reported SAR configuration for body-worn accessory exposure in Rev. 0 or 1x RTT RC3, as appropriate.

#### 8.4.5 Body SAR Measurements for EVDO Hotspot

Hotspot Body SAR is measured using Subtype 0/1 Physical Layer configurations for Rev. 0. The 3G SAR test reduction procedure is applied to Rev. A, Subtype 2 Physical layer configuration, with Rev. 0 as the primary mode; otherwise, SAR is measured for Rev. A using the highest reported SAR configuration for body-worn accessory exposure in Rev. 0. The AT is tested with a Reverse Data Channel rate of 153.6 kbps in Subtype 0/1 Physical Layer configurations; and a Reverse Data Channel payload size of 4096 bits and Termination Target of 16 slots in Subtype 2 Physical Layer configurations.

For EVDO data devices that also support 1x RTT voice and/or data operations, the 3G SAR test reduction procedure is applied to 1x RTT RC3 and RC1 with EVDO Rev. 0 and Rev. A as the respective primary modes. Otherwise, the 'Body-Worn Accessory SAR' procedures in the '3GPP2 CDMA 2000 1x Handsets' section are applied.

### 8.5 SAR Measurement Conditions for UMTS

#### 8.5.1 Output Power Verification

Maximum output power is verified on the High, Middle and Low channels according to the general descriptions in section 5.2 of 3GPP TS 34.121, using the appropriate RMC with TPC (transmit power control) set to all "1s" or applying the required inner loop power control procedures to maintain maximum output power while HSUPA is active. Results for all applicable physical channel configurations (DPCCH, DPDCH<sub>n</sub> and spreading codes, HS-DPCCH etc) are tabulated in this test report. All configurations that are not supported by the DUT or cannot be measured due to technical or equipment limitations are identified.

#### 8.5.2 Head SAR Measurements

SAR for next to the ear head exposure is measured using a 12.2 kbps RMC with TPC bits configured to all "1s". The 3G SAR test reduction procedure is applied to AMR configurations with 12.2 kbps RMC as the primary mode. Otherwise, SAR is measured for 12.2 kbps AMR in 3.4 kbps SRB (signaling radio bearer) using the highest reported SAR configuration in 12.2 kbps RMC for head exposure.

#### 8.5.3 Body SAR Measurements

SAR for body exposure configurations is measured using the 12.2 kbps RMC with the TPC bits all "1s". The 3G SAR test reduction procedure is applied to other spreading codes and multiple DPDCH<sub>n</sub> configurations supported by the handset with 12.2 kbps RMC as the primary mode. Otherwise, SAR is measured using an applicable RMC configuration with the corresponding spreading code or DPDCH<sub>n</sub>, for the highest reported SAR configuration in 12.2 kbps RMC.

#### 8.5.4 SAR Measurements with Rel 5 HSDPA

The 3G SAR test reduction procedure is applied to HSDPA body configurations with 12.2 kbps RMC as the primary mode. Otherwise, Body SAR for HSDPA is measured using an FRC with H-Set 1 in Sub-test 1 and a 12.2 kbps RMC configured in Test Loop Mode 1, for the highest reported SAR configuration in 12.2 kbps RMC without HSDPA. Handsets with both HSDPA and HSUPA are tested according to Release 6 HSPA test procedures.

|                                         |                                                                                                                                                                                                              |                               |                                                                                                 |                                 |
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### 8.5.5 SAR Measurements with Rel 6 HSPA

The 3G SAR test reduction procedure is applied to HSPA (HSUPA/HSDPA with RMC) body configurations with 12.2 kbps RMC as the primary mode. Otherwise, Body SAR for HSPA is measured with E-DCH Sub-test 5, using H-Set 1 and QPSK for FRC and a 12.2 kbps RMC configured in Test Loop Mode 1 and power control algorithm 2, according to the highest reported body SAR configuration in 12.2 kbps RMC without HSPA.

When VOIP applies to head exposure, the 3G SAR test reduction procedure is applied with 12.2 kbps RMC as the primary mode; otherwise, the same HSPA configuration used for body SAR measurements are applied to head exposure testing.

## 8.6 SAR Measurement Conditions for LTE

LTE modes are tested according to FCC KDB 941225 D05v02r04 publication. Establishing connections with base station simulators ensure a consistent means for testing SAR and are recommended for evaluating SAR [4]. The R&S CMW500 or Anritsu MT8820C simulators are used for LTE output power measurements and SAR testing. Closed loop power control was used so the UE transmits with maximum output power during SAR testing. SAR tests were performed with the same number of RB and RB offsets transmitting on all TTI frames (maximum TTI).

### 8.6.1 Spectrum Plots for RB Configurations

A properly configured base station simulator was used for SAR tests and power measurements. Therefore, spectrum plots for RB configurations were not required to be included in this report.

### 8.6.2 MPR

MPR is permanently implemented for this device by the manufacturer. The specific manufacturer target MPR is indicated alongside the SAR results. MPR is enabled for this device, according to 3GPP TS36.101 Section 6.2.3 – 6.2.5 under Table 6.2.3-1.

### 8.6.3 A-MPR

A-MPR (Additional MPR) has been disabled for all SAR tests by setting NS=01 on the base station simulator.

### 8.6.4 Required RB Size and RB Offsets for SAR Testing

According to FCC KDB 941225 D05v02r04:

- a. Per Section 5.2.1, SAR is required for QPSK 1 RB Allocation for the largest bandwidth
  - i. The required channel and offset combination with the highest maximum output power is required for SAR.
  - ii. When the reported SAR is  $\leq 0.8$  W/kg, testing of the remaining RB offset configurations and required test channels is not required. Otherwise, SAR is required for the remaining required test channels using the RB offset configuration with highest output power for that channel.
  - iii. When the reported SAR for a required test channel is  $> 1.45$  W/kg, SAR is required for all RB offset configurations for that channel.
- b. Per Section 5.2.2, SAR is required for 50% RB allocation using the largest bandwidth following the same procedures outlined in Section 5.2.1.
- c. Per Section 5.2.3, QPSK SAR is not required for the 100% allocation when the highest maximum output power for the 100% allocation is less than the highest maximum output power of the 1 RB

|                                         |                                                                                                                                                                                                |                               |                                                                                       |                                 |
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and 50% RB allocations and the reported SAR for the 1 RB and 50% RB allocations is < 0.8 W/kg.

- d. Per Section 5.2.4 and 5.3, SAR tests for higher order modulations and lower bandwidths configurations are not required when the conducted power of the required test configurations determined by Sections 5.2.1 through 5.2.3 is less than or equal to ½ dB higher than the equivalent configuration using QPSK modulation and when the QPSK SAR for those configurations is <1.45 W/kg.

## 8.6.5 TDD

LTE TDD testing is performed using the SAR test guidance provided in FCC KDB 941225 D05v02r04. TDD is tested at the highest duty factor using UL-DL configuration 0 with special subframe configuration 6 and applying the FDD LTE procedures in KDB 941225 D05v02r04. SAR testing is performed using the extended cyclic prefix listed in 3GPP TS 36.211 Section 4.

## 8.6.6 Downlink Only Carrier Aggregation

Conducted power measurements with LTE Carrier Aggregation (CA) (downlink only) active are made in accordance to KDB Publication 941225 D05Av01r02. The RRC connection is only handled by one cell, the primary component carrier (PCC) for downlink and uplink communications. After making a data connection to the PCC, the UE device adds secondary component carrier(s) (SCC) on the downlink only. All uplink communications and acknowledgements remain identical to specifications when downlink carrier aggregation is inactive on the PCC. Additional conducted output powers are measured with the downlink carrier aggregation active for the configuration with highest measured maximum conducted power with downlink carrier aggregation inactive measured among the channel bandwidth, modulation, and RB combinations in each frequency band. Per FCC KDB Publication 941225 D05Av01r02, no SAR measurements are required for downlink only carrier aggregation configurations when the average output power with downlink only carrier aggregation active is not more than 0.25 dB higher than the average output power with downlink only carrier aggregation inactive.

## 8.7 SAR Testing with 802.11 Transmitters

The normal network operating configurations of 802.11 transmitters are not suitable for SAR measurements. Unpredictable fluctuations in network traffic and antenna diversity conditions can introduce undesirable variations in SAR results. The SAR for these devices should be measured using chipset based test mode software to ensure the results are consistent and reliable. See KDB Publication 248227 D01v02r02 for more details.

### 8.7.1 General Device Setup

Chipset based test mode software is hardware dependent and generally varies among manufacturers. The device operating parameters established in test mode for SAR measurements must be identical to those programmed in production units, including output power levels, amplifier gain settings and other RF performance tuning parameters.

A periodic duty factor is required for current generation SAR systems to measure SAR. When 802.11 frame gaps are accounted for in the transmission, a maximum transmission duty factor of 92 - 96% is typically achievable in most test mode configurations. A minimum transmission duty factor of 85% is required to avoid certain hardware and device implementation issues related to wide range SAR scaling. The reported SAR is scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit.

### 8.7.2 U-NII-1 and U-NII-2A

For devices that operate in both U-NII-1 and U-NII-2A bands, when the same maximum output power is specified for both bands, SAR measurement using OFDM SAR test procedures is not required for U-NII-1 unless the highest reported SAR for U-NII-2A is > 1.2 W/kg. When different maximum output powers are specified for the bands, SAR measurement for the U-NII band with the lower maximum output power is not

|                                                |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
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required unless the highest reported SAR for the U-NII band with the higher maximum output power, adjusted by the ratio of lower to higher specified maximum output power for the two bands, is  $> 1.2$  W/kg. When 10g SAR measurement is considered, a factor of 2.5 is applied to the thresholds above.

### 8.7.3 U-NII-2C and U-NII-3

The frequency range covered by U-NII-2C and U-NII-3 is 380 MHz (5.47 – 5.85 GHz), which requires a minimum of at least two SAR probe calibration frequency points to support SAR measurements. When Terminal Doppler Weather Radar (TDWR) restriction applies, the channels at 5.60 – 5.65 GHz in U-NII-2C band must be disabled with acceptable mechanisms and documented in the equipment certification. Unless band gap channels are permanently disabled, SAR must be considered for these channels. Each band is tested independently according to the normally required OFDM SAR measurement and probe calibration frequency points requirements.

### 8.7.4 Initial Test Position Procedure

For exposure conditions with multiple test positions, such as handset operating next to the ear, devices with hotspot mode or UMPC mini-tablet, procedures for initial test position can be applied. Using the transmission mode determined by the DSSS procedure or initial test configuration, area scans are measured for all positions in an exposure condition. The test position with the highest extrapolated (peak) SAR is used as the initial test position. When reported SAR for the initial test position is  $\leq 0.4$  W/kg, no additional testing for the remaining test positions is required. Otherwise, SAR is evaluated at the subsequent highest peak SAR positions until the reported SAR result is  $\leq 0.8$  W/kg or all test positions are measured. When 10g SAR measurement is considered, a factor of 2.5 is applied to the thresholds above.

### 8.7.5 2.4 GHz SAR Test Requirements

SAR is measured for 2.4 GHz 802.11b DSSS using either the fixed test position or, when applicable, the initial test position procedure. SAR test reduction is determined according to the following:

- 1) When the reported SAR of the highest measured maximum output power channel for the exposure configuration is  $\leq 0.8$  W/kg, no further SAR testing is required for 802.11b DSSS in that exposure configuration.
- 2) When the reported SAR is  $> 0.8$  W/kg, SAR is required for that position using the next highest measured output power channel. When any reported SAR is  $> 1.2$  W/kg, SAR is required for the third channel; i.e., all channels require testing.

2.4 GHz 802.11 g/n OFDM are additionally evaluated for SAR if the highest reported SAR for 802.11b, adjusted by the ratio of the OFDM to DSSS specified maximum output power, is  $> 1.2$  W/kg. When SAR is required for OFDM modes in 2.4 GHz band, the Initial Test Configuration Procedures should be followed. When 10g SAR measurement is considered, a factor of 2.5 is applied to the thresholds above.

### 8.7.6 OFDM Transmission Mode and SAR Test Channel Selection

When the same maximum output power was specified for multiple OFDM transmission mode configurations in a frequency band or aggregated band, SAR is measured using the configuration with the largest channel bandwidth, lowest order modulation and lowest data rate. When the maximum output power of a channel is the same for equivalent OFDM configurations; for example, 802.11a, 802.11n and 802.11ac or 802.11g and 802.11n with the same channel bandwidth, modulation and data rate etc., the lower order 802.11 mode i.e., 802.11a, then 802.11n and 802.11ac or 802.11g then 802.11n, is used for SAR measurement. When the maximum output power are the same for multiple test channels, either according to the default or additional power measurement requirements, SAR is measured using the channel closest to the middle of the frequency band or aggregated band. When there are multiple channels with the same maximum output power, SAR is measured using the higher number channel.

|                                                |                                                                                                                                                                                                              |                                      |                                                                                                 |                                        |
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### 8.7.7 Initial Test Configuration Procedure

For OFDM, an initial test configuration is determined for each frequency band and aggregated band, according to the transmission mode with the highest maximum output power specified for SAR measurements. When the same maximum output power is specified for multiple OFDM transmission mode configurations in a frequency band or aggregated band, SAR is measured using the configuration(s) with the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order IEEE 802.11 mode. The channel of the transmission mode with the highest average RF output conducted power will be the initial test configuration.

When the reported SAR is  $\leq 0.8$  W/kg, no additional measurements on other test channels are required. Otherwise, SAR is evaluated using the subsequent highest average RF output channel until the reported SAR result is  $\leq 1.2$  W/kg or all channels are measured. When there are multiple untested channels having the same subsequent highest average RF output power, the channel with higher frequency from the lowest 802.11 mode is considered for SAR measurements (See Section 8.7.6). When 10g SAR measurement is considered, a factor of 2.5 is applied to the thresholds above.

### 8.7.8 Subsequent Test Configuration Procedures

For OFDM configurations in each frequency band and aggregated band, SAR is evaluated for initial test configuration using the fixed test position or the initial test position procedure. When the highest reported SAR (for the initial test configuration), adjusted by the ratio of the specified maximum output power of the subsequent test configuration to initial test configuration, is  $\leq 1.2$  W/kg, no additional SAR tests for the subsequent test configurations are required. When 10g SAR measurement is considered, a factor of 2.5 is applied to the thresholds above.

### 8.7.9 MIMO SAR Considerations

Per KDB Publication 248227 D01v02r02, the simultaneous SAR provisions in KDB Publication 447498 D01v06 should be applied to determine simultaneous transmission SAR test exclusion for WIFI MIMO. If the sum of 1g single transmission chain SAR measurements is  $< 1.6$  W/kg, no additional SAR measurements for MIMO are required. Alternatively, SAR for MIMO can be measured with all antennas transmitting simultaneously at the specified maximum output power of MIMO operation. When 10g SAR measurement is considered, a factor of 2.5 is applied to the thresholds above.

|                                         |                                                                                                                                                                                                              |                               |                                                                                       |                                 |
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## 9 RF CONDUCTED POWERS

### 9.1 GSM Conducted Powers

Table 9-1  
Maximum Conducted Power

| Maximum Burst-Averaged Output Power |         |                             |                            |                            |                            |                            |                            |                            |                            |                            |
|-------------------------------------|---------|-----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
|                                     |         | Voice                       | GPRS/EDGE Data (GMSK)      |                            |                            |                            | EDGE Data (8-PSK)          |                            |                            |                            |
| Band                                | Channel | GSM [dBm]<br>CS<br>(1 Slot) | GPRS [dBm]<br>1 Tx<br>Slot | GPRS [dBm]<br>2 Tx<br>Slot | GPRS [dBm]<br>3 Tx<br>Slot | GPRS [dBm]<br>4 Tx<br>Slot | EDGE [dBm]<br>1 Tx<br>Slot | EDGE [dBm]<br>2 Tx<br>Slot | EDGE [dBm]<br>3 Tx<br>Slot | EDGE [dBm]<br>4 Tx<br>Slot |
| GSM 850                             | 128     | 33.23                       | 33.22                      | 30.82                      | 29.93                      | <b>28.95</b>               | 27.19                      | 26.65                      | 25.56                      | 24.13                      |
|                                     | 190     | 33.24                       | 33.23                      | 30.90                      | 30.00                      | <b>29.01</b>               | 27.20                      | 26.66                      | 25.65                      | 24.26                      |
|                                     | 251     | 33.29                       | 33.27                      | 30.99                      | 30.06                      | <b>29.09</b>               | 27.20                      | 26.69                      | 25.53                      | 24.24                      |
| GSM 1900                            | 512     | 30.60                       | 30.61                      | 29.11                      | <b>27.03</b>               | 25.50                      | 26.19                      | 25.46                      | 24.62                      | 23.51                      |
|                                     | 661     | 30.70                       | 30.70                      | 29.20                      | <b>27.16</b>               | 25.63                      | 26.20                      | 25.49                      | 24.63                      | 23.50                      |
|                                     | 810     | 30.58                       | 30.60                      | 29.07                      | <b>27.07</b>               | 25.52                      | 26.10                      | 25.30                      | 24.38                      | 23.25                      |

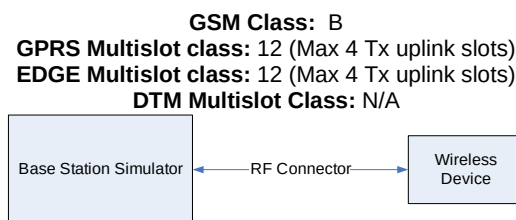
| Calculated Maximum Frame-Averaged Output Power |         |                             |                            |                            |                            |                            |                            |                            |                            |                            |
|------------------------------------------------|---------|-----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
|                                                |         | Voice                       | GPRS/EDGE Data (GMSK)      |                            |                            |                            | EDGE Data (8-PSK)          |                            |                            |                            |
| Band                                           | Channel | GSM [dBm]<br>CS<br>(1 Slot) | GPRS [dBm]<br>1 Tx<br>Slot | GPRS [dBm]<br>2 Tx<br>Slot | GPRS [dBm]<br>3 Tx<br>Slot | GPRS [dBm]<br>4 Tx<br>Slot | EDGE [dBm]<br>1 Tx<br>Slot | EDGE [dBm]<br>2 Tx<br>Slot | EDGE [dBm]<br>3 Tx<br>Slot | EDGE [dBm]<br>4 Tx<br>Slot |
| GSM 850                                        | 128     | 24.03                       | 24.02                      | 24.63                      | 25.50                      | <b>25.77</b>               | 17.99                      | 20.46                      | 21.13                      | 20.95                      |
|                                                | 190     | 24.04                       | 24.03                      | 24.71                      | 25.57                      | <b>25.83</b>               | 18.00                      | 20.47                      | 21.22                      | 21.08                      |
|                                                | 251     | 24.09                       | 24.07                      | 24.80                      | 25.63                      | <b>25.91</b>               | 18.00                      | 20.50                      | 21.10                      | 21.06                      |
| GSM 1900                                       | 512     | 21.40                       | 21.41                      | 22.92                      | <b>22.60</b>               | 22.32                      | 16.99                      | 19.27                      | 20.19                      | 20.33                      |
|                                                | 661     | 21.50                       | 21.50                      | 23.01                      | <b>22.73</b>               | 22.45                      | 17.00                      | 19.30                      | 20.20                      | 20.32                      |
|                                                | 810     | 21.38                       | 21.40                      | 22.88                      | <b>22.64</b>               | 22.34                      | 16.90                      | 19.11                      | 19.95                      | 20.07                      |

|          |                       |       |       |       |              |              |       |       |       |       |
|----------|-----------------------|-------|-------|-------|--------------|--------------|-------|-------|-------|-------|
| GSM 850  | Frame<br>Avg.Targets: | 24.00 | 24.00 | 24.51 | 25.27        | <b>25.52</b> | 17.50 | 20.01 | 20.77 | 21.02 |
| GSM 1900 |                       | 21.00 | 21.00 | 22.51 | <b>22.27</b> | 22.02        | 16.50 | 19.01 | 19.77 | 20.02 |

|                                         |                                                                                                                                                                                                                      |                               |  |  |  |                                                                                       |                                 |
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Note:

1. Both burst-averaged and calculated frame-averaged powers are included. Frame-averaged power was calculated from the measured burst-averaged power by converting the slot powers into linear units and calculating the energy over 8 timeslots.
2. GPRS/EDGE (GMSK) output powers were measured with coding scheme setting of 1 (CS1) on the base station simulator. CS1 was configured to measure GPRS output power measurements and SAR to ensure GMSK modulation in the signal. Our Investigation has shown that CS1 - CS4 settings do not have any impact on the output levels or modulation in the GPRS modes.
3. EDGE (8-PSK) output powers were measured with MCS7 on the base station simulator. MCS7 coding scheme was used to measure the output powers for EDGE since investigation has shown that choosing MCS7 coding scheme will ensure 8-PSK modulation. It has been shown that MCS levels that produce 8-PSK modulation do not have an impact on output power.



**Figure 9-1**  
**Power Measurement Setup**

## 9.2 CDMA Conducted Powers

**Table 9-2**  
**Maximum Conducted Power**

| Band     | Channel | Rule Part | Frequency | SO55 [dBm] | SO55 [dBm] | TDSO SO32 [dBm] | TDSO SO32 [dBm] | 1x EvDO Rev. 0 [dBm] | 1x EvDO Rev. A [dBm] |
|----------|---------|-----------|-----------|------------|------------|-----------------|-----------------|----------------------|----------------------|
|          | F-RC    |           | MHz       | RC1        | RC3        | FCH+SCH         | FCH             | (RTAP)               | (RETAP)              |
| Cellular | 564     | 90S       | 820.1     | 24.45      | 24.51      | 24.34           | 24.34           | 24.44                | 24.45                |
| Cellular | 1013    | 22H       | 824.7     | 24.52      | 24.57      | 24.50           | 24.64           | 24.54                | 24.50                |
|          | 384     | 22H       | 836.52    | 24.44      | 24.49      | 24.63           | 24.58           | 24.53                | 24.50                |
|          | 777     | 22H       | 848.31    | 24.43      | 24.49      | 24.34           | 24.44           | 24.46                | 24.44                |
| PCS      | 25      | 24E       | 1851.25   | 24.56      | 24.54      | 24.52           | 24.40           | 24.48                | 24.45                |
|          | 600     | 24E       | 1880      | 24.61      | 24.56      | 24.56           | 24.50           | 24.52                | 24.55                |
|          | 1175    | 24E       | 1908.75   | 24.57      | 24.55      | 24.55           | 24.38           | 24.49                | 24.48                |

|                                         |                                                                                                                                                                                                              |                               |                                                                                       |                                 |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
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**Table 9-3**  
**Reduced Conducted Power**

| Band | Channel | Rule Part | Frequency | SO55 [dBm] | SO55 [dBm] | TDSO SO32 [dBm] | TDSO SO32 [dBm] | 1x EvDO Rev. 0 [dBm] | 1x EvDO Rev. A [dBm] |
|------|---------|-----------|-----------|------------|------------|-----------------|-----------------|----------------------|----------------------|
|      | F-RC    |           | MHz       | RC1        | RC3        | FCH+SCH         | FCH             | (RTAP)               | (RETAP)              |
| PCS  | 25      | 24E       | 1851.25   | 22.58      | 22.70      | 22.59           | 22.63           | 22.58                | 22.62                |
|      | 600     | 24E       | 1880      | 22.53      | 22.69      | 22.70           | 22.69           | 22.66                | 22.66                |
|      | 1175    | 24E       | 1908.75   | 22.54      | 22.67      | 22.55           | 22.58           | 22.62                | 22.62                |

Note: RC1 is only applicable for IS-95 compatibility. For FCC Rule Part 90S, Per FCC KDB Publication 447498 D01v06 4.1.g), only one channel is required since the device operates within the transmission range of 817.90 – 823.10 MHz.



**Figure 9-2**  
**Power Measurement Setup**

|                                         |                                                                                                                                                                                                               |                               |                                                                                       |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
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### 9.3 UMTS Conducted Powers

**Table 9-4**  
**Maximum Conducted Power**

| 3GPP Release Version | Mode  | 3GPP 34.121 Subtest | Cellular Band [dBm] |       |       | AWS Band [dBm] |       |       | PCS Band [dBm] |       |       | MPR [dB] |
|----------------------|-------|---------------------|---------------------|-------|-------|----------------|-------|-------|----------------|-------|-------|----------|
|                      |       |                     | 4132                | 4183  | 4233  | 1312           | 1412  | 1513  | 9262           | 9400  | 9538  |          |
| 99                   | WCDMA | 12.2 kbps RMC       | 24.34               | 24.41 | 24.40 | 24.70          | 24.69 | 24.68 | 24.66          | 24.65 | 24.70 | -        |
| 99                   |       | 12.2 kbps AMR       | 24.38               | 24.40 | 24.40 | 24.70          | 24.67 | 24.70 | 24.70          | 24.65 | 24.70 | -        |
| 6                    | HSDPA | Subtest 1           | 24.06               | 24.10 | 24.03 | 24.52          | 24.26 | 24.48 | 24.36          | 24.41 | 24.43 | 0        |
| 6                    |       | Subtest 2           | 24.02               | 23.97 | 23.93 | 24.03          | 23.96 | 24.03 | 24.50          | 24.53 | 24.53 | 0        |
| 6                    |       | Subtest 3           | 23.46               | 23.50 | 23.45 | 24.08          | 23.92 | 24.00 | 24.04          | 24.06 | 24.08 | 0.5      |
| 6                    |       | Subtest 4           | 23.51               | 23.47 | 23.46 | 24.04          | 23.96 | 23.98 | 23.98          | 24.01 | 23.94 | 0.5      |
| 6                    | HSUPA | Subtest 1           | 21.91               | 21.95 | 21.97 | 22.44          | 22.38 | 22.39 | 22.39          | 22.50 | 22.11 | 2        |
| 6                    |       | Subtest 2           | 22.09               | 22.03 | 22.01 | 22.47          | 22.45 | 22.43 | 22.36          | 22.45 | 22.37 | 2        |
| 6                    |       | Subtest 3           | 23.10               | 23.07 | 23.04 | 23.18          | 23.15 | 23.13 | 23.56          | 23.54 | 23.53 | 1        |
| 6                    |       | Subtest 4           | 21.60               | 21.57 | 21.58 | 22.08          | 21.98 | 21.96 | 22.04          | 22.11 | 22.02 | 2.5      |
| 6                    |       | Subtest 5           | 23.15               | 23.16 | 23.13 | 23.48          | 23.43 | 23.39 | 23.29          | 23.35 | 23.32 | 1        |

**Table 9-5**  
**Reduced Conducted Power**

| 3GPP Release Version | Mode  | 3GPP 34.121 Subtest | AWS Band [dBm] |       |       | PCS Band [dBm] |       |       | MPR [dB] |
|----------------------|-------|---------------------|----------------|-------|-------|----------------|-------|-------|----------|
|                      |       |                     | 1312           | 1412  | 1513  | 9262           | 9400  | 9538  |          |
| 99                   | WCDMA | 12.2 kbps RMC       | 22.70          | 22.68 | 22.68 | 22.67          | 22.61 | 22.70 | -        |
| 99                   |       | 12.2 kbps AMR       | 22.69          | 22.65 | 22.66 | 22.65          | 22.61 | 22.70 | -        |
| 6                    | HSDPA | Subtest 1           | 22.05          | 21.95 | 21.88 | 22.45          | 22.48 | 22.44 | 0        |
| 6                    |       | Subtest 2           | 22.18          | 21.98 | 22.20 | 22.44          | 22.56 | 22.53 | 0        |
| 6                    |       | Subtest 3           | 21.30          | 21.69 | 21.72 | 22.06          | 22.09 | 22.07 | 0.5      |
| 6                    |       | Subtest 4           | 22.01          | 21.98 | 22.02 | 22.20          | 22.10 | 22.11 | 0.5      |
| 6                    | HSUPA | Subtest 1           | 20.63          | 20.59 | 20.57 | 20.67          | 20.65 | 20.59 | 2        |
| 6                    |       | Subtest 2           | 20.52          | 20.50 | 20.47 | 20.55          | 20.54 | 20.51 | 2        |
| 6                    |       | Subtest 3           | 21.52          | 21.47 | 21.44 | 21.51          | 21.49 | 21.48 | 1        |
| 6                    |       | Subtest 4           | 19.99          | 20.00 | 19.98 | 20.16          | 20.17 | 20.11 | 2.5      |
| 6                    |       | Subtest 5           | 21.46          | 21.44 | 21.41 | 21.53          | 21.45 | 21.50 | 1        |

This device does not support DC-HSDPA



**Figure 9-3**  
**Power Measurement Setup**

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
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## 9.4 LTE Conducted Powers

### 9.4.1

### LTE Band 71

**Table 9-6**  
**LTE Band 71 Maximum Conducted Powers - 20 MHz Bandwidth**

| LTE Band 71<br>20 MHz Bandwidth |         |           |                          |                              |          |
|---------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 133297<br>(680.5 MHz)    |                              |          |
|                                 |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                            | 1       | 0         | 25.40                    | 0                            | 0        |
|                                 | 1       | 50        | <b>25.44</b>             |                              | 0        |
|                                 | 1       | 99        | 25.28                    |                              | 0        |
|                                 | 50      | 0         | 24.30                    | 0-1                          | 1        |
|                                 | 50      | 25        | <b>24.34</b>             |                              | 1        |
|                                 | 50      | 50        | 24.28                    |                              | 1        |
|                                 | 100     | 0         | 24.24                    |                              | 1        |
| 16QAM                           | 1       | 0         | 24.26                    | 0-1                          | 1        |
|                                 | 1       | 50        | 24.31                    |                              | 1        |
|                                 | 1       | 99        | 24.12                    |                              | 1        |
|                                 | 50      | 0         | 23.27                    | 0-2                          | 2        |
|                                 | 50      | 25        | 23.29                    |                              | 2        |
|                                 | 50      | 50        | 23.26                    |                              | 2        |
|                                 | 100     | 0         | 23.24                    |                              | 2        |
| 64QAM                           | 1       | 0         | 23.30                    | 0-2                          | 2        |
|                                 | 1       | 50        | 23.35                    |                              | 2        |
|                                 | 1       | 99        | 23.16                    |                              | 2        |
|                                 | 50      | 0         | 22.26                    | 0-3                          | 3        |
|                                 | 50      | 25        | 22.31                    |                              | 3        |
|                                 | 50      | 50        | 22.30                    |                              | 3        |
|                                 | 100     | 0         | 22.25                    |                              | 3        |

Note: LTE Band 71 at 20 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                         |                                                                                                                                                                                                              |                               |                                                                                       |                                 |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
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| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                                           | DUT Type:<br>Portable Handset |                                                                                       | Page 36 of 227                  |

**Table 9-7**  
**LTE Band 71 Maximum Conducted Powers - 15 MHz Bandwidth**

| LTE Band 71<br>15 MHz Bandwidth |         |           |                          |                              |          |
|---------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 133297<br>(680.5 MHz)    |                              |          |
|                                 |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                            | 1       | 0         | 25.28                    | 0                            | 0        |
|                                 | 1       | 36        | 25.28                    |                              | 0        |
|                                 | 1       | 74        | 25.18                    |                              | 0        |
|                                 | 36      | 0         | 24.18                    | 0-1                          | 1        |
|                                 | 36      | 18        | 24.23                    |                              | 1        |
|                                 | 36      | 37        | 24.22                    |                              | 1        |
|                                 | 75      | 0         | 24.21                    |                              | 1        |
| 16QAM                           | 1       | 0         | 24.32                    | 0-1                          | 1        |
|                                 | 1       | 36        | 24.36                    |                              | 1        |
|                                 | 1       | 74        | 24.22                    |                              | 1        |
|                                 | 36      | 0         | 23.22                    | 0-2                          | 2        |
|                                 | 36      | 18        | 23.25                    |                              | 2        |
|                                 | 36      | 37        | 23.27                    |                              | 2        |
|                                 | 75      | 0         | 23.23                    |                              | 2        |
| 64QAM                           | 1       | 0         | 23.50                    | 0-2                          | 2        |
|                                 | 1       | 36        | 23.49                    |                              | 2        |
|                                 | 1       | 74        | 23.48                    |                              | 2        |
|                                 | 36      | 0         | 22.33                    | 0-3                          | 3        |
|                                 | 36      | 18        | 22.37                    |                              | 3        |
|                                 | 36      | 37        | 22.29                    |                              | 3        |
|                                 | 75      | 0         | 22.18                    |                              | 3        |

Note: LTE Band 71 at 15 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                         |                                                                                     |                               |                                                                                       |                                 |
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| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 37 of 227                  |



**Table 9-8**  
**LTE Band 71 Maximum Conducted Powers - 10 MHz Bandwidth**

| LTE Band 71<br>10 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 133172<br>(668.0 MHz) | 133297<br>(680.5 MHz) | 133422<br>(693.0 MHz) |                              |          |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                            | 1       | 0         | 25.25                 | 25.22                 | 25.08                 | 0                            | 0        |
|                                 | 1       | 25        | 25.20                 | 25.25                 | 25.20                 |                              | 0        |
|                                 | 1       | 49        | 25.30                 | 25.20                 | 25.15                 |                              | 0        |
|                                 | 25      | 0         | 24.15                 | 24.23                 | 24.30                 | 0-1                          | 1        |
|                                 | 25      | 12        | 24.29                 | 24.23                 | 24.24                 |                              | 1        |
|                                 | 25      | 25        | 24.28                 | 24.25                 | 24.11                 |                              | 1        |
|                                 | 50      | 0         | 24.21                 | 24.28                 | 24.22                 |                              | 1        |
| 16QAM                           | 1       | 0         | 24.35                 | 24.05                 | 24.01                 | 0-1                          | 1        |
|                                 | 1       | 25        | 24.32                 | 24.02                 | 24.00                 |                              | 1        |
|                                 | 1       | 49        | 24.37                 | 24.03                 | 24.00                 |                              | 1        |
|                                 | 25      | 0         | 23.17                 | 23.37                 | 23.35                 | 0-2                          | 2        |
|                                 | 25      | 12        | 23.33                 | 23.35                 | 23.32                 |                              | 2        |
|                                 | 25      | 25        | 23.35                 | 23.40                 | 23.18                 |                              | 2        |
|                                 | 50      | 0         | 23.25                 | 23.27                 | 23.25                 |                              | 2        |
| 64QAM                           | 1       | 0         | 23.29                 | 23.27                 | 23.24                 | 0-2                          | 2        |
|                                 | 1       | 25        | 23.29                 | 23.22                 | 23.19                 |                              | 2        |
|                                 | 1       | 49        | 23.28                 | 23.13                 | 23.24                 |                              | 2        |
|                                 | 25      | 0         | 22.29                 | 22.42                 | 22.41                 | 0-3                          | 3        |
|                                 | 25      | 12        | 22.46                 | 22.40                 | 22.37                 |                              | 3        |
|                                 | 25      | 25        | 22.39                 | 22.42                 | 22.21                 |                              | 3        |
|                                 | 50      | 0         | 22.33                 | 22.40                 | 22.28                 |                              | 3        |

|                                                |                                                                                                                                                 |                                      |                                                                                       |                                        |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
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| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                       | <b>DUT Type:</b><br>Portable Handset | Page 38 of 227                                                                        |                                        |

**Table 9-9**  
**LTE Band 71 Maximum Conducted Powers - 5 MHz Bandwidth**

| LTE Band 71<br>5 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 133147<br>(665.5 MHz) | 133297<br>(680.5 MHz) | 133447<br>(695.5 MHz) |                              |          |
|                                |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                           | 1       | 0         | 25.41                 | 25.45                 | 25.22                 | 0                            | 0        |
|                                | 1       | 12        | 25.50                 | 25.41                 | 25.17                 |                              | 0        |
|                                | 1       | 24        | 25.40                 | 25.40                 | 25.25                 |                              | 0        |
|                                | 12      | 0         | 24.25                 | 24.29                 | 24.26                 | 0-1                          | 1        |
|                                | 12      | 6         | 24.35                 | 24.27                 | 24.22                 |                              | 1        |
|                                | 12      | 13        | 24.33                 | 24.28                 | 24.16                 |                              | 1        |
|                                | 25      | 0         | 24.35                 | 24.30                 | 24.18                 |                              | 1        |
| 16QAM                          | 1       | 0         | 24.03                 | 24.21                 | 24.49                 | 0-1                          | 1        |
|                                | 1       | 12        | 24.06                 | 24.20                 | 24.43                 |                              | 1        |
|                                | 1       | 24        | 24.01                 | 24.22                 | 24.50                 |                              | 1        |
|                                | 12      | 0         | 23.27                 | 23.32                 | 23.36                 | 0-2                          | 2        |
|                                | 12      | 6         | 23.42                 | 23.31                 | 23.31                 |                              | 2        |
|                                | 12      | 13        | 23.41                 | 23.31                 | 23.26                 |                              | 2        |
|                                | 25      | 0         | 23.33                 | 23.33                 | 23.25                 |                              | 2        |
| 64QAM                          | 1       | 0         | 23.44                 | 23.45                 | 23.36                 | 0-2                          | 2        |
|                                | 1       | 12        | 23.46                 | 23.44                 | 23.31                 |                              | 2        |
|                                | 1       | 24        | 23.46                 | 23.41                 | 23.37                 |                              | 2        |
|                                | 12      | 0         | 22.26                 | 22.35                 | 22.22                 | 0-3                          | 3        |
|                                | 12      | 6         | 22.39                 | 22.33                 | 22.16                 |                              | 3        |
|                                | 12      | 13        | 22.38                 | 22.31                 | 22.13                 |                              | 3        |
|                                | 25      | 0         | 22.31                 | 22.41                 | 22.23                 |                              | 3        |

|                                                |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
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| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset | Page 39 of 227                                                                        |                                        |

## 9.4.2

## LTE Band 12

**Table 9-10**  
**LTE Band 12 Maximum Conducted Powers - 10 MHz Bandwidth**

| LTE Band 12<br>10 MHz Bandwidth |         |           |                          |                              |          |
|---------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 23095<br>(707.5 MHz)     |                              |          |
|                                 |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                            | 1       | 0         | 25.45                    | 0                            | 0        |
|                                 | 1       | 25        | <b>25.46</b>             |                              | 0        |
|                                 | 1       | 49        | 25.44                    |                              | 0        |
|                                 | 25      | 0         | 24.44                    | 0-1                          | 1        |
|                                 | 25      | 12        | 24.36                    |                              | 1        |
|                                 | 25      | 25        | <b>24.49</b>             |                              | 1        |
|                                 | 50      | 0         | 24.40                    |                              | 1        |
| 16QAM                           | 1       | 0         | 24.43                    | 0-1                          | 1        |
|                                 | 1       | 25        | 24.50                    |                              | 1        |
|                                 | 1       | 49        | 24.46                    |                              | 1        |
|                                 | 25      | 0         | 23.50                    | 0-2                          | 2        |
|                                 | 25      | 12        | 23.45                    |                              | 2        |
|                                 | 25      | 25        | 23.50                    |                              | 2        |
|                                 | 50      | 0         | 23.38                    |                              | 2        |
| 64QAM                           | 1       | 0         | 23.20                    | 0-2                          | 2        |
|                                 | 1       | 25        | 23.37                    |                              | 2        |
|                                 | 1       | 49        | 23.21                    |                              | 2        |
|                                 | 25      | 0         | 22.50                    | 0-3                          | 3        |
|                                 | 25      | 12        | 22.38                    |                              | 3        |
|                                 | 25      | 25        | 22.49                    |                              | 3        |
|                                 | 50      | 0         | 22.36                    |                              | 3        |

Note: LTE Band 12 at 10 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                         |                                                                                                                                                                                                              |                               |                                                                                       |                                 |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
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**Table 9-11**  
**LTE Band 12 Maximum Conducted Powers - 5 MHz Bandwidth**

| LTE Band 12<br>5 MHz Bandwidth |         |           |                       |                      |                      |                              |          |
|--------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Low Channel           | Mid Channel          | High Channel         | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 23035<br>(701.5 MHz)  | 23095<br>(707.5 MHz) | 23155<br>(713.5 MHz) |                              |          |
|                                |         |           | Conducted Power [dBm] |                      |                      |                              |          |
| QPSK                           | 1       | 0         | 25.40                 | 25.38                | 25.30                | 0                            | 0        |
|                                | 1       | 12        | 25.37                 | 25.33                | 25.26                |                              | 0        |
|                                | 1       | 24        | 25.39                 | 25.38                | 25.31                |                              | 0        |
|                                | 12      | 0         | 24.36                 | 24.34                | 24.26                | 0-1                          | 1        |
|                                | 12      | 6         | 24.35                 | 24.33                | 24.33                |                              | 1        |
|                                | 12      | 13        | 24.24                 | 24.22                | 24.29                |                              | 1        |
|                                | 25      | 0         | 24.36                 | 24.35                | 24.32                |                              | 1        |
| 16QAM                          | 1       | 0         | 24.21                 | 24.23                | 24.48                | 0-1                          | 1        |
|                                | 1       | 12        | 24.25                 | 24.25                | 24.41                |                              | 1        |
|                                | 1       | 24        | 24.21                 | 24.22                | 24.46                |                              | 1        |
|                                | 12      | 0         | 23.36                 | 23.34                | 23.34                | 0-2                          | 2        |
|                                | 12      | 6         | 23.36                 | 23.35                | 23.37                |                              | 2        |
|                                | 12      | 13        | 23.27                 | 23.26                | 23.35                |                              | 2        |
|                                | 25      | 0         | 23.40                 | 23.39                | 23.45                |                              | 2        |
| 64QAM                          | 1       | 0         | 23.43                 | 23.45                | 23.50                | 0-2                          | 2        |
|                                | 1       | 12        | 23.37                 | 23.33                | 23.48                |                              | 2        |
|                                | 1       | 24        | 23.43                 | 23.39                | 23.49                |                              | 2        |
|                                | 12      | 0         | 22.35                 | 22.29                | 22.25                | 0-3                          | 3        |
|                                | 12      | 6         | 22.34                 | 22.33                | 22.26                |                              | 3        |
|                                | 12      | 13        | 22.26                 | 22.25                | 22.23                |                              | 3        |
|                                | 25      | 0         | 22.31                 | 22.28                | 22.34                |                              | 3        |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
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| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 41 of 227                  |

**Table 9-12**  
**LTE Band 12 Maximum Conducted Powers - 3 MHz Bandwidth**

| LTE Band 12<br>3 MHz Bandwidth |         |           |                       |                      |                      |                              |          |
|--------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Low Channel           | Mid Channel          | High Channel         | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 23025<br>(700.5 MHz)  | 23095<br>(707.5 MHz) | 23165<br>(714.5 MHz) |                              |          |
|                                |         |           | Conducted Power [dBm] |                      |                      |                              |          |
| QPSK                           | 1       | 0         | 25.11                 | 25.26                | 25.18                | 0                            | 0        |
|                                | 1       | 7         | 25.16                 | 25.23                | 25.20                |                              | 0        |
|                                | 1       | 14        | 25.16                 | 25.19                | 25.21                |                              | 0        |
|                                | 8       | 0         | 24.26                 | 24.29                | 24.16                | 0-1                          | 1        |
|                                | 8       | 4         | 24.27                 | 24.32                | 24.19                |                              | 1        |
|                                | 8       | 7         | 24.16                 | 24.29                | 24.21                |                              | 1        |
|                                | 15      | 0         | 24.21                 | 24.30                | 24.34                |                              | 1        |
| 16QAM                          | 1       | 0         | 23.89                 | 24.43                | 23.73                | 0-1                          | 1        |
|                                | 1       | 7         | 23.87                 | 24.39                | 23.77                |                              | 1        |
|                                | 1       | 14        | 23.86                 | 24.38                | 23.72                |                              | 1        |
|                                | 8       | 0         | 23.28                 | 23.43                | 23.29                | 0-2                          | 2        |
|                                | 8       | 4         | 23.31                 | 23.42                | 23.32                |                              | 2        |
|                                | 8       | 7         | 23.22                 | 23.38                | 23.31                |                              | 2        |
|                                | 15      | 0         | 23.30                 | 23.35                | 23.30                |                              | 2        |
| 64QAM                          | 1       | 0         | 23.48                 | 23.26                | 23.40                | 0-2                          | 2        |
|                                | 1       | 7         | 23.48                 | 23.22                | 23.41                |                              | 2        |
|                                | 1       | 14        | 23.49                 | 23.20                | 23.39                |                              | 2        |
|                                | 8       | 0         | 22.25                 | 22.36                | 22.24                | 0-3                          | 3        |
|                                | 8       | 4         | 22.26                 | 22.40                | 22.26                |                              | 3        |
|                                | 8       | 7         | 22.20                 | 22.37                | 22.28                |                              | 3        |
|                                | 15      | 0         | 22.24                 | 22.35                | 22.28                |                              | 3        |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
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| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 42 of 227                  |

**Table 9-13**  
**LTE Band 12 Maximum Conducted Powers - 1.4 MHz Bandwidth**

| LTE Band 12<br>1.4 MHz Bandwidth |         |           |                       |                      |                      |                              |          |
|----------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------|----------|
| Modulation                       | RB Size | RB Offset | Low Channel           | Mid Channel          | High Channel         | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                  |         |           | 23017<br>(699.7 MHz)  | 23095<br>(707.5 MHz) | 23173<br>(715.3 MHz) |                              |          |
|                                  |         |           | Conducted Power [dBm] |                      |                      |                              |          |
| QPSK                             | 1       | 0         | 25.37                 | 25.46                | 25.17                | 0                            | 0        |
|                                  | 1       | 2         | 25.37                 | 25.44                | 25.12                |                              | 0        |
|                                  | 1       | 5         | 25.35                 | 25.45                | 25.17                |                              | 0        |
|                                  | 3       | 0         | 25.20                 | 25.33                | 25.26                |                              | 0        |
|                                  | 3       | 2         | 25.32                 | 25.32                | 25.27                |                              | 0        |
|                                  | 3       | 3         | 25.28                 | 25.32                | 25.26                |                              | 0        |
|                                  | 6       | 0         | 24.25                 | 24.38                | 24.35                | 0-1                          | 1        |
| 16QAM                            | 1       | 0         | 23.70                 | 23.89                | 24.34                | 0-1                          | 1        |
|                                  | 1       | 2         | 23.66                 | 23.87                | 24.31                |                              | 1        |
|                                  | 1       | 5         | 23.68                 | 23.90                | 24.32                |                              | 1        |
|                                  | 3       | 0         | 24.07                 | 24.22                | 24.31                |                              | 1        |
|                                  | 3       | 2         | 24.08                 | 24.18                | 24.33                |                              | 1        |
|                                  | 3       | 3         | 24.03                 | 24.20                | 24.34                |                              | 1        |
|                                  | 6       | 0         | 23.42                 | 23.44                | 23.21                | 0-2                          | 2        |
| 64QAM                            | 1       | 0         | 23.38                 | 23.48                | 23.27                | 0-2                          | 2        |
|                                  | 1       | 2         | 23.38                 | 23.42                | 23.28                |                              | 2        |
|                                  | 1       | 5         | 23.39                 | 23.32                | 23.20                |                              | 2        |
|                                  | 3       | 0         | 23.28                 | 23.37                | 23.39                |                              | 2        |
|                                  | 3       | 2         | 23.33                 | 23.35                | 23.42                |                              | 2        |
|                                  | 3       | 3         | 23.31                 | 23.46                | 23.43                |                              | 2        |
|                                  | 6       | 0         | 22.37                 | 22.29                | 22.48                | 0-3                          | 3        |

|                                                |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset | Page 43 of 227                                                                        |                                        |

### 9.4.3

### LTE Band 13

**Table 9-14**  
**LTE Band 13 Maximum Conducted Powers - 10 MHz Bandwidth**

| LTE Band 13<br>10 MHz Bandwidth |         |           |                          |                              |          |
|---------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 23230<br>(782.0 MHz)     |                              |          |
|                                 |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                            | 1       | 0         | <b>25.22</b>             | 0                            | 0        |
|                                 | 1       | 25        | 25.10                    |                              | 0        |
|                                 | 1       | 49        | 25.06                    |                              | 0        |
|                                 | 25      | 0         | 24.24                    | 0-1                          | 1        |
|                                 | 25      | 12        | <b>24.34</b>             |                              | 1        |
|                                 | 25      | 25        | 24.25                    |                              | 1        |
|                                 | 50      | 0         | 24.33                    |                              | 1        |
| 16QAM                           | 1       | 0         | 24.31                    | 0-1                          | 1        |
|                                 | 1       | 25        | 24.30                    |                              | 1        |
|                                 | 1       | 49        | 24.23                    |                              | 1        |
|                                 | 25      | 0         | 23.33                    | 0-2                          | 2        |
|                                 | 25      | 12        | 23.40                    |                              | 2        |
|                                 | 25      | 25        | 23.32                    |                              | 2        |
|                                 | 50      | 0         | 23.30                    |                              | 2        |
| 64QAM                           | 1       | 0         | 23.42                    | 0-2                          | 2        |
|                                 | 1       | 25        | 23.40                    |                              | 2        |
|                                 | 1       | 49        | 23.35                    |                              | 2        |
|                                 | 25      | 0         | 22.30                    | 0-3                          | 3        |
|                                 | 25      | 12        | 22.37                    |                              | 3        |
|                                 | 25      | 25        | 22.30                    |                              | 3        |
|                                 | 50      | 0         | 22.32                    |                              | 3        |

|                                         |                                                                                                                                                                                                              |                               |                                                                                       |                                 |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  <b>PCTEST</b><br>Proud to be part of  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                                           | DUT Type:<br>Portable Handset |                                                                                       | Page 44 of 227                  |



**Table 9-15**  
**LTE Band 13 Maximum Conducted Powers - 5 MHz Bandwidth**

| LTE Band 13<br>5 MHz Bandwidth |         |           |                          |                              |          |
|--------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 23230<br>(782.0 MHz)     |                              |          |
|                                |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                           | 1       | 0         | 25.37                    | 0                            | 0        |
|                                | 1       | 12        | 25.27                    |                              | 0        |
|                                | 1       | 24        | 25.26                    |                              | 0        |
|                                | 12      | 0         | 24.35                    | 0-1                          | 1        |
|                                | 12      | 6         | 24.32                    |                              | 1        |
|                                | 12      | 13        | 24.33                    |                              | 1        |
|                                | 25      | 0         | 24.35                    |                              | 1        |
| 16QAM                          | 1       | 0         | 24.30                    | 0-1                          | 1        |
|                                | 1       | 12        | 24.31                    |                              | 1        |
|                                | 1       | 24        | 24.23                    |                              | 1        |
|                                | 12      | 0         | 23.37                    | 0-2                          | 2        |
|                                | 12      | 6         | 23.37                    |                              | 2        |
|                                | 12      | 13        | 23.30                    |                              | 2        |
|                                | 25      | 0         | 23.38                    |                              | 2        |
| 64QAM                          | 1       | 0         | 23.39                    | 0-2                          | 2        |
|                                | 1       | 12        | 23.37                    |                              | 2        |
|                                | 1       | 24        | 23.36                    |                              | 2        |
|                                | 12      | 0         | 22.34                    | 0-3                          | 3        |
|                                | 12      | 6         | 22.31                    |                              | 3        |
|                                | 12      | 13        | 22.27                    |                              | 3        |
|                                | 25      | 0         | 22.31                    |                              | 3        |

Note: LTE Band 13 at 5 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                                |                                                                                                                                                 |                                      |                                                                                                 |                                        |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------------|
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| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                       | <b>DUT Type:</b><br>Portable Handset | Page 45 of 227                                                                                  |                                        |

## 9.4.4

## LTE Band 26

**Table 9-16**  
**LTE Band 26 (Cell) Maximum Conducted Powers - 15 MHz Bandwidth**

| LTE Band 26 (Cell)<br>15 MHz Bandwidth |         |           |                          |                              |          |
|----------------------------------------|---------|-----------|--------------------------|------------------------------|----------|
| Modulation                             | RB Size | RB Offset | Mid Channel              | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                        |         |           | 26865<br>(831.5 MHz)     |                              |          |
|                                        |         |           | Conducted Power<br>[dBm] |                              |          |
| QPSK                                   | 1       | 0         | 25.07                    | 0                            | 0        |
|                                        | 1       | 36        | <b>25.13</b>             |                              | 0        |
|                                        | 1       | 74        | 25.00                    |                              | 0        |
|                                        | 36      | 0         | <b>24.23</b>             | 0-1                          | 1        |
|                                        | 36      | 18        | 24.14                    |                              | 1        |
|                                        | 36      | 37        | 24.17                    |                              | 1        |
|                                        | 75      | 0         | 24.22                    |                              | 1        |
| 16QAM                                  | 1       | 0         | 24.30                    | 0-1                          | 1        |
|                                        | 1       | 36        | 24.41                    |                              | 1        |
|                                        | 1       | 74        | 24.26                    |                              | 1        |
|                                        | 36      | 0         | 23.24                    | 0-2                          | 2        |
|                                        | 36      | 18        | 23.20                    |                              | 2        |
|                                        | 36      | 37        | 23.22                    |                              | 2        |
|                                        | 75      | 0         | 23.20                    |                              | 2        |
| 64QAM                                  | 1       | 0         | 23.05                    | 0-2                          | 2        |
|                                        | 1       | 36        | 23.17                    |                              | 2        |
|                                        | 1       | 74        | 23.01                    |                              | 2        |
|                                        | 36      | 0         | 22.22                    | 0-3                          | 3        |
|                                        | 36      | 18        | 22.21                    |                              | 3        |
|                                        | 36      | 37        | 22.21                    |                              | 3        |
|                                        | 75      | 0         | 22.20                    |                              | 3        |

Note: LTE Band 26 at 15 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                         |                                                                                                                                                                                                              |                               |                                                                                                 |                                 |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------|
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| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                                           | DUT Type:<br>Portable Handset |                                                                                                 | Page 46 of 227                  |

**Table 9-17**  
**LTE Band 26 (Cell) Maximum Conducted Powers - 10 MHz Bandwidth**

| LTE Band 26 (Cell)<br>10 MHz Bandwidth |         |           |                       |                      |                      |                              |          |
|----------------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------|----------|
| Modulation                             | RB Size | RB Offset | Low Channel           | Mid Channel          | High Channel         | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                        |         |           | 26740<br>(819.0 MHz)  | 26865<br>(831.5 MHz) | 26990<br>(844.0 MHz) |                              |          |
|                                        |         |           | Conducted Power [dBm] |                      |                      |                              |          |
| QPSK                                   | 1       | 0         | 24.94                 | 24.92                | 24.99                | 0                            | 0        |
|                                        | 1       | 25        | 24.97                 | 25.02                | 25.05                |                              | 0        |
|                                        | 1       | 49        | 24.99                 | 25.05                | 25.03                |                              | 0        |
|                                        | 25      | 0         | 24.20                 | 24.23                | 24.26                | 0-1                          | 1        |
|                                        | 25      | 12        | 24.20                 | 24.23                | 24.22                |                              | 1        |
|                                        | 25      | 25        | 24.18                 | 24.24                | 24.15                |                              | 1        |
|                                        | 50      | 0         | 24.22                 | 24.24                | 24.24                |                              | 1        |
| 16QAM                                  | 1       | 0         | 23.80                 | 24.17                | 23.54                | 0-1                          | 1        |
|                                        | 1       | 25        | 23.77                 | 24.22                | 23.59                |                              | 1        |
|                                        | 1       | 49        | 23.79                 | 24.20                | 23.58                |                              | 1        |
|                                        | 25      | 0         | 23.27                 | 23.31                | 23.36                | 0-2                          | 2        |
|                                        | 25      | 12        | 23.29                 | 23.29                | 23.32                |                              | 2        |
|                                        | 25      | 25        | 23.26                 | 23.31                | 23.23                |                              | 2        |
|                                        | 50      | 0         | 23.21                 | 23.22                | 23.26                |                              | 2        |
| 64QAM                                  | 1       | 0         | 23.40                 | 23.05                | 23.20                | 0-2                          | 2        |
|                                        | 1       | 25        | 23.43                 | 23.11                | 23.26                |                              | 2        |
|                                        | 1       | 49        | 23.45                 | 23.09                | 23.26                |                              | 2        |
|                                        | 25      | 0         | 22.21                 | 22.32                | 22.36                | 0-3                          | 3        |
|                                        | 25      | 12        | 22.23                 | 22.28                | 22.31                |                              | 3        |
|                                        | 25      | 25        | 22.19                 | 22.30                | 22.25                |                              | 3        |
|                                        | 50      | 0         | 22.21                 | 22.23                | 22.18                |                              | 3        |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 47 of 227                  |

**Table 9-18**  
**LTE Band 26 (Cell) Maximum Conducted Powers - 5 MHz Bandwidth**

| LTE Band 26 (Cell)<br>5 MHz Bandwidth |         |           |                       |                      |                      |                              |          |
|---------------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel           | Mid Channel          | High Channel         | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 26715<br>(816.5 MHz)  | 26865<br>(831.5 MHz) | 27015<br>(846.5 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm] |                      |                      |                              |          |
| QPSK                                  | 1       | 0         | 25.17                 | 25.07                | 25.20                | 0                            | 0        |
|                                       | 1       | 12        | 25.19                 | 25.10                | 25.19                |                              | 0        |
|                                       | 1       | 24        | 25.18                 | 25.06                | 25.25                |                              | 0        |
|                                       | 12      | 0         | 24.21                 | 24.16                | 24.28                | 0-1                          | 1        |
|                                       | 12      | 6         | 24.18                 | 24.18                | 24.21                |                              | 1        |
|                                       | 12      | 13        | 24.18                 | 24.20                | 24.11                |                              | 1        |
|                                       | 25      | 0         | 24.23                 | 24.19                | 24.18                |                              | 1        |
| 16QAM                                 | 1       | 0         | 24.07                 | 24.49                | 24.17                | 0-1                          | 1        |
|                                       | 1       | 12        | 24.07                 | 24.10                | 24.13                |                              | 1        |
|                                       | 1       | 24        | 24.08                 | 24.06                | 24.24                |                              | 1        |
|                                       | 12      | 0         | 23.19                 | 23.30                | 23.32                | 0-2                          | 2        |
|                                       | 12      | 6         | 23.21                 | 23.31                | 23.26                |                              | 2        |
|                                       | 12      | 13        | 23.24                 | 23.33                | 23.23                |                              | 2        |
|                                       | 25      | 0         | 23.26                 | 23.25                | 23.29                |                              | 2        |
| 64QAM                                 | 1       | 0         | 23.28                 | 23.46                | 23.34                | 0-2                          | 2        |
|                                       | 1       | 12        | 23.31                 | 23.48                | 23.36                |                              | 2        |
|                                       | 1       | 24        | 23.30                 | 23.46                | 23.43                |                              | 2        |
|                                       | 12      | 0         | 22.27                 | 22.27                | 22.19                | 0-3                          | 3        |
|                                       | 12      | 6         | 22.34                 | 22.28                | 22.17                |                              | 3        |
|                                       | 12      | 13        | 22.31                 | 22.31                | 22.15                |                              | 3        |
|                                       | 25      | 0         | 22.27                 | 22.33                | 22.28                |                              | 3        |

|                                                |                                                                                                                                                    |                                      |                                                                                       |                                        |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              |  <b>PCTEST</b><br><small>Proud to be part of LG element</small> | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                          | <b>DUT Type:</b><br>Portable Handset | Page 48 of 227                                                                        |                                        |

**Table 9-19**  
**LTE Band 26 (Cell) Maximum Conducted Powers - 3 MHz Bandwidth**

| LTE Band 26 (Cell)<br>3 MHz Bandwidth |         |           |                       |                      |                      |                              |          |
|---------------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel           | Mid Channel          | High Channel         | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 26705<br>(815.5 MHz)  | 26865<br>(831.5 MHz) | 27025<br>(847.5 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm] |                      |                      |                              |          |
| QPSK                                  | 1       | 0         | 25.22                 | 25.22                | 25.03                | 0                            | 0        |
|                                       | 1       | 7         | 25.19                 | 25.19                | 25.10                |                              | 0        |
|                                       | 1       | 14        | 25.25                 | 25.17                | 25.12                |                              | 0        |
|                                       | 8       | 0         | 24.25                 | 24.27                | 24.15                | 0-1                          | 1        |
|                                       | 8       | 4         | 24.27                 | 24.26                | 24.13                |                              | 1        |
|                                       | 8       | 7         | 24.26                 | 24.28                | 24.11                |                              | 1        |
|                                       | 15      | 0         | 24.27                 | 24.30                | 24.12                |                              | 1        |
| 16QAM                                 | 1       | 0         | 24.33                 | 24.06                | 24.36                | 0-1                          | 1        |
|                                       | 1       | 7         | 24.34                 | 24.03                | 24.37                |                              | 1        |
|                                       | 1       | 14        | 24.36                 | 24.01                | 24.35                |                              | 1        |
|                                       | 8       | 0         | 23.34                 | 23.32                | 23.42                | 0-2                          | 2        |
|                                       | 8       | 4         | 23.37                 | 23.31                | 23.32                |                              | 2        |
|                                       | 8       | 7         | 23.39                 | 23.33                | 23.41                |                              | 2        |
|                                       | 15      | 0         | 23.34                 | 23.27                | 23.25                |                              | 2        |
| 64QAM                                 | 1       | 0         | 23.25                 | 23.17                | 23.27                | 0-2                          | 2        |
|                                       | 1       | 7         | 23.25                 | 23.16                | 23.29                |                              | 2        |
|                                       | 1       | 14        | 23.20                 | 23.13                | 23.20                |                              | 2        |
|                                       | 8       | 0         | 22.22                 | 22.36                | 22.43                | 0-3                          | 3        |
|                                       | 8       | 4         | 22.24                 | 22.30                | 22.39                |                              | 3        |
|                                       | 8       | 7         | 22.25                 | 22.34                | 22.40                |                              | 3        |
|                                       | 15      | 0         | 22.29                 | 22.34                | 22.26                |                              | 3        |

|                                                |                                                                                                                                                 |                                      |                                                                                       |                                        |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              |  <b>PCTEST</b><br><small>Proud to be part of element</small> | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                       | <b>DUT Type:</b><br>Portable Handset | Page 49 of 227                                                                        |                                        |

**Table 9-20**  
**LTE Band 26 (Cell) Maximum Conducted Powers - 1.4 MHz Bandwidth**

| LTE Band 26 (Cell)<br>1.4 MHz Bandwidth |         |           |                       |                      |                      |                              |          |
|-----------------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------|----------|
| Modulation                              | RB Size | RB Offset | Low Channel           | Mid Channel          | High Channel         | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                         |         |           | 26697<br>(814.7 MHz)  | 26865<br>(831.5 MHz) | 27033<br>(848.3 MHz) |                              |          |
|                                         |         |           | Conducted Power [dBm] |                      |                      |                              |          |
| QPSK                                    | 1       | 0         | 25.47                 | 25.18                | 25.25                | 0                            | 0        |
|                                         | 1       | 2         | 25.42                 | 25.16                | 25.22                |                              | 0        |
|                                         | 1       | 5         | 25.27                 | 25.18                | 25.15                |                              | 0        |
|                                         | 3       | 0         | 25.22                 | 25.19                | 25.13                |                              | 0        |
|                                         | 3       | 2         | 25.19                 | 25.23                | 25.16                |                              | 0        |
|                                         | 3       | 3         | 25.20                 | 25.18                | 25.17                |                              | 0        |
|                                         | 6       | 0         | 24.26                 | 24.30                | 24.20                | 0-1                          | 1        |
| 16QAM                                   | 1       | 0         | 24.35                 | 24.10                | 24.03                | 0-1                          | 1        |
|                                         | 1       | 2         | 24.31                 | 24.03                | 24.00                |                              | 1        |
|                                         | 1       | 5         | 24.33                 | 24.05                | 24.05                |                              | 1        |
|                                         | 3       | 0         | 24.16                 | 24.18                | 24.06                |                              | 1        |
|                                         | 3       | 2         | 24.11                 | 24.14                | 24.10                |                              | 1        |
|                                         | 3       | 3         | 24.17                 | 24.15                | 24.09                |                              | 1        |
|                                         | 6       | 0         | 23.12                 | 23.42                | 23.22                | 0-2                          | 2        |
| 64QAM                                   | 1       | 0         | 23.23                 | 23.17                | 23.24                | 0-2                          | 2        |
|                                         | 1       | 2         | 23.16                 | 23.22                | 23.18                |                              | 2        |
|                                         | 1       | 5         | 23.23                 | 23.16                | 23.33                |                              | 2        |
|                                         | 3       | 0         | 23.11                 | 23.33                | 23.27                |                              | 2        |
|                                         | 3       | 2         | 23.14                 | 23.32                | 23.28                |                              | 2        |
|                                         | 3       | 3         | 23.22                 | 23.30                | 23.28                |                              | 2        |
|                                         | 6       | 0         | 22.21                 | 22.18                | 22.26                | 0-3                          | 3        |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 50 of 227                  |

## 9.4.5

## LTE Band 66

Table 9-21

LTE Band 66 (AWS) Antenna 2 Maximum Conducted Powers - 20 MHz Bandwidth

| LTE Band 66 (AWS)<br>20 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|---------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 132072<br>(1720.0 MHz) | 132322<br>(1745.0 MHz) | 132572<br>(1770.0 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                  | 1       | 0         | 24.90                  | 24.82                  | 25.10                  | 0                            | 0        |
|                                       | 1       | 50        | 25.06                  | 24.91                  | 25.09                  |                              | 0        |
|                                       | 1       | 99        | 24.87                  | 24.74                  | 25.03                  |                              | 0        |
|                                       | 50      | 0         | 23.94                  | 24.02                  | 24.08                  | 0-1                          | 1        |
|                                       | 50      | 25        | 24.01                  | 24.03                  | 24.00                  |                              | 1        |
|                                       | 50      | 50        | 23.97                  | 23.96                  | 23.92                  |                              | 1        |
|                                       | 100     | 0         | 23.98                  | 24.00                  | 23.97                  |                              | 1        |
| 16QAM                                 | 1       | 0         | 24.06                  | 23.78                  | 23.94                  | 0-1                          | 1        |
|                                       | 1       | 50        | 24.20                  | 23.81                  | 23.99                  |                              | 1        |
|                                       | 1       | 99        | 24.03                  | 23.72                  | 23.90                  |                              | 1        |
|                                       | 50      | 0         | 22.86                  | 23.02                  | 22.99                  | 0-2                          | 2        |
|                                       | 50      | 25        | 22.94                  | 23.03                  | 23.00                  |                              | 2        |
|                                       | 50      | 50        | 22.91                  | 22.95                  | 22.92                  |                              | 2        |
|                                       | 100     | 0         | 22.95                  | 22.97                  | 22.98                  |                              | 2        |
| 64QAM                                 | 1       | 0         | 22.85                  | 23.20                  | 23.02                  | 0-2                          | 2        |
|                                       | 1       | 50        | 22.96                  | 23.20                  | 23.08                  |                              | 2        |
|                                       | 1       | 99        | 22.80                  | 23.12                  | 22.97                  |                              | 2        |
|                                       | 50      | 0         | 21.94                  | 22.05                  | 22.12                  | 0-3                          | 3        |
|                                       | 50      | 25        | 21.98                  | 22.00                  | 22.04                  |                              | 3        |
|                                       | 50      | 50        | 21.95                  | 21.93                  | 21.95                  |                              | 3        |
|                                       | 100     | 0         | 21.94                  | 21.93                  | 22.00                  |                              | 3        |

|                                         |                                                                                                                                                                                                                        |                               |                                                                                                 |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  <b>PCTEST</b><br>Proud to be part of  <b>LG</b> | SAR EVALUATION REPORT         |  <b>LG</b> | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                                                     | DUT Type:<br>Portable Handset |                                                                                                 | Page 51 of 227                  |

**Table 9-22**  
**LTE Band 66 (AWS) Antenna 2 Maximum Conducted Powers - 15 MHz Bandwidth**

| LTE Band 66 (AWS)<br>15 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|---------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 132047<br>(1717.5 MHz) | 132322<br>(1745.0 MHz) | 132597<br>(1772.5 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                  | 1       | 0         | 24.98                  | 24.95                  | 25.19                  | 0                            | 0        |
|                                       | 1       | 36        | 24.95                  | 24.98                  | 25.17                  |                              | 0        |
|                                       | 1       | 74        | 24.90                  | 24.90                  | 25.20                  |                              | 0        |
|                                       | 36      | 0         | 24.02                  | 24.04                  | 24.18                  | 0-1                          | 1        |
|                                       | 36      | 18        | 24.03                  | 24.03                  | 24.10                  |                              | 1        |
|                                       | 36      | 37        | 24.04                  | 24.00                  | 24.14                  |                              | 1        |
|                                       | 75      | 0         | 24.10                  | 24.15                  | 24.20                  |                              | 1        |
| 16QAM                                 | 1       | 0         | 24.06                  | 24.00                  | 24.15                  | 0-1                          | 1        |
|                                       | 1       | 36        | 24.10                  | 23.72                  | 24.18                  |                              | 1        |
|                                       | 1       | 74        | 24.00                  | 23.71                  | 24.12                  |                              | 1        |
|                                       | 36      | 0         | 23.05                  | 23.03                  | 23.20                  | 0-2                          | 2        |
|                                       | 36      | 18        | 23.11                  | 23.06                  | 23.20                  |                              | 2        |
|                                       | 36      | 37        | 23.07                  | 23.04                  | 23.18                  |                              | 2        |
|                                       | 75      | 0         | 23.05                  | 23.01                  | 23.15                  |                              | 2        |
| 64QAM                                 | 1       | 0         | 23.20                  | 22.82                  | 23.14                  | 0-2                          | 2        |
|                                       | 1       | 36        | 23.17                  | 22.92                  | 23.19                  |                              | 2        |
|                                       | 1       | 74        | 23.19                  | 22.74                  | 23.12                  |                              | 2        |
|                                       | 36      | 0         | 21.89                  | 22.06                  | 22.10                  | 0-3                          | 3        |
|                                       | 36      | 18        | 21.98                  | 22.10                  | 22.07                  |                              | 3        |
|                                       | 36      | 37        | 21.93                  | 22.01                  | 22.06                  |                              | 3        |
|                                       | 75      | 0         | 21.97                  | 21.96                  | 21.89                  |                              | 3        |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 52 of 227                  |



**Table 9-23**  
**LTE Band 66 (AWS) Antenna 2 Maximum Conducted Powers - 10 MHz Bandwidth**

| LTE Band 66 (AWS)<br>10 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|---------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 132022<br>(1715.0 MHz) | 132322<br>(1745.0 MHz) | 132622<br>(1775.0 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                  | 1       | 0         | 25.17                  | 25.19                  | 25.16                  | 0                            | 0        |
|                                       | 1       | 25        | 25.19                  | 25.14                  | 25.18                  |                              | 0        |
|                                       | 1       | 49        | 25.19                  | 25.20                  | 25.14                  |                              | 0        |
|                                       | 25      | 0         | 24.08                  | 24.20                  | 24.20                  | 0-1                          | 1        |
|                                       | 25      | 12        | 24.11                  | 24.19                  | 24.20                  |                              | 1        |
|                                       | 25      | 25        | 24.14                  | 24.15                  | 24.17                  |                              | 1        |
|                                       | 50      | 0         | 24.17                  | 24.20                  | 24.19                  |                              | 1        |
| 16QAM                                 | 1       | 0         | 23.70                  | 24.02                  | 23.92                  | 0-1                          | 1        |
|                                       | 1       | 25        | 23.73                  | 24.05                  | 23.93                  |                              | 1        |
|                                       | 1       | 49        | 23.71                  | 24.04                  | 23.94                  |                              | 1        |
|                                       | 25      | 0         | 23.00                  | 23.11                  | 23.20                  | 0-2                          | 2        |
|                                       | 25      | 12        | 23.10                  | 23.19                  | 23.19                  |                              | 2        |
|                                       | 25      | 25        | 23.14                  | 23.17                  | 23.18                  |                              | 2        |
|                                       | 50      | 0         | 23.20                  | 23.19                  | 23.17                  |                              | 2        |
| 64QAM                                 | 1       | 0         | 22.87                  | 22.85                  | 23.20                  | 0-2                          | 2        |
|                                       | 1       | 25        | 22.90                  | 22.85                  | 23.19                  |                              | 2        |
|                                       | 1       | 49        | 22.91                  | 22.82                  | 23.18                  |                              | 2        |
|                                       | 25      | 0         | 22.00                  | 22.07                  | 22.05                  | 0-3                          | 3        |
|                                       | 25      | 12        | 22.09                  | 22.05                  | 21.99                  |                              | 3        |
|                                       | 25      | 25        | 22.10                  | 22.05                  | 22.01                  |                              | 3        |
|                                       | 50      | 0         | 21.97                  | 22.04                  | 22.04                  |                              | 3        |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 53 of 227                  |

Table 9-24

## LTE Band 66 (AWS) Antenna 2 Maximum Conducted Powers - 5 MHz Bandwidth

| LTE Band 66 (AWS)<br>5 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|--------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 131997<br>(1712.5 MHz) | 132322<br>(1745.0 MHz) | 132647<br>(1777.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                 | 1       | 0         | 25.17                  | 25.19                  | 25.20                  | 0                            | 0        |
|                                      | 1       | 12        | 25.16                  | 25.19                  | 25.19                  |                              | 0        |
|                                      | 1       | 24        | 25.20                  | 25.20                  | 25.17                  |                              | 0        |
|                                      | 12      | 0         | 24.10                  | 24.20                  | 24.14                  | 0-1                          | 1        |
|                                      | 12      | 6         | 24.15                  | 24.16                  | 24.16                  |                              | 1        |
|                                      | 12      | 13        | 24.17                  | 24.12                  | 24.20                  |                              | 1        |
| 25                                   | 0       | 24.20     | 24.15                  | 24.20                  |                        | 1                            |          |
| 16QAM                                | 1       | 0         | 24.02                  | 24.18                  | 24.20                  | 0-1                          | 1        |
|                                      | 1       | 12        | 24.03                  | 24.19                  | 24.19                  |                              | 1        |
|                                      | 1       | 24        | 24.01                  | 24.16                  | 24.20                  |                              | 1        |
|                                      | 12      | 0         | 23.19                  | 23.19                  | 23.12                  | 0-2                          | 2        |
|                                      | 12      | 6         | 23.20                  | 23.20                  | 23.15                  |                              | 2        |
|                                      | 12      | 13        | 23.17                  | 23.18                  | 23.19                  |                              | 2        |
| 25                                   | 0       | 23.15     | 23.20                  | 23.20                  |                        | 2                            |          |
| 64QAM                                | 1       | 0         | 23.11                  | 23.13                  | 23.00                  | 0-2                          | 2        |
|                                      | 1       | 12        | 23.14                  | 23.15                  | 23.03                  |                              | 2        |
|                                      | 1       | 24        | 23.16                  | 23.17                  | 23.02                  |                              | 2        |
|                                      | 12      | 0         | 21.93                  | 21.92                  | 21.94                  | 0-3                          | 3        |
|                                      | 12      | 6         | 21.96                  | 21.90                  | 21.91                  |                              | 3        |
|                                      | 12      | 13        | 21.99                  | 21.89                  | 21.89                  |                              | 3        |
| 25                                   | 0       | 21.88     | 21.97                  | 21.97                  |                        | 3                            |          |

|                                         |                                                                                                                                                                                                              |                               |                                                                                       |                                 |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  <b>PCTEST</b><br>Proud to be part of  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                                           | DUT Type:<br>Portable Handset |                                                                                       | Page 54 of 227                  |

**Table 9-25**  
**LTE Band 66 (AWS) Antenna 2 Maximum Conducted Powers - 3 MHz Bandwidth**

| LTE Band 66 (AWS)<br>3 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|--------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 131987<br>(1711.5 MHz) | 132322<br>(1745.0 MHz) | 132657<br>(1778.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                 | 1       | 0         | 25.20                  | 25.11                  | 25.20                  | 0                            | 0        |
|                                      | 1       | 7         | 25.16                  | 25.19                  | 25.17                  |                              | 0        |
|                                      | 1       | 14        | 25.11                  | 25.20                  | 25.11                  |                              | 0        |
|                                      | 8       | 0         | 24.19                  | 24.18                  | 24.13                  | 0-1                          | 1        |
|                                      | 8       | 4         | 24.17                  | 24.19                  | 24.14                  |                              | 1        |
|                                      | 8       | 7         | 24.14                  | 24.14                  | 24.20                  |                              | 1        |
|                                      | 15      | 0         | 24.20                  | 24.16                  | 24.20                  |                              | 1        |
| 16QAM                                | 1       | 0         | 24.03                  | 23.93                  | 24.18                  | 0-1                          | 1        |
|                                      | 1       | 7         | 24.02                  | 23.90                  | 24.15                  |                              | 1        |
|                                      | 1       | 14        | 24.00                  | 23.88                  | 24.10                  |                              | 1        |
|                                      | 8       | 0         | 23.18                  | 23.20                  | 23.18                  | 0-2                          | 2        |
|                                      | 8       | 4         | 23.17                  | 23.19                  | 23.16                  |                              | 2        |
|                                      | 8       | 7         | 23.19                  | 23.20                  | 23.19                  |                              | 2        |
|                                      | 15      | 0         | 23.13                  | 23.18                  | 23.19                  |                              | 2        |
| 64QAM                                | 1       | 0         | 22.92                  | 22.83                  | 22.96                  | 0-2                          | 2        |
|                                      | 1       | 7         | 22.92                  | 22.84                  | 22.90                  |                              | 2        |
|                                      | 1       | 14        | 22.88                  | 22.81                  | 22.83                  |                              | 2        |
|                                      | 8       | 0         | 21.89                  | 22.00                  | 22.09                  | 0-3                          | 3        |
|                                      | 8       | 4         | 21.90                  | 21.98                  | 22.08                  |                              | 3        |
|                                      | 8       | 7         | 21.89                  | 22.00                  | 22.07                  |                              | 3        |
|                                      | 15      | 0         | 21.96                  | 22.00                  | 21.98                  |                              | 3        |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 55 of 227                  |

**Table 9-26**  
**LTE Band 66 (AWS) Antenna 2 Maximum Conducted Powers - 1.4 MHz Bandwidth**

| LTE Band 66 (AWS)<br>1.4 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|----------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                             | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                        |         |           | 131979<br>(1710.7 MHz) | 132322<br>(1745.0 MHz) | 132665<br>(1779.3 MHz) |                              |          |
|                                        |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                   | 1       | 0         | 25.14                  | 25.20                  | 25.20                  | 0                            | 0        |
|                                        | 1       | 2         | 25.20                  | 25.18                  | 25.19                  |                              | 0        |
|                                        | 1       | 5         | 25.18                  | 25.17                  | 25.20                  |                              | 0        |
|                                        | 3       | 0         | 25.13                  | 25.16                  | 25.13                  |                              | 0        |
|                                        | 3       | 2         | 25.15                  | 25.19                  | 25.15                  |                              | 0        |
|                                        | 3       | 3         | 25.13                  | 25.16                  | 25.16                  |                              | 0        |
|                                        | 6       | 0         | 24.12                  | 24.20                  | 24.20                  | 0-1                          | 1        |
| 16QAM                                  | 1       | 0         | 24.03                  | 24.18                  | 24.18                  | 0-1                          | 1        |
|                                        | 1       | 2         | 24.00                  | 24.19                  | 24.16                  |                              | 1        |
|                                        | 1       | 5         | 24.04                  | 24.20                  | 24.18                  |                              | 1        |
|                                        | 3       | 0         | 24.16                  | 24.20                  | 24.08                  |                              | 1        |
|                                        | 3       | 2         | 24.15                  | 24.18                  | 24.10                  |                              | 1        |
|                                        | 3       | 3         | 24.18                  | 24.16                  | 24.09                  |                              | 1        |
|                                        | 6       | 0         | 23.20                  | 23.16                  | 23.20                  | 0-2                          | 2        |
| 64QAM                                  | 1       | 0         | 22.86                  | 22.81                  | 22.82                  | 0-2                          | 2        |
|                                        | 1       | 2         | 22.82                  | 22.85                  | 22.94                  |                              | 2        |
|                                        | 1       | 5         | 22.94                  | 22.80                  | 23.00                  |                              | 2        |
|                                        | 3       | 0         | 22.77                  | 22.94                  | 22.94                  |                              | 2        |
|                                        | 3       | 2         | 22.80                  | 22.96                  | 22.92                  |                              | 2        |
|                                        | 3       | 3         | 22.79                  | 22.95                  | 22.92                  |                              | 2        |
|                                        | 6       | 0         | 21.85                  | 21.81                  | 21.91                  | 0-3                          | 3        |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 56 of 227                  |

Table 9-27

## LTE Band 66 (AWS) Antenna 2 Reduced Conducted Powers – 20 MHz Bandwidth

| LTE Band 66 (AWS)<br>20 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|---------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 132072<br>(1720.0 MHz) | 132322<br>(1745.0 MHz) | 132572<br>(1770.0 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                  | 1       | 0         | 22.62                  | 22.74                  | 22.61                  | 0                            | 0        |
|                                       | 1       | 50        | 22.74                  | 22.78                  | 22.76                  |                              | 0        |
|                                       | 1       | 99        | 22.65                  | 22.56                  | 22.70                  |                              | 0        |
|                                       | 50      | 0         | 22.57                  | 22.76                  | 22.20                  | 0-1                          | 0        |
|                                       | 50      | 25        | 22.72                  | 22.73                  | 22.70                  |                              | 0        |
|                                       | 50      | 50        | 22.73                  | 22.70                  | 22.68                  |                              | 0        |
|                                       | 100     | 0         | 22.62                  | 22.71                  | 22.69                  |                              | 0        |
| 16QAM                                 | 1       | 0         | 22.66                  | 22.89                  | 22.63                  | 0-1                          | 0        |
|                                       | 1       | 50        | 22.88                  | 22.99                  | 22.82                  |                              | 0        |
|                                       | 1       | 99        | 22.96                  | 22.73                  | 22.83                  |                              | 0        |
|                                       | 50      | 0         | 22.60                  | 22.80                  | 22.61                  | 0-2                          | 0        |
|                                       | 50      | 25        | 22.66                  | 22.71                  | 22.64                  |                              | 0        |
|                                       | 50      | 50        | 22.78                  | 22.71                  | 22.66                  |                              | 0        |
|                                       | 100     | 0         | 22.69                  | 22.74                  | 22.64                  |                              | 0        |
| 64QAM                                 | 1       | 0         | 22.90                  | 22.90                  | 22.70                  | 0-2                          | 0        |
|                                       | 1       | 50        | 22.92                  | 22.87                  | 22.66                  |                              | 0        |
|                                       | 1       | 99        | 22.83                  | 22.82                  | 22.58                  |                              | 0        |
|                                       | 50      | 0         | 21.80                  | 21.89                  | 21.90                  | 0-3                          | 1        |
|                                       | 50      | 25        | 21.94                  | 21.96                  | 21.85                  |                              | 1        |
|                                       | 50      | 50        | 21.88                  | 21.90                  | 21.89                  |                              | 1        |
|                                       | 100     | 0         | 21.95                  | 21.96                  | 21.93                  |                              | 1        |

|                                         |                                                                                                                                                                                                              |                               |                                                                                       |                                 |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  <b>PCTEST</b><br>Proud to be part of  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                                           | DUT Type:<br>Portable Handset |                                                                                       | Page 57 of 227                  |

**Table 9-28**  
**LTE Band 66 (AWS) Antenna 2 Reduced Conducted Powers - 15 MHz Bandwidth**

| LTE Band 66 (AWS)<br>15 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|---------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 132047<br>(1717.5 MHz) | 132322<br>(1745.0 MHz) | 132597<br>(1772.5 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                  | 1       | 0         | 22.52                  | 22.56                  | 22.54                  | 0                            | 0        |
|                                       | 1       | 36        | 22.66                  | 22.65                  | 22.64                  |                              | 0        |
|                                       | 1       | 74        | 22.49                  | 22.48                  | 22.50                  |                              | 0        |
|                                       | 36      | 0         | 22.60                  | 22.65                  | 22.60                  | 0-1                          | 0        |
|                                       | 36      | 18        | 22.67                  | 22.69                  | 22.69                  |                              | 0        |
|                                       | 36      | 37        | 22.64                  | 22.60                  | 22.65                  |                              | 0        |
|                                       | 75      | 0         | 22.67                  | 22.62                  | 22.66                  |                              | 0        |
| 16QAM                                 | 1       | 0         | 22.56                  | 23.09                  | 22.93                  | 0-1                          | 0        |
|                                       | 1       | 36        | 22.66                  | 23.19                  | 23.04                  |                              | 0        |
|                                       | 1       | 74        | 22.51                  | 23.07                  | 22.82                  |                              | 0        |
|                                       | 36      | 0         | 22.60                  | 22.69                  | 22.64                  | 0-2                          | 0        |
|                                       | 36      | 18        | 22.65                  | 22.72                  | 22.73                  |                              | 0        |
|                                       | 36      | 37        | 22.63                  | 22.65                  | 22.70                  |                              | 0        |
|                                       | 75      | 0         | 22.62                  | 22.67                  | 22.68                  |                              | 0        |
| 64QAM                                 | 1       | 0         | 22.50                  | 22.82                  | 22.48                  | 0-2                          | 0        |
|                                       | 1       | 36        | 22.63                  | 22.91                  | 22.63                  |                              | 0        |
|                                       | 1       | 74        | 22.43                  | 22.76                  | 22.41                  |                              | 0        |
|                                       | 36      | 0         | 21.70                  | 21.74                  | 21.67                  | 0-3                          | 1        |
|                                       | 36      | 18        | 21.74                  | 21.74                  | 21.76                  |                              | 1        |
|                                       | 36      | 37        | 21.72                  | 21.69                  | 21.73                  |                              | 1        |
|                                       | 75      | 0         | 21.67                  | 21.59                  | 21.69                  |                              | 1        |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 58 of 227                  |

Table 9-29

## LTE Band 66 (AWS) Antenna 2 Reduced Conducted Powers – 10 MHz Bandwidth

| LTE Band 66 (AWS)<br>10 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|---------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 132022<br>(1715.0 MHz) | 132322<br>(1745.0 MHz) | 132622<br>(1775.0 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                  | 1       | 0         | 22.52                  | 22.56                  | 22.54                  | 0                            | 0        |
|                                       | 1       | 25        | 22.66                  | 22.63                  | 22.56                  |                              | 0        |
|                                       | 1       | 49        | 22.51                  | 22.48                  | 22.50                  |                              | 0        |
|                                       | 25      | 0         | 22.56                  | 22.69                  | 22.65                  | 0-1                          | 0        |
|                                       | 25      | 12        | 22.65                  | 22.65                  | 22.62                  |                              | 0        |
|                                       | 25      | 25        | 22.64                  | 22.63                  | 22.61                  |                              | 0        |
|                                       | 50      | 0         | 22.68                  | 22.69                  | 22.66                  |                              | 0        |
| 16QAM                                 | 1       | 0         | 22.37                  | 22.56                  | 22.56                  | 0-1                          | 0        |
|                                       | 1       | 25        | 22.44                  | 22.59                  | 22.55                  |                              | 0        |
|                                       | 1       | 49        | 22.42                  | 22.54                  | 22.50                  |                              | 0        |
|                                       | 25      | 0         | 22.70                  | 22.76                  | 22.76                  | 0-2                          | 0        |
|                                       | 25      | 12        | 22.79                  | 22.74                  | 22.73                  |                              | 0        |
|                                       | 25      | 25        | 22.78                  | 22.75                  | 22.74                  |                              | 0        |
|                                       | 50      | 0         | 22.74                  | 22.68                  | 22.66                  |                              | 0        |
| 64QAM                                 | 1       | 0         | 22.71                  | 22.83                  | 22.83                  | 0-2                          | 0        |
|                                       | 1       | 25        | 22.80                  | 22.85                  | 22.83                  |                              | 0        |
|                                       | 1       | 49        | 22.76                  | 22.77                  | 22.77                  |                              | 0        |
|                                       | 25      | 0         | 21.66                  | 21.70                  | 21.71                  | 0-3                          | 1        |
|                                       | 25      | 12        | 21.75                  | 21.67                  | 21.66                  |                              | 1        |
|                                       | 25      | 25        | 21.74                  | 21.66                  | 21.66                  |                              | 1        |
|                                       | 50      | 0         | 21.63                  | 21.69                  | 21.67                  |                              | 1        |

|                                         |                                                                                                                                                                                                              |                               |                                                                                       |                                 |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  <b>PCTEST</b><br>Proud to be part of  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                                           | DUT Type:<br>Portable Handset |                                                                                       | Page 59 of 227                  |

**Table 9-30**  
**LTE Band 66 (AWS) Antenna 2 Reduced Conducted Powers – 5 MHz Bandwidth**

| LTE Band 66 (AWS)<br>5 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|--------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 131997<br>(1712.5 MHz) | 132322<br>(1745.0 MHz) | 132647<br>(1777.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                 | 1       | 0         | 22.73                  | 22.59                  | 22.66                  | 0                            | 0        |
|                                      | 1       | 12        | 22.73                  | 22.58                  | 22.66                  |                              | 0        |
|                                      | 1       | 24        | 22.73                  | 22.60                  | 22.62                  |                              | 0        |
|                                      | 12      | 0         | 22.61                  | 22.62                  | 22.67                  | 0-1                          | 0        |
|                                      | 12      | 6         | 22.61                  | 22.61                  | 22.65                  |                              | 0        |
|                                      | 12      | 13        | 22.61                  | 22.54                  | 22.63                  |                              | 0        |
|                                      | 25      | 0         | 22.63                  | 22.55                  | 22.64                  |                              | 0        |
| 16QAM                                | 1       | 0         | 22.74                  | 23.19                  | 22.63                  | 0-1                          | 0        |
|                                      | 1       | 12        | 22.73                  | 23.17                  | 22.61                  |                              | 0        |
|                                      | 1       | 24        | 22.74                  | 23.16                  | 22.58                  |                              | 0        |
|                                      | 12      | 0         | 22.63                  | 22.69                  | 22.78                  | 0-2                          | 0        |
|                                      | 12      | 6         | 22.64                  | 22.69                  | 22.75                  |                              | 0        |
|                                      | 12      | 13        | 22.66                  | 22.64                  | 22.73                  |                              | 0        |
|                                      | 25      | 0         | 22.65                  | 22.71                  | 22.69                  |                              | 0        |
| 64QAM                                | 1       | 0         | 22.75                  | 22.80                  | 23.06                  | 0-2                          | 0        |
|                                      | 1       | 12        | 22.74                  | 22.86                  | 23.10                  |                              | 0        |
|                                      | 1       | 24        | 22.73                  | 22.86                  | 23.12                  |                              | 0        |
|                                      | 12      | 0         | 21.59                  | 21.60                  | 21.75                  | 0-3                          | 1        |
|                                      | 12      | 6         | 21.57                  | 21.56                  | 21.68                  |                              | 1        |
|                                      | 12      | 13        | 21.57                  | 21.55                  | 21.68                  |                              | 1        |
|                                      | 25      | 0         | 21.57                  | 21.61                  | 21.70                  |                              | 1        |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 60 of 227                  |



**Table 9-31**  
**LTE Band 66 (AWS) Antenna 2 Reduced Conducted Powers – 3 MHz Bandwidth**

| LTE Band 66 (AWS)<br>3 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|--------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 131987<br>(1711.5 MHz) | 132322<br>(1745.0 MHz) | 132657<br>(1778.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                 | 1       | 0         | 22.49                  | 22.57                  | 22.63                  | 0                            | 0        |
|                                      | 1       | 7         | 22.53                  | 22.53                  | 22.61                  |                              | 0        |
|                                      | 1       | 14        | 22.55                  | 22.53                  | 22.59                  |                              | 0        |
|                                      | 8       | 0         | 22.59                  | 22.52                  | 22.59                  | 0-1                          | 0        |
|                                      | 8       | 4         | 22.61                  | 22.53                  | 22.64                  |                              | 0        |
|                                      | 8       | 7         | 22.62                  | 22.52                  | 22.60                  |                              | 0        |
|                                      | 15      | 0         | 22.58                  | 22.55                  | 22.61                  |                              | 0        |
| 16QAM                                | 1       | 0         | 22.51                  | 22.92                  | 22.45                  | 0-1                          | 0        |
|                                      | 1       | 7         | 22.51                  | 22.97                  | 22.42                  |                              | 0        |
|                                      | 1       | 14        | 22.48                  | 22.96                  | 22.40                  |                              | 0        |
|                                      | 8       | 0         | 22.60                  | 22.67                  | 22.60                  | 0-2                          | 0        |
|                                      | 8       | 4         | 22.63                  | 22.66                  | 22.60                  |                              | 0        |
|                                      | 8       | 7         | 22.61                  | 22.64                  | 22.61                  |                              | 0        |
|                                      | 15      | 0         | 22.62                  | 22.61                  | 22.59                  |                              | 0        |
| 64QAM                                | 1       | 0         | 22.74                  | 22.44                  | 22.67                  | 0-2                          | 0        |
|                                      | 1       | 7         | 22.77                  | 22.47                  | 22.80                  |                              | 0        |
|                                      | 1       | 14        | 22.80                  | 22.47                  | 22.75                  |                              | 0        |
|                                      | 8       | 0         | 21.67                  | 21.62                  | 21.64                  | 0-3                          | 1        |
|                                      | 8       | 4         | 21.62                  | 21.64                  | 21.61                  |                              | 1        |
|                                      | 8       | 7         | 21.61                  | 21.63                  | 21.59                  |                              | 1        |
|                                      | 15      | 0         | 21.59                  | 21.60                  | 21.62                  |                              | 1        |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 61 of 227                  |

**Table 9-32**  
**LTE Band 66 (AWS) Antenna 2 Reduced Conducted Powers – 1.4 MHz Bandwidth**

| LTE Band 66 (AWS)<br>1.4 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|----------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                             | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                        |         |           | 131979<br>(1710.7 MHz) | 132322<br>(1745.0 MHz) | 132665<br>(1779.3 MHz) |                              |          |
|                                        |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                   | 1       | 0         | 22.63                  | 22.55                  | 22.58                  | 0                            | 0        |
|                                        | 1       | 2         | 22.59                  | 22.49                  | 22.57                  |                              | 0        |
|                                        | 1       | 5         | 22.60                  | 22.48                  | 22.60                  |                              | 0        |
|                                        | 3       | 0         | 22.54                  | 22.54                  | 22.61                  |                              | 0        |
|                                        | 3       | 2         | 22.55                  | 22.53                  | 22.63                  |                              | 0        |
|                                        | 3       | 3         | 22.54                  | 22.54                  | 22.62                  |                              | 0        |
|                                        | 6       | 0         | 22.61                  | 22.55                  | 22.61                  | 0-1                          | 0        |
| 16QAM                                  | 1       | 0         | 22.65                  | 23.00                  | 22.43                  | 0-1                          | 0        |
|                                        | 1       | 2         | 22.41                  | 22.97                  | 22.35                  |                              | 0        |
|                                        | 1       | 5         | 22.42                  | 22.95                  | 22.38                  |                              | 0        |
|                                        | 3       | 0         | 22.70                  | 22.90                  | 22.68                  |                              | 0        |
|                                        | 3       | 2         | 22.75                  | 22.89                  | 22.71                  |                              | 0        |
|                                        | 3       | 3         | 22.77                  | 22.87                  | 22.73                  |                              | 0        |
|                                        | 6       | 0         | 22.81                  | 22.47                  | 22.73                  | 0-2                          | 0        |
| 64QAM                                  | 1       | 0         | 22.56                  | 22.49                  | 22.73                  | 0-2                          | 0        |
|                                        | 1       | 2         | 22.75                  | 22.51                  | 22.71                  |                              | 0        |
|                                        | 1       | 5         | 22.74                  | 22.45                  | 22.71                  |                              | 0        |
|                                        | 3       | 0         | 22.83                  | 22.61                  | 22.70                  |                              | 0        |
|                                        | 3       | 2         | 22.84                  | 22.63                  | 22.68                  |                              | 0        |
|                                        | 3       | 3         | 22.86                  | 22.64                  | 22.70                  |                              | 0        |
|                                        | 6       | 0         | 21.57                  | 21.84                  | 21.73                  | 0-3                          | 1        |

|                                         |                                                                                     |                               |                                                                                       |                                 |
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| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 62 of 227                  |

**Table 9-33**  
**LTE Band 66 (AWS) Antenna 3 Maximum Conducted Powers - 20 MHz Bandwidth**

| LTE Band 66 (AWS)<br>20 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|---------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 132072<br>(1720.0 MHz) | 132322<br>(1745.0 MHz) | 132572<br>(1770.0 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                  | 1       | 0         | 23.45                  | 23.45                  | 23.41                  | 0                            | 0        |
|                                       | 1       | 50        | 23.49                  | 23.50                  | 23.49                  |                              | 0        |
|                                       | 1       | 99        | 23.47                  | 23.43                  | 23.42                  |                              | 0        |
|                                       | 50      | 0         | 22.43                  | 22.50                  | 22.42                  | 0-1                          | 1        |
|                                       | 50      | 25        | 22.49                  | 22.49                  | 22.46                  |                              | 1        |
|                                       | 50      | 50        | 22.46                  | 22.41                  | 22.39                  |                              | 1        |
|                                       | 100     | 0         | 22.49                  | 22.48                  | 22.43                  |                              | 1        |
| 16QAM                                 | 1       | 0         | 22.20                  | 22.24                  | 22.14                  | 0-1                          | 1        |
|                                       | 1       | 50        | 22.28                  | 22.35                  | 22.24                  |                              | 1        |
|                                       | 1       | 99        | 22.22                  | 22.20                  | 22.16                  |                              | 1        |
|                                       | 50      | 0         | 21.42                  | 21.46                  | 21.39                  | 0-2                          | 2        |
|                                       | 50      | 25        | 21.47                  | 21.50                  | 21.40                  |                              | 2        |
|                                       | 50      | 50        | 21.43                  | 21.39                  | 21.36                  |                              | 2        |
|                                       | 100     | 0         | 21.48                  | 21.47                  | 21.41                  |                              | 2        |
| 64QAM                                 | 1       | 0         | 21.46                  | 21.50                  | 21.43                  | 0-2                          | 2        |
|                                       | 1       | 50        | 21.50                  | 21.50                  | 21.49                  |                              | 2        |
|                                       | 1       | 99        | 21.49                  | 21.44                  | 21.46                  |                              | 2        |
|                                       | 50      | 0         | 20.40                  | 20.46                  | 20.38                  | 0-3                          | 3        |
|                                       | 50      | 25        | 20.44                  | 20.50                  | 20.40                  |                              | 3        |
|                                       | 50      | 50        | 20.41                  | 20.38                  | 20.35                  |                              | 3        |
|                                       | 100     | 0         | 20.45                  | 20.44                  | 20.39                  |                              | 3        |

|                                                |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset | Page 63 of 227                                                                        |                                        |

Table 9-34

## LTE Band 66 (AWS) Antenna 3 Maximum Conducted Powers - 15 MHz Bandwidth

| LTE Band 66 (AWS)<br>15 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|---------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 132047<br>(1717.5 MHz) | 132322<br>(1745.0 MHz) | 132597<br>(1772.5 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                  | 1       | 0         | 23.49                  | 23.50                  | 23.43                  | 0                            | 0        |
|                                       | 1       | 36        | 23.50                  | 23.50                  | 23.50                  |                              | 0        |
|                                       | 1       | 74        | 23.48                  | 23.49                  | 23.42                  |                              | 0        |
|                                       | 36      | 0         | 22.47                  | 22.48                  | 22.43                  | 0-1                          | 1        |
|                                       | 36      | 18        | 22.48                  | 22.49                  | 22.44                  |                              | 1        |
|                                       | 36      | 37        | 22.45                  | 22.43                  | 22.39                  |                              | 1        |
|                                       | 75      | 0         | 22.49                  | 22.48                  | 22.45                  |                              | 1        |
| 16QAM                                 | 1       | 0         | 22.22                  | 22.28                  | 22.23                  | 0-1                          | 1        |
|                                       | 1       | 36        | 22.34                  | 22.31                  | 22.30                  |                              | 1        |
|                                       | 1       | 74        | 22.15                  | 22.26                  | 22.24                  |                              | 1        |
|                                       | 36      | 0         | 21.46                  | 21.49                  | 21.45                  | 0-2                          | 2        |
|                                       | 36      | 18        | 21.47                  | 21.49                  | 21.44                  |                              | 2        |
|                                       | 36      | 37        | 21.44                  | 21.44                  | 21.39                  |                              | 2        |
|                                       | 75      | 0         | 21.48                  | 21.48                  | 21.42                  |                              | 2        |
| 64QAM                                 | 1       | 0         | 21.50                  | 21.47                  | 21.49                  | 0-2                          | 2        |
|                                       | 1       | 36        | 21.49                  | 21.50                  | 21.50                  |                              | 2        |
|                                       | 1       | 74        | 21.48                  | 21.49                  | 21.48                  |                              | 2        |
|                                       | 36      | 0         | 20.46                  | 20.49                  | 20.44                  | 0-3                          | 3        |
|                                       | 36      | 18        | 20.50                  | 20.50                  | 20.45                  |                              | 3        |
|                                       | 36      | 37        | 20.46                  | 20.45                  | 20.40                  |                              | 3        |
|                                       | 75      | 0         | 20.47                  | 20.46                  | 20.42                  |                              | 3        |

|                                         |                                                                                                                                                                                                              |                               |                                                                                       |                                 |
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| FCC ID: ZNFG900TM                       |  <b>PCTEST</b><br>Proud to be part of  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                                           | DUT Type:<br>Portable Handset |                                                                                       | Page 64 of 227                  |

**Table 9-35**  
**LTE Band 66 (AWS) Antenna 3 Maximum Conducted Powers - 10 MHz Bandwidth**

| LTE Band 66 (AWS)<br>10 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|---------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 132022<br>(1715.0 MHz) | 132322<br>(1745.0 MHz) | 132622<br>(1775.0 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                  | 1       | 0         | 23.49                  | 23.50                  | 23.48                  | 0                            | 0        |
|                                       | 1       | 25        | 23.50                  | 23.49                  | 23.50                  |                              | 0        |
|                                       | 1       | 49        | 23.49                  | 23.48                  | 23.43                  |                              | 0        |
|                                       | 25      | 0         | 22.50                  | 22.50                  | 22.49                  | 0-1                          | 1        |
|                                       | 25      | 12        | 22.48                  | 22.47                  | 22.46                  |                              | 1        |
|                                       | 25      | 25        | 22.47                  | 22.49                  | 22.41                  |                              | 1        |
|                                       | 50      | 0         | 22.49                  | 22.50                  | 22.46                  |                              | 1        |
| 16QAM                                 | 1       | 0         | 22.32                  | 22.38                  | 22.23                  | 0-1                          | 1        |
|                                       | 1       | 25        | 22.34                  | 22.33                  | 22.26                  |                              | 1        |
|                                       | 1       | 49        | 22.32                  | 22.36                  | 22.32                  |                              | 1        |
|                                       | 25      | 0         | 21.49                  | 21.50                  | 21.50                  | 0-2                          | 2        |
|                                       | 25      | 12        | 21.50                  | 21.49                  | 21.49                  |                              | 2        |
|                                       | 25      | 25        | 21.44                  | 21.48                  | 21.40                  |                              | 2        |
|                                       | 50      | 0         | 21.47                  | 21.49                  | 21.42                  |                              | 2        |
| 64QAM                                 | 1       | 0         | 21.49                  | 21.48                  | 21.50                  | 0-2                          | 2        |
|                                       | 1       | 25        | 21.50                  | 21.50                  | 21.50                  |                              | 2        |
|                                       | 1       | 49        | 21.50                  | 21.50                  | 21.49                  |                              | 2        |
|                                       | 25      | 0         | 20.48                  | 20.49                  | 20.50                  | 0-3                          | 3        |
|                                       | 25      | 12        | 20.50                  | 20.48                  | 20.46                  |                              | 3        |
|                                       | 25      | 25        | 20.49                  | 20.49                  | 20.40                  |                              | 3        |
|                                       | 50      | 0         | 20.50                  | 20.47                  | 20.43                  |                              | 3        |

|                                                |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset | Page 65 of 227                                                                        |                                        |

**Table 9-36**  
**LTE Band 66 (AWS) Antenna 3 Maximum Conducted Powers - 5 MHz Bandwidth**

| LTE Band 66 (AWS)<br>5 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|--------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 131997<br>(1712.5 MHz) | 132322<br>(1745.0 MHz) | 132647<br>(1777.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                 | 1       | 0         | 23.49                  | 23.50                  | 23.45                  | 0                            | 0        |
|                                      | 1       | 12        | 23.50                  | 23.49                  | 23.42                  |                              | 0        |
|                                      | 1       | 24        | 23.48                  | 23.47                  | 23.41                  |                              | 0        |
|                                      | 12      | 0         | 22.48                  | 22.45                  | 22.35                  | 0-1                          | 1        |
|                                      | 12      | 6         | 22.50                  | 22.43                  | 22.34                  |                              | 1        |
|                                      | 12      | 13        | 22.47                  | 22.41                  | 22.37                  |                              | 1        |
|                                      | 25      | 0         | 22.50                  | 22.47                  | 22.38                  |                              | 1        |
| 16QAM                                | 1       | 0         | 22.26                  | 22.27                  | 22.22                  | 0-1                          | 1        |
|                                      | 1       | 12        | 22.31                  | 22.29                  | 22.24                  |                              | 1        |
|                                      | 1       | 24        | 22.25                  | 22.22                  | 22.25                  |                              | 1        |
|                                      | 12      | 0         | 21.49                  | 21.47                  | 21.37                  | 0-2                          | 2        |
|                                      | 12      | 6         | 21.47                  | 21.43                  | 21.42                  |                              | 2        |
|                                      | 12      | 13        | 21.50                  | 21.42                  | 21.38                  |                              | 2        |
|                                      | 25      | 0         | 21.49                  | 21.43                  | 21.40                  |                              | 2        |
| 64QAM                                | 1       | 0         | 21.48                  | 21.50                  | 21.49                  | 0-2                          | 2        |
|                                      | 1       | 12        | 21.50                  | 21.49                  | 21.50                  |                              | 2        |
|                                      | 1       | 24        | 21.49                  | 21.50                  | 21.50                  |                              | 2        |
|                                      | 12      | 0         | 20.39                  | 20.39                  | 20.38                  | 0-3                          | 3        |
|                                      | 12      | 6         | 20.36                  | 20.40                  | 20.35                  |                              | 3        |
|                                      | 12      | 13        | 20.48                  | 20.35                  | 20.36                  |                              | 3        |
|                                      | 25      | 0         | 20.50                  | 20.46                  | 20.41                  |                              | 3        |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 66 of 227                  |

Table 9-37

## LTE Band 66 (AWS) Antenna 3 Maximum Conducted Powers - 3 MHz Bandwidth

| LTE Band 66 (AWS)<br>3 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|--------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 131987<br>(1711.5 MHz) | 132322<br>(1745.0 MHz) | 132657<br>(1778.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                 | 1       | 0         | 23.42                  | 23.46                  | 23.37                  | 0                            | 0        |
|                                      | 1       | 7         | 23.46                  | 23.49                  | 23.44                  |                              | 0        |
|                                      | 1       | 14        | 23.50                  | 23.50                  | 23.39                  |                              | 0        |
|                                      | 8       | 0         | 22.47                  | 22.41                  | 22.37                  | 0-1                          | 1        |
|                                      | 8       | 4         | 22.46                  | 22.44                  | 22.36                  |                              | 1        |
|                                      | 8       | 7         | 22.47                  | 22.42                  | 22.35                  |                              | 1        |
|                                      | 15      | 0         | 22.45                  | 22.44                  | 22.34                  |                              | 1        |
| 16QAM                                | 1       | 0         | 22.19                  | 22.27                  | 22.16                  | 0-1                          | 1        |
|                                      | 1       | 7         | 22.25                  | 22.28                  | 22.20                  |                              | 1        |
|                                      | 1       | 14        | 22.28                  | 22.36                  | 22.10                  |                              | 1        |
|                                      | 8       | 0         | 21.44                  | 21.46                  | 21.38                  | 0-2                          | 2        |
|                                      | 8       | 4         | 21.42                  | 21.44                  | 21.34                  |                              | 2        |
|                                      | 8       | 7         | 21.45                  | 21.43                  | 21.32                  |                              | 2        |
|                                      | 15      | 0         | 21.46                  | 21.40                  | 21.31                  |                              | 2        |
| 64QAM                                | 1       | 0         | 21.50                  | 21.50                  | 21.48                  | 0-2                          | 2        |
|                                      | 1       | 7         | 21.49                  | 21.49                  | 21.50                  |                              | 2        |
|                                      | 1       | 14        | 21.48                  | 21.48                  | 21.49                  |                              | 2        |
|                                      | 8       | 0         | 20.44                  | 20.44                  | 20.36                  | 0-3                          | 3        |
|                                      | 8       | 4         | 20.42                  | 20.41                  | 20.31                  |                              | 3        |
|                                      | 8       | 7         | 20.45                  | 20.43                  | 20.30                  |                              | 3        |
|                                      | 15      | 0         | 20.46                  | 20.40                  | 20.32                  |                              | 3        |

|                                         |                                                                                                                                                                                                              |                               |                                                                                       |                                 |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  <b>PCTEST</b><br>Proud to be part of  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                                           | DUT Type:<br>Portable Handset |                                                                                       | Page 67 of 227                  |

**Table 9-38**  
**LTE Band 66 (AWS) Antenna 3 Maximum Conducted Powers - 1.4 MHz Bandwidth**

| LTE Band 66 (AWS)<br>1.4 MHz Bandwidth |         |           |                        |                        |                        |                              |          |
|----------------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------|----------|
| Modulation                             | RB Size | RB Offset | Low Channel            | Mid Channel            | High Channel           | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                        |         |           | 131979<br>(1710.7 MHz) | 132322<br>(1745.0 MHz) | 132665<br>(1779.3 MHz) |                              |          |
|                                        |         |           | Conducted Power [dBm]  |                        |                        |                              |          |
| QPSK                                   | 1       | 0         | 23.46                  | 23.44                  | 23.39                  | 0                            | 0        |
|                                        | 1       | 2         | 23.44                  | 23.47                  | 23.33                  |                              | 0        |
|                                        | 1       | 5         | 23.36                  | 23.50                  | 23.43                  |                              | 0        |
|                                        | 3       | 0         | 23.47                  | 23.39                  | 23.39                  |                              | 0        |
|                                        | 3       | 2         | 23.42                  | 23.38                  | 23.34                  |                              | 0        |
|                                        | 3       | 3         | 23.41                  | 23.42                  | 23.37                  |                              | 0        |
|                                        | 6       | 0         | 22.43                  | 22.39                  | 22.36                  | 0-1                          | 1        |
| 16QAM                                  | 1       | 0         | 22.19                  | 22.21                  | 22.10                  | 0-1                          | 1        |
|                                        | 1       | 2         | 22.17                  | 22.27                  | 22.16                  |                              | 1        |
|                                        | 1       | 5         | 22.26                  | 22.25                  | 22.20                  |                              | 1        |
|                                        | 3       | 0         | 22.05                  | 22.03                  | 22.00                  |                              | 1        |
|                                        | 3       | 2         | 22.02                  | 22.04                  | 21.97                  |                              | 1        |
|                                        | 3       | 3         | 22.03                  | 22.05                  | 21.96                  |                              | 1        |
|                                        | 6       | 0         | 21.38                  | 21.39                  | 21.33                  | 0-2                          | 2        |
| 64QAM                                  | 1       | 0         | 21.50                  | 21.50                  | 21.49                  | 0-2                          | 2        |
|                                        | 1       | 2         | 21.49                  | 21.49                  | 21.50                  |                              | 2        |
|                                        | 1       | 5         | 21.49                  | 21.50                  | 21.48                  |                              | 2        |
|                                        | 3       | 0         | 21.35                  | 21.37                  | 21.33                  |                              | 2        |
|                                        | 3       | 2         | 21.37                  | 21.38                  | 21.24                  |                              | 2        |
|                                        | 3       | 3         | 21.34                  | 21.33                  | 21.27                  |                              | 2        |
|                                        | 6       | 0         | 20.35                  | 20.34                  | 20.26                  | 0-3                          | 3        |

|                                                |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset | Page 68 of 227                                                                        |                                        |



## 9.4.6

## LTE Band 2

Table 9-39

### LTE Band 2 (PCS) Antenna 3 Maximum Conducted Powers - 20 MHz Bandwidth

| LTE Band 2 (PCS)<br>20 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 18700<br>(1860.0 MHz) | 18900<br>(1880.0 MHz) | 19100<br>(1900.0 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 23.20                 | 23.03                 | 23.27                 | 0                            | 0        |
|                                      | 1       | 50        | 23.39                 | 23.21                 | 23.50                 |                              | 0        |
|                                      | 1       | 99        | 23.28                 | 23.07                 | 23.41                 |                              | 0        |
|                                      | 50      | 0         | 22.37                 | 22.08                 | 22.32                 | 0-1                          | 1        |
|                                      | 50      | 25        | 22.35                 | 22.07                 | 22.38                 |                              | 1        |
|                                      | 50      | 50        | 22.36                 | 22.00                 | 22.27                 |                              | 1        |
|                                      | 100     | 0         | 22.31                 | 22.02                 | 22.36                 |                              | 1        |
| 16QAM                                | 1       | 0         | 22.03                 | 21.76                 | 22.04                 | 0-1                          | 1        |
|                                      | 1       | 50        | 22.15                 | 21.85                 | 22.33                 |                              | 1        |
|                                      | 1       | 99        | 22.08                 | 22.12                 | 22.25                 |                              | 1        |
|                                      | 50      | 0         | 21.34                 | 21.29                 | 21.31                 | 0-2                          | 2        |
|                                      | 50      | 25        | 21.32                 | 21.30                 | 21.40                 |                              | 2        |
|                                      | 50      | 50        | 21.33                 | 21.23                 | 21.25                 |                              | 2        |
|                                      | 100     | 0         | 21.28                 | 21.25                 | 21.35                 |                              | 2        |
| 64QAM                                | 1       | 0         | 21.42                 | 21.48                 | 21.44                 | 0-2                          | 2        |
|                                      | 1       | 50        | 21.50                 | 21.50                 | 21.50                 |                              | 2        |
|                                      | 1       | 99        | 21.48                 | 21.49                 | 21.50                 |                              | 2        |
|                                      | 50      | 0         | 20.32                 | 20.27                 | 20.29                 | 0-3                          | 3        |
|                                      | 50      | 25        | 20.30                 | 20.26                 | 20.36                 |                              | 3        |
|                                      | 50      | 50        | 20.32                 | 20.22                 | 20.23                 |                              | 3        |
|                                      | 100     | 0         | 20.29                 | 20.24                 | 20.31                 |                              | 3        |

|                                         |                                                                                                                                                                                                                        |                               |                                                                                                 |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  <b>PCTEST</b><br>Proud to be part of  <b>LG</b> | SAR EVALUATION REPORT         |  <b>LG</b> | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                                                     | DUT Type:<br>Portable Handset |                                                                                                 | Page 69 of 227                  |

**Table 9-40**  
**LTE Band 2 (PCS) Antenna 3 Maximum Conducted Powers - 15 MHz Bandwidth**

| LTE Band 2 (PCS)<br>15 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 18675<br>(1857.5 MHz) | 18900<br>(1880.0 MHz) | 19125<br>(1902.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 23.22                 | 23.11                 | 23.40                 | 0                            | 0        |
|                                      | 1       | 36        | 23.34                 | 23.28                 | 23.41                 |                              | 0        |
|                                      | 1       | 74        | 23.33                 | 23.27                 | 23.45                 |                              | 0        |
|                                      | 36      | 0         | 22.29                 | 22.20                 | 22.31                 | 0-1                          | 1        |
|                                      | 36      | 18        | 22.27                 | 22.19                 | 22.35                 |                              | 1        |
|                                      | 36      | 37        | 22.28                 | 22.18                 | 22.30                 |                              | 1        |
|                                      | 75      | 0         | 22.27                 | 22.16                 | 22.35                 |                              | 1        |
| 16QAM                                | 1       | 0         | 22.09                 | 21.98                 | 22.17                 | 0-1                          | 1        |
|                                      | 1       | 36        | 22.13                 | 22.01                 | 22.25                 |                              | 1        |
|                                      | 1       | 74        | 22.08                 | 22.05                 | 22.30                 |                              | 1        |
|                                      | 36      | 0         | 21.29                 | 21.21                 | 21.33                 | 0-2                          | 2        |
|                                      | 36      | 18        | 21.28                 | 21.15                 | 21.35                 |                              | 2        |
|                                      | 36      | 37        | 21.28                 | 21.17                 | 21.32                 |                              | 2        |
|                                      | 75      | 0         | 21.29                 | 21.18                 | 21.36                 |                              | 2        |
| 64QAM                                | 1       | 0         | 21.44                 | 21.48                 | 21.50                 | 0-2                          | 2        |
|                                      | 1       | 36        | 21.50                 | 21.50                 | 21.49                 |                              | 2        |
|                                      | 1       | 74        | 21.49                 | 21.49                 | 21.50                 |                              | 2        |
|                                      | 36      | 0         | 20.29                 | 20.28                 | 20.33                 | 0-3                          | 3        |
|                                      | 36      | 18        | 20.27                 | 20.27                 | 20.34                 |                              | 3        |
|                                      | 36      | 37        | 20.28                 | 20.27                 | 20.30                 |                              | 3        |
|                                      | 75      | 0         | 20.24                 | 20.23                 | 20.31                 |                              | 3        |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 70 of 227                  |

**Table 9-41**  
**LTE Band 2 (PCS) Antenna 3 Maximum Conducted Powers - 10 MHz Bandwidth**

| LTE Band 2 (PCS)<br>10 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 18650<br>(1855.0 MHz) | 18900<br>(1880.0 MHz) | 19150<br>(1905.0 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 23.33                 | 23.35                 | 23.49                 | 0                            | 0        |
|                                      | 1       | 25        | 23.36                 | 23.40                 | 23.50                 |                              | 0        |
|                                      | 1       | 49        | 23.32                 | 23.36                 | 23.49                 |                              | 0        |
|                                      | 25      | 0         | 22.31                 | 22.34                 | 22.43                 | 0-1                          | 1        |
|                                      | 25      | 12        | 22.30                 | 22.32                 | 22.40                 |                              | 1        |
|                                      | 25      | 25        | 22.28                 | 22.24                 | 22.32                 |                              | 1        |
|                                      | 50      | 0         | 22.34                 | 22.33                 | 22.43                 |                              | 1        |
| 16QAM                                | 1       | 0         | 22.13                 | 22.12                 | 22.22                 | 0-1                          | 1        |
|                                      | 1       | 25        | 22.15                 | 22.17                 | 22.34                 |                              | 1        |
|                                      | 1       | 49        | 22.17                 | 22.18                 | 22.38                 |                              | 1        |
|                                      | 25      | 0         | 21.28                 | 21.33                 | 21.41                 | 0-2                          | 2        |
|                                      | 25      | 12        | 21.27                 | 21.27                 | 21.40                 |                              | 2        |
|                                      | 25      | 25        | 21.24                 | 21.24                 | 21.30                 |                              | 2        |
|                                      | 50      | 0         | 21.30                 | 21.30                 | 21.42                 |                              | 2        |
| 64QAM                                | 1       | 0         | 21.50                 | 21.42                 | 21.49                 | 0-2                          | 2        |
|                                      | 1       | 25        | 21.49                 | 21.50                 | 21.50                 |                              | 2        |
|                                      | 1       | 49        | 21.50                 | 21.49                 | 21.50                 |                              | 2        |
|                                      | 25      | 0         | 20.30                 | 20.33                 | 20.41                 | 0-3                          | 3        |
|                                      | 25      | 12        | 20.29                 | 20.33                 | 20.39                 |                              | 3        |
|                                      | 25      | 25        | 20.25                 | 20.26                 | 20.31                 |                              | 3        |
|                                      | 50      | 0         | 20.30                 | 20.30                 | 20.40                 |                              | 3        |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 71 of 227                  |

**Table 9-42**  
**LTE Band 2 (PCS) Antenna 3 Maximum Conducted Powers - 5 MHz Bandwidth**

| LTE Band 2 (PCS)<br>5 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|-------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                          | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                     |         |           | 18625<br>(1852.5 MHz) | 18900<br>(1880.0 MHz) | 19175<br>(1907.5 MHz) |                              |          |
|                                     |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                | 1       | 0         | 23.32                 | 23.35                 | 23.49                 | 0                            | 0        |
|                                     | 1       | 12        | 23.34                 | 23.37                 | 23.40                 |                              | 0        |
|                                     | 1       | 24        | 23.30                 | 23.33                 | 23.50                 |                              | 0        |
|                                     | 12      | 0         | 22.27                 | 22.35                 | 22.41                 | 0-1                          | 1        |
|                                     | 12      | 6         | 22.32                 | 22.31                 | 22.39                 |                              | 1        |
|                                     | 12      | 13        | 22.21                 | 22.27                 | 22.31                 |                              | 1        |
|                                     | 25      | 0         | 22.28                 | 22.31                 | 22.42                 |                              | 1        |
| 16QAM                               | 1       | 0         | 22.03                 | 22.17                 | 22.26                 | 0-1                          | 1        |
|                                     | 1       | 12        | 22.15                 | 22.16                 | 22.22                 |                              | 1        |
|                                     | 1       | 24        | 22.02                 | 22.13                 | 22.31                 |                              | 1        |
|                                     | 12      | 0         | 21.28                 | 21.38                 | 21.40                 | 0-2                          | 2        |
|                                     | 12      | 6         | 21.27                 | 21.31                 | 21.37                 |                              | 2        |
|                                     | 12      | 13        | 21.19                 | 21.24                 | 21.31                 |                              | 2        |
|                                     | 25      | 0         | 21.29                 | 21.35                 | 21.38                 |                              | 2        |
| 64QAM                               | 1       | 0         | 21.44                 | 21.50                 | 21.50                 | 0-2                          | 2        |
|                                     | 1       | 12        | 21.50                 | 21.49                 | 21.50                 |                              | 2        |
|                                     | 1       | 24        | 21.48                 | 21.50                 | 21.49                 |                              | 2        |
|                                     | 12      | 0         | 20.29                 | 20.29                 | 20.40                 | 0-3                          | 3        |
|                                     | 12      | 6         | 20.28                 | 20.32                 | 20.35                 |                              | 3        |
|                                     | 12      | 13        | 20.19                 | 20.21                 | 20.25                 |                              | 3        |
|                                     | 25      | 0         | 20.24                 | 20.30                 | 20.37                 |                              | 3        |

|                                                |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset | Page 72 of 227                                                                        |                                        |

**Table 9-43**  
**LTE Band 2 (PCS) Antenna 3 Maximum Conducted Powers - 3 MHz Bandwidth**

| LTE Band 2 (PCS)<br>3 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|-------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                          | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                     |         |           | 18615<br>(1851.5 MHz) | 18900<br>(1880.0 MHz) | 19185<br>(1908.5 MHz) |                              |          |
|                                     |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                | 1       | 0         | 23.17                 | 23.28                 | 23.37                 | 0                            | 0        |
|                                     | 1       | 7         | 23.26                 | 23.32                 | 23.46                 |                              | 0        |
|                                     | 1       | 14        | 23.25                 | 23.26                 | 23.45                 |                              | 0        |
|                                     | 8       | 0         | 22.25                 | 22.26                 | 22.34                 | 0-1                          | 1        |
|                                     | 8       | 4         | 22.23                 | 22.23                 | 22.39                 |                              | 1        |
|                                     | 8       | 7         | 22.26                 | 22.21                 | 22.37                 |                              | 1        |
|                                     | 15      | 0         | 22.23                 | 22.22                 | 22.34                 |                              | 1        |
| 16QAM                               | 1       | 0         | 22.04                 | 22.05                 | 22.16                 | 0-1                          | 1        |
|                                     | 1       | 7         | 22.08                 | 22.18                 | 22.28                 |                              | 1        |
|                                     | 1       | 14        | 22.06                 | 22.13                 | 22.21                 |                              | 1        |
|                                     | 8       | 0         | 21.24                 | 21.28                 | 21.33                 | 0-2                          | 2        |
|                                     | 8       | 4         | 21.23                 | 21.21                 | 21.39                 |                              | 2        |
|                                     | 8       | 7         | 21.24                 | 21.22                 | 21.36                 |                              | 2        |
|                                     | 15      | 0         | 21.25                 | 21.21                 | 21.33                 |                              | 2        |
| 64QAM                               | 1       | 0         | 21.35                 | 21.44                 | 21.48                 | 0-2                          | 2        |
|                                     | 1       | 7         | 21.44                 | 21.50                 | 21.50                 |                              | 2        |
|                                     | 1       | 14        | 21.47                 | 21.43                 | 21.49                 |                              | 2        |
|                                     | 8       | 0         | 20.21                 | 20.24                 | 20.35                 | 0-3                          | 3        |
|                                     | 8       | 4         | 20.23                 | 20.19                 | 20.36                 |                              | 3        |
|                                     | 8       | 7         | 20.22                 | 20.25                 | 20.38                 |                              | 3        |
|                                     | 15      | 0         | 20.23                 | 20.24                 | 20.32                 |                              | 3        |

|                                                |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset | Page 73 of 227                                                                        |                                        |

**Table 9-44**  
**LTE Band 2 (PCS) Antenna 3 Maximum Conducted Powers - 1.4 MHz Bandwidth**

| LTE Band 2 (PCS)<br>1.4 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|---------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 18607<br>(1850.7 MHz) | 18900<br>(1880.0 MHz) | 19193<br>(1909.3 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                  | 1       | 0         | 23.27                 | 23.32                 | 23.42                 | 0                            | 0        |
|                                       | 1       | 2         | 23.26                 | 23.29                 | 23.48                 |                              | 0        |
|                                       | 1       | 5         | 23.25                 | 23.28                 | 23.46                 |                              | 0        |
|                                       | 3       | 0         | 23.27                 | 23.29                 | 23.41                 |                              | 0        |
|                                       | 3       | 2         | 23.23                 | 23.25                 | 23.39                 |                              | 0        |
|                                       | 3       | 3         | 23.24                 | 23.30                 | 23.38                 |                              | 0        |
|                                       | 6       | 0         | 22.22                 | 22.29                 | 22.40                 |                              | 0-1      |
| 16QAM                                 | 1       | 0         | 22.06                 | 22.13                 | 22.25                 | 0-1                          | 1        |
|                                       | 1       | 2         | 22.05                 | 22.12                 | 22.23                 |                              | 1        |
|                                       | 1       | 5         | 22.07                 | 22.13                 | 22.26                 |                              | 1        |
|                                       | 3       | 0         | 21.83                 | 21.92                 | 21.99                 |                              | 1        |
|                                       | 3       | 2         | 21.81                 | 21.87                 | 21.97                 |                              | 1        |
|                                       | 3       | 3         | 21.85                 | 21.88                 | 22.01                 |                              | 1        |
|                                       | 6       | 0         | 21.20                 | 21.27                 | 21.36                 | 0-2                          | 2        |
| 64QAM                                 | 1       | 0         | 21.39                 | 21.50                 | 21.47                 | 0-2                          | 2        |
|                                       | 1       | 2         | 21.42                 | 21.49                 | 21.50                 |                              | 2        |
|                                       | 1       | 5         | 21.39                 | 21.48                 | 21.48                 |                              | 2        |
|                                       | 3       | 0         | 21.18                 | 21.23                 | 21.33                 |                              | 2        |
|                                       | 3       | 2         | 21.15                 | 21.18                 | 21.31                 |                              | 2        |
|                                       | 3       | 3         | 21.18                 | 21.17                 | 21.30                 |                              | 2        |
|                                       | 6       | 0         | 20.15                 | 20.21                 | 20.29                 | 0-3                          | 3        |

|                                                |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset | Page 74 of 227                                                                        |                                        |

## 9.4.7

## LTE Band 25

Table 9-45

## LTE Band 25 (PCS) Maximum Conducted Powers - 20 MHz Bandwidth

| LTE Band 25 (PCS)<br>20 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|---------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 26140<br>(1860.0 MHz) | 26365<br>(1882.5 MHz) | 26590<br>(1905.0 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                  | 1       | 0         | 24.66                 | 25.04                 | 24.97                 | 0                            | 0        |
|                                       | 1       | 50        | 24.77                 | 25.13                 | 25.17                 |                              | 0        |
|                                       | 1       | 99        | 24.74                 | 25.04                 | 25.12                 |                              | 0        |
|                                       | 50      | 0         | 23.94                 | 24.03                 | 24.07                 | 0-1                          | 1        |
|                                       | 50      | 25        | 23.97                 | 24.00                 | 24.02                 |                              | 1        |
|                                       | 50      | 50        | 24.03                 | 24.03                 | 23.95                 |                              | 1        |
| 16QAM                                 | 100     | 0         | 23.93                 | 23.98                 | 23.99                 | 1                            |          |
|                                       | 1       | 0         | 23.65                 | 23.92                 | 23.86                 | 0-1                          | 1        |
|                                       | 1       | 50        | 23.70                 | 23.99                 | 24.02                 |                              | 1        |
|                                       | 1       | 99        | 23.69                 | 23.94                 | 23.90                 |                              | 1        |
|                                       | 50      | 0         | 22.91                 | 23.02                 | 23.06                 | 0-2                          | 2        |
|                                       | 50      | 25        | 22.96                 | 22.99                 | 23.02                 |                              | 2        |
|                                       | 50      | 50        | 23.00                 | 23.02                 | 22.94                 |                              | 2        |
| 100                                   | 0       | 22.91     | 22.97                 | 23.00                 | 2                     |                              |          |
| 64QAM                                 | 1       | 0         | 23.05                 | 22.99                 | 22.91                 | 0-2                          | 2        |
|                                       | 1       | 50        | 23.13                 | 23.04                 | 23.09                 |                              | 2        |
|                                       | 1       | 99        | 23.11                 | 22.98                 | 23.01                 |                              | 2        |
|                                       | 50      | 0         | 21.88                 | 22.04                 | 22.10                 | 0-3                          | 3        |
|                                       | 50      | 25        | 21.92                 | 22.02                 | 22.07                 |                              | 3        |
|                                       | 50      | 50        | 21.97                 | 22.05                 | 21.98                 |                              | 3        |
|                                       | 100     | 0         | 21.87                 | 21.98                 | 22.00                 |                              | 3        |

|                                         |                                                                                                                                                                                                              |                               |                                                                                       |                                 |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  <b>PCTEST</b><br>Proud to be part of  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                                           | DUT Type:<br>Portable Handset |                                                                                       | Page 75 of 227                  |

**Table 9-46**  
**LTE Band 25 (PCS) Maximum Conducted Powers - 15 MHz Bandwidth**

| LTE Band 25 (PCS)<br>15 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|---------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 26115<br>(1857.5 MHz) | 26365<br>(1882.5 MHz) | 26615<br>(1907.5 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                  | 1       | 0         | 25.11                 | 25.07                 | 25.18                 | 0                            | 0        |
|                                       | 1       | 36        | 25.14                 | 25.12                 | 25.20                 |                              | 0        |
|                                       | 1       | 74        | 25.17                 | 25.08                 | 25.10                 |                              | 0        |
|                                       | 36      | 0         | 24.20                 | 24.12                 | 24.13                 | 0-1                          | 1        |
|                                       | 36      | 18        | 24.18                 | 24.18                 | 24.14                 |                              | 1        |
|                                       | 36      | 37        | 24.19                 | 24.15                 | 24.19                 |                              | 1        |
|                                       | 75      | 0         | 24.18                 | 24.19                 | 24.20                 |                              | 1        |
| 16QAM                                 | 1       | 0         | 24.12                 | 23.85                 | 24.17                 | 0-1                          | 1        |
|                                       | 1       | 36        | 24.18                 | 23.88                 | 24.16                 |                              | 1        |
|                                       | 1       | 74        | 24.16                 | 23.80                 | 24.20                 |                              | 1        |
|                                       | 36      | 0         | 23.16                 | 23.20                 | 23.19                 | 0-2                          | 2        |
|                                       | 36      | 18        | 23.20                 | 23.14                 | 23.18                 |                              | 2        |
|                                       | 36      | 37        | 23.19                 | 23.17                 | 23.20                 |                              | 2        |
|                                       | 75      | 0         | 23.17                 | 23.19                 | 23.20                 |                              | 2        |
| 64QAM                                 | 1       | 0         | 23.20                 | 22.68                 | 23.20                 | 0-2                          | 2        |
|                                       | 1       | 36        | 23.13                 | 22.85                 | 23.17                 |                              | 2        |
|                                       | 1       | 74        | 23.14                 | 22.68                 | 23.19                 |                              | 2        |
|                                       | 36      | 0         | 21.81                 | 21.98                 | 22.08                 | 0-3                          | 3        |
|                                       | 36      | 18        | 21.87                 | 21.97                 | 22.11                 |                              | 3        |
|                                       | 36      | 37        | 21.86                 | 21.97                 | 22.07                 |                              | 3        |
|                                       | 75      | 0         | 21.85                 | 21.88                 | 21.89                 |                              | 3        |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 76 of 227                  |



**Table 9-47**  
**LTE Band 25 (PCS) Maximum Conducted Powers - 10 MHz Bandwidth**

| LTE Band 25 (PCS)<br>10 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|---------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 26090<br>(1855.0 MHz) | 26365<br>(1882.5 MHz) | 26640<br>(1910.0 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                  | 1       | 0         | 25.00                 | 25.18                 | 25.16                 | 0                            | 0        |
|                                       | 1       | 25        | 25.10                 | 25.20                 | 25.15                 |                              | 0        |
|                                       | 1       | 49        | 25.06                 | 25.19                 | 25.13                 |                              | 0        |
|                                       | 25      | 0         | 24.15                 | 24.19                 | 24.18                 | 0-1                          | 1        |
|                                       | 25      | 12        | 24.16                 | 24.11                 | 24.20                 |                              | 1        |
|                                       | 25      | 25        | 24.18                 | 24.16                 | 24.19                 |                              | 1        |
|                                       | 50      | 0         | 24.20                 | 24.18                 | 24.20                 |                              | 1        |
| 16QAM                                 | 1       | 0         | 24.17                 | 23.93                 | 23.85                 | 0-1                          | 1        |
|                                       | 1       | 25        | 24.16                 | 23.95                 | 23.87                 |                              | 1        |
|                                       | 1       | 49        | 24.20                 | 24.00                 | 23.85                 |                              | 1        |
|                                       | 25      | 0         | 23.18                 | 23.20                 | 23.20                 | 0-2                          | 2        |
|                                       | 25      | 12        | 23.19                 | 23.19                 | 23.19                 |                              | 2        |
|                                       | 25      | 25        | 23.17                 | 23.19                 | 23.20                 |                              | 2        |
|                                       | 50      | 0         | 23.20                 | 23.20                 | 23.19                 |                              | 2        |
| 64QAM                                 | 1       | 0         | 22.81                 | 22.75                 | 22.74                 | 0-2                          | 2        |
|                                       | 1       | 25        | 22.89                 | 22.77                 | 22.82                 |                              | 2        |
|                                       | 1       | 49        | 22.80                 | 22.75                 | 22.80                 |                              | 2        |
|                                       | 25      | 0         | 22.00                 | 22.02                 | 22.13                 | 0-3                          | 3        |
|                                       | 25      | 12        | 22.01                 | 21.99                 | 22.03                 |                              | 3        |
|                                       | 25      | 25        | 21.97                 | 21.98                 | 22.10                 |                              | 3        |
|                                       | 50      | 0         | 21.85                 | 21.94                 | 21.98                 |                              | 3        |

|                                                |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset | Page 77 of 227                                                                        |                                        |

**Table 9-48**  
**LTE Band 25 (PCS) Maximum Conducted Powers - 5 MHz Bandwidth**

| LTE Band 25 (PCS)<br>5 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 26065<br>(1852.5 MHz) | 26365<br>(1882.5 MHz) | 26665<br>(1912.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 25.12                 | 25.12                 | 25.20                 | 0                            | 0        |
|                                      | 1       | 12        | 25.19                 | 25.13                 | 25.14                 |                              | 0        |
|                                      | 1       | 24        | 25.20                 | 25.10                 | 25.20                 |                              | 0        |
|                                      | 12      | 0         | 24.17                 | 24.20                 | 24.19                 | 0-1                          | 1        |
|                                      | 12      | 6         | 24.15                 | 24.12                 | 24.13                 |                              | 1        |
|                                      | 12      | 13        | 24.16                 | 24.18                 | 24.11                 |                              | 1        |
|                                      | 25      | 0         | 24.20                 | 24.15                 | 24.20                 |                              | 1        |
| 16QAM                                | 1       | 0         | 24.19                 | 24.20                 | 24.00                 | 0-1                          | 1        |
|                                      | 1       | 12        | 24.18                 | 24.10                 | 23.99                 |                              | 1        |
|                                      | 1       | 24        | 24.13                 | 24.16                 | 23.84                 |                              | 1        |
|                                      | 12      | 0         | 23.15                 | 23.20                 | 23.16                 | 0-2                          | 2        |
|                                      | 12      | 6         | 23.11                 | 23.19                 | 23.18                 |                              | 2        |
|                                      | 12      | 13        | 23.19                 | 23.18                 | 23.19                 |                              | 2        |
|                                      | 25      | 0         | 23.20                 | 23.13                 | 23.20                 |                              | 2        |
| 64QAM                                | 1       | 0         | 23.20                 | 23.06                 | 23.04                 | 0-2                          | 2        |
|                                      | 1       | 12        | 23.19                 | 23.07                 | 23.12                 |                              | 2        |
|                                      | 1       | 24        | 23.14                 | 23.08                 | 23.11                 |                              | 2        |
|                                      | 12      | 0         | 21.94                 | 21.91                 | 21.91                 | 0-3                          | 3        |
|                                      | 12      | 6         | 21.91                 | 21.87                 | 21.91                 |                              | 3        |
|                                      | 12      | 13        | 21.91                 | 21.82                 | 21.93                 |                              | 3        |
|                                      | 25      | 0         | 21.86                 | 21.94                 | 21.95                 |                              | 3        |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 78 of 227                  |

**Table 9-49**  
**LTE Band 25 (PCS) Maximum Conducted Powers - 3 MHz Bandwidth**

| LTE Band 25 (PCS)<br>3 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 26055<br>(1851.5 MHz) | 26365<br>(1882.5 MHz) | 26675<br>(1913.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 25.09                 | 25.17                 | 25.18                 | 0                            | 0        |
|                                      | 1       | 7         | 25.00                 | 25.15                 | 25.20                 |                              | 0        |
|                                      | 1       | 14        | 25.10                 | 25.11                 | 25.20                 |                              | 0        |
|                                      | 8       | 0         | 24.12                 | 24.16                 | 24.16                 | 0-1                          | 1        |
|                                      | 8       | 4         | 24.18                 | 24.18                 | 24.13                 |                              | 1        |
|                                      | 8       | 7         | 24.11                 | 24.17                 | 24.11                 |                              | 1        |
|                                      | 15      | 0         | 24.19                 | 24.20                 | 24.12                 |                              | 1        |
| 16QAM                                | 1       | 0         | 24.15                 | 24.00                 | 23.90                 | 0-1                          | 1        |
|                                      | 1       | 7         | 24.16                 | 23.96                 | 23.93                 |                              | 1        |
|                                      | 1       | 14        | 24.19                 | 23.93                 | 23.86                 |                              | 1        |
|                                      | 8       | 0         | 23.19                 | 23.16                 | 23.20                 | 0-2                          | 2        |
|                                      | 8       | 4         | 23.18                 | 23.18                 | 23.14                 |                              | 2        |
|                                      | 8       | 7         | 23.17                 | 23.16                 | 23.12                 |                              | 2        |
|                                      | 15      | 0         | 23.20                 | 23.19                 | 23.20                 |                              | 2        |
| 64QAM                                | 1       | 0         | 22.89                 | 22.75                 | 23.17                 | 0-2                          | 2        |
|                                      | 1       | 7         | 22.89                 | 22.74                 | 23.15                 |                              | 2        |
|                                      | 1       | 14        | 22.87                 | 22.68                 | 23.11                 |                              | 2        |
|                                      | 8       | 0         | 21.86                 | 21.98                 | 22.10                 | 0-3                          | 3        |
|                                      | 8       | 4         | 21.85                 | 21.93                 | 22.09                 |                              | 3        |
|                                      | 8       | 7         | 21.85                 | 21.92                 | 22.09                 |                              | 3        |
|                                      | 15      | 0         | 21.91                 | 21.94                 | 21.96                 |                              | 3        |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 79 of 227                  |

**Table 9-50**  
**LTE Band 25 (PCS) Maximum Conducted Powers - 1.4 MHz Bandwidth**

| LTE Band 25 (PCS)<br>1.4 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|----------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                             | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                        |         |           | 26047<br>(1850.7 MHz) | 26365<br>(1882.5 MHz) | 26683<br>(1914.3 MHz) |                              |          |
|                                        |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                   | 1       | 0         | 25.19                 | 25.19                 | 25.14                 | 0                            | 0        |
|                                        | 1       | 2         | 25.16                 | 25.18                 | 25.16                 |                              | 0        |
|                                        | 1       | 5         | 25.17                 | 25.20                 | 25.19                 |                              | 0        |
|                                        | 3       | 0         | 25.16                 | 25.17                 | 25.14                 |                              | 0        |
|                                        | 3       | 2         | 25.19                 | 25.19                 | 25.16                 |                              | 0        |
|                                        | 3       | 3         | 25.16                 | 25.19                 | 25.16                 |                              | 0        |
|                                        | 6       | 0         | 24.20                 | 24.20                 | 24.20                 | 0-1                          | 1        |
| 16QAM                                  | 1       | 0         | 23.92                 | 24.05                 | 24.16                 | 0-1                          | 1        |
|                                        | 1       | 2         | 23.90                 | 24.07                 | 24.12                 |                              | 1        |
|                                        | 1       | 5         | 23.94                 | 24.08                 | 24.14                 |                              | 1        |
|                                        | 3       | 0         | 24.10                 | 24.00                 | 24.18                 |                              | 1        |
|                                        | 3       | 2         | 24.08                 | 23.97                 | 24.19                 |                              | 1        |
|                                        | 3       | 3         | 24.06                 | 24.00                 | 24.20                 |                              | 1        |
|                                        | 6       | 0         | 23.18                 | 23.19                 | 23.18                 | 0-2                          | 2        |
| 64QAM                                  | 1       | 0         | 22.94                 | 22.83                 | 23.11                 | 0-2                          | 2        |
|                                        | 1       | 2         | 22.93                 | 22.88                 | 23.18                 |                              | 2        |
|                                        | 1       | 5         | 22.97                 | 22.79                 | 23.16                 |                              | 2        |
|                                        | 3       | 0         | 22.81                 | 23.00                 | 23.08                 |                              | 2        |
|                                        | 3       | 2         | 22.82                 | 22.99                 | 23.07                 |                              | 2        |
|                                        | 3       | 3         | 22.83                 | 22.96                 | 23.08                 |                              | 2        |
|                                        | 6       | 0         | 21.90                 | 21.85                 | 21.97                 | 0-3                          | 3        |

|                                                |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset | Page 80 of 227                                                                        |                                        |

**Table 9-51**  
**LTE Band 25 (PCS) Reduced Conducted Powers – 20 MHz Bandwidth**

| LTE Band 25 (PCS)<br>20 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|---------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 26140<br>(1860.0 MHz) | 26365<br>(1882.5 MHz) | 26590<br>(1905.0 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                  | 1       | 0         | 22.88                 | 22.96                 | 22.84                 | 0                            | 0        |
|                                       | 1       | 50        | 22.91                 | 22.98                 | 22.99                 |                              | 0        |
|                                       | 1       | 99        | 22.92                 | 22.93                 | 22.94                 |                              | 0        |
|                                       | 50      | 0         | 23.01                 | 23.04                 | 23.08                 | 0-1                          | 0        |
|                                       | 50      | 25        | 22.99                 | 23.01                 | 23.04                 |                              | 0        |
|                                       | 50      | 50        | 23.04                 | 23.05                 | 22.97                 |                              | 0        |
|                                       | 100     | 0         | 22.96                 | 22.97                 | 22.98                 |                              | 0        |
| 16QAM                                 | 1       | 0         | 23.13                 | 23.14                 | 23.13                 | 0-1                          | 0        |
|                                       | 1       | 50        | 23.19                 | 23.19                 | 23.16                 |                              | 0        |
|                                       | 1       | 99        | 23.12                 | 23.13                 | 23.20                 |                              | 0        |
|                                       | 50      | 0         | 22.93                 | 23.02                 | 23.07                 | 0-2                          | 0        |
|                                       | 50      | 25        | 23.00                 | 23.04                 | 23.01                 |                              | 0        |
|                                       | 50      | 50        | 23.07                 | 23.06                 | 22.96                 |                              | 0        |
|                                       | 100     | 0         | 22.96                 | 23.00                 | 23.02                 |                              | 0        |
| 64QAM                                 | 1       | 0         | 23.01                 | 23.11                 | 23.04                 | 0-2                          | 0        |
|                                       | 1       | 50        | 23.08                 | 23.15                 | 23.20                 |                              | 0        |
|                                       | 1       | 99        | 23.08                 | 23.12                 | 23.12                 |                              | 0        |
|                                       | 50      | 0         | 21.97                 | 22.06                 | 22.06                 | 0-3                          | 1        |
|                                       | 50      | 25        | 21.98                 | 22.01                 | 22.05                 |                              | 1        |
|                                       | 50      | 50        | 22.04                 | 22.07                 | 21.97                 |                              | 1        |
|                                       | 100     | 0         | 22.02                 | 21.98                 | 22.03                 |                              | 1        |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 81 of 227                  |

**Table 9-52**  
**LTE Band 25 (PCS) Reduced Conducted Powers – 15 MHz Bandwidth**

| LTE Band 25 (PCS)<br>15 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|---------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 26115<br>(1857.5 MHz) | 26365<br>(1882.5 MHz) | 26615<br>(1907.5 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                  | 1       | 0         | 23.10                 | 23.01                 | 23.05                 | 0                            | 0        |
|                                       | 1       | 36        | 23.13                 | 23.09                 | 23.15                 |                              | 0        |
|                                       | 1       | 74        | 23.19                 | 23.01                 | 23.13                 |                              | 0        |
|                                       | 36      | 0         | 23.09                 | 23.11                 | 23.18                 | 0-1                          | 0        |
|                                       | 36      | 18        | 23.11                 | 23.08                 | 23.11                 |                              | 0        |
|                                       | 36      | 37        | 23.14                 | 23.09                 | 23.14                 |                              | 0        |
|                                       | 75      | 0         | 23.09                 | 23.11                 | 23.13                 |                              | 0        |
| 16QAM                                 | 1       | 0         | 23.03                 | 23.19                 | 23.15                 | 0-1                          | 0        |
|                                       | 1       | 36        | 23.08                 | 23.11                 | 23.17                 |                              | 0        |
|                                       | 1       | 74        | 23.12                 | 23.06                 | 23.15                 |                              | 0        |
|                                       | 36      | 0         | 23.17                 | 23.12                 | 23.14                 | 0-2                          | 0        |
|                                       | 36      | 18        | 23.11                 | 23.11                 | 23.17                 |                              | 0        |
|                                       | 36      | 37        | 23.02                 | 23.08                 | 23.05                 |                              | 0        |
|                                       | 75      | 0         | 23.09                 | 23.10                 | 23.12                 |                              | 0        |
| 64QAM                                 | 1       | 0         | 23.11                 | 23.18                 | 23.04                 | 0-2                          | 0        |
|                                       | 1       | 36        | 23.04                 | 23.05                 | 23.12                 |                              | 0        |
|                                       | 1       | 74        | 23.10                 | 23.11                 | 23.11                 |                              | 0        |
|                                       | 36      | 0         | 22.17                 | 22.13                 | 22.14                 | 0-3                          | 1        |
|                                       | 36      | 18        | 22.18                 | 22.10                 | 22.17                 |                              | 1        |
|                                       | 36      | 37        | 22.11                 | 22.10                 | 22.12                 |                              | 1        |
|                                       | 75      | 0         | 22.12                 | 22.11                 | 22.13                 |                              | 1        |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 82 of 227                  |

**Table 9-53**  
**LTE Band 25 (PCS) Reduced Conducted Powers – 10 MHz Bandwidth**

| LTE Band 25 (PCS)<br>10 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|---------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                            | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                       |         |           | 26090<br>(1855.0 MHz) | 26365<br>(1882.5 MHz) | 26640<br>(1910.0 MHz) |                              |          |
|                                       |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                  | 1       | 0         | 23.00                 | 23.11                 | 23.19                 | 0                            | 0        |
|                                       | 1       | 25        | 23.05                 | 23.12                 | 23.19                 |                              | 0        |
|                                       | 1       | 49        | 23.00                 | 23.10                 | 23.17                 |                              | 0        |
|                                       | 25      | 0         | 23.13                 | 23.14                 | 23.17                 | 0-1                          | 0        |
|                                       | 25      | 12        | 23.14                 | 23.12                 | 23.11                 |                              | 0        |
|                                       | 25      | 25        | 23.11                 | 23.11                 | 23.20                 |                              | 0        |
|                                       | 50      | 0         | 23.15                 | 23.16                 | 23.20                 |                              | 0        |
| 16QAM                                 | 1       | 0         | 23.03                 | 23.16                 | 23.16                 | 0-1                          | 0        |
|                                       | 1       | 25        | 23.10                 | 23.07                 | 23.09                 |                              | 0        |
|                                       | 1       | 49        | 23.06                 | 23.19                 | 23.08                 |                              | 0        |
|                                       | 25      | 0         | 23.05                 | 23.01                 | 23.18                 | 0-2                          | 0        |
|                                       | 25      | 12        | 23.12                 | 23.11                 | 23.12                 |                              | 0        |
|                                       | 25      | 25        | 23.11                 | 23.19                 | 23.18                 |                              | 0        |
|                                       | 50      | 0         | 23.19                 | 23.18                 | 23.18                 |                              | 0        |
| 64QAM                                 | 1       | 0         | 23.14                 | 23.14                 | 23.20                 | 0-2                          | 0        |
|                                       | 1       | 25        | 23.12                 | 23.14                 | 23.12                 |                              | 0        |
|                                       | 1       | 49        | 23.19                 | 23.17                 | 23.17                 |                              | 0        |
|                                       | 25      | 0         | 22.12                 | 22.10                 | 22.04                 | 0-3                          | 1        |
|                                       | 25      | 12        | 22.12                 | 22.07                 | 22.16                 |                              | 1        |
|                                       | 25      | 25        | 22.11                 | 22.11                 | 22.03                 |                              | 1        |
|                                       | 50      | 0         | 22.16                 | 22.17                 | 22.19                 |                              | 1        |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 83 of 227                  |

**Table 9-54**  
**LTE Band 25 (PCS) Reduced Conducted Powers – 5 MHz Bandwidth**

| LTE Band 25 (PCS)<br>5 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 26065<br>(1852.5 MHz) | 26365<br>(1882.5 MHz) | 26665<br>(1912.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 23.11                 | 23.09                 | 23.13                 | 0                            | 0        |
|                                      | 1       | 12        | 23.13                 | 23.12                 | 23.19                 |                              | 0        |
|                                      | 1       | 24        | 23.11                 | 23.11                 | 23.15                 |                              | 0        |
|                                      | 12      | 0         | 23.16                 | 23.11                 | 23.12                 | 0-1                          | 0        |
|                                      | 12      | 6         | 23.15                 | 23.08                 | 23.14                 |                              | 0        |
|                                      | 12      | 13        | 23.13                 | 23.04                 | 23.17                 |                              | 0        |
|                                      | 25      | 0         | 23.15                 | 23.12                 | 23.19                 |                              | 0        |
| 16QAM                                | 1       | 0         | 23.08                 | 23.16                 | 23.03                 | 0-1                          | 0        |
|                                      | 1       | 12        | 23.07                 | 23.11                 | 23.07                 |                              | 0        |
|                                      | 1       | 24        | 23.09                 | 23.04                 | 23.12                 |                              | 0        |
|                                      | 12      | 0         | 23.16                 | 23.07                 | 23.18                 | 0-2                          | 0        |
|                                      | 12      | 6         | 23.17                 | 23.04                 | 23.01                 |                              | 0        |
|                                      | 12      | 13        | 23.16                 | 23.20                 | 23.02                 |                              | 0        |
|                                      | 25      | 0         | 23.13                 | 23.20                 | 23.13                 |                              | 0        |
| 64QAM                                | 1       | 0         | 23.20                 | 23.20                 | 23.13                 | 0-2                          | 0        |
|                                      | 1       | 12        | 23.16                 | 23.18                 | 23.18                 |                              | 0        |
|                                      | 1       | 24        | 23.15                 | 23.10                 | 23.17                 |                              | 0        |
|                                      | 12      | 0         | 22.19                 | 22.15                 | 22.19                 | 0-3                          | 1        |
|                                      | 12      | 6         | 22.11                 | 22.11                 | 22.03                 |                              | 1        |
|                                      | 12      | 13        | 22.12                 | 22.09                 | 22.15                 |                              | 1        |
|                                      | 25      | 0         | 22.17                 | 22.14                 | 22.11                 |                              | 1        |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 84 of 227                  |



**Table 9-55**  
**LTE Band 25 (PCS) Reduced Conducted Powers – 3 MHz Bandwidth**

| LTE Band 25 (PCS)<br>3 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|--------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                           | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                      |         |           | 26055<br>(1851.5 MHz) | 26365<br>(1882.5 MHz) | 26675<br>(1913.5 MHz) |                              |          |
|                                      |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                 | 1       | 0         | 23.16                 | 23.06                 | 23.14                 | 0                            | 0        |
|                                      | 1       | 7         | 23.13                 | 23.07                 | 23.18                 |                              | 0        |
|                                      | 1       | 14        | 23.15                 | 23.06                 | 23.16                 |                              | 0        |
|                                      | 8       | 0         | 23.11                 | 23.07                 | 23.13                 | 0-1                          | 0        |
|                                      | 8       | 4         | 23.11                 | 23.04                 | 23.10                 |                              | 0        |
|                                      | 8       | 7         | 23.10                 | 23.04                 | 23.12                 |                              | 0        |
|                                      | 15      | 0         | 23.10                 | 23.07                 | 23.13                 |                              | 0        |
| 16QAM                                | 1       | 0         | 23.18                 | 23.16                 | 23.13                 | 0-1                          | 0        |
|                                      | 1       | 7         | 23.17                 | 23.12                 | 23.12                 |                              | 0        |
|                                      | 1       | 14        | 23.11                 | 23.11                 | 23.11                 |                              | 0        |
|                                      | 8       | 0         | 23.14                 | 23.07                 | 23.13                 | 0-2                          | 0        |
|                                      | 8       | 4         | 23.17                 | 23.04                 | 23.15                 |                              | 0        |
|                                      | 8       | 7         | 23.17                 | 23.00                 | 23.17                 |                              | 0        |
|                                      | 15      | 0         | 23.13                 | 23.10                 | 23.14                 |                              | 0        |
| 64QAM                                | 1       | 0         | 23.06                 | 23.08                 | 23.04                 | 0-2                          | 0        |
|                                      | 1       | 7         | 23.04                 | 23.06                 | 23.01                 |                              | 0        |
|                                      | 1       | 14        | 23.10                 | 23.03                 | 23.07                 |                              | 0        |
|                                      | 8       | 0         | 22.14                 | 22.06                 | 22.14                 | 0-3                          | 1        |
|                                      | 8       | 4         | 22.03                 | 22.03                 | 22.13                 |                              | 1        |
|                                      | 8       | 7         | 22.11                 | 22.00                 | 22.13                 |                              | 1        |
|                                      | 15      | 0         | 22.06                 | 22.09                 | 22.16                 |                              | 1        |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 85 of 227                  |

**Table 9-56**  
**LTE Band 25 (PCS) Reduced Conducted Powers – 1.4 MHz Bandwidth**

| LTE Band 25 (PCS)<br>1.4 MHz Bandwidth |         |           |                       |                       |                       |                              |          |
|----------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                             | RB Size | RB Offset | Low Channel           | Mid Channel           | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                        |         |           | 26047<br>(1850.7 MHz) | 26365<br>(1882.5 MHz) | 26683<br>(1914.3 MHz) |                              |          |
|                                        |         |           | Conducted Power [dBm] |                       |                       |                              |          |
| QPSK                                   | 1       | 0         | 23.18                 | 23.05                 | 23.14                 | 0                            | 0        |
|                                        | 1       | 2         | 23.15                 | 23.05                 | 23.17                 |                              | 0        |
|                                        | 1       | 5         | 23.16                 | 23.08                 | 23.15                 |                              | 0        |
|                                        | 3       | 0         | 23.15                 | 23.04                 | 23.06                 |                              | 0        |
|                                        | 3       | 2         | 23.10                 | 23.01                 | 23.08                 |                              | 0        |
|                                        | 3       | 3         | 23.11                 | 23.02                 | 23.08                 |                              | 0        |
|                                        | 6       | 0         | 23.13                 | 23.06                 | 23.16                 | 0-1                          | 0        |
| 16QAM                                  | 1       | 0         | 23.19                 | 23.20                 | 23.15                 | 0-1                          | 0        |
|                                        | 1       | 2         | 23.17                 | 23.20                 | 23.05                 |                              | 0        |
|                                        | 1       | 5         | 23.18                 | 23.15                 | 23.11                 |                              | 0        |
|                                        | 3       | 0         | 23.03                 | 23.16                 | 23.02                 |                              | 0        |
|                                        | 3       | 2         | 23.14                 | 23.13                 | 23.03                 |                              | 0        |
|                                        | 3       | 3         | 23.01                 | 23.16                 | 23.02                 |                              | 0        |
|                                        | 6       | 0         | 23.19                 | 23.17                 | 23.03                 | 0-2                          | 0        |
| 64QAM                                  | 1       | 0         | 23.03                 | 23.08                 | 23.11                 | 0-2                          | 0        |
|                                        | 1       | 2         | 23.04                 | 23.07                 | 23.09                 |                              | 0        |
|                                        | 1       | 5         | 23.04                 | 23.05                 | 23.10                 |                              | 0        |
|                                        | 3       | 0         | 23.18                 | 23.14                 | 23.09                 |                              | 0        |
|                                        | 3       | 2         | 23.20                 | 23.08                 | 23.03                 |                              | 0        |
|                                        | 3       | 3         | 23.11                 | 23.08                 | 23.02                 |                              | 0        |
|                                        | 6       | 0         | 22.06                 | 22.05                 | 22.13                 | 0-3                          | 1        |

|                                                |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset | Page 86 of 227                                                                        |                                        |

## 9.4.8

## LTE Band 41

**Table 9-57**  
**LTE Band 41 PC3 Maximum Conducted Powers - 20 MHz Bandwidth**

| LTE Band 41<br>20 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                              |          |     |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|-----|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |     |
|                                 |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                              |          |     |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                              |          |     |
| QPSK                            | 1       | 0         | 24.57                 | 24.38                 | 24.39                 | 24.38                 | 24.47                 | 0                            | 0        |     |
|                                 | 1       | 50        | 24.62                 | 24.46                 | 24.49                 | 24.46                 | 24.60                 |                              | 0        |     |
|                                 | 1       | 99        | 24.52                 | 24.38                 | 24.40                 | 24.39                 | 24.56                 |                              | 0        |     |
|                                 | 50      | 0         | 24.03                 | 23.98                 | 23.97                 | 24.00                 | 24.11                 | 0-1                          | 1        |     |
|                                 | 50      | 25        | 24.13                 | 24.01                 | 24.01                 | 24.03                 | 24.16                 |                              | 1        |     |
|                                 | 50      | 50        | 24.17                 | 23.99                 | 23.99                 | 23.99                 | 24.15                 |                              | 1        |     |
| 16QAM                           | 100     | 0         | 24.08                 | 23.96                 | 23.98                 | 23.97                 | 24.11                 | 0-1                          | 1        |     |
|                                 | 1       | 0         | 23.74                 | 23.68                 | 23.87                 | 23.63                 | 23.70                 |                              | 0-2      | 1   |
|                                 | 1       | 50        | 23.83                 | 23.76                 | 23.96                 | 23.68                 | 23.81                 |                              |          | 1   |
|                                 | 1       | 99        | 23.75                 | 23.70                 | 23.85                 | 23.65                 | 23.78                 | 0-2                          |          | 1   |
|                                 | 50      | 0         | 23.02                 | 22.97                 | 22.92                 | 22.97                 | 23.10                 |                              | 2        |     |
|                                 | 50      | 25        | 23.14                 | 22.98                 | 22.94                 | 23.02                 | 23.12                 |                              | 2        |     |
| 64QAM                           | 50      | 50        | 23.19                 | 22.96                 | 22.90                 | 22.99                 | 23.11                 | 0-2                          | 2        |     |
|                                 | 100     | 0         | 23.07                 | 22.94                 | 22.94                 | 22.96                 | 23.06                 |                              | 0-3      | 2   |
|                                 | 1       | 0         | 23.03                 | 22.88                 | 23.08                 | 22.88                 | 22.95                 |                              |          | 0-2 |
|                                 | 1       | 50        | 23.10                 | 22.95                 | 23.17                 | 22.96                 | 23.07                 | 0-3                          |          |     |
|                                 | 1       | 99        | 23.00                 | 22.87                 | 23.06                 | 22.89                 | 23.05                 |                              | 0-3      |     |
|                                 | 50      | 0         | 22.03                 | 21.97                 | 21.88                 | 22.00                 | 22.10                 |                              |          | 3   |
| 64QAM                           | 50      | 25        | 22.16                 | 22.01                 | 21.94                 | 22.04                 | 22.13                 | 0-3                          |          | 3   |
|                                 | 50      | 50        | 22.20                 | 21.98                 | 21.89                 | 21.99                 | 22.12                 |                              | 3        |     |
|                                 | 100     | 0         | 22.09                 | 21.93                 | 21.91                 | 21.94                 | 22.06                 |                              | 3        |     |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 87 of 227                  |

**Table 9-58**  
**LTE Band 41 PC3 Maximum Conducted Powers - 15 MHz Bandwidth**

| LTE Band 41<br>15 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                              |          |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                              |          |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                              |          |
| QPSK                            | 1       | 0         | 24.52                 | 24.45                 | 24.27                 | 24.41                 | 24.49                 | 0                            | 0        |
|                                 | 1       | 36        | 24.62                 | 24.55                 | 24.44                 | 24.55                 | 24.71                 |                              | 0        |
|                                 | 1       | 74        | 24.49                 | 24.38                 | 24.30                 | 24.42                 | 24.62                 |                              | 0        |
|                                 | 36      | 0         | 24.02                 | 23.97                 | 23.85                 | 23.95                 | 24.11                 | 0-1                          | 1        |
|                                 | 36      | 18        | 24.10                 | 24.00                 | 23.89                 | 24.00                 | 24.16                 |                              | 1        |
|                                 | 36      | 37        | 24.04                 | 23.98                 | 23.86                 | 23.98                 | 24.19                 |                              | 1        |
| 16QAM                           | 75      | 0         | 24.05                 | 23.94                 | 23.87                 | 23.95                 | 24.15                 | 0-1                          | 1        |
|                                 | 1       | 0         | 23.88                 | 23.70                 | 23.69                 | 23.45                 | 23.86                 |                              | 1        |
|                                 | 1       | 36        | 23.98                 | 23.82                 | 23.81                 | 23.59                 | 24.05                 |                              | 1        |
|                                 | 1       | 74        | 23.82                 | 23.68                 | 23.67                 | 23.45                 | 23.97                 | 0-2                          | 1        |
|                                 | 36      | 0         | 22.97                 | 23.02                 | 22.81                 | 22.98                 | 23.06                 |                              | 2        |
|                                 | 36      | 18        | 23.03                 | 23.06                 | 22.85                 | 23.06                 | 23.13                 |                              | 2        |
|                                 | 36      | 37        | 23.02                 | 23.03                 | 22.84                 | 23.00                 | 23.11                 |                              | 2        |
|                                 | 75      | 0         | 23.02                 | 22.93                 | 22.80                 | 22.91                 | 23.06                 |                              | 2        |
| 64QAM                           | 1       | 0         | 22.95                 | 23.08                 | 22.69                 | 22.55                 | 22.89                 | 0-2                          | 2        |
|                                 | 1       | 36        | 23.02                 | 23.18                 | 22.82                 | 22.68                 | 23.07                 |                              | 2        |
|                                 | 1       | 74        | 22.85                 | 23.06                 | 22.67                 | 22.58                 | 22.98                 |                              | 2        |
|                                 | 36      | 0         | 21.94                 | 21.97                 | 21.78                 | 21.91                 | 22.03                 | 0-3                          | 3        |
|                                 | 36      | 18        | 22.00                 | 22.03                 | 21.83                 | 21.95                 | 22.08                 |                              | 3        |
|                                 | 36      | 37        | 22.01                 | 21.98                 | 21.84                 | 21.91                 | 22.07                 |                              | 3        |
|                                 | 75      | 0         | 21.99                 | 21.92                 | 21.83                 | 21.91                 | 22.04                 |                              | 3        |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 88 of 227                  |

**Table 9-59**  
**LTE Band 41 PC3 Maximum Conducted Powers - 10 MHz Bandwidth**

| LTE Band 41<br>10 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                              |          |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                              |          |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                              |          |
| QPSK                            | 1       | 0         | 24.66                 | 24.71                 | 24.64                 | 24.44                 | 24.67                 | 0                            | 0        |
|                                 | 1       | 25        | 24.64                 | 24.71                 | 24.67                 | 24.50                 | 24.73                 |                              | 0        |
|                                 | 1       | 49        | 24.60                 | 24.66                 | 24.63                 | 24.47                 | 24.72                 |                              | 0        |
|                                 | 25      | 0         | 23.92                 | 24.14                 | 23.99                 | 23.99                 | 24.05                 | 0-1                          | 1        |
|                                 | 25      | 12        | 24.00                 | 24.09                 | 23.99                 | 24.01                 | 24.07                 |                              | 1        |
|                                 | 25      | 25        | 24.05                 | 24.10                 | 24.01                 | 23.97                 | 24.11                 |                              | 1        |
| 16QAM                           | 50      | 0         | 24.02                 | 24.20                 | 24.03                 | 24.04                 | 24.08                 | 0-1                          | 1        |
|                                 | 1       | 0         | 23.68                 | 23.67                 | 23.65                 | 23.81                 | 23.67                 |                              | 1        |
|                                 | 1       | 25        | 23.67                 | 23.67                 | 23.72                 | 23.86                 | 23.73                 |                              | 1        |
|                                 | 1       | 49        | 23.65                 | 23.65                 | 23.63                 | 23.85                 | 23.74                 | 0-2                          | 1        |
|                                 | 25      | 0         | 22.93                 | 23.07                 | 23.02                 | 23.02                 | 23.09                 |                              | 2        |
|                                 | 25      | 12        | 23.02                 | 23.05                 | 23.05                 | 23.04                 | 23.08                 |                              | 2        |
|                                 | 25      | 25        | 23.05                 | 23.06                 | 23.06                 | 23.02                 | 23.13                 |                              | 2        |
|                                 | 50      | 0         | 22.99                 | 23.06                 | 23.00                 | 22.99                 | 23.01                 |                              | 2        |
| 64QAM                           | 1       | 0         | 23.10                 | 22.83                 | 23.13                 | 22.82                 | 23.03                 | 0-2                          | 2        |
|                                 | 1       | 25        | 23.15                 | 22.81                 | 23.12                 | 22.85                 | 23.08                 |                              | 2        |
|                                 | 1       | 49        | 23.10                 | 22.79                 | 23.16                 | 22.85                 | 23.09                 |                              | 2        |
|                                 | 25      | 0         | 21.84                 | 22.12                 | 21.92                 | 21.92                 | 21.95                 | 0-3                          | 3        |
|                                 | 25      | 12        | 21.89                 | 22.11                 | 21.94                 | 21.96                 | 21.95                 |                              | 3        |
|                                 | 25      | 25        | 21.95                 | 22.09                 | 21.97                 | 21.92                 | 22.00                 |                              | 3        |
|                                 | 50      | 0         | 21.83                 | 22.08                 | 21.99                 | 21.92                 | 21.94                 |                              | 3        |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 89 of 227                  |

**Table 9-60**  
**LTE Band 41 PC3 Maximum Conducted Powers - 5 MHz Bandwidth**

| LTE Band 41<br>5 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                              |          |
|--------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                     | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                              |          |
|                                |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                              |          |
| QPSK                           | 1       | 0         | 24.78                 | 24.64                 | 24.63                 | 24.43                 | 24.64                 | 0                            | 0        |
|                                | 1       | 12        | 24.78                 | 24.64                 | 24.69                 | 24.40                 | 24.67                 |                              | 0        |
|                                | 1       | 24        | 24.80                 | 24.61                 | 24.63                 | 24.44                 | 24.67                 |                              | 0        |
|                                | 12      | 0         | 24.09                 | 24.12                 | 24.01                 | 23.95                 | 24.08                 | 0-1                          | 1        |
|                                | 12      | 6         | 24.10                 | 24.06                 | 23.99                 | 23.95                 | 24.04                 |                              | 1        |
|                                | 12      | 13        | 24.07                 | 24.03                 | 23.98                 | 23.96                 | 24.02                 |                              | 1        |
| 16QAM                          | 25      | 0         | 24.08                 | 24.04                 | 24.00                 | 23.98                 | 24.05                 | 0-1                          | 1        |
|                                | 1       | 0         | 24.02                 | 23.91                 | 24.16                 | 23.56                 | 24.12                 |                              | 1        |
|                                | 1       | 12        | 24.14                 | 23.90                 | 24.16                 | 23.60                 | 24.18                 |                              | 1        |
|                                | 1       | 24        | 24.13                 | 23.88                 | 24.13                 | 23.60                 | 24.15                 | 0-2                          | 1        |
|                                | 12      | 0         | 23.02                 | 23.02                 | 22.94                 | 23.02                 | 22.99                 |                              | 2        |
|                                | 12      | 6         | 23.00                 | 23.06                 | 22.91                 | 23.00                 | 22.94                 |                              | 2        |
|                                | 12      | 13        | 23.02                 | 23.02                 | 22.94                 | 23.01                 | 22.94                 |                              | 2        |
|                                | 25      | 0         | 23.04                 | 23.07                 | 23.02                 | 22.97                 | 22.95                 |                              | 2        |
| 64QAM                          | 1       | 0         | 22.95                 | 23.01                 | 22.87                 | 23.06                 | 22.81                 | 0-2                          | 2        |
|                                | 1       | 12        | 22.94                 | 23.01                 | 22.89                 | 23.04                 | 22.87                 |                              | 2        |
|                                | 1       | 24        | 22.93                 | 22.99                 | 22.86                 | 23.06                 | 22.86                 |                              | 2        |
|                                | 12      | 0         | 22.05                 | 22.08                 | 21.99                 | 21.90                 | 22.00                 | 0-3                          | 3        |
|                                | 12      | 6         | 22.05                 | 22.08                 | 21.97                 | 21.89                 | 21.98                 |                              | 3        |
|                                | 12      | 13        | 22.04                 | 22.02                 | 21.97                 | 21.89                 | 21.95                 |                              | 3        |
|                                | 25      | 0         | 22.02                 | 22.06                 | 21.95                 | 21.92                 | 21.94                 |                              | 3        |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 90 of 227                  |

**Table 9-61**  
**LTE Band 41 PC3 Reduced Conducted Powers – 20 MHz Bandwidth**

| LTE Band 41<br>20 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                              |          |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                              |          |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                              |          |
| QPSK                            | 1       | 0         | 24.20                 | 24.13                 | 24.04                 | 24.08                 | 23.94                 | 0                            | 0        |
|                                 | 1       | 50        | 24.12                 | 24.18                 | 24.15                 | 24.09                 | 24.08                 |                              | 0        |
|                                 | 1       | 99        | 24.11                 | 24.12                 | 24.09                 | 23.93                 | 24.11                 |                              | 0        |
|                                 | 50      | 0         | 24.20                 | 24.14                 | 24.10                 | 24.10                 | 24.07                 | 0-1                          | 0        |
|                                 | 50      | 25        | 24.10                 | 24.16                 | 24.13                 | 24.06                 | 24.08                 |                              | 0        |
|                                 | 50      | 50        | 24.10                 | 24.18                 | 24.13                 | 24.08                 | 24.07                 |                              | 0        |
|                                 | 100     | 0         | 24.15                 | 24.14                 | 24.06                 | 24.01                 | 24.01                 |                              | 0        |
| 16QAM                           | 1       | 0         | 24.15                 | 24.18                 | 23.98                 | 24.01                 | 23.81                 | 0-1                          | 0        |
|                                 | 1       | 50        | 24.19                 | 24.16                 | 24.14                 | 24.02                 | 24.03                 |                              | 0        |
|                                 | 1       | 99        | 24.13                 | 24.16                 | 24.08                 | 23.90                 | 24.04                 |                              | 0        |
|                                 | 50      | 0         | 23.10                 | 23.19                 | 23.09                 | 22.98                 | 23.06                 | 0-2                          | 1        |
|                                 | 50      | 25        | 23.19                 | 23.18                 | 23.09                 | 23.03                 | 23.10                 |                              | 1        |
|                                 | 50      | 50        | 23.19                 | 23.20                 | 23.04                 | 23.02                 | 23.11                 |                              | 1        |
|                                 | 100     | 0         | 23.13                 | 23.15                 | 23.05                 | 23.03                 | 23.06                 |                              | 1        |
| 64QAM                           | 1       | 0         | 22.77                 | 22.75                 | 22.70                 | 22.66                 | 22.56                 | 0-2                          | 1        |
|                                 | 1       | 50        | 22.94                 | 22.84                 | 22.76                 | 22.65                 | 22.69                 |                              | 1        |
|                                 | 1       | 99        | 22.90                 | 22.61                 | 22.68                 | 22.56                 | 22.62                 |                              | 1        |
|                                 | 50      | 0         | 22.13                 | 22.16                 | 22.19                 | 22.09                 | 22.05                 | 0-3                          | 2        |
|                                 | 50      | 25        | 22.20                 | 22.13                 | 22.11                 | 22.11                 | 22.11                 |                              | 2        |
|                                 | 50      | 50        | 22.19                 | 22.17                 | 22.15                 | 22.08                 | 22.12                 |                              | 2        |
|                                 | 100     | 0         | 22.15                 | 22.13                 | 22.03                 | 22.00                 | 22.10                 |                              | 2        |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 91 of 227                  |

**Table 9-62**  
**LTE Band 41 PC3 Reduced Conducted Powers – 15 MHz Bandwidth**

| LTE Band 41<br>15 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                              |          |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                              |          |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                              |          |
| QPSK                            | 1       | 0         | 24.16                 | 24.14                 | 24.07                 | 24.09                 | 23.96                 | 0                            | 0        |
|                                 | 1       | 36        | 24.18                 | 24.11                 | 24.11                 | 24.13                 | 24.11                 |                              | 0        |
|                                 | 1       | 74        | 24.16                 | 24.08                 | 24.07                 | 24.11                 | 24.13                 |                              | 0        |
|                                 | 36      | 0         | 24.10                 | 23.94                 | 24.01                 | 24.01                 | 24.05                 | 0-1                          | 0        |
|                                 | 36      | 18        | 24.18                 | 23.97                 | 24.07                 | 24.07                 | 24.13                 |                              | 0        |
|                                 | 36      | 37        | 24.16                 | 23.95                 | 24.04                 | 24.04                 | 24.15                 |                              | 0        |
|                                 | 75      | 0         | 24.15                 | 23.93                 | 24.03                 | 24.05                 | 24.13                 |                              | 0        |
| 16QAM                           | 1       | 0         | 24.09                 | 24.02                 | 24.15                 | 23.85                 | 24.12                 | 0-1                          | 0        |
|                                 | 1       | 36        | 24.20                 | 24.15                 | 24.18                 | 23.96                 | 24.20                 |                              | 0        |
|                                 | 1       | 74        | 24.05                 | 23.98                 | 24.16                 | 23.85                 | 24.12                 |                              | 0        |
|                                 | 36      | 0         | 23.06                 | 22.99                 | 22.96                 | 23.07                 | 23.02                 | 0-2                          | 1        |
|                                 | 36      | 18        | 23.17                 | 23.05                 | 23.02                 | 23.13                 | 23.06                 |                              | 1        |
|                                 | 36      | 37        | 23.16                 | 23.01                 | 23.01                 | 23.07                 | 23.09                 |                              | 1        |
|                                 | 75      | 0         | 23.16                 | 22.88                 | 22.98                 | 23.01                 | 23.05                 |                              | 1        |
| 64QAM                           | 1       | 0         | 23.09                 | 23.06                 | 22.87                 | 22.64                 | 22.83                 | 0-2                          | 1        |
|                                 | 1       | 36        | 23.16                 | 23.16                 | 23.00                 | 22.79                 | 23.05                 |                              | 1        |
|                                 | 1       | 74        | 22.99                 | 23.03                 | 22.84                 | 22.67                 | 22.95                 |                              | 1        |
|                                 | 36      | 0         | 22.08                 | 21.95                 | 21.95                 | 21.96                 | 22.01                 | 0-3                          | 2        |
|                                 | 36      | 18        | 22.13                 | 21.99                 | 22.00                 | 22.03                 | 22.05                 |                              | 2        |
|                                 | 36      | 37        | 22.13                 | 21.97                 | 21.97                 | 21.98                 | 22.06                 |                              | 2        |
|                                 | 75      | 0         | 22.15                 | 21.88                 | 21.98                 | 21.98                 | 22.01                 |                              | 2        |

|                                                |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset | Page 92 of 227                                                                        |                                        |



**Table 9-63**  
**LTE Band 41 PC3 Reduced Conducted Powers – 10 MHz Bandwidth**

| LTE Band 41<br>10 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                              |          |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                              |          |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                              |          |
| QPSK                            | 1       | 0         | 24.17                 | 24.19                 | 24.13                 | 24.10                 | 24.03                 | 0                            | 0        |
|                                 | 1       | 25        | 24.20                 | 24.17                 | 24.05                 | 24.14                 | 24.08                 |                              | 0        |
|                                 | 1       | 49        | 24.15                 | 24.05                 | 24.11                 | 24.13                 | 24.09                 |                              | 0        |
|                                 | 25      | 0         | 23.88                 | 24.03                 | 24.08                 | 24.05                 | 24.13                 | 0-1                          | 0        |
|                                 | 25      | 12        | 23.94                 | 24.06                 | 24.10                 | 24.08                 | 24.11                 |                              | 0        |
|                                 | 25      | 25        | 24.00                 | 24.12                 | 24.11                 | 24.08                 | 24.14                 |                              | 0        |
| 16QAM                           | 50      | 0         | 23.95                 | 24.17                 | 24.12                 | 24.14                 | 24.17                 | 0                            |          |
|                                 | 1       | 0         | 23.91                 | 24.15                 | 24.07                 | 24.01                 | 24.03                 | 0-1                          | 0        |
|                                 | 1       | 25        | 23.90                 | 24.12                 | 24.14                 | 24.01                 | 24.09                 |                              | 0        |
|                                 | 1       | 49        | 23.89                 | 24.08                 | 24.07                 | 24.02                 | 24.12                 |                              | 0        |
|                                 | 25      | 0         | 22.88                 | 23.20                 | 23.09                 | 23.09                 | 23.14                 | 0-2                          | 1        |
|                                 | 25      | 12        | 22.96                 | 23.19                 | 23.13                 | 23.11                 | 23.11                 |                              | 1        |
|                                 | 25      | 25        | 22.99                 | 23.20                 | 23.14                 | 23.11                 | 23.18                 |                              | 1        |
|                                 | 50      | 0         | 22.96                 | 23.19                 | 23.09                 | 23.10                 | 23.09                 | 1                            |          |
| 64QAM                           | 1       | 0         | 23.11                 | 22.99                 | 23.16                 | 22.88                 | 23.09                 | 0-2                          | 1        |
|                                 | 1       | 25        | 23.15                 | 22.96                 | 23.17                 | 22.95                 | 23.07                 |                              | 1        |
|                                 | 1       | 49        | 23.12                 | 22.95                 | 23.09                 | 22.93                 | 23.20                 |                              | 1        |
|                                 | 25      | 0         | 22.18                 | 22.03                 | 22.02                 | 21.99                 | 22.02                 | 0-3                          | 2        |
|                                 | 25      | 12        | 22.15                 | 22.04                 | 22.05                 | 22.01                 | 22.02                 |                              | 2        |
|                                 | 25      | 25        | 22.19                 | 22.01                 | 22.03                 | 22.01                 | 22.06                 |                              | 2        |
|                                 | 50      | 0         | 22.20                 | 22.02                 | 22.06                 | 22.07                 | 22.04                 |                              | 2        |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 93 of 227                  |

**Table 9-64**  
**LTE Band 41 PC3 Reduced Conducted Powers – 5 MHz Bandwidth**

| LTE Band 41<br>5 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                              |          |   |
|--------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|---|
| Modulation                     | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |   |
|                                |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                              |          |   |
|                                |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                              |          |   |
| QPSK                           | 1       | 0         | 24.16                 | 24.19                 | 24.07                 | 24.11                 | 24.06                 | 0                            | 0        |   |
|                                | 1       | 12        | 24.14                 | 24.13                 | 24.05                 | 24.12                 | 24.11                 |                              | 0        |   |
|                                | 1       | 24        | 24.16                 | 24.15                 | 24.13                 | 24.13                 | 24.11                 |                              | 0        |   |
|                                | 12      | 0         | 23.96                 | 24.02                 | 24.12                 | 24.07                 | 23.88                 | 0-1                          | 0        |   |
|                                | 12      | 6         | 23.97                 | 24.00                 | 24.09                 | 24.06                 | 23.87                 |                              | 0        |   |
|                                | 12      | 13        | 23.97                 | 23.98                 | 24.13                 | 24.09                 | 23.88                 |                              | 0        |   |
| 16QAM                          | 25      | 0         | 23.97                 | 24.01                 | 24.15                 | 24.11                 | 23.89                 | 0-1                          | 0        |   |
|                                | 1       | 0         | 24.11                 | 24.17                 | 24.18                 | 24.02                 | 24.08                 |                              | 0        |   |
|                                | 1       | 12        | 24.13                 | 24.16                 | 24.18                 | 24.03                 | 24.14                 |                              | 0        |   |
|                                | 1       | 24        | 24.12                 | 24.14                 | 24.19                 | 24.03                 | 24.05                 | 0-2                          | 0        |   |
|                                | 12      | 0         | 23.13                 | 22.99                 | 23.09                 | 23.15                 | 23.08                 |                              | 1        |   |
|                                | 12      | 6         | 23.15                 | 23.19                 | 23.05                 | 23.12                 | 23.05                 |                              | 1        |   |
|                                | 12      | 13        | 23.14                 | 23.19                 | 23.04                 | 23.16                 | 23.04                 |                              | 1        |   |
| 64QAM                          | 25      | 0         | 23.18                 | 23.15                 | 23.09                 | 23.13                 | 23.06                 | 0-2                          | 1        |   |
|                                | 1       | 0         | 23.08                 | 23.16                 | 23.01                 | 23.17                 | 22.92                 |                              | 0-2      | 1 |
|                                | 1       | 12        | 23.08                 | 23.16                 | 23.03                 | 23.18                 | 22.97                 |                              |          | 1 |
|                                | 1       | 24        | 23.07                 | 23.14                 | 22.98                 | 23.02                 | 22.96                 | 0-3                          | 1        |   |
|                                | 12      | 0         | 22.18                 | 22.06                 | 22.13                 | 22.02                 | 22.09                 |                              | 2        |   |
|                                | 12      | 6         | 22.18                 | 22.01                 | 22.09                 | 22.01                 | 22.07                 |                              | 2        |   |
|                                | 12      | 13        | 22.19                 | 22.10                 | 22.08                 | 22.02                 | 22.07                 |                              | 2        |   |
| 25                             | 0       | 22.14     | 22.03                 | 22.08                 | 22.07                 | 22.06                 |                       | 2                            |          |   |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 94 of 227                  |

**Table 9-65**  
**LTE Band 41 PC2 Maximum Conducted Powers - 20 MHz Bandwidth**

| LTE Band 41<br>20 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                              |          |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                              |          |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                              |          |
| QPSK                            | 1       | 0         | 26.44                 | 26.17                 | 26.23                 | 26.16                 | 26.23                 | 0                            | 0        |
|                                 | 1       | 50        | 26.52                 | 26.27                 | 26.33                 | 26.26                 | 26.38                 |                              | 0        |
|                                 | 1       | 99        | 26.31                 | 26.17                 | 26.24                 | 26.19                 | 26.33                 |                              | 0        |
|                                 | 50      | 0         | 25.99                 | 25.98                 | 25.95                 | 25.82                 | 26.00                 | 0-1                          | 1        |
|                                 | 50      | 25        | 26.13                 | 25.99                 | 25.98                 | 25.88                 | 26.01                 |                              | 1        |
|                                 | 50      | 50        | 26.20                 | 25.99                 | 25.96                 | 25.85                 | 25.99                 |                              | 1        |
|                                 | 100     | 0         | 26.11                 | 25.94                 | 25.95                 | 25.82                 | 25.95                 |                              | 1        |

|                                                |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset | Page 95 of 227                                                                        |                                        |

**Table 9-66**  
**LTE Band 41 PC2 Reduced Conducted Powers – 20 MHz Bandwidth**

| LTE Band 41<br>20 MHz Bandwidth |         |           |                       |                       |                       |                       |                       |                              |          |
|---------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|----------|
| Modulation                      | RB Size | RB Offset | Low Channel           | Low-Mid Channel       | Mid Channel           | Mid-High Channel      | High Channel          | MPR Allowed per<br>3GPP [dB] | MPR [dB] |
|                                 |         |           | 39750<br>(2506.0 MHz) | 40185<br>(2549.5 MHz) | 40620<br>(2593.0 MHz) | 41055<br>(2636.5 MHz) | 41490<br>(2680.0 MHz) |                              |          |
|                                 |         |           | Conducted Power [dBm] |                       |                       |                       |                       |                              |          |
| QPSK                            | 1       | 0         | 26.30                 | 26.20                 | 26.21                 | 26.12                 | 26.20                 | 0                            | 0        |
|                                 | 1       | 50        | 26.56                 | 26.14                 | 26.33                 | 26.13                 | 26.28                 |                              | 0        |
|                                 | 1       | 99        | 26.41                 | 26.04                 | 26.22                 | 26.03                 | 26.17                 |                              | 0        |
|                                 | 50      | 0         | 26.46                 | 26.31                 | 26.34                 | 26.16                 | 26.37                 | 0-1                          | 0        |
|                                 | 50      | 25        | 26.61                 | 26.24                 | 26.38                 | 26.22                 | 26.38                 |                              | 0        |
|                                 | 50      | 50        | 26.70                 | 26.23                 | 26.34                 | 26.15                 | 26.34                 |                              | 0        |
|                                 | 100     | 0         | 26.55                 | 26.20                 | 26.30                 | 26.14                 | 26.32                 |                              | 0        |

|                                                |                                                                                                                                                                                                              |                                      |  |                                                                                       |                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|--|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset |  |                                                                                       | Page 96 of 227                         |

## 9.4.9 LTE Uplink Carrier Aggregation Conducted Powers

**Table 9-67**  
**LTE B41 Uplink Carrier Aggregation Maximum Conducted Powers**

| Combination | PCC         |                     |                     |                             |            |            |                  | SCC         |                     |                     |                             |            |            |                  | Power                                 |                                   |
|-------------|-------------|---------------------|---------------------|-----------------------------|------------|------------|------------------|-------------|---------------------|---------------------|-----------------------------|------------|------------|------------------|---------------------------------------|-----------------------------------|
|             | PCC Band    | PCC Bandwidth [MHz] | PCC (UL/DL) Channel | PCC (UL/DL) Frequency [MHz] | Modulation | PCC UL# RB | PCC UL RB Offset | SCC Band    | SCC Bandwidth [MHz] | SCC (UL/DL) Channel | SCC (UL/DL) Frequency [MHz] | Modulation | SCC UL# RB | SCC UL RB Offset | LTE Tx.Power with UL CA Enabled (dBm) | LTE Single Carrier Tx Power (dBm) |
| CA_41C      | LTE B41     | 20                  | 39750               | 2506.0                      | QPSK       | 1          | 99               | LTE B41     | 20                  | 39948               | 2525.8                      | QPSK       | 1          | 0                | 24.40                                 | 24.52                             |
| Combination | PCC         |                     |                     |                             |            |            |                  | SCC         |                     |                     |                             |            |            |                  | Power                                 |                                   |
|             | PCC Band    | PCC Bandwidth [MHz] | PCC (UL/DL) Channel | PCC (UL/DL) Frequency [MHz] | Modulation | PCC UL# RB | PCC UL RB Offset | SCC Band    | SCC Bandwidth [MHz] | SCC (UL/DL) Channel | SCC (UL/DL) Frequency [MHz] | Modulation | SCC UL# RB | SCC UL RB Offset | LTE Tx.Power with UL CA Enabled (dBm) | LTE Single Carrier Tx Power (dBm) |
| CA_41C      | LTE B41 PC2 | 20                  | 39750               | 2506.0                      | QPSK       | 1          | 99               | LTE B41 PC2 | 20                  | 39948               | 2525.8                      | QPSK       | 1          | 0                | 26.54                                 | 26.31                             |

**Table 9-68**  
**LTE B41 Uplink Carrier Aggregation Reduced Conducted Powers**

| Combination | PCC         |                     |                     |                             |            |            |                  | SCC         |                     |                     |                             |            |            |                  | Power                                 |                                   |
|-------------|-------------|---------------------|---------------------|-----------------------------|------------|------------|------------------|-------------|---------------------|---------------------|-----------------------------|------------|------------|------------------|---------------------------------------|-----------------------------------|
|             | PCC Band    | PCC Bandwidth [MHz] | PCC (UL/DL) Channel | PCC (UL/DL) Frequency [MHz] | Modulation | PCC UL# RB | PCC UL RB Offset | SCC Band    | SCC Bandwidth [MHz] | SCC (UL/DL) Channel | SCC (UL/DL) Frequency [MHz] | Modulation | SCC UL# RB | SCC UL RB Offset | LTE Tx.Power with UL CA Enabled (dBm) | LTE Single Carrier Tx Power (dBm) |
| CA_41C      | LTE B41     | 20                  | 39750               | 2506.0                      | QPSK       | 1          | 99               | LTE B41     | 20                  | 39948               | 2525.8                      | QPSK       | 1          | 0                | 24.00                                 | 24.11                             |
| CA_41C      | LTE B41     | 20                  | 40185               | 2549.5                      | QPSK       | 50         | 50               | LTE B41     | 20                  | 40383               | 2569.3                      | QPSK       | 50         | 0                | 24.10                                 | 24.18                             |
| Combination | PCC         |                     |                     |                             |            |            |                  | SCC         |                     |                     |                             |            |            |                  | Power                                 |                                   |
|             | PCC Band    | PCC Bandwidth [MHz] | PCC (UL/DL) Channel | PCC (UL/DL) Frequency [MHz] | Modulation | PCC UL# RB | PCC UL RB Offset | SCC Band    | SCC Bandwidth [MHz] | SCC (UL/DL) Channel | SCC (UL/DL) Frequency [MHz] | Modulation | SCC UL# RB | SCC UL RB Offset | LTE Tx.Power with UL CA Enabled (dBm) | LTE Single Carrier Tx Power (dBm) |
| CA_41C      | LTE B41 PC2 | 20                  | 39750               | 2506.0                      | QPSK       | 1          | 99               | LTE B41 PC2 | 20                  | 39948               | 2525.8                      | QPSK       | 1          | 0                | 26.03                                 | 26.41                             |
| CA_41C      | LTE B41 PC2 | 20                  | 40185               | 2549.5                      | QPSK       | 50         | 50               | LTE B41 PC2 | 20                  | 40383               | 2569.3                      | QPSK       | 50         | 0                | 26.00                                 | 26.23                             |

### Notes:

1. This device supports uplink carrier aggregation for LTE CA\_41C with a maximum of two component carriers. For intraband contiguous carrier aggregation scenarios, 3GPP 36.101 Table 6.2.2A-1 specifies that the aggregate maximum allowed output power is equivalent to the single carrier scenario. 3GPP 36.101 6.2.3A allows for several dB of MPR to be applied when non-contiguous RB allocation is implemented. The conducted powers and MPR settings in this device are permanently implemented per the above 3GPP requirements.
2. Per FCC Guidance, the output power with uplink CA active was measured for the configuration with the highest reported SAR with single carrier for each exposure condition. The power was measured with wideband signal integration over both component carriers.



**Figure 9-4**  
**Power Measurement Setup**

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 97 of 227                  |

## 9.5 NR Conducted Powers

### 9.5.1 NR Band n71

Table 9-69  
NR Band n71 Maximum Conducted Powers - 20 MHz Bandwidth

| NR Band n71<br>20 MHz Bandwidth |         |           |                                                   |                                    |             |
|---------------------------------|---------|-----------|---------------------------------------------------|------------------------------------|-------------|
| Modulation                      | RB Size | RB Offset | Channel                                           | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|                                 |         |           | 136100<br>(680.5 MHz)<br>Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 25.36                                             | 0                                  | 0.0         |
|                                 | 1       | 53        | 25.40                                             |                                    | 0.0         |
|                                 | 1       | 104       | 25.32                                             |                                    | 0.0         |
|                                 | 50      | 0         | 25.33                                             | 0-0.5                              | 0.0         |
|                                 | 50      | 28        | 25.42                                             | 0                                  | 0.0         |
|                                 | 50      | 56        | 25.30                                             | 0-0.5                              | 0.0         |
|                                 | 100     | 0         | 25.45                                             |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 25.33                                             | 0                                  | 0.0         |
|                                 | 1       | 53        | <b>25.36</b>                                      |                                    | 0.0         |
|                                 | 1       | 104       | 25.29                                             |                                    | 0.0         |
|                                 | 50      | 0         | 25.33                                             | 0-1                                | 0.0         |
|                                 | 50      | 28        | <b>25.46</b>                                      | 0                                  | 0.0         |
|                                 | 50      | 56        | 25.44                                             | 0-1                                | 0.0         |
|                                 | 100     | 0         | <b>25.35</b>                                      |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 24.07                                             | 0-1                                | 1.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 23.91                                             | 0-1.5                              | 1.5         |

Note: NR Band n71 at 20 MHz bandwidth does not support non-overlapping channels. Per FCC Guidance, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                         |                                                                                                                                                                                                              |                               |                                                                                       |                                 |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  <b>PCTEST</b><br>Proud to be part of  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                                           | DUT Type:<br>Portable Handset |                                                                                       | Page 98 of 227                  |

**Table 9-70**  
**NR Band n71 Maximum Conducted Powers - 15 MHz Bandwidth**  
**NR Band n71**  
**15 MHz Bandwidth**

| NR Band n71<br>15 MHz Bandwidth        |         |           |                                                       |                                    |             |
|----------------------------------------|---------|-----------|-------------------------------------------------------|------------------------------------|-------------|
| Modulation                             | RB Size | RB Offset | Channel                                               | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|                                        |         |           | 136100<br>(680.5 MHz)<br><br>Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK             | 1       | 1         | 25.31                                                 | 0                                  | 0.0         |
|                                        | 1       | 40        | 25.30                                                 |                                    | 0.0         |
|                                        | 1       | 77        | 25.21                                                 |                                    | 0.0         |
|                                        | 36      | 0         | 25.36                                                 | 0-0.5                              | 0.0         |
|                                        | 36      | 22        | 25.35                                                 | 0                                  | 0.0         |
|                                        | 36      | 43        | 25.23                                                 | 0-0.5                              | 0.0         |
|                                        | 75      | 0         | 25.35                                                 |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK                     | 1       | 1         | 25.26                                                 | 0                                  | 0.0         |
|                                        | 1       | 40        | 25.28                                                 |                                    | 0.0         |
|                                        | 1       | 77        | 25.12                                                 |                                    | 0.0         |
|                                        | 36      | 0         | 25.35                                                 | 0-1                                | 0.0         |
|                                        | 36      | 22        | 25.42                                                 | 0                                  | 0.0         |
|                                        | 36      | 43        | 25.31                                                 | 0-1                                | 0.0         |
|                                        | 75      | 0         | 25.40                                                 |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM<br>CP-OFDM<br>QPSK | 1       | 1         | 24.05                                                 | 0-1                                | 1.0         |
|                                        | 1       | 1         | 23.82                                                 | 0-1.5                              | 1.5         |

Note: NR Band n71 at 15 MHz bandwidth does not support non-overlapping channels. Per FCC Guidance, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                         |                                                                                                                                                                                                                      |                               |                                                                                                 |                                 |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  <b>PCTEST</b><br>Proud to be part of  element | SAR EVALUATION REPORT         |  <b>LG</b> | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                                                   | DUT Type:<br>Portable Handset | Page 99 of 227                                                                                  |                                 |

**Table 9-71**  
**NR Band n71 Maximum Conducted Powers - 10 MHz Bandwidth**

| NR Band n71<br>10 MHz Bandwidth        |         |           |                       |                       |                     |                                    |             |
|----------------------------------------|---------|-----------|-----------------------|-----------------------|---------------------|------------------------------------|-------------|
|                                        |         |           | Channel               |                       |                     | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                             | RB Size | RB Offset | 133600<br>(668 MHz)   | 136100<br>(680.5 MHz) | 138600<br>(693 MHz) |                                    |             |
|                                        |         |           | Conducted Power [dBm] |                       |                     |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK             | 1       | 1         | 25.62                 | 25.25                 | 25.23               | 0                                  | 0.0         |
|                                        | 1       | 26        | 25.60                 | 25.36                 | 25.24               |                                    | 0.0         |
|                                        | 1       | 50        | 25.46                 | 25.25                 | 25.43               |                                    | 0.0         |
|                                        | 25      | 0         | 25.50                 | 25.34                 | 25.26               | 0-0.5                              | 0.0         |
|                                        | 25      | 14        | 25.53                 | 25.32                 | 25.31               | 0                                  | 0.0         |
|                                        | 25      | 27        | 25.55                 | 25.31                 | 25.22               | 0-0.5                              | 0.0         |
|                                        | 50      | 0         | 25.48                 | 25.33                 | 25.24               |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK                     | 1       | 1         | 25.46                 | 25.29                 | 25.13               | 0                                  | 0.0         |
|                                        | 1       | 26        | 25.47                 | 25.27                 | 25.23               |                                    | 0.0         |
|                                        | 1       | 50        | 25.43                 | 25.24                 | 25.31               |                                    | 0.0         |
|                                        | 25      | 0         | 25.39                 | 25.38                 | 25.34               | 0-1                                | 0.0         |
|                                        | 25      | 14        | 25.51                 | 25.33                 | 25.39               | 0                                  | 0.0         |
|                                        | 25      | 27        | 25.52                 | 25.37                 | 25.31               | 0-1                                | 0.0         |
|                                        | 50      | 0         | 25.44                 | 25.39                 | 25.37               |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM<br>CP-OFDM<br>QPSK | 1       | 1         | 24.09                 | 24.05                 | 24.16               | 0-1                                | 1.0         |
|                                        | 1       | 1         | 23.94                 | 23.88                 | 23.88               | 0-1.5                              | 1.5         |

|                                                |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
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| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset | Page 100 of 227                                                                       |                                        |



**Table 9-72**  
**NR Band n71 Maximum Conducted Powers - 5 MHz Bandwidth**

| NR Band n71<br>5 MHz Bandwidth         |         |           |                       |                       |                       |                                    |             |
|----------------------------------------|---------|-----------|-----------------------|-----------------------|-----------------------|------------------------------------|-------------|
|                                        |         |           | Channel               |                       |                       | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                             | RB Size | RB Offset | 133100<br>(665.5 MHz) | 136100<br>(680.5 MHz) | 139100<br>(695.5 MHz) |                                    |             |
|                                        |         |           | Conducted Power [dBm] |                       |                       |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK             | 1       | 1         | 25.65                 | 25.38                 | 25.29                 | 0                                  | 0.0         |
|                                        | 1       | 13        | 25.55                 | 25.31                 | 25.27                 |                                    | 0.0         |
|                                        | 1       | 23        | 25.49                 | 25.26                 | 25.31                 |                                    | 0.0         |
|                                        | 12      | 0         | 25.50                 | 25.39                 | 25.22                 | 0-0.5                              | 0.0         |
|                                        | 12      | 7         | 25.49                 | 25.39                 | 25.28                 | 0                                  | 0.0         |
|                                        | 12      | 13        | 25.46                 | 25.31                 | 25.32                 | 0-0.5                              | 0.0         |
|                                        | 25      | 0         | 25.49                 | 25.32                 | 25.24                 |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK                     | 1       | 1         | 25.53                 | 25.31                 | 25.23                 | 0                                  | 0.0         |
|                                        | 1       | 13        | 25.42                 | 25.30                 | 25.26                 |                                    | 0.0         |
|                                        | 1       | 23        | 25.40                 | 25.19                 | 25.32                 |                                    | 0.0         |
|                                        | 12      | 0         | 25.46                 | 25.43                 | 25.34                 | 0-1                                | 0.0         |
|                                        | 12      | 7         | 25.44                 | 25.36                 | 25.35                 | 0                                  | 0.0         |
|                                        | 12      | 13        | 25.39                 | 25.32                 | 25.35                 | 0-1                                | 0.0         |
|                                        | 25      | 0         | 25.42                 | 25.32                 | 25.29                 |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM<br>CP-OFDM<br>QPSK | 1       | 1         | 24.16                 | 24.04                 | 24.27                 | 0-1                                | 1.0         |
|                                        | 1       | 1         | 24.01                 | 23.91                 | 23.95                 | 0-1.5                              | 1.5         |

|                                                |                                                                                                                                                 |                                      |                                                                                       |                                        |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              |  <b>PCTEST</b><br><small>Proud to be part of element</small> | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                       | <b>DUT Type:</b><br>Portable Handset | Page 101 of 227                                                                       |                                        |

## 9.5.2

## NR Band n66 (AWS)

Table 9-73

NR Band n66 (AWS) SA Antenna 2 Maximum Conducted Powers - 40 MHz Bandwidth

| NR Band n66<br>40 MHz Bandwidth |         |           |                                                      |                                    |             |
|---------------------------------|---------|-----------|------------------------------------------------------|------------------------------------|-------------|
| Modulation                      | RB Size | RB Offset | Channel                                              | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|                                 |         |           | 349000<br>(1745 MHz)<br><br>Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 24.61                                                | 0                                  | 0.0         |
|                                 | 1       | 108       | 25.08                                                |                                    | 0.0         |
|                                 | 1       | 214       | 24.70                                                |                                    | 0.0         |
|                                 | 108     | 0         | 24.92                                                | 0-0.5                              | 0.0         |
|                                 | 108     | 54        | 25.08                                                | 0                                  | 0.0         |
|                                 | 108     | 108       | 25.02                                                | 0-0.5                              | 0.0         |
|                                 | 216     | 0         | 24.93                                                |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 24.67                                                | 0                                  | 0.0         |
|                                 | 1       | 108       | <b>25.19</b>                                         |                                    | 0.0         |
|                                 | 1       | 214       | 24.63                                                |                                    | 0.0         |
|                                 | 108     | 0         | 24.95                                                | 0-1                                | 0.0         |
|                                 | 108     | 54        | <b>25.04</b>                                         | 0                                  | 0.0         |
|                                 | 108     | 108       | 25.02                                                | 0-1                                | 0.0         |
|                                 | 216     | 0         | 24.90                                                |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 23.45                                                | 0-1                                | 1.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 23.15                                                | 0-1.5                              | 1.5         |

Note: NR Band n66 at 40 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                         |                                                                                                                                                                                                              |                               |                                                                                       |                                 |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  <b>PCTEST</b><br>Proud to be part of  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                                           | DUT Type:<br>Portable Handset |                                                                                       | Page 102 of 227                 |

Table 9-74

## NR Band n66 (AWS) SA Antenna 2 Maximum Conducted Powers - 20 MHz Bandwidth

| NR Band n66<br>20 MHz Bandwidth |         |           |                       |                      |                      |                                    |             |
|---------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------------|-------------|
|                                 |         |           | Channel               |                      |                      | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                      | RB Size | RB Offset | 344000<br>(1720 MHz)  | 349000<br>(1745 MHz) | 354000<br>(1770 MHz) |                                    |             |
|                                 |         |           | Conducted Power [dBm] |                      |                      |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 25.08                 | 25.04                | 24.85                | 0                                  | 0.0         |
|                                 | 1       | 53        | 25.20                 | 25.13                | 24.96                |                                    | 0.0         |
|                                 | 1       | 104       | 25.19                 | 25.16                | 25.00                |                                    | 0.0         |
|                                 | 50      | 0         | 25.03                 | 24.94                | 25.02                | 0-0.5                              | 0.0         |
|                                 | 50      | 28        | 25.20                 | 25.12                | 25.04                | 0                                  | 0.0         |
|                                 | 50      | 56        | 25.18                 | 25.09                | 25.01                | 0-0.5                              | 0.0         |
|                                 | 100     | 0         | 25.13                 | 25.10                | 25.05                |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 25.00                 | 25.06                | 24.89                | 0                                  | 0.0         |
|                                 | 1       | 53        | 25.20                 | 25.13                | 25.04                |                                    | 0.0         |
|                                 | 1       | 104       | 25.12                 | 25.08                | 25.09                |                                    | 0.0         |
|                                 | 50      | 0         | 24.64                 | 25.02                | 25.11                | 0-1                                | 0.0         |
|                                 | 50      | 28        | 24.88                 | 25.11                | 25.12                | 0                                  | 0.0         |
|                                 | 50      | 56        | 24.95                 | 25.08                | 25.08                | 0-1                                | 0.0         |
|                                 | 100     | 0         | 24.92                 | 25.05                | 25.07                |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 23.67                 | 23.82                | 23.74                | 0-1                                | 1.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 23.39                 | 23.52                | 23.40                | 0-1.5                              | 1.5         |

|                                         |                                                                                                                                                                                                              |                               |                                                                                       |                                 |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  <b>PCTEST</b><br>Proud to be part of  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                                           | DUT Type:<br>Portable Handset |                                                                                       | Page 103 of 227                 |

**Table 9-75**  
**NR Band n66 (AWS) SA Antenna 2 Maximum Conducted Powers - 15 MHz Bandwidth**

| NR Band n66<br>15 MHz Bandwidth |         |           |                        |                      |                        |                                    |             |
|---------------------------------|---------|-----------|------------------------|----------------------|------------------------|------------------------------------|-------------|
|                                 |         |           | Channel                |                      |                        | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                      | RB Size | RB Offset | 343500<br>(1717.5 MHz) | 349000<br>(1745 MHz) | 354500<br>(1772.5 MHz) |                                    |             |
|                                 |         |           | Conducted Power [dBm]  |                      |                        |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 24.91                  | 24.78                | 24.84                  | 0                                  | 0.0         |
|                                 | 1       | 40        | 25.13                  | 25.14                | 25.07                  |                                    | 0.0         |
|                                 | 1       | 77        | 25.07                  | 25.06                | 25.09                  |                                    | 0.0         |
|                                 | 36      | 0         | 24.87                  | 25.07                | 25.03                  | 0-0.5                              | 0.0         |
|                                 | 36      | 22        | 25.08                  | 25.11                | 25.14                  | 0                                  | 0.0         |
|                                 | 36      | 43        | 25.20                  | 25.06                | 25.16                  | 0-0.5                              | 0.0         |
|                                 | 75      | 0         | 25.09                  | 25.10                | 25.12                  |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 24.83                  | 24.88                | 24.90                  | 0                                  | 0.0         |
|                                 | 1       | 40        | 25.06                  | 25.09                | 24.99                  |                                    | 0.0         |
|                                 | 1       | 77        | 24.93                  | 25.04                | 25.00                  |                                    | 0.0         |
|                                 | 36      | 0         | 24.92                  | 24.76                | 25.11                  | 0-1                                | 0.0         |
|                                 | 36      | 22        | 25.01                  | 24.99                | 25.09                  | 0                                  | 0.0         |
|                                 | 36      | 43        | 25.06                  | 24.98                | 25.13                  | 0-1                                | 0.0         |
|                                 | 75      | 0         | 25.11                  | 24.92                | 25.12                  |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 23.68                  | 23.53                | 23.70                  | 0-1                                | 1.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 23.36                  | 23.40                | 23.36                  | 0-1.5                              | 1.5         |

|                                                |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset | Page 104 of 227                                                                       |                                        |

**Table 9-76**  
**NR Band n66 (AWS) SA Antenna 2 Maximum Conducted Powers - 10 MHz Bandwidth**

| NR Band n66<br>10 MHz Bandwidth |         |           |                       |                      |                      |                                    |             |
|---------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------------|-------------|
|                                 |         |           | Channel               |                      |                      | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                      | RB Size | RB Offset | 343000<br>(1715 MHz)  | 349000<br>(1745 MHz) | 355000<br>(1775 MHz) |                                    |             |
|                                 |         |           | Conducted Power [dBm] |                      |                      |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 25.00                 | 24.88                | 24.97                | 0                                  | 0.0         |
|                                 | 1       | 26        | 25.20                 | 25.17                | 25.04                |                                    | 0.0         |
|                                 | 1       | 50        | 25.17                 | 25.14                | 25.06                |                                    | 0.0         |
|                                 | 25      | 0         | 24.96                 | 25.07                | 25.13                | 0-0.5                              | 0.0         |
|                                 | 25      | 14        | 25.09                 | 25.10                | 24.95                | 0                                  | 0.0         |
|                                 | 25      | 27        | 25.11                 | 25.11                | 25.09                | 0-0.5                              | 0.0         |
|                                 | 50      | 0         | 25.08                 | 25.06                | 25.06                |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 24.96                 | 24.98                | 24.93                | 0                                  | 0.0         |
|                                 | 1       | 26        | 25.08                 | 25.13                | 25.04                |                                    | 0.0         |
|                                 | 1       | 50        | 25.11                 | 25.03                | 25.03                |                                    | 0.0         |
|                                 | 25      | 0         | 25.00                 | 24.93                | 25.09                | 0-1                                | 0.0         |
|                                 | 25      | 14        | 25.07                 | 25.06                | 25.04                | 0                                  | 0.0         |
|                                 | 25      | 27        | 25.10                 | 25.12                | 25.07                | 0-1                                | 0.0         |
|                                 | 50      | 0         | 25.03                 | 25.06                | 25.06                |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 23.74                 | 23.73                | 23.74                | 0-1                                | 1.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 23.43                 | 23.43                | 23.41                | 0-1.5                              | 1.5         |

|                                         |                                                                                                                                   |                               |                                                                                       |                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       | <br><small>Proud to be part of element</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                | DUT Type:<br>Portable Handset |                                                                                       | Page 105 of 227                 |

**Table 9-77**  
**NR Band n66 (AWS) SA Antenna 2 Maximum Conducted Powers - 5 MHz Bandwidth**

| NR Band n66<br>5 MHz Bandwidth |         |           |                        |                      |                        |                                    |             |
|--------------------------------|---------|-----------|------------------------|----------------------|------------------------|------------------------------------|-------------|
|                                |         |           | Channel                |                      |                        | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                     | RB Size | RB Offset | 342500<br>(1712.5 MHz) | 349000<br>(1745 MHz) | 355500<br>(1777.5 MHz) |                                    |             |
|                                |         |           | Conducted Power [dBm]  |                      |                        |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK     | 1       | 1         | 24.98                  | 25.16                | 24.92                  | 0                                  | 0.0         |
|                                | 1       | 13        | 24.89                  | 25.11                | 25.06                  |                                    | 0.0         |
|                                | 1       | 23        | 24.97                  | 25.09                | 25.04                  |                                    | 0.0         |
|                                | 12      | 0         | 25.07                  | 25.05                | 25.04                  | 0-0.5                              | 0.0         |
|                                | 12      | 7         | 25.06                  | 25.02                | 25.06                  | 0                                  | 0.0         |
|                                | 12      | 13        | 25.08                  | 25.02                | 25.01                  | 0-0.5                              | 0.0         |
|                                | 25      | 0         | 25.02                  | 25.06                | 25.05                  |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK             | 1       | 1         | 24.99                  | 24.98                | 24.77                  | 0                                  | 0.0         |
|                                | 1       | 13        | 24.95                  | 25.00                | 24.98                  |                                    | 0.0         |
|                                | 1       | 23        | 25.06                  | 25.09                | 25.05                  |                                    | 0.0         |
|                                | 12      | 0         | 25.01                  | 25.07                | 25.08                  | 0-1                                | 0.0         |
|                                | 12      | 7         | 25.03                  | 25.03                | 25.04                  | 0                                  | 0.0         |
|                                | 12      | 13        | 25.01                  | 25.00                | 25.01                  | 0-1                                | 0.0         |
|                                | 25      | 0         | 25.02                  | 25.03                | 25.02                  |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM            | 1       | 1         | 23.74                  | 23.81                | 23.73                  | 0-1                                | 1.0         |
| CP-OFDM<br>QPSK                | 1       | 1         | 23.46                  | 23.56                | 23.49                  | 0-1.5                              | 1.5         |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 106 of 227                 |

**Table 9-78**  
**NR Band n66 (AWS) SA Antenna 2 Reduced Conducted Powers - 40 MHz Bandwidth**  
**NR Band n66**  
**40 MHz Bandwidth**

| Modulation                 | RB Size | RB Offset | Channel                  | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|----------------------------|---------|-----------|--------------------------|------------------------------------|-------------|
|                            |         |           | 349000<br>(1745 MHz)     |                                    |             |
|                            |         |           | Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK | 1       | 1         | 22.29                    | 0                                  | 0.0         |
|                            | 1       | 108       | 22.66                    |                                    | 0.0         |
|                            | 1       | 214       | 22.23                    |                                    | 0.0         |
|                            | 108     | 0         | 22.66                    | 0-0.5                              | 0.0         |
|                            | 108     | 54        | 22.81                    | 0                                  | 0.0         |
|                            | 108     | 108       | 22.79                    | 0-0.5                              | 0.0         |
|                            | 216     | 0         | 22.72                    |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK         | 1       | 1         | 22.45                    | 0                                  | 0.0         |
|                            | 1       | 108       | <b>23.01</b>             |                                    | 0.0         |
|                            | 1       | 214       | 22.50                    |                                    | 0.0         |
|                            | 108     | 0         | 22.84                    | 0-1                                | 0.0         |
|                            | 108     | 54        | <b>22.95</b>             | 0                                  | 0.0         |
|                            | 108     | 108       | 22.90                    | 0-1                                | 0.0         |
|                            | 216     | 0         | 22.79                    |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM        | 1       | 1         | 22.30                    | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK            | 1       | 1         | 22.51                    | 0-1.5                              | 0.0         |

Note: NR Band n66 at 40 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                         |                                                                                                                                                                                                              |                               |                                                                                                 |                                 |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  <b>PCTEST</b><br>Proud to be part of  | SAR EVALUATION REPORT         |  <b>LG</b> | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                                           | DUT Type:<br>Portable Handset | Page 107 of 227                                                                                 |                                 |

**Table 9-79**  
**NR Band n66 (AWS) SA Antenna 2 Reduced Conducted Powers - 20 MHz Bandwidth**

| NR Band n66<br>20 MHz Bandwidth |         |           |                       |                      |                      |                                    |             |
|---------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------------|-------------|
|                                 |         |           | Channel               |                      |                      | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                      | RB Size | RB Offset | 344000<br>(1720 MHz)  | 349000<br>(1745 MHz) | 354000<br>(1770 MHz) |                                    |             |
|                                 |         |           | Conducted Power [dBm] |                      |                      |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 22.83                 | 22.75                | 22.78                | 0                                  | 0.0         |
|                                 | 1       | 53        | 23.04                 | 22.81                | 22.89                |                                    | 0.0         |
|                                 | 1       | 104       | 22.92                 | 22.76                | 22.86                |                                    | 0.0         |
|                                 | 50      | 0         | 22.72                 | 22.65                | 22.79                | 0-0.5                              | 0.0         |
|                                 | 50      | 28        | 22.87                 | 22.74                | 22.85                | 0                                  | 0.0         |
|                                 | 50      | 56        | 22.91                 | 22.75                | 22.77                | 0-0.5                              | 0.0         |
|                                 | 100     | 0         | 22.89                 | 22.79                | 22.82                |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 22.90                 | 22.73                | 22.76                | 0                                  | 0.0         |
|                                 | 1       | 53        | 23.04                 | 22.84                | 22.91                |                                    | 0.0         |
|                                 | 1       | 104       | 23.05                 | 22.82                | 22.98                |                                    | 0.0         |
|                                 | 50      | 0         | 22.79                 | 22.83                | 22.93                | 0-1                                | 0.0         |
|                                 | 50      | 28        | 22.95                 | 22.97                | 22.94                | 0                                  | 0.0         |
|                                 | 50      | 56        | 22.99                 | 22.94                | 22.96                | 0-1                                | 0.0         |
|                                 | 100     | 0         | 23.02                 | 22.89                | 22.96                |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 22.63                 | 22.68                | 22.52                | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 22.92                 | 22.94                | 22.86                | 0-1.5                              | 0.0         |

|                                                |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset | Page 108 of 227                                                                       |                                        |



**Table 9-80**  
**NR Band n66 (AWS) SA Antenna 2 Reduced Conducted Powers - 15 MHz Bandwidth**

| NR Band n66<br>15 MHz Bandwidth |         |           |                        |                      |                        |                                    |             |
|---------------------------------|---------|-----------|------------------------|----------------------|------------------------|------------------------------------|-------------|
|                                 |         |           | Channel                |                      |                        | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                      | RB Size | RB Offset | 343500<br>(1717.5 MHz) | 349000<br>(1745 MHz) | 354500<br>(1772.5 MHz) |                                    |             |
|                                 |         |           | Conducted Power [dBm]  |                      |                        |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 22.71                  | 22.65                | 22.70                  | 0                                  | 0.0         |
|                                 | 1       | 40        | 22.92                  | 22.82                | 22.60                  |                                    | 0.0         |
|                                 | 1       | 77        | 22.93                  | 22.73                | 22.89                  |                                    | 0.0         |
|                                 | 36      | 0         | 22.73                  | 22.83                | 22.71                  | 0-0.5                              | 0.0         |
|                                 | 36      | 22        | 22.83                  | 22.84                | 22.70                  | 0                                  | 0.0         |
|                                 | 36      | 43        | 22.88                  | 22.79                | 22.78                  | 0-0.5                              | 0.0         |
|                                 | 75      | 0         | 22.81                  | 22.78                | 22.82                  |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 22.69                  | 22.73                | 22.56                  | 0                                  | 0.0         |
|                                 | 1       | 40        | 22.71                  | 22.85                | 22.37                  |                                    | 0.0         |
|                                 | 1       | 77        | 22.81                  | 22.86                | 22.64                  |                                    | 0.0         |
|                                 | 36      | 0         | 22.56                  | 22.89                | 22.60                  | 0-1                                | 0.0         |
|                                 | 36      | 22        | 22.59                  | 22.92                | 22.44                  | 0                                  | 0.0         |
|                                 | 36      | 43        | 22.70                  | 22.85                | 22.50                  | 0-1                                | 0.0         |
|                                 | 75      | 0         | 22.52                  | 22.93                | 22.51                  |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 22.56                  | 22.66                | 22.57                  | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 22.76                  | 22.80                | 22.75                  | 0-1.5                              | 0.0         |

|                                                |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset | Page 109 of 227                                                                       |                                        |

Table 9-81

## NR Band n66 (AWS) SA Antenna 2 Reduced Conducted Powers - 10 MHz Bandwidth

| NR Band n66<br>10 MHz Bandwidth |         |           |                       |                      |                      |                                    |             |
|---------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------------|-------------|
|                                 |         |           | Channel               |                      |                      | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                      | RB Size | RB Offset | 343000<br>(1715 MHz)  | 349000<br>(1745 MHz) | 355000<br>(1775 MHz) |                                    |             |
|                                 |         |           | Conducted Power [dBm] |                      |                      |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 22.63                 | 22.57                | 22.82                | 0                                  | 0.0         |
|                                 | 1       | 26        | 22.98                 | 22.63                | 22.96                |                                    | 0.0         |
|                                 | 1       | 50        | 22.99                 | 22.74                | 22.91                |                                    | 0.0         |
|                                 | 25      | 0         | 22.72                 | 22.82                | 22.97                | 0-0.5                              | 0.0         |
|                                 | 25      | 14        | 22.93                 | 22.50                | 22.93                | 0                                  | 0.0         |
|                                 | 25      | 27        | 22.85                 | 22.69                | 22.96                | 0-0.5                              | 0.0         |
|                                 | 50      | 0         | 22.83                 | 22.23                | 22.91                |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 22.74                 | 22.59                | 22.88                | 0                                  | 0.0         |
|                                 | 1       | 26        | 22.90                 | 22.44                | 22.94                |                                    | 0.0         |
|                                 | 1       | 50        | 23.07                 | 22.47                | 22.93                |                                    | 0.0         |
|                                 | 25      | 0         | 22.88                 | 22.80                | 22.97                | 0-1                                | 0.0         |
|                                 | 25      | 14        | 22.98                 | 22.89                | 22.92                | 0                                  | 0.0         |
|                                 | 25      | 27        | 22.99                 | 22.43                | 22.95                | 0-1                                | 0.0         |
|                                 | 50      | 0         | 22.94                 | 22.87                | 22.94                |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 22.60                 | 22.46                | 22.62                | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 22.91                 | 22.67                | 22.86                | 0-1.5                              | 0.0         |

|                                         |                                                                                                                                                                                                              |                               |                                                                                       |                                 |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  <b>PCTEST</b><br>Proud to be part of  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                                           | DUT Type:<br>Portable Handset |                                                                                       | Page 110 of 227                 |

**Table 9-82**  
**NR Band n66 (AWS) SA Antenna 2 Reduced Conducted Powers - 5 MHz Bandwidth**

| NR Band n66<br>5 MHz Bandwidth |         |           |                        |                      |                        |                                    |             |
|--------------------------------|---------|-----------|------------------------|----------------------|------------------------|------------------------------------|-------------|
|                                |         |           | Channel                |                      |                        | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                     | RB Size | RB Offset | 342500<br>(1712.5 MHz) | 349000<br>(1745 MHz) | 355500<br>(1777.5 MHz) |                                    |             |
|                                |         |           | Conducted Power [dBm]  |                      |                        |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK     | 1       | 1         | 22.94                  | 22.93                | 22.68                  | 0                                  | 0.0         |
|                                | 1       | 13        | 22.98                  | 22.78                | 22.81                  |                                    | 0.0         |
|                                | 1       | 23        | 23.06                  | 22.85                | 22.85                  |                                    | 0.0         |
|                                | 12      | 0         | 22.90                  | 22.79                | 22.85                  | 0-0.5                              | 0.0         |
|                                | 12      | 7         | 22.86                  | 22.82                | 22.87                  | 0                                  | 0.0         |
|                                | 12      | 13        | 22.88                  | 22.77                | 22.87                  | 0-0.5                              | 0.0         |
|                                | 25      | 0         | 22.84                  | 22.81                | 22.84                  |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK             | 1       | 1         | 22.84                  | 22.87                | 22.88                  | 0                                  | 0.0         |
|                                | 1       | 13        | 22.87                  | 22.91                | 22.86                  |                                    | 0.0         |
|                                | 1       | 23        | 22.92                  | 22.89                | 22.91                  |                                    | 0.0         |
|                                | 12      | 0         | 22.89                  | 22.94                | 22.92                  | 0-1                                | 0.0         |
|                                | 12      | 7         | 22.91                  | 22.90                | 22.90                  | 0                                  | 0.0         |
|                                | 12      | 13        | 22.89                  | 22.83                | 22.90                  | 0-1                                | 0.0         |
|                                | 25      | 0         | 22.94                  | 22.58                | 22.92                  |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM            | 1       | 1         | 22.72                  | 22.59                | 22.64                  | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                | 1       | 1         | 22.98                  | 22.88                | 22.94                  | 0-1.5                              | 0.0         |

|                                         |                                                                                                                                                                                                               |                               |                                                                                       |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       | <br><small>Proud to be part of</small>  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                                            | DUT Type:<br>Portable Handset |                                                                                       | Page 111 of 227                 |

**Table 9-83**  
**NR Band n66 (AWS) NSA & SA Antenna 3 Maximum Conducted Powers - 40 MHz Bandwidth**

| NR Band n66<br>40 MHz Bandwidth |         |           |                          |                                    |             |
|---------------------------------|---------|-----------|--------------------------|------------------------------------|-------------|
| Modulation                      | RB Size | RB Offset | Channel                  | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|                                 |         |           | 349000<br>(1745 MHz)     |                                    |             |
|                                 |         |           | Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 24.55                    | 0                                  | 0.0         |
|                                 | 1       | 108       | 25.07                    |                                    | 0.0         |
|                                 | 1       | 214       | 24.64                    |                                    | 0.0         |
|                                 | 108     | 0         | 25.03                    | 0-0.5                              | 0.0         |
|                                 | 108     | 54        | 25.12                    | 0                                  | 0.0         |
|                                 | 108     | 108       | 25.08                    | 0-0.5                              | 0.0         |
|                                 | 216     | 0         | 25.01                    |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 24.54                    | 0                                  | 0.0         |
|                                 | 1       | 108       | <b>25.08</b>             |                                    | 0.0         |
|                                 | 1       | 214       | 24.63                    |                                    | 0.0         |
|                                 | 108     | 0         | 25.01                    | 0-1                                | 0.0         |
|                                 | 108     | 54        | <b>25.08</b>             | 0                                  | 0.0         |
|                                 | 108     | 108       | 25.05                    | 0-1                                | 0.0         |
|                                 | 216     | 0         | 24.96                    |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 23.57                    | 0-1                                | 1.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 23.46                    | 0-1.5                              | 1.5         |

Note: NR Band n66 at 40 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                         |                                                                                                                                                                                                              |                               |                                                                                                 |                                 |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  <b>PCTEST</b><br>Proud to be part of  | SAR EVALUATION REPORT         |  <b>LG</b> | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                                           | DUT Type:<br>Portable Handset | Page 112 of 227                                                                                 |                                 |

**Table 9-84**  
**NR Band n66 (AWS) NSA & SA Antenna 3 Maximum Conducted Powers - 20 MHz Bandwidth**

| NR Band n66<br>20 MHz Bandwidth |         |           |                       |                      |                      |                                    |             |
|---------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------------|-------------|
|                                 |         |           | Channel               |                      |                      | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                      | RB Size | RB Offset | 344000<br>(1720 MHz)  | 349000<br>(1745 MHz) | 354000<br>(1770 MHz) |                                    |             |
|                                 |         |           | Conducted Power [dBm] |                      |                      |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 25.04                 | 24.96                | 24.93                | 0                                  | 0.0         |
|                                 | 1       | 53        | 25.09                 | 25.07                | 25.01                |                                    | 0.0         |
|                                 | 1       | 104       | 25.13                 | 24.97                | 25.05                |                                    | 0.0         |
|                                 | 50      | 0         | 24.99                 | 25.07                | 25.06                | 0-0.5                              | 0.0         |
|                                 | 50      | 28        | 25.10                 | 25.10                | 25.06                | 0                                  | 0.0         |
|                                 | 50      | 56        | 25.06                 | 24.96                | 24.97                | 0-0.5                              | 0.0         |
|                                 | 100     | 0         | 25.09                 | 25.06                | 25.06                |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 24.96                 | 24.95                | 24.98                | 0                                  | 0.0         |
|                                 | 1       | 53        | 25.04                 | 25.04                | 25.00                |                                    | 0.0         |
|                                 | 1       | 104       | 25.03                 | 24.96                | 25.03                |                                    | 0.0         |
|                                 | 50      | 0         | 24.97                 | 25.08                | 25.05                | 0-1                                | 0.0         |
|                                 | 50      | 28        | 25.08                 | 25.12                | 25.05                | 0                                  | 0.0         |
|                                 | 50      | 56        | 25.06                 | 24.99                | 24.96                | 0-1                                | 0.0         |
|                                 | 100     | 0         | 25.07                 | 25.05                | 25.06                |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 24.06                 | 23.97                | 24.04                | 0-1                                | 1.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 23.70                 | 23.70                | 23.69                | 0-1.5                              | 1.5         |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 113 of 227                 |

**Table 9-85**  
**NR Band n66 (AWS) NSA & SA Antenna 3 Maximum Conducted Powers - 15 MHz Bandwidth**

| NR Band n66<br>15 MHz Bandwidth |         |           |                        |                      |                        |                                    |             |
|---------------------------------|---------|-----------|------------------------|----------------------|------------------------|------------------------------------|-------------|
|                                 |         |           | Channel                |                      |                        | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                      | RB Size | RB Offset | 343500<br>(1717.5 MHz) | 349000<br>(1745 MHz) | 354500<br>(1772.5 MHz) |                                    |             |
|                                 |         |           | Conducted Power [dBm]  |                      |                        |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 24.94                  | 24.88                | 24.88                  | 0                                  | 0.0         |
|                                 | 1       | 40        | 25.08                  | 24.96                | 24.95                  |                                    | 0.0         |
|                                 | 1       | 77        | 25.05                  | 24.97                | 24.98                  |                                    | 0.0         |
|                                 | 36      | 0         | 25.03                  | 25.07                | 25.09                  | 0-0.5                              | 0.0         |
|                                 | 36      | 22        | 24.98                  | 25.06                | 25.03                  | 0                                  | 0.0         |
|                                 | 36      | 43        | 25.02                  | 25.02                | 25.07                  | 0-0.5                              | 0.0         |
|                                 | 75      | 0         | 25.03                  | 25.00                | 25.04                  |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 24.86                  | 24.89                | 24.94                  | 0                                  | 0.0         |
|                                 | 1       | 40        | 25.00                  | 24.95                | 24.94                  |                                    | 0.0         |
|                                 | 1       | 77        | 24.95                  | 24.91                | 25.02                  |                                    | 0.0         |
|                                 | 36      | 0         | 25.03                  | 25.09                | 25.10                  | 0-1                                | 0.0         |
|                                 | 36      | 22        | 25.10                  | 25.10                | 25.02                  | 0                                  | 0.0         |
|                                 | 36      | 43        | 25.04                  | 25.04                | 25.08                  | 0-1                                | 0.0         |
|                                 | 75      | 0         | 24.98                  | 25.01                | 25.06                  |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 23.94                  | 23.93                | 23.95                  | 0-1                                | 1.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 23.70                  | 23.61                | 23.70                  | 0-1.5                              | 1.5         |

|                                         |                                                                                     |                               |                                                                                       |                                 |
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| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 114 of 227                 |

**Table 9-86**  
**NR Band n66 (AWS) NSA & SA Antenna 3 Maximum Conducted Powers - 10 MHz Bandwidth**

| NR Band n66<br>10 MHz Bandwidth |         |           |                       |                      |                      |                                    |             |
|---------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------------|-------------|
|                                 |         |           | Channel               |                      |                      | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                      | RB Size | RB Offset | 343000<br>(1715 MHz)  | 349000<br>(1745 MHz) | 355000<br>(1775 MHz) |                                    |             |
|                                 |         |           | Conducted Power [dBm] |                      |                      |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 24.97                 | 24.96                | 24.95                | 0                                  | 0.0         |
|                                 | 1       | 26        | 25.03                 | 25.06                | 24.99                |                                    | 0.0         |
|                                 | 1       | 50        | 25.06                 | 25.08                | 25.01                |                                    | 0.0         |
|                                 | 25      | 0         | 25.00                 | 25.09                | 25.10                | 0-0.5                              | 0.0         |
|                                 | 25      | 14        | 25.04                 | 25.08                | 25.03                | 0                                  | 0.0         |
|                                 | 25      | 27        | 25.09                 | 25.10                | 25.06                | 0-0.5                              | 0.0         |
|                                 | 50      | 0         | 25.05                 | 25.11                | 25.05                |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 24.96                 | 24.92                | 24.90                | 0                                  | 0.0         |
|                                 | 1       | 26        | 24.98                 | 25.02                | 24.99                |                                    | 0.0         |
|                                 | 1       | 50        | 25.05                 | 25.01                | 25.00                |                                    | 0.0         |
|                                 | 25      | 0         | 25.04                 | 25.08                | 25.06                | 0-1                                | 0.0         |
|                                 | 25      | 14        | 25.07                 | 25.10                | 24.99                | 0                                  | 0.0         |
|                                 | 25      | 27        | 25.08                 | 25.06                | 25.05                | 0-1                                | 0.0         |
|                                 | 50      | 0         | 25.06                 | 25.05                | 25.04                |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 24.02                 | 24.00                | 23.97                | 0-1                                | 1.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 23.69                 | 23.70                | 23.70                | 0-1.5                              | 1.5         |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 115 of 227                 |

**Table 9-87**  
**NR Band n66 (AWS) NSA & SA Antenna 3 Maximum Conducted Powers - 5 MHz Bandwidth**

| NR Band n66<br>5 MHz Bandwidth |         |           |                        |                      |                        |                                    |             |
|--------------------------------|---------|-----------|------------------------|----------------------|------------------------|------------------------------------|-------------|
|                                |         |           | Channel                |                      |                        | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                     | RB Size | RB Offset | 342500<br>(1712.5 MHz) | 349000<br>(1745 MHz) | 355500<br>(1777.5 MHz) |                                    |             |
|                                |         |           | Conducted Power [dBm]  |                      |                        |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK     | 1       | 1         | 24.94                  | 25.00                | 24.95                  | 0                                  | 0.0         |
|                                | 1       | 13        | 24.99                  | 25.02                | 24.94                  |                                    | 0.0         |
|                                | 1       | 23        | 25.00                  | 24.99                | 25.07                  |                                    | 0.0         |
|                                | 12      | 0         | 25.06                  | 25.08                | 25.08                  | 0-0.5                              | 0.0         |
|                                | 12      | 7         | 25.04                  | 25.01                | 25.02                  | 0                                  | 0.0         |
|                                | 12      | 13        | 25.04                  | 25.02                | 25.05                  | 0-0.5                              | 0.0         |
|                                | 25      | 0         | 25.01                  | 24.97                | 25.03                  |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK             | 1       | 1         | 24.96                  | 24.91                | 24.96                  | 0                                  | 0.0         |
|                                | 1       | 13        | 24.93                  | 24.99                | 24.97                  |                                    | 0.0         |
|                                | 1       | 23        | 24.86                  | 24.93                | 25.03                  |                                    | 0.0         |
|                                | 12      | 0         | 25.04                  | 25.04                | 25.06                  | 0-1                                | 0.0         |
|                                | 12      | 7         | 25.04                  | 25.00                | 25.02                  | 0                                  | 0.0         |
|                                | 12      | 13        | 25.03                  | 24.96                | 25.02                  | 0-1                                | 0.0         |
|                                | 25      | 0         | 25.00                  | 24.99                | 25.01                  |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM            | 1       | 1         | 24.03                  | 23.95                | 24.01                  | 0-1                                | 1.0         |
| CP-OFDM<br>QPSK                | 1       | 1         | 23.70                  | 23.69                | 23.70                  | 0-1.5                              | 1.5         |

|                                                |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset | Page 116 of 227                                                                       |                                        |



**Table 9-88**  
**NR Band n66 (AWS) NSA & SA Antenna 3 Reduced Conducted Powers - 40 MHz Bandwidth**

| NR Band n66<br>40 MHz Bandwidth |         |           |                                                      |                                    |             |
|---------------------------------|---------|-----------|------------------------------------------------------|------------------------------------|-------------|
| Modulation                      | RB Size | RB Offset | Channel                                              | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|                                 |         |           | 349000<br>(1745 MHz)<br><br>Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 22.86                                                | 0                                  | 0.0         |
|                                 | 1       | 108       | 23.17                                                |                                    | 0.0         |
|                                 | 1       | 214       | 22.78                                                |                                    | 0.0         |
|                                 | 108     | 0         | 23.11                                                | 0-0.5                              | 0.0         |
|                                 | 108     | 54        | 23.17                                                | 0                                  | 0.0         |
|                                 | 108     | 108       | 23.16                                                | 0-0.5                              | 0.0         |
|                                 | 216     | 0         | 23.01                                                |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 22.64                                                | 0                                  | 0.0         |
|                                 | 1       | 108       | <b>23.06</b>                                         |                                    | 0.0         |
|                                 | 1       | 214       | 22.72                                                |                                    | 0.0         |
|                                 | 108     | 0         | 23.06                                                | 0-1                                | 0.0         |
|                                 | 108     | 54        | <b>23.14</b>                                         | 0                                  | 0.0         |
|                                 | 108     | 108       | 23.10                                                | 0-1                                | 0.0         |
|                                 | 216     | 0         | 23.00                                                |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 22.42                                                | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 22.84                                                | 0-1.5                              | 0.0         |

Note: NR Band n66 at 40 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                         |                                                                                     |                               |                                                                                       |                                 |
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| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 117 of 227                 |

**Table 9-89**  
**NR Band n66 (AWS) NSA & SA Antenna 3 Reduced Conducted Powers - 20 MHz Bandwidth**

| NR Band n66<br>20 MHz Bandwidth |         |           |                       |                      |                      |                                    |             |
|---------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------------|-------------|
|                                 |         |           | Channel               |                      |                      | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                      | RB Size | RB Offset | 344000<br>(1720 MHz)  | 349000<br>(1745 MHz) | 354000<br>(1770 MHz) |                                    |             |
|                                 |         |           | Conducted Power [dBm] |                      |                      |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 23.10                 | 23.03                | 23.04                | 0                                  | 0.0         |
|                                 | 1       | 53        | 23.19                 | 23.13                | 23.13                |                                    | 0.0         |
|                                 | 1       | 104       | 23.18                 | 23.08                | 23.13                |                                    | 0.0         |
|                                 | 50      | 0         | 23.04                 | 23.14                | 23.10                | 0-0.5                              | 0.0         |
|                                 | 50      | 28        | 23.13                 | 23.15                | 23.12                | 0                                  | 0.0         |
|                                 | 50      | 56        | 23.12                 | 23.03                | 23.05                | 0-0.5                              | 0.0         |
|                                 | 100     | 0         | 23.14                 | 23.11                | 23.11                |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 22.99                 | 23.01                | 23.05                | 0                                  | 0.0         |
|                                 | 1       | 53        | 23.00                 | 23.05                | 23.02                |                                    | 0.0         |
|                                 | 1       | 104       | 23.10                 | 23.03                | 23.04                |                                    | 0.0         |
|                                 | 50      | 0         | 23.05                 | 23.12                | 23.11                | 0-1                                | 0.0         |
|                                 | 50      | 28        | 23.16                 | 23.15                | 23.10                | 0                                  | 0.0         |
|                                 | 50      | 56        | 23.11                 | 23.06                | 23.03                | 0-1                                | 0.0         |
|                                 | 100     | 0         | 23.14                 | 23.14                | 23.12                |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 22.83                 | 22.82                | 22.77                | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 22.76                 | 22.97                | 23.14                | 0-1.5                              | 0.0         |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 118 of 227                 |

**Table 9-90**  
**NR Band n66 (AWS) NSA & SA Antenna 3 Reduced Conducted Powers - 15 MHz Bandwidth**

| NR Band n66<br>15 MHz Bandwidth |         |           |                        |                      |                        |                                    |             |
|---------------------------------|---------|-----------|------------------------|----------------------|------------------------|------------------------------------|-------------|
|                                 |         |           | Channel                |                      |                        | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                      | RB Size | RB Offset | 343500<br>(1717.5 MHz) | 349000<br>(1745 MHz) | 354500<br>(1772.5 MHz) |                                    |             |
|                                 |         |           | Conducted Power [dBm]  |                      |                        |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 23.03                  | 22.92                | 23.00                  | 0                                  | 0.0         |
|                                 | 1       | 40        | 23.15                  | 23.02                | 23.03                  |                                    | 0.0         |
|                                 | 1       | 77        | 23.07                  | 23.05                | 23.06                  |                                    | 0.0         |
|                                 | 36      | 0         | 23.10                  | 23.14                | 23.20                  | 0-0.5                              | 0.0         |
|                                 | 36      | 22        | 23.16                  | 23.09                | 23.13                  | 0                                  | 0.0         |
|                                 | 36      | 43        | 23.17                  | 23.10                | 23.05                  | 0-0.5                              | 0.0         |
|                                 | 75      | 0         | 23.11                  | 23.12                | 23.11                  |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 22.99                  | 22.90                | 22.96                  | 0                                  | 0.0         |
|                                 | 1       | 40        | 23.01                  | 23.08                | 23.00                  |                                    | 0.0         |
|                                 | 1       | 77        | 22.96                  | 22.96                | 22.94                  |                                    | 0.0         |
|                                 | 36      | 0         | 23.08                  | 23.13                | 23.14                  | 0-1                                | 0.0         |
|                                 | 36      | 22        | 23.14                  | 23.15                | 23.09                  | 0                                  | 0.0         |
|                                 | 36      | 43        | 23.14                  | 23.12                | 23.10                  | 0-1                                | 0.0         |
|                                 | 75      | 0         | 23.06                  | 23.10                | 23.04                  |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 22.73                  | 22.69                | 22.72                  | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 23.01                  | 23.02                | 23.04                  | 0-1.5                              | 0.0         |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 119 of 227                 |

**Table 9-91**  
**NR Band n66 (AWS) NSA & SA Antenna 3 Reduced Conducted Powers - 10 MHz Bandwidth**

| NR Band n66<br>10 MHz Bandwidth |         |           |                       |                      |                      |                                    |             |
|---------------------------------|---------|-----------|-----------------------|----------------------|----------------------|------------------------------------|-------------|
|                                 |         |           | Channel               |                      |                      | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                      | RB Size | RB Offset | 343000<br>(1715 MHz)  | 349000<br>(1745 MHz) | 355000<br>(1775 MHz) |                                    |             |
|                                 |         |           | Conducted Power [dBm] |                      |                      |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 23.04                 | 23.02                | 23.06                | 0                                  | 0.0         |
|                                 | 1       | 26        | 23.18                 | 23.08                | 23.09                |                                    | 0.0         |
|                                 | 1       | 50        | 23.20                 | 23.13                | 23.18                |                                    | 0.0         |
|                                 | 25      | 0         | 23.13                 | 23.16                | 23.12                | 0-0.5                              | 0.0         |
|                                 | 25      | 14        | 23.12                 | 23.10                | 23.11                | 0                                  | 0.0         |
|                                 | 25      | 27        | 23.16                 | 23.13                | 23.09                | 0-0.5                              | 0.0         |
|                                 | 50      | 0         | 23.17                 | 23.12                | 23.07                |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 22.97                 | 22.97                | 22.92                | 0                                  | 0.0         |
|                                 | 1       | 26        | 23.03                 | 23.05                | 23.03                |                                    | 0.0         |
|                                 | 1       | 50        | 23.08                 | 23.10                | 23.03                |                                    | 0.0         |
|                                 | 25      | 0         | 23.06                 | 23.13                | 23.15                | 0-1                                | 0.0         |
|                                 | 25      | 14        | 23.13                 | 23.14                | 23.10                | 0                                  | 0.0         |
|                                 | 25      | 27        | 23.18                 | 23.15                | 23.12                | 0-1                                | 0.0         |
|                                 | 50      | 0         | 23.16                 | 23.14                | 23.11                |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 22.78                 | 22.71                | 22.75                | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 23.11                 | 23.03                | 23.02                | 0-1.5                              | 0.0         |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 120 of 227                 |

**Table 9-92**  
**NR Band n66 (AWS) NSA & SA Antenna 3 Reduced Conducted Powers - 5 MHz Bandwidth**

| NR Band n66<br>5 MHz Bandwidth |         |           |                        |                      |                        |                                    |             |
|--------------------------------|---------|-----------|------------------------|----------------------|------------------------|------------------------------------|-------------|
|                                |         |           | Channel                |                      |                        | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                     | RB Size | RB Offset | 342500<br>(1712.5 MHz) | 349000<br>(1745 MHz) | 355500<br>(1777.5 MHz) |                                    |             |
|                                |         |           | Conducted Power [dBm]  |                      |                        |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK     | 1       | 1         | 23.12                  | 23.13                | 23.06                  | 0                                  | 0.0         |
|                                | 1       | 13        | 23.14                  | 23.10                | 23.19                  |                                    | 0.0         |
|                                | 1       | 23        | 23.15                  | 23.07                | 23.08                  |                                    | 0.0         |
|                                | 12      | 0         | 23.18                  | 23.20                | 23.17                  | 0-0.5                              | 0.0         |
|                                | 12      | 7         | 23.17                  | 23.13                | 23.13                  | 0                                  | 0.0         |
|                                | 12      | 13        | 23.19                  | 23.13                | 23.12                  | 0-0.5                              | 0.0         |
|                                | 25      | 0         | 23.16                  | 23.12                | 23.09                  |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK             | 1       | 1         | 23.05                  | 23.00                | 23.04                  | 0                                  | 0.0         |
|                                | 1       | 13        | 23.00                  | 23.03                | 23.06                  |                                    | 0.0         |
|                                | 1       | 23        | 23.04                  | 23.06                | 23.03                  |                                    | 0.0         |
|                                | 12      | 0         | 23.13                  | 23.15                | 23.10                  | 0-1                                | 0.0         |
|                                | 12      | 7         | 23.15                  | 23.10                | 23.07                  | 0                                  | 0.0         |
|                                | 12      | 13        | 23.12                  | 23.10                | 23.08                  | 0-1                                | 0.0         |
|                                | 25      | 0         | 23.13                  | 23.13                | 23.10                  |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM            | 1       | 1         | 22.83                  | 22.82                | 22.75                  | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                | 1       | 1         | 23.13                  | 23.08                | 23.06                  | 0-1.5                              | 0.0         |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
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| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 121 of 227                 |

### 9.5.3

### NR Band n25 (PCS)

Table 9-93

NR Band n25 (PCS) SA Antenna 2 Maximum Conducted Powers - 40 MHz Bandwidth

| NR Band n25<br>40 MHz Bandwidth |         |           |                                                        |                                    |             |
|---------------------------------|---------|-----------|--------------------------------------------------------|------------------------------------|-------------|
| Modulation                      | RB Size | RB Offset | Channel                                                | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|                                 |         |           | 376500<br>(1882.5 MHz)<br><br>Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 24.55                                                  | 0                                  | 0.0         |
|                                 | 1       | 108       | 25.03                                                  |                                    | 0.0         |
|                                 | 1       | 214       | 24.57                                                  |                                    | 0.0         |
|                                 | 108     | 0         | 24.95                                                  | 0-0.5                              | 0.0         |
|                                 | 108     | 54        | 25.02                                                  | 0                                  | 0.0         |
|                                 | 108     | 108       | 25.01                                                  | 0-0.5                              | 0.0         |
|                                 | 216     | 0         | 25.02                                                  |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 24.50                                                  | 0                                  | 0.0         |
|                                 | 1       | 108       | <b>25.01</b>                                           |                                    | 0.0         |
|                                 | 1       | 214       | 24.52                                                  |                                    | 0.0         |
|                                 | 108     | 0         | 24.93                                                  | 0-1                                | 0.0         |
|                                 | 108     | 54        | <b>25.02</b>                                           | 0                                  | 0.0         |
|                                 | 108     | 108       | 25.01                                                  | 0-1                                | 0.0         |
|                                 | 216     | 0         | 25.00                                                  |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 23.29                                                  | 0-1                                | 1.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 23.02                                                  | 0-1.5                              | 1.5         |

Note: NR Band n25 at 40 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                         |                                                                                                                                                                                                              |                               |                                                                                       |                                 |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  <b>PCTEST</b><br>Proud to be part of  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                                           | DUT Type:<br>Portable Handset |                                                                                       | Page 122 of 227                 |

**Table 9-94**  
**NR Band n25 (PCS) SA Maximum Conducted Powers - 30 MHz Bandwidth**

| NR Band n25<br>30 MHz Bandwidth |         |           |                          |                                    |             |
|---------------------------------|---------|-----------|--------------------------|------------------------------------|-------------|
| Modulation                      | RB Size | RB Offset | Channel                  | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|                                 |         |           | 376500<br>(1882.5 MHz)   |                                    |             |
|                                 |         |           | Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 24.70                    | 0                                  | 0.0         |
|                                 | 1       | 80        | 25.03                    |                                    | 0.0         |
|                                 | 1       | 158       | 24.71                    |                                    | 0.0         |
|                                 | 80      | 0         | 24.98                    | 0-0.5                              | 0.0         |
|                                 | 80      | 40        | 24.95                    | 0                                  | 0.0         |
|                                 | 80      | 80        | 24.92                    | 0-0.5                              | 0.0         |
|                                 | 160     | 0         | 24.96                    |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 24.63                    | 0                                  | 0.0         |
|                                 | 1       | 80        | 24.99                    |                                    | 0.0         |
|                                 | 1       | 158       | 24.62                    |                                    | 0.0         |
|                                 | 80      | 0         | 24.95                    | 0-1                                | 0.0         |
|                                 | 80      | 40        | 24.94                    | 0                                  | 0.0         |
|                                 | 80      | 80        | 24.91                    | 0-1                                | 0.0         |
|                                 | 160     | 0         | 24.92                    |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 23.40                    | 0-1                                | 1.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 23.12                    | 0-1.5                              | 1.5         |

Note: NR Band n25 at 30 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                                |                                                                                                                                                                                                                      |                                      |                                                                                                 |                                        |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              |  <b>PCTEST</b><br>Proud to be part of  element | <b>SAR EVALUATION REPORT</b>         |  <b>LG</b> | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                            | <b>DUT Type:</b><br>Portable Handset | Page 123 of 227                                                                                 |                                        |

**Table 9-95**  
**NR Band n25 (PCS) SA Antenna 2 Maximum Conducted Powers - 25 MHz Bandwidth**  
**NR Band n25**  
**25 MHz Bandwidth**

| Modulation                 | RB Size | RB Offset | Channel                  | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|----------------------------|---------|-----------|--------------------------|------------------------------------|-------------|
|                            |         |           | 376500<br>(1882.5 MHz)   |                                    |             |
|                            |         |           | Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK | 1       | 1         | 24.84                    | 0                                  | 0.0         |
|                            | 1       | 67        | 24.97                    |                                    | 0.0         |
|                            | 1       | 131       | 24.83                    |                                    | 0.0         |
|                            | 64      | 0         | 24.95                    | 0-0.5                              | 0.0         |
|                            | 64      | 35        | 24.93                    | 0                                  | 0.0         |
|                            | 64      | 69        | 24.91                    | 0-0.5                              | 0.0         |
|                            | 128     | 0         | 24.97                    |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK         | 1       | 1         | 24.81                    | 0                                  | 0.0         |
|                            | 1       | 67        | 24.96                    |                                    | 0.0         |
|                            | 1       | 131       | 24.81                    |                                    | 0.0         |
|                            | 64      | 0         | 24.95                    | 0-1                                | 0.0         |
|                            | 64      | 35        | 24.93                    | 0                                  | 0.0         |
|                            | 64      | 69        | 24.91                    | 0-1                                | 0.0         |
|                            | 128     | 0         | 24.96                    |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM        | 1       | 1         | 23.58                    | 0-1                                | 1.0         |
| CP-OFDM<br>QPSK            | 1       | 1         | 23.27                    | 0-1.5                              | 1.5         |

Note: NR Band n25 at 25 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                                |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
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| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset | Page 124 of 227                                                                       |                                        |



**Table 9-96**  
**NR Band n25 (PCS) SA Antenna 2 Maximum Conducted Powers - 20 MHz Bandwidth**

| NR Band n25<br>20 MHz Bandwidth |         |           |                       |                        |                      |                                    |             |
|---------------------------------|---------|-----------|-----------------------|------------------------|----------------------|------------------------------------|-------------|
|                                 |         |           | Channel               |                        |                      | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                      | RB Size | RB Offset | 372000<br>(1860 MHz)  | 376500<br>(1882.5 MHz) | 381000<br>(1905 MHz) |                                    |             |
|                                 |         |           | Conducted Power [dBm] |                        |                      |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 24.86                 | 24.91                  | 24.78                | 0                                  | 0.0         |
|                                 | 1       | 53        | 24.97                 | 24.98                  | 25.02                |                                    | 0.0         |
|                                 | 1       | 104       | 24.98                 | 24.93                  | 25.09                |                                    | 0.0         |
|                                 | 50      | 0         | 24.91                 | 24.97                  | 24.94                | 0-0.5                              | 0.0         |
|                                 | 50      | 28        | 24.94                 | 24.98                  | 24.97                | 0                                  | 0.0         |
|                                 | 50      | 56        | 24.95                 | 25.00                  | 24.92                | 0-0.5                              | 0.0         |
|                                 | 100     | 0         | 24.93                 | 24.97                  | 24.97                |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 24.81                 | 24.86                  | 24.72                | 0                                  | 0.0         |
|                                 | 1       | 53        | 24.92                 | 24.91                  | 24.95                |                                    | 0.0         |
|                                 | 1       | 104       | 24.94                 | 24.85                  | 25.01                |                                    | 0.0         |
|                                 | 50      | 0         | 24.88                 | 24.98                  | 25.03                | 0-1                                | 0.0         |
|                                 | 50      | 28        | 24.92                 | 24.97                  | 24.98                | 0                                  | 0.0         |
|                                 | 50      | 56        | 24.96                 | 25.01                  | 24.93                | 0-1                                | 0.0         |
|                                 | 100     | 0         | 24.91                 | 24.96                  | 24.97                |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 23.55                 | 23.61                  | 23.48                | 0-1                                | 1.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 23.29                 | 23.33                  | 23.27                | 0-1.5                              | 1.5         |

|                                                |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
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| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset | Page 125 of 227                                                                       |                                        |

**Table 9-97**  
**NR Band n25 (PCS) SA Antenna 2 Maximum Conducted Powers - 15 MHz Bandwidth**

| NR Band n25<br>15 MHz Bandwidth |         |           |                        |                        |                        |                                    |             |
|---------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------------|-------------|
|                                 |         |           | Channel                |                        |                        | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                      | RB Size | RB Offset | 371500<br>(1857.5 MHz) | 376500<br>(1882.5 MHz) | 381500<br>(1907.5 MHz) |                                    |             |
|                                 |         |           | Conducted Power [dBm]  |                        |                        |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 24.83                  | 24.83                  | 24.77                  | 0                                  | 0.0         |
|                                 | 1       | 40        | 24.94                  | 24.85                  | 24.93                  |                                    | 0.0         |
|                                 | 1       | 77        | 24.82                  | 24.84                  | 25.08                  |                                    | 0.0         |
|                                 | 36      | 0         | 24.96                  | 24.94                  | 25.11                  | 0-0.5                              | 0.0         |
|                                 | 36      | 22        | 24.94                  | 24.93                  | 25.04                  | 0                                  | 0.0         |
|                                 | 36      | 43        | 24.95                  | 24.92                  | 24.97                  | 0-0.5                              | 0.0         |
|                                 | 75      | 0         | 24.97                  | 24.95                  | 24.96                  |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 24.74                  | 24.76                  | 24.73                  | 0                                  | 0.0         |
|                                 | 1       | 40        | 24.91                  | 24.78                  | 24.90                  |                                    | 0.0         |
|                                 | 1       | 77        | 24.78                  | 24.76                  | 24.88                  |                                    | 0.0         |
|                                 | 36      | 0         | 24.90                  | 24.96                  | 25.01                  | 0-1                                | 0.0         |
|                                 | 36      | 22        | 24.95                  | 24.94                  | 24.95                  | 0                                  | 0.0         |
|                                 | 36      | 43        | 24.90                  | 24.95                  | 25.02                  | 0-1                                | 0.0         |
|                                 | 75      | 0         | 24.97                  | 24.96                  | 24.98                  |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 23.50                  | 23.57                  | 23.46                  | 0-1                                | 1.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 23.24                  | 23.29                  | 23.18                  | 0-1.5                              | 1.5         |

|                                                |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
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| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset | Page 126 of 227                                                                       |                                        |

**Table 9-98**  
**NR Band n25 (PCS) SA Antenna 2 Maximum Conducted Powers - 10 MHz Bandwidth**

| NR Band n25<br>10 MHz Bandwidth |         |           |                       |                        |                      |                                    |             |
|---------------------------------|---------|-----------|-----------------------|------------------------|----------------------|------------------------------------|-------------|
|                                 |         |           | Channel               |                        |                      | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                      | RB Size | RB Offset | 371000<br>(1855 MHz)  | 376500<br>(1882.5 MHz) | 382000<br>(1910 MHz) |                                    |             |
|                                 |         |           | Conducted Power [dBm] |                        |                      |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 24.83                 | 24.67                  | 24.54                | 0                                  | 0.0         |
|                                 | 1       | 26        | 24.92                 | 24.82                  | 24.82                |                                    | 0.0         |
|                                 | 1       | 50        | 24.88                 | 24.80                  | 24.90                |                                    | 0.0         |
|                                 | 25      | 0         | 24.89                 | 24.93                  | 24.96                | 0-0.5                              | 0.0         |
|                                 | 25      | 14        | 24.95                 | 24.90                  | 24.93                | 0                                  | 0.0         |
|                                 | 25      | 27        | 24.63                 | 24.93                  | 24.99                | 0-0.5                              | 0.0         |
|                                 | 50      | 0         | 24.74                 | 24.89                  | 24.86                |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 24.35                 | 24.75                  | 24.68                | 0                                  | 0.0         |
|                                 | 1       | 26        | 24.66                 | 24.83                  | 24.95                |                                    | 0.0         |
|                                 | 1       | 50        | 24.70                 | 24.81                  | 24.99                |                                    | 0.0         |
|                                 | 25      | 0         | 24.78                 | 24.92                  | 24.96                | 0-1                                | 0.0         |
|                                 | 25      | 14        | 24.84                 | 24.91                  | 24.94                | 0                                  | 0.0         |
|                                 | 25      | 27        | 24.86                 | 24.90                  | 25.02                | 0-1                                | 0.0         |
|                                 | 50      | 0         | 24.87                 | 24.86                  | 24.90                |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 23.44                 | 23.50                  | 23.57                | 0-1                                | 1.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 23.21                 | 23.28                  | 23.29                | 0-1.5                              | 1.5         |

|                                         |                                                                                                                                                                                                               |                               |                                                                                       |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       | <br><small>Proud to be part of</small>  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                                            | DUT Type:<br>Portable Handset |                                                                                       | Page 127 of 227                 |

**Table 9-99**  
**NR Band n25 (PCS) SA Antenna 2 Maximum Conducted Powers - 5 MHz Bandwidth**

| NR Band n25<br>5 MHz Bandwidth |         |           |                        |                        |                        |                                    |             |
|--------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------------|-------------|
|                                |         |           | Channel                |                        |                        | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                     | RB Size | RB Offset | 370500<br>(1852.5 MHz) | 376500<br>(1882.5 MHz) | 382500<br>(1912.5 MHz) |                                    |             |
|                                |         |           | Conducted Power [dBm]  |                        |                        |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK     | 1       | 1         | 24.71                  | 24.58                  | 24.84                  | 0                                  | 0.0         |
|                                | 1       | 13        | 24.85                  | 24.67                  | 24.94                  |                                    | 0.0         |
|                                | 1       | 23        | 24.87                  | 24.74                  | 25.10                  |                                    | 0.0         |
|                                | 12      | 0         | 24.85                  | 24.72                  | 24.90                  | 0-0.5                              | 0.0         |
|                                | 12      | 7         | 24.86                  | 24.77                  | 24.98                  | 0                                  | 0.0         |
|                                | 12      | 13        | 24.85                  | 24.75                  | 25.01                  | 0-0.5                              | 0.0         |
|                                | 25      | 0         | 24.86                  | 24.74                  | 24.91                  |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK             | 1       | 1         | 24.83                  | 24.82                  | 24.83                  | 0                                  | 0.0         |
|                                | 1       | 13        | 24.89                  | 24.79                  | 24.99                  |                                    | 0.0         |
|                                | 1       | 23        | 24.84                  | 24.80                  | 24.96                  |                                    | 0.0         |
|                                | 12      | 0         | 24.88                  | 24.85                  | 24.94                  | 0-1                                | 0.0         |
|                                | 12      | 7         | 24.82                  | 24.81                  | 24.96                  | 0                                  | 0.0         |
|                                | 12      | 13        | 24.79                  | 24.80                  | 24.97                  | 0-1                                | 0.0         |
|                                | 25      | 0         | 24.84                  | 24.58                  | 24.88                  |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM            | 1       | 1         | 23.53                  | 23.52                  | 23.58                  | 0-1                                | 1.0         |
| CP-OFDM<br>QPSK                | 1       | 1         | 23.35                  | 23.35                  | 23.38                  | 0-1.5                              | 1.5         |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 128 of 227                 |

**Table 9-100**  
**NR Band n25 (PCS) SA Antenna 2 Reduced Conducted Powers - 40 MHz Bandwidth**  
**NR Band n25**  
**40 MHz Bandwidth**

|                            |         |           | Channel                  | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|----------------------------|---------|-----------|--------------------------|------------------------------------|-------------|
| Modulation                 | RB Size | RB Offset | 376500<br>(1882.5 MHz)   |                                    |             |
|                            |         |           | Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK | 1       | 1         | 22.07                    | 0                                  | 0.0         |
|                            | 1       | 108       | 22.60                    |                                    | 0.0         |
|                            | 1       | 214       | 22.06                    |                                    | 0.0         |
|                            | 108     | 0         | 22.58                    | 0-0.5                              | 0.0         |
|                            | 108     | 54        | 22.62                    | 0                                  | 0.0         |
|                            | 108     | 108       | 22.61                    | 0-0.5                              | 0.0         |
|                            | 216     | 0         | 22.64                    |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK         | 1       | 1         | 22.20                    | 0                                  | 0.0         |
|                            | 1       | 108       | <b>22.65</b>             |                                    | 0.0         |
|                            | 1       | 214       | 22.10                    |                                    | 0.0         |
|                            | 108     | 0         | 22.58                    | 0-1                                | 0.0         |
|                            | 108     | 54        | <b>22.65</b>             | 0                                  | 0.0         |
|                            | 108     | 108       | 22.59                    | 0-1                                | 0.0         |
|                            | 216     | 0         | 22.64                    |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM        | 1       | 1         | 21.93                    | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK            | 1       | 1         | 22.36                    | 0-1.5                              | 0.0         |

Note: NR Band n25 at 40 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                                |                                                                                                                                                                                                                      |                                      |                                                                                                 |                                        |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              |  <b>PCTEST</b><br>Proud to be part of  element | <b>SAR EVALUATION REPORT</b>         |  <b>LG</b> | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                            | <b>DUT Type:</b><br>Portable Handset |                                                                                                 | Page 129 of 227                        |

**Table 9-101**  
**NR Band n25 (PCS) SA Antenna 2 Reduced Conducted Powers - 30 MHz Bandwidth**  
**NR Band n25**  
**30 MHz Bandwidth**

|                            |         |           | Channel                                                | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|----------------------------|---------|-----------|--------------------------------------------------------|------------------------------------|-------------|
| Modulation                 | RB Size | RB Offset | 376500<br>(1882.5 MHz)<br><br>Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK | 1       | 1         | 22.56                                                  | 0                                  | 0.0         |
|                            | 1       | 80        | 23.09                                                  |                                    | 0.0         |
|                            | 1       | 158       | 22.64                                                  |                                    | 0.0         |
|                            | 80      | 0         | 23.01                                                  | 0-0.5                              | 0.0         |
|                            | 80      | 40        | 22.85                                                  | 0                                  | 0.0         |
|                            | 80      | 80        | 22.91                                                  | 0-0.5                              | 0.0         |
|                            | 160     | 0         | 23.07                                                  |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK         | 1       | 1         | 22.64                                                  | 0                                  | 0.0         |
|                            | 1       | 80        | 23.03                                                  |                                    | 0.0         |
|                            | 1       | 158       | 22.67                                                  |                                    | 0.0         |
|                            | 80      | 0         | 22.98                                                  | 0-1                                | 0.0         |
|                            | 80      | 40        | 22.97                                                  | 0                                  | 0.0         |
|                            | 80      | 80        | 22.99                                                  | 0-1                                | 0.0         |
|                            | 160     | 0         | 22.95                                                  |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM        | 1       | 1         | 22.42                                                  | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK            | 1       | 1         | 22.73                                                  | 0-1.5                              | 0.0         |

Note: NR Band n25 at 30 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                                |                                                                                                                                                                                                              |                                      |                                                                                                 |                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  <b>LG</b> | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset | Page 130 of 227                                                                                 |                                        |

**Table 9-102**  
**NR Band n25 (PCS) SA Antenna 2 Reduced Conducted Powers - 25 MHz Bandwidth**  
**NR Band n25**  
**25 MHz Bandwidth**

| Modulation                 | RB Size | RB Offset | Channel                  | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|----------------------------|---------|-----------|--------------------------|------------------------------------|-------------|
|                            |         |           | 376500<br>(1882.5 MHz)   |                                    |             |
|                            |         |           | Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK | 1       | 1         | 22.71                    | 0                                  | 0.0         |
|                            | 1       | 67        | 23.05                    |                                    | 0.0         |
|                            | 1       | 131       | 22.96                    |                                    | 0.0         |
|                            | 64      | 0         | 22.85                    | 0-0.5                              | 0.0         |
|                            | 64      | 35        | 22.98                    | 0                                  | 0.0         |
|                            | 64      | 69        | 22.81                    | 0-0.5                              | 0.0         |
|                            | 128     | 0         | 23.03                    |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK         | 1       | 1         | 22.85                    | 0                                  | 0.0         |
|                            | 1       | 67        | 23.01                    |                                    | 0.0         |
|                            | 1       | 131       | 22.96                    |                                    | 0.0         |
|                            | 64      | 0         | 23.02                    | 0-1                                | 0.0         |
|                            | 64      | 35        | 23.03                    | 0                                  | 0.0         |
|                            | 64      | 69        | 23.01                    | 0-1                                | 0.0         |
|                            | 128     | 0         | 23.00                    |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM        | 1       | 1         | 22.66                    | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK            | 1       | 1         | 22.84                    | 0-1.5                              | 0.0         |

Note: NR Band n25 at 25 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                                |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
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| FCC ID: ZNFG900TM                              |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset | Page 131 of 227                                                                       |                                        |

**Table 9-103**  
**NR Band n25 (PCS) SA Antenna 2 Reduced Conducted Powers - 20 MHz Bandwidth**

| NR Band n25<br>20 MHz Bandwidth |         |           |                       |                        |                      |                                    |             |
|---------------------------------|---------|-----------|-----------------------|------------------------|----------------------|------------------------------------|-------------|
|                                 |         |           | Channel               |                        |                      | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                      | RB Size | RB Offset | 372000<br>(1860 MHz)  | 376500<br>(1882.5 MHz) | 381000<br>(1905 MHz) |                                    |             |
|                                 |         |           | Conducted Power [dBm] |                        |                      |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 22.63                 | 22.70                  | 22.65                | 0                                  | 0.0         |
|                                 | 1       | 53        | 22.85                 | 22.80                  | 22.90                |                                    | 0.0         |
|                                 | 1       | 104       | 22.88                 | 22.74                  | 22.99                |                                    | 0.0         |
|                                 | 50      | 0         | 22.76                 | 22.73                  | 22.97                | 0-0.5                              | 0.0         |
|                                 | 50      | 28        | 22.85                 | 22.76                  | 23.00                | 0                                  | 0.0         |
|                                 | 50      | 56        | 22.86                 | 22.81                  | 22.94                | 0-0.5                              | 0.0         |
|                                 | 100     | 0         | 22.88                 | 22.76                  | 22.95                |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 22.82                 | 22.72                  | 22.70                | 0                                  | 0.0         |
|                                 | 1       | 53        | 23.00                 | 22.79                  | 22.89                |                                    | 0.0         |
|                                 | 1       | 104       | 22.95                 | 22.80                  | 22.98                |                                    | 0.0         |
|                                 | 50      | 0         | 22.83                 | 22.84                  | 22.75                | 0-1                                | 0.0         |
|                                 | 50      | 28        | 22.87                 | 22.86                  | 23.02                | 0                                  | 0.0         |
|                                 | 50      | 56        | 22.91                 | 22.89                  | 22.93                | 0-1                                | 0.0         |
|                                 | 100     | 0         | 22.88                 | 22.83                  | 22.96                |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 22.51                 | 22.56                  | 22.57                | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 22.85                 | 22.84                  | 22.82                | 0-1.5                              | 0.0         |

|                                                |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset | Page 132 of 227                                                                       |                                        |



**Table 9-104**  
**NR Band n25 (PCS) SA Antenna 2 Reduced Conducted Powers - 15 MHz Bandwidth**

| NR Band n25<br>15 MHz Bandwidth |         |           |                        |                        |                        |                                    |             |
|---------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------------|-------------|
|                                 |         |           | Channel                |                        |                        | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                      | RB Size | RB Offset | 371500<br>(1857.5 MHz) | 376500<br>(1882.5 MHz) | 381500<br>(1907.5 MHz) |                                    |             |
|                                 |         |           | Conducted Power [dBm]  |                        |                        |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 22.61                  | 22.58                  | 22.57                  | 0                                  | 0.0         |
|                                 | 1       | 40        | 22.80                  | 22.83                  | 22.82                  |                                    | 0.0         |
|                                 | 1       | 77        | 22.69                  | 22.60                  | 22.83                  |                                    | 0.0         |
|                                 | 36      | 0         | 22.61                  | 22.69                  | 22.79                  | 0-0.5                              | 0.0         |
|                                 | 36      | 22        | 22.74                  | 22.87                  | 22.76                  | 0                                  | 0.0         |
|                                 | 36      | 43        | 22.77                  | 22.85                  | 22.93                  | 0-0.5                              | 0.0         |
|                                 | 75      | 0         | 22.87                  | 22.78                  | 22.89                  |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 22.58                  | 22.43                  | 22.72                  | 0                                  | 0.0         |
|                                 | 1       | 40        | 22.73                  | 22.59                  | 22.85                  |                                    | 0.0         |
|                                 | 1       | 77        | 22.68                  | 22.67                  | 22.90                  |                                    | 0.0         |
|                                 | 36      | 0         | 22.80                  | 22.85                  | 23.02                  | 0-1                                | 0.0         |
|                                 | 36      | 22        | 22.76                  | 22.88                  | 22.97                  | 0                                  | 0.0         |
|                                 | 36      | 43        | 22.76                  | 22.94                  | 23.12                  | 0-1                                | 0.0         |
|                                 | 75      | 0         | 22.75                  | 22.93                  | 22.96                  |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 22.23                  | 22.42                  | 22.48                  | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 22.52                  | 22.74                  | 22.73                  | 0-1.5                              | 0.0         |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 133 of 227                 |

**Table 9-105**  
**NR Band n25 (PCS) SA Antenna 2 Reduced Conducted Powers - 10 MHz Bandwidth**

| NR Band n25<br>10 MHz Bandwidth |         |           |                       |                        |                      |                                    |             |
|---------------------------------|---------|-----------|-----------------------|------------------------|----------------------|------------------------------------|-------------|
|                                 |         |           | Channel               |                        |                      | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                      | RB Size | RB Offset | 371000<br>(1855 MHz)  | 376500<br>(1882.5 MHz) | 382000<br>(1910 MHz) |                                    |             |
|                                 |         |           | Conducted Power [dBm] |                        |                      |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 22.83                 | 22.75                  | 22.82                | 0                                  | 0.0         |
|                                 | 1       | 26        | 23.01                 | 22.91                  | 23.02                |                                    | 0.0         |
|                                 | 1       | 50        | 22.95                 | 22.88                  | 23.03                |                                    | 0.0         |
|                                 | 25      | 0         | 22.92                 | 22.84                  | 23.13                | 0-0.5                              | 0.0         |
|                                 | 25      | 14        | 22.94                 | 22.87                  | 23.02                | 0                                  | 0.0         |
|                                 | 25      | 27        | 22.98                 | 22.95                  | 23.09                | 0-0.5                              | 0.0         |
|                                 | 50      | 0         | 22.96                 | 22.93                  | 23.02                |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 22.74                 | 22.84                  | 22.93                | 0                                  | 0.0         |
|                                 | 1       | 26        | 22.90                 | 22.87                  | 22.98                |                                    | 0.0         |
|                                 | 1       | 50        | 22.93                 | 22.86                  | 23.01                |                                    | 0.0         |
|                                 | 25      | 0         | 22.94                 | 22.94                  | 23.09                | 0-1                                | 0.0         |
|                                 | 25      | 14        | 23.01                 | 22.88                  | 23.06                | 0                                  | 0.0         |
|                                 | 25      | 27        | 22.96                 | 22.90                  | 23.14                | 0-1                                | 0.0         |
|                                 | 50      | 0         | 22.95                 | 22.91                  | 23.00                |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 22.54                 | 22.58                  | 22.69                | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 22.88                 | 22.90                  | 22.87                | 0-1.5                              | 0.0         |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 134 of 227                 |

**Table 9-106**  
**NR Band n25 (PCS) SA Antenna 2 Reduced Conducted Powers - 5 MHz Bandwidth**

| NR Band n25<br>5 MHz Bandwidth |         |           |                        |                        |                        |                                    |             |
|--------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------------|-------------|
|                                |         |           | Channel                |                        |                        | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                     | RB Size | RB Offset | 370500<br>(1852.5 MHz) | 376500<br>(1882.5 MHz) | 382500<br>(1912.5 MHz) |                                    |             |
|                                |         |           | Conducted Power [dBm]  |                        |                        |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK     | 1       | 1         | 22.80                  | 22.90                  | 22.90                  | 0                                  | 0.0         |
|                                | 1       | 13        | 22.95                  | 22.86                  | 22.96                  |                                    | 0.0         |
|                                | 1       | 23        | 22.94                  | 22.94                  | 23.01                  |                                    | 0.0         |
|                                | 12      | 0         | 22.91                  | 22.88                  | 22.98                  | 0-0.5                              | 0.0         |
|                                | 12      | 7         | 22.88                  | 22.83                  | 22.87                  | 0                                  | 0.0         |
|                                | 12      | 13        | 22.87                  | 22.88                  | 22.80                  | 0-0.5                              | 0.0         |
|                                | 25      | 0         | 22.97                  | 22.94                  | 22.94                  |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK             | 1       | 1         | 22.85                  | 22.83                  | 22.92                  | 0                                  | 0.0         |
|                                | 1       | 13        | 22.94                  | 22.86                  | 22.93                  |                                    | 0.0         |
|                                | 1       | 23        | 22.95                  | 22.87                  | 23.00                  |                                    | 0.0         |
|                                | 12      | 0         | 22.95                  | 22.88                  | 22.97                  | 0-1                                | 0.0         |
|                                | 12      | 7         | 22.78                  | 22.84                  | 23.00                  | 0                                  | 0.0         |
|                                | 12      | 13        | 22.90                  | 22.87                  | 23.03                  | 0-1                                | 0.0         |
|                                | 25      | 0         | 22.93                  | 22.90                  | 22.98                  |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM            | 1       | 1         | 22.54                  | 22.62                  | 22.72                  | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                | 1       | 1         | 22.91                  | 22.95                  | 22.95                  | 0-1.5                              | 0.0         |

|                                                |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset | Page 135 of 227                                                                       |                                        |

**Table 9-107**  
**NR Band n25 (PCS) NSA & SA Antenna 3 Maximum Conducted Powers - 40 MHz Bandwidth**

| NR Band n25<br>40 MHz Bandwidth |         |           |                                                        |                                    |             |
|---------------------------------|---------|-----------|--------------------------------------------------------|------------------------------------|-------------|
| Modulation                      | RB Size | RB Offset | Channel                                                | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|                                 |         |           | 376500<br>(1882.5 MHz)<br><br>Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 24.54                                                  | 0                                  | 0.0         |
|                                 | 1       | 108       | 25.13                                                  |                                    | 0.0         |
|                                 | 1       | 214       | 24.68                                                  |                                    | 0.0         |
|                                 | 108     | 0         | 25.05                                                  | 0-0.5                              | 0.0         |
|                                 | 108     | 54        | 25.17                                                  | 0                                  | 0.0         |
|                                 | 108     | 108       | 25.07                                                  | 0-0.5                              | 0.0         |
|                                 | 216     | 0         | 25.03                                                  |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 24.56                                                  | 0                                  | 0.0         |
|                                 | 1       | 108       | <b>25.16</b>                                           |                                    | 0.0         |
|                                 | 1       | 214       | 24.69                                                  |                                    | 0.0         |
|                                 | 108     | 0         | 25.03                                                  | 0-1                                | 0.0         |
|                                 | 108     | 54        | <b>25.17</b>                                           | 0                                  | 0.0         |
|                                 | 108     | 108       | 25.08                                                  | 0-1                                | 0.0         |
|                                 | 216     | 0         | 25.03                                                  |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 23.69                                                  | 0-1                                | 1.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 23.42                                                  | 0-1.5                              | 1.5         |

Note: NR Band n25 at 40 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                         |                                                                                                                                                                                                              |                               |                                                                                                 |                                 |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  <b>PCTEST</b><br>Proud to be part of  | SAR EVALUATION REPORT         |  <b>LG</b> | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                                           | DUT Type:<br>Portable Handset | Page 136 of 227                                                                                 |                                 |

**Table 9-108**  
**NR Band n25 (PCS) NSA & SA Antenna 3 Maximum Conducted Powers - 30 MHz Bandwidth**

| NR Band n25<br>30 MHz Bandwidth |         |           |                          |                                    |             |
|---------------------------------|---------|-----------|--------------------------|------------------------------------|-------------|
| Modulation                      | RB Size | RB Offset | Channel                  | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|                                 |         |           | 376500<br>(1882.5 MHz)   |                                    |             |
|                                 |         |           | Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 24.79                    | 0                                  | 0           |
|                                 | 1       | 80        | 25.19                    |                                    | 0           |
|                                 | 1       | 158       | 24.82                    |                                    | 0           |
|                                 | 80      | 0         | 25.18                    | 0-0.5                              | 0           |
|                                 | 80      | 40        | 25.20                    | 0                                  | 0           |
|                                 | 80      | 80        | 25.17                    | 0-0.5                              | 0           |
|                                 | 160     | 0         | 25.18                    |                                    | 0           |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 24.80                    | 0                                  | 0           |
|                                 | 1       | 80        | 25.16                    |                                    | 0           |
|                                 | 1       | 158       | 24.89                    |                                    | 0           |
|                                 | 80      | 0         | 25.17                    | 0-1                                | 0           |
|                                 | 80      | 40        | 25.20                    | 0                                  | 0           |
|                                 | 80      | 80        | 25.17                    | 0-1                                | 0           |
|                                 | 160     | 0         | 25.16                    |                                    | 0           |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 23.84                    | 0-1                                | 1           |
| CP-OFDM<br>QPSK                 | 1       | 1         | 23.70                    | 0-1.5                              | 1.5         |

Note: NR Band n25 at 30 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                         |                                                                                                                                                                                                              |                               |                                                                                                 |                                 |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>  |  <b>LG</b> | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                                           | DUT Type:<br>Portable Handset | Page 137 of 227                                                                                 |                                 |

**Table 9-109**  
**NR Band n25 (PCS) NSA & SA Antenna 3 Maximum Conducted Powers - 25 MHz Bandwidth**

| NR Band n25<br>25 MHz Bandwidth |         |           |                          |                                    |             |
|---------------------------------|---------|-----------|--------------------------|------------------------------------|-------------|
| Modulation                      | RB Size | RB Offset | Channel                  | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|                                 |         |           | 376500<br>(1882.5 MHz)   |                                    |             |
|                                 |         |           | Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 25.03                    | 0                                  | 0.0         |
|                                 | 1       | 67        | 25.19                    |                                    | 0.0         |
|                                 | 1       | 131       | 25.13                    |                                    | 0.0         |
|                                 | 64      | 0         | 25.19                    | 0-0.5                              | 0.0         |
|                                 | 64      | 35        | 25.20                    | 0                                  | 0.0         |
|                                 | 64      | 69        | 25.18                    | 0-0.5                              | 0.0         |
|                                 | 128     | 0         | 25.20                    |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 25.05                    | 0                                  | 0.0         |
|                                 | 1       | 67        | 25.20                    |                                    | 0.0         |
|                                 | 1       | 131       | 25.17                    |                                    | 0.0         |
|                                 | 64      | 0         | 25.19                    | 0-1                                | 0.0         |
|                                 | 64      | 35        | 25.20                    | 0                                  | 0.0         |
|                                 | 64      | 69        | 25.19                    | 0-1                                | 0.0         |
|                                 | 128     | 0         | 25.20                    |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 24.04                    | 0-1                                | 1.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 23.49                    | 0-1.5                              | 1.5         |

Note: NR Band n25 at 25 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                                |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset | Page 138 of 227                                                                       |                                        |

**Table 9-110**  
**NR Band n25 (PCS) NSA & SA Antenna 3 Maximum Conducted Powers - 20 MHz Bandwidth**

| NR Band n25<br>20 MHz Bandwidth |         |           |                       |                        |                      |                                    |             |
|---------------------------------|---------|-----------|-----------------------|------------------------|----------------------|------------------------------------|-------------|
|                                 |         |           | Channel               |                        |                      | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                      | RB Size | RB Offset | 372000<br>(1860 MHz)  | 376500<br>(1882.5 MHz) | 381000<br>(1905 MHz) |                                    |             |
|                                 |         |           | Conducted Power [dBm] |                        |                      |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 25.05                 | 25.01                  | 25.12                | 0                                  | 0.0         |
|                                 | 1       | 53        | 25.19                 | 25.19                  | 25.19                |                                    | 0.0         |
|                                 | 1       | 104       | 25.20                 | 25.18                  | 25.20                |                                    | 0.0         |
|                                 | 50      | 0         | 25.20                 | 25.18                  | 25.18                | 0-0.5                              | 0.0         |
|                                 | 50      | 28        | 25.19                 | 25.20                  | 25.19                | 0                                  | 0.0         |
|                                 | 50      | 56        | 25.20                 | 25.17                  | 25.07                | 0-0.5                              | 0.0         |
|                                 | 100     | 0         | 25.20                 | 25.20                  | 25.20                |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 24.98                 | 25.09                  | 25.18                | 0                                  | 0.0         |
|                                 | 1       | 53        | 25.19                 | 25.16                  | 25.19                |                                    | 0.0         |
|                                 | 1       | 104       | 25.14                 | 25.15                  | 25.20                |                                    | 0.0         |
|                                 | 50      | 0         | 25.20                 | 25.19                  | 25.19                | 0-1                                | 0.0         |
|                                 | 50      | 28        | 25.18                 | 25.20                  | 25.19                | 0                                  | 0.0         |
|                                 | 50      | 56        | 25.19                 | 25.18                  | 25.08                | 0-1                                | 0.0         |
|                                 | 100     | 0         | 25.20                 | 25.19                  | 25.18                |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 24.12                 | 24.13                  | 24.14                | 0-1                                | 1.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 23.38                 | 23.46                  | 23.50                | 0-1.5                              | 1.5         |

|                                         |                                                                                                                                                                                                               |                               |                                                                                       |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       | <br><small>Proud to be part of</small>  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                                            | DUT Type:<br>Portable Handset |                                                                                       | Page 139 of 227                 |

**Table 9-111**  
**NR Band n25 (PCS) NSA & SA Antenna 3 Maximum Conducted Powers - 15 MHz Bandwidth**

| NR Band n25<br>15 MHz Bandwidth |         |           |                        |                        |                        |                                    |             |
|---------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------------|-------------|
|                                 |         |           | Channel                |                        |                        | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                      | RB Size | RB Offset | 371500<br>(1857.5 MHz) | 376500<br>(1882.5 MHz) | 381500<br>(1907.5 MHz) |                                    |             |
|                                 |         |           | Conducted Power [dBm]  |                        |                        |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 24.95                  | 25.04                  | 25.02                  | 0                                  | 0.0         |
|                                 | 1       | 40        | 25.11                  | 25.16                  | 25.13                  |                                    | 0.0         |
|                                 | 1       | 77        | 25.04                  | 25.18                  | 25.20                  |                                    | 0.0         |
|                                 | 36      | 0         | 25.20                  | 25.20                  | 25.19                  | 0-0.5                              | 0.0         |
|                                 | 36      | 22        | 25.19                  | 25.20                  | 25.20                  | 0                                  | 0.0         |
|                                 | 36      | 43        | 25.18                  | 25.19                  | 25.18                  | 0-0.5                              | 0.0         |
|                                 | 75      | 0         | 25.13                  | 25.19                  | 25.20                  |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 24.89                  | 25.03                  | 24.98                  | 0                                  | 0.0         |
|                                 | 1       | 40        | 25.12                  | 25.09                  | 25.15                  |                                    | 0.0         |
|                                 | 1       | 77        | 24.97                  | 25.07                  | 25.16                  |                                    | 0.0         |
|                                 | 36      | 0         | 25.19                  | 25.20                  | 25.20                  | 0-1                                | 0.0         |
|                                 | 36      | 22        | 25.20                  | 25.19                  | 25.20                  | 0                                  | 0.0         |
|                                 | 36      | 43        | 25.19                  | 25.17                  | 25.18                  | 0-1                                | 0.0         |
|                                 | 75      | 0         | 25.15                  | 25.18                  | 25.20                  |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 23.95                  | 24.05                  | 24.03                  | 0-1                                | 1.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 23.40                  | 23.43                  | 23.47                  | 0-1.5                              | 1.5         |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 140 of 227                 |



**Table 9-112**  
**NR Band n25 (PCS) NSA & SA Antenna 3 Maximum Conducted Powers - 10 MHz Bandwidth**

| NR Band n25<br>10 MHz Bandwidth |         |           |                       |                        |                      |                                    |             |
|---------------------------------|---------|-----------|-----------------------|------------------------|----------------------|------------------------------------|-------------|
|                                 |         |           | Channel               |                        |                      | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                      | RB Size | RB Offset | 371000<br>(1855 MHz)  | 376500<br>(1882.5 MHz) | 382000<br>(1910 MHz) |                                    |             |
|                                 |         |           | Conducted Power [dBm] |                        |                      |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 25.05                 | 24.96                  | 25.07                | 0                                  | 0.0         |
|                                 | 1       | 26        | 25.16                 | 25.13                  | 25.20                |                                    | 0.0         |
|                                 | 1       | 50        | 25.18                 | 25.11                  | 25.19                |                                    | 0.0         |
|                                 | 25      | 0         | 25.17                 | 25.17                  | 25.20                | 0-0.5                              | 0.0         |
|                                 | 25      | 14        | 25.17                 | 25.18                  | 25.20                | 0                                  | 0.0         |
|                                 | 25      | 27        | 25.13                 | 25.15                  | 25.17                | 0-0.5                              | 0.0         |
|                                 | 50      | 0         | 25.18                 | 25.14                  | 25.20                |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 25.01                 | 24.97                  | 25.07                | 0                                  | 0.0         |
|                                 | 1       | 26        | 25.08                 | 25.09                  | 25.19                |                                    | 0.0         |
|                                 | 1       | 50        | 25.14                 | 25.12                  | 25.20                |                                    | 0.0         |
|                                 | 25      | 0         | 25.18                 | 25.18                  | 25.20                | 0-1                                | 0.0         |
|                                 | 25      | 14        | 25.19                 | 25.15                  | 25.19                | 0                                  | 0.0         |
|                                 | 25      | 27        | 25.14                 | 25.14                  | 25.18                | 0-1                                | 0.0         |
|                                 | 50      | 0         | 25.16                 | 25.16                  | 25.20                |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 23.99                 | 24.04                  | 24.06                | 0-1                                | 1.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 23.41                 | 23.48                  | 23.49                | 0-1.5                              | 1.5         |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 141 of 227                 |

**Table 9-113**  
**NR Band n25 (PCS) NSA & SA Antenna 3 Maximum Conducted Powers - 5 MHz Bandwidth**

| NR Band n25<br>5 MHz Bandwidth |         |           |                        |                        |                        |                                    |             |
|--------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------------|-------------|
|                                |         |           | Channel                |                        |                        | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                     | RB Size | RB Offset | 370500<br>(1852.5 MHz) | 376500<br>(1882.5 MHz) | 382500<br>(1912.5 MHz) |                                    |             |
|                                |         |           | Conducted Power [dBm]  |                        |                        |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK     | 1       | 1         | 25.09                  | 25.06                  | 25.13                  | 0                                  | 0.0         |
|                                | 1       | 13        | 25.17                  | 25.12                  | 25.19                  |                                    | 0.0         |
|                                | 1       | 23        | 25.16                  | 25.10                  | 25.20                  |                                    | 0.0         |
|                                | 12      | 0         | 25.20                  | 25.15                  | 25.20                  | 0-0.5                              | 0.0         |
|                                | 12      | 7         | 25.18                  | 25.16                  | 25.17                  | 0                                  | 0.0         |
|                                | 12      | 13        | 25.14                  | 25.13                  | 25.18                  | 0-0.5                              | 0.0         |
|                                | 25      | 0         | 25.17                  | 25.16                  | 25.20                  |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK             | 1       | 1         | 25.09                  | 25.03                  | 25.11                  | 0                                  | 0.0         |
|                                | 1       | 13        | 25.11                  | 25.10                  | 25.20                  |                                    | 0.0         |
|                                | 1       | 23        | 25.12                  | 25.14                  | 25.19                  |                                    | 0.0         |
|                                | 12      | 0         | 25.19                  | 25.16                  | 25.20                  | 0-1                                | 0.0         |
|                                | 12      | 7         | 25.19                  | 25.13                  | 25.18                  | 0                                  | 0.0         |
|                                | 12      | 13        | 25.15                  | 25.13                  | 25.18                  | 0-1                                | 0.0         |
|                                | 25      | 0         | 25.13                  | 25.14                  | 25.20                  |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM            | 1       | 1         | 24.12                  | 24.11                  | 24.20                  | 0-1                                | 1.0         |
| CP-OFDM<br>QPSK                | 1       | 1         | 23.39                  | 23.46                  | 23.50                  | 0-1.5                              | 1.5         |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 142 of 227                 |

**Table 9-114**  
**NR Band n25 (PCS) NSA & SA Antenna 3 Reduced Conducted Powers - 40 MHz Bandwidth**

| NR Band n25<br>40 MHz Bandwidth |         |           |                                                        |                                    |             |
|---------------------------------|---------|-----------|--------------------------------------------------------|------------------------------------|-------------|
| Modulation                      | RB Size | RB Offset | Channel                                                | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|                                 |         |           | 376500<br>(1882.5 MHz)<br><br>Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 22.51                                                  | 0                                  | 0.0         |
|                                 | 1       | 108       | 23.15                                                  |                                    | 0.0         |
|                                 | 1       | 214       | 22.64                                                  |                                    | 0.0         |
|                                 | 108     | 0         | 22.99                                                  | 0-0.5                              | 0.0         |
|                                 | 108     | 54        | 23.15                                                  | 0                                  | 0.0         |
|                                 | 108     | 108       | 23.04                                                  | 0-0.5                              | 0.0         |
|                                 | 216     | 0         | 23.02                                                  |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 22.58                                                  | 0                                  | 0.0         |
|                                 | 1       | 108       | <b>23.14</b>                                           |                                    | 0.0         |
|                                 | 1       | 214       | 22.61                                                  |                                    | 0.0         |
|                                 | 108     | 0         | 23.01                                                  | 0-1                                | 0.0         |
|                                 | 108     | 54        | <b>23.16</b>                                           | 0                                  | 0.0         |
|                                 | 108     | 108       | 23.07                                                  | 0-1                                | 0.0         |
|                                 | 216     | 0         | 22.98                                                  |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 22.34                                                  | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 22.71                                                  | 0-1.5                              | 0.0         |

Note: NR Band n25 at 40 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                         |                                                                                                                                                 |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  <b>PCTEST</b><br><small>Proud to be part of element</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                              | DUT Type:<br>Portable Handset | Page 143 of 227                                                                       |                                 |

**Table 9-115**  
**NR Band n25 (PCS) NSA & SA Antenna 3 Reduced Conducted Powers - 30 MHz Bandwidth**

| NR Band n25<br>30 MHz Bandwidth |         |           |                          |                                    |             |
|---------------------------------|---------|-----------|--------------------------|------------------------------------|-------------|
| Modulation                      | RB Size | RB Offset | Channel                  | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|                                 |         |           | 376500<br>(1882.5 MHz)   |                                    |             |
|                                 |         |           | Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 22.70                    | 0                                  | 0.0         |
|                                 | 1       | 80        | 23.14                    |                                    | 0.0         |
|                                 | 1       | 158       | 22.85                    |                                    | 0.0         |
|                                 | 80      | 0         | 23.13                    | 0-0.5                              | 0.0         |
|                                 | 80      | 40        | 23.20                    | 0                                  | 0.0         |
|                                 | 80      | 80        | 23.11                    | 0-0.5                              | 0.0         |
|                                 | 160     | 0         | 23.13                    |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 22.77                    | 0                                  | 0.0         |
|                                 | 1       | 80        | 23.20                    |                                    | 0.0         |
|                                 | 1       | 158       | 22.88                    |                                    | 0.0         |
|                                 | 80      | 0         | 23.12                    | 0-1                                | 0.0         |
|                                 | 80      | 40        | 23.20                    | 0                                  | 0.0         |
|                                 | 80      | 80        | 23.16                    | 0-1                                | 0.0         |
|                                 | 160     | 0         | 23.16                    |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 22.49                    | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 22.80                    | 0-1.5                              | 0.0         |

Note: NR Band n25 at 30 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                                |                                                                                                                                                                                                                      |                                      |                                                                                                 |                                        |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              |  <b>PCTEST</b><br>Proud to be part of  element | <b>SAR EVALUATION REPORT</b>         |  <b>LG</b> | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                            | <b>DUT Type:</b><br>Portable Handset | Page 144 of 227                                                                                 |                                        |

**Table 9-116**  
**NR Band n25 (PCS) NSA & SA Antenna 3 Reduced Conducted Powers - 25 MHz Bandwidth**

| NR Band n25<br>25 MHz Bandwidth |         |           |                          |                                    |             |
|---------------------------------|---------|-----------|--------------------------|------------------------------------|-------------|
| Modulation                      | RB Size | RB Offset | Channel                  | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|                                 |         |           | 376500<br>(1882.5 MHz)   |                                    |             |
|                                 |         |           | Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 22.97                    | 0                                  | 0.0         |
|                                 | 1       | 67        | 23.14                    |                                    | 0.0         |
|                                 | 1       | 131       | 23.11                    |                                    | 0.0         |
|                                 | 64      | 0         | 23.15                    | 0-0.5                              | 0.0         |
|                                 | 64      | 35        | 23.20                    | 0                                  | 0.0         |
|                                 | 64      | 69        | 23.13                    | 0-0.5                              | 0.0         |
|                                 | 128     | 0         | 23.19                    |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 23.03                    | 0                                  | 0.0         |
|                                 | 1       | 67        | 23.18                    |                                    | 0.0         |
|                                 | 1       | 131       | 23.13                    |                                    | 0.0         |
|                                 | 64      | 0         | 23.18                    | 0-1                                | 0.0         |
|                                 | 64      | 35        | 23.20                    | 0                                  | 0.0         |
|                                 | 64      | 69        | 23.18                    | 0-1                                | 0.0         |
|                                 | 128     | 0         | 23.15                    |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 22.84                    | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 23.10                    | 0-1.5                              | 0.0         |

Note: NR Band n25 at 25 MHz bandwidth does not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
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| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset | Page 145 of 227                                                                       |                                 |

**Table 9-117**  
**NR Band n25 (PCS) NSA & SA Antenna 3 Reduced Conducted Powers - 20 MHz Bandwidth**

| NR Band n25<br>20 MHz Bandwidth |         |           |                       |                        |                      |                                    |             |
|---------------------------------|---------|-----------|-----------------------|------------------------|----------------------|------------------------------------|-------------|
|                                 |         |           | Channel               |                        |                      | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                      | RB Size | RB Offset | 372000<br>(1860 MHz)  | 376500<br>(1882.5 MHz) | 381000<br>(1905 MHz) |                                    |             |
|                                 |         |           | Conducted Power [dBm] |                        |                      |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 23.09                 | 23.04                  | 23.10                | 0                                  | 0.0         |
|                                 | 1       | 53        | 23.20                 | 23.14                  | 23.20                |                                    | 0.0         |
|                                 | 1       | 104       | 23.13                 | 23.19                  | 23.20                |                                    | 0.0         |
|                                 | 50      | 0         | 23.20                 | 23.14                  | 23.19                | 0-0.5                              | 0.0         |
|                                 | 50      | 28        | 23.19                 | 23.19                  | 23.20                | 0                                  | 0.0         |
|                                 | 50      | 56        | 23.19                 | 23.10                  | 23.06                | 0-0.5                              | 0.0         |
|                                 | 100     | 0         | 23.18                 | 23.17                  | 23.20                |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 22.98                 | 23.01                  | 23.06                | 0                                  | 0.0         |
|                                 | 1       | 53        | 23.10                 | 23.07                  | 23.18                |                                    | 0.0         |
|                                 | 1       | 104       | 23.12                 | 23.16                  | 23.20                |                                    | 0.0         |
|                                 | 50      | 0         | 23.20                 | 23.14                  | 23.19                | 0-1                                | 0.0         |
|                                 | 50      | 28        | 23.18                 | 23.20                  | 23.20                | 0                                  | 0.0         |
|                                 | 50      | 56        | 23.20                 | 23.13                  | 23.05                | 0-1                                | 0.0         |
|                                 | 100     | 0         | 23.19                 | 23.18                  | 23.20                |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 22.74                 | 22.82                  | 22.87                | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 23.07                 | 23.09                  | 23.16                | 0-1.5                              | 0.0         |

|                                                |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
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| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset | Page 146 of 227                                                                       |                                        |

**Table 9-118**  
**NR Band n25 (PCS) NSA & SA Antenna 3 Reduced Conducted Powers - 15 MHz Bandwidth**

| NR Band n25<br>15 MHz Bandwidth |         |           |                        |                        |                        |                                    |             |
|---------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------------|-------------|
|                                 |         |           | Channel                |                        |                        | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                      | RB Size | RB Offset | 371500<br>(1857.5 MHz) | 376500<br>(1882.5 MHz) | 381500<br>(1907.5 MHz) |                                    |             |
|                                 |         |           | Conducted Power [dBm]  |                        |                        |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 23.03                  | 23.01                  | 23.03                  | 0                                  | 0.0         |
|                                 | 1       | 40        | 23.20                  | 23.04                  | 23.18                  |                                    | 0.0         |
|                                 | 1       | 77        | 23.08                  | 23.13                  | 23.20                  |                                    | 0.0         |
|                                 | 36      | 0         | 23.18                  | 23.18                  | 23.19                  | 0-0.5                              | 0.0         |
|                                 | 36      | 22        | 23.19                  | 23.17                  | 23.20                  | 0                                  | 0.0         |
|                                 | 36      | 43        | 23.17                  | 23.11                  | 23.16                  | 0-0.5                              | 0.0         |
|                                 | 75      | 0         | 23.16                  | 23.17                  | 23.20                  |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 22.93                  | 23.02                  | 22.95                  | 0                                  | 0.0         |
|                                 | 1       | 40        | 23.08                  | 23.07                  | 23.12                  |                                    | 0.0         |
|                                 | 1       | 77        | 23.04                  | 23.05                  | 23.20                  |                                    | 0.0         |
|                                 | 36      | 0         | 23.20                  | 23.20                  | 23.19                  | 0-1                                | 0.0         |
|                                 | 36      | 22        | 23.19                  | 23.19                  | 23.20                  | 0                                  | 0.0         |
|                                 | 36      | 43        | 23.16                  | 23.12                  | 23.16                  | 0-1                                | 0.0         |
|                                 | 75      | 0         | 23.17                  | 23.16                  | 23.20                  |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 22.71                  | 22.79                  | 22.76                  | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 23.05                  | 23.07                  | 23.08                  | 0-1.5                              | 0.0         |

|                                                |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
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| FCC ID: ZNFG900TM                              |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset | Page 147 of 227                                                                       |                                        |

**Table 9-119**  
**NR Band n25 (PCS) NSA & SA Antenna 3 Reduced Conducted Powers - 10 MHz Bandwidth**

| NR Band n25<br>10 MHz Bandwidth |         |           |                       |                        |                      |                                    |             |
|---------------------------------|---------|-----------|-----------------------|------------------------|----------------------|------------------------------------|-------------|
|                                 |         |           | Channel               |                        |                      | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                      | RB Size | RB Offset | 371000<br>(1855 MHz)  | 376500<br>(1882.5 MHz) | 382000<br>(1910 MHz) |                                    |             |
|                                 |         |           | Conducted Power [dBm] |                        |                      |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 23.08                 | 23.02                  | 23.16                | 0                                  | 0.0         |
|                                 | 1       | 26        | 23.20                 | 23.11                  | 23.20                |                                    | 0.0         |
|                                 | 1       | 50        | 23.19                 | 23.14                  | 23.19                |                                    | 0.0         |
|                                 | 25      | 0         | 23.15                 | 23.17                  | 23.20                | 0-0.5                              | 0.0         |
|                                 | 25      | 14        | 23.20                 | 23.15                  | 23.18                | 0                                  | 0.0         |
|                                 | 25      | 27        | 23.18                 | 23.10                  | 23.20                | 0-0.5                              | 0.0         |
|                                 | 50      | 0         | 23.20                 | 23.14                  | 23.19                |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 22.93                 | 22.97                  | 23.06                | 0                                  | 0.0         |
|                                 | 1       | 26        | 23.12                 | 23.09                  | 23.20                |                                    | 0.0         |
|                                 | 1       | 50        | 23.10                 | 23.11                  | 23.18                |                                    | 0.0         |
|                                 | 25      | 0         | 23.18                 | 23.19                  | 23.20                | 0-1                                | 0.0         |
|                                 | 25      | 14        | 23.20                 | 23.18                  | 23.19                | 0                                  | 0.0         |
|                                 | 25      | 27        | 23.19                 | 23.14                  | 23.18                | 0-1                                | 0.0         |
|                                 | 50      | 0         | 23.17                 | 23.17                  | 23.20                |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 22.86                 | 22.76                  | 22.83                | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 23.09                 | 23.08                  | 23.15                | 0-1.5                              | 0.0         |

|                                                |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset | Page 148 of 227                                                                       |                                        |



**Table 9-120**  
**NR Band n25 (PCS) NSA & SA Antenna 3 Reduced Conducted Powers - 5 MHz Bandwidth**

| NR Band n25<br>5 MHz Bandwidth |         |           |                        |                        |                        |                                    |             |
|--------------------------------|---------|-----------|------------------------|------------------------|------------------------|------------------------------------|-------------|
|                                |         |           | Channel                |                        |                        | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                     | RB Size | RB Offset | 370500<br>(1852.5 MHz) | 376500<br>(1882.5 MHz) | 382500<br>(1912.5 MHz) |                                    |             |
|                                |         |           | Conducted Power [dBm]  |                        |                        |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK     | 1       | 1         | 23.02                  | 23.09                  | 23.16                  | 0                                  | 0.0         |
|                                | 1       | 13        | 23.16                  | 23.15                  | 23.20                  |                                    | 0.0         |
|                                | 1       | 23        | 23.20                  | 23.16                  | 23.19                  |                                    | 0.0         |
|                                | 12      | 0         | 23.18                  | 23.18                  | 23.20                  | 0-0.5                              | 0.0         |
|                                | 12      | 7         | 23.20                  | 23.16                  | 23.18                  | 0                                  | 0.0         |
|                                | 12      | 13        | 23.15                  | 23.17                  | 23.19                  | 0-0.5                              | 0.0         |
|                                | 25      | 0         | 23.16                  | 23.18                  | 23.20                  |                                    | 0.0         |
| DFT-s-OFDM<br>QPSK             | 1       | 1         | 23.04                  | 23.06                  | 23.09                  | 0                                  | 0.0         |
|                                | 1       | 13        | 23.07                  | 23.02                  | 23.18                  |                                    | 0.0         |
|                                | 1       | 23        | 22.95                  | 23.07                  | 23.20                  |                                    | 0.0         |
|                                | 12      | 0         | 23.16                  | 23.12                  | 23.20                  | 0-1                                | 0.0         |
|                                | 12      | 7         | 23.14                  | 23.11                  | 23.19                  | 0                                  | 0.0         |
|                                | 12      | 13        | 23.10                  | 23.12                  | 23.18                  | 0-1                                | 0.0         |
|                                | 25      | 0         | 23.15                  | 23.17                  | 23.19                  |                                    | 0.0         |
| DFT-s-OFDM<br>16QAM            | 1       | 1         | 22.77                  | 22.83                  | 22.87                  | 0-1                                | 0.0         |
| CP-OFDM<br>QPSK                | 1       | 1         | 23.16                  | 23.13                  | 23.20                  | 0-1.5                              | 0.0         |

|                                         |                                                                                                                                                                                                              |                               |  |                                                                                       |                                 |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|--|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  <b>PCTEST</b><br>Proud to be part of  | SAR EVALUATION REPORT         |  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                                           | DUT Type:<br>Portable Handset |  |                                                                                       | Page 149 of 227                 |

## 9.5.4

## NR Band n41

Table 9-121  
NR Band n41 PC2 Maximum Conducted Powers - 100 MHz Bandwidth

| NR Band n41<br>100 MHz Bandwidth       |         |           |                                                         |                                    |             |
|----------------------------------------|---------|-----------|---------------------------------------------------------|------------------------------------|-------------|
| Modulation                             | RB Size | RB Offset | Channel                                                 | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|                                        |         |           | 518598<br>(2592.99 MHz)<br><br>Conducted<br>Power [dBm] |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK             | 1       | 1         | 26.48                                                   | 0                                  | 0.0         |
|                                        | 1       | 137       | 27.56                                                   |                                    | 0.0         |
|                                        | 1       | 271       | 26.54                                                   |                                    | 0.0         |
|                                        | 135     | 0         | 26.82                                                   | 0-0.5                              | 0.5         |
|                                        | 135     | 69        | 27.53                                                   | 0                                  | 0.0         |
|                                        | 135     | 138       | 26.77                                                   | 0-0.5                              | 0.5         |
|                                        | 270     | 0         | 26.78                                                   |                                    | 0.5         |
| DFT-s-OFDM<br>QPSK                     | 1       | 1         | 26.53                                                   | 0                                  | 0.0         |
|                                        | 1       | 137       | <b>27.61</b>                                            |                                    | 0.0         |
|                                        | 1       | 271       | 26.67                                                   |                                    | 0.0         |
|                                        | 135     | 0         | 26.33                                                   | 0-1                                | 1.0         |
|                                        | 135     | 69        | <b>27.58</b>                                            | 0                                  | 0.0         |
|                                        | 135     | 138       | 26.21                                                   | 0-1                                | 1.0         |
|                                        | 270     | 0         | <b>26.29</b>                                            |                                    | 1.0         |
| DFT-s-OFDM<br>16QAM<br>CP-OFDM<br>QPSK | 1       | 1         | 26.22                                                   | 0-1                                | 1.0         |
|                                        | 1       | 1         | 26.08                                                   | 0-1.5                              | 1.5         |

Note: NR Band n41 at 100 MHz bandwidth does not support non-overlapping channels. Per FCC Guidance, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

|                                         |                                                                                                                                                                                                              |                               |                                                                                       |                                 |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  <b>PCTEST</b><br>Proud to be part of  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                                           | DUT Type:<br>Portable Handset |                                                                                       | Page 150 of 227                 |

**Table 9-122**  
**NR Band n41 PC2 Maximum Conducted Powers - 90 MHz Bandwidth**

| NR Band n41<br>90 MHz Bandwidth        |         |           |                       |                         |                                    |             |
|----------------------------------------|---------|-----------|-----------------------|-------------------------|------------------------------------|-------------|
|                                        |         |           | Channel               |                         | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                             | RB Size | RB Offset | 508200<br>(2541 MHz)  | 528996<br>(2644.98 MHz) |                                    |             |
|                                        |         |           | Conducted Power [dBm] |                         |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK             | 1       | 1         | 26.52                 | 26.54                   | 0                                  | 0.0         |
|                                        | 1       | 123       | 26.98                 | 27.10                   |                                    | 0.0         |
|                                        | 1       | 243       | 26.38                 | 27.02                   |                                    | 0.0         |
|                                        | 120     | 0         | 26.47                 | 26.82                   | 0-0.5                              | 0.5         |
|                                        | 120     | 63        | 27.15                 | 27.43                   | 0                                  | 0.0         |
|                                        | 120     | 125       | 26.52                 | 26.87                   | 0-0.5                              | 0.5         |
|                                        | 243     | 0         | 26.45                 | 26.86                   |                                    | 0.5         |
| DFT-s-OFDM<br>QPSK                     | 1       | 1         | 26.62                 | 26.78                   | 0                                  | 0.0         |
|                                        | 1       | 123       | 27.57                 | 27.34                   |                                    | 0.0         |
|                                        | 1       | 243       | 26.59                 | 27.16                   |                                    | 0.0         |
|                                        | 120     | 0         | 26.18                 | 26.32                   | 0-1                                | 1.0         |
|                                        | 120     | 63        | 27.42                 | 27.44                   | 0                                  | 0.0         |
|                                        | 120     | 125       | 26.23                 | 26.29                   | 0-1                                | 1.0         |
|                                        | 243     | 0         | 26.21                 | 26.35                   |                                    | 1.0         |
| DFT-s-OFDM<br>16QAM<br>CP-OFDM<br>QPSK | 1       | 1         | 26.23                 | 26.40                   |                                    | 1.0         |
|                                        | 1       | 1         | 25.98                 | 26.15                   | 0-1.5                              | 1.5         |

|                                                |                                                                                                                                                 |                                      |                                                                                       |                                        |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              |  <b>PCTEST</b><br><small>Proud to be part of element</small> | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                       | <b>DUT Type:</b><br>Portable Handset | Page 151 of 227                                                                       |                                        |

**Table 9-123**  
**NR Band n41 PC2 Maximum Conducted Powers - 80 MHz Bandwidth**  
**NR Band n41**  
**80 MHz Bandwidth**

|                                        |         |           | Channel                 |                         | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
|----------------------------------------|---------|-----------|-------------------------|-------------------------|------------------------------------|-------------|
| Modulation                             | RB Size | RB Offset | 507204<br>(2536.02 MHz) | 529998<br>(2649.99 MHz) |                                    |             |
|                                        |         |           | Conducted Power [dBm]   |                         |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK             | 1       | 1         | 26.90                   | 26.78                   | 0                                  | 0.0         |
|                                        | 1       | 109       | 27.42                   | 27.40                   |                                    | 0.0         |
|                                        | 1       | 215       | 26.92                   | 27.38                   |                                    | 0.0         |
|                                        | 108     | 0         | 26.72                   | 26.86                   | 0-0.5                              | 0.5         |
|                                        | 108     | 55        | 27.44                   | 27.47                   | 0                                  | 0.0         |
|                                        | 108     | 109       | 26.86                   | 26.94                   | 0-0.5                              | 0.5         |
|                                        | 216     | 0         | 26.91                   | 27.05                   |                                    | 0.5         |
| DFT-s-OFDM<br>QPSK                     | 1       | 1         | 26.88                   | 26.91                   | 0                                  | 0.0         |
|                                        | 1       | 109       | 27.51                   | 27.56                   |                                    | 0.0         |
|                                        | 1       | 215       | 27.19                   | 27.32                   |                                    | 0.0         |
|                                        | 108     | 0         | 26.27                   | 26.26                   | 0-1                                | 1.0         |
|                                        | 108     | 55        | 27.48                   | 27.38                   | 0                                  | 0.0         |
|                                        | 108     | 109       | 26.35                   | 26.42                   | 0-1                                | 1.0         |
|                                        | 216     | 0         | 26.38                   | 26.47                   |                                    | 1.0         |
| DFT-s-OFDM<br>16QAM<br>CP-OFDM<br>QPSK | 1       | 1         | 26.67                   | 26.57                   | 0-1                                | 1.0         |
|                                        | 1       | 1         | 26.20                   | 26.15                   | 0-1.5                              | 1.5         |

|                                                |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset | Page 152 of 227                                                                       |                                        |

**Table 9-124**  
**NR Band n41 PC2 Maximum Conducted Powers - 60 MHz Bandwidth**

| NR Band n41<br>60 MHz Bandwidth |         |           |                       |                         |                         |                                    |             |
|---------------------------------|---------|-----------|-----------------------|-------------------------|-------------------------|------------------------------------|-------------|
|                                 |         |           | Channel               |                         |                         | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                      | RB Size | RB Offset | 505200<br>(2526 MHz)  | 518598<br>(2592.99 MHz) | 531996<br>(2659.98 MHz) |                                    |             |
|                                 |         |           | Conducted Power [dBm] |                         |                         |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK      | 1       | 1         | 27.18                 | 26.77                   | 26.76                   | 0                                  | 0.0         |
|                                 | 1       | 81        | 27.12                 | 27.29                   | 27.24                   |                                    | 0.0         |
|                                 | 1       | 160       | 26.91                 | 26.95                   | 27.69                   |                                    | 0.0         |
|                                 | 81      | 0         | 26.79                 | 26.91                   | 26.74                   | 0-0.5                              | 0.5         |
|                                 | 81      | 41        | 27.39                 | 27.43                   | 27.38                   | 0                                  | 0.0         |
|                                 | 81      | 81        | 26.82                 | 26.79                   | 26.99                   | 0-0.5                              | 0.5         |
|                                 | 162     | 0         | 26.85                 | 26.92                   | 26.86                   |                                    | 0.5         |
| DFT-s-OFDM<br>QPSK              | 1       | 1         | 27.02                 | 27.05                   | 26.91                   | 0                                  | 0.0         |
|                                 | 1       | 81        | 27.43                 | 27.49                   | 27.66                   |                                    | 0.0         |
|                                 | 1       | 160       | 27.20                 | 27.35                   | 27.62                   |                                    | 0.0         |
|                                 | 81      | 0         | 26.34                 | 26.47                   | 26.32                   | 0-1                                | 1.0         |
|                                 | 81      | 41        | 27.35                 | 27.48                   | 27.34                   | 0                                  | 0.0         |
|                                 | 81      | 81        | 26.28                 | 26.36                   | 26.40                   | 0-1                                | 1.0         |
|                                 | 162     | 0         | 26.33                 | 26.42                   | 26.26                   |                                    | 1.0         |
| DFT-s-OFDM<br>16QAM             | 1       | 1         | 26.62                 | 26.42                   | 26.62                   | 0-1                                | 1.0         |
| CP-OFDM<br>QPSK                 | 1       | 1         | 26.20                 | 26.17                   | 26.19                   | 0-1.5                              | 1.5         |

|                                         |                                                                                                                                   |                               |                                                                                       |                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       | <br><small>Proud to be part of element</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                | DUT Type:<br>Portable Handset |                                                                                       | Page 153 of 227                 |

**Table 9-125**  
**NR Band n41 PC2 Maximum Conducted Powers - 50 MHz Bandwidth**

| NR Band n41<br>50 MHz Bandwidth        |         |           |                         |                         |                         |                                    |             |
|----------------------------------------|---------|-----------|-------------------------|-------------------------|-------------------------|------------------------------------|-------------|
|                                        |         |           | Channel                 |                         |                         | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                             | RB Size | RB Offset | 504204<br>(2521.02 MHz) | 518598<br>(2592.99 MHz) | 532998<br>(2664.99 MHz) |                                    |             |
|                                        |         |           | Conducted Power [dBm]   |                         |                         |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK             | 1       | 1         | 27.09                   | 27.28                   | 27.04                   | 0                                  | 0.0         |
|                                        | 1       | 67        | 27.34                   | 27.29                   | 27.42                   |                                    | 0.0         |
|                                        | 1       | 131       | 27.19                   | 27.10                   | 27.47                   |                                    | 0.0         |
|                                        | 64      | 0         | 26.82                   | 26.95                   | 26.85                   | 0-0.5                              | 0.5         |
|                                        | 64      | 35        | 27.33                   | 27.46                   | 27.46                   | 0                                  | 0.0         |
|                                        | 64      | 69        | 26.85                   | 26.91                   | 27.10                   | 0-0.5                              | 0.5         |
|                                        | 128     | 0         | 26.96                   | 27.03                   | 27.02                   |                                    | 0.5         |
| DFT-s-OFDM<br>QPSK                     | 1       | 1         | 27.39                   | 27.43                   | 27.31                   | 0                                  | 0.0         |
|                                        | 1       | 67        | 27.43                   | 27.49                   | 27.51                   |                                    | 0.0         |
|                                        | 1       | 131       | 27.27                   | 27.51                   | 27.60                   |                                    | 0.0         |
|                                        | 64      | 0         | 26.28                   | 26.48                   | 26.32                   | 0-1                                | 1.0         |
|                                        | 64      | 35        | 27.32                   | 27.44                   | 27.43                   | 0                                  | 0.0         |
|                                        | 64      | 69        | 26.28                   | 26.42                   | 26.49                   | 0-1                                | 1.0         |
|                                        | 128     | 0         | 26.37                   | 26.39                   | 26.44                   |                                    | 1.0         |
| DFT-s-OFDM<br>16QAM<br>CP-OFDM<br>QPSK | 1       | 1         | 26.53                   | 26.70                   | 26.57                   | 0-1                                | 1.0         |
|                                        | 1       | 1         | 26.20                   | 26.19                   | 26.17                   | 0-1.5                              | 1.5         |

|                                         |                                                                                                                                   |                               |                                                                                       |                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       | <br><small>Proud to be part of element</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                | DUT Type:<br>Portable Handset |                                                                                       | Page 154 of 227                 |

**Table 9-126**  
**NR Band n41 PC2 Maximum Conducted Powers - 40 MHz Bandwidth**

| NR Band n41<br>40 MHz Bandwidth        |         |           |                         |                         |                         |                      |                                    |             |
|----------------------------------------|---------|-----------|-------------------------|-------------------------|-------------------------|----------------------|------------------------------------|-------------|
|                                        |         |           | Channel                 |                         |                         |                      | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                             | RB Size | RB Offset | 503202<br>(2516.01 MHz) | 513468<br>(2567.34 MHz) | 523734<br>(2618.67 MHz) | 534000<br>(2670 MHz) |                                    |             |
|                                        |         |           | Conducted Power [dBm]   |                         |                         |                      |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK             | 1       | 1         | 26.89                   | 26.74                   | 26.86                   | 26.93                | 0                                  | 0.0         |
|                                        | 1       | 53        | 27.28                   | 27.32                   | 27.11                   | 27.41                |                                    | 0.0         |
|                                        | 1       | 104       | 27.01                   | 27.05                   | 27.03                   | 27.37                |                                    | 0.0         |
|                                        | 50      | 0         | 26.79                   | 26.84                   | 26.87                   | 26.72                | 0-0.5                              | 0.5         |
|                                        | 50      | 28        | 27.30                   | 27.54                   | 27.38                   | 27.49                | 0                                  | 0.0         |
|                                        | 50      | 56        | 26.79                   | 26.82                   | 26.69                   | 26.92                | 0-0.5                              | 0.5         |
|                                        | 100     | 0         | 26.76                   | 26.91                   | 26.88                   | 26.85                |                                    | 0.5         |
| DFT-s-OFDM<br>QPSK                     | 1       | 1         | 27.09                   | 27.03                   | 27.13                   | 26.99                | 0                                  | 0.0         |
|                                        | 1       | 53        | 27.51                   | 27.60                   | 27.53                   | 27.41                |                                    | 0.0         |
|                                        | 1       | 104       | 27.18                   | 27.22                   | 26.97                   | 27.33                |                                    | 0.0         |
|                                        | 50      | 0         | 26.30                   | 26.34                   | 26.40                   | 26.22                | 0-1                                | 1.0         |
|                                        | 50      | 28        | 27.27                   | 27.46                   | 27.33                   | 27.35                | 0                                  | 0.0         |
|                                        | 50      | 56        | 26.12                   | 26.27                   | 26.21                   | 26.43                | 0-1                                | 1.0         |
|                                        | 100     | 0         | 26.23                   | 26.35                   | 26.34                   | 26.33                |                                    | 1.0         |
| DFT-s-OFDM<br>16QAM<br>CP-OFDM<br>QPSK | 1       | 1         | 26.56                   | 26.53                   | 26.58                   | 26.32                | 0-1                                | 1.0         |
|                                        | 1       | 1         | 25.85                   | 25.91                   | 25.77                   | 26.19                | 0-1.5                              | 1.5         |

|                                                |                                                                                                                                                 |                                      |                                                                                       |                                        |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              |  <b>PCTEST</b><br><small>Proud to be part of element</small> | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                       | <b>DUT Type:</b><br>Portable Handset | Page 155 of 227                                                                       |                                        |

**Table 9-127**  
**NR Band n41 PC2 Maximum Conducted Powers - 30 MHz Bandwidth**

| NR Band n41<br>30 MHz Bandwidth        |         |           |                       |                         |                         |                      |                         |                                    |             |
|----------------------------------------|---------|-----------|-----------------------|-------------------------|-------------------------|----------------------|-------------------------|------------------------------------|-------------|
|                                        |         |           | Channel               |                         |                         |                      |                         | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                             | RB Size | RB Offset | 502200<br>(2511 MHz)  | 510402<br>(2552.01 MHz) | 518598<br>(2592.99 MHz) | 526800<br>(2634 MHz) | 534996<br>(2674.98 MHz) |                                    |             |
|                                        |         |           | Conducted Power [dBm] |                         |                         |                      |                         |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK             | 1       | 1         | 27.30                 | 26.85                   | 26.78                   | 27.03                | 27.07                   | 0                                  | 0.0         |
|                                        | 1       | 39        | 27.01                 | 27.09                   | 27.29                   | 26.96                | 27.58                   |                                    | 0.0         |
|                                        | 1       | 76        | 27.10                 | 27.14                   | 27.23                   | 27.02                | 27.42                   |                                    | 0.0         |
|                                        | 36      | 0         | 27.15                 | 27.19                   | 26.91                   | 27.18                | 27.12                   | 0-0.5                              | 0.5         |
|                                        | 36      | 21        | 27.58                 | 27.64                   | 27.42                   | 27.67                | 27.58                   | 0                                  | 0.0         |
|                                        | 36      | 42        | 27.02                 | 27.11                   | 26.89                   | 27.12                | 27.18                   | 0-0.5                              | 0.5         |
|                                        | 75      | 0         | 27.20                 | 26.97                   | 26.64                   | 27.17                | 27.20                   |                                    | 0.5         |
| DFT-s-OFDM<br>QPSK                     | 1       | 1         | 27.27                 | 27.12                   | 27.21                   | 27.11                | 27.08                   | 0                                  | 0.0         |
|                                        | 1       | 39        | 27.52                 | 27.53                   | 27.43                   | 27.38                | 27.62                   |                                    | 0.0         |
|                                        | 1       | 76        | 27.14                 | 27.02                   | 27.48                   | 27.16                | 27.42                   |                                    | 0.0         |
|                                        | 36      | 0         | 26.65                 | 26.64                   | 26.42                   | 26.69                | 26.31                   | 0-1                                | 1.0         |
|                                        | 36      | 21        | 27.59                 | 27.54                   | 27.38                   | 27.58                | 27.59                   | 0                                  | 0.0         |
|                                        | 36      | 42        | 26.45                 | 26.42                   | 26.33                   | 26.66                | 26.54                   | 0-1                                | 1.0         |
|                                        | 75      | 0         | 26.62                 | 26.38                   | 26.41                   | 26.64                | 26.59                   |                                    | 1.0         |
| DFT-s-OFDM<br>16QAM<br>CP-OFDM<br>QPSK | 1       | 1         | 26.69                 | 26.70                   | 26.50                   | 26.67                | 26.51                   | 0-1                                | 1.0         |
|                                        | 1       | 1         | 26.11                 | 25.99                   | 26.15                   | 26.20                | 26.19                   | 0-1.5                              | 1.5         |

**Table 9-128**  
**NR Band n41 PC2 Maximum Conducted Powers - 20 MHz Bandwidth**

| NR Band n41<br>20 MHz Bandwidth        |         |           |                         |                         |                         |                         |                         |                                    |             |
|----------------------------------------|---------|-----------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------------------|-------------|
|                                        |         |           | Channel                 |                         |                         |                         |                         | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                             | RB Size | RB Offset | 501204<br>(2506.02 MHz) | 509898<br>(2549.49 MHz) | 518598<br>(2592.99 MHz) | 527298<br>(2636.49 MHz) | 535998<br>(2679.99 MHz) |                                    |             |
|                                        |         |           | Conducted Power [dBm]   |                         |                         |                         |                         |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK             | 1       | 1         | 27.29                   | 27.15                   | 27.23                   | 27.14                   | 27.38                   | 0                                  | 0.0         |
|                                        | 1       | 26        | 27.38                   | 27.27                   | 27.35                   | 27.23                   | 27.65                   |                                    | 0.0         |
|                                        | 1       | 49        | 27.09                   | 27.10                   | 27.34                   | 26.95                   | 27.02                   |                                    | 0.0         |
|                                        | 25      | 0         | 26.76                   | 26.82                   | 27.19                   | 26.77                   | 26.99                   | 0-0.5                              | 0.5         |
|                                        | 25      | 13        | 27.28                   | 27.32                   | 27.37                   | 27.33                   | 27.48                   | 0                                  | 0.0         |
|                                        | 25      | 26        | 26.73                   | 26.84                   | 26.85                   | 26.73                   | 27.06                   | 0-0.5                              | 0.5         |
|                                        | 50      | 0         | 26.78                   | 26.79                   | 26.83                   | 26.82                   | 27.04                   |                                    | 0.5         |
| DFT-s-OFDM<br>QPSK                     | 1       | 1         | 27.45                   | 27.38                   | 27.47                   | 27.42                   | 27.56                   | 0                                  | 0.0         |
|                                        | 1       | 26        | 27.51                   | 27.46                   | 27.46                   | 27.39                   | 27.67                   |                                    | 0.0         |
|                                        | 1       | 49        | 27.32                   | 27.33                   | 27.49                   | 27.23                   | 27.65                   |                                    | 0.0         |
|                                        | 25      | 0         | 26.19                   | 26.27                   | 26.36                   | 26.32                   | 26.46                   | 0-1                                | 1.0         |
|                                        | 25      | 13        | 27.28                   | 27.35                   | 27.34                   | 27.34                   | 27.39                   | 0                                  | 0.0         |
|                                        | 25      | 26        | 26.16                   | 26.29                   | 26.37                   | 26.25                   | 26.44                   | 0-1                                | 1.0         |
|                                        | 50      | 0         | 26.20                   | 26.34                   | 26.39                   | 26.29                   | 26.45                   |                                    | 1.0         |
| DFT-s-OFDM<br>16QAM<br>CP-OFDM<br>QPSK | 1       | 1         | 26.70                   | 26.53                   | 26.68                   | 26.69                   | 26.49                   | 0-1                                | 1.0         |
|                                        | 1       | 1         | 26.20                   | 26.19                   | 26.20                   | 26.16                   | 26.18                   | 0-1.5                              | 1.5         |

|                                         |                                                                                                                                                                                                |                               |                                                                                       |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       | <br>Proud to be part of  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                             | DUT Type:<br>Portable Handset | Page 156 of 227                                                                       |                                 |



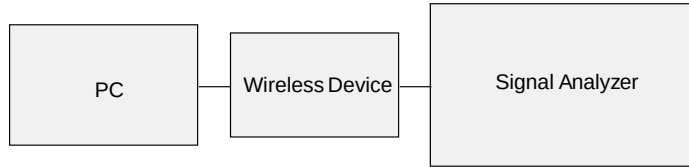
**Table 9-129**  
**NR Band n41 PC2 Maximum Conducted Powers - 15 MHz Bandwidth**

| NR Band n41<br>15 MHz Bandwidth        |         |           |                        |                         |                         |                         |                         |                                    |             |
|----------------------------------------|---------|-----------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------------------|-------------|
|                                        |         |           | Channel                |                         |                         |                         |                         | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                             | RB Size | RB Offset | 500700<br>(2503.5 MHz) | 509652<br>(2548.26 MHz) | 518598<br>(2592.99 MHz) | 527550<br>(2637.75 MHz) | 536502<br>(2682.51 MHz) |                                    |             |
|                                        |         |           | Conducted Power [dBm]  |                         |                         |                         |                         |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK             | 1       | 1         | 27.24                  | 26.95                   | 27.23                   | 27.10                   | 27.33                   | 0                                  | 0.0         |
|                                        | 1       | 19        | 27.36                  | 27.35                   | 27.15                   | 27.28                   | 27.68                   |                                    | 0.0         |
|                                        | 1       | 36        | 27.29                  | 27.13                   | 27.27                   | 26.95                   | 27.29                   |                                    | 0.0         |
|                                        | 18      | 0         | 27.08                  | 26.87                   | 26.91                   | 26.82                   | 27.13                   | 0-0.5                              | 0.5         |
|                                        | 18      | 10        | 27.55                  | 27.40                   | 27.38                   | 27.39                   | 27.60                   | 0                                  | 0.0         |
|                                        | 18      | 20        | 26.97                  | 26.84                   | 26.92                   | 26.81                   | 27.09                   | 0-0.5                              | 0.5         |
|                                        | 36      | 0         | 26.90                  | 26.88                   | 26.88                   | 26.85                   | 27.02                   |                                    | 0.5         |
| DFT-s-OFDM<br>QPSK                     | 1       | 1         | 27.43                  | 27.36                   | 27.37                   | 27.32                   | 27.46                   | 0                                  | 0.0         |
|                                        | 1       | 19        | 27.51                  | 27.38                   | 27.40                   | 27.41                   | 27.70                   |                                    | 0.0         |
|                                        | 1       | 36        | 27.39                  | 27.27                   | 27.58                   | 27.25                   | 27.57                   |                                    | 0.0         |
|                                        | 18      | 0         | 26.38                  | 26.48                   | 26.35                   | 26.33                   | 26.58                   | 0-1                                | 1.0         |
|                                        | 18      | 10        | 27.46                  | 27.36                   | 27.39                   | 27.35                   | 27.62                   | 0                                  | 0.0         |
|                                        | 18      | 20        | 26.34                  | 26.35                   | 26.43                   | 26.28                   | 26.66                   | 0-1                                | 1.0         |
|                                        | 36      | 0         | 26.39                  | 26.33                   | 26.35                   | 26.37                   | 26.50                   |                                    | 1.0         |
| DFT-s-OFDM<br>16QAM<br>CP-OFDM<br>QPSK | 1       | 1         | 26.61                  | 26.67                   | 26.57                   | 26.65                   | 26.63                   | 0-1                                | 1.0         |
|                                        | 1       | 1         | 26.11                  | 26.14                   | 26.19                   | 25.99                   | 26.13                   | 0-1.5                              | 1.5         |

**Table 9-130**  
**NR Band n41 PC2 Maximum Conducted Powers - 10 MHz Bandwidth**

| NR Band n41                            |         |           |                         |                      |                         |                         |                      |                                    |             |
|----------------------------------------|---------|-----------|-------------------------|----------------------|-------------------------|-------------------------|----------------------|------------------------------------|-------------|
| 10 MHz Bandwidth                       |         |           |                         |                      |                         |                         |                      |                                    |             |
|                                        |         |           | Channel                 |                      |                         |                         |                      | MPR<br>Allowed per<br>3GPP<br>[dB] | MPR<br>[dB] |
| Modulation                             | RB Size | RB Offset | 500202<br>(2501.01 MHz) | 509400<br>(2547 MHz) | 518598<br>(2592.99 MHz) | 527802<br>(2639.01 MHz) | 537000<br>(2685 MHz) |                                    |             |
|                                        |         |           | Conducted Power [dBm]   |                      |                         |                         |                      |                                    |             |
| DFT-s-OFDM<br>$\pi/2$ BPSK             | 1       | 1         | 26.97                   | 27.43                | 27.21                   | 27.06                   | 27.18                | 0                                  | 0.0         |
|                                        | 1       | 12        | 27.34                   | 27.30                | 27.16                   | 27.13                   | 27.59                |                                    | 0.0         |
|                                        | 1       | 22        | 27.29                   | 27.24                | 27.27                   | 27.08                   | 27.55                |                                    | 0.0         |
|                                        | 12      | 0         | 26.92                   | 26.88                | 26.84                   | 26.79                   | 27.15                | 0-0.5                              | 0.5         |
|                                        | 12      | 6         | 27.53                   | 27.36                | 27.32                   | 27.28                   | 27.51                | 0                                  | 0.0         |
|                                        | 12      | 12        | 27.05                   | 26.84                | 26.81                   | 26.82                   | 27.09                | 0-0.5                              | 0.5         |
| 24                                     | 0       | 26.84     | 26.85                   | 26.85                | 26.78                   | 27.08                   | 0.5                  |                                    |             |
| DFT-s-OFDM<br>QPSK                     | 1       | 1         | 27.48                   | 27.32                | 27.32                   | 27.30                   | 27.49                | 0                                  | 0.0         |
|                                        | 1       | 12        | 27.51                   | 27.42                | 27.36                   | 27.39                   | 27.61                |                                    | 0.0         |
|                                        | 1       | 22        | 27.46                   | 27.38                | 27.42                   | 27.33                   | 27.58                |                                    | 0.0         |
|                                        | 12      | 0         | 26.40                   | 26.36                | 26.29                   | 26.28                   | 26.61                | 0-1                                | 1.0         |
|                                        | 12      | 6         | 27.35                   | 27.29                | 27.25                   | 27.35                   | 27.63                | 0                                  | 0.0         |
|                                        | 12      | 12        | 26.37                   | 26.31                | 26.28                   | 26.18                   | 26.64                | 0-1                                | 1.0         |
| 24                                     | 0       | 26.28     | 26.33                   | 26.30                | 26.34                   | 26.56                   | 1.0                  |                                    |             |
| DFT-s-OFDM<br>16QAM<br>CP-OFDM<br>QPSK | 1       | 1         | 26.41                   | 26.39                | 26.54                   | 26.60                   | 26.50                | 0-1                                | 1.0         |
|                                        | 1       | 1         | 25.97                   | 26.05                | 26.19                   | 26.04                   | 26.12                | 0-1.5                              | 1.5         |

|                                         |                                                                                                                                                                                                |                               |                                                                                       |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       | <br>Proud to be part of  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                             | DUT Type:<br>Portable Handset | Page 157 of 227                                                                       |                                 |



**Figure 9-5**  
**Power Measurement Setup**

|                                         |                                                                                                                                                 |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  <b>PCTEST</b><br><small>Proud to be part of element</small> | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                              | DUT Type:<br>Portable Handset | Page 158 of 227                                                                       |                                 |

## 9.6 WLAN Conducted Powers

**Table 9-131**  
**2.4 GHz WLAN Maximum Average RF Power – Ant 1**

| 2.4GHz Conducted Power [dBm] |         |                        |         |         |
|------------------------------|---------|------------------------|---------|---------|
| Freq [MHz]                   | Channel | IEEE Transmission Mode |         |         |
|                              |         | 802.11b                | 802.11g | 802.11n |
|                              |         | Average                | Average | Average |
| 2412                         | 1       | 20.87                  | 16.41   | 15.63   |
| 2422                         | 3       | N/A                    | 19.43   | 18.30   |
| 2437                         | 6       | 20.90                  | 19.44   | 18.19   |
| 2452                         | 9       | N/A                    | 19.40   | 18.25   |
| 2462                         | 11      | 20.90                  | 16.84   | 15.67   |

**Table 9-132**  
**2.4 GHz WLAN Maximum Average RF Power – Ant 2**

| 2.4GHz Conducted Power [dBm] |         |                        |         |         |
|------------------------------|---------|------------------------|---------|---------|
| Freq [MHz]                   | Channel | IEEE Transmission Mode |         |         |
|                              |         | 802.11b                | 802.11g | 802.11n |
|                              |         | Average                | Average | Average |
| 2412                         | 1       | 20.74                  | 16.38   | 15.82   |
| 2422                         | 3       | N/A                    | 19.28   | 18.20   |
| 2437                         | 6       | 20.90                  | 19.11   | 18.05   |
| 2452                         | 9       | N/A                    | 19.14   | 18.11   |
| 2462                         | 11      | 20.86                  | 16.68   | 15.55   |

**Table 9-133**  
**2.4 GHz WLAN Reduced Average RF Power – Ant 1**

| 2.4GHz Conducted Power [dBm] |         |                        |         |         |
|------------------------------|---------|------------------------|---------|---------|
| Freq [MHz]                   | Channel | IEEE Transmission Mode |         |         |
|                              |         | 802.11b                | 802.11g | 802.11n |
|                              |         | Average                | Average | Average |
| 2412                         | 1       | 15.63                  | 14.85   | 14.64   |
| 2437                         | 6       | 15.80                  | 14.62   | 14.68   |
| 2462                         | 11      | 15.51                  | 14.58   | 14.35   |

**Table 9-134**  
**2.4 GHz WLAN Reduced Average RF Power – Ant 2**

| 2.4GHz Conducted Power [dBm] |         |                        |         |         |
|------------------------------|---------|------------------------|---------|---------|
| Freq [MHz]                   | Channel | IEEE Transmission Mode |         |         |
|                              |         | 802.11b                | 802.11g | 802.11n |
|                              |         | Average                | Average | Average |
| 2412                         | 1       | 15.86                  | 14.65   | 14.93   |
| 2437                         | 6       | 15.53                  | 14.44   | 14.65   |
| 2462                         | 11      | 15.57                  | 14.59   | 14.70   |

|                                         |                                                                                                                                                                                                              |                               |                                                                                       |                                 |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  <b>PCTEST</b><br>Proud to be part of  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                                           | DUT Type:<br>Portable Handset |                                                                                       | Page 159 of 227                 |

**Table 9-135**  
**2.4 GHz WLAN Reduced Average RF Power – MIMO**

| 2.4GHz 802.11b Conducted Power [dBm] |         |       |       |       |
|--------------------------------------|---------|-------|-------|-------|
| Freq [MHz]                           | Channel | ANT1  | ANT2  | MIMO  |
| 2412                                 | 1       | 20.87 | 20.74 | 23.82 |
| 2437                                 | 6       | 20.90 | 20.90 | 23.91 |
| 2462                                 | 11      | 20.90 | 20.86 | 23.89 |

**Table 9-136**  
**5 GHz WLAN Maximum Average RF Power – Ant 1**

| 5GHz (20MHz) Conducted Power [dBm] |         |                        |         |          |
|------------------------------------|---------|------------------------|---------|----------|
| Freq [MHz]                         | Channel | IEEE Transmission Mode |         |          |
|                                    |         | 802.11a                | 802.11n | 802.11ac |
|                                    |         | Average                | Average | Average  |
| 5180                               | 36      | 17.27                  | 17.15   | 17.08    |
| 5200                               | 40      | 19.32                  | 19.11   | 19.13    |
| 5220                               | 44      | 17.10                  | 16.98   | 17.01    |
| 5240                               | 48      | 17.12                  | 16.99   | 16.94    |
| 5260                               | 52      | 17.15                  | 16.99   | 17.00    |
| 5280                               | 56      | 19.34                  | 19.23   | 19.24    |
| 5300                               | 60      | 17.11                  | 16.98   | 16.92    |
| 5320                               | 64      | 17.15                  | 16.94   | 16.98    |
| 5500                               | 100     | 17.20                  | 16.97   | 16.96    |
| 5600                               | 120     | 16.65                  | 16.54   | 16.51    |
| 5620                               | 124     | 16.57                  | 16.36   | 16.42    |
| 5700                               | 140     | 16.88                  | 16.68   | 16.65    |
| 5720                               | 144     | 16.87                  | 16.72   | 16.71    |
| 5745                               | 149     | 16.72                  | 16.52   | 16.56    |
| 5785                               | 157     | 19.07                  | 18.90   | 18.88    |
| 5825                               | 165     | 18.88                  | 18.70   | 18.70    |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset | Page 160 of 227                                                                       |                                 |

**Table 9-137**  
**5 GHz WLAN Maximum Average RF Power – Ant 2**

| 5GHz (20MHz) Conducted Power [dBm] |         |                        |         |          |
|------------------------------------|---------|------------------------|---------|----------|
| Freq [MHz]                         | Channel | IEEE Transmission Mode |         |          |
|                                    |         | 802.11a                | 802.11n | 802.11ac |
|                                    |         | Average                | Average | Average  |
| 5180                               | 36      | 16.59                  | 16.40   | 16.50    |
| 5200                               | 40      | 18.58                  | 18.59   | 18.55    |
| 5220                               | 44      | 16.58                  | 16.36   | 16.35    |
| 5240                               | 48      | 16.71                  | 16.59   | 16.55    |
| 5260                               | 52      | 16.68                  | 16.50   | 16.49    |
| 5280                               | 56      | 18.61                  | 18.46   | 18.47    |
| 5300                               | 60      | 16.68                  | 16.51   | 16.46    |
| 5320                               | 64      | 16.67                  | 16.47   | 16.47    |
| 5500                               | 100     | 17.06                  | 16.84   | 16.80    |
| 5600                               | 120     | 16.35                  | 16.36   | 16.31    |
| 5620                               | 124     | 16.53                  | 16.40   | 16.42    |
| 5700                               | 140     | 16.86                  | 16.72   | 16.66    |
| 5720                               | 144     | 16.87                  | 16.66   | 16.70    |
| 5745                               | 149     | 17.02                  | 16.84   | 16.83    |
| 5785                               | 157     | 18.99                  | 18.90   | 18.87    |
| 5825                               | 165     | 18.82                  | 18.70   | 18.65    |

**Table 9-138**  
**5 GHz WLAN Maximum Average RF Power – MIMO**

| 5GHz (20MHz) 802.11n Conducted Power [dBm] |         |       |       |       |
|--------------------------------------------|---------|-------|-------|-------|
| Freq [MHz]                                 | Channel | ANT1  | ANT2  | MIMO  |
| 5180                                       | 36      | 17.15 | 16.40 | 19.80 |
| 5200                                       | 40      | 19.11 | 18.59 | 21.87 |
| 5220                                       | 44      | 16.98 | 16.36 | 19.69 |
| 5240                                       | 48      | 16.99 | 16.59 | 19.80 |
| 5260                                       | 52      | 16.99 | 16.50 | 19.76 |
| 5280                                       | 56      | 19.23 | 18.46 | 21.87 |
| 5300                                       | 60      | 16.98 | 16.51 | 19.76 |
| 5320                                       | 64      | 16.94 | 16.47 | 19.72 |
| 5500                                       | 100     | 16.97 | 16.84 | 19.92 |
| 5600                                       | 120     | 16.54 | 16.36 | 19.46 |
| 5620                                       | 124     | 16.36 | 16.40 | 19.39 |
| 5720                                       | 144     | 16.72 | 16.66 | 19.70 |
| 5745                                       | 149     | 16.52 | 16.84 | 19.69 |
| 5785                                       | 157     | 18.90 | 18.90 | 21.91 |
| 5825                                       | 165     | 18.70 | 18.70 | 21.71 |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 161 of 227                 |

**Table 9-139**  
**5 GHz WLAN Reduced Average RF Power– Ant 1**

| 5GHz (20MHz) Conducted Power [dBm] |         |                        |         |          |
|------------------------------------|---------|------------------------|---------|----------|
| Freq [MHz]                         | Channel | IEEE Transmission Mode |         |          |
|                                    |         | 802.11a                | 802.11n | 802.11ac |
|                                    |         | Average                | Average | Average  |
| 5180                               | 36      | 14.82                  | 14.72   | 14.61    |
| 5200                               | 40      | 16.61                  | 16.82   | 16.83    |
| 5220                               | 44      | 14.65                  | 14.51   | 14.54    |
| 5240                               | 48      | 14.63                  | 14.94   | 14.93    |
| 5260                               | 52      | 14.62                  | 14.54   | 14.53    |
| 5280                               | 56      | 16.91                  | 16.76   | 16.72    |
| 5300                               | 60      | 14.69                  | 14.54   | 14.45    |
| 5320                               | 64      | 14.53                  | 14.84   | 14.69    |
| 5745                               | 149     | 14.57                  | 14.81   | 14.75    |
| 5785                               | 157     | 16.70                  | 16.90   | 16.91    |
| 5825                               | 165     | 16.72                  | 16.97   | 16.98    |

| 5GHz (40MHz) Conducted Power [dBm] |         |                        |          |
|------------------------------------|---------|------------------------|----------|
| Freq [MHz]                         | Channel | IEEE Transmission Mode |          |
|                                    |         | 802.11n                | 802.11ac |
|                                    |         | Average                | Average  |
| 5510                               | 102     | 13.22                  | 13.25    |
| 5550                               | 110     | 14.81                  | 14.84    |
| 5590                               | 118     | 14.49                  | 14.53    |
| 5630                               | 126     | 14.85                  | 14.83    |
| 5710                               | 142     | 14.50                  | 14.53    |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 162 of 227                 |

**Table 9-140**  
**5 GHz WLAN Reduced Average RF Power– Ant 2**

| 5GHz (20MHz) Conducted Power [dBm] |         |                        |         |          |
|------------------------------------|---------|------------------------|---------|----------|
| Freq [MHz]                         | Channel | IEEE Transmission Mode |         |          |
|                                    |         | 802.11a                | 802.11n | 802.11ac |
|                                    |         | Average                | Average | Average  |
| 5180                               | 36      | 14.53                  | 14.64   | 14.64    |
| 5200                               | 40      | 16.78                  | 16.71   | 16.60    |
| 5220                               | 44      | 14.97                  | 14.65   | 14.63    |
| 5240                               | 48      | 14.62                  | 14.91   | 14.73    |
| 5260                               | 52      | 14.64                  | 14.85   | 14.81    |
| 5280                               | 56      | 16.90                  | 16.65   | 16.70    |
| 5300                               | 60      | 14.65                  | 14.84   | 14.99    |
| 5320                               | 64      | 14.52                  | 14.73   | 14.94    |
| 5745                               | 149     | 14.74                  | 14.87   | 14.91    |
| 5785                               | 157     | 16.80                  | 16.52   | 16.99    |
| 5825                               | 165     | 16.75                  | 16.94   | 16.98    |

| 5GHz (40MHz) Conducted Power [dBm] |         |                        |          |
|------------------------------------|---------|------------------------|----------|
| Freq [MHz]                         | Channel | IEEE Transmission Mode |          |
|                                    |         | 802.11n                | 802.11ac |
|                                    |         | Average                | Average  |
| 5510                               | 102     | 13.43                  | 13.42    |
| 5550                               | 110     | 14.94                  | 14.91    |
| 5590                               | 118     | 14.54                  | 14.68    |
| 5630                               | 126     | 14.79                  | 14.79    |
| 5710                               | 142     | 14.72                  | 14.76    |

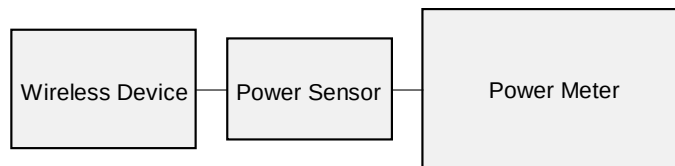
**Table 9-141**  
**5 GHz WLAN Reduced Average RF Power– MIMO**

| 5GHz (20MHz) 802.11n Conducted Power [dBm] |         |       |       |       |
|--------------------------------------------|---------|-------|-------|-------|
| Freq [MHz]                                 | Channel | ANT1  | ANT2  | MIMO  |
| 5180                                       | 36      | 14.72 | 14.64 | 17.69 |
| 5200                                       | 40      | 16.82 | 16.71 | 19.78 |
| 5220                                       | 44      | 14.51 | 14.65 | 17.59 |
| 5240                                       | 48      | 14.94 | 14.91 | 17.94 |
| 5260                                       | 52      | 14.54 | 14.85 | 17.71 |
| 5280                                       | 56      | 16.76 | 16.65 | 19.72 |
| 5300                                       | 60      | 14.54 | 14.84 | 17.70 |
| 5320                                       | 64      | 14.84 | 14.73 | 17.80 |
| 5745                                       | 149     | 14.81 | 14.87 | 17.85 |
| 5765                                       | 153     | 14.80 | 14.86 | 17.84 |
| 5785                                       | 157     | 16.90 | 16.52 | 19.72 |
| 5825                                       | 165     | 16.97 | 16.94 | 19.97 |

| 5GHz (40MHz) 802.11n Conducted Power [dBm] |         |       |       |       |
|--------------------------------------------|---------|-------|-------|-------|
| Freq [MHz]                                 | Channel | ANT1  | ANT2  | MIMO  |
| 5510                                       | 102     | 13.22 | 13.43 | 16.34 |
| 5550                                       | 110     | 14.81 | 14.94 | 17.89 |
| 5590                                       | 118     | 14.49 | 14.54 | 17.53 |
| 5630                                       | 126     | 14.85 | 14.79 | 17.83 |
| 5710                                       | 142     | 14.50 | 14.72 | 17.62 |

Justification for test configurations for WLAN per KDB Publication 248227 D01v02r02:

- Power measurements were performed for the transmission mode configuration with the highest maximum output power specified for production units.
- For transmission modes with the same maximum output power specification, powers were measured for the largest channel bandwidth, lowest order modulation and lowest data rate.
- For transmission modes with identical maximum specified output power, channel bandwidth, modulation and data rates, power measurements were required for all identical configurations.
- For each transmission mode configuration, powers were measured for the highest and lowest channels; and at the mid-band channel(s) when there were at least 3 channels supported. For configurations with multiple mid-band channels, due to an even number of channels, both channels were measured.



**Figure 9-6**  
**Power Measurement Setup**

|                                         |                                                                                                                                                                                                |                               |                                                                                       |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       | <br>Proud to be part of  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                             | DUT Type:<br>Portable Handset | Page 163 of 227                                                                       |                                 |

## 9.7 Bluetooth Conducted Powers

Table 9-142  
Bluetooth Average RF Power

| Frequency<br>[MHz] | Data<br>Rate<br>[Mbps] | Channel<br>No. | Avg Conducted<br>Power |        |
|--------------------|------------------------|----------------|------------------------|--------|
|                    |                        |                | [dBm]                  | [mW]   |
| 2402               | 1.0                    | 0              | 9.18                   | 8.275  |
| 2441               | 1.0                    | 39             | 10.38                  | 10.921 |
| 2480               | 1.0                    | 78             | 8.96                   | 7.873  |
| 2402               | 2.0                    | 0              | 9.18                   | 8.287  |
| 2441               | 2.0                    | 39             | 10.44                  | 11.077 |
| 2480               | 2.0                    | 78             | 9.03                   | 8.002  |
| 2402               | 3.0                    | 0              | 9.27                   | 8.460  |
| 2441               | 3.0                    | 39             | 10.52                  | 11.263 |
| 2480               | 3.0                    | 78             | 9.15                   | 8.226  |

|                                         |                                                                                                                                                                                                              |                               |                                                                                       |                                 |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  <b>PCTEST</b><br>Proud to be part of  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                                           | DUT Type:<br>Portable Handset |                                                                                       | Page 164 of 227                 |



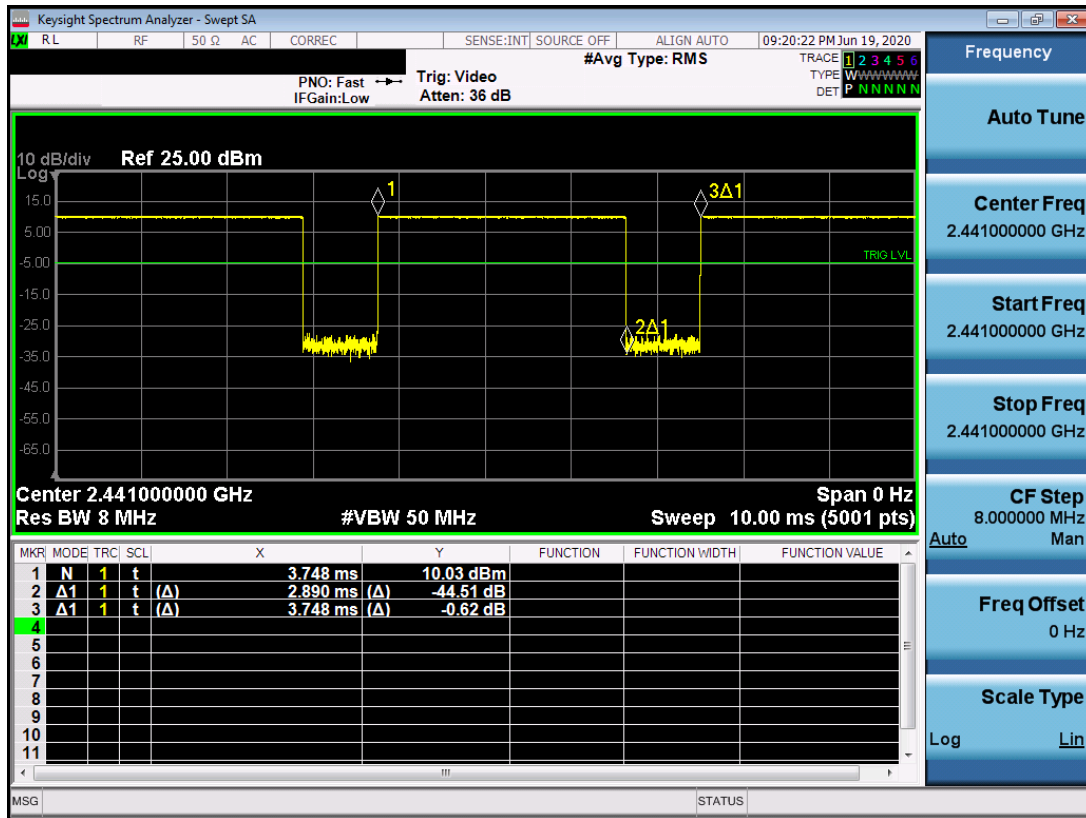


Figure 9-7  
Bluetooth Transmission Plot

Equation 9-1  
Bluetooth Duty Cycle Calculation

$$\text{Duty Cycle} = \frac{\text{Pulse Width}}{\text{Period}} * 100\% = \frac{2.89 \text{ ms}}{3.75 \text{ ms}} * 100\% = 77.1\%$$

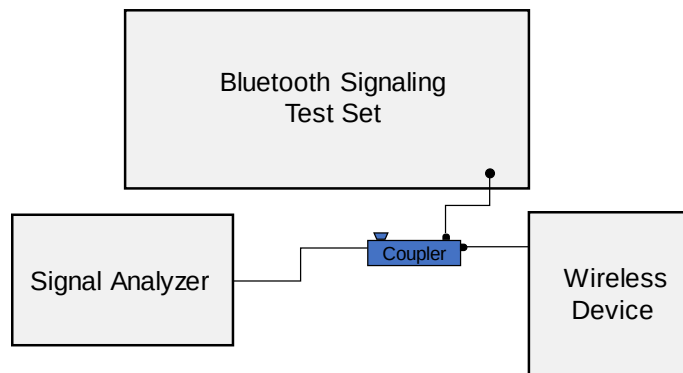


Figure 9-8  
Power Measurement Setup

|                                         |                                                                                                                                                                                                       |                               |                                                                                          |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  PCTEST<br>Proud to be part of  | SAR EVALUATION REPORT         |  LG | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                                    | DUT Type:<br>Portable Handset |                                                                                          | Page 165 of 227                 |

# 10 SYSTEM VERIFICATION

## 10.1 Tissue Verification

**Table 10-1**  
**Measured Tissue Properties - Head**

| Calibrated for Tests Performed on: | Tissue Type | Tissue Temp During Calibration (°C) | Measured Frequency (MHz) | Measured Conductivity, $\sigma$ (S/m) | Measured Dielectric Constant, $\epsilon$ | TARGET Conductivity, $\sigma$ (S/m) | TARGET Dielectric Constant, $\epsilon$ | % dev $\sigma$ | % dev $\epsilon$ |
|------------------------------------|-------------|-------------------------------------|--------------------------|---------------------------------------|------------------------------------------|-------------------------------------|----------------------------------------|----------------|------------------|
| 07/05/2020                         | 750 Head    | 21.9                                | 680                      | 0.855                                 | 43.225                                   | 0.888                               | 42.305                                 | -3.72%         | 2.17%            |
|                                    |             |                                     | 695                      | 0.862                                 | 43.179                                   | 0.889                               | 42.227                                 | -3.04%         | 2.25%            |
|                                    |             |                                     | 700                      | 0.864                                 | 43.165                                   | 0.889                               | 42.201                                 | -2.81%         | 2.28%            |
|                                    |             |                                     | 710                      | 0.869                                 | 43.144                                   | 0.890                               | 42.149                                 | -2.36%         | 2.36%            |
|                                    |             |                                     | 725                      | 0.875                                 | 43.111                                   | 0.891                               | 42.071                                 | -1.80%         | 2.47%            |
|                                    |             |                                     | 750                      | 0.883                                 | 43.064                                   | 0.894                               | 41.942                                 | -1.23%         | 2.68%            |
|                                    |             |                                     | 770                      | 0.887                                 | 43.007                                   | 0.895                               | 41.838                                 | -0.89%         | 2.79%            |
|                                    |             |                                     | 785                      | 0.891                                 | 42.948                                   | 0.896                               | 41.760                                 | -0.56%         | 2.84%            |
|                                    |             |                                     | 800                      | 0.895                                 | 42.886                                   | 0.897                               | 41.682                                 | -0.22%         | 2.89%            |
| 07/06/2020                         | 835 Head    | 23.0                                | 820                      | 0.897                                 | 42.804                                   | 0.899                               | 41.578                                 | -0.22%         | 2.95%            |
|                                    |             |                                     | 835                      | 0.903                                 | 42.758                                   | 0.900                               | 41.500                                 | 0.33%          | 3.03%            |
|                                    |             |                                     | 850                      | 0.909                                 | 42.721                                   | 0.916                               | 41.500                                 | -0.76%         | 2.94%            |
| 07/11/2020                         | 1750 Head   | 22.5                                | 1710                     | 1.300                                 | 41.079                                   | 1.348                               | 40.142                                 | -3.56%         | 2.33%            |
|                                    |             |                                     | 1720                     | 1.306                                 | 41.066                                   | 1.354                               | 40.126                                 | -3.55%         | 2.34%            |
|                                    |             |                                     | 1745                     | 1.319                                 | 41.032                                   | 1.368                               | 40.087                                 | -3.58%         | 2.36%            |
|                                    |             |                                     | 1750                     | 1.321                                 | 41.025                                   | 1.371                               | 40.079                                 | -3.65%         | 2.36%            |
|                                    |             |                                     | 1770                     | 1.333                                 | 40.996                                   | 1.383                               | 40.047                                 | -3.62%         | 2.37%            |
|                                    |             |                                     | 1790                     | 1.343                                 | 40.971                                   | 1.394                               | 40.016                                 | -3.66%         | 2.39%            |
|                                    |             |                                     | 1710                     | 1.308                                 | 41.998                                   | 1.348                               | 40.142                                 | -2.97%         | 4.62%            |
| 08/10/2020                         | 1750 Head   | 22.1                                | 1720                     | 1.315                                 | 41.991                                   | 1.354                               | 40.126                                 | -2.88%         | 4.65%            |
|                                    |             |                                     | 1745                     | 1.332                                 | 41.975                                   | 1.368                               | 40.087                                 | -2.63%         | 4.71%            |
|                                    |             |                                     | 1750                     | 1.336                                 | 41.972                                   | 1.371                               | 40.079                                 | -2.55%         | 4.72%            |
|                                    |             |                                     | 1770                     | 1.349                                 | 41.952                                   | 1.383                               | 40.047                                 | -2.46%         | 4.76%            |
|                                    |             |                                     | 1790                     | 1.360                                 | 41.912                                   | 1.394                               | 40.016                                 | -2.44%         | 4.74%            |
| 07/03/2020                         | 1900 Head   | 21.3                                | 1850                     | 1.340                                 | 40.157                                   | 1.400                               | 40.000                                 | -4.29%         | 0.39%            |
|                                    |             |                                     | 1860                     | 1.346                                 | 40.142                                   | 1.400                               | 40.000                                 | -3.86%         | 0.36%            |
|                                    |             |                                     | 1880                     | 1.359                                 | 40.110                                   | 1.400                               | 40.000                                 | -2.93%         | 0.27%            |
|                                    |             |                                     | 1900                     | 1.371                                 | 40.081                                   | 1.400                               | 40.000                                 | -2.07%         | 0.20%            |
|                                    |             |                                     | 1905                     | 1.374                                 | 40.076                                   | 1.400                               | 40.000                                 | -1.86%         | 0.19%            |
|                                    |             |                                     | 1910                     | 1.377                                 | 40.069                                   | 1.400                               | 40.000                                 | -1.64%         | 0.17%            |
| 07/07/2020                         | 1900 Head   | 22.0                                | 1850                     | 1.374                                 | 40.950                                   | 1.400                               | 40.000                                 | -1.86%         | 2.38%            |
|                                    |             |                                     | 1860                     | 1.379                                 | 40.935                                   | 1.400                               | 40.000                                 | -1.50%         | 2.34%            |
|                                    |             |                                     | 1880                     | 1.391                                 | 40.907                                   | 1.400                               | 40.000                                 | -0.64%         | 2.27%            |
|                                    |             |                                     | 1900                     | 1.403                                 | 40.885                                   | 1.400                               | 40.000                                 | 0.21%          | 2.21%            |
|                                    |             |                                     | 1905                     | 1.405                                 | 40.881                                   | 1.400                               | 40.000                                 | 0.36%          | 2.20%            |
|                                    |             |                                     | 1910                     | 1.408                                 | 40.879                                   | 1.400                               | 40.000                                 | 0.57%          | 2.20%            |
| 08/10/2020                         | 1900 Head   | 22.1                                | 1850                     | 1.399                                 | 41.764                                   | 1.400                               | 40.000                                 | -0.07%         | 4.41%            |
|                                    |             |                                     | 1860                     | 1.405                                 | 41.754                                   | 1.400                               | 40.000                                 | 0.36%          | 4.38%            |
|                                    |             |                                     | 1880                     | 1.416                                 | 41.743                                   | 1.400                               | 40.000                                 | 1.14%          | 4.36%            |
|                                    |             |                                     | 1900                     | 1.427                                 | 41.722                                   | 1.400                               | 40.000                                 | 1.93%          | 4.31%            |
|                                    |             |                                     | 1905                     | 1.430                                 | 41.714                                   | 1.400                               | 40.000                                 | 2.14%          | 4.29%            |
|                                    |             |                                     | 1910                     | 1.434                                 | 41.706                                   | 1.400                               | 40.000                                 | 2.43%          | 4.27%            |
| 7/9/2020                           | 2450 Head   | 22.8                                | 2400                     | 1.826                                 | 39.303                                   | 1.756                               | 39.289                                 | 3.99%          | 0.04%            |
|                                    |             |                                     | 2450                     | 1.882                                 | 39.119                                   | 1.800                               | 39.200                                 | 4.56%          | -0.21%           |
|                                    |             |                                     | 2480                     | 1.914                                 | 39.024                                   | 1.833                               | 39.162                                 | 4.42%          | -0.35%           |
| 07/20/2020                         | 2450 Head   | 22.0                                | 2400                     | 1.746                                 | 40.788                                   | 1.756                               | 39.289                                 | -0.57%         | 3.82%            |
|                                    |             |                                     | 2450                     | 1.788                                 | 40.696                                   | 1.800                               | 39.200                                 | -0.67%         | 3.82%            |
|                                    |             |                                     | 2480                     | 1.809                                 | 40.656                                   | 1.833                               | 39.162                                 | -1.31%         | 3.81%            |

|                                         |                                                                                                                                                                                                              |                               |                                                                                       |                                 |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                                           | DUT Type:<br>Portable Handset |                                                                                       | Page 166 of 227                 |

**Table 10-2**  
**Measured Tissue Properties – Head Continued**

| Calibrated for Tests Performed on: | Tissue Type    | Tissue Temp During Calibration (°C) | Measured Frequency (MHz) | Measured Conductivity, $\sigma$ (S/m) | Measured Dielectric Constant, $\epsilon$ | TARGET Conductivity, $\sigma$ (S/m) | TARGET Dielectric Constant, $\epsilon$ | % dev $\sigma$ | % dev $\epsilon$ |
|------------------------------------|----------------|-------------------------------------|--------------------------|---------------------------------------|------------------------------------------|-------------------------------------|----------------------------------------|----------------|------------------|
| 08/04/2020                         | 2450 Head      | 24.1                                | 2600                     | 2.045                                 | 38.138                                   | 1.964                               | 39.009                                 | 4.12%          | -2.23%           |
|                                    |                |                                     | 2650                     | 2.103                                 | 37.931                                   | 2.018                               | 38.945                                 | 4.21%          | -2.60%           |
|                                    |                |                                     | 2680                     | 2.139                                 | 37.809                                   | 2.051                               | 38.907                                 | 4.29%          | -2.82%           |
|                                    |                |                                     | 2700                     | 2.163                                 | 37.728                                   | 2.073                               | 38.882                                 | 4.34%          | -2.97%           |
| 08/10/2020                         | 2450 Head      | 23.8                                | 2400                     | 1.822                                 | 38.828                                   | 1.756                               | 39.289                                 | 3.76%          | -1.17%           |
|                                    |                |                                     | 2450                     | 1.877                                 | 38.602                                   | 1.800                               | 39.200                                 | 4.28%          | -1.53%           |
|                                    |                |                                     | 2480                     | 1.914                                 | 38.493                                   | 1.833                               | 39.162                                 | 4.42%          | -1.71%           |
|                                    |                |                                     | 2500                     | 1.938                                 | 38.401                                   | 1.855                               | 39.136                                 | 4.47%          | -1.88%           |
|                                    |                |                                     | 2510                     | 1.948                                 | 38.367                                   | 1.866                               | 39.123                                 | 4.39%          | -1.93%           |
|                                    |                |                                     | 2535                     | 1.981                                 | 38.262                                   | 1.893                               | 39.092                                 | 4.65%          | -2.12%           |
|                                    |                |                                     | 2550                     | 1.996                                 | 38.203                                   | 1.909                               | 39.073                                 | 4.56%          | -2.23%           |
|                                    |                |                                     | 2560                     | 2.008                                 | 38.169                                   | 1.920                               | 39.060                                 | 4.58%          | -2.28%           |
|                                    |                |                                     | 2600                     | 2.054                                 | 37.999                                   | 1.964                               | 39.009                                 | 4.58%          | -2.59%           |
|                                    |                |                                     | 2650                     | 2.114                                 | 37.782                                   | 2.018                               | 38.945                                 | 4.76%          | -2.99%           |
|                                    |                |                                     | 2680                     | 2.149                                 | 37.672                                   | 2.051                               | 38.907                                 | 4.78%          | -3.17%           |
|                                    |                |                                     | 2700                     | 2.172                                 | 37.586                                   | 2.073                               | 38.882                                 | 4.78%          | -3.33%           |
| 08/12/2020                         | 5200-5800 Head | 23.3                                | 5180                     | 4.426                                 | 35.925                                   | 4.635                               | 36.009                                 | -4.51%         | -0.23%           |
|                                    |                |                                     | 5200                     | 4.429                                 | 35.883                                   | 4.655                               | 35.986                                 | -4.85%         | -0.29%           |
|                                    |                |                                     | 5210                     | 4.436                                 | 35.848                                   | 4.666                               | 35.975                                 | -4.93%         | -0.35%           |
|                                    |                |                                     | 5220                     | 4.454                                 | 35.825                                   | 4.676                               | 35.963                                 | -4.75%         | -0.38%           |
|                                    |                |                                     | 5240                     | 4.487                                 | 35.798                                   | 4.696                               | 35.940                                 | -4.45%         | -0.40%           |
|                                    |                |                                     | 5250                     | 4.502                                 | 35.772                                   | 4.706                               | 35.929                                 | -4.33%         | -0.44%           |
|                                    |                |                                     | 5270                     | 4.520                                 | 35.761                                   | 4.727                               | 35.906                                 | -4.38%         | -0.40%           |
|                                    |                |                                     | 5280                     | 4.534                                 | 35.757                                   | 4.737                               | 35.894                                 | -4.29%         | -0.38%           |
|                                    |                |                                     | 5290                     | 4.546                                 | 35.745                                   | 4.748                               | 35.883                                 | -4.25%         | -0.38%           |
|                                    |                |                                     | 5300                     | 4.559                                 | 35.698                                   | 4.758                               | 35.871                                 | -4.18%         | -0.48%           |
|                                    |                |                                     | 5310                     | 4.564                                 | 35.697                                   | 4.768                               | 35.860                                 | -4.28%         | -0.45%           |
|                                    |                |                                     | 5320                     | 4.571                                 | 35.694                                   | 4.778                               | 35.849                                 | -4.33%         | -0.43%           |
|                                    |                |                                     | 5500                     | 4.759                                 | 35.374                                   | 4.963                               | 35.643                                 | -4.11%         | -0.75%           |
|                                    |                |                                     | 5510                     | 4.773                                 | 35.364                                   | 4.973                               | 35.632                                 | -4.02%         | -0.75%           |
|                                    |                |                                     | 5530                     | 4.799                                 | 35.356                                   | 4.994                               | 35.609                                 | -3.90%         | -0.71%           |
|                                    |                |                                     | 5540                     | 4.811                                 | 35.333                                   | 5.004                               | 35.597                                 | -3.86%         | -0.74%           |
|                                    |                |                                     | 5550                     | 4.819                                 | 35.310                                   | 5.014                               | 35.586                                 | -3.89%         | -0.78%           |
|                                    |                |                                     | 5560                     | 4.820                                 | 35.289                                   | 5.024                               | 35.574                                 | -4.06%         | -0.80%           |
|                                    |                |                                     | 5580                     | 4.846                                 | 35.246                                   | 5.045                               | 35.551                                 | -3.94%         | -0.86%           |
|                                    |                |                                     | 5600                     | 4.873                                 | 35.202                                   | 5.065                               | 35.529                                 | -3.79%         | -0.92%           |
|                                    |                |                                     | 5610                     | 4.891                                 | 35.174                                   | 5.076                               | 35.518                                 | -3.64%         | -0.97%           |
|                                    |                |                                     | 5620                     | 4.909                                 | 35.144                                   | 5.086                               | 35.506                                 | -3.48%         | -1.02%           |
|                                    |                |                                     | 5640                     | 4.933                                 | 35.154                                   | 5.106                               | 35.483                                 | -3.39%         | -0.93%           |
|                                    |                |                                     | 5660                     | 4.949                                 | 35.127                                   | 5.127                               | 35.460                                 | -3.47%         | -0.94%           |
|                                    |                |                                     | 5670                     | 4.955                                 | 35.098                                   | 5.137                               | 35.449                                 | -3.54%         | -0.99%           |
|                                    |                |                                     | 5680                     | 4.962                                 | 35.081                                   | 5.147                               | 35.437                                 | -3.59%         | -1.00%           |
|                                    |                |                                     | 5690                     | 4.979                                 | 35.065                                   | 5.158                               | 35.426                                 | -3.47%         | -1.02%           |
|                                    |                |                                     | 5700                     | 4.994                                 | 35.044                                   | 5.168                               | 35.414                                 | -3.37%         | -1.04%           |
|                                    |                |                                     | 5720                     | 5.024                                 | 35.012                                   | 5.188                               | 35.391                                 | -3.16%         | -1.07%           |
|                                    |                |                                     | 5745                     | 5.045                                 | 34.978                                   | 5.214                               | 35.363                                 | -3.24%         | -1.09%           |
|                                    |                |                                     | 5750                     | 5.047                                 | 34.965                                   | 5.219                               | 35.357                                 | -3.30%         | -1.11%           |
|                                    |                |                                     | 5755                     | 5.050                                 | 34.963                                   | 5.224                               | 35.351                                 | -3.33%         | -1.10%           |
|                                    |                |                                     | 5765                     | 5.057                                 | 34.946                                   | 5.234                               | 35.340                                 | -3.38%         | -1.11%           |
|                                    |                |                                     | 5775                     | 5.064                                 | 34.945                                   | 5.245                               | 35.329                                 | -3.45%         | -1.09%           |
|                                    |                |                                     | 5785                     | 5.076                                 | 34.940                                   | 5.255                               | 35.317                                 | -3.41%         | -1.07%           |
|                                    |                |                                     | 5795                     | 5.086                                 | 34.901                                   | 5.265                               | 35.305                                 | -3.40%         | -1.14%           |
|                                    |                |                                     | 5800                     | 5.091                                 | 34.890                                   | 5.270                               | 35.300                                 | -3.40%         | -1.16%           |
|                                    |                |                                     | 5805                     | 5.100                                 | 34.885                                   | 5.275                               | 35.294                                 | -3.32%         | -1.16%           |
|                                    |                |                                     | 5825                     | 5.128                                 | 34.871                                   | 5.296                               | 35.271                                 | -3.17%         | -1.13%           |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 167 of 227                 |

**Table 10-3**  
**Measured Tissue Properties – Body**

| Calibrated for Tests Performed on: | Tissue Type | Tissue Temp During Calibration (°C) | Measured Frequency (MHz) | Measured Conductivity, $\sigma$ (S/m) | Measured Dielectric Constant, $\epsilon$ | TARGET Conductivity, $\sigma$ (S/m) | TARGET Dielectric Constant, $\epsilon$ | % dev $\sigma$ | % dev $\epsilon$ |
|------------------------------------|-------------|-------------------------------------|--------------------------|---------------------------------------|------------------------------------------|-------------------------------------|----------------------------------------|----------------|------------------|
| 07/01/2020                         | 750 Body    | 21.8                                | 680                      | 0.929                                 | 54.129                                   | 0.958                               | 55.804                                 | -3.03%         | -3.00%           |
|                                    |             |                                     | 695                      | 0.934                                 | 54.096                                   | 0.959                               | 55.745                                 | -2.61%         | -2.96%           |
|                                    |             |                                     | 700                      | 0.936                                 | 54.087                                   | 0.959                               | 55.726                                 | -2.40%         | -2.94%           |
|                                    |             |                                     | 710                      | 0.940                                 | 54.063                                   | 0.960                               | 55.687                                 | -2.08%         | -2.92%           |
|                                    |             |                                     | 725                      | 0.945                                 | 54.025                                   | 0.961                               | 55.629                                 | -1.66%         | -2.88%           |
|                                    |             |                                     | 750                      | 0.955                                 | 53.959                                   | 0.964                               | 55.531                                 | -0.93%         | -2.83%           |
|                                    |             |                                     | 770                      | 0.962                                 | 53.924                                   | 0.965                               | 55.453                                 | -0.31%         | -2.76%           |
|                                    |             |                                     | 785                      | 0.967                                 | 53.904                                   | 0.966                               | 55.395                                 | 0.10%          | -2.69%           |
| 07/04/2020                         | 835 Body    | 21.3                                | 800                      | 0.973                                 | 53.879                                   | 0.967                               | 55.336                                 | 0.62%          | -2.63%           |
|                                    |             |                                     | 820                      | 0.935                                 | 53.809                                   | 0.969                               | 55.258                                 | -3.51%         | -2.62%           |
|                                    |             |                                     | 835                      | 0.951                                 | 53.647                                   | 0.970                               | 55.200                                 | -1.96%         | -2.81%           |
|                                    |             |                                     | 850                      | 0.967                                 | 53.503                                   | 0.988                               | 55.154                                 | -2.13%         | -2.99%           |
| 07/06/2020                         | 835 Body    | 21.7                                | 820                      | 0.935                                 | 54.697                                   | 0.969                               | 55.258                                 | -3.51%         | -1.02%           |
|                                    |             |                                     | 835                      | 0.951                                 | 54.538                                   | 0.970                               | 55.200                                 | -1.96%         | -1.20%           |
|                                    |             |                                     | 850                      | 0.967                                 | 54.389                                   | 0.988                               | 55.154                                 | -2.13%         | -1.39%           |
| 07/08/2020                         | 835 Body    | 21.8                                | 820                      | 0.947                                 | 54.053                                   | 0.969                               | 55.258                                 | -2.27%         | -2.18%           |
|                                    |             |                                     | 835                      | 0.963                                 | 53.903                                   | 0.970                               | 55.200                                 | -0.72%         | -2.35%           |
|                                    |             |                                     | 850                      | 0.979                                 | 53.760                                   | 0.988                               | 55.154                                 | -0.91%         | -2.53%           |
| 08/10/2020                         | 835 Body    | 23.3                                | 820                      | 0.941                                 | 53.313                                   | 0.969                               | 55.258                                 | -2.89%         | -3.52%           |
|                                    |             |                                     | 835                      | 0.956                                 | 53.169                                   | 0.970                               | 55.200                                 | -1.44%         | -3.68%           |
|                                    |             |                                     | 850                      | 0.971                                 | 53.018                                   | 0.988                               | 55.154                                 | -1.72%         | -3.87%           |
| 07/20/2020                         | 1750 Body   | 21.9                                | 1710                     | 1.463                                 | 51.916                                   | 1.463                               | 53.537                                 | 0.00%          | -3.03%           |
|                                    |             |                                     | 1720                     | 1.474                                 | 51.880                                   | 1.469                               | 53.511                                 | 0.34%          | -3.05%           |
|                                    |             |                                     | 1745                     | 1.502                                 | 51.777                                   | 1.485                               | 53.445                                 | 1.14%          | -3.12%           |
|                                    |             |                                     | 1750                     | 1.507                                 | 51.756                                   | 1.488                               | 53.432                                 | 1.28%          | -3.14%           |
|                                    |             |                                     | 1770                     | 1.529                                 | 51.676                                   | 1.501                               | 53.379                                 | 1.87%          | -3.19%           |
|                                    |             |                                     | 1790                     | 1.551                                 | 51.606                                   | 1.514                               | 53.326                                 | 2.44%          | -3.23%           |
| 07/26/2020                         | 1750 Body   | 21.4                                | 1710                     | 1.469                                 | 51.295                                   | 1.463                               | 53.537                                 | 0.41%          | -4.19%           |
|                                    |             |                                     | 1720                     | 1.481                                 | 51.251                                   | 1.469                               | 53.511                                 | 0.82%          | -4.22%           |
|                                    |             |                                     | 1745                     | 1.508                                 | 51.136                                   | 1.485                               | 53.445                                 | 1.55%          | -4.32%           |
|                                    |             |                                     | 1750                     | 1.514                                 | 51.115                                   | 1.488                               | 53.432                                 | 1.75%          | -4.34%           |
|                                    |             |                                     | 1770                     | 1.535                                 | 51.035                                   | 1.501                               | 53.379                                 | 2.27%          | -4.39%           |
|                                    |             |                                     | 1790                     | 1.557                                 | 50.960                                   | 1.514                               | 53.326                                 | 2.84%          | -4.44%           |
| 07/29/2020                         | 1750 Body   | 22.0                                | 1710                     | 1.449                                 | 51.279                                   | 1.463                               | 53.537                                 | -0.96%         | -4.22%           |
|                                    |             |                                     | 1720                     | 1.460                                 | 51.241                                   | 1.469                               | 53.511                                 | -0.61%         | -4.24%           |
|                                    |             |                                     | 1745                     | 1.488                                 | 51.138                                   | 1.485                               | 53.445                                 | 0.20%          | -4.32%           |
|                                    |             |                                     | 1750                     | 1.493                                 | 51.117                                   | 1.488                               | 53.432                                 | 0.34%          | -4.33%           |
|                                    |             |                                     | 1770                     | 1.515                                 | 51.035                                   | 1.501                               | 53.379                                 | 0.93%          | -4.39%           |
|                                    |             |                                     | 1790                     | 1.537                                 | 50.956                                   | 1.514                               | 53.326                                 | 1.52%          | -4.44%           |
| 08/05/2020                         | 1750 Body   | 23.2                                | 1710                     | 1.460                                 | 52.354                                   | 1.463                               | 53.537                                 | -0.21%         | -2.21%           |
|                                    |             |                                     | 1720                     | 1.471                                 | 52.318                                   | 1.469                               | 53.511                                 | 0.14%          | -2.23%           |
|                                    |             |                                     | 1745                     | 1.498                                 | 52.240                                   | 1.485                               | 53.445                                 | 0.88%          | -2.25%           |
|                                    |             |                                     | 1750                     | 1.503                                 | 52.226                                   | 1.488                               | 53.432                                 | 1.01%          | -2.26%           |
|                                    |             |                                     | 1770                     | 1.525                                 | 52.161                                   | 1.501                               | 53.379                                 | 1.60%          | -2.28%           |
|                                    |             |                                     | 1790                     | 1.547                                 | 52.092                                   | 1.514                               | 53.326                                 | 2.18%          | -2.31%           |
| 08/17/2020                         | 1750 Body   | 21.9                                | 1710                     | 1.491                                 | 51.975                                   | 1.463                               | 53.537                                 | 1.91%          | -2.92%           |
|                                    |             |                                     | 1720                     | 1.502                                 | 51.940                                   | 1.469                               | 53.511                                 | 2.25%          | -2.94%           |
|                                    |             |                                     | 1745                     | 1.530                                 | 51.849                                   | 1.485                               | 53.445                                 | 3.03%          | -2.99%           |
|                                    |             |                                     | 1750                     | 1.536                                 | 51.830                                   | 1.488                               | 53.432                                 | 3.23%          | -3.00%           |
|                                    |             |                                     | 1770                     | 1.560                                 | 51.757                                   | 1.501                               | 53.379                                 | 3.93%          | -3.04%           |
|                                    |             |                                     | 1790                     | 1.583                                 | 51.682                                   | 1.514                               | 53.326                                 | 4.56%          | -3.08%           |
| 08/17/2020                         | 1750 Body   | 21.9                                | 1710                     | 1.491                                 | 51.975                                   | 1.463                               | 53.537                                 | 1.91%          | -2.92%           |
|                                    |             |                                     | 1720                     | 1.502                                 | 51.940                                   | 1.469                               | 53.511                                 | 2.25%          | -2.94%           |
|                                    |             |                                     | 1745                     | 1.530                                 | 51.849                                   | 1.485                               | 53.445                                 | 3.03%          | -2.99%           |
|                                    |             |                                     | 1750                     | 1.536                                 | 51.830                                   | 1.488                               | 53.432                                 | 3.23%          | -3.00%           |
|                                    |             |                                     | 1770                     | 1.560                                 | 51.757                                   | 1.501                               | 53.379                                 | 3.93%          | -3.04%           |
|                                    |             |                                     | 1790                     | 1.583                                 | 51.682                                   | 1.514                               | 53.326                                 | 4.56%          | -3.08%           |

|                                         |                                                                                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  <b>PCTEST</b><br><small>Proud to be part of the element</small> | <b>SAR EVALUATION REPORT</b>  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                  | DUT Type:<br>Portable Handset | Page 168 of 227                                                                       |                                 |

**Table 10-4**  
**Measured Tissue Properties – Body Continued**

| Calibrated for Tests Performed on: | Tissue Type | Tissue Temp During Calibration (°C) | Measured Frequency (MHz) | Measured Conductivity, $\sigma$ (S/m) | Measured Dielectric Constant, $\epsilon$ | TARGET Conductivity, $\sigma$ (S/m) | TARGET Dielectric Constant, $\epsilon$ | % dev $\sigma$ | % dev $\epsilon$ |
|------------------------------------|-------------|-------------------------------------|--------------------------|---------------------------------------|------------------------------------------|-------------------------------------|----------------------------------------|----------------|------------------|
| 07/22/2020                         | 1900 Body   | 23.5                                | 1850                     | 1.509                                 | 54.041                                   | 1.520                               | 53.300                                 | -0.72%         | 1.39%            |
|                                    |             |                                     | 1860                     | 1.520                                 | 54.013                                   | 1.520                               | 53.300                                 | 0.00%          | 1.34%            |
|                                    |             |                                     | 1880                     | 1.542                                 | 53.956                                   | 1.520                               | 53.300                                 | 1.45%          | 1.23%            |
|                                    |             |                                     | 1900                     | 1.564                                 | 53.890                                   | 1.520                               | 53.300                                 | 2.89%          | 1.11%            |
|                                    |             |                                     | 1905                     | 1.570                                 | 53.871                                   | 1.520                               | 53.300                                 | 3.29%          | 1.07%            |
|                                    |             |                                     | 1910                     | 1.575                                 | 53.855                                   | 1.520                               | 53.300                                 | 3.62%          | 1.04%            |
| 07/27/2020                         | 1900 Body   | 24.5                                | 1850                     | 1.468                                 | 52.960                                   | 1.520                               | 53.300                                 | -3.42%         | -0.64%           |
|                                    |             |                                     | 1860                     | 1.478                                 | 52.927                                   | 1.520                               | 53.300                                 | -2.76%         | -0.70%           |
|                                    |             |                                     | 1880                     | 1.499                                 | 52.867                                   | 1.520                               | 53.300                                 | -1.38%         | -0.81%           |
|                                    |             |                                     | 1900                     | 1.521                                 | 52.810                                   | 1.520                               | 53.300                                 | 0.07%          | -0.92%           |
|                                    |             |                                     | 1905                     | 1.526                                 | 52.797                                   | 1.520                               | 53.300                                 | 0.39%          | -0.94%           |
|                                    |             |                                     | 1910                     | 1.532                                 | 52.783                                   | 1.520                               | 53.300                                 | 0.79%          | -0.97%           |
| 08/03/2020                         | 1900 Body   | 24.6                                | 1850                     | 1.485                                 | 51.868                                   | 1.520                               | 53.300                                 | -2.30%         | -2.69%           |
|                                    |             |                                     | 1860                     | 1.495                                 | 51.837                                   | 1.520                               | 53.300                                 | -1.64%         | -2.74%           |
|                                    |             |                                     | 1880                     | 1.517                                 | 51.774                                   | 1.520                               | 53.300                                 | -0.20%         | -2.86%           |
|                                    |             |                                     | 1900                     | 1.539                                 | 51.711                                   | 1.520                               | 53.300                                 | 1.25%          | -2.98%           |
|                                    |             |                                     | 1905                     | 1.544                                 | 51.695                                   | 1.520                               | 53.300                                 | 1.58%          | -3.01%           |
|                                    |             |                                     | 1910                     | 1.550                                 | 51.680                                   | 1.520                               | 53.300                                 | 1.97%          | -3.04%           |
| 08/06/2020                         | 1900 Body   | 23.8                                | 1850                     | 1.488                                 | 52.497                                   | 1.520                               | 53.300                                 | -2.11%         | -1.51%           |
|                                    |             |                                     | 1860                     | 1.499                                 | 52.465                                   | 1.520                               | 53.300                                 | -1.38%         | -1.57%           |
|                                    |             |                                     | 1880                     | 1.520                                 | 52.403                                   | 1.520                               | 53.300                                 | 0.00%          | -1.68%           |
|                                    |             |                                     | 1900                     | 1.541                                 | 52.348                                   | 1.520                               | 53.300                                 | 1.38%          | -1.79%           |
|                                    |             |                                     | 1905                     | 1.547                                 | 52.334                                   | 1.520                               | 53.300                                 | 1.78%          | -1.81%           |
|                                    |             |                                     | 1910                     | 1.552                                 | 52.321                                   | 1.520                               | 53.300                                 | 2.11%          | -1.84%           |
| 08/08/2020                         | 1900 Body   | 23.2                                | 1850                     | 1.510                                 | 51.783                                   | 1.520                               | 53.300                                 | -0.66%         | -2.85%           |
|                                    |             |                                     | 1860                     | 1.520                                 | 51.743                                   | 1.520                               | 53.300                                 | 0.00%          | -2.92%           |
|                                    |             |                                     | 1880                     | 1.542                                 | 51.671                                   | 1.520                               | 53.300                                 | 1.45%          | -3.06%           |
|                                    |             |                                     | 1900                     | 1.565                                 | 51.604                                   | 1.520                               | 53.300                                 | 2.96%          | -3.18%           |
|                                    |             |                                     | 1905                     | 1.571                                 | 51.587                                   | 1.520                               | 53.300                                 | 3.36%          | -3.21%           |
|                                    |             |                                     | 1910                     | 1.577                                 | 51.571                                   | 1.520                               | 53.300                                 | 3.75%          | -3.24%           |
| 08/10/2020                         | 1900 Body   | 22.7                                | 1850                     | 1.524                                 | 51.623                                   | 1.520                               | 53.300                                 | 0.26%          | -3.15%           |
|                                    |             |                                     | 1860                     | 1.535                                 | 51.583                                   | 1.520                               | 53.300                                 | 0.99%          | -3.22%           |
|                                    |             |                                     | 1880                     | 1.558                                 | 51.514                                   | 1.520                               | 53.300                                 | 2.50%          | -3.35%           |
|                                    |             |                                     | 1900                     | 1.581                                 | 51.444                                   | 1.520                               | 53.300                                 | 4.01%          | -3.48%           |
|                                    |             |                                     | 1905                     | 1.587                                 | 51.426                                   | 1.520                               | 53.300                                 | 4.41%          | -3.52%           |
|                                    |             |                                     | 1910                     | 1.592                                 | 51.408                                   | 1.520                               | 53.300                                 | 4.74%          | -3.55%           |
| 08/12/2020                         | 1900 Body   | 24.3                                | 1850                     | 1.522                                 | 52.121                                   | 1.520                               | 53.300                                 | 0.13%          | -2.21%           |
|                                    |             |                                     | 1860                     | 1.534                                 | 52.087                                   | 1.520                               | 53.300                                 | 0.92%          | -2.28%           |
|                                    |             |                                     | 1880                     | 1.554                                 | 52.028                                   | 1.520                               | 53.300                                 | 2.24%          | -2.39%           |
|                                    |             |                                     | 1900                     | 1.575                                 | 51.965                                   | 1.520                               | 53.300                                 | 3.62%          | -2.50%           |
|                                    |             |                                     | 1905                     | 1.581                                 | 51.949                                   | 1.520                               | 53.300                                 | 4.01%          | -2.53%           |
|                                    |             |                                     | 1910                     | 1.587                                 | 51.936                                   | 1.520                               | 53.300                                 | 4.41%          | -2.56%           |
| 07/23/2020                         | 2450 Body   | 22.6                                | 2400                     | 1.942                                 | 51.056                                   | 1.902                               | 52.767                                 | 2.10%          | -3.24%           |
|                                    |             |                                     | 2450                     | 2.008                                 | 50.859                                   | 1.950                               | 52.700                                 | 2.97%          | -3.49%           |
|                                    |             |                                     | 2480                     | 2.049                                 | 50.742                                   | 1.993                               | 52.662                                 | 2.81%          | -3.65%           |
|                                    |             |                                     | 2400                     | 1.959                                 | 51.741                                   | 1.902                               | 52.767                                 | 3.00%          | -1.94%           |
| 08/03/2020                         | 2450 Body   | 23.8                                | 2450                     | 2.026                                 | 51.539                                   | 1.950                               | 52.700                                 | 3.90%          | -2.20%           |
|                                    |             |                                     | 2480                     | 2.067                                 | 51.418                                   | 1.993                               | 52.662                                 | 3.71%          | -2.36%           |
|                                    |             |                                     | 2500                     | 2.095                                 | 51.345                                   | 2.021                               | 52.636                                 | 3.66%          | -2.45%           |
|                                    |             |                                     | 2510                     | 2.108                                 | 51.308                                   | 2.035                               | 52.623                                 | 3.59%          | -2.50%           |
|                                    |             |                                     | 2535                     | 2.141                                 | 51.203                                   | 2.071                               | 52.592                                 | 3.38%          | -2.64%           |
|                                    |             |                                     | 2550                     | 2.162                                 | 51.133                                   | 2.092                               | 52.573                                 | 3.35%          | -2.74%           |
|                                    |             |                                     | 2560                     | 2.176                                 | 51.087                                   | 2.106                               | 52.560                                 | 3.32%          | -2.80%           |
|                                    |             |                                     | 2600                     | 2.233                                 | 50.936                                   | 2.163                               | 52.509                                 | 3.24%          | -3.00%           |
|                                    |             |                                     | 2650                     | 2.302                                 | 50.731                                   | 2.234                               | 52.445                                 | 3.04%          | -3.27%           |
|                                    |             |                                     | 2680                     | 2.344                                 | 50.600                                   | 2.277                               | 52.407                                 | 2.94%          | -3.45%           |
|                                    |             |                                     | 2700                     | 2.372                                 | 50.530                                   | 2.305                               | 52.382                                 | 2.91%          | -3.54%           |
| 08/07/2020                         | 2450 Body   | 24.0                                | 2400                     | 1.988                                 | 51.250                                   | 1.902                               | 52.767                                 | 4.52%          | -2.87%           |
|                                    |             |                                     | 2450                     | 2.045                                 | 51.115                                   | 1.950                               | 52.700                                 | 4.87%          | -3.01%           |
|                                    |             |                                     | 2480                     | 2.080                                 | 51.039                                   | 1.993                               | 52.662                                 | 4.37%          | -3.08%           |
|                                    |             |                                     | 2500                     | 2.103                                 | 50.985                                   | 2.021                               | 52.636                                 | 4.06%          | -3.14%           |
|                                    |             |                                     | 2510                     | 2.114                                 | 50.957                                   | 2.035                               | 52.623                                 | 3.88%          | -3.17%           |
|                                    |             |                                     | 2535                     | 2.144                                 | 50.885                                   | 2.071                               | 52.592                                 | 3.52%          | -3.25%           |
|                                    |             |                                     | 2550                     | 2.164                                 | 50.845                                   | 2.092                               | 52.573                                 | 3.44%          | -3.29%           |
|                                    |             |                                     | 2560                     | 2.177                                 | 50.820                                   | 2.106                               | 52.560                                 | 3.37%          | -3.31%           |
|                                    |             |                                     | 2600                     | 2.226                                 | 50.699                                   | 2.163                               | 52.509                                 | 2.91%          | -3.45%           |
|                                    |             |                                     | 2650                     | 2.287                                 | 50.544                                   | 2.234                               | 52.445                                 | 2.37%          | -3.62%           |
|                                    |             |                                     | 2680                     | 2.325                                 | 50.447                                   | 2.277                               | 52.407                                 | 2.11%          | -3.74%           |
|                                    |             |                                     | 2700                     | 2.348                                 | 50.381                                   | 2.305                               | 52.382                                 | 1.87%          | -3.82%           |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset | Page 169 of 227                                                                       |                                 |

**Table 10-5**  
**Measured Tissue Properties – Body Continued**

| Calibrated for Tests Performed on: | Tissue Type    | Tissue Temp During Calibration (°C) | Measured Frequency (MHz) | Measured Conductivity, $\sigma$ (S/m) | Measured Dielectric Constant, $\epsilon$ | TARGET Conductivity, $\sigma$ (S/m) | TARGET Dielectric Constant, $\epsilon$ | % dev $\sigma$ | % dev $\epsilon$ |
|------------------------------------|----------------|-------------------------------------|--------------------------|---------------------------------------|------------------------------------------|-------------------------------------|----------------------------------------|----------------|------------------|
| 08/10/2020                         | 2450 Body      | 23.9                                | 2400                     | 1.986                                 | 52.814                                   | 1.902                               | 52.767                                 | 4.42%          | 0.09%            |
|                                    |                |                                     | 2450                     | 2.044                                 | 52.657                                   | 1.950                               | 52.700                                 | 4.82%          | -0.08%           |
|                                    |                |                                     | 2480                     | 2.081                                 | 52.579                                   | 1.993                               | 52.662                                 | 4.42%          | -0.16%           |
|                                    |                |                                     | 2500                     | 2.105                                 | 52.528                                   | 2.021                               | 52.636                                 | 4.16%          | -0.21%           |
|                                    |                |                                     | 2510                     | 2.116                                 | 52.502                                   | 2.035                               | 52.623                                 | 3.98%          | -0.23%           |
|                                    |                |                                     | 2535                     | 2.145                                 | 52.425                                   | 2.071                               | 52.592                                 | 3.57%          | -0.32%           |
|                                    |                |                                     | 2550                     | 2.163                                 | 52.378                                   | 2.092                               | 52.573                                 | 3.39%          | -0.37%           |
|                                    |                |                                     | 2560                     | 2.176                                 | 52.349                                   | 2.106                               | 52.560                                 | 3.32%          | -0.40%           |
|                                    |                |                                     | 2600                     | 2.227                                 | 52.236                                   | 2.163                               | 52.509                                 | 2.96%          | -0.52%           |
|                                    |                |                                     | 2650                     | 2.286                                 | 52.084                                   | 2.234                               | 52.445                                 | 2.33%          | -0.69%           |
|                                    |                |                                     | 2680                     | 2.323                                 | 51.990                                   | 2.277                               | 52.407                                 | 2.02%          | -0.80%           |
|                                    |                |                                     | 2700                     | 2.348                                 | 51.920                                   | 2.305                               | 52.382                                 | 1.87%          | -0.88%           |
| 08/17/2020                         | 2450 Body      | 23.1                                | 2400                     | 1.989                                 | 53.102                                   | 1.902                               | 52.767                                 | 4.57%          | 0.63%            |
|                                    |                |                                     | 2450                     | 2.046                                 | 52.976                                   | 1.950                               | 52.700                                 | 4.92%          | 0.52%            |
|                                    |                |                                     | 2480                     | 2.081                                 | 52.895                                   | 1.993                               | 52.662                                 | 4.42%          | 0.44%            |
| 07/19/2020                         | 5200-5800 Body | 23.5                                | 5180                     | 5.383                                 | 47.153                                   | 5.276                               | 49.041                                 | 2.03%          | -3.85%           |
|                                    |                |                                     | 5190                     | 5.396                                 | 47.147                                   | 5.288                               | 49.028                                 | 2.04%          | -3.84%           |
|                                    |                |                                     | 5200                     | 5.408                                 | 47.143                                   | 5.299                               | 49.014                                 | 2.06%          | -3.82%           |
|                                    |                |                                     | 5210                     | 5.420                                 | 47.127                                   | 5.311                               | 49.001                                 | 2.05%          | -3.82%           |
|                                    |                |                                     | 5220                     | 5.430                                 | 47.095                                   | 5.323                               | 48.987                                 | 2.01%          | -3.86%           |
|                                    |                |                                     | 5240                     | 5.455                                 | 47.027                                   | 5.346                               | 48.960                                 | 2.04%          | -3.95%           |
|                                    |                |                                     | 5250                     | 5.469                                 | 47.002                                   | 5.358                               | 48.947                                 | 2.07%          | -3.97%           |
|                                    |                |                                     | 5260                     | 5.484                                 | 46.985                                   | 5.369                               | 48.933                                 | 2.14%          | -3.98%           |
|                                    |                |                                     | 5270                     | 5.498                                 | 46.976                                   | 5.381                               | 48.919                                 | 2.17%          | -3.97%           |
|                                    |                |                                     | 5280                     | 5.516                                 | 46.971                                   | 5.393                               | 48.906                                 | 2.28%          | -3.96%           |
|                                    |                |                                     | 5290                     | 5.534                                 | 46.968                                   | 5.404                               | 48.892                                 | 2.41%          | -3.94%           |
|                                    |                |                                     | 5300                     | 5.547                                 | 46.956                                   | 5.416                               | 48.879                                 | 2.42%          | -3.93%           |
|                                    |                |                                     | 5310                     | 5.555                                 | 46.946                                   | 5.428                               | 48.865                                 | 2.34%          | -3.93%           |
|                                    |                |                                     | 5320                     | 5.564                                 | 46.922                                   | 5.439                               | 48.851                                 | 2.30%          | -3.95%           |
|                                    |                |                                     | 5500                     | 5.801                                 | 46.600                                   | 5.650                               | 48.607                                 | 2.67%          | -4.13%           |
|                                    |                |                                     | 5510                     | 5.817                                 | 46.588                                   | 5.661                               | 48.594                                 | 2.76%          | -4.13%           |
|                                    |                |                                     | 5520                     | 5.831                                 | 46.585                                   | 5.673                               | 48.580                                 | 2.79%          | -4.11%           |
|                                    |                |                                     | 5530                     | 5.846                                 | 46.585                                   | 5.685                               | 48.566                                 | 2.83%          | -4.08%           |
|                                    |                |                                     | 5540                     | 5.856                                 | 46.563                                   | 5.696                               | 48.553                                 | 2.81%          | -4.10%           |
|                                    |                |                                     | 5550                     | 5.863                                 | 46.536                                   | 5.708                               | 48.539                                 | 2.72%          | -4.13%           |
|                                    |                |                                     | 5560                     | 5.870                                 | 46.509                                   | 5.720                               | 48.526                                 | 2.62%          | -4.16%           |
|                                    |                |                                     | 5580                     | 5.904                                 | 46.478                                   | 5.743                               | 48.499                                 | 2.80%          | -4.17%           |
|                                    |                |                                     | 5600                     | 5.937                                 | 46.434                                   | 5.766                               | 48.471                                 | 2.97%          | -4.20%           |
|                                    |                |                                     | 5610                     | 5.949                                 | 46.413                                   | 5.778                               | 48.458                                 | 2.96%          | -4.22%           |
|                                    |                |                                     | 5620                     | 5.964                                 | 46.402                                   | 5.790                               | 48.444                                 | 3.01%          | -4.22%           |
|                                    |                |                                     | 5640                     | 5.994                                 | 46.387                                   | 5.813                               | 48.417                                 | 3.11%          | -4.19%           |
|                                    |                |                                     | 5660                     | 6.018                                 | 46.347                                   | 5.837                               | 48.390                                 | 3.10%          | -4.22%           |
|                                    |                |                                     | 5670                     | 6.029                                 | 46.326                                   | 5.848                               | 48.376                                 | 3.10%          | -4.24%           |
|                                    |                |                                     | 5680                     | 6.040                                 | 46.303                                   | 5.860                               | 48.363                                 | 3.07%          | -4.26%           |
|                                    |                |                                     | 5690                     | 6.053                                 | 46.286                                   | 5.872                               | 48.349                                 | 3.08%          | -4.27%           |
|                                    |                |                                     | 5700                     | 6.069                                 | 46.268                                   | 5.883                               | 48.336                                 | 3.16%          | -4.28%           |
|                                    |                |                                     | 5710                     | 6.086                                 | 46.258                                   | 5.895                               | 48.322                                 | 3.24%          | -4.27%           |
|                                    |                |                                     | 5720                     | 6.101                                 | 46.241                                   | 5.907                               | 48.309                                 | 3.28%          | -4.28%           |
|                                    |                |                                     | 5745                     | 6.136                                 | 46.202                                   | 5.936                               | 48.275                                 | 3.37%          | -4.29%           |
|                                    |                |                                     | 5750                     | 6.143                                 | 46.198                                   | 5.942                               | 48.268                                 | 3.38%          | -4.29%           |
|                                    |                |                                     | 5755                     | 6.149                                 | 46.194                                   | 5.947                               | 48.261                                 | 3.40%          | -4.28%           |
|                                    |                |                                     | 5765                     | 6.162                                 | 46.184                                   | 5.959                               | 48.248                                 | 3.41%          | -4.28%           |
|                                    |                |                                     | 5775                     | 6.175                                 | 46.171                                   | 5.971                               | 48.234                                 | 3.42%          | -4.28%           |
|                                    |                |                                     | 5785                     | 6.187                                 | 46.154                                   | 5.982                               | 48.220                                 | 3.43%          | -4.28%           |
|                                    |                |                                     | 5795                     | 6.199                                 | 46.129                                   | 5.994                               | 48.207                                 | 3.42%          | -4.31%           |
|                                    |                |                                     | 5800                     | 6.206                                 | 46.120                                   | 6.000                               | 48.200                                 | 3.43%          | -4.32%           |
|                                    |                |                                     | 5805                     | 6.214                                 | 46.113                                   | 6.006                               | 48.193                                 | 3.46%          | -4.32%           |
|                                    |                |                                     | 5825                     | 6.244                                 | 46.074                                   | 6.029                               | 48.166                                 | 3.57%          | -4.34%           |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 170 of 227                 |



**Table 10-6**  
**Measured Tissue Properties – Body Continued**

| Calibrated for Tests Performed on: | Tissue Type    | Tissue Temp During Calibration (°C) | Measured Frequency (MHz) | Measured Conductivity, $\sigma$ (S/m) | Measured Dielectric Constant, $\epsilon$ | TARGET Conductivity, $\sigma$ (S/m) | TARGET Dielectric Constant, $\epsilon$ | % dev $\sigma$ | % dev $\epsilon$ |
|------------------------------------|----------------|-------------------------------------|--------------------------|---------------------------------------|------------------------------------------|-------------------------------------|----------------------------------------|----------------|------------------|
| 08/10/2020                         | 5200-5800 Body | 23.1                                | 5180                     | 5.321                                 | 48.064                                   | 5.276                               | 49.041                                 | 0.85%          | -1.99%           |
|                                    |                |                                     | 5190                     | 5.332                                 | 48.051                                   | 5.288                               | 49.028                                 | 0.83%          | -1.99%           |
|                                    |                |                                     | 5200                     | 5.341                                 | 48.029                                   | 5.299                               | 49.014                                 | 0.79%          | -2.01%           |
|                                    |                |                                     | 5210                     | 5.351                                 | 48.013                                   | 5.311                               | 49.001                                 | 0.75%          | -2.02%           |
|                                    |                |                                     | 5220                     | 5.366                                 | 48.002                                   | 5.323                               | 48.987                                 | 0.81%          | -2.01%           |
|                                    |                |                                     | 5240                     | 5.401                                 | 47.974                                   | 5.346                               | 48.960                                 | 1.03%          | -2.01%           |
|                                    |                |                                     | 5250                     | 5.413                                 | 47.949                                   | 5.358                               | 48.947                                 | 1.03%          | -2.04%           |
|                                    |                |                                     | 5260                     | 5.422                                 | 47.940                                   | 5.369                               | 48.933                                 | 0.99%          | -2.03%           |
|                                    |                |                                     | 5270                     | 5.437                                 | 47.929                                   | 5.381                               | 48.919                                 | 1.04%          | -2.02%           |
|                                    |                |                                     | 5280                     | 5.455                                 | 47.903                                   | 5.393                               | 48.906                                 | 1.15%          | -2.05%           |
|                                    |                |                                     | 5290                     | 5.468                                 | 47.879                                   | 5.404                               | 48.892                                 | 1.18%          | -2.07%           |
|                                    |                |                                     | 5300                     | 5.476                                 | 47.860                                   | 5.416                               | 48.879                                 | 1.11%          | -2.08%           |
|                                    |                |                                     | 5310                     | 5.485                                 | 47.853                                   | 5.428                               | 48.865                                 | 1.05%          | -2.07%           |
|                                    |                |                                     | 5320                     | 5.499                                 | 47.838                                   | 5.439                               | 48.851                                 | 1.10%          | -2.07%           |
|                                    |                |                                     | 5500                     | 5.743                                 | 47.534                                   | 5.650                               | 48.607                                 | 1.65%          | -2.21%           |
|                                    |                |                                     | 5510                     | 5.756                                 | 47.533                                   | 5.661                               | 48.594                                 | 1.68%          | -2.18%           |
|                                    |                |                                     | 5520                     | 5.770                                 | 47.533                                   | 5.673                               | 48.580                                 | 1.71%          | -2.16%           |
|                                    |                |                                     | 5530                     | 5.782                                 | 47.519                                   | 5.685                               | 48.566                                 | 1.71%          | -2.16%           |
|                                    |                |                                     | 5540                     | 5.789                                 | 47.501                                   | 5.696                               | 48.553                                 | 1.63%          | -2.17%           |
|                                    |                |                                     | 5550                     | 5.796                                 | 47.478                                   | 5.708                               | 48.539                                 | 1.54%          | -2.19%           |
|                                    |                |                                     | 5560                     | 5.810                                 | 47.465                                   | 5.720                               | 48.526                                 | 1.57%          | -2.19%           |
|                                    |                |                                     | 5580                     | 5.851                                 | 47.411                                   | 5.743                               | 48.499                                 | 1.88%          | -2.24%           |
|                                    |                |                                     | 5600                     | 5.879                                 | 47.363                                   | 5.766                               | 48.471                                 | 1.96%          | -2.29%           |
|                                    |                |                                     | 5610                     | 5.892                                 | 47.355                                   | 5.778                               | 48.458                                 | 1.97%          | -2.28%           |
|                                    |                |                                     | 5620                     | 5.909                                 | 47.348                                   | 5.790                               | 48.444                                 | 2.06%          | -2.26%           |
|                                    |                |                                     | 5640                     | 5.938                                 | 47.337                                   | 5.813                               | 48.417                                 | 2.15%          | -2.23%           |
|                                    |                |                                     | 5660                     | 5.955                                 | 47.312                                   | 5.837                               | 48.390                                 | 2.02%          | -2.23%           |
|                                    |                |                                     | 5670                     | 5.971                                 | 47.291                                   | 5.848                               | 48.376                                 | 2.10%          | -2.24%           |
|                                    |                |                                     | 5680                     | 5.985                                 | 47.265                                   | 5.860                               | 48.363                                 | 2.13%          | -2.27%           |
|                                    |                |                                     | 5690                     | 5.998                                 | 47.234                                   | 5.872                               | 48.349                                 | 2.15%          | -2.31%           |
|                                    |                |                                     | 5700                     | 6.015                                 | 47.215                                   | 5.883                               | 48.336                                 | 2.24%          | -2.32%           |
|                                    |                |                                     | 5710                     | 6.035                                 | 47.201                                   | 5.895                               | 48.322                                 | 2.37%          | -2.32%           |
|                                    |                |                                     | 5720                     | 6.050                                 | 47.185                                   | 5.907                               | 48.309                                 | 2.42%          | -2.33%           |
|                                    |                |                                     | 5745                     | 6.074                                 | 47.156                                   | 5.936                               | 48.275                                 | 2.32%          | -2.32%           |
|                                    |                |                                     | 5750                     | 6.080                                 | 47.158                                   | 5.942                               | 48.268                                 | 2.32%          | -2.30%           |
|                                    |                |                                     | 5755                     | 6.088                                 | 47.160                                   | 5.947                               | 48.261                                 | 2.37%          | -2.28%           |
|                                    |                |                                     | 5765                     | 6.103                                 | 47.156                                   | 5.959                               | 48.248                                 | 2.42%          | -2.26%           |
|                                    |                |                                     | 5775                     | 6.120                                 | 47.134                                   | 5.971                               | 48.234                                 | 2.50%          | -2.28%           |
|                                    |                |                                     | 5785                     | 6.136                                 | 47.101                                   | 5.982                               | 48.220                                 | 2.57%          | -2.32%           |
|                                    |                |                                     | 5795                     | 6.149                                 | 47.086                                   | 5.994                               | 48.207                                 | 2.59%          | -2.33%           |
|                                    |                |                                     | 5800                     | 6.159                                 | 47.080                                   | 6.000                               | 48.200                                 | 2.65%          | -2.32%           |
|                                    |                |                                     | 5805                     | 6.166                                 | 47.072                                   | 6.006                               | 48.193                                 | 2.66%          | -2.33%           |
|                                    |                |                                     | 5825                     | 6.196                                 | 47.018                                   | 6.029                               | 48.166                                 | 2.77%          | -2.38%           |
| 08/16/2020                         | 5200-5800 Body | 22.6                                | 5500                     | 5.801                                 | 46.759                                   | 5.650                               | 48.607                                 | 2.67%          | -3.80%           |
|                                    |                |                                     | 5600                     | 5.937                                 | 46.607                                   | 5.766                               | 48.471                                 | 2.97%          | -3.85%           |
|                                    |                |                                     | 5750                     | 6.140                                 | 46.354                                   | 5.942                               | 48.268                                 | 3.33%          | -3.97%           |
|                                    |                |                                     | 5785                     | 6.184                                 | 46.317                                   | 5.982                               | 48.220                                 | 3.38%          | -3.95%           |

The above measured tissue parameters were used in the DASY software. The DASY software was used to perform interpolation to determine the dielectric parameters at the SAR test device frequencies (per KDB Publication 865664 D01v01r04 and IEEE 1528-2013 6.6.1.2). The tissue parameters listed in the SAR test plots may slightly differ from the table above due to significant digit rounding in the software.

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset | Page 171 of 227                                                                       |                                 |

## 10.2 Test System Verification

Prior to SAR assessment, the system is verified to  $\pm 10\%$  of the SAR measurement on the reference dipole at the time of calibration by the calibration facility. Full system validation status and result summary can be found in Appendix D.

**Table 10-7**  
**System Verification Results –1g**

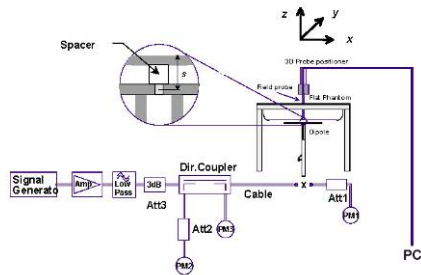
| System Verification<br>TARGET & MEASURED |                        |             |            |                |                  |                 |           |          |                                   |                                     |                                         |                             |
|------------------------------------------|------------------------|-------------|------------|----------------|------------------|-----------------|-----------|----------|-----------------------------------|-------------------------------------|-----------------------------------------|-----------------------------|
| SAR System #                             | Tissue Frequency (MHz) | Tissue Type | Date       | Amb. Temp (°C) | Liquid Temp (°C) | Input Power (W) | Source SN | Probe SN | Measured SAR <sub>1g</sub> (W/kg) | 1 W Target SAR <sub>1g</sub> (W/kg) | 1 W Normalized SAR <sub>1g</sub> (W/kg) | Deviation <sub>1g</sub> (%) |
| E                                        | 750                    | HEAD        | 07/05/2020 | 20.3           | 21.9             | 0.200           | 1003      | 3589     | 1.670                             | 8.780                               | 8.350                                   | -4.90%                      |
| L                                        | 835                    | HEAD        | 07/06/2020 | 24.9           | 22.5             | 0.200           | 4d132     | 7406     | 1.930                             | 9.650                               | 9.650                                   | 0.00%                       |
| L                                        | 1750                   | HEAD        | 07/11/2020 | 23.1           | 22.5             | 0.100           | 1150      | 7406     | 3.760                             | 36.500                              | 37.600                                  | 3.01%                       |
| L                                        | 1750                   | HEAD        | 08/10/2020 | 24.3           | 22.1             | 0.100           | 1150      | 7406     | 3.670                             | 36.500                              | 36.700                                  | 0.55%                       |
| L                                        | 1900                   | HEAD        | 07/03/2020 | 23.4           | 21.3             | 0.100           | 5d148     | 7410     | 4.170                             | 39.100                              | 41.700                                  | 6.65%                       |
| L                                        | 1900                   | HEAD        | 07/07/2020 | 24.8           | 22.5             | 0.100           | 5d148     | 7406     | 3.950                             | 39.100                              | 39.500                                  | 1.02%                       |
| L                                        | 1900                   | HEAD        | 08/10/2020 | 24.3           | 22.1             | 0.100           | 5d148     | 7406     | 4.220                             | 39.100                              | 42.200                                  | 7.93%                       |
| RK                                       | 2450                   | HEAD        | 07/09/2020 | 22.5           | 22.8             | 0.100           | 882       | 7565     | 5.300                             | 52.900                              | 53.000                                  | 0.19%                       |
| E                                        | 2450                   | HEAD        | 07/20/2020 | 22.7           | 21.7             | 0.100           | 797       | 3589     | 5.110                             | 52.700                              | 51.100                                  | -3.04%                      |
| E                                        | 2450                   | HEAD        | 08/10/2020 | 24.0           | 22.5             | 0.100           | 981       | 3589     | 5.310                             | 52.300                              | 53.100                                  | 1.53%                       |
| E                                        | 2600                   | HEAD        | 08/04/2020 | 22.8           | 22.3             | 0.100           | 1064      | 3589     | 5.860                             | 58.100                              | 58.600                                  | 0.86%                       |
| E                                        | 2600                   | HEAD        | 08/10/2020 | 24.0           | 22.5             | 0.100           | 1064      | 3589     | 5.880                             | 58.100                              | 58.800                                  | 1.20%                       |
| H                                        | 5250                   | HEAD        | 08/12/2020 | 24.0           | 23.3             | 0.050           | 1057      | 7357     | 3.690                             | 79.200                              | 73.800                                  | -6.82%                      |
| H                                        | 5600                   | HEAD        | 08/12/2020 | 24.0           | 23.3             | 0.050           | 1057      | 7357     | 3.970                             | 84.100                              | 79.400                                  | -5.59%                      |
| H                                        | 5750                   | HEAD        | 08/12/2020 | 24.0           | 23.3             | 0.050           | 1057      | 7357     | 3.930                             | 80.500                              | 78.600                                  | -2.36%                      |
| L                                        | 750                    | BODY        | 07/01/2020 | 23.7           | 22.0             | 0.200           | 1054      | 7410     | 1.800                             | 8.530                               | 9.000                                   | 5.51%                       |
| P                                        | 835                    | BODY        | 07/04/2020 | 21.9           | 21.9             | 0.200           | 4d132     | 7551     | 1.980                             | 9.960                               | 9.900                                   | -0.60%                      |
| P                                        | 835                    | BODY        | 07/06/2020 | 22.0           | 21.7             | 0.200           | 4d132     | 7551     | 2.020                             | 9.960                               | 10.100                                  | 1.41%                       |
| P                                        | 835                    | BODY        | 07/08/2020 | 22.0           | 21.8             | 0.200           | 4d132     | 7551     | 2.010                             | 9.960                               | 10.050                                  | 0.90%                       |
| D                                        | 835                    | BODY        | 08/10/2020 | 24.1           | 23.3             | 0.200           | 4d133     | 7488     | 1.910                             | 9.750                               | 9.550                                   | -2.05%                      |
| L                                        | 1750                   | BODY        | 07/20/2020 | 24.3           | 21.9             | 0.100           | 1148      | 7406     | 3.880                             | 36.300                              | 38.800                                  | 6.89%                       |
| L                                        | 1750                   | BODY        | 07/26/2020 | 22.5           | 21.8             | 0.100           | 1148      | 7406     | 3.890                             | 36.300                              | 38.900                                  | 7.16%                       |
| G                                        | 1750                   | BODY        | 08/05/2020 | 21.7           | 22.2             | 0.100           | 1148      | 7538     | 3.650                             | 36.300                              | 36.500                                  | 0.55%                       |
| L                                        | 1750                   | BODY        | 08/17/2020 | 24.9           | 21.9             | 0.100           | 1150      | 7406     | 3.880                             | 36.600                              | 38.800                                  | 6.01%                       |
| J                                        | 1900                   | BODY        | 07/22/2020 | 22.7           | 23.5             | 0.100           | 5d080     | 7571     | 4.270                             | 39.200                              | 42.700                                  | 8.93%                       |
| J                                        | 1900                   | BODY        | 07/27/2020 | 22.7           | 22.5             | 0.100           | 5d080     | 7571     | 4.180                             | 39.200                              | 41.800                                  | 6.63%                       |
| J                                        | 1900                   | BODY        | 08/03/2020 | 21.1           | 22.6             | 0.100           | 5d080     | 7571     | 4.110                             | 39.200                              | 41.100                                  | 4.85%                       |
| J                                        | 1900                   | BODY        | 08/06/2020 | 22.1           | 21.9             | 0.100           | 5d149     | 7571     | 4.230                             | 39.400                              | 42.300                                  | 7.36%                       |
| J                                        | 1900                   | BODY        | 08/12/2020 | 21.9           | 22.3             | 0.100           | 5d149     | 7571     | 4.120                             | 39.400                              | 41.200                                  | 4.57%                       |
| O                                        | 2450                   | BODY        | 07/23/2020 | 25.0           | 23.2             | 0.100           | 981       | 7552     | 4.840                             | 50.900                              | 48.400                                  | -4.91%                      |
| K                                        | 2450                   | BODY        | 08/07/2020 | 23.1           | 22.0             | 0.100           | 981       | 7409     | 5.190                             | 50.900                              | 51.900                                  | 1.96%                       |
| K                                        | 2450                   | BODY        | 08/17/2020 | 22.0           | 22.0             | 0.100           | 981       | 7409     | 5.300                             | 50.900                              | 53.000                                  | 4.13%                       |
| O                                        | 2600                   | BODY        | 08/03/2020 | 23.1           | 22.8             | 0.100           | 1004      | 7552     | 5.250                             | 54.800                              | 52.500                                  | -4.20%                      |
| K                                        | 2600                   | BODY        | 08/07/2020 | 23.1           | 22.0             | 0.100           | 1064      | 7409     | 5.660                             | 55.600                              | 56.600                                  | 1.80%                       |
| G                                        | 5250                   | BODY        | 08/10/2020 | 23.1           | 23.1             | 0.050           | 1237      | 7538     | 3.600                             | 75.600                              | 72.000                                  | -4.76%                      |
| G                                        | 5600                   | BODY        | 08/10/2020 | 23.1           | 23.1             | 0.050           | 1237      | 7538     | 3.920                             | 78.500                              | 78.400                                  | -0.13%                      |
| G                                        | 5750                   | BODY        | 08/10/2020 | 23.1           | 23.1             | 0.050           | 1237      | 7538     | 3.730                             | 75.900                              | 74.600                                  | -1.71%                      |
| G                                        | 5600                   | BODY        | 08/16/2020 | 22.1           | 22.6             | 0.050           | 1237      | 7538     | 3.720                             | 78.500                              | 74.400                                  | -5.22%                      |
| G                                        | 5750                   | BODY        | 08/16/2020 | 22.1           | 22.6             | 0.050           | 1237      | 7538     | 3.570                             | 75.900                              | 71.400                                  | -5.93%                      |

|                                         |                                                                                                                                                                                                                      |                               |                                                                                                 |                                 |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  <b>PCTEST</b><br>Proud to be part of  element | SAR EVALUATION REPORT         |  <b>LG</b> | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                                                   | DUT Type:<br>Portable Handset |                                                                                                 | Page 172 of 227                 |



**Table 10-8**  
**System Verification Results – 10g**

| System Verification<br>TARGET & MEASURED |                        |             |            |                |                  |                 |           |          |                                    |                                      |                                          |                              |
|------------------------------------------|------------------------|-------------|------------|----------------|------------------|-----------------|-----------|----------|------------------------------------|--------------------------------------|------------------------------------------|------------------------------|
| SAR System #                             | Tissue Frequency (MHz) | Tissue Type | Date       | Amb. Temp (°C) | Liquid Temp (°C) | Input Power (W) | Source SN | Probe SN | Measured SAR <sub>10g</sub> (W/kg) | 1 W Target SAR <sub>10g</sub> (W/kg) | 1 W Normalized SAR <sub>10g</sub> (W/kg) | Deviation <sub>10g</sub> (%) |
| L                                        | 1750                   | BODY        | 07/26/2020 | 22.5           | 21.8             | 0.100           | 1148      | 7406     | 2.050                              | 19.300                               | 20.500                                   | 6.22%                        |
| L                                        | 1750                   | BODY        | 07/29/2020 | 23.1           | 22.0             | 0.100           | 1148      | 7406     | 1.930                              | 19.300                               | 19.300                                   | 0.00%                        |
| L                                        | 1750                   | BODY        | 08/17/2020 | 24.9           | 21.9             | 0.100           | 1150      | 7406     | 2.030                              | 19.400                               | 20.300                                   | 4.64%                        |
| J                                        | 1900                   | BODY        | 08/03/2020 | 21.1           | 22.6             | 0.100           | 5d080     | 7571     | 2.080                              | 20.600                               | 20.800                                   | 0.97%                        |
| H                                        | 1900                   | BODY        | 08/08/2020 | 22.2           | 22.5             | 0.100           | 5d149     | 7357     | 2.000                              | 20.700                               | 20.000                                   | -3.38%                       |
| H                                        | 1900                   | BODY        | 08/10/2020 | 24.0           | 22.7             | 0.100           | 5d149     | 7357     | 2.170                              | 20.700                               | 21.700                                   | 4.83%                        |
| K                                        | 2450                   | BODY        | 08/10/2020 | 23.2           | 22.2             | 0.100           | 981       | 7409     | 2.400                              | 24.200                               | 24.000                                   | -0.83%                       |
| K                                        | 2600                   | BODY        | 08/10/2020 | 23.2           | 22.2             | 0.100           | 1064      | 7409     | 2.480                              | 25.000                               | 24.800                                   | -0.80%                       |
| G                                        | 5250                   | BODY        | 07/19/2020 | 21.1           | 22.7             | 0.050           | 1237      | 7538     | 1.030                              | 21.200                               | 20.600                                   | -2.83%                       |
| G                                        | 5600                   | BODY        | 07/19/2020 | 21.1           | 22.7             | 0.050           | 1237      | 7538     | 1.100                              | 22.000                               | 22.000                                   | 0.00%                        |
| G                                        | 5750                   | BODY        | 07/19/2020 | 21.1           | 22.7             | 0.050           | 1237      | 7538     | 1.010                              | 21.200                               | 20.200                                   | -4.72%                       |



**Figure 10-1**  
**System Verification Setup Diagram**



**Figure 10-2**  
**System Verification Setup Photo**

|                                         |                                                                                                                                                                                                |                               |                                                                                       |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       | <br>Proud to be part of  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                             | DUT Type:<br>Portable Handset | Page 173 of 227                                                                       |                                 |

# 11 SAR DATA SUMMARY

## 11.1 Standalone Head SAR Data

**Table 11-1**  
**CDMA BC10 (§90S) Head SAR**

| MEASUREMENT RESULTS                                                                               |     |                  |             |                             |                       |                  |                                                 |               |                      |            |          |                |                   |        |
|---------------------------------------------------------------------------------------------------|-----|------------------|-------------|-----------------------------|-----------------------|------------------|-------------------------------------------------|---------------|----------------------|------------|----------|----------------|-------------------|--------|
| FREQUENCY                                                                                         |     | Mode             | Service     | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Side                                            | Test Position | Device Serial Number | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |
| MHz                                                                                               | Ch. |                  |             |                             |                       |                  |                                                 |               |                      |            | (W/kg)   |                | (W/kg)            |        |
| 820.10                                                                                            | 564 | CDMA BC10 (S90S) | RC3 / SO55  | 24.7                        | 24.51                 | 0.13             | Right                                           | Cheek         | 01670                | 1:1        | 0.091    | 1.045          | 0.095             |        |
| 820.10                                                                                            | 564 | CDMA BC10 (S90S) | RC3 / SO55  | 24.7                        | 24.51                 | 0.11             | Right                                           | Tilt          | 01670                | 1:1        | 0.067    | 1.045          | 0.070             |        |
| 820.10                                                                                            | 564 | CDMA BC10 (S90S) | RC3 / SO55  | 24.7                        | 24.51                 | 0.04             | Left                                            | Cheek         | 01670                | 1:1        | 0.141    | 1.045          | 0.147             | A1     |
| 820.10                                                                                            | 564 | CDMA BC10 (S90S) | RC3 / SO55  | 24.7                        | 24.51                 | -0.15            | Left                                            | Tilt          | 01670                | 1:1        | 0.065    | 1.045          | 0.068             |        |
| 820.10                                                                                            | 564 | CDMA BC10 (S90S) | EVDO Rev. A | 24.7                        | 24.45                 | 0.21             | Right                                           | Cheek         | 01670                | 1:1        | 0.090    | 1.059          | 0.095             |        |
| 820.10                                                                                            | 564 | CDMA BC10 (S90S) | EVDO Rev. A | 24.7                        | 24.45                 | -0.14            | Right                                           | Tilt          | 01670                | 1:1        | 0.068    | 1.059          | 0.072             |        |
| 820.10                                                                                            | 564 | CDMA BC10 (S90S) | EVDO Rev. A | 24.7                        | 24.45                 | 0.03             | Left                                            | Cheek         | 01670                | 1:1        | 0.138    | 1.059          | 0.146             |        |
| 820.10                                                                                            | 564 | CDMA BC10 (S90S) | EVDO Rev. A | 24.7                        | 24.45                 | 0.04             | Left                                            | Tilt          | 01670                | 1:1        | 0.067    | 1.059          | 0.071             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |     |                  |             |                             |                       |                  | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |               |                      |            |          |                |                   |        |

**Table 11-2**  
**CDMA BC0 (§22H) Head SAR**

| MEASUREMENT RESULTS                                                                               |     |                  |             |                             |                       |                  |                                                 |               |                      |            |          |                |                   |        |
|---------------------------------------------------------------------------------------------------|-----|------------------|-------------|-----------------------------|-----------------------|------------------|-------------------------------------------------|---------------|----------------------|------------|----------|----------------|-------------------|--------|
| FREQUENCY                                                                                         |     | Mode             | Service     | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Side                                            | Test Position | Device Serial Number | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |
| MHz                                                                                               | Ch. |                  |             |                             |                       |                  |                                                 |               |                      |            | (W/kg)   |                | (W/kg)            |        |
| 836.52                                                                                            | 384 | CDMA BC0 (\$22H) | RC3 / SO55  | 24.7                        | 24.49                 | 0.18             | Right                                           | Cheek         | 01670                | 1:1        | 0.103    | 1.050          | 0.108             |        |
| 836.52                                                                                            | 384 | CDMA BC0 (\$22H) | RC3 / SO55  | 24.7                        | 24.49                 | 0.13             | Right                                           | Tilt          | 01670                | 1:1        | 0.061    | 1.050          | 0.064             |        |
| 836.52                                                                                            | 384 | CDMA BC0 (\$22H) | RC3 / SO55  | 24.7                        | 24.49                 | 0.02             | Left                                            | Cheek         | 01670                | 1:1        | 0.119    | 1.050          | 0.125             | A2     |
| 836.52                                                                                            | 384 | CDMA BC0 (\$22H) | RC3 / SO55  | 24.7                        | 24.49                 | 0.00             | Left                                            | Tilt          | 01670                | 1:1        | 0.049    | 1.050          | 0.051             |        |
| 836.52                                                                                            | 384 | CDMA BC0 (\$22H) | EVDO Rev. A | 24.7                        | 24.50                 | 0.09             | Right                                           | Cheek         | 01670                | 1:1        | 0.101    | 1.047          | 0.106             |        |
| 836.52                                                                                            | 384 | CDMA BC0 (\$22H) | EVDO Rev. A | 24.7                        | 24.50                 | 0.04             | Right                                           | Tilt          | 01670                | 1:1        | 0.061    | 1.047          | 0.064             |        |
| 836.52                                                                                            | 384 | CDMA BC0 (\$22H) | EVDO Rev. A | 24.7                        | 24.50                 | 0.04             | Left                                            | Cheek         | 01670                | 1:1        | 0.115    | 1.047          | 0.120             |        |
| 836.52                                                                                            | 384 | CDMA BC0 (\$22H) | EVDO Rev. A | 24.7                        | 24.50                 | -0.02            | Left                                            | Tilt          | 01670                | 1:1        | 0.051    | 1.047          | 0.053             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |     |                  |             |                             |                       |                  | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |               |                      |            |          |                |                   |        |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 174 of 227                 |

**Table 11-3**  
**PCS CDMA Head SAR**

| MEASUREMENT RESULTS                                                                               |     |          |             |                             |                       |                  |                                                 |               |                      |            |          |                |                   |        |
|---------------------------------------------------------------------------------------------------|-----|----------|-------------|-----------------------------|-----------------------|------------------|-------------------------------------------------|---------------|----------------------|------------|----------|----------------|-------------------|--------|
| FREQUENCY                                                                                         |     | Mode     | Service     | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Side                                            | Test Position | Device Serial Number | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |
| MHz                                                                                               | Ch. |          |             |                             |                       |                  |                                                 |               |                      |            | (W/kg)   |                | (W/kg)            |        |
| 1880.00                                                                                           | 600 | PCS CDMA | RC3 / SO55  | 24.7                        | 24.56                 | 0.13             | Right                                           | Cheek         | 01670                | 1:1        | 0.088    | 1.033          | 0.091             |        |
| 1880.00                                                                                           | 600 | PCS CDMA | RC3 / SO55  | 24.7                        | 24.56                 | -0.20            | Right                                           | Tilt          | 01670                | 1:1        | 0.038    | 1.033          | 0.039             |        |
| 1880.00                                                                                           | 600 | PCS CDMA | RC3 / SO55  | 24.7                        | 24.56                 | 0.12             | Left                                            | Cheek         | 01670                | 1:1        | 0.075    | 1.033          | 0.077             |        |
| 1880.00                                                                                           | 600 | PCS CDMA | RC3 / SO55  | 24.7                        | 24.56                 | -0.03            | Left                                            | Tilt          | 01670                | 1:1        | 0.051    | 1.033          | 0.053             |        |
| 1880.00                                                                                           | 600 | PCS CDMA | EVDO Rev. A | 24.7                        | 24.55                 | 0.17             | Right                                           | Cheek         | 01670                | 1:1        | 0.088    | 1.035          | 0.091             | A3     |
| 1880.00                                                                                           | 600 | PCS CDMA | EVDO Rev. A | 24.7                        | 24.55                 | 0.17             | Right                                           | Tilt          | 01670                | 1:1        | 0.035    | 1.035          | 0.036             |        |
| 1880.00                                                                                           | 600 | PCS CDMA | EVDO Rev. A | 24.7                        | 24.55                 | 0.08             | Left                                            | Cheek         | 01670                | 1:1        | 0.079    | 1.035          | 0.082             |        |
| 1880.00                                                                                           | 600 | PCS CDMA | EVDO Rev. A | 24.7                        | 24.55                 | 0.20             | Left                                            | Tilt          | 01670                | 1:1        | 0.055    | 1.035          | 0.057             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |     |          |             |                             |                       |                  | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |               |                      |            |          |                |                   |        |

**Table 11-4**  
**GSM 850 Head SAR**

| MEASUREMENT RESULTS                                                                               |     |         |         |                             |                       |                  |       |                                                 |                      |                 |            |          |                |                   |        |
|---------------------------------------------------------------------------------------------------|-----|---------|---------|-----------------------------|-----------------------|------------------|-------|-------------------------------------------------|----------------------|-----------------|------------|----------|----------------|-------------------|--------|
| FREQUENCY                                                                                         |     | Mode    | Service | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Side  | Test Position                                   | Device Serial Number | # of Time Slots | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |
| MHz                                                                                               | Ch. |         |         |                             |                       |                  |       |                                                 |                      |                 |            | (W/kg)   |                | (W/kg)            |        |
| 836.60                                                                                            | 190 | GSM 850 | GSM     | 33.7                        | 33.24                 | -0.11            | Right | Cheek                                           | 01670                | 1               | 1:8.3      | 0.097    | 1.112          | 0.108             |        |
| 836.60                                                                                            | 190 | GSM 850 | GSM     | 33.7                        | 33.24                 | -0.20            | Right | Tilt                                            | 01670                | 1               | 1:8.3      | 0.049    | 1.112          | 0.054             |        |
| 836.60                                                                                            | 190 | GSM 850 | GSM     | 33.7                        | 33.24                 | 0.01             | Left  | Cheek                                           | 01670                | 1               | 1:8.3      | 0.109    | 1.112          | 0.121             |        |
| 836.60                                                                                            | 190 | GSM 850 | GSM     | 33.7                        | 33.24                 | 0.07             | Left  | Tilt                                            | 01670                | 1               | 1:8.3      | 0.054    | 1.112          | 0.060             |        |
| 836.60                                                                                            | 190 | GSM 850 | GPRS    | 29.2                        | 29.01                 | -0.16            | Right | Cheek                                           | 01670                | 4               | 1:2.076    | 0.120    | 1.045          | 0.125             |        |
| 836.60                                                                                            | 190 | GSM 850 | GPRS    | 29.2                        | 29.01                 | -0.19            | Right | Tilt                                            | 01670                | 4               | 1:2.076    | 0.059    | 1.045          | 0.062             |        |
| 836.60                                                                                            | 190 | GSM 850 | GPRS    | 29.2                        | 29.01                 | 0.12             | Left  | Cheek                                           | 01670                | 4               | 1:2.076    | 0.152    | 1.045          | 0.159             | A4     |
| 836.60                                                                                            | 190 | GSM 850 | GPRS    | 29.2                        | 29.01                 | 0.08             | Left  | Tilt                                            | 01670                | 4               | 1:2.076    | 0.069    | 1.045          | 0.072             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |     |         |         |                             |                       |                  |       | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                      |                 |            |          |                |                   |        |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 175 of 227                 |

**Table 11-5**  
**GSM 1900 Head SAR**

| MEASUREMENT RESULTS                                                                               |     |          |         |                             |                       |                  |                                                 |               |                      |                 |            |          |                |                   |        |
|---------------------------------------------------------------------------------------------------|-----|----------|---------|-----------------------------|-----------------------|------------------|-------------------------------------------------|---------------|----------------------|-----------------|------------|----------|----------------|-------------------|--------|
| FREQUENCY                                                                                         |     | Mode     | Service | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Side                                            | Test Position | Device Serial Number | # of Time Slots | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |
| MHz                                                                                               | Ch. |          |         |                             |                       |                  |                                                 |               |                      |                 |            | (W/kg)   |                | (W/kg)            |        |
| 1880.00                                                                                           | 661 | GSM 1900 | GSM     | 30.7                        | 30.70                 | 0.01             | Right                                           | Cheek         | 01670                | 1               | 1:8.3      | 0.032    | 1.000          | 0.032             |        |
| 1880.00                                                                                           | 661 | GSM 1900 | GSM     | 30.7                        | 30.70                 | 0.21             | Right                                           | Tilt          | 01670                | 1               | 1:8.3      | 0.014    | 1.000          | 0.014             |        |
| 1880.00                                                                                           | 661 | GSM 1900 | GSM     | 30.7                        | 30.70                 | -0.15            | Left                                            | Cheek         | 01670                | 1               | 1:8.3      | 0.028    | 1.000          | 0.028             |        |
| 1880.00                                                                                           | 661 | GSM 1900 | GSM     | 30.7                        | 30.70                 | 0.19             | Left                                            | Tilt          | 01670                | 1               | 1:8.3      | 0.017    | 1.000          | 0.017             |        |
| 1880.00                                                                                           | 661 | GSM 1900 | GPRS    | 27.2                        | 27.16                 | 0.21             | Right                                           | Cheek         | 01670                | 3               | 1:2.76     | 0.041    | 1.009          | 0.041             | A5     |
| 1880.00                                                                                           | 661 | GSM 1900 | GPRS    | 27.2                        | 27.16                 | 0.16             | Right                                           | Tilt          | 01670                | 3               | 1:2.76     | 0.020    | 1.009          | 0.020             |        |
| 1880.00                                                                                           | 661 | GSM 1900 | GPRS    | 27.2                        | 27.16                 | 0.10             | Left                                            | Cheek         | 01670                | 3               | 1:2.76     | 0.035    | 1.009          | 0.035             |        |
| 1880.00                                                                                           | 661 | GSM 1900 | GPRS    | 27.2                        | 27.16                 | 0.18             | Left                                            | Tilt          | 01670                | 3               | 1:2.76     | 0.022    | 1.009          | 0.022             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |     |          |         |                             |                       |                  | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |               |                      |                 |            |          |                |                   |        |

**Table 11-6**  
**UMTS 850 Head SAR**

| MEASUREMENT RESULTS                                                                               |      |          |         |                             |                       |                  |                                                 |               |                      |            |          |                |                   |        |
|---------------------------------------------------------------------------------------------------|------|----------|---------|-----------------------------|-----------------------|------------------|-------------------------------------------------|---------------|----------------------|------------|----------|----------------|-------------------|--------|
| FREQUENCY                                                                                         |      | Mode     | Service | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Side                                            | Test Position | Device Serial Number | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |
| MHz                                                                                               | Ch.  |          |         |                             |                       |                  |                                                 |               |                      |            | (W/kg)   |                | (W/kg)            |        |
| 836.60                                                                                            | 4183 | UMTS 850 | RMC     | 24.7                        | 24.41                 | -0.15            | Right                                           | Cheek         | 01696                | 1:1        | 0.087    | 1.069          | 0.093             |        |
| 836.60                                                                                            | 4183 | UMTS 850 | RMC     | 24.7                        | 24.41                 | 0.03             | Right                                           | Tilt          | 01696                | 1:1        | 0.053    | 1.069          | 0.057             |        |
| 836.60                                                                                            | 4183 | UMTS 850 | RMC     | 24.7                        | 24.41                 | -0.02            | Left                                            | Cheek         | 01696                | 1:1        | 0.111    | 1.069          | 0.119             | A6     |
| 836.60                                                                                            | 4183 | UMTS 850 | RMC     | 24.7                        | 24.41                 | -0.10            | Left                                            | Tilt          | 01696                | 1:1        | 0.050    | 1.069          | 0.053             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |      |          |         |                             |                       |                  | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |               |                      |            |          |                |                   |        |

**Table 11-7**  
**UMTS 1750 Head SAR**

| MEASUREMENT RESULTS                                                                               |      |           |         |                             |                       |                  |                                                 |               |                      |            |          |                |                   |        |
|---------------------------------------------------------------------------------------------------|------|-----------|---------|-----------------------------|-----------------------|------------------|-------------------------------------------------|---------------|----------------------|------------|----------|----------------|-------------------|--------|
| FREQUENCY                                                                                         |      | Mode      | Service | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Side                                            | Test Position | Device Serial Number | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |
| MHz                                                                                               | Ch.  |           |         |                             |                       |                  |                                                 |               |                      |            | (W/kg)   |                | (W/kg)            |        |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC     | 24.7                        | 24.69                 | 0.07             | Right                                           | Cheek         | 01688                | 1:1        | 0.140    | 1.002          | 0.140             | A7     |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC     | 24.7                        | 24.69                 | 0.20             | Right                                           | Tilt          | 01688                | 1:1        | 0.044    | 1.002          | 0.044             |        |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC     | 24.7                        | 24.69                 | 0.09             | Left                                            | Cheek         | 01688                | 1:1        | 0.095    | 1.002          | 0.095             |        |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC     | 24.7                        | 24.69                 | 0.14             | Left                                            | Tilt          | 01688                | 1:1        | 0.077    | 1.002          | 0.077             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |      |           |         |                             |                       |                  | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |               |                      |            |          |                |                   |        |

|                                         |                                                                                                                                                                                                |                               |                                                                                       |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       | <br>Proud to be part of  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                             | DUT Type:<br>Portable Handset |                                                                                       | Page 176 of 227                 |

**Table 11-8**  
**UMTS 1900 Head SAR**

| MEASUREMENT RESULTS                                                                               |      |           |         |                             |                       |                  |       |                                                 |                      |            |          |                |                   |        |
|---------------------------------------------------------------------------------------------------|------|-----------|---------|-----------------------------|-----------------------|------------------|-------|-------------------------------------------------|----------------------|------------|----------|----------------|-------------------|--------|
| FREQUENCY                                                                                         |      | Mode      | Service | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Side  | Test Position                                   | Device Serial Number | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |
| MHz                                                                                               | Ch.  |           |         |                             |                       |                  |       |                                                 |                      |            | (W/kg)   |                | (W/kg)            |        |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC     | 24.7                        | 24.65                 | 0.18             | Right | Cheek                                           | 01670                | 1:1        | 0.078    | 1.012          | 0.079             | A8     |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC     | 24.7                        | 24.65                 | 0.15             | Right | Tilt                                            | 01670                | 1:1        | 0.039    | 1.012          | 0.039             |        |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC     | 24.7                        | 24.65                 | -0.08            | Left  | Cheek                                           | 01670                | 1:1        | 0.073    | 1.012          | 0.074             |        |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC     | 24.7                        | 24.65                 | -0.07            | Left  | Tilt                                            | 01670                | 1:1        | 0.042    | 1.012          | 0.043             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |      |           |         |                             |                       |                  |       | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                      |            |          |                |                   |        |

**Table 11-9**  
**LTE Band 71 Head SAR**

| MEASUREMENT RESULTS                                                                               |        |      |                 |                             |                       |                  |          |      |                                                 |            |         |           |                      |            |          |                |                   |        |    |
|---------------------------------------------------------------------------------------------------|--------|------|-----------------|-----------------------------|-----------------------|------------------|----------|------|-------------------------------------------------|------------|---------|-----------|----------------------|------------|----------|----------------|-------------------|--------|----|
| FREQUENCY                                                                                         |        | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Side | Test Position                                   | Modulation | RB Size | RB Offset | Device Serial Number | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |    |
| MHz                                                                                               | Ch.    |      |                 |                             |                       |                  |          |      |                                                 |            |         |           |                      |            | (W/kg)   |                | (W/kg)            |        |    |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71     | 20                          | 25.5                  | 25.44            | 0.02     | 0    | Right                                           | Cheek      | QPSK    | 1         | 50                   | 01704      | 1:1      | 0.116          | 1.014             | 0.118  | A9 |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71     | 20                          | 24.5                  | 24.34            | 0.07     | 1    | Right                                           | Cheek      | QPSK    | 50        | 25                   | 01704      | 1:1      | 0.089          | 1.038             | 0.092  |    |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71     | 20                          | 25.5                  | 25.44            | 0.19     | 0    | Right                                           | Tilt       | QPSK    | 1         | 50                   | 01704      | 1:1      | 0.051          | 1.014             | 0.052  |    |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71     | 20                          | 24.5                  | 24.34            | 0.21     | 1    | Right                                           | Tilt       | QPSK    | 50        | 25                   | 01704      | 1:1      | 0.034          | 1.038             | 0.035  |    |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71     | 20                          | 25.5                  | 25.44            | 0.03     | 0    | Left                                            | Cheek      | QPSK    | 1         | 50                   | 01704      | 1:1      | 0.102          | 1.014             | 0.103  |    |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71     | 20                          | 24.5                  | 24.34            | 0.05     | 1    | Left                                            | Cheek      | QPSK    | 50        | 25                   | 01704      | 1:1      | 0.080          | 1.038             | 0.083  |    |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71     | 20                          | 25.5                  | 25.44            | 0.06     | 0    | Left                                            | Tilt       | QPSK    | 1         | 50                   | 01704      | 1:1      | 0.036          | 1.014             | 0.037  |    |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71     | 20                          | 24.5                  | 24.34            | 0.16     | 1    | Left                                            | Tilt       | QPSK    | 50        | 25                   | 01704      | 1:1      | 0.029          | 1.038             | 0.030  |    |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |        |      |                 |                             |                       |                  |          |      | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |         |           |                      |            |          |                |                   |        |    |

**Table 11-10**  
**LTE Band 12 Head SAR**

| MEASUREMENT RESULTS                                                                               |       |        |             |                 |                             |                       |                  |          |                                                 |               |            |         |           |                      |            |          |                |                   |        |
|---------------------------------------------------------------------------------------------------|-------|--------|-------------|-----------------|-----------------------------|-----------------------|------------------|----------|-------------------------------------------------|---------------|------------|---------|-----------|----------------------|------------|----------|----------------|-------------------|--------|
| FREQUENCY                                                                                         |       |        | Mode        | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Side                                            | Test Position | Modulation | RB Size | RB Offset | Device Serial Number | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |
| MHz                                                                                               | Ch.   | (W/kg) |             |                 |                             |                       |                  |          |                                                 |               |            |         |           |                      |            | (W/kg)   |                |                   |        |
| 707.50                                                                                            | 23095 | Mid    | LTE Band 12 | 10              | 25.5                        | 25.46                 | 0.18             | 0        | Right                                           | Cheek         | QPSK       | 1       | 25        | 01704                | 1:1        | 0.140    | 1.009          | 0.141             | A10    |
| 707.50                                                                                            | 23095 | Mid    | LTE Band 12 | 10              | 24.5                        | 24.49                 | 0.08             | 1        | Right                                           | Cheek         | QPSK       | 25      | 25        | 01704                | 1:1        | 0.102    | 1.002          | 0.102             |        |
| 707.50                                                                                            | 23095 | Mid    | LTE Band 12 | 10              | 25.5                        | 25.46                 | 0.16             | 0        | Right                                           | Tilt          | QPSK       | 1       | 25        | 01704                | 1:1        | 0.059    | 1.009          | 0.060             |        |
| 707.50                                                                                            | 23095 | Mid    | LTE Band 12 | 10              | 24.5                        | 24.49                 | 0.14             | 1        | Right                                           | Tilt          | QPSK       | 25      | 25        | 01704                | 1:1        | 0.038    | 1.002          | 0.038             |        |
| 707.50                                                                                            | 23095 | Mid    | LTE Band 12 | 10              | 25.5                        | 25.46                 | -0.02            | 0        | Left                                            | Cheek         | QPSK       | 1       | 25        | 01704                | 1:1        | 0.129    | 1.009          | 0.130             |        |
| 707.50                                                                                            | 23095 | Mid    | LTE Band 12 | 10              | 24.5                        | 24.49                 | 0.06             | 1        | Left                                            | Cheek         | QPSK       | 25      | 25        | 01704                | 1:1        | 0.093    | 1.002          | 0.093             |        |
| 707.50                                                                                            | 23095 | Mid    | LTE Band 12 | 10              | 25.5                        | 25.46                 | 0.04             | 0        | Left                                            | Tilt          | QPSK       | 1       | 25        | 01704                | 1:1        | 0.061    | 1.009          | 0.062             |        |
| 707.50                                                                                            | 23095 | Mid    | LTE Band 12 | 10              | 24.5                        | 24.49                 | 0.19             | 1        | Left                                            | Tilt          | QPSK       | 25      | 25        | 01704                | 1:1        | 0.036    | 1.002          | 0.036             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |       |        |             |                 |                             |                       |                  |          | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |               |            |         |           |                      |            |          |                |                   |        |

|                                         |                                                                                                                                                                                                |                               |                                                                                       |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       | <br>Proud to be part of  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                             | DUT Type:<br>Portable Handset |                                                                                       | Page 177 of 227                 |

**Table 11-11**  
**LTE Band 13 Head SAR**

| MEASUREMENT RESULTS                                                                               |       |      |                 |                             |                       |                  |          |      |                                                 |            |         |           |                      |            |          |                |                   |        |     |
|---------------------------------------------------------------------------------------------------|-------|------|-----------------|-----------------------------|-----------------------|------------------|----------|------|-------------------------------------------------|------------|---------|-----------|----------------------|------------|----------|----------------|-------------------|--------|-----|
| FREQUENCY                                                                                         |       | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Side | Test Position                                   | Modulation | RB Size | RB Offset | Device Serial Number | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |     |
| MHz                                                                                               | Ch.   |      |                 |                             |                       |                  |          |      |                                                 |            |         |           |                      |            | (W/kg)   |                | (W/kg)            |        |     |
| 782.00                                                                                            | 23230 | Mid  | LTE Band 13     | 10                          | 25.5                  | 25.22            | 0.14     | 0    | Right                                           | Cheek      | QPSK    | 1         | 0                    | 01704      | 1.1      | 0.094          | 1.067             | 0.100  | A11 |
| 782.00                                                                                            | 23230 | Mid  | LTE Band 13     | 10                          | 24.5                  | 24.34            | 0.13     | 1    | Right                                           | Cheek      | QPSK    | 25        | 12                   | 01704      | 1.1      | 0.078          | 1.038             | 0.081  |     |
| 782.00                                                                                            | 23230 | Mid  | LTE Band 13     | 10                          | 25.5                  | 25.22            | 0.15     | 0    | Right                                           | Tilt       | QPSK    | 1         | 0                    | 01704      | 1.1      | 0.051          | 1.067             | 0.054  |     |
| 782.00                                                                                            | 23230 | Mid  | LTE Band 13     | 10                          | 24.5                  | 24.34            | -0.14    | 1    | Right                                           | Tilt       | QPSK    | 25        | 12                   | 01704      | 1.1      | 0.044          | 1.038             | 0.046  |     |
| 782.00                                                                                            | 23230 | Mid  | LTE Band 13     | 10                          | 25.5                  | 25.22            | 0.06     | 0    | Left                                            | Cheek      | QPSK    | 1         | 0                    | 01704      | 1.1      | 0.094          | 1.067             | 0.100  |     |
| 782.00                                                                                            | 23230 | Mid  | LTE Band 13     | 10                          | 24.5                  | 24.34            | 0.08     | 1    | Left                                            | Cheek      | QPSK    | 25        | 12                   | 01704      | 1.1      | 0.084          | 1.038             | 0.087  |     |
| 782.00                                                                                            | 23230 | Mid  | LTE Band 13     | 10                          | 25.5                  | 25.22            | 0.13     | 0    | Left                                            | Tilt       | QPSK    | 1         | 0                    | 01704      | 1.1      | 0.038          | 1.067             | 0.041  |     |
| 782.00                                                                                            | 23230 | Mid  | LTE Band 13     | 10                          | 24.5                  | 24.34            | 0.16     | 1    | Left                                            | Tilt       | QPSK    | 25        | 12                   | 01704      | 1.1      | 0.033          | 1.038             | 0.034  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |       |      |                 |                             |                       |                  |          |      | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |         |           |                      |            |          |                |                   |        |     |

**Table 11-12**  
**LTE Band 26 (Cell) Head SAR**

| MEASUREMENT RESULTS                                                                               |       |      |                    |                             |                       |                  |          |      |                                                 |            |         |           |                      |            |          |                |                   |        |     |
|---------------------------------------------------------------------------------------------------|-------|------|--------------------|-----------------------------|-----------------------|------------------|----------|------|-------------------------------------------------|------------|---------|-----------|----------------------|------------|----------|----------------|-------------------|--------|-----|
| FREQUENCY                                                                                         |       | Mode | Bandwidth [MHz]    | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Side | Test Position                                   | Modulation | RB Size | RB Offset | Device Serial Number | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |     |
| MHz                                                                                               | Ch.   |      |                    |                             |                       |                  |          |      |                                                 |            |         |           |                      |            | (W/kg)   |                | (W/kg)            |        |     |
| 831.50                                                                                            | 26865 | Mid  | LTE Band 26 (Cell) | 15                          | 25.5                  | 25.13            | 0.00     | 0    | Right                                           | Cheek      | QPSK    | 1         | 36                   | 01696      | 1.1      | 0.100          | 1.089             | 0.109  |     |
| 831.50                                                                                            | 26865 | Mid  | LTE Band 26 (Cell) | 15                          | 24.5                  | 24.23            | 0.17     | 1    | Right                                           | Cheek      | QPSK    | 36        | 0                    | 01696      | 1.1      | 0.073          | 1.064             | 0.078  |     |
| 831.50                                                                                            | 26865 | Mid  | LTE Band 26 (Cell) | 15                          | 25.5                  | 25.13            | 0.19     | 0    | Right                                           | Tilt       | QPSK    | 1         | 36                   | 01696      | 1.1      | 0.056          | 1.089             | 0.061  |     |
| 831.50                                                                                            | 26865 | Mid  | LTE Band 26 (Cell) | 15                          | 24.5                  | 24.23            | 0.19     | 1    | Right                                           | Tilt       | QPSK    | 36        | 0                    | 01696      | 1.1      | 0.044          | 1.064             | 0.047  |     |
| 831.50                                                                                            | 26865 | Mid  | LTE Band 26 (Cell) | 15                          | 25.5                  | 25.13            | 0.03     | 0    | Left                                            | Cheek      | QPSK    | 1         | 36                   | 01696      | 1.1      | 0.125          | 1.089             | 0.136  | A12 |
| 831.50                                                                                            | 26865 | Mid  | LTE Band 26 (Cell) | 15                          | 24.5                  | 24.23            | 0.18     | 1    | Left                                            | Cheek      | QPSK    | 36        | 0                    | 01696      | 1.1      | 0.101          | 1.064             | 0.107  |     |
| 831.50                                                                                            | 26865 | Mid  | LTE Band 26 (Cell) | 15                          | 25.5                  | 25.13            | 0.15     | 0    | Left                                            | Tilt       | QPSK    | 1         | 36                   | 01696      | 1.1      | 0.053          | 1.089             | 0.058  |     |
| 831.50                                                                                            | 26865 | Mid  | LTE Band 26 (Cell) | 15                          | 24.5                  | 24.23            | -0.09    | 1    | Left                                            | Tilt       | QPSK    | 36        | 0                    | 01696      | 1.1      | 0.042          | 1.064             | 0.045  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |       |      |                    |                             |                       |                  |          |      | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |         |           |                      |            |          |                |                   |        |     |

**Table 11-13**  
**LTE Band 66 (AWS) Head SAR – Ant 2**

| MEASUREMENT RESULTS                      |        |      |                   |                             |                       |                  |          |      |                      |            |         |           |                      |            |          |                |                   |        |  |
|------------------------------------------|--------|------|-------------------|-----------------------------|-----------------------|------------------|----------|------|----------------------|------------|---------|-----------|----------------------|------------|----------|----------------|-------------------|--------|--|
| FREQUENCY                                |        | Mode | Bandwidth [MHz]   | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Side | Test Position        | Modulation | RB Size | RB Offset | Device Serial Number | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |  |
| MHz                                      | Ch.    |      |                   |                             |                       |                  |          |      |                      |            |         |           |                      |            | (W/kg)   |                | (W/kg)            |        |  |
| 1770.00                                  | 132572 | High | LTE Band 66 (AWS) | 20                          | 25.2                  | 25.10            | -0.06    | 0    | Right                | Cheek      | QPSK    | 1         | 0                    | 01696      | 1.1      | 0.171          | 1.023             | 0.175  |  |
| 1770.00                                  | 132572 | High | LTE Band 66 (AWS) | 20                          | 24.2                  | 24.08            | 0.16     | 1    | Right                | Cheek      | QPSK    | 50        | 0                    | 01696      | 1.1      | 0.109          | 1.028             | 0.112  |  |
| 1770.00                                  | 132572 | High | LTE Band 66 (AWS) | 20                          | 25.2                  | 25.10            | 0.17     | 0    | Right                | Tilt       | QPSK    | 1         | 0                    | 01696      | 1.1      | 0.050          | 1.023             | 0.051  |  |
| 1770.00                                  | 132572 | High | LTE Band 66 (AWS) | 20                          | 24.2                  | 24.08            | 0.16     | 1    | Right                | Tilt       | QPSK    | 50        | 0                    | 01696      | 1.1      | 0.035          | 1.028             | 0.036  |  |
| 1770.00                                  | 132572 | High | LTE Band 66 (AWS) | 20                          | 25.2                  | 25.10            | 0.10     | 0    | Left                 | Cheek      | QPSK    | 1         | 0                    | 01696      | 1.1      | 0.085          | 1.023             | 0.087  |  |
| 1770.00                                  | 132572 | High | LTE Band 66 (AWS) | 20                          | 24.2                  | 24.08            | 0.15     | 1    | Left                 | Cheek      | QPSK    | 50        | 0                    | 01696      | 1.1      | 0.065          | 1.028             | 0.067  |  |
| 1770.00                                  | 132572 | High | LTE Band 66 (AWS) | 20                          | 25.2                  | 25.10            | -0.19    | 0    | Left                 | Tilt       | QPSK    | 1         | 0                    | 01696      | 1.1      | 0.077          | 1.023             | 0.079  |  |
| 1770.00                                  | 132572 | High | LTE Band 66 (AWS) | 20                          | 24.2                  | 24.08            | 0.13     | 1    | Left                 | Tilt       | QPSK    | 50        | 0                    | 01696      | 1.1      | 0.049          | 1.028             | 0.050  |  |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |        |      |                   |                             |                       |                  |          |      | Head                 |            |         |           |                      |            |          |                |                   |        |  |
| Spatial Peak                             |        |      |                   |                             |                       |                  |          |      | 1.6 W/kg (mW/g)      |            |         |           |                      |            |          |                |                   |        |  |
| Uncontrolled Exposure/General Population |        |      |                   |                             |                       |                  |          |      | averaged over 1 gram |            |         |           |                      |            |          |                |                   |        |  |

|                                         |                                                                                                                                                                                                               |                               |                                                                                       |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       | <br><small>Proud to be part of</small>  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                                            | DUT Type:<br>Portable Handset |                                                                                       | Page 178 of 227                 |

**Table 11-14**  
**LTE Band 66 (AWS) Head SAR – Ant 3**

| MEASUREMENT RESULTS                                                                               |        |      |                   |                             |                       |                  |          |      |                                                 |            |         |           |                      |            |          |                |                   |        |     |
|---------------------------------------------------------------------------------------------------|--------|------|-------------------|-----------------------------|-----------------------|------------------|----------|------|-------------------------------------------------|------------|---------|-----------|----------------------|------------|----------|----------------|-------------------|--------|-----|
| FREQUENCY                                                                                         |        | Mode | Bandwidth [MHz]   | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Side | Test Position                                   | Modulation | RB Size | RB Offset | Device Serial Number | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |     |
| MHz                                                                                               | Ch.    |      |                   |                             |                       |                  |          |      |                                                 |            |         |           |                      |            | (W/kg)   |                | (W/kg)            |        |     |
| 1745.00                                                                                           | 132322 | Mid  | LTE Band 66 (AWS) | 20                          | 23.5                  | 23.50            | -0.05    | 0    | Right                                           | Cheek      | QPSK    | 1         | 50                   | 01704      | 1:1      | 0.180          | 1.000             | 0.180  | A13 |
| 1745.00                                                                                           | 132322 | Mid  | LTE Band 66 (AWS) | 20                          | 22.5                  | 22.50            | 0.02     | 1    | Right                                           | Cheek      | QPSK    | 50        | 0                    | 01704      | 1:1      | 0.122          | 1.000             | 0.122  |     |
| 1745.00                                                                                           | 132322 | Mid  | LTE Band 66 (AWS) | 20                          | 23.5                  | 23.50            | 0.06     | 0    | Right                                           | Tilt       | QPSK    | 1         | 50                   | 01704      | 1:1      | 0.056          | 1.000             | 0.056  |     |
| 1745.00                                                                                           | 132322 | Mid  | LTE Band 66 (AWS) | 20                          | 22.5                  | 22.50            | 0.10     | 1    | Right                                           | Tilt       | QPSK    | 50        | 0                    | 01704      | 1:1      | 0.041          | 1.000             | 0.041  |     |
| 1745.00                                                                                           | 132322 | Mid  | LTE Band 66 (AWS) | 20                          | 23.5                  | 23.50            | 0.10     | 0    | Left                                            | Cheek      | QPSK    | 1         | 50                   | 01704      | 1:1      | 0.097          | 1.000             | 0.097  |     |
| 1745.00                                                                                           | 132322 | Mid  | LTE Band 66 (AWS) | 20                          | 22.5                  | 22.50            | 0.16     | 1    | Left                                            | Cheek      | QPSK    | 50        | 0                    | 01704      | 1:1      | 0.071          | 1.000             | 0.071  |     |
| 1745.00                                                                                           | 132322 | Mid  | LTE Band 66 (AWS) | 20                          | 23.5                  | 23.50            | 0.21     | 0    | Left                                            | Tilt       | QPSK    | 1         | 50                   | 01704      | 1:1      | 0.062          | 1.000             | 0.062  |     |
| 1745.00                                                                                           | 132322 | Mid  | LTE Band 66 (AWS) | 20                          | 22.5                  | 22.50            | 0.09     | 1    | Left                                            | Tilt       | QPSK    | 50        | 0                    | 01704      | 1:1      | 0.047          | 1.000             | 0.047  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |        |      |                   |                             |                       |                  |          |      | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |         |           |                      |            |          |                |                   |        |     |

**Table 11-15**  
**LTE Band 25 (PCS) Head SAR – Ant 2**

| MEASUREMENT RESULTS                                                                               |       |      |                   |                             |                       |                  |          |      |                                                 |            |         |           |                      |            |          |                |                   |        |     |
|---------------------------------------------------------------------------------------------------|-------|------|-------------------|-----------------------------|-----------------------|------------------|----------|------|-------------------------------------------------|------------|---------|-----------|----------------------|------------|----------|----------------|-------------------|--------|-----|
| FREQUENCY                                                                                         |       | Mode | Bandwidth [MHz]   | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Side | Test Position                                   | Modulation | RB Size | RB Offset | Device Serial Number | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |     |
| MHz                                                                                               | Ch.   |      |                   |                             |                       |                  |          |      |                                                 |            |         |           |                      |            | (W/kg)   |                | (W/kg)            |        |     |
| 1905.00                                                                                           | 26590 | High | LTE Band 25 (PCS) | 20                          | 25.2                  | 25.17            | 0.11     | 0    | Right                                           | Cheek      | QPSK    | 1         | 50                   | 01696      | 1:1      | 0.097          | 1.007             | 0.098  | A14 |
| 1905.00                                                                                           | 26590 | High | LTE Band 25 (PCS) | 20                          | 24.2                  | 24.07            | 0.12     | 1    | Right                                           | Cheek      | QPSK    | 50        | 0                    | 01696      | 1:1      | 0.075          | 1.030             | 0.077  |     |
| 1905.00                                                                                           | 26590 | High | LTE Band 25 (PCS) | 20                          | 25.2                  | 25.17            | 0.12     | 0    | Right                                           | Tilt       | QPSK    | 1         | 50                   | 01696      | 1:1      | 0.037          | 1.007             | 0.037  |     |
| 1905.00                                                                                           | 26590 | High | LTE Band 25 (PCS) | 20                          | 24.2                  | 24.07            | 0.14     | 1    | Right                                           | Tilt       | QPSK    | 50        | 0                    | 01696      | 1:1      | 0.026          | 1.030             | 0.027  |     |
| 1905.00                                                                                           | 26590 | High | LTE Band 25 (PCS) | 20                          | 25.2                  | 25.17            | 0.15     | 0    | Left                                            | Cheek      | QPSK    | 1         | 50                   | 01696      | 1:1      | 0.086          | 1.007             | 0.087  |     |
| 1905.00                                                                                           | 26590 | High | LTE Band 25 (PCS) | 20                          | 24.2                  | 24.07            | 0.14     | 1    | Left                                            | Cheek      | QPSK    | 50        | 0                    | 01696      | 1:1      | 0.070          | 1.030             | 0.072  |     |
| 1905.00                                                                                           | 26590 | High | LTE Band 25 (PCS) | 20                          | 25.2                  | 25.17            | 0.06     | 0    | Left                                            | Tilt       | QPSK    | 1         | 50                   | 01696      | 1:1      | 0.060          | 1.007             | 0.060  |     |
| 1905.00                                                                                           | 26590 | High | LTE Band 25 (PCS) | 20                          | 24.2                  | 24.07            | 0.19     | 1    | Left                                            | Tilt       | QPSK    | 50        | 0                    | 01696      | 1:1      | 0.049          | 1.030             | 0.050  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |       |      |                   |                             |                       |                  |          |      | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |         |           |                      |            |          |                |                   |        |     |

**Table 11-16**  
**LTE Band 2 (PCS) Head SAR – Ant 3**

| MEASUREMENT RESULTS                                                                               |       |      |                  |                             |                       |                  |          |      |                                                 |            |         |           |                      |            |          |                |                   |        |     |
|---------------------------------------------------------------------------------------------------|-------|------|------------------|-----------------------------|-----------------------|------------------|----------|------|-------------------------------------------------|------------|---------|-----------|----------------------|------------|----------|----------------|-------------------|--------|-----|
| FREQUENCY                                                                                         |       | Mode | Bandwidth [MHz]  | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Side | Test Position                                   | Modulation | RB Size | RB Offset | Device Serial Number | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |     |
| MHz                                                                                               | Ch.   |      |                  |                             |                       |                  |          |      |                                                 |            |         |           |                      |            | (W/kg)   |                | (W/kg)            |        |     |
| 1900.00                                                                                           | 19100 | High | LTE Band 2 (PCS) | 20                          | 23.5                  | 23.50            | 0.10     | 0    | Right                                           | Cheek      | QPSK    | 1         | 50                   | 01704      | 1:1      | 0.169          | 1.000             | 0.169  | A15 |
| 1900.00                                                                                           | 19100 | High | LTE Band 2 (PCS) | 20                          | 22.5                  | 22.38            | 0.14     | 1    | Right                                           | Cheek      | QPSK    | 50        | 25                   | 01704      | 1:1      | 0.141          | 1.028             | 0.145  |     |
| 1900.00                                                                                           | 19100 | High | LTE Band 2 (PCS) | 20                          | 23.5                  | 23.50            | 0.14     | 0    | Right                                           | Tilt       | QPSK    | 1         | 50                   | 01704      | 1:1      | 0.100          | 1.000             | 0.100  |     |
| 1900.00                                                                                           | 19100 | High | LTE Band 2 (PCS) | 20                          | 22.5                  | 22.38            | 0.04     | 1    | Right                                           | Tilt       | QPSK    | 50        | 25                   | 01704      | 1:1      | 0.080          | 1.028             | 0.082  |     |
| 1900.00                                                                                           | 19100 | High | LTE Band 2 (PCS) | 20                          | 23.5                  | 23.50            | 0.11     | 0    | Left                                            | Cheek      | QPSK    | 1         | 50                   | 01704      | 1:1      | 0.124          | 1.000             | 0.124  |     |
| 1900.00                                                                                           | 19100 | High | LTE Band 2 (PCS) | 20                          | 22.5                  | 22.38            | 0.20     | 1    | Left                                            | Cheek      | QPSK    | 50        | 25                   | 01704      | 1:1      | 0.092          | 1.028             | 0.095  |     |
| 1900.00                                                                                           | 19100 | High | LTE Band 2 (PCS) | 20                          | 23.5                  | 23.50            | 0.19     | 0    | Left                                            | Tilt       | QPSK    | 1         | 50                   | 01704      | 1:1      | 0.085          | 1.000             | 0.085  |     |
| 1900.00                                                                                           | 19100 | High | LTE Band 2 (PCS) | 20                          | 22.5                  | 22.38            | 0.06     | 1    | Left                                            | Tilt       | QPSK    | 50        | 25                   | 01704      | 1:1      | 0.069          | 1.028             | 0.071  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |       |      |                  |                             |                       |                  |          |      | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |         |           |                      |            |          |                |                   |        |     |

|                                         |                                                                                                                                                                                                               |                               |                                                                                       |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       | <br><small>Proud to be part of</small>  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                                            | DUT Type:<br>Portable Handset |                                                                                       | Page 179 of 227                 |

**Table 11-17**  
**LTE Band 41 Head SAR**

| MEASUREMENT RESULTS                                                                               |                      |           |       |      |                    |                                   |                          |                     |          |      |                  |                                                 |         |           |                            |               |         |                |                      |        |     |
|---------------------------------------------------------------------------------------------------|----------------------|-----------|-------|------|--------------------|-----------------------------------|--------------------------|---------------------|----------|------|------------------|-------------------------------------------------|---------|-----------|----------------------------|---------------|---------|----------------|----------------------|--------|-----|
| 1 CC Uplink   2 CC Uplink,<br>Power Class                                                         | Component<br>Carrier | FREQUENCY |       | Mode | Bandwidth<br>[MHz] | Maximum<br>Allowed<br>Power [dBm] | Conducted<br>Power [dBm] | Power<br>Drift [dB] | MPR [dB] | Side | Test<br>Position | Modulation                                      | RB Size | RB Offset | Device<br>Serial<br>Number | Duty<br>Cycle | SAR(1g) | Scaling Factor | Reported SAR<br>(1g) | Plot # |     |
|                                                                                                   |                      | MHz       | Ch.   |      |                    |                                   |                          |                     |          |      |                  |                                                 |         |           |                            |               | (W/kg)  |                | (W/kg)               |        |     |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2506.00   | 39750 | Low  | LTE Band 41        | 20                                | 25.2                     | 24.62               | 0.17     | 0    | Right            | Cheek                                           | QPSK    | 1         | 50                         | 01704         | 1:158   | 0.034          | 1.143                | 0.039  |     |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2506.00   | 39750 | Low  | LTE Band 41        | 20                                | 24.2                     | 24.17               | 0.12     | 1    | Right            | Cheek                                           | QPSK    | 50        | 50                         | 01704         | 1:158   | 0.029          | 1.007                | 0.029  |     |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2506.00   | 39750 | Low  | LTE Band 41        | 20                                | 25.2                     | 24.62               | 0.11     | 0    | Right            | Tilt                                            | QPSK    | 1         | 50                         | 01704         | 1:158   | 0.014          | 1.143                | 0.016  |     |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2506.00   | 39750 | Low  | LTE Band 41        | 20                                | 24.2                     | 24.17               | 0.13     | 1    | Right            | Tilt                                            | QPSK    | 50        | 50                         | 01704         | 1:158   | 0.009          | 1.007                | 0.009  |     |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2506.00   | 39750 | Low  | LTE Band 41        | 20                                | 25.2                     | 24.62               | 0.19     | 0    | Left             | Cheek                                           | QPSK    | 1         | 50                         | 01704         | 1:158   | 0.043          | 1.143                | 0.049  |     |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2506.00   | 39750 | Low  | LTE Band 41        | 20                                | 25.2                     | 24.52               | 0.11     | 0    | Left             | Cheek                                           | QPSK    | 1         | 99                         | 01704         | 1:158   | 0.046          | 1.169                | 0.054  |     |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2506.00   | 39750 | Low  | LTE Band 41        | 20                                | 24.2                     | 24.17               | 0.15     | 1    | Left             | Cheek                                           | QPSK    | 50        | 50                         | 01704         | 1:158   | 0.034          | 1.007                | 0.034  |     |
| 1 CC Uplink - Power Class 2                                                                       | N/A                  | 2506.00   | 39750 | Low  | LTE Band 41        | 20                                | 27.7                     | 26.52               | 0.21     | 0    | Left             | Cheek                                           | QPSK    | 1         | 50                         | 01704         | 1:231   | 0.047          | 1.312                | 0.062  |     |
| 1 CC Uplink - Power Class 2                                                                       | N/A                  | 2506.00   | 39750 | Low  | LTE Band 41        | 20                                | 27.7                     | 26.31               | 0.02     | 0    | Left             | Cheek                                           | QPSK    | 1         | 99                         | 01704         | 1:231   | 0.050          | 1.377                | 0.069  | A16 |
| 2 CC Uplink - Power Class 3                                                                       | PCC                  | 2506.00   | 39750 | Low  | LTE Band 41        | 20                                | 25.2                     | 24.40               | -0.02    | 0    | Left             | Cheek                                           | QPSK    | 1         | 99                         | 01704         | 1:158   | 0.038          | 1.202                | 0.046  |     |
|                                                                                                   | SCC                  | 2525.80   | 39948 | Low  |                    |                                   |                          |                     |          |      |                  |                                                 | QPSK    | 1         | 0                          |               |         |                |                      |        |     |
| 2 CC Uplink - Power Class 2                                                                       | PCC                  | 2506.00   | 39750 | Low  | LTE Band 41        | 20                                | 27.7                     | 26.54               | 0.10     | 0    | Left             | Cheek                                           | QPSK    | 1         | 99                         | 01704         | 1:231   | 0.045          | 1.306                | 0.059  |     |
|                                                                                                   | SCC                  | 2525.80   | 39948 | Low  |                    |                                   |                          |                     |          |      |                  |                                                 | QPSK    | 1         | 0                          |               |         |                |                      |        |     |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2506.00   | 39750 | Low  | LTE Band 41        | 20                                | 25.2                     | 24.62               | 0.17     | 0    | Left             | Tilt                                            | QPSK    | 1         | 50                         | 01704         | 1:158   | 0.015          | 1.143                | 0.017  |     |
| 1 CC Uplink - Power Class 3                                                                       | N/A                  | 2506.00   | 39750 | Low  | LTE Band 41        | 20                                | 24.2                     | 24.17               | 0.14     | 1    | Left             | Tilt                                            | QPSK    | 50        | 50                         | 01704         | 1:158   | 0.013          | 1.007                | 0.013  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |                      |           |       |      |                    |                                   |                          |                     |          |      |                  | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |         |           |                            |               |         |                |                      |        |     |

**Table 11-18**  
**NR Band n71 Head SAR**

| MEASUREMENT RESULTS                                                                               |        |      |                 |                             |                       |                  |          |      |               |            |                                                 |           |                      |            |          |                |                          |        |
|---------------------------------------------------------------------------------------------------|--------|------|-----------------|-----------------------------|-----------------------|------------------|----------|------|---------------|------------|-------------------------------------------------|-----------|----------------------|------------|----------|----------------|--------------------------|--------|
| FREQUENCY                                                                                         |        | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Side | Test Position | Modulation | RB Size                                         | RB Offset | Device Serial Number | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) (W/kg) | Plot # |
| MHz                                                                                               | Ch.    |      |                 |                             |                       |                  |          |      |               |            |                                                 |           |                      |            | (W/kg)   |                |                          |        |
| 680.50                                                                                            | 136100 | Mid  | NR Band n71     | 20                          | 25.7                  | 25.36            | 0.03     | 0    | Right         | Cheek      | DFT-S-OFDM QPSK                                 | 1         | 53                   | 01738      | 1.1      | 0.136          | 1.081                    | 0.147  |
| 680.50                                                                                            | 136100 | Mid  | NR Band n71     | 20                          | 25.7                  | 25.46            | 0.08     | 0    | Right         | Cheek      | DFT-S-OFDM QPSK                                 | 50        | 28                   | 01738      | 1.1      | 0.129          | 1.057                    | 0.136  |
| 680.50                                                                                            | 136100 | Mid  | NR Band n71     | 20                          | 24.2                  | 23.91            | -0.12    | 1.5  | Right         | Cheek      | CP-OFDM QPSK                                    | 1         | 1                    | 01738      | 1.1      | 0.079          | 1.069                    | 0.084  |
| 680.50                                                                                            | 136100 | Mid  | NR Band n71     | 20                          | 25.7                  | 25.36            | 0.14     | 0    | Right         | Tilt       | DFT-S-OFDM QPSK                                 | 1         | 53                   | 01738      | 1.1      | 0.053          | 1.081                    | 0.057  |
| 680.50                                                                                            | 136100 | Mid  | NR Band n71     | 20                          | 25.7                  | 25.46            | 0.12     | 0    | Right         | Tilt       | DFT-S-OFDM QPSK                                 | 50        | 28                   | 01738      | 1.1      | 0.049          | 1.057                    | 0.052  |
| 680.50                                                                                            | 136100 | Mid  | NR Band n71     | 20                          | 25.7                  | 25.36            | 0.10     | 0    | Left          | Cheek      | DFT-S-OFDM QPSK                                 | 1         | 53                   | 01738      | 1.1      | 0.130          | 1.081                    | 0.141  |
| 680.50                                                                                            | 136100 | Mid  | NR Band n71     | 20                          | 25.7                  | 25.46            | 0.01     | 0    | Left          | Cheek      | DFT-S-OFDM QPSK                                 | 50        | 28                   | 01738      | 1.1      | 0.125          | 1.057                    | 0.132  |
| 680.50                                                                                            | 136100 | Mid  | NR Band n71     | 20                          | 25.7                  | 25.36            | 0.20     | 0    | Left          | Tilt       | DFT-S-OFDM QPSK                                 | 1         | 53                   | 01738      | 1.1      | 0.047          | 1.081                    | 0.051  |
| 680.50                                                                                            | 136100 | Mid  | NR Band n71     | 20                          | 25.7                  | 25.46            | 0.19     | 0    | Left          | Tilt       | DFT-S-OFDM QPSK                                 | 50        | 28                   | 01738      | 1.1      | 0.047          | 1.057                    | 0.050  |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |        |      |                 |                             |                       |                  |          |      |               |            | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |           |                      |            |          |                |                          |        |

|                                         |                                                                                                                                                                                                |                               |                                                                                       |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       | <br>Proud to be part of  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                             | DUT Type:<br>Portable Handset |                                                                                       | Page 180 of 227                 |



**Table 11-19**  
**NR Band n66 (AWS) Antenna 2 Standalone Head SAR**

| MEASUREMENT RESULTS                      |        |      |                   |                             |                       |                  |          |      |                                         |            |                 |           |                      |            |          |                |                   |        |  |
|------------------------------------------|--------|------|-------------------|-----------------------------|-----------------------|------------------|----------|------|-----------------------------------------|------------|-----------------|-----------|----------------------|------------|----------|----------------|-------------------|--------|--|
| FREQUENCY                                |        | Mode | Bandwidth [MHz]   | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Side | Test Position                           | Modulation | RB Size         | RB Offset | Device Serial Number | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |  |
| MHz                                      | Ch.    |      |                   |                             |                       |                  |          |      |                                         |            |                 |           |                      |            | (W/kg)   |                | (W/kg)            |        |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 25.2                  | 25.19            | 0.14     | 0    | Right                                   | Cheek      | DFT-S-OFDM QPSK | 1         | 108                  | 01738      | 1:1      | 0.178          | 1.002             | 0.178  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 25.2                  | 25.04            | 0.05     | 0    | Right                                   | Cheek      | DFT-S-OFDM QPSK | 108       | 54                   | 01738      | 1:1      | 0.169          | 1.038             | 0.175  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 23.7                  | 23.15            | 0.00     | 1.5  | Right                                   | Cheek      | CP-OFDM QPSK    | 1         | 1                    | 01738      | 1:1      | 0.099          | 1.135             | 0.112  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 25.2                  | 25.19            | 0.02     | 0    | Right                                   | Tilt       | DFT-S-OFDM QPSK | 1         | 108                  | 01738      | 1:1      | 0.064          | 1.002             | 0.064  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 25.2                  | 25.04            | 0.12     | 0    | Right                                   | Tilt       | DFT-S-OFDM QPSK | 108       | 54                   | 01738      | 1:1      | 0.070          | 1.038             | 0.073  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 25.2                  | 25.19            | 0.09     | 0    | Left                                    | Cheek      | DFT-S-OFDM QPSK | 1         | 108                  | 01738      | 1:1      | 0.108          | 1.002             | 0.108  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 25.2                  | 25.04            | -0.05    | 0    | Left                                    | Cheek      | DFT-S-OFDM QPSK | 108       | 54                   | 01738      | 1:1      | 0.100          | 1.038             | 0.104  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 25.2                  | 25.19            | 0.19     | 0    | Left                                    | Tilt       | DFT-S-OFDM QPSK | 1         | 108                  | 01738      | 1:1      | 0.073          | 1.002             | 0.073  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 25.2                  | 25.04            | 0.10     | 0    | Left                                    | Tilt       | DFT-S-OFDM QPSK | 108       | 54                   | 01738      | 1:1      | 0.088          | 1.038             | 0.091  |  |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |        |      |                   |                             |                       |                  |          |      |                                         |            |                 |           |                      |            |          |                |                   |        |  |
| Spatial Peak                             |        |      |                   |                             |                       |                  |          |      | Head                                    |            |                 |           |                      |            |          |                |                   |        |  |
| Uncontrolled Exposure/General Population |        |      |                   |                             |                       |                  |          |      | 1.6 W/kg (mW/g)<br>averaged over 1 gram |            |                 |           |                      |            |          |                |                   |        |  |

**Table 11-20**  
**NR Band n66 (AWS) Antenna 3 Head SAR**

| MEASUREMENT RESULTS                                                                               |        |      |                   |                             |                       |                  |          |      |                                                 |            |                 |           |                      |            |          |                |                   |        |     |
|---------------------------------------------------------------------------------------------------|--------|------|-------------------|-----------------------------|-----------------------|------------------|----------|------|-------------------------------------------------|------------|-----------------|-----------|----------------------|------------|----------|----------------|-------------------|--------|-----|
| FREQUENCY                                                                                         |        | Mode | Bandwidth [MHz]   | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Side | Test Position                                   | Modulation | RB Size         | RB Offset | Device Serial Number | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |     |
| MHz                                                                                               | Ch.    |      |                   |                             |                       |                  |          |      |                                                 |            |                 |           |                      |            | (W/kg)   |                | (W/kg)            |        |     |
| 1745.00                                                                                           | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 25.2                  | 25.08            | 0.01     | 0    | Right                                           | Cheek      | DFT-S-OFDM QPSK | 1         | 108                  | 01738      | 1:1      | 0.235          | 1.028             | 0.242  |     |
| 1745.00                                                                                           | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 25.2                  | 25.08            | 0.15     | 0    | Right                                           | Cheek      | DFT-S-OFDM QPSK | 108       | 54                   | 01738      | 1:1      | 0.247          | 1.028             | 0.254  | A18 |
| 1745.00                                                                                           | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 23.7                  | 23.46            | 0.05     | 1.5  | Right                                           | Cheek      | CP-OFDM QPSK    | 1         | 1                    | 01738      | 1:1      | 0.140          | 1.057             | 0.148  |     |
| 1745.00                                                                                           | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 25.2                  | 25.08            | 0.14     | 0    | Right                                           | Tilt       | DFT-S-OFDM QPSK | 1         | 108                  | 01738      | 1:1      | 0.104          | 1.028             | 0.107  |     |
| 1745.00                                                                                           | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 25.2                  | 25.08            | 0.14     | 0    | Right                                           | Tilt       | DFT-S-OFDM QPSK | 108       | 54                   | 01738      | 1:1      | 0.102          | 1.028             | 0.105  |     |
| 1745.00                                                                                           | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 25.2                  | 25.08            | 0.09     | 0    | Left                                            | Cheek      | DFT-S-OFDM QPSK | 1         | 108                  | 01738      | 1:1      | 0.133          | 1.028             | 0.137  |     |
| 1745.00                                                                                           | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 25.2                  | 25.08            | 0.04     | 0    | Left                                            | Cheek      | DFT-S-OFDM QPSK | 108       | 54                   | 01738      | 1:1      | 0.143          | 1.028             | 0.147  |     |
| 1745.00                                                                                           | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 25.2                  | 25.08            | 0.19     | 0    | Left                                            | Tilt       | DFT-S-OFDM QPSK | 1         | 108                  | 01738      | 1:1      | 0.143          | 1.028             | 0.147  |     |
| 1745.00                                                                                           | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 25.2                  | 25.08            | 0.09     | 0    | Left                                            | Tilt       | DFT-S-OFDM QPSK | 108       | 54                   | 01738      | 1:1      | 0.153          | 1.028             | 0.157  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |        |      |                   |                             |                       |                  |          |      | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |                 |           |                      |            |          |                |                   |        |     |

**Table 11-21**  
**NR Band n25 (PCS) Antenna 2 Standalone Head SAR**

| MEASUREMENT RESULTS                                                                               |        |      |                   |                             |                       |                  |          |      |                                                 |            |                 |           |                      |            |          |                |                   |        |  |
|---------------------------------------------------------------------------------------------------|--------|------|-------------------|-----------------------------|-----------------------|------------------|----------|------|-------------------------------------------------|------------|-----------------|-----------|----------------------|------------|----------|----------------|-------------------|--------|--|
| FREQUENCY                                                                                         |        | Mode | Bandwidth [MHz]   | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Side | Test Position                                   | Modulation | RB Size         | RB Offset | Device Serial Number | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |  |
| MHz                                                                                               | Ch.    |      |                   |                             |                       |                  |          |      |                                                 |            |                 |           |                      |            | (W/kg)   |                | (W/kg)            |        |  |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 25.2                  | 25.01            | 0.15     | 0    | Right                                           | Cheek      | DFT-S-OFDM QPSK | 1         | 108                  | 01720      | 1:1      | 0.105          | 1.045             | 0.110  |  |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 25.2                  | 25.02            | 0.09     | 0    | Right                                           | Cheek      | DFT-S-OFDM QPSK | 108       | 54                   | 01720      | 1:1      | 0.114          | 1.042             | 0.119  |  |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 23.7                  | 23.02            | 0.14     | 1.5  | Right                                           | Cheek      | CP-OFDM QPSK    | 1         | 1                    | 01720      | 1:1      | 0.064          | 1.169             | 0.075  |  |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 25.2                  | 25.01            | 0.21     | 0    | Right                                           | Tilt       | DFT-S-OFDM QPSK | 1         | 108                  | 01720      | 1:1      | 0.055          | 1.045             | 0.057  |  |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 25.2                  | 25.02            | 0.17     | 0    | Right                                           | Tilt       | DFT-S-OFDM QPSK | 108       | 54                   | 01720      | 1:1      | 0.050          | 1.042             | 0.052  |  |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 25.2                  | 25.01            | 0.06     | 0    | Left                                            | Cheek      | DFT-S-OFDM QPSK | 1         | 108                  | 01720      | 1:1      | 0.092          | 1.045             | 0.096  |  |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 25.2                  | 25.02            | 0.12     | 0    | Left                                            | Cheek      | DFT-S-OFDM QPSK | 108       | 54                   | 01720      | 1:1      | 0.093          | 1.042             | 0.097  |  |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 25.2                  | 25.01            | 0.16     | 0    | Left                                            | Tilt       | DFT-S-OFDM QPSK | 1         | 108                  | 01720      | 1:1      | 0.061          | 1.045             | 0.064  |  |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 25.2                  | 25.02            | 0.12     | 0    | Left                                            | Tilt       | DFT-S-OFDM QPSK | 108       | 54                   | 01720      | 1:1      | 0.065          | 1.042             | 0.068  |  |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |        |      |                   |                             |                       |                  |          |      | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |                 |           |                      |            |          |                |                   |        |  |

|                                         |                                                                                                                                                                                                |                               |                                                                                       |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       | <br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                             | DUT Type:<br>Portable Handset |                                                                                       | Page 181 of 227                 |

**Table 11-22**  
**NR Band n25 (PCS) Antenna 3 Head SAR**

| MEASUREMENT RESULTS                                                                               |        |      |                   |                             |                       |                  |          |      |                                                 |            |                 |           |                      |            |          |                |                   |        |     |
|---------------------------------------------------------------------------------------------------|--------|------|-------------------|-----------------------------|-----------------------|------------------|----------|------|-------------------------------------------------|------------|-----------------|-----------|----------------------|------------|----------|----------------|-------------------|--------|-----|
| FREQUENCY                                                                                         |        | Mode | Bandwidth [MHz]   | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Side | Test Position                                   | Modulation | RB Size         | RB Offset | Device Serial Number | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |     |
| MHz                                                                                               | Ch.    |      |                   |                             |                       |                  |          |      |                                                 |            |                 |           |                      |            | (W/kg)   |                | (W/kg)            |        |     |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 25.2                  | 25.16            | 0.15     | 0    | Right                                           | Cheek      | DFT-S-OFDM QPSK | 1         | 108                  | 01720      | 1:1      | 0.345          | 1.009             | 0.348  |     |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 25.2                  | 25.17            | 0.07     | 0    | Right                                           | Cheek      | DFT-S-OFDM QPSK | 108       | 54                   | 01720      | 1:1      | 0.348          | 1.007             | 0.350  | A19 |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 23.7                  | 23.42            | 0.10     | 1.5  | Right                                           | Cheek      | CP-OFDM QPSK    | 1         | 1                    | 01720      | 1:1      | 0.245          | 1.067             | 0.261  |     |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 25.2                  | 25.16            | 0.02     | 0    | Right                                           | Tilt       | DFT-S-OFDM QPSK | 1         | 108                  | 01720      | 1:1      | 0.137          | 1.009             | 0.138  |     |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 25.2                  | 25.17            | 0.12     | 0    | Right                                           | Tilt       | DFT-S-OFDM QPSK | 108       | 54                   | 01720      | 1:1      | 0.146          | 1.007             | 0.147  |     |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 25.2                  | 25.16            | 0.09     | 0    | Left                                            | Cheek      | DFT-S-OFDM QPSK | 1         | 108                  | 01720      | 1:1      | 0.173          | 1.009             | 0.175  |     |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 25.2                  | 25.17            | 0.10     | 0    | Left                                            | Cheek      | DFT-S-OFDM QPSK | 108       | 54                   | 01720      | 1:1      | 0.186          | 1.007             | 0.187  |     |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 25.2                  | 25.16            | -0.18    | 0    | Left                                            | Tilt       | DFT-S-OFDM QPSK | 1         | 108                  | 01720      | 1:1      | 0.181          | 1.009             | 0.183  |     |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 25.2                  | 25.17            | 0.01     | 0    | Left                                            | Tilt       | DFT-S-OFDM QPSK | 108       | 54                   | 01720      | 1:1      | 0.188          | 1.007             | 0.189  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |        |      |                   |                             |                       |                  |          |      | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |                 |           |                      |            |          |                |                   |        |     |

**Table 11-23**  
**NR Band n41 Head SAR**

| MEASUREMENT RESULTS                                                                               |        |      |                 |                             |                       |                  |          |      |                                                 |            |                 |           |                      |                |          |                             |                             |                   |        |     |
|---------------------------------------------------------------------------------------------------|--------|------|-----------------|-----------------------------|-----------------------|------------------|----------|------|-------------------------------------------------|------------|-----------------|-----------|----------------------|----------------|----------|-----------------------------|-----------------------------|-------------------|--------|-----|
| FREQUENCY                                                                                         |        | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Side | Test Position                                   | Modulation | RB Size         | RB Offset | Device Serial Number | Duty Cycle (%) | SAR (1g) | Scaling Factor (Cond Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) | Plot # |     |
| MHz                                                                                               | Ch.    |      |                 |                             |                       |                  |          |      |                                                 |            |                 |           |                      |                | (W/kg)   |                             |                             | (W/kg)            |        |     |
| 2592.99                                                                                           | 518598 | Mid  | NR Band n41     | 100                         | 27.7                  | 27.61            | -0.09    | 0    | Right                                           | Cheek      | DFT-S-OFDM QPSK | 1         | 137                  | 01738          | 21.43    | 0.090                       | 1.021                       | 1.010             | 0.093  |     |
| 2592.99                                                                                           | 518598 | Mid  | NR Band n41     | 100                         | 27.7                  | 27.58            | -0.09    | 0    | Right                                           | Cheek      | DFT-S-OFDM QPSK | 135       | 69                   | 01738          | 21.43    | 0.101                       | 1.028                       | 1.010             | 0.105  |     |
| 2592.99                                                                                           | 518598 | Mid  | NR Band n41     | 100                         | 27.7                  | 27.61            | -0.21    | 0    | Right                                           | Tilt       | DFT-S-OFDM QPSK | 1         | 137                  | 01738          | 21.43    | 0.025                       | 1.021                       | 1.010             | 0.026  |     |
| 2592.99                                                                                           | 518598 | Mid  | NR Band n41     | 100                         | 27.7                  | 27.58            | 0.12     | 0    | Right                                           | Tilt       | DFT-S-OFDM QPSK | 135       | 69                   | 01738          | 21.43    | 0.037                       | 1.028                       | 1.010             | 0.038  |     |
| 2592.99                                                                                           | 518598 | Mid  | NR Band n41     | 100                         | 27.7                  | 27.61            | 0.08     | 0    | Left                                            | Cheek      | DFT-S-OFDM QPSK | 1         | 137                  | 01738          | 21.43    | 0.087                       | 1.021                       | 1.010             | 0.090  |     |
| 2592.99                                                                                           | 518598 | Mid  | NR Band n41     | 100                         | 27.7                  | 27.58            | 0.12     | 0    | Left                                            | Cheek      | DFT-S-OFDM QPSK | 135       | 69                   | 01738          | 21.43    | 0.118                       | 1.028                       | 1.010             | 0.122  | A20 |
| 2592.99                                                                                           | 518598 | Mid  | NR Band n41     | 100                         | 26.2                  | 26.08            | -0.04    | 1.5  | Left                                            | Cheek      | CP-OFDM QPSK    | 1         | 1                    | 01738          | 21.43    | 0.080                       | 1.028                       | 1.010             | 0.083  |     |
| 2592.99                                                                                           | 518598 | Mid  | NR Band n41     | 100                         | 27.7                  | 27.61            | -0.12    | 0    | Left                                            | Tilt       | DFT-S-OFDM QPSK | 1         | 137                  | 01738          | 21.43    | 0.056                       | 1.021                       | 1.010             | 0.058  |     |
| 2592.99                                                                                           | 518598 | Mid  | NR Band n41     | 100                         | 27.7                  | 27.58            | 0.04     | 0    | Left                                            | Tilt       | DFT-S-OFDM QPSK | 135       | 69                   | 01738          | 21.43    | 0.062                       | 1.028                       | 1.010             | 0.064  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |        |      |                 |                             |                       |                  |          |      | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |                 |           |                      |                |          |                             |                             |                   |        |     |

Note: The reported SAR was scaled to the 23.57% transmission duty factor to determine compliance since the duty factor of the device is permanently limited to 23.57% per the manufacturer.

**Table 11-24**  
**DTS Head SAR**

| MEASUREMENT RESULTS                                                                               |     |         |         |                 |                             |                       |                  |       |                                                 |                 |                      |                  |                |                       |          |                        |                             |                   |        |
|---------------------------------------------------------------------------------------------------|-----|---------|---------|-----------------|-----------------------------|-----------------------|------------------|-------|-------------------------------------------------|-----------------|----------------------|------------------|----------------|-----------------------|----------|------------------------|-----------------------------|-------------------|--------|
| FREQUENCY                                                                                         |     | Mode    | Service | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Side  | Test Position                                   | Antenna Config. | Device Serial Number | Data Rate (Mbps) | Duty Cycle (%) | Peak SAR of Area Scan | SAR (1g) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) | Plot # |
| MHz                                                                                               | Ch. |         |         |                 |                             |                       |                  |       |                                                 |                 |                      |                  |                | W/kg                  | (W/kg)   |                        |                             | (W/kg)            |        |
| 2437                                                                                              | 6   | 802.11b | DSSS    | 22              | 16.0                        | 15.80                 | 0.18             | Right | Cheek                                           | 1               | 04732                | 1                | 99.7           | 0.534                 | 0.338    | 1.047                  | 1.003                       | 0.355             | A21    |
| 2437                                                                                              | 6   | 802.11b | DSSS    | 22              | 16.0                        | 15.80                 | -0.17            | Right | Tilt                                            | 1               | 04732                | 1                | 99.7           | 0.254                 | -        | 1.047                  | 1.003                       | -                 |        |
| 2437                                                                                              | 6   | 802.11b | DSSS    | 22              | 16.0                        | 15.80                 | 0.15             | Left  | Cheek                                           | 1               | 04732                | 1                | 99.7           | 0.118                 | -        | 1.047                  | 1.003                       | -                 |        |
| 2437                                                                                              | 6   | 802.11b | DSSS    | 22              | 16.0                        | 15.80                 | -0.10            | Left  | Tilt                                            | 1               | 04732                | 1                | 99.7           | 0.100                 | -        | 1.047                  | 1.003                       | -                 |        |
| 2412                                                                                              | 1   | 802.11b | DSSS    | 22              | 16.0                        | 15.86                 | -0.04            | Right | Cheek                                           | 2               | 04732                | 1                | 99.7           | 0.468                 | 0.334    | 1.033                  | 1.003                       | 0.346             |        |
| 2412                                                                                              | 1   | 802.11b | DSSS    | 22              | 16.0                        | 15.86                 | 0.06             | Right | Tilt                                            | 2               | 04732                | 1                | 99.7           | 0.348                 | 0.284    | 1.033                  | 1.003                       | 0.294             |        |
| 2412                                                                                              | 1   | 802.11b | DSSS    | 22              | 16.0                        | 15.86                 | -0.17            | Left  | Cheek                                           | 2               | 04732                | 1                | 99.7           | 0.254                 | -        | 1.033                  | 1.003                       | -                 |        |
| 2412                                                                                              | 1   | 802.11b | DSSS    | 22              | 16.0                        | 15.86                 | 0.16             | Left  | Tilt                                            | 2               | 04732                | 1                | 99.7           | 0.275                 | -        | 1.033                  | 1.003                       | -                 |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |     |         |         |                 |                             |                       |                  |       | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                 |                      |                  |                |                       |          |                        |                             |                   |        |

|                                         |                                                                                     |                               |  |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|--|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |  | Page 182 of 227                                                                       |                                 |

**Table 11-25  
NII Head SAR**

| MEASUREMENT RESULTS                                                                               |     |         |         |                 |                             |                       |                  |                                                 |               |                 |                            |                      |                  |                |                       |          |                        |                             |                   |        |
|---------------------------------------------------------------------------------------------------|-----|---------|---------|-----------------|-----------------------------|-----------------------|------------------|-------------------------------------------------|---------------|-----------------|----------------------------|----------------------|------------------|----------------|-----------------------|----------|------------------------|-----------------------------|-------------------|--------|
| FREQUENCY                                                                                         |     | Mode    | Service | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Side                                            | Test Position | Antenna Config. | Dual Display Configuration | Device Serial Number | Data Rate (Mbps) | Duty Cycle (%) | Peak SAR of Area Scan | SAR (1g) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) | Plot # |
| MHz                                                                                               | Ch. |         |         |                 |                             |                       |                  |                                                 |               |                 |                            |                      |                  |                | W/kg                  | (W/kg)   | (W/kg)                 | (W/kg)                      |                   |        |
| 5280                                                                                              | 56  | 802.11a | OFDM    | 20              | 17.0                        | 16.91                 | 0.06             | Right                                           | Cheek         | 1               | -                          | 01498                | 6                | 97.6           | 0.682                 | 0.256    | 1.021                  | 1.025                       | 0.268             |        |
| 5280                                                                                              | 56  | 802.11a | OFDM    | 20              | 17.0                        | 16.91                 | 0.16             | Right                                           | Tilt          | 1               | -                          | 01498                | 6                | 97.6           | 0.487                 | -        | 1.021                  | 1.025                       | -                 |        |
| 5280                                                                                              | 56  | 802.11a | OFDM    | 20              | 17.0                        | 16.91                 | -0.05            | Left                                            | Cheek         | 1               | -                          | 01498                | 6                | 97.6           | 0.394                 | -        | 1.021                  | 1.025                       | -                 |        |
| 5280                                                                                              | 56  | 802.11a | OFDM    | 20              | 17.0                        | 16.91                 | 0.14             | Left                                            | Tilt          | 1               | -                          | 01498                | 6                | 97.6           | 0.394                 | -        | 1.021                  | 1.025                       | -                 |        |
| 5280                                                                                              | 56  | 802.11a | OFDM    | 20              | 17.0                        | 16.90                 | 0.11             | Right                                           | Cheek         | 2               | -                          | 01498                | 6                | 97.8           | 0.736                 | 0.336    | 1.023                  | 1.022                       | 0.351             |        |
| 5280                                                                                              | 56  | 802.11a | OFDM    | 20              | 17.0                        | 16.90                 | 0.10             | Right                                           | Tilt          | 2               | -                          | 01498                | 6                | 97.8           | 0.675                 | -        | 1.023                  | 1.022                       | -                 |        |
| 5280                                                                                              | 56  | 802.11a | OFDM    | 20              | 17.0                        | 16.90                 | 0.12             | Left                                            | Cheek         | 2               | -                          | 01498                | 6                | 97.8           | 0.521                 | -        | 1.023                  | 1.022                       | -                 |        |
| 5280                                                                                              | 56  | 802.11a | OFDM    | 20              | 17.0                        | 16.90                 | 0.15             | Left                                            | Tilt          | 2               | -                          | 01498                | 6                | 97.8           | 0.422                 | -        | 1.023                  | 1.022                       | -                 |        |
| 5630                                                                                              | 126 | 802.11n | OFDM    | 40              | 15.0                        | 14.85                 | 0.19             | Right                                           | Cheek         | 1               | -                          | 01498                | 13.5             | 95.0           | 0.078                 | -        | 1.035                  | 1.053                       | -                 |        |
| 5630                                                                                              | 126 | 802.11n | OFDM    | 40              | 15.0                        | 14.85                 | 0.15             | Right                                           | Tilt          | 1               | -                          | 01498                | 13.5             | 95.0           | 0.079                 | 0.041    | 1.035                  | 1.053                       | 0.045             |        |
| 5630                                                                                              | 126 | 802.11n | OFDM    | 40              | 15.0                        | 14.85                 | 0.16             | Left                                            | Cheek         | 1               | -                          | 01498                | 13.5             | 95.0           | 0.061                 | -        | 1.035                  | 1.053                       | -                 |        |
| 5630                                                                                              | 126 | 802.11n | OFDM    | 40              | 15.0                        | 14.85                 | 0.12             | Left                                            | Tilt          | 1               | -                          | 01498                | 13.5             | 95.0           | 0.074                 | -        | 1.035                  | 1.053                       | -                 |        |
| 5550                                                                                              | 110 | 802.11n | OFDM    | 40              | 15.0                        | 14.94                 | 0.12             | Right                                           | Cheek         | 2               | -                          | 01498                | 13.5             | 95.2           | 0.522                 | 0.199    | 1.014                  | 1.050                       | 0.212             |        |
| 5550                                                                                              | 110 | 802.11n | OFDM    | 40              | 15.0                        | 14.94                 | 0.17             | Right                                           | Tilt          | 2               | -                          | 01498                | 13.5             | 95.2           | 0.444                 | -        | 1.014                  | 1.050                       | -                 |        |
| 5550                                                                                              | 110 | 802.11n | OFDM    | 40              | 15.0                        | 14.94                 | 0.15             | Left                                            | Cheek         | 2               | -                          | 01498                | 13.5             | 95.2           | 0.302                 | -        | 1.014                  | 1.050                       | -                 |        |
| 5550                                                                                              | 110 | 802.11n | OFDM    | 40              | 15.0                        | 14.94                 | 0.19             | Left                                            | Tilt          | 2               | -                          | 01498                | 13.5             | 95.2           | 0.291                 | -        | 1.014                  | 1.050                       | -                 |        |
| 5825                                                                                              | 165 | 802.11a | OFDM    | 20              | 17.0                        | 16.72                 | 0.12             | Right                                           | Cheek         | 1               | -                          | 01498                | 6                | 97.6           | 0.226                 | -        | 1.067                  | 1.025                       | -                 |        |
| 5825                                                                                              | 165 | 802.11a | OFDM    | 20              | 17.0                        | 16.72                 | 0.18             | Right                                           | Tilt          | 1               | -                          | 01498                | 6                | 97.6           | 0.250                 | 0.122    | 1.067                  | 1.025                       | 0.133             |        |
| 5825                                                                                              | 165 | 802.11a | OFDM    | 20              | 17.0                        | 16.72                 | 0.14             | Left                                            | Cheek         | 1               | -                          | 01498                | 6                | 97.6           | 0.176                 | -        | 1.067                  | 1.025                       | -                 |        |
| 5825                                                                                              | 165 | 802.11a | OFDM    | 20              | 17.0                        | 16.72                 | 0.12             | Left                                            | Tilt          | 1               | -                          | 01498                | 6                | 97.6           | 0.195                 | -        | 1.067                  | 1.025                       | -                 |        |
| 5785                                                                                              | 157 | 802.11a | OFDM    | 20              | 17.0                        | 16.80                 | -0.01            | Right                                           | Cheek         | 2               | -                          | 01498                | 6                | 97.8           | 0.797                 | 0.369    | 1.047                  | 1.022                       | 0.395             |        |
| 5785                                                                                              | 157 | 802.11a | OFDM    | 20              | 17.0                        | 16.80                 | 0.13             | Right                                           | Cheek         | 2               | 1                          | 01498                | 6                | 97.8           | 0.050                 | 0.014    | 1.047                  | 1.022                       | 0.015             |        |
| 5785                                                                                              | 157 | 802.11a | OFDM    | 20              | 17.0                        | 16.80                 | -0.17            | Right                                           | Cheek         | 2               | 3                          | 01498                | 6                | 97.8           | 0.314                 | 0.428    | 1.047                  | 1.022                       | 0.458             | A22    |
| 5785                                                                                              | 157 | 802.11a | OFDM    | 20              | 17.0                        | 16.80                 | 0.04             | Right                                           | Tilt          | 2               | -                          | 01498                | 6                | 97.8           | 0.599                 | -        | 1.047                  | 1.022                       | -                 |        |
| 5785                                                                                              | 157 | 802.11a | OFDM    | 20              | 17.0                        | 16.80                 | 0.19             | Left                                            | Cheek         | 2               | -                          | 01498                | 6                | 97.8           | 0.593                 | -        | 1.047                  | 1.022                       | -                 |        |
| 5785                                                                                              | 157 | 802.11a | OFDM    | 20              | 17.0                        | 16.80                 | 0.11             | Left                                            | Tilt          | 2               | -                          | 01498                | 6                | 97.8           | 0.567                 | -        | 1.047                  | 1.022                       | -                 |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |     |         |         |                 |                             |                       |                  | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |               |                 |                            |                      |                  |                |                       |          |                        |                             |                   |        |

Note: 1) Green entries represent additional Head SAR Position (DD #1: 0 degrees) 2) Light orange entries represent additional Head SAR Position (DD #3: 360 degrees)

**Table 11-26  
DSS Head SAR**

| MEASUREMENT RESULTS                                                                               |     |           |         |                             |                       |                  |       |                                                 |                      |                  |                |          |                             |                             |                   |        |
|---------------------------------------------------------------------------------------------------|-----|-----------|---------|-----------------------------|-----------------------|------------------|-------|-------------------------------------------------|----------------------|------------------|----------------|----------|-----------------------------|-----------------------------|-------------------|--------|
| FREQUENCY                                                                                         |     | Mode      | Service | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Side  | Test Position                                   | Device Serial Number | Data Rate (Mbps) | Duty Cycle (%) | SAR (1g) | Scaling Factor (Cond Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) | Plot # |
| MHz                                                                                               | Ch. |           |         |                             |                       |                  |       |                                                 |                      |                  |                | (W/kg)   |                             |                             | (W/kg)            |        |
| 2441.00                                                                                           | 39  | Bluetooth | FHSS    | 11.0                        | 10.38                 | -0.05            | Right | Cheek                                           | 01456                | 1                | 77.1           | 0.038    | 1.153                       | 1.297                       | 0.057             | A23    |
| 2441.00                                                                                           | 39  | Bluetooth | FHSS    | 11.0                        | 10.38                 | -0.14            | Right | Tilt                                            | 01456                | 1                | 77.1           | 0.020    | 1.153                       | 1.297                       | 0.030             |        |
| 2441.00                                                                                           | 39  | Bluetooth | FHSS    | 11.0                        | 10.38                 | -0.15            | Left  | Cheek                                           | 01456                | 1                | 77.1           | 0.010    | 1.153                       | 1.297                       | 0.015             |        |
| 2441.00                                                                                           | 39  | Bluetooth | FHSS    | 11.0                        | 10.38                 | 0.03             | Left  | Tilt                                            | 01456                | 1                | 77.1           | 0.005    | 1.153                       | 1.297                       | 0.007             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |     |           |         |                             |                       |                  |       | Head<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                      |                  |                |          |                             |                             |                   |        |

|                                                |                                                                                                                                                                                                |                                      |                                                                                       |                                        |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              | <br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                      | <b>DUT Type:</b><br>Portable Handset |                                                                                       | Page 183 of 227                        |

## 11.2 Standalone Body-Worn SAR Data

**Table 11-27**  
**GSM/UMTS/CDMA Body-Worn SAR Data**

| MEASUREMENT RESULTS                      |      |                  |             |                             |                       |                  |                      |                      |                 |            |      |          |                |                   |        |
|------------------------------------------|------|------------------|-------------|-----------------------------|-----------------------|------------------|----------------------|----------------------|-----------------|------------|------|----------|----------------|-------------------|--------|
| FREQUENCY                                |      | Mode             | Service     | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Spacing              | Device Serial Number | # of Time Slots | Duty Cycle | Side | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |
| MHz                                      | Ch.  |                  |             |                             |                       |                  |                      |                      |                 |            |      | (W/kg)   |                | (W/kg)            |        |
| 820.10                                   | 564  | CDMA BC10 (S90S) | TDSO / SO32 | 24.7                        | 24.34                 | -0.12            | 10 mm                | 01688                | N/A             | 1:1        | back | 0.308    | 1.086          | 0.334             | A24    |
| 836.52                                   | 384  | CDMA BC0 (S22H)  | TDSO / SO32 | 24.7                        | 24.58                 | -0.06            | 10 mm                | 01688                | N/A             | 1:1        | back | 0.493    | 1.028          | 0.507             | A26    |
| 1851.25                                  | 25   | PCS CDMA         | TDSO / SO32 | 24.7                        | 24.40                 | 0.18             | 10 mm                | 01670                | N/A             | 1:1        | back | 0.661    | 1.072          | 0.709             |        |
| 1880.00                                  | 600  | PCS CDMA         | TDSO / SO32 | 24.7                        | 24.50                 | -0.12            | 10 mm                | 01670                | N/A             | 1:1        | back | 0.585    | 1.047          | 0.612             |        |
| 1908.75                                  | 1175 | PCS CDMA         | TDSO / SO32 | 24.7                        | 24.38                 | 0.04             | 10 mm                | 01670                | N/A             | 1:1        | back | 0.677    | 1.076          | 0.728             | A28    |
| 836.60                                   | 190  | GSM 850          | GSM         | 33.7                        | 33.24                 | -0.03            | 10 mm                | 01688                | 1               | 1:8.3      | back | 0.471    | 1.112          | 0.524             |        |
| 824.20                                   | 128  | GSM 850          | GPRS        | 29.2                        | 28.95                 | -0.01            | 10 mm                | 01688                | 4               | 1:2.076    | back | 0.579    | 1.059          | 0.613             |        |
| 836.60                                   | 190  | GSM 850          | GPRS        | 29.2                        | 29.01                 | 0.00             | 10 mm                | 01688                | 4               | 1:2.076    | back | 0.574    | 1.045          | 0.600             |        |
| 848.80                                   | 251  | GSM 850          | GPRS        | 29.2                        | 29.09                 | -0.01            | 10 mm                | 01688                | 4               | 1:2.076    | back | 0.645    | 1.026          | 0.662             | A30    |
| 1880.00                                  | 661  | GSM 1900         | GSM         | 30.7                        | 30.70                 | 0.08             | 10 mm                | 01670                | 1               | 1:8.3      | back | 0.274    | 1.000          | 0.274             |        |
| 1880.00                                  | 661  | GSM 1900         | GPRS        | 27.2                        | 27.16                 | 0.07             | 10 mm                | 01670                | 3               | 1:2.76     | back | 0.342    | 1.009          | 0.345             | A31    |
| 836.60                                   | 4183 | UMTS 850         | RMC         | 24.7                        | 24.41                 | 0.00             | 10 mm                | 01688                | N/A             | 1:1        | back | 0.519    | 1.069          | 0.555             | A33    |
| 1712.40                                  | 1312 | UMTS 1750        | RMC         | 24.7                        | 24.70                 | 0.08             | 10 mm                | 01670                | N/A             | 1:1        | back | 0.831    | 1.000          | 0.831             |        |
| 1732.40                                  | 1412 | UMTS 1750        | RMC         | 24.7                        | 24.69                 | 0.08             | 10 mm                | 01670                | N/A             | 1:1        | back | 0.845    | 1.002          | 0.847             |        |
| 1752.60                                  | 1513 | UMTS 1750        | RMC         | 24.7                        | 24.68                 | 0.00             | 10 mm                | 01670                | N/A             | 1:1        | back | 0.903    | 1.005          | 0.908             | A34    |
| 1852.40                                  | 9262 | UMTS 1900        | RMC         | 24.7                        | 24.66                 | 0.08             | 10 mm                | 01670                | N/A             | 1:1        | back | 0.696    | 1.009          | 0.702             | A36    |
| 1880.00                                  | 9400 | UMTS 1900        | RMC         | 24.7                        | 24.65                 | 0.05             | 10 mm                | 01670                | N/A             | 1:1        | back | 0.635    | 1.012          | 0.643             |        |
| 1907.60                                  | 9538 | UMTS 1900        | RMC         | 24.7                        | 24.70                 | 0.05             | 10 mm                | 01670                | N/A             | 1:1        | back | 0.655    | 1.000          | 0.655             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |      |                  |             |                             |                       |                  |                      |                      |                 |            |      |          |                |                   |        |
| Spatial Peak                             |      |                  |             |                             |                       |                  | Body                 |                      |                 |            |      |          |                |                   |        |
| Uncontrolled Exposure/General Population |      |                  |             |                             |                       |                  | 1.6 W/kg (mW/g)      |                      |                 |            |      |          |                |                   |        |
|                                          |      |                  |             |                             |                       |                  | averaged over 1 gram |                      |                 |            |      |          |                |                   |        |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 184 of 227                 |

**Table 11-28**  
**LTE Body-Worn SAR**

| MEASUREMENT RESULTS                                                                               |        |        |                    |                 |                             |                       |                  |          |                                                 |            |         |           |         |      |            |          |                |                   |        |
|---------------------------------------------------------------------------------------------------|--------|--------|--------------------|-----------------|-----------------------------|-----------------------|------------------|----------|-------------------------------------------------|------------|---------|-----------|---------|------|------------|----------|----------------|-------------------|--------|
| FREQUENCY                                                                                         |        |        | Mode               | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Device Serial Number                            | Modulation | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |
| MHz                                                                                               | Ch.    | (W/kg) |                    |                 |                             |                       |                  |          |                                                 |            |         |           |         |      |            | (W/kg)   |                |                   |        |
| 680.50                                                                                            | 133297 | Mid    | LTE Band 71        | 20              | 25.5                        | 25.44                 | 0.01             | 0        | 01696                                           | QPSK       | 1       | 50        | 10 mm   | back | 1:1        | 0.310    | 1.014          | 0.314             | A38    |
| 680.50                                                                                            | 133297 | Mid    | LTE Band 71        | 20              | 24.5                        | 24.34                 | 0.00             | 1        | 01696                                           | QPSK       | 50      | 25        | 10 mm   | back | 1:1        | 0.243    | 1.038          | 0.252             |        |
| 707.50                                                                                            | 23095  | Mid    | LTE Band 12        | 10              | 25.5                        | 25.46                 | -0.05            | 0        | 01696                                           | QPSK       | 1       | 25        | 10 mm   | back | 1:1        | 0.304    | 1.009          | 0.307             | A39    |
| 707.50                                                                                            | 23095  | Mid    | LTE Band 12        | 10              | 24.5                        | 24.49                 | -0.02            | 1        | 01696                                           | QPSK       | 25      | 25        | 10 mm   | back | 1:1        | 0.273    | 1.002          | 0.274             |        |
| 782.00                                                                                            | 23230  | Mid    | LTE Band 13        | 10              | 25.5                        | 25.22                 | -0.15            | 0        | 01696                                           | QPSK       | 1       | 0         | 10 mm   | back | 1:1        | 0.330    | 1.067          | 0.352             | A40    |
| 782.00                                                                                            | 23230  | Mid    | LTE Band 13        | 10              | 24.5                        | 24.34                 | 0.05             | 1        | 01696                                           | QPSK       | 25      | 12        | 10 mm   | back | 1:1        | 0.269    | 1.038          | 0.279             |        |
| 831.50                                                                                            | 26865  | Mid    | LTE Band 26 (Cell) | 15              | 25.5                        | 25.13                 | -0.02            | 0        | 01712                                           | QPSK       | 1       | 36        | 10 mm   | back | 1:1        | 0.468    | 1.089          | 0.510             | A41    |
| 831.50                                                                                            | 26865  | Mid    | LTE Band 26 (Cell) | 15              | 24.5                        | 24.23                 | -0.04            | 1        | 01712                                           | QPSK       | 36      | 0         | 10 mm   | back | 1:1        | 0.400    | 1.064          | 0.426             |        |
| 1720.00                                                                                           | 132072 | Low    | LTE Band 66 (AWS)  | 20              | 25.2                        | 25.06                 | 0.16             | 0        | 01696                                           | QPSK       | 1       | 50        | 10 mm   | back | 1:1        | 0.961    | 1.033          | 0.993             |        |
| 1745.00                                                                                           | 132322 | Mid    | LTE Band 66 (AWS)  | 20              | 25.2                        | 24.91                 | 0.06             | 0        | 01696                                           | QPSK       | 1       | 50        | 10 mm   | back | 1:1        | 1.010    | 1.069          | 1.080             | A42    |
| 1770.00                                                                                           | 132572 | High   | LTE Band 66 (AWS)  | 20              | 25.2                        | 25.10                 | -0.20            | 0        | 01696                                           | QPSK       | 1       | 0         | 10 mm   | back | 1:1        | 0.950    | 1.023          | 0.972             |        |
| 1770.00                                                                                           | 132572 | High   | LTE Band 66 (AWS)  | 20              | 24.2                        | 24.08                 | -0.17            | 1        | 01696                                           | QPSK       | 50      | 0         | 10 mm   | back | 1:1        | 0.777    | 1.028          | 0.799             |        |
| 1745.00                                                                                           | 132322 | Mid    | LTE Band 66 (AWS)  | 20              | 24.2                        | 24.00                 | 0.13             | 1        | 01696                                           | QPSK       | 100     | 0         | 10 mm   | back | 1:1        | 0.781    | 1.047          | 0.818             |        |
| 1905.00                                                                                           | 26590  | High   | LTE Band 25 (PCS)  | 20              | 25.2                        | 25.17                 | 0.05             | 0        | 01704                                           | QPSK       | 1       | 50        | 10 mm   | back | 1:1        | 0.580    | 1.007          | 0.584             | A44    |
| 1905.00                                                                                           | 26590  | High   | LTE Band 25 (PCS)  | 20              | 24.2                        | 24.07                 | 0.10             | 1        | 01704                                           | QPSK       | 50      | 0         | 10 mm   | back | 1:1        | 0.503    | 1.030          | 0.518             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |        |        |                    |                 |                             |                       |                  |          | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |         |           |         |      |            |          |                |                   |        |

**Table 11-29**  
**LTE Body-Worn SAR – Ant 3**

| MEASUREMENT RESULTS                                                                               |        |      |                   |                             |                       |                  |          |                      |                                                 |         |           |         |       |            |          |                |                   |        |     |
|---------------------------------------------------------------------------------------------------|--------|------|-------------------|-----------------------------|-----------------------|------------------|----------|----------------------|-------------------------------------------------|---------|-----------|---------|-------|------------|----------|----------------|-------------------|--------|-----|
| FREQUENCY                                                                                         |        | Mode | Bandwidth [MHz]   | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Device Serial Number | Modulation                                      | RB Size | RB Offset | Spacing | Side  | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |     |
| MHz                                                                                               | Ch.    |      |                   |                             |                       |                  |          |                      |                                                 |         |           |         |       |            | (W/kg)   |                | (W/kg)            |        |     |
| 1745.00                                                                                           | 132322 | Mid  | LTE Band 66 (AWS) | 20                          | 23.5                  | 23.50            | -0.04    | 0                    | 01704                                           | QPSK    | 1         | 50      | 10 mm | back       | 1:1      | 0.352          | 1.000             | 0.352  |     |
| 1745.00                                                                                           | 132322 | Mid  | LTE Band 66 (AWS) | 20                          | 22.5                  | 22.50            | -0.05    | 1                    | 01704                                           | QPSK    | 50        | 0       | 10 mm | back       | 1:1      | 0.285          | 1.000             | 0.285  |     |
| 1900.00                                                                                           | 19100  | High | LTE Band 2 (PCS)  | 20                          | 23.5                  | 23.50            | 0.04     | 0                    | 01704                                           | QPSK    | 1         | 50      | 10 mm | back       | 1:1      | 0.403          | 1.000             | 0.403  | A46 |
| 1900.00                                                                                           | 19100  | High | LTE Band 2 (PCS)  | 20                          | 22.5                  | 22.38            | 0.12     | 1                    | 01704                                           | QPSK    | 50        | 25      | 10 mm | back       | 1:1      | 0.330          | 1.028             | 0.339  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |        |      |                   |                             |                       |                  |          |                      | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |         |           |         |       |            |          |                |                   |        |     |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 185 of 227                 |

**Table 11-30**  
**LTE B41 Body-Worn SAR**

| MEASUREMENT RESULTS                                   |                   |           |       |     |             |                 |                             |                       |                  |                                                 |                      |            |         |           |         |      |            |          |                |                   |        |
|-------------------------------------------------------|-------------------|-----------|-------|-----|-------------|-----------------|-----------------------------|-----------------------|------------------|-------------------------------------------------|----------------------|------------|---------|-----------|---------|------|------------|----------|----------------|-------------------|--------|
| 1 CC Uplink   2 CC Uplink, Power Class                | Component Carrier | FREQUENCY |       |     | Mode        | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB]                                        | Device Serial Number | Modulation | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |
|                                                       |                   | MHz       | Ch.   | Low |             |                 |                             |                       |                  |                                                 |                      |            |         |           |         |      |            | (W/kg)   |                | (W/kg)            |        |
| 1 CC Uplink - Power Class 3                           | N/A               | 2506.00   | 39750 | Low | LTE Band 41 | 20              | 25.2                        | 24.62                 | -0.20            | 0                                               | 01712                | QPSK       | 1       | 50        | 10 mm   | back | 1:1.58     | 0.386    | 1.143          | 0.441             | A48    |
| 1 CC Uplink - Power Class 3                           | N/A               | 2506.00   | 39750 | Low | LTE Band 41 | 20              | 25.2                        | 24.52                 | -0.16            | 0                                               | 01712                | QPSK       | 1       | 99        | 10 mm   | back | 1:1.58     | 0.352    | 1.169          | 0.411             |        |
| 1 CC Uplink - Power Class 3                           | N/A               | 2506.00   | 39750 | Low | LTE Band 41 | 20              | 24.2                        | 24.17                 | 0.04             | 1                                               | 01712                | QPSK       | 50      | 50        | 10 mm   | back | 1:1.58     | 0.327    | 1.007          | 0.329             |        |
| 1 CC Uplink - Power Class 2                           | N/A               | 2506.00   | 39750 | Low | LTE Band 41 | 20              | 27.7                        | 26.52                 | 0.05             | 0                                               | 01712                | QPSK       | 1       | 50        | 10 mm   | back | 1:2.31     | 0.370    | 1.312          | 0.485             |        |
| 1 CC Uplink - Power Class 2                           | N/A               | 2506.00   | 39750 | Low | LTE Band 41 | 20              | 27.7                        | 26.31                 | 0.08             | 0                                               | 01712                | QPSK       | 1       | 99        | 10 mm   | back | 1:2.31     | 0.357    | 1.377          | 0.492             |        |
| 2 CC Uplink - Power Class 3                           | PCC               | 2506.00   | 39750 | Low | LTE Band 41 | 20              | 25.2                        | 24.40                 | 0.03             | 0                                               | 01712                | QPSK       | 1       | 99        | 10 mm   | back | 1:1.58     | 0.309    | 1.202          | 0.371             |        |
| 2 CC Uplink - Power Class 3                           | SCC               | 2525.80   | 39948 | Low |             | 20              |                             |                       |                  |                                                 |                      |            | 1       | 0         |         |      |            |          |                |                   |        |
| 2 CC Uplink - Power Class 2                           | PCC               | 2506.00   | 39750 | Low | LTE Band 41 | 20              | 27.7                        | 26.54                 | 0.03             | 0                                               | 01712                | QPSK       | 1       | 99        | 10 mm   | back | 1:2.31     | 0.345    | 1.306          | 0.451             |        |
| 2 CC Uplink - Power Class 2                           | SCC               | 2525.80   | 39948 | Low |             | 20              |                             |                       |                  |                                                 |                      |            | 1       | 0         |         |      |            |          |                |                   |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak |                   |           |       |     |             |                 |                             |                       |                  | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                      |            |         |           |         |      |            |          |                |                   |        |
| Uncontrolled Exposure/General Population              |                   |           |       |     |             |                 |                             |                       |                  |                                                 |                      |            |         |           |         |      |            |          |                |                   |        |

**Table 11-31**  
**NR Band n71 Body-Worn SAR**

| MEASUREMENT RESULTS                                   |        |      |                 |                             |                       |                  |          |                      |                         |                 |           |         |       |            |          |                |                   |        |     |
|-------------------------------------------------------|--------|------|-----------------|-----------------------------|-----------------------|------------------|----------|----------------------|-------------------------|-----------------|-----------|---------|-------|------------|----------|----------------|-------------------|--------|-----|
| FREQUENCY                                             |        | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Device Serial Number | Modulation              | RB Size         | RB Offset | Spacing | Side  | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |     |
| MHz                                                   | Ch.    |      |                 |                             |                       |                  |          |                      |                         |                 |           |         |       |            | (W/kg)   |                | (W/kg)            |        |     |
| 680.50                                                | 136100 | Mid  | NR Band n71     | 20                          | 25.7                  | 25.36            | 0.00     | 0                    | 01720                   | DFT-S-OFDM QPSK | 1         | 53      | 10 mm | back       | 1:1      | 0.395          | 1.081             | 0.427  | A50 |
| 680.50                                                | 136100 | Mid  | NR Band n71     | 20                          | 25.7                  | 25.46            | -0.08    | 0                    | 01720                   | DFT-S-OFDM QPSK | 50        | 28      | 10 mm | back       | 1:1      | 0.393          | 1.057             | 0.415  |     |
| 680.50                                                | 136100 | Mid  | NR Band n71     | 20                          | 24.2                  | 23.91            | -0.03    | 1.5                  | 01720                   | CP-OFDM QPSK    | 1         | 1       | 10 mm | back       | 1:1      | 0.255          | 1.069             | 0.273  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak |        |      |                 |                             |                       |                  |          |                      | Body<br>1.6 W/kg (mW/g) |                 |           |         |       |            |          |                |                   |        |     |
| Uncontrolled Exposure/General Population              |        |      |                 |                             |                       |                  |          |                      | averaged over 1 gram    |                 |           |         |       |            |          |                |                   |        |     |

**Table 11-32**  
**NR Band n66 Standalone Body-Worn SAR**

| MEASUREMENT RESULTS                      |        |      |                   |                       |                             |                       |                  |          |                      |                      |                 |           |         |       |            |          |                |                   |        |     |
|------------------------------------------|--------|------|-------------------|-----------------------|-----------------------------|-----------------------|------------------|----------|----------------------|----------------------|-----------------|-----------|---------|-------|------------|----------|----------------|-------------------|--------|-----|
| FREQUENCY                                |        | Mode | Bandwidth [MHz]   | Dual Display Position | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Device Serial Number | Modulation           | RB Size         | RB Offset | Spacing | Side  | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |     |
| MHz                                      | Ch.    |      |                   |                       |                             |                       |                  |          |                      |                      |                 |           |         |       |            | (W/kg)   |                | (W/kg)            |        |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 25.2                  | 25.19            | 0.00     | 0                    | 01720                | DFT-S-OFDM QPSK | 1         | 108     | 10 mm | back       | 1:1      | 1.140          | 1.002             | 1.142  | A51 |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 25.2                  | 25.04            | -0.04    | 0                    | 01720                | DFT-S-OFDM QPSK | 108       | 54      | 10 mm | back       | 1:1      | 1.150          | 1.038             | 1.194  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | 1                           | 25.2                  | 25.04            | 0.20     | 0                    | 01720                | DFT-S-OFDM QPSK | 108       | 54      | 10 mm | back       | 1:1      | 0.921          | 1.038             | 0.956  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | 2                           | 25.2                  | 25.04            | -0.04    | 0                    | 01720                | DFT-S-OFDM QPSK | 108       | 54      | 10 mm | back       | 1:1      | 1.010          | 1.038             | 1.048  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | 3                           | 25.2                  | 25.04            | 0.07     | 0                    | 01720                | DFT-S-OFDM QPSK | 108       | 54      | 10 mm | back       | 1:1      | 0.402          | 1.038             | 0.417  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 23.7                  | 23.15            | -0.02    | 1.5                  | 01720                | CP-OFDM QPSK    | 1         | 1       | 10 mm | back       | 1:1      | 0.662          | 1.135             | 0.751  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 25.2                  | 24.90            | -0.05    | 0                    | 01720                | DFT-S-OFDM QPSK | 216       | 0       | 10 mm | back       | 1:1      | 0.886          | 1.072             | 0.950  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 25.2                  | 25.04            | -0.05    | 0                    | 01720                | DFT-S-OFDM QPSK | 108       | 54      | 10 mm | back       | 1:1      | 1.140          | 1.038             | 1.183  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |        |      |                   |                       |                             |                       |                  |          |                      | Body                 |                 |           |         |       |            |          |                |                   |        |     |
| Spatial Peak                             |        |      |                   |                       |                             |                       |                  |          |                      | 1.6 W/kg (mW/g)      |                 |           |         |       |            |          |                |                   |        |     |
| Uncontrolled Exposure/General Population |        |      |                   |                       |                             |                       |                  |          |                      | averaged over 1 gram |                 |           |         |       |            |          |                |                   |        |     |

Note: 1) Green entries represent additional Body Worn SAR Position (DD #1: 0 degrees) 2) Purple entries represent additional Body Worn SAR Position (DD #2: 180 degrees) 3) Orange entries represent additional Body Worn SAR Position (DD #3: 360 degrees) 4) Blue entry represents variability measurement.

**Table 11-33**  
**NR Band n25 Standalone Body-Worn SAR**

| MEASUREMENT RESULTS                                                                               |        |      |                   |                             |                       |                  |          |                      |                                                 |                 |           |         |       |            |          |                |                   |        |     |
|---------------------------------------------------------------------------------------------------|--------|------|-------------------|-----------------------------|-----------------------|------------------|----------|----------------------|-------------------------------------------------|-----------------|-----------|---------|-------|------------|----------|----------------|-------------------|--------|-----|
| FREQUENCY                                                                                         |        | Mode | Bandwidth [MHz]   | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Device Serial Number | Modulation                                      | RB Size         | RB Offset | Spacing | Side  | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |     |
| MHz                                                                                               | Ch.    |      |                   |                             |                       |                  |          |                      |                                                 |                 |           |         |       |            | (W/kg)   |                | (W/kg)            |        |     |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 25.2                  | 25.01            | 0.06     | 0                    | 01720                                           | DFT-S-OFDM QPSK | 1         | 108     | 10 mm | back       | 1:1      | 0.790          | 1.045             | 0.826  | A53 |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 25.2                  | 25.02            | 0.15     | 0                    | 01720                                           | DFT-S-OFDM QPSK | 108       | 54      | 10 mm | back       | 1:1      | 0.773          | 1.042             | 0.805  |     |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 23.7                  | 23.02            | 0.09     | 1.5                  | 01720                                           | CP-OFDM QPSK    | 1         | 1       | 10 mm | back       | 1:1      | 0.534          | 1.169             | 0.624  |     |
| 1882.50                                                                                           | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 25.2                  | 25.00            | 0.14     | 0                    | 01720                                           | DFT-S-OFDM QPSK | 216       | 0       | 10 mm | back       | 1:1      | 0.624          | 1.047             | 0.653  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |        |      |                   |                             |                       |                  |          |                      | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                 |           |         |       |            |          |                |                   |        |     |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 186 of 227                 |

**Table 11-34**  
**NR Band n41 Standalone Body-Worn SAR**

| MEASUREMENT RESULTS                                   |        |      |                 |                             |                       |                  |          |                      |                         |                 |           |         |       |                |          |                             |                             |                   |        |     |
|-------------------------------------------------------|--------|------|-----------------|-----------------------------|-----------------------|------------------|----------|----------------------|-------------------------|-----------------|-----------|---------|-------|----------------|----------|-----------------------------|-----------------------------|-------------------|--------|-----|
| FREQUENCY                                             |        | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Device Serial Number | Modulation              | RB Size         | RB Offset | Spacing | Side  | Duty Cycle (%) | SAR (1g) | Scaling Factor (Cond Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) | Plot # |     |
| MHz                                                   | Ch.    |      |                 |                             |                       |                  |          |                      |                         |                 |           |         |       |                | (W/kg)   |                             |                             | (W/kg)            |        |     |
| 2592.99                                               | 518598 | Mid  | NR Band n41     | 100                         | 27.7                  | 27.61            | 0.00     | 0                    | 01738                   | DFT-S-OFDM QPSK | 1         | 137     | 10 mm | back           | 21.43    | 0.591                       | 1.021                       | 1.010             | 0.609  | A55 |
| 2592.99                                               | 518598 | Mid  | NR Band n41     | 100                         | 27.7                  | 27.58            | -0.13    | 0                    | 01738                   | DFT-S-OFDM QPSK | 135       | 69      | 10 mm | back           | 21.43    | 0.636                       | 1.028                       | 1.010             | 0.660  |     |
| 2592.99                                               | 518598 | Mid  | NR Band n41     | 100                         | 26.2                  | 26.08            | -0.06    | 1.5                  | 01738                   | CP-OFDM QPSK    | 1         | 1       | 10 mm | back           | 21.43    | 0.416                       | 1.028                       | 1.010             | 0.432  |     |
| 2592.99                                               | 518598 | Mid  | NR Band n41     | 100                         | 26.7                  | 26.29            | -0.02    | 1                    | 01738                   | DFT-S-OFDM QPSK | 270       | 0       | 10 mm | back           | 21.43    | 0.567                       | 1.099                       | 1.010             | 0.629  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak |        |      |                 |                             |                       |                  |          |                      | Body<br>1.6 W/kg (mW/g) |                 |           |         |       |                |          |                             |                             |                   |        |     |
| Uncontrolled Exposure/General Population              |        |      |                 |                             |                       |                  |          |                      | averaged over 1 gram    |                 |           |         |       |                |          |                             |                             |                   |        |     |

Note: The reported SAR was scaled to the 23.57% transmission duty factor to determine compliance since the duty factor of the device is permanently limited to 23.57% per the manufacturer.

**Table 11-35**  
**NR Band n66 Antenna 3 Body-Worn SAR**

| MEASUREMENT RESULTS                                   |        |      |                   |                             |                       |                  |          |                      |                                                 |                 |           |         |       |            |          |                |                   |        |  |
|-------------------------------------------------------|--------|------|-------------------|-----------------------------|-----------------------|------------------|----------|----------------------|-------------------------------------------------|-----------------|-----------|---------|-------|------------|----------|----------------|-------------------|--------|--|
| FREQUENCY                                             |        | Mode | Bandwidth [MHz]   | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Device Serial Number | Modulation                                      | RB Size         | RB Offset | Spacing | Side  | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |  |
| MHz                                                   | Ch.    |      |                   |                             |                       |                  |          |                      |                                                 |                 |           |         |       |            | (W/kg)   |                | (W/kg)            |        |  |
| 1745.00                                               | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 25.2                  | 25.08            | -0.06    | 0                    | 01720                                           | DFT-S-OFDM QPSK | 1         | 108     | 10 mm | back       | 1:1      | 0.730          | 1.028             | 0.750  |  |
| 1745.00                                               | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 25.2                  | 25.08            | -0.09    | 0                    | 01720                                           | DFT-S-OFDM QPSK | 108       | 54      | 10 mm | back       | 1:1      | 0.756          | 1.028             | 0.777  |  |
| 1745.00                                               | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 23.7                  | 23.46            | -0.01    | 1.5                  | 01720                                           | CP-OFDM QPSK    | 1         | 1       | 10 mm | back       | 1:1      | 0.440          | 1.057             | 0.465  |  |
| 1745.00                                               | 349000 | Mid  | NR Band n66 (AWS) | 40                          | 25.2                  | 24.96            | -0.06    | 0                    | 01720                                           | DFT-S-OFDM QPSK | 216       | 0       | 10 mm | back       | 1:1      | 0.635          | 1.057             | 0.671  |  |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak |        |      |                   |                             |                       |                  |          |                      | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                 |           |         |       |            |          |                |                   |        |  |
| Uncontrolled Exposure/General Population              |        |      |                   |                             |                       |                  |          |                      |                                                 |                 |           |         |       |            |          |                |                   |        |  |

**Table 11-36**  
**NR Band n25 Antenna 3 Body-Worn SAR**

| MEASUREMENT RESULTS                                   |        |      |                   |                             |                       |                  |          |                      |                                                 |                 |           |         |       |            |          |                |                   |        |  |
|-------------------------------------------------------|--------|------|-------------------|-----------------------------|-----------------------|------------------|----------|----------------------|-------------------------------------------------|-----------------|-----------|---------|-------|------------|----------|----------------|-------------------|--------|--|
| FREQUENCY                                             |        | Mode | Bandwidth [MHz]   | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Device Serial Number | Modulation                                      | RB Size         | RB Offset | Spacing | Side  | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |  |
| MHz                                                   | Ch.    |      |                   |                             |                       |                  |          |                      |                                                 |                 |           |         |       |            | (W/kg)   |                | (W/kg)            |        |  |
| 1882.50                                               | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 25.2                  | 25.16            | -0.18    | 0                    | 01720                                           | DFT-S-OFDM QPSK | 1         | 108     | 10 mm | back       | 1:1      | 0.721          | 1.009             | 0.727  |  |
| 1882.50                                               | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 25.2                  | 25.17            | -0.20    | 0                    | 01720                                           | DFT-S-OFDM QPSK | 108       | 54      | 10 mm | back       | 1:1      | 0.786          | 1.007             | 0.792  |  |
| 1882.50                                               | 376500 | Mid  | NR Band n25 (PCS) | 40                          | 23.7                  | 23.42            | -0.20    | 1.5                  | 01720                                           | CP-OFDM QPSK    | 1         | 1       | 10 mm | back       | 1:1      | 0.509          | 1.067             | 0.543  |  |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak |        |      |                   |                             |                       |                  |          |                      | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                 |           |         |       |            |          |                |                   |        |  |
| Uncontrolled Exposure/General Population              |        |      |                   |                             |                       |                  |          |                      |                                                 |                 |           |         |       |            |          |                |                   |        |  |

**Table 11-37**  
**DTS Body-Worn SAR**

| MEASUREMENT RESULTS                                                                               |     |         |         |                 |                             |                       |                  |                                                 |                 |                      |                  |      |                |                       |          |                        |                             |                   |        |
|---------------------------------------------------------------------------------------------------|-----|---------|---------|-----------------|-----------------------------|-----------------------|------------------|-------------------------------------------------|-----------------|----------------------|------------------|------|----------------|-----------------------|----------|------------------------|-----------------------------|-------------------|--------|
| FREQUENCY                                                                                         |     | Mode    | Service | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Spacing                                         | Antenna Config. | Device Serial Number | Data Rate (Mbps) | Side | Duty Cycle (%) | Peak SAR of Area Scan | SAR (1g) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) | Plot # |
| MHz                                                                                               | Ch. |         |         |                 |                             |                       |                  |                                                 |                 |                      |                  |      |                | W/kg                  | (W/kg)   |                        |                             | (W/kg)            |        |
| 2437                                                                                              | 6   | 802.11b | DSSS    | 22              | 21.0                        | 20.90                 | -0.04            | 10 mm                                           | 1               | 04732                | 1                | back | 99.7           | 0.335                 | 0.224    | 1.023                  | 1.003                       | 0.230             |        |
| 2437                                                                                              | 6   | 802.11b | DSSS    | 22              | 21.0                        | 20.90                 | 0.07             | 10 mm                                           | 2               | 04732                | 1                | back | 99.7           | 0.423                 | 0.282    | 1.023                  | 1.003                       | 0.289             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |     |         |         |                 |                             |                       |                  | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                 |                      |                  |      |                |                       |          |                        |                             |                   |        |

|                                         |                                                                                                                                                                                                |                               |                                                                                       |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       | <br>Proud to be part of  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                             | DUT Type:<br>Portable Handset |                                                                                       | Page 187 of 227                 |

**Table 11-38**  
**DTS Body-Worn SAR for Conditions with EN-DC Active**

| MEASUREMENT RESULTS                                                                               |     |         |         |                 |                             |                       |                  |                                                 |                 |                  |      |                |                       |          |                        |                             |                   |        |
|---------------------------------------------------------------------------------------------------|-----|---------|---------|-----------------|-----------------------------|-----------------------|------------------|-------------------------------------------------|-----------------|------------------|------|----------------|-----------------------|----------|------------------------|-----------------------------|-------------------|--------|
| FREQUENCY                                                                                         |     | Mode    | Service | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Spacing                                         | Antenna Config. | Data Rate (Mbps) | Side | Duty Cycle (%) | Peak SAR of Area Scan | SAR (1g) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) | Plot # |
| MHz                                                                                               | Ch. |         |         |                 |                             |                       |                  |                                                 |                 |                  |      |                | W/kg                  | (W/kg)   |                        |                             | (W/kg)            |        |
| 2437                                                                                              | 6   | 802.11b | DSSS    | 22              | 16.0                        | 15.80                 | -0.20            | 10 mm                                           | 1               | 1                | back | 99.7           | 0.101                 | 0.066    | 1.047                  | 1.003                       | 0.069             |        |
| 2412                                                                                              | 1   | 802.11b | DSSS    | 22              | 16.0                        | 15.86                 | -0.16            | 10 mm                                           | 2               | 1                | back | 99.7           | 0.099                 | 0.073    | 1.033                  | 1.003                       | 0.076             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |     |         |         |                 |                             |                       |                  | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                 |                  |      |                |                       |          |                        |                             |                   |        |

**Table 11-39**  
**DTS MIMO Body-Worn SAR**

| MEASUREMENT RESULTS                                                                               |     |         |         |                 |                                     |                               |                                     |                               |                  |                                                 |                 |                      |                  |      |                |                       |          |                        |                             |                   |        |
|---------------------------------------------------------------------------------------------------|-----|---------|---------|-----------------|-------------------------------------|-------------------------------|-------------------------------------|-------------------------------|------------------|-------------------------------------------------|-----------------|----------------------|------------------|------|----------------|-----------------------|----------|------------------------|-----------------------------|-------------------|--------|
| FREQUENCY                                                                                         |     | Mode    | Service | Bandwidth [MHz] | Maximum Allowed Power (Ant 1) [dBm] | Conducted Power (Ant 1) [dBm] | Maximum Allowed Power (Ant 2) [dBm] | Conducted Power (Ant 2) [dBm] | Power Drift [dB] | Spacing                                         | Antenna Config. | Device Serial Number | Data Rate (Mbps) | Side | Duty Cycle (%) | Peak SAR of Area Scan | SAR (1g) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) | Plot # |
| MHz                                                                                               | Ch. |         |         |                 |                                     |                               |                                     |                               |                  |                                                 |                 |                      |                  |      |                | W/kg                  | (W/kg)   |                        |                             | (W/kg)            |        |
| 2437                                                                                              | 6   | 802.11b | DSSS    | 22              | 21.0                                | 20.90                         | 21.0                                | 20.90                         | -0.01            | 10 mm                                           | MIMO            | 01456                | 1                | back | 99.7           | 0.727                 | 0.498    | 1.023                  | 1.003                       | 0.511             | A56    |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |     |         |         |                 |                                     |                               |                                     |                               |                  | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                 |                      |                  |      |                |                       |          |                        |                             |                   |        |

Note: To achieve the 24.0 dBm maximum allowed MIMO power shown in the documentation for channel 6, each antenna transmits at a maximum allowed power of 21.0 dBm.

**Table 11-40**  
**NII Body-Worn SAR**

| MEASUREMENT RESULTS                                                                               |     |         |         |                 |                             |                       |                  |                                                 |                 |                      |                  |      |                |                       |          |                        |                             |                   |        |
|---------------------------------------------------------------------------------------------------|-----|---------|---------|-----------------|-----------------------------|-----------------------|------------------|-------------------------------------------------|-----------------|----------------------|------------------|------|----------------|-----------------------|----------|------------------------|-----------------------------|-------------------|--------|
| FREQUENCY                                                                                         |     | Mode    | Service | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Spacing                                         | Antenna Config. | Device Serial Number | Data Rate (Mbps) | Side | Duty Cycle (%) | Peak SAR of Area Scan | SAR (1g) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) | Plot # |
| MHz                                                                                               | Ch. |         |         |                 |                             |                       |                  |                                                 |                 |                      |                  |      |                | W/kg                  | (W/kg)   |                        |                             | (W/kg)            |        |
| 5280                                                                                              | 56  | 802.11a | OFDM    | 20              | 19.5                        | 19.34                 | 0.01             | 10 mm                                           | 1               | 01464                | 6                | back | 97.6           | 1.423                 | 0.720    | 1.038                  | 1.025                       | 0.766             |        |
| 5280                                                                                              | 56  | 802.11a | OFDM    | 20              | 19.5                        | 18.61                 | 0.06             | 10 mm                                           | 2               | 01464                | 6                | back | 97.8           | 0.476                 | 0.207    | 1.227                  | 1.022                       | 0.260             |        |
| 5700                                                                                              | 140 | 802.11a | OFDM    | 20              | 17.8                        | 16.88                 | 0.03             | 10 mm                                           | 1               | 01464                | 6                | back | 97.6           | 0.724                 | 0.377    | 1.236                  | 1.025                       | 0.478             |        |
| 5700                                                                                              | 140 | 802.11a | OFDM    | 20              | 17.8                        | 16.86                 | 0.03             | 10 mm                                           | 2               | 01464                | 6                | back | 97.8           | 0.535                 | 0.258    | 1.242                  | 1.022                       | 0.327             |        |
| 5745                                                                                              | 149 | 802.11a | OFDM    | 20              | 17.7                        | 16.72                 | -0.15            | 10 mm                                           | 1               | 01464                | 6                | back | 97.6           | 0.859                 | 0.456    | 1.253                  | 1.025                       | 0.586             |        |
| 5785                                                                                              | 157 | 802.11a | OFDM    | 20              | 19.9                        | 19.07                 | -0.18            | 10 mm                                           | 1               | 01464                | 6                | back | 97.6           | 1.387                 | 0.707    | 1.211                  | 1.025                       | 0.878             |        |
| 5825                                                                                              | 165 | 802.11a | OFDM    | 20              | 19.8                        | 18.88                 | -0.18            | 10 mm                                           | 1               | 01464                | 6                | back | 97.6           | 1.387                 | 0.735    | 1.236                  | 1.025                       | 0.931             |        |
| 5785                                                                                              | 157 | 802.11a | OFDM    | 20              | 19.9                        | 18.99                 | 0.00             | 10 mm                                           | 2               | 01464                | 6                | back | 97.8           | 0.751                 | 0.330    | 1.233                  | 1.022                       | 0.416             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |     |         |         |                 |                             |                       |                  | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                 |                      |                  |      |                |                       |          |                        |                             |                   |        |

**Table 11-41**  
**NII Body-Worn SAR for Conditions with EN-DC Active**

| MEASUREMENT RESULTS                                      |     |         |         |                 |                             |                       |                  |                                                 |                 |                      |                  |      |                |                       |          |                        |                             |                   |        |
|----------------------------------------------------------|-----|---------|---------|-----------------|-----------------------------|-----------------------|------------------|-------------------------------------------------|-----------------|----------------------|------------------|------|----------------|-----------------------|----------|------------------------|-----------------------------|-------------------|--------|
| FREQUENCY                                                |     | Mode    | Service | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Spacing                                         | Antenna Config. | Device Serial Number | Data Rate (Mbps) | Side | Duty Cycle (%) | Peak SAR of Area Scan | SAR (1g) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) | Plot # |
| MHz                                                      | Ch. |         |         |                 |                             |                       |                  |                                                 |                 |                      |                  |      |                | W/kg                  | (W/kg)   |                        |                             | (W/kg)            |        |
| 5280                                                     | 56  | 802.11a | OFDM    | 20              | 17.0                        | 16.91                 | -0.05            | 10 mm                                           | 1               | 01464                | 6                | back | 97.6           | 1.023                 | 0.522    | 1.021                  | 1.025                       | 0.546             |        |
| 5280                                                     | 56  | 802.11a | OFDM    | 20              | 17.0                        | 16.90                 | 0.15             | 10 mm                                           | 2               | 01464                | 6                | back | 97.8           | 0.311                 | 0.131    | 1.023                  | 1.022                       | 0.137             |        |
| 5630                                                     | 126 | 802.11n | OFDM    | 40              | 15.0                        | 14.85                 | -0.12            | 10 mm                                           | 1               | 01464                | 13.5             | back | 95.0           | 0.519                 | 0.276    | 1.035                  | 1.053                       | 0.301             |        |
| 5550                                                     | 110 | 802.11n | OFDM    | 40              | 15.0                        | 14.94                 | 0.14             | 10 mm                                           | 2               | 01464                | 13.5             | back | 95.2           | 0.392                 | 0.169    | 1.014                  | 1.050                       | 0.180             |        |
| 5825                                                     | 165 | 802.11a | OFDM    | 20              | 17.0                        | 16.72                 | -0.03            | 10 mm                                           | 1               | 01464                | 6                | back | 97.6           | 0.938                 | 0.520    | 1.067                  | 1.025                       | 0.569             |        |
| 5785                                                     | 157 | 802.11a | OFDM    | 20              | 17.0                        | 16.80                 | 0.12             | 10 mm                                           | 2               | 01464                | 6                | back | 97.8           | 0.382                 | 0.191    | 1.047                  | 1.022                       | 0.204             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT                    |     |         |         |                 |                             |                       |                  | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                 |                      |                  |      |                |                       |          |                        |                             |                   |        |
| Spatial Peak<br>Uncontrolled Exposure/General Population |     |         |         |                 |                             |                       |                  |                                                 |                 |                      |                  |      |                |                       |          |                        |                             |                   |        |

|                                         |                                                                                                                                                                                                |                               |                                                                                       |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       | <br>Proud to be part of  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                             | DUT Type:<br>Portable Handset |                                                                                       | Page 188 of 227                 |



**Table 11-42**  
**NII MIMO Body-Worn SAR**

| MEASUREMENT RESULTS                      |     |         |         |                 |                                     |                               |                                     |                               |                  |                      |                 |                      |                  |      |                |                       |
|------------------------------------------|-----|---------|---------|-----------------|-------------------------------------|-------------------------------|-------------------------------------|-------------------------------|------------------|----------------------|-----------------|----------------------|------------------|------|----------------|-----------------------|
| FREQUENCY                                |     | Mode    | Service | Bandwidth [MHz] | Maximum Allowed Power (Ant 1) [dBm] | Conducted Power (Ant 1) [dBm] | Maximum Allowed Power (Ant 2) [dBm] | Conducted Power (Ant 2) [dBm] | Power Drift [dB] | Spacing              | Antenna Config. | Device Serial Number | Data Rate (Mbps) | Side | Duty Cycle (%) | Peak SAR of Area Scan |
| MHz                                      | Ch. |         |         |                 |                                     |                               |                                     |                               |                  |                      |                 |                      |                  |      |                | W/kg                  |
| 5260                                     | 52  | 802.11n | OFDM    | 20              | 17.4                                | 16.99                         | 17.4                                | 16.50                         | -0.04            | 10 mm                | MIMO            | 01464                | 13               | back | 97.6           | 1.141                 |
| 5280                                     | 56  | 802.11n | OFDM    | 20              | 19.5                                | 19.23                         | 19.5                                | 18.46                         | 0.04             | 10 mm                | MIMO            | 01464                | 13               | back | 97.6           | 1.805                 |
| 5320                                     | 64  | 802.11n | OFDM    | 20              | 17.4                                | 16.94                         | 17.4                                | 16.47                         | 0.03             | 10 mm                | MIMO            | 01464                | 13               | back | 97.6           | 1.309                 |
| 5500                                     | 100 | 802.11n | OFDM    | 20              | 17.8                                | 16.97                         | 17.8                                | 16.84                         | -0.03            | 10 mm                | MIMO            | 01464                | 13               | back | 97.6           | 1.790                 |
| 5600                                     | 120 | 802.11n | OFDM    | 20              | 17.3                                | 16.54                         | 17.3                                | 16.36                         | -0.18            | 10 mm                | MIMO            | 01464                | 13               | back | 97.6           | 1.763                 |
| 5720                                     | 144 | 802.11n | OFDM    | 20              | 17.6                                | 16.72                         | 17.6                                | 16.66                         | -0.05            | 10 mm                | MIMO            | 01464                | 13               | back | 97.6           | 1.332                 |
| 5745                                     | 149 | 802.11n | OFDM    | 20              | 17.4                                | 16.52                         | 17.4                                | 16.84                         | -0.17            | 10 mm                | MIMO            | 01464                | 13               | back | 97.6           | 1.434                 |
| 5785                                     | 157 | 802.11n | OFDM    | 20              | 19.9                                | 18.90                         | 19.9                                | 18.90                         | -0.15            | 10 mm                | MIMO            | 01464                | 13               | back | 97.6           | 1.740                 |
| 5825                                     | 165 | 802.11n | OFDM    | 20              | 19.6                                | 16.70                         | 19.6                                | 18.70                         | -0.10            | 10 mm                | MIMO            | 01464                | 13               | back | 97.6           | 1.923                 |
| 5500                                     | 100 | 802.11n | OFDM    | 20              | 17.8                                | 16.97                         | 17.8                                | 16.84                         | -0.04            | 10 mm                | MIMO            | 01464                | 13               | back | 97.6           | 1.765                 |
| 5785                                     | 157 | 802.11n | OFDM    | 20              | 19.9                                | 18.90                         | 19.9                                | 18.90                         | -0.17            | 10 mm                | MIMO            | 01464                | 13               | back | 97.6           | 2.008                 |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |     |         |         |                 |                                     |                               |                                     |                               |                  | Body                 |                 |                      |                  |      |                |                       |
| Spatial Peak                             |     |         |         |                 |                                     |                               |                                     |                               |                  | 1.6 W/kg (mW/g)      |                 |                      |                  |      |                |                       |
| Uncontrolled Exposure/General Population |     |         |         |                 |                                     |                               |                                     |                               |                  | averaged over 1 gram |                 |                      |                  |      |                |                       |

Note:

To achieve the 20.4 dBm maximum allowed MIMO power shown in the documentation for channel 52 & 64, each antenna transmits at a maximum allowed power of 17.4 dBm.

To achieve the 22.5 dBm maximum allowed MIMO power shown in the documentation for channel 56, each antenna transmits at a maximum allowed power of 19.5 dBm.

To achieve the 20.8 dBm maximum allowed MIMO power shown in the documentation for channel 100, each antenna transmits at a maximum allowed power of 17.8 dBm.

To achieve the 20.3 dBm maximum allowed MIMO power shown in the documentation for channel 120, each antenna transmits at a maximum allowed power of 17.3 dBm.

To achieve the 20.6 dBm maximum allowed MIMO power shown in the documentation for channel 144, each antenna transmits at a maximum allowed power of 17.6 dBm.

To achieve the 20.4 dBm maximum allowed MIMO power shown in the documentation for channel 149, each antenna transmits at a maximum allowed power of 17.4 dBm.

To achieve the 22.9 dBm maximum allowed MIMO power shown in the documentation for channel 157, each antenna transmits at a maximum allowed power of 19.9 dBm.

To achieve the 22.6 dBm maximum allowed MIMO power shown in the documentation for channel 165, each antenna transmits at a maximum allowed power of 19.6 dBm.

Blue entries represent variability measurements.

**Table 11-43**  
**DSS Body-Worn SAR**

| MEASUREMENT RESULTS                      |     |           |         |                             |                       |                  |         |                      |                  |                      |                |          |                             |                             |                          |        |
|------------------------------------------|-----|-----------|---------|-----------------------------|-----------------------|------------------|---------|----------------------|------------------|----------------------|----------------|----------|-----------------------------|-----------------------------|--------------------------|--------|
| FREQUENCY                                |     | Mode      | Service | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Spacing | Device Serial Number | Data Rate (Mbps) | Side                 | Duty Cycle (%) | SAR (1g) | Scaling Factor (Cond Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) (W/kg) | Plot # |
| MHz                                      | Ch. |           |         |                             |                       |                  |         |                      |                  |                      |                | (W/kg)   |                             |                             |                          |        |
| 2441                                     | 39  | Bluetooth | FHSS    | 11.0                        | 10.38                 | -0.08            | 10 mm   | 01456                | 1                | back                 | 77.1           | 0.022    | 1.153                       | 1.297                       | 0.033                    | A59    |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |     |           |         |                             |                       |                  |         |                      |                  | Body                 |                |          |                             |                             |                          |        |
| Spatial Peak                             |     |           |         |                             |                       |                  |         |                      |                  | 1.6 W/kg (mW/g)      |                |          |                             |                             |                          |        |
| Uncontrolled Exposure/General Population |     |           |         |                             |                       |                  |         |                      |                  | averaged over 1 gram |                |          |                             |                             |                          |        |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 189 of 227                 |

## 11.3 Standalone Hotspot SAR Data

**Table 11-44**  
**GPRS/UMTS/CDMA Hotspot SAR Data**

| MEASUREMENT RESULTS                      |      |                  |             |                             |                       |                  |                      |                 |                            |                      |                 |            |        |                 |                |                          |        |  |
|------------------------------------------|------|------------------|-------------|-----------------------------|-----------------------|------------------|----------------------|-----------------|----------------------------|----------------------|-----------------|------------|--------|-----------------|----------------|--------------------------|--------|--|
| FREQUENCY                                |      | Mode             | Service     | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Spacing              | Antenna Config. | Dual Display Configuration | Device Serial Number | # of Time Slots | Duty Cycle | Side   | SAR (1g) (W/kg) | Scaling Factor | Reported SAR (1g) (W/kg) | Plot # |  |
| Mhz                                      | Ch.  |                  |             |                             |                       |                  |                      |                 |                            |                      |                 |            |        |                 |                |                          |        |  |
| 820.10                                   | 564  | CDMA BC10 (9905) | EVDO Rev. 0 | 24.7                        | 24.44                 | 0.03             | 10 mm                | Ant 1           | -                          | 01688                | N/A             | 1:1        | back   | 0.465           | 1.062          | 0.494                    | A25    |  |
| 820.10                                   | 564  | CDMA BC10 (9905) | EVDO Rev. 0 | 24.7                        | 24.44                 | 0.02             | 10 mm                | Ant 1           | -                          | 01688                | N/A             | 1:1        | front  | 0.404           | 1.062          | 0.429                    |        |  |
| 820.10                                   | 564  | CDMA BC10 (9905) | EVDO Rev. 0 | 24.7                        | 24.44                 | -0.07            | 10 mm                | Ant 1           | -                          | 01688                | N/A             | 1:1        | bottom | 0.216           | 1.062          | 0.229                    |        |  |
| 820.10                                   | 564  | CDMA BC10 (9905) | EVDO Rev. 0 | 24.7                        | 24.44                 | 0.07             | 10 mm                | Ant 1           | -                          | 01688                | N/A             | 1:1        | right  | 0.167           | 1.062          | 0.177                    |        |  |
| 836.52                                   | 384  | CDMA BC0 (S22H)  | EVDO Rev. 0 | 24.7                        | 24.53                 | -0.04            | 10 mm                | Ant 1           | -                          | 01688                | N/A             | 1:1        | back   | 0.549           | 1.040          | 0.571                    | A27    |  |
| 836.52                                   | 384  | CDMA BC0 (S22H)  | EVDO Rev. 0 | 24.7                        | 24.53                 | 0.03             | 10 mm                | Ant 1           | -                          | 01688                | N/A             | 1:1        | front  | 0.492           | 1.040          | 0.512                    |        |  |
| 836.52                                   | 384  | CDMA BC0 (S22H)  | EVDO Rev. 0 | 24.7                        | 24.53                 | 0.04             | 10 mm                | Ant 1           | -                          | 01688                | N/A             | 1:1        | bottom | 0.234           | 1.040          | 0.243                    |        |  |
| 836.52                                   | 384  | CDMA BC0 (S22H)  | EVDO Rev. 0 | 24.7                        | 24.53                 | -0.02            | 10 mm                | Ant 1           | -                          | 01688                | N/A             | 1:1        | right  | 0.227           | 1.040          | 0.236                    |        |  |
| 1880.00                                  | 600  | PCS CDMA         | EVDO Rev. 0 | 22.7                        | 22.66                 | 0.04             | 10 mm                | Ant 2           | -                          | 01670                | N/A             | 1:1        | back   | 0.400           | 1.009          | 0.404                    |        |  |
| 1880.00                                  | 600  | PCS CDMA         | EVDO Rev. 0 | 24.7                        | 24.52                 | -0.02            | 10 mm                | Ant 2           | 1                          | 01670                | N/A             | 1:1        | back   | 0.566           | 1.042          | 0.590                    |        |  |
| 1880.00                                  | 600  | PCS CDMA         | EVDO Rev. 0 | 22.7                        | 22.66                 | -0.01            | 10 mm                | Ant 2           | -                          | 01670                | N/A             | 1:1        | front  | 0.286           | 1.009          | 0.289                    |        |  |
| 1880.00                                  | 600  | PCS CDMA         | EVDO Rev. 0 | 24.7                        | 24.52                 | -0.01            | 10 mm                | Ant 2           | 3                          | 01670                | N/A             | 1:1        | front  | 0.702           | 1.042          | 0.731                    |        |  |
| 1851.25                                  | 25   | PCS CDMA         | EVDO Rev. 0 | 22.7                        | 22.58                 | -0.04            | 10 mm                | Ant 2           | -                          | 01670                | N/A             | 1:1        | bottom | 0.733           | 1.028          | 0.754                    |        |  |
| 1880.00                                  | 600  | PCS CDMA         | EVDO Rev. 0 | 22.7                        | 22.66                 | -0.02            | 10 mm                | Ant 2           | -                          | 01670                | N/A             | 1:1        | bottom | 0.855           | 1.009          | 0.863                    |        |  |
| 1908.75                                  | 1175 | PCS CDMA         | EVDO Rev. 0 | 22.7                        | 22.62                 | -0.05            | 10 mm                | Ant 2           | -                          | 01670                | N/A             | 1:1        | bottom | 0.919           | 1.019          | 0.936                    | A29    |  |
| 1851.25                                  | 25   | PCS CDMA         | EVDO Rev. 0 | 24.7                        | 24.48                 | -0.02            | 10 mm                | Ant 2           | 1                          | 01670                | N/A             | 1:1        | bottom | 0.828           | 1.052          | 0.871                    |        |  |
| 1880.00                                  | 600  | PCS CDMA         | EVDO Rev. 0 | 24.7                        | 24.52                 | 0.01             | 10 mm                | Ant 2           | 1                          | 01670                | N/A             | 1:1        | bottom | 0.785           | 1.042          | 0.797                    |        |  |
| 1908.75                                  | 1175 | PCS CDMA         | EVDO Rev. 0 | 24.7                        | 24.49                 | 0.03             | 10 mm                | Ant 2           | 1                          | 01670                | N/A             | 1:1        | bottom | 0.648           | 1.050          | 0.680                    |        |  |
| 1880.00                                  | 600  | PCS CDMA         | EVDO Rev. 0 | 22.7                        | 22.66                 | -0.12            | 10 mm                | Ant 2           | -                          | 01670                | N/A             | 1:1        | left   | 0.092           | 1.009          | 0.093                    |        |  |
| 1880.00                                  | 600  | PCS CDMA         | EVDO Rev. 0 | 24.7                        | 24.52                 | -0.01            | 10 mm                | Ant 2           | 1                          | 01670                | N/A             | 1:1        | left   | 0.087           | 1.042          | 0.091                    |        |  |
| 824.20                                   | 128  | GSM 850          | GPRS        | 29.2                        | 28.95                 | -0.01            | 10 mm                | Ant 1           | -                          | 01688                | 4               | 1:2.076    | back   | 0.579           | 1.059          | 0.613                    |        |  |
| 836.60                                   | 190  | GSM 850          | GPRS        | 29.2                        | 29.01                 | 0.00             | 10 mm                | Ant 1           | -                          | 01688                | 4               | 1:2.076    | back   | 0.574           | 1.045          | 0.600                    |        |  |
| 848.80                                   | 251  | GSM 850          | GPRS        | 29.2                        | 29.09                 | -0.01            | 10 mm                | Ant 1           | -                          | 01688                | 4               | 1:2.076    | back   | 0.645           | 1.026          | 0.662                    | A30    |  |
| 824.20                                   | 128  | GSM 850          | GPRS        | 29.2                        | 28.95                 | 0.05             | 10 mm                | Ant 1           | -                          | 01688                | 4               | 1:2.076    | front  | 0.569           | 1.059          | 0.603                    |        |  |
| 836.60                                   | 190  | GSM 850          | GPRS        | 29.2                        | 29.01                 | 0.12             | 10 mm                | Ant 1           | -                          | 01688                | 4               | 1:2.076    | front  | 0.606           | 1.045          | 0.633                    |        |  |
| 848.80                                   | 251  | GSM 850          | GPRS        | 29.2                        | 29.09                 | -0.01            | 10 mm                | Ant 1           | -                          | 01688                | 4               | 1:2.076    | front  | 0.628           | 1.026          | 0.644                    |        |  |
| 836.60                                   | 190  | GSM 850          | GPRS        | 29.2                        | 29.01                 | 0.03             | 10 mm                | Ant 1           | -                          | 01688                | 4               | 1:2.076    | bottom | 0.338           | 1.045          | 0.353                    |        |  |
| 836.60                                   | 190  | GSM 850          | GPRS        | 29.2                        | 29.01                 | 0.01             | 10 mm                | Ant 1           | -                          | 01688                | 4               | 1:2.076    | right  | 0.344           | 1.045          | 0.359                    |        |  |
| 1880.00                                  | 661  | GSM 1900         | GPRS        | 27.2                        | 27.16                 | 0.07             | 10 mm                | Ant 2           | -                          | 01670                | 3               | 1:2.76     | back   | 0.342           | 1.009          | 0.345                    |        |  |
| 1880.00                                  | 661  | GSM 1900         | GPRS        | 27.2                        | 27.16                 | -0.06            | 10 mm                | Ant 2           | -                          | 01670                | 3               | 1:2.76     | front  | 0.277           | 1.009          | 0.279                    |        |  |
| 1850.20                                  | 512  | GSM 1900         | GPRS        | 27.2                        | 27.03                 | -0.01            | 10 mm                | Ant 2           | -                          | 01670                | 3               | 1:2.76     | bottom | 0.546           | 1.040          | 0.568                    |        |  |
| 1880.00                                  | 661  | GSM 1900         | GPRS        | 27.2                        | 27.16                 | -0.03            | 10 mm                | Ant 2           | -                          | 01670                | 3               | 1:2.76     | bottom | 0.674           | 1.009          | 0.680                    |        |  |
| 1909.80                                  | 810  | GSM 1900         | GPRS        | 27.2                        | 27.07                 | -0.07            | 10 mm                | Ant 2           | -                          | 01670                | 3               | 1:2.76     | bottom | 0.750           | 1.030          | 0.773                    | A32    |  |
| 1880.00                                  | 661  | GSM 1900         | GPRS        | 27.2                        | 27.16                 | -0.07            | 10 mm                | Ant 2           | -                          | 01670                | 3               | 1:2.76     | left   | 0.067           | 1.009          | 0.068                    |        |  |
| 836.60                                   | 4183 | UMTS 850         | RMC         | 24.7                        | 24.41                 | 0.00             | 10 mm                | Ant 1           | -                          | 01688                | N/A             | 1:1        | back   | 0.519           | 1.069          | 0.555                    | A33    |  |
| 836.60                                   | 4183 | UMTS 850         | RMC         | 24.7                        | 24.41                 | -0.03            | 10 mm                | Ant 1           | -                          | 01688                | N/A             | 1:1        | front  | 0.458           | 1.069          | 0.490                    |        |  |
| 836.60                                   | 4183 | UMTS 850         | RMC         | 24.7                        | 24.41                 | 0.01             | 10 mm                | Ant 1           | -                          | 01688                | N/A             | 1:1        | bottom | 0.231           | 1.069          | 0.247                    |        |  |
| 836.60                                   | 4183 | UMTS 850         | RMC         | 24.7                        | 24.41                 | -0.02            | 10 mm                | Ant 1           | -                          | 01688                | N/A             | 1:1        | right  | 0.221           | 1.069          | 0.236                    |        |  |
| 1732.40                                  | 1412 | UMTS 1750        | RMC         | 22.7                        | 22.68                 | -0.06            | 10 mm                | Ant 2           | -                          | 01670                | N/A             | 1:1        | back   | 0.526           | 1.005          | 0.529                    |        |  |
| 1732.40                                  | 1412 | UMTS 1750        | RMC         | 24.7                        | 24.69                 | 0.02             | 10 mm                | Ant 2           | 1                          | 01670                | N/A             | 1:1        | back   | 0.481           | 1.002          | 0.482                    |        |  |
| 1732.40                                  | 1412 | UMTS 1750        | RMC         | 22.7                        | 22.68                 | 0.01             | 10 mm                | Ant 2           | -                          | 01670                | N/A             | 1:1        | front  | 0.444           | 1.005          | 0.446                    |        |  |
| 1732.40                                  | 1412 | UMTS 1750        | RMC         | 24.7                        | 24.69                 | -0.03            | 10 mm                | Ant 2           | 3                          | 01670                | N/A             | 1:1        | front  | 0.503           | 1.002          | 0.504                    |        |  |
| 1712.40                                  | 1312 | UMTS 1750        | RMC         | 22.7                        | 22.70                 | -0.06            | 10 mm                | Ant 2           | -                          | 01670                | N/A             | 1:1        | bottom | 0.814           | 1.000          | 0.814                    |        |  |
| 1732.40                                  | 1412 | UMTS 1750        | RMC         | 22.7                        | 22.68                 | -0.03            | 10 mm                | Ant 2           | -                          | 01670                | N/A             | 1:1        | bottom | 0.826           | 1.005          | 0.830                    |        |  |
| 1752.60                                  | 1513 | UMTS 1750        | RMC         | 22.7                        | 22.68                 | -0.08            | 10 mm                | Ant 2           | -                          | 01670                | N/A             | 1:1        | bottom | 0.897           | 1.005          | 0.901                    | A35    |  |
| 1732.40                                  | 1412 | UMTS 1750        | RMC         | 24.7                        | 24.69                 | 0.03             | 10 mm                | Ant 2           | 1                          | 01670                | N/A             | 1:1        | bottom | 0.498           | 1.002          | 0.499                    |        |  |
| 1732.40                                  | 1412 | UMTS 1750        | RMC         | 22.7                        | 22.68                 | -0.09            | 10 mm                | Ant 2           | -                          | 01670                | N/A             | 1:1        | left   | 0.169           | 1.005          | 0.170                    |        |  |
| 1732.40                                  | 1412 | UMTS 1750        | RMC         | 24.7                        | 24.69                 | 0.06             | 10 mm                | Ant 2           | 1                          | 01670                | N/A             | 1:1        | left   | 0.063           | 1.002          | 0.063                    |        |  |
| 1880.00                                  | 9400 | UMTS 1900        | RMC         | 22.7                        | 22.61                 | 0.08             | 10 mm                | Ant 2           | -                          | 01670                | N/A             | 1:1        | back   | 0.609           | 1.021          | 0.622                    |        |  |
| 1880.00                                  | 9400 | UMTS 1900        | RMC         | 24.7                        | 24.65                 | -0.01            | 10 mm                | Ant 2           | 1                          | 01670                | N/A             | 1:1        | back   | 0.575           | 1.012          | 0.582                    |        |  |
| 1880.00                                  | 9400 | UMTS 1900        | RMC         | 22.7                        | 22.61                 | 0.04             | 10 mm                | Ant 2           | -                          | 01670                | N/A             | 1:1        | front  | 0.470           | 1.021          | 0.480                    |        |  |
| 1880.00                                  | 9400 | UMTS 1900        | RMC         | 24.7                        | 24.65                 | 0.05             | 10 mm                | Ant 2           | 3                          | 01670                | N/A             | 1:1        | front  | 0.651           | 1.012          | 0.659                    |        |  |
| 1852.40                                  | 9262 | UMTS 1900        | RMC         | 22.7                        | 22.67                 | -0.02            | 10 mm                | Ant 2           | -                          | 01670                | N/A             | 1:1        | bottom | 0.687           | 1.007          | 0.692                    |        |  |
| 1880.00                                  | 9400 | UMTS 1900        | RMC         | 22.7                        | 22.61                 | 0.00             | 10 mm                | Ant 2           | -                          | 01670                | N/A             | 1:1        | bottom | 0.778           | 1.021          | 0.794                    |        |  |
| 1907.60                                  | 9538 | UMTS 1900        | RMC         | 22.7                        | 22.70                 | 0.00             | 10 mm                | Ant 2           | -                          | 01670                | N/A             | 1:1        | bottom | 0.845           | 1.000          | 0.845                    | A37    |  |
| 1880.00                                  | 9400 | UMTS 1900        | RMC         | 24.7                        | 24.65                 | 0.18             | 10 mm                | Ant 2           | 1                          | 01670                | N/A             | 1:1        | bottom | 0.597           | 1.012          | 0.604                    |        |  |
| 1880.00                                  | 9400 | UMTS 1900        | RMC         | 22.7                        | 22.61                 | -0.05            | 10 mm                | Ant 2           | -                          | 01670                | N/A             | 1:1        | left   | 0.133           | 1.021          | 0.136                    |        |  |
| 1880.00                                  | 9400 | UMTS 1900        | RMC         | 24.7                        | 24.65                 | 0.10             | 10 mm                | Ant 2           | 1                          | 01670                | N/A             | 1:1        | left   | 0.071           | 1.012          | 0.072                    |        |  |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |      |                  |             |                             |                       |                  | Body                 |                 |                            |                      |                 |            |        |                 |                |                          |        |  |
| Spatial Peak                             |      |                  |             |                             |                       |                  | 1.6 W/kg (mW/g)      |                 |                            |                      |                 |            |        |                 |                |                          |        |  |
| Uncontrolled Exposure/General Population |      |                  |             |                             |                       |                  | averaged over 1 gram |                 |                            |                      |                 |            |        |                 |                |                          |        |  |

Note: 1) Green entries represent additional Hotspot SAR Position (DD #1: 0 degrees) 2) Light orange entries represent additional Hotspot SAR Position (DD #3: 360 degrees)

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 190 of 227                 |

**Table 11-45**  
**LTE Band 71 Hotspot SAR**

| MEASUREMENT RESULTS                                                                               |        |      |                 |                             |                       |                  |          |                                                 |            |         |           |         |       |            |          |                |                   |        |     |
|---------------------------------------------------------------------------------------------------|--------|------|-----------------|-----------------------------|-----------------------|------------------|----------|-------------------------------------------------|------------|---------|-----------|---------|-------|------------|----------|----------------|-------------------|--------|-----|
| FREQUENCY                                                                                         |        | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Device Serial Number                            | Modulation | RB Size | RB Offset | Spacing | Side  | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |     |
| MHz                                                                                               | Ch.    |      |                 |                             |                       |                  |          |                                                 |            |         |           |         |       |            | (W/kg)   |                | (W/kg)            |        |     |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71     | 20                          | 25.5                  | 25.44            | 0.01     | 0                                               | 01696      | QPSK    | 1         | 50      | 10 mm | back       | 1:1      | 0.310          | 1.014             | 0.314  | A38 |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71     | 20                          | 24.5                  | 24.34            | 0.00     | 1                                               | 01696      | QPSK    | 50        | 25      | 10 mm | back       | 1:1      | 0.243          | 1.038             | 0.252  |     |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71     | 20                          | 25.5                  | 25.44            | -0.02    | 0                                               | 01696      | QPSK    | 1         | 50      | 10 mm | front      | 1:1      | 0.259          | 1.014             | 0.263  |     |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71     | 20                          | 24.5                  | 24.34            | 0.01     | 1                                               | 01696      | QPSK    | 50        | 25      | 10 mm | front      | 1:1      | 0.201          | 1.038             | 0.209  |     |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71     | 20                          | 25.5                  | 25.44            | -0.04    | 0                                               | 01696      | QPSK    | 1         | 50      | 10 mm | bottom     | 1:1      | 0.123          | 1.014             | 0.125  |     |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71     | 20                          | 24.5                  | 24.34            | 0.00     | 1                                               | 01696      | QPSK    | 50        | 25      | 10 mm | bottom     | 1:1      | 0.110          | 1.038             | 0.114  |     |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71     | 20                          | 25.5                  | 25.44            | 0.04     | 0                                               | 01696      | QPSK    | 1         | 50      | 10 mm | right      | 1:1      | 0.214          | 1.014             | 0.217  |     |
| 680.50                                                                                            | 133297 | Mid  | LTE Band 71     | 20                          | 24.5                  | 24.34            | -0.04    | 1                                               | 01696      | QPSK    | 50        | 25      | 10 mm | right      | 1:1      | 0.178          | 1.038             | 0.185  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |        |      |                 |                             |                       |                  |          | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |         |           |         |       |            |          |                |                   |        |     |

**Table 11-46**  
**LTE Band 12 Hotspot SAR**

| MEASUREMENT RESULTS                                                                               |       |        |             |                 |                             |                       |                  |                                                 |                      |            |         |           |         |        |            |          |                |                   |        |
|---------------------------------------------------------------------------------------------------|-------|--------|-------------|-----------------|-----------------------------|-----------------------|------------------|-------------------------------------------------|----------------------|------------|---------|-----------|---------|--------|------------|----------|----------------|-------------------|--------|
| FREQUENCY                                                                                         |       |        | Mode        | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB]                                        | Device Serial Number | Modulation | RB Size | RB Offset | Spacing | Side   | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |
| MHz                                                                                               | Ch.   | (W/kg) |             |                 |                             |                       |                  |                                                 |                      |            |         |           |         |        |            | (W/kg)   |                |                   |        |
| 707.50                                                                                            | 23095 | Mid    | LTE Band 12 | 10              | 25.5                        | 25.46                 | -0.05            | 0                                               | 01696                | QPSK       | 1       | 25        | 10 mm   | back   | 1:1        | 0.304    | 1.009          | 0.307             | A39    |
| 707.50                                                                                            | 23095 | Mid    | LTE Band 12 | 10              | 24.5                        | 24.49                 | -0.02            | 1                                               | 01696                | QPSK       | 25      | 25        | 10 mm   | back   | 1:1        | 0.273    | 1.002          | 0.274             |        |
| 707.50                                                                                            | 23095 | Mid    | LTE Band 12 | 10              | 25.5                        | 25.46                 | 0.02             | 0                                               | 01696                | QPSK       | 1       | 25        | 10 mm   | front  | 1:1        | 0.277    | 1.009          | 0.279             |        |
| 707.50                                                                                            | 23095 | Mid    | LTE Band 12 | 10              | 24.5                        | 24.49                 | 0.00             | 1                                               | 01696                | QPSK       | 25      | 25        | 10 mm   | front  | 1:1        | 0.262    | 1.002          | 0.263             |        |
| 707.50                                                                                            | 23095 | Mid    | LTE Band 12 | 10              | 25.5                        | 25.46                 | -0.01            | 0                                               | 01696                | QPSK       | 1       | 25        | 10 mm   | bottom | 1:1        | 0.152    | 1.009          | 0.153             |        |
| 707.50                                                                                            | 23095 | Mid    | LTE Band 12 | 10              | 24.5                        | 24.49                 | -0.03            | 1                                               | 01696                | QPSK       | 25      | 25        | 10 mm   | bottom | 1:1        | 0.138    | 1.002          | 0.138             |        |
| 707.50                                                                                            | 23095 | Mid    | LTE Band 12 | 10              | 25.5                        | 25.46                 | 0.02             | 0                                               | 01696                | QPSK       | 1       | 25        | 10 mm   | right  | 1:1        | 0.146    | 1.009          | 0.147             |        |
| 707.50                                                                                            | 23095 | Mid    | LTE Band 12 | 10              | 24.5                        | 24.49                 | -0.12            | 1                                               | 01696                | QPSK       | 25      | 25        | 10 mm   | right  | 1:1        | 0.129    | 1.002          | 0.129             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |       |        |             |                 |                             |                       |                  | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                      |            |         |           |         |        |            |          |                |                   |        |

**Table 11-47**  
**LTE Band 13 Hotspot SAR**

| MEASUREMENT RESULTS                                                                               |       |      |                 |                             |                       |                  |          |                                                 |            |         |           |         |       |            |          |                |                   |        |     |
|---------------------------------------------------------------------------------------------------|-------|------|-----------------|-----------------------------|-----------------------|------------------|----------|-------------------------------------------------|------------|---------|-----------|---------|-------|------------|----------|----------------|-------------------|--------|-----|
| FREQUENCY                                                                                         |       | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Device Serial Number                            | Modulation | RB Size | RB Offset | Spacing | Side  | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |     |
| MHz                                                                                               | Ch.   |      |                 |                             |                       |                  |          |                                                 |            |         |           |         |       |            | (W/kg)   |                | (W/kg)            |        |     |
| 782.00                                                                                            | 23230 | Mid  | LTE Band 13     | 10                          | 25.5                  | 25.22            | -0.15    | 0                                               | 01696      | QPSK    | 1         | 0       | 10 mm | back       | 1:1      | 0.330          | 1.067             | 0.352  | A40 |
| 782.00                                                                                            | 23230 | Mid  | LTE Band 13     | 10                          | 24.5                  | 24.34            | 0.05     | 1                                               | 01696      | QPSK    | 25        | 12      | 10 mm | back       | 1:1      | 0.269          | 1.038             | 0.279  |     |
| 782.00                                                                                            | 23230 | Mid  | LTE Band 13     | 10                          | 25.5                  | 25.22            | 0.01     | 0                                               | 01696      | QPSK    | 1         | 0       | 10 mm | front      | 1:1      | 0.292          | 1.067             | 0.312  |     |
| 782.00                                                                                            | 23230 | Mid  | LTE Band 13     | 10                          | 24.5                  | 24.34            | 0.01     | 1                                               | 01696      | QPSK    | 25        | 12      | 10 mm | front      | 1:1      | 0.235          | 1.038             | 0.244  |     |
| 782.00                                                                                            | 23230 | Mid  | LTE Band 13     | 10                          | 25.5                  | 25.22            | -0.03    | 0                                               | 01696      | QPSK    | 1         | 0       | 10 mm | bottom     | 1:1      | 0.176          | 1.067             | 0.188  |     |
| 782.00                                                                                            | 23230 | Mid  | LTE Band 13     | 10                          | 24.5                  | 24.34            | -0.07    | 1                                               | 01696      | QPSK    | 25        | 12      | 10 mm | bottom     | 1:1      | 0.163          | 1.038             | 0.169  |     |
| 782.00                                                                                            | 23230 | Mid  | LTE Band 13     | 10                          | 25.5                  | 25.22            | -0.08    | 0                                               | 01696      | QPSK    | 1         | 0       | 10 mm | right      | 1:1      | 0.094          | 1.067             | 0.100  |     |
| 782.00                                                                                            | 23230 | Mid  | LTE Band 13     | 10                          | 24.5                  | 24.34            | -0.20    | 1                                               | 01696      | QPSK    | 25        | 12      | 10 mm | right      | 1:1      | 0.085          | 1.038             | 0.088  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |       |      |                 |                             |                       |                  |          | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |         |           |         |       |            |          |                |                   |        |     |

|                                         |                                                                                                                                                                                                |                               |                                                                                       |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       | <br>Proud to be part of  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                             | DUT Type:<br>Portable Handset |                                                                                       | Page 191 of 227                 |

**Table 11-48**  
**LTE Band 26 (Cell) Hotspot SAR**

| MEASUREMENT RESULTS                                                                               |       |      |                    |                                   |                          |                     |          |                                                 |            |         |           |         |       |            |          |                |                      |        |     |
|---------------------------------------------------------------------------------------------------|-------|------|--------------------|-----------------------------------|--------------------------|---------------------|----------|-------------------------------------------------|------------|---------|-----------|---------|-------|------------|----------|----------------|----------------------|--------|-----|
| FREQUENCY                                                                                         |       | Mode | Bandwidth<br>[MHz] | Maximum<br>Allowed<br>Power [dBm] | Conducted<br>Power [dBm] | Power<br>Drift [dB] | MPR [dB] | Device Serial<br>Number                         | Modulation | RB Size | RB Offset | Spacing | Side  | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR<br>(1g) | Plot # |     |
| MHz                                                                                               | Ch.   |      |                    |                                   |                          |                     |          |                                                 |            |         |           |         |       |            | (W/kg)   |                | (W/kg)               |        |     |
| 831.50                                                                                            | 26865 | Mid  | LTE Band 26 (Cell) | 15                                | 25.5                     | 25.13               | -0.02    | 0                                               | 01712      | QPSK    | 1         | 36      | 10 mm | back       | 1:1      | 0.468          | 1.089                | 0.510  | A41 |
| 831.50                                                                                            | 26865 | Mid  | LTE Band 26 (Cell) | 15                                | 24.5                     | 24.23               | -0.04    | 1                                               | 01712      | QPSK    | 36        | 0       | 10 mm | back       | 1:1      | 0.400          | 1.064                | 0.426  |     |
| 831.50                                                                                            | 26865 | Mid  | LTE Band 26 (Cell) | 15                                | 25.5                     | 25.13               | -0.03    | 0                                               | 01712      | QPSK    | 1         | 36      | 10 mm | front      | 1:1      | 0.427          | 1.089                | 0.465  |     |
| 831.50                                                                                            | 26865 | Mid  | LTE Band 26 (Cell) | 15                                | 24.5                     | 24.23               | 0.02     | 1                                               | 01712      | QPSK    | 36        | 0       | 10 mm | front      | 1:1      | 0.367          | 1.064                | 0.390  |     |
| 831.50                                                                                            | 26865 | Mid  | LTE Band 26 (Cell) | 15                                | 25.5                     | 25.13               | -0.02    | 0                                               | 01712      | QPSK    | 1         | 36      | 10 mm | bottom     | 1:1      | 0.246          | 1.089                | 0.268  |     |
| 831.50                                                                                            | 26865 | Mid  | LTE Band 26 (Cell) | 15                                | 24.5                     | 24.23               | 0.03     | 1                                               | 01712      | QPSK    | 36        | 0       | 10 mm | bottom     | 1:1      | 0.222          | 1.064                | 0.236  |     |
| 831.50                                                                                            | 26865 | Mid  | LTE Band 26 (Cell) | 15                                | 25.5                     | 25.13               | -0.01    | 0                                               | 01712      | QPSK    | 1         | 36      | 10 mm | right      | 1:1      | 0.231          | 1.089                | 0.252  |     |
| 831.50                                                                                            | 26865 | Mid  | LTE Band 26 (Cell) | 15                                | 24.5                     | 24.23               | -0.05    | 1                                               | 01712      | QPSK    | 36        | 0       | 10 mm | right      | 1:1      | 0.196          | 1.064                | 0.209  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |       |      |                    |                                   |                          |                     |          | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |         |           |         |       |            |          |                |                      |        |     |

**Table 11-49**  
**LTE Band 66 (AWS) Hotspot SAR – Ant 2**

| MEASUREMENT RESULTS                                   |        |      |                   |                            |                             |                       |                  |          |                      |                                                 |         |           |         |       |            |          |                |                   |        |        |
|-------------------------------------------------------|--------|------|-------------------|----------------------------|-----------------------------|-----------------------|------------------|----------|----------------------|-------------------------------------------------|---------|-----------|---------|-------|------------|----------|----------------|-------------------|--------|--------|
| FREQUENCY                                             |        | Mode | Bandwidth [MHz]   | Dual Display Configuration | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Device Serial Number | Modulation                                      | RB Size | RB Offset | Spacing | Side  | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |        |
| MHz                                                   | Ch.    |      |                   |                            |                             |                       |                  |          |                      |                                                 |         |           |         |       |            | (W/kg)   |                |                   |        | (W/kg) |
| 1745.00                                               | 132322 | Mid  | LTE Band 66 (AWS) | 20                         | -                           | 23.2                  | 22.78            | 0.04     | 0                    | 01704                                           | QPSK    | 1         | 50      | 10 mm | back       | 1:1      | 0.557          | 1.102             | 0.614  |        |
| 1720.00                                               | 132072 | Low  | LTE Band 66 (AWS) | 20                         | 1                           | 25.2                  | 25.06            | -0.01    | 0                    | 01696                                           | QPSK    | 1         | 50      | 10 mm | back       | 1:1      | 0.776          | 1.033             | 0.802  |        |
| 1745.00                                               | 132322 | Mid  | LTE Band 66 (AWS) | 20                         | 1                           | 25.2                  | 24.91            | 0.04     | 0                    | 01696                                           | QPSK    | 1         | 50      | 10 mm | back       | 1:1      | 0.777          | 1.069             | 0.831  |        |
| 1770.00                                               | 132572 | High | LTE Band 66 (AWS) | 20                         | 1                           | 25.2                  | 25.10            | -0.04    | 0                    | 01696                                           | QPSK    | 1         | 0       | 10 mm | back       | 1:1      | 0.795          | 1.023             | 0.813  |        |
| 1745.00                                               | 132322 | Mid  | LTE Band 66 (AWS) | 20                         | -                           | 23.2                  | 22.76            | 0.07     | 0                    | 01704                                           | QPSK    | 50        | 0       | 10 mm | back       | 1:1      | 0.531          | 1.107             | 0.588  |        |
| 1745.00                                               | 132322 | Mid  | LTE Band 66 (AWS) | 20                         | -                           | 23.2                  | 22.78            | -0.07    | 0                    | 01704                                           | QPSK    | 1         | 50      | 10 mm | front      | 1:1      | 0.478          | 1.102             | 0.527  |        |
| 1770.00                                               | 132572 | High | LTE Band 66 (AWS) | 20                         | 3                           | 25.2                  | 25.10            | -0.01    | 0                    | 01696                                           | QPSK    | 1         | 0       | 10 mm | front      | 1:1      | 0.672          | 1.023             | 0.687  |        |
| 1745.00                                               | 132322 | Mid  | LTE Band 66 (AWS) | 20                         | -                           | 23.2                  | 22.76            | -0.04    | 0                    | 01704                                           | QPSK    | 50        | 0       | 10 mm | front      | 1:1      | 0.456          | 1.107             | 0.505  |        |
| 1720.00                                               | 132072 | Low  | LTE Band 66 (AWS) | 20                         | -                           | 23.2                  | 22.74            | -0.09    | 0                    | 01704                                           | QPSK    | 1         | 50      | 10 mm | bottom     | 1:1      | 0.694          | 1.112             | 0.772  |        |
| 1745.00                                               | 132322 | Mid  | LTE Band 66 (AWS) | 20                         | -                           | 23.2                  | 22.78            | -0.11    | 0                    | 01704                                           | QPSK    | 1         | 50      | 10 mm | bottom     | 1:1      | 0.833          | 1.102             | 0.918  |        |
| 1770.00                                               | 132572 | High | LTE Band 66 (AWS) | 20                         | -                           | 23.2                  | 22.76            | 0.12     | 0                    | 01704                                           | QPSK    | 1         | 50      | 10 mm | bottom     | 1:1      | 0.946          | 1.107             | 1.047  | A43    |
| 1720.00                                               | 132072 | Low  | LTE Band 66 (AWS) | 20                         | 1                           | 25.2                  | 25.06            | -0.05    | 0                    | 01696                                           | QPSK    | 1         | 50      | 10 mm | bottom     | 1:1      | 0.718          | 1.033             | 0.742  |        |
| 1745.00                                               | 132322 | Mid  | LTE Band 66 (AWS) | 20                         | 1                           | 25.2                  | 24.91            | 0.00     | 0                    | 01696                                           | QPSK    | 1         | 50      | 10 mm | bottom     | 1:1      | 0.907          | 1.069             | 0.970  |        |
| 1770.00                                               | 132572 | High | LTE Band 66 (AWS) | 20                         | 1                           | 25.2                  | 25.10            | -0.06    | 0                    | 01696                                           | QPSK    | 1         | 0       | 10 mm | bottom     | 1:1      | 0.836          | 1.023             | 0.855  |        |
| 1720.00                                               | 132072 | Low  | LTE Band 66 (AWS) | 20                         | -                           | 23.2                  | 22.73            | -0.10    | 0                    | 01704                                           | QPSK    | 50        | 50      | 10 mm | bottom     | 1:1      | 0.683          | 1.114             | 0.761  |        |
| 1745.00                                               | 132322 | Mid  | LTE Band 66 (AWS) | 20                         | -                           | 23.2                  | 22.76            | -0.12    | 0                    | 01704                                           | QPSK    | 50        | 0       | 10 mm | bottom     | 1:1      | 0.797          | 1.107             | 0.882  |        |
| 1770.00                                               | 132572 | High | LTE Band 66 (AWS) | 20                         | -                           | 23.2                  | 22.70            | 0.08     | 0                    | 01704                                           | QPSK    | 50        | 25      | 10 mm | bottom     | 1:1      | 0.876          | 1.122             | 0.983  |        |
| 1745.00                                               | 132322 | Mid  | LTE Band 66 (AWS) | 20                         | -                           | 23.2                  | 22.71            | -0.11    | 0                    | 01704                                           | QPSK    | 100       | 0       | 10 mm | bottom     | 1:1      | 0.817          | 1.119             | 0.914  |        |
| 1745.00                                               | 132322 | Mid  | LTE Band 66 (AWS) | 20                         | -                           | 23.2                  | 22.78            | -0.02    | 0                    | 01704                                           | QPSK    | 1         | 50      | 10 mm | left       | 1:1      | 0.176          | 1.102             | 0.194  |        |
| 1770.00                                               | 132572 | High | LTE Band 66 (AWS) | 20                         | 1                           | 25.2                  | 25.10            | -0.03    | 0                    | 01696                                           | QPSK    | 1         | 0       | 10 mm | left       | 1:1      | 0.105          | 1.023             | 0.107  |        |
| 1745.00                                               | 132322 | Mid  | LTE Band 66 (AWS) | 20                         | -                           | 23.2                  | 22.76            | -0.01    | 0                    | 01704                                           | QPSK    | 50        | 0       | 10 mm | left       | 1:1      | 0.172          | 1.107             | 0.190  |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak |        |      |                   |                            |                             |                       |                  |          |                      | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |         |           |         |       |            |          |                |                   |        |        |
| Uncontrolled Exposure/General Population              |        |      |                   |                            |                             |                       |                  |          |                      |                                                 |         |           |         |       |            |          |                |                   |        |        |

Note: 1) Green entries represent additional Hotspot SAR Position (DD #1: 0 degrees) 2) Light orange entries represent additional Hotspot SAR Position (DD #3: 360 degrees)

|                                         |                                                                                                                                                                                                |                               |                                                                                       |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       | <br>Proud to be part of  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                             | DUT Type:<br>Portable Handset |                                                                                       | Page 192 of 227                 |

**Table 11-50**  
**LTE Band 66 (AWS) Hotspot SAR – Ant 3**

| MEASUREMENT RESULTS                                                                               |        |      |                   |                             |                       |                  |          |                      |                                                 |         |           |         |       |            |          |                |                   |        |  |
|---------------------------------------------------------------------------------------------------|--------|------|-------------------|-----------------------------|-----------------------|------------------|----------|----------------------|-------------------------------------------------|---------|-----------|---------|-------|------------|----------|----------------|-------------------|--------|--|
| FREQUENCY                                                                                         |        | Mode | Bandwidth [MHz]   | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Device Serial Number | Modulation                                      | RB Size | RB Offset | Spacing | Side  | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |  |
| MHz                                                                                               | Ch.    |      |                   |                             |                       |                  |          |                      |                                                 |         |           |         |       |            | (W/kg)   |                | (W/kg)            |        |  |
| 1745.00                                                                                           | 132322 | Mid  | LTE Band 66 (AWS) | 20                          | 23.5                  | 23.50            | -0.04    | 0                    | 01704                                           | QPSK    | 1         | 50      | 10 mm | back       | 1:1      | 0.352          | 1.000             | 0.352  |  |
| 1745.00                                                                                           | 132322 | Mid  | LTE Band 66 (AWS) | 20                          | 22.5                  | 22.50            | -0.05    | 1                    | 01704                                           | QPSK    | 50        | 0       | 10 mm | back       | 1:1      | 0.285          | 1.000             | 0.285  |  |
| 1745.00                                                                                           | 132322 | Mid  | LTE Band 66 (AWS) | 20                          | 23.5                  | 23.50            | -0.06    | 0                    | 01704                                           | QPSK    | 1         | 50      | 10 mm | front      | 1:1      | 0.359          | 1.000             | 0.359  |  |
| 1745.00                                                                                           | 132322 | Mid  | LTE Band 66 (AWS) | 20                          | 22.5                  | 22.50            | 0.02     | 1                    | 01704                                           | QPSK    | 50        | 0       | 10 mm | front      | 1:1      | 0.262          | 1.000             | 0.262  |  |
| 1745.00                                                                                           | 132322 | Mid  | LTE Band 66 (AWS) | 20                          | 23.5                  | 23.50            | -0.02    | 0                    | 01704                                           | QPSK    | 1         | 50      | 10 mm | bottom     | 1:1      | 0.141          | 1.000             | 0.141  |  |
| 1745.00                                                                                           | 132322 | Mid  | LTE Band 66 (AWS) | 20                          | 22.5                  | 22.50            | -0.12    | 1                    | 01704                                           | QPSK    | 50        | 0       | 10 mm | bottom     | 1:1      | 0.099          | 1.000             | 0.099  |  |
| 1720.00                                                                                           | 132072 | Low  | LTE Band 66 (AWS) | 20                          | 23.5                  | 23.49            | -0.03    | 0                    | 01704                                           | QPSK    | 1         | 50      | 10 mm | right      | 1:1      | 0.617          | 1.002             | 0.618  |  |
| 1745.00                                                                                           | 132322 | Mid  | LTE Band 66 (AWS) | 20                          | 23.5                  | 23.50            | 0.03     | 0                    | 01704                                           | QPSK    | 1         | 50      | 10 mm | right      | 1:1      | 0.745          | 1.000             | 0.745  |  |
| 1770.00                                                                                           | 132572 | High | LTE Band 66 (AWS) | 20                          | 23.5                  | 23.49            | 0.01     | 0                    | 01704                                           | QPSK    | 1         | 50      | 10 mm | right      | 1:1      | 0.806          | 1.002             | 0.808  |  |
| 1745.00                                                                                           | 132322 | Mid  | LTE Band 66 (AWS) | 20                          | 22.5                  | 22.50            | 0.02     | 1                    | 01704                                           | QPSK    | 50        | 0       | 10 mm | right      | 1:1      | 0.579          | 1.000             | 0.579  |  |
| 1720.00                                                                                           | 132072 | Low  | LTE Band 66 (AWS) | 20                          | 22.5                  | 22.49            | 0.00     | 1                    | 01704                                           | QPSK    | 100       | 0       | 10 mm | right      | 1:1      | 0.519          | 1.002             | 0.520  |  |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |        |      |                   |                             |                       |                  |          |                      | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |         |           |         |       |            |          |                |                   |        |  |

**Table 11-51**  
**LTE Band 25 (PCS) Hotspot SAR – Ant 2**

| MEASUREMENT RESULTS                                   |       |      |                   |                            |                             |                       |                  |          |                                                 |            |         |           |         |       |            |          |                |                   |        |     |
|-------------------------------------------------------|-------|------|-------------------|----------------------------|-----------------------------|-----------------------|------------------|----------|-------------------------------------------------|------------|---------|-----------|---------|-------|------------|----------|----------------|-------------------|--------|-----|
| FREQUENCY                                             |       | Mode | Bandwidth [MHz]   | Dual Display Configuration | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Device Serial Number                            | Modulation | RB Size | RB Offset | Spacing | Side  | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |     |
| MHz                                                   | Ch.   |      |                   |                            |                             |                       |                  |          |                                                 |            |         |           |         |       |            | (W/kg)   |                | (W/kg)            |        |     |
| 1905.00                                               | 26590 | High | LTE Band 25 (PCS) | 20                         | -                           | 23.2                  | 22.99            | -0.06    | 0                                               | 01704      | QPSK    | 1         | 50      | 10 mm | back       | 1:1      | 0.415          | 1.050             | 0.436  |     |
| 1905.00                                               | 26590 | High | LTE Band 25 (PCS) | 20                         | 1                           | 25.2                  | 25.17            | 0.08     | 0                                               | 01704      | QPSK    | 1         | 50      | 10 mm | back       | 1:1      | 0.637          | 1.007             | 0.641  |     |
| 1905.00                                               | 26590 | High | LTE Band 25 (PCS) | 20                         | -                           | 23.2                  | 23.08            | 0.12     | 0                                               | 01704      | QPSK    | 50        | 0       | 10 mm | back       | 1:1      | 0.440          | 1.028             | 0.452  |     |
| 1905.00                                               | 26590 | High | LTE Band 25 (PCS) | 20                         | -                           | 23.2                  | 22.99            | 0.06     | 0                                               | 01704      | QPSK    | 1         | 50      | 10 mm | front      | 1:1      | 0.328          | 1.050             | 0.344  |     |
| 1905.00                                               | 26590 | High | LTE Band 25 (PCS) | 20                         | 3                           | 25.2                  | 25.17            | -0.19    | 0                                               | 01704      | QPSK    | 1         | 50      | 10 mm | front      | 1:1      | 0.742          | 1.007             | 0.747  |     |
| 1905.00                                               | 26590 | High | LTE Band 25 (PCS) | 20                         | -                           | 23.2                  | 23.08            | 0.14     | 0                                               | 01704      | QPSK    | 50        | 0       | 10 mm | front      | 1:1      | 0.345          | 1.028             | 0.355  |     |
| 1860.00                                               | 26140 | Low  | LTE Band 25 (PCS) | 20                         | -                           | 23.2                  | 22.92            | -0.03    | 0                                               | 01704      | QPSK    | 1         | 99      | 10 mm | bottom     | 1:1      | 0.854          | 1.067             | 0.911  |     |
| 1882.50                                               | 26365 | Mid  | LTE Band 25 (PCS) | 20                         | -                           | 23.2                  | 22.98            | 0.03     | 0                                               | 01704      | QPSK    | 1         | 50      | 10 mm | bottom     | 1:1      | 0.838          | 1.052             | 0.882  |     |
| 1905.00                                               | 26590 | High | LTE Band 25 (PCS) | 20                         | -                           | 23.2                  | 22.99            | -0.05    | 0                                               | 01704      | QPSK    | 1         | 50      | 10 mm | bottom     | 1:1      | 0.903          | 1.050             | 0.948  |     |
| 1905.00                                               | 26590 | High | LTE Band 25 (PCS) | 20                         | 1                           | 25.2                  | 25.17            | 0.17     | 0                                               | 01704      | QPSK    | 1         | 50      | 10 mm | bottom     | 1:1      | 0.542          | 1.007             | 0.546  |     |
| 1860.00                                               | 26140 | Low  | LTE Band 25 (PCS) | 20                         | -                           | 23.2                  | 23.04            | 0.04     | 0                                               | 01704      | QPSK    | 50        | 50      | 10 mm | bottom     | 1:1      | 0.857          | 1.038             | 0.890  |     |
| 1882.50                                               | 26365 | Mid  | LTE Band 25 (PCS) | 20                         | -                           | 23.2                  | 23.05            | -0.02    | 0                                               | 01704      | QPSK    | 50        | 50      | 10 mm | bottom     | 1:1      | 0.904          | 1.035             | 0.936  |     |
| 1905.00                                               | 26590 | High | LTE Band 25 (PCS) | 20                         | -                           | 23.2                  | 23.08            | 0.04     | 0                                               | 01704      | QPSK    | 50        | 0       | 10 mm | bottom     | 1:1      | 0.973          | 1.028             | 1.000  | A45 |
| 1905.00                                               | 26590 | High | LTE Band 25 (PCS) | 20                         | -                           | 23.2                  | 22.98            | -0.02    | 0                                               | 01704      | QPSK    | 100       | 0       | 10 mm | bottom     | 1:1      | 0.860          | 1.052             | 0.905  |     |
| 1905.00                                               | 26590 | High | LTE Band 25 (PCS) | 20                         | -                           | 23.2                  | 22.99            | 0.01     | 0                                               | 01704      | QPSK    | 1         | 50      | 10 mm | left       | 1:1      | 0.112          | 1.050             | 0.118  |     |
| 1905.00                                               | 26590 | High | LTE Band 25 (PCS) | 20                         | 1                           | 25.2                  | 25.17            | 0.15     | 0                                               | 01704      | QPSK    | 1         | 50      | 10 mm | left       | 1:1      | 0.077          | 1.007             | 0.078  |     |
| 1905.00                                               | 26590 | High | LTE Band 25 (PCS) | 20                         | -                           | 23.2                  | 23.08            | 0.02     | 0                                               | 01704      | QPSK    | 50        | 0       | 10 mm | left       | 1:1      | 0.120          | 1.028             | 0.123  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak |       |      |                   |                            |                             |                       |                  |          | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |         |           |         |       |            |          |                |                   |        |     |
| Uncontrolled Exposure/General Population              |       |      |                   |                            |                             |                       |                  |          |                                                 |            |         |           |         |       |            |          |                |                   |        |     |

Note: 1) Green entries represent additional Hotspot SAR Position (DD #1: 0 degrees) 2) Light orange entries represent additional Hotspot SAR Position (DD #3: 360 degrees)

|                                         |                                                                                                                                                                                                |                               |                                                                                       |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       | <br>Proud to be part of  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                             | DUT Type:<br>Portable Handset |                                                                                       | Page 193 of 227                 |

**Table 11-52**  
**LTE Band 2 (PCS) Hotspot SAR – Ant 3**

| MEASUREMENT RESULTS                      |       |      |                  |                             |                       |                  |          |                      |                      |            |         |           |         |       |            |          |                |                   |        |
|------------------------------------------|-------|------|------------------|-----------------------------|-----------------------|------------------|----------|----------------------|----------------------|------------|---------|-----------|---------|-------|------------|----------|----------------|-------------------|--------|
| FREQUENCY                                |       | Mode | Bandwidth [MHz]  | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Antenna Config.      | Device Serial Number | Modulation | RB Size | RB Offset | Spacing | Side  | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |
| MHz                                      | Ch.   |      |                  |                             |                       |                  |          |                      |                      |            |         |           |         |       |            | (W/kg)   |                | (W/kg)            |        |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 23.5                  | 23.50            | 0.04     | 0                    | Ant 3                | 01704      | QPSK    | 1         | 50      | 10 mm | back       | 1:1      | 1.000          | 0.403             |        |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 22.5                  | 22.38            | 0.12     | 1                    | Ant 3                | 01704      | QPSK    | 50        | 25      | 10 mm | back       | 1:1      | 1.028          | 0.339             |        |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 23.5                  | 23.50            | 0.05     | 0                    | Ant 3                | 01704      | QPSK    | 1         | 50      | 10 mm | front      | 1:1      | 1.000          | 0.346             |        |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 22.5                  | 22.38            | -0.05    | 1                    | Ant 3                | 01704      | QPSK    | 50        | 25      | 10 mm | front      | 1:1      | 1.028          | 0.286             |        |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 23.5                  | 23.50            | -0.02    | 0                    | Ant 3                | 01704      | QPSK    | 1         | 50      | 10 mm | bottom     | 1:1      | 1.000          | 0.274             |        |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 22.5                  | 22.38            | -0.11    | 1                    | Ant 3                | 01704      | QPSK    | 50        | 25      | 10 mm | bottom     | 1:1      | 1.028          | 0.212             |        |
| 1860.00                                  | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 23.5                  | 23.39            | -0.09    | 0                    | Ant 3                | 01704      | QPSK    | 1         | 50      | 10 mm | right      | 1:1      | 1.026          | 1.057             | A47    |
| 1880.00                                  | 18900 | Mid  | LTE Band 2 (PCS) | 20                          | 23.5                  | 23.21            | 0.09     | 0                    | Ant 3                | 01704      | QPSK    | 1         | 50      | 10 mm | right      | 1:1      | 1.069          | 1.068             |        |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 23.5                  | 23.50            | -0.02    | 0                    | Ant 3                | 01704      | QPSK    | 1         | 50      | 10 mm | right      | 1:1      | 1.000          | 1.000             |        |
| 1860.00                                  | 18700 | Low  | LTE Band 2 (PCS) | 20                          | 22.5                  | 22.37            | -0.18    | 1                    | Ant 3                | 01704      | QPSK    | 50        | 0       | 10 mm | right      | 1:1      | 1.030          | 0.789             |        |
| 1880.00                                  | 18900 | Mid  | LTE Band 2 (PCS) | 20                          | 22.5                  | 22.08            | 0.18     | 1                    | Ant 3                | 01704      | QPSK    | 50        | 0       | 10 mm | right      | 1:1      | 1.102          | 0.874             |        |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 22.5                  | 22.38            | -0.18    | 1                    | Ant 3                | 01704      | QPSK    | 50        | 25      | 10 mm | right      | 1:1      | 1.028          | 0.813             |        |
| 1900.00                                  | 19100 | High | LTE Band 2 (PCS) | 20                          | 22.5                  | 22.36            | -0.21    | 1                    | Ant 3                | 01704      | QPSK    | 100       | 0       | 10 mm | right      | 1:1      | 1.033          | 0.818             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |       |      |                  |                             |                       |                  |          | Body                 |                      |            |         |           |         |       |            |          |                |                   |        |
| Spatial Peak                             |       |      |                  |                             |                       |                  |          | 1.6 W/kg (mW/g)      |                      |            |         |           |         |       |            |          |                |                   |        |
| Uncontrolled Exposure/General Population |       |      |                  |                             |                       |                  |          | averaged over 1 gram |                      |            |         |           |         |       |            |          |                |                   |        |

**Table 11-53**  
**LTE Band 41 Hotspot SAR**

| MEASUREMENT RESULTS                      |                   |           |       |      |                 |                              |                             |                       |                  |          |                      |            |         |           |         |       |            |          |                   |
|------------------------------------------|-------------------|-----------|-------|------|-----------------|------------------------------|-----------------------------|-----------------------|------------------|----------|----------------------|------------|---------|-----------|---------|-------|------------|----------|-------------------|
| 1 CC Uplink - Power Class                | Component Carrier | FREQUENCY |       | Mode | Bandwidth [MHz] | Dual Display Configuration # | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Device Serial Number | Modulation | RB Size | RB Offset | Spacing | Side  | Duty Cycle | SAR (1g) | Reported SAR (1g) |
|                                          |                   | MHz       | Ch.   |      |                 |                              |                             |                       |                  |          |                      |            |         |           |         |       |            | (W/kg)   |                   |
| 1 CC Uplink - Power Class 3              | N/A               | 2506.00   | 39750 | Low  | LTE Band 41     | 20                           | -                           | 24.2                  | 24.20            | -0.02    | 0                    | 01712      | QPSK    | 1         | 0       | 10 mm | back       | 1:1.58   | 0.310             |
| 1 CC Uplink - Power Class 3              | N/A               | 2506.00   | 39750 | Low  | LTE Band 41     | 20                           | 1                           | 25.2                  | 24.62            | 0.11     | 0                    | 01712      | QPSK    | 1         | 50      | 10 mm | back       | 1:1.58   | 0.232             |
| 1 CC Uplink - Power Class 3              | N/A               | 2506.00   | 39750 | Low  | LTE Band 41     | 20                           | -                           | 24.2                  | 24.20            | 0.10     | 0                    | 01712      | QPSK    | 50        | 0       | 10 mm | back       | 1:1.58   | 0.252             |
| 1 CC Uplink - Power Class 3              | N/A               | 2506.00   | 39750 | Low  | LTE Band 41     | 20                           | -                           | 24.2                  | 24.20            | 0.07     | 0                    | 01712      | QPSK    | 1         | 0       | 10 mm | front      | 1:1.58   | 0.182             |
| 1 CC Uplink - Power Class 3              | N/A               | 2506.00   | 39750 | Low  | LTE Band 41     | 20                           | 3                           | 25.2                  | 24.62            | 0.01     | 0                    | 01712      | QPSK    | 1         | 50      | 10 mm | front      | 1:1.58   | 0.240             |
| 1 CC Uplink - Power Class 3              | N/A               | 2506.00   | 39750 | Low  | LTE Band 41     | 20                           | -                           | 24.2                  | 24.20            | 0.05     | 0                    | 01712      | QPSK    | 50        | 0       | 10 mm | front      | 1:1.58   | 0.181             |
| 1 CC Uplink - Power Class 3              | N/A               | 2506.00   | 39750 | Low  | LTE Band 41     | 20                           | -                           | 24.2                  | 24.20            | 0.01     | 0                    | 01712      | QPSK    | 1         | 0       | 10 mm | bottom     | 1:1.58   | 0.552             |
| 1 CC Uplink - Power Class 3              | N/A               | 2506.00   | 39750 | Low  | LTE Band 41     | 20                           | -                           | 24.2                  | 24.11            | 0.00     | 0                    | 01712      | QPSK    | 1         | 99      | 10 mm | bottom     | 1:1.58   | 0.587             |
| 1 CC Uplink - Power Class 3              | N/A               | 2506.00   | 39750 | Low  | LTE Band 41     | 20                           | 1                           | 25.2                  | 24.62            | 0.07     | 0                    | 01712      | QPSK    | 1         | 50      | 10 mm | bottom     | 1:1.58   | 0.275             |
| 1 CC Uplink - Power Class 3              | N/A               | 2506.00   | 39750 | Low  | LTE Band 41     | 20                           | -                           | 24.2                  | 24.20            | -0.03    | 0                    | 01712      | QPSK    | 50        | 0       | 10 mm | bottom     | 1:1.58   | 0.527             |
| 1 CC Uplink - Power Class 2              | N/A               | 2506.00   | 39750 | Low  | LTE Band 41     | 20                           | -                           | 26.7                  | 26.30            | 0.15     | 0                    | 01712      | QPSK    | 1         | 0       | 10 mm | bottom     | 1:2.31   | 0.632             |
| 1 CC Uplink - Power Class 2              | N/A               | 2506.00   | 39750 | Low  | LTE Band 41     | 20                           | -                           | 26.7                  | 26.41            | 0.10     | 0                    | 01712      | QPSK    | 1         | 99      | 10 mm | bottom     | 1:2.31   | 0.628             |
| 2 CC Uplink - Power Class 3              | PCC               | 2506.00   | 39750 | Low  | LTE Band 41     | 20                           | -                           | 24.2                  | 24.00            | -0.05    | 0                    | 01712      | QPSK    | 1         | 99      | 10 mm | bottom     | 1:1.58   | 0.529             |
| 2 CC Uplink - Power Class 3              | SCC               | 2525.80   | 39948 | Low  | LTE Band 41     | 20                           | -                           | 26.7                  | 26.03            | 0.13     | 0                    | 01712      | QPSK    | 1         | 0       | 10 mm | bottom     | 1:1.58   | 0.589             |
| 2 CC Uplink - Power Class 2              | PCC               | 2506.00   | 39750 | Low  | LTE Band 41     | 20                           | -                           | 26.7                  | 26.03            | 0.13     | 0                    | 01712      | QPSK    | 1         | 99      | 10 mm | bottom     | 1:2.31   | 0.589             |
| 2 CC Uplink - Power Class 2              | SCC               | 2525.80   | 39948 | Low  | LTE Band 41     | 20                           | -                           | 26.7                  | 26.03            | 0.13     | 0                    | 01712      | QPSK    | 1         | 0       | 10 mm | bottom     | 1:2.31   | 0.589             |
| 1 CC Uplink - Power Class 3              | N/A               | 2506.00   | 39750 | Low  | LTE Band 41     | 20                           | -                           | 24.2                  | 24.20            | 0.18     | 0                    | 01712      | QPSK    | 1         | 0       | 10 mm | left       | 1:1.58   | 0.089             |
| 1 CC Uplink - Power Class 3              | N/A               | 2506.00   | 39750 | Low  | LTE Band 41     | 20                           | 1                           | 25.2                  | 24.62            | 0.20     | 0                    | 01712      | QPSK    | 1         | 50      | 10 mm | left       | 1:1.58   | 0.035             |
| 1 CC Uplink - Power Class 3              | N/A               | 2506.00   | 39750 | Low  | LTE Band 41     | 20                           | -                           | 24.2                  | 24.20            | 0.12     | 0                    | 01712      | QPSK    | 50        | 0       | 10 mm | left       | 1:1.58   | 0.094             |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |                   |           |       |      |                 |                              |                             | Body                  |                  |          |                      |            |         |           |         |       |            |          |                   |
| Spatial Peak                             |                   |           |       |      |                 |                              |                             | 1.6 W/kg (mW/g)       |                  |          |                      |            |         |           |         |       |            |          |                   |
| Uncontrolled Exposure/General Population |                   |           |       |      |                 |                              |                             | averaged over 1 gram  |                  |          |                      |            |         |           |         |       |            |          |                   |

Note: 1) Green entries represent additional Hotspot SAR Position (DD #1: 0 degrees) 2) Light orange entries represent additional Hotspot SAR Position (DD #3: 360 degrees)

|                                         |                                                                                                                                                                                                |                               |                                                                                       |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       | <br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                             | DUT Type:<br>Portable Handset |                                                                                       | Page 194 of 227                 |

**Table 11-54**  
**NR Band n71 Hotspot SAR**

| MEASUREMENT RESULTS                                                                               |        |      |                 |                             |                       |                  |          |                                                 |            |                 |           |         |       |            |          |                |                   |        |     |
|---------------------------------------------------------------------------------------------------|--------|------|-----------------|-----------------------------|-----------------------|------------------|----------|-------------------------------------------------|------------|-----------------|-----------|---------|-------|------------|----------|----------------|-------------------|--------|-----|
| FREQUENCY                                                                                         |        | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Device Serial Number                            | Modulation | RB Size         | RB Offset | Spacing | Side  | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |     |
| MHz                                                                                               | Ch.    |      |                 |                             |                       |                  |          |                                                 |            |                 |           |         |       |            | (W/kg)   |                | (W/kg)            |        |     |
| 680.50                                                                                            | 136100 | Mid  | NR Band n71     | 20                          | 25.7                  | 25.36            | 0.00     | 0                                               | 01720      | DFT-S-OFDM QPSK | 1         | 53      | 10 mm | back       | 1:1      | 0.395          | 1.081             | 0.427  | A50 |
| 680.50                                                                                            | 136100 | Mid  | NR Band n71     | 20                          | 25.7                  | 25.46            | -0.08    | 0                                               | 01720      | DFT-S-OFDM QPSK | 50        | 28      | 10 mm | back       | 1:1      | 0.393          | 1.057             | 0.415  |     |
| 680.50                                                                                            | 136100 | Mid  | NR Band n71     | 20                          | 24.2                  | 23.91            | -0.03    | 1.5                                             | 01720      | CP-OFDM QPSK    | 1         | 1       | 10 mm | back       | 1:1      | 0.255          | 1.069             | 0.273  |     |
| 680.50                                                                                            | 136100 | Mid  | NR Band n71     | 20                          | 25.7                  | 25.36            | 0.01     | 0                                               | 01720      | DFT-S-OFDM QPSK | 1         | 53      | 10 mm | front      | 1:1      | 0.335          | 1.081             | 0.362  |     |
| 680.50                                                                                            | 136100 | Mid  | NR Band n71     | 20                          | 25.7                  | 25.46            | -0.03    | 0                                               | 01720      | DFT-S-OFDM QPSK | 50        | 28      | 10 mm | front      | 1:1      | 0.329          | 1.057             | 0.348  |     |
| 680.50                                                                                            | 136100 | Mid  | NR Band n71     | 20                          | 25.7                  | 25.36            | -0.11    | 0                                               | 01720      | DFT-S-OFDM QPSK | 1         | 53      | 10 mm | bottom     | 1:1      | 0.161          | 1.081             | 0.174  |     |
| 680.50                                                                                            | 136100 | Mid  | NR Band n71     | 20                          | 25.7                  | 25.46            | -0.01    | 0                                               | 01720      | DFT-S-OFDM QPSK | 50        | 28      | 10 mm | bottom     | 1:1      | 0.163          | 1.057             | 0.172  |     |
| 680.50                                                                                            | 136100 | Mid  | NR Band n71     | 20                          | 25.7                  | 25.36            | 0.14     | 0                                               | 01720      | DFT-S-OFDM QPSK | 1         | 53      | 10 mm | right      | 1:1      | 0.302          | 1.081             | 0.326  |     |
| 680.50                                                                                            | 136100 | Mid  | NR Band n71     | 20                          | 25.7                  | 25.46            | -0.02    | 0                                               | 01720      | DFT-S-OFDM QPSK | 50        | 28      | 10 mm | right      | 1:1      | 0.292          | 1.057             | 0.309  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |        |      |                 |                             |                       |                  |          | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |            |                 |           |         |       |            |          |                |                   |        |     |

**Table 11-55**  
**NR Band n66 (AWS) Antenna 2 Standalone Hotspot SAR**

| MEASUREMENT RESULTS                      |        |      |                   |                       |                             |                       |                  |          |                      |            |                 |           |         |       |            |          |                |                   |        |     |
|------------------------------------------|--------|------|-------------------|-----------------------|-----------------------------|-----------------------|------------------|----------|----------------------|------------|-----------------|-----------|---------|-------|------------|----------|----------------|-------------------|--------|-----|
| FREQUENCY                                |        | Mode | Bandwidth [MHz]   | Dual Display Position | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Device Serial Number | Modulation | RB Size         | RB Offset | Spacing | Side  | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |     |
| MHz                                      | Ch.    |      |                   |                       |                             |                       |                  |          |                      |            |                 |           |         |       |            | (W/kg)   |                | (W/kg)            |        |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 23.2                  | 23.01            | 0.06     | 0                    | 01720      | DFT-S-OFDM QPSK | 1         | 108     | 10 mm | back       | 1:1      | 0.724          | 1.045             | 0.757  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | 1                           | 25.2                  | 25.19            | 0.01     | 0                    | 01720      | DFT-S-OFDM QPSK | 1         | 108     | 10 mm | back       | 1:1      | 0.854          | 1.002             | 0.856  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 23.2                  | 22.95            | 0.21     | 0                    | 01720      | DFT-S-OFDM QPSK | 108       | 54      | 10 mm | back       | 1:1      | 0.720          | 1.059             | 0.762  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 23.2                  | 23.01            | -0.01    | 0                    | 01720      | DFT-S-OFDM QPSK | 1         | 108     | 10 mm | front      | 1:1      | 0.571          | 1.045             | 0.597  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | 3                           | 25.2                  | 25.19            | -0.15    | 0                    | 01720      | DFT-S-OFDM QPSK | 1         | 108     | 10 mm | front      | 1:1      | 1.070          | 1.002             | 1.072  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 23.2                  | 22.95            | 0.04     | 0                    | 01720      | DFT-S-OFDM QPSK | 108       | 54      | 10 mm | front      | 1:1      | 0.562          | 1.059             | 0.595  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 23.2                  | 23.01            | 0.19     | 0                    | 01720      | DFT-S-OFDM QPSK | 1         | 108     | 10 mm | bottom     | 1:1      | 1.150          | 1.045             | 1.202  | A52 |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | 1                           | 25.2                  | 25.19            | -0.16    | 0                    | 01720      | DFT-S-OFDM QPSK | 1         | 108     | 10 mm | bottom     | 1:1      | 0.709          | 1.002             | 0.710  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 23.2                  | 22.95            | -0.02    | 0                    | 01720      | DFT-S-OFDM QPSK | 108       | 54      | 10 mm | bottom     | 1:1      | 1.090          | 1.059             | 1.154  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 23.2                  | 22.51            | 0.15     | 0                    | 01720      | CP-OFDM QPSK    | 1         | 1       | 10 mm | bottom     | 1:1      | 0.986          | 1.172             | 1.156  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 23.2                  | 22.79            | 0.12     | 0                    | 01720      | DFT-S-OFDM QPSK | 216       | 0       | 10 mm | bottom     | 1:1      | 1.110          | 1.099             | 1.220  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 23.2                  | 23.01            | 0.08     | 0                    | 01720      | DFT-S-OFDM QPSK | 1         | 108     | 10 mm | left       | 1:1      | 0.242          | 1.045             | 0.253  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | 1                           | 25.2                  | 25.19            | 0.07     | 0                    | 01720      | DFT-S-OFDM QPSK | 1         | 108     | 10 mm | left       | 1:1      | 0.100          | 1.002             | 0.100  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 23.2                  | 22.95            | 0.00     | 0                    | 01720      | DFT-S-OFDM QPSK | 108       | 54      | 10 mm | left       | 1:1      | 0.228          | 1.059             | 0.241  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |        |      |                   |                       |                             |                       |                  |          | Body                 |            |                 |           |         |       |            |          |                |                   |        |     |
| Spatial Peak                             |        |      |                   |                       |                             |                       |                  |          | 1.6 W/kg (mW/g)      |            |                 |           |         |       |            |          |                |                   |        |     |
| Uncontrolled Exposure/General Population |        |      |                   |                       |                             |                       |                  |          | averaged over 1 gram |            |                 |           |         |       |            |          |                |                   |        |     |

Note: 1) Green entries represent additional Hotspot SAR Position (DD #1: 0 degrees) 2) Light orange entries represent additional Hotspot SAR Position (DD #3: 360 degrees)

|                                                |                                                                                                                                                                                                |                                      |                                                                                       |                                        |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              | <br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                      | <b>DUT Type:</b><br>Portable Handset | Page 195 of 227                                                                       |                                        |

**Table 11-56**  
**NR Band n66 (AWS) Antenna 3 Hotspot SAR**

| MEASUREMENT RESULTS                                   |        |      |                   |                       |                             |                       |                  |          |                      |                                                 |                 |           |         |       |            |          |                |                   |        |  |
|-------------------------------------------------------|--------|------|-------------------|-----------------------|-----------------------------|-----------------------|------------------|----------|----------------------|-------------------------------------------------|-----------------|-----------|---------|-------|------------|----------|----------------|-------------------|--------|--|
| FREQUENCY                                             |        | Mode | Bandwidth [MHz]   | Dual Display Position | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Device Serial Number | Modulation                                      | RB Size         | RB Offset | Spacing | Side  | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |  |
| MHz                                                   | Ch.    |      |                   |                       |                             |                       |                  |          |                      |                                                 |                 |           |         |       |            | (W/kg)   |                | (W/kg)            |        |  |
| 1745.00                                               | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 23.2                  | 23.06            | -0.03    | 0                    | 01720                                           | DFT-S-OFDM QPSK | 1         | 108     | 10 mm | back       | 1:1      | 0.508          | 1.033             | 0.525  |  |
| 1745.00                                               | 349000 | Mid  | NR Band n66 (AWS) | 40                    | 1                           | 25.2                  | 25.08            | 0.14     | 0                    | 01720                                           | DFT-S-OFDM QPSK | 1         | 108     | 10 mm | back       | 1:1      | 0.399          | 1.028             | 0.410  |  |
| 1745.00                                               | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 23.2                  | 23.14            | -0.07    | 0                    | 01720                                           | DFT-S-OFDM QPSK | 108       | 54      | 10 mm | back       | 1:1      | 0.520          | 1.014             | 0.527  |  |
| 1745.00                                               | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 23.2                  | 23.06            | -0.02    | 0                    | 01720                                           | DFT-S-OFDM QPSK | 1         | 108     | 10 mm | front      | 1:1      | 0.405          | 1.033             | 0.418  |  |
| 1745.00                                               | 349000 | Mid  | NR Band n66 (AWS) | 40                    | 3                           | 25.2                  | 25.08            | 0.01     | 0                    | 01720                                           | DFT-S-OFDM QPSK | 1         | 108     | 10 mm | front      | 1:1      | 0.560          | 1.028             | 0.576  |  |
| 1745.00                                               | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 23.2                  | 23.14            | 0.03     | 0                    | 01720                                           | DFT-S-OFDM QPSK | 108       | 54      | 10 mm | front      | 1:1      | 0.414          | 1.014             | 0.420  |  |
| 1745.00                                               | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 23.2                  | 23.06            | 0.03     | 0                    | 01720                                           | DFT-S-OFDM QPSK | 1         | 108     | 10 mm | bottom     | 1:1      | 0.135          | 1.033             | 0.139  |  |
| 1745.00                                               | 349000 | Mid  | NR Band n66 (AWS) | 40                    | 1                           | 25.2                  | 25.08            | 0.00     | 0                    | 01720                                           | DFT-S-OFDM QPSK | 1         | 108     | 10 mm | bottom     | 1:1      | 0.178          | 1.028             | 0.183  |  |
| 1745.00                                               | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 23.2                  | 23.14            | -0.14    | 0                    | 01720                                           | DFT-S-OFDM QPSK | 108       | 54      | 10 mm | bottom     | 1:1      | 0.153          | 1.014             | 0.155  |  |
| 1745.00                                               | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 23.2                  | 23.06            | -0.15    | 0                    | 01720                                           | DFT-S-OFDM QPSK | 1         | 108     | 10 mm | right      | 1:1      | 0.893          | 1.033             | 0.922  |  |
| 1745.00                                               | 349000 | Mid  | NR Band n66 (AWS) | 40                    | 1                           | 25.2                  | 25.08            | -0.12    | 0                    | 01720                                           | DFT-S-OFDM QPSK | 1         | 108     | 10 mm | right      | 1:1      | 1.110          | 1.028             | 1.141  |  |
| 1745.00                                               | 349000 | Mid  | NR Band n66 (AWS) | 40                    | 3                           | 25.2                  | 25.08            | -0.07    | 0                    | 01720                                           | DFT-S-OFDM QPSK | 1         | 108     | 10 mm | right      | 1:1      | 0.986          | 1.028             | 1.014  |  |
| 1745.00                                               | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 23.2                  | 23.14            | -0.12    | 0                    | 01720                                           | DFT-S-OFDM QPSK | 108       | 54      | 10 mm | right      | 1:1      | 0.911          | 1.014             | 0.924  |  |
| 1745.00                                               | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 23.2                  | 22.84            | -0.17    | 0                    | 01720                                           | CP-OFDM QPSK    | 1         | 1       | 10 mm | right      | 1:1      | 0.592          | 1.086             | 0.643  |  |
| 1745.00                                               | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 23.2                  | 23.00            | -0.17    | 0                    | 01720                                           | DFT-S-OFDM QPSK | 216       | 0       | 10 mm | right      | 1:1      | 0.881          | 1.047             | 0.922  |  |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak |        |      |                   |                       |                             |                       |                  |          |                      | Body<br>1.6 W/kg (mW/g)<br>averaged over 1 gram |                 |           |         |       |            |          |                |                   |        |  |
| Uncontrolled Exposure/General Population              |        |      |                   |                       |                             |                       |                  |          |                      |                                                 |                 |           |         |       |            |          |                |                   |        |  |

Note: 1) Green entries represent additional Hotspot SAR Position (DD #1: 0 degrees) 2) Light orange entries represent additional Hotspot SAR Position (DD #3: 360 degrees)

**Table 11-57**  
**NR Band n25 (PCS) Antenna 2 Standalone Hotspot SAR**

| MEASUREMENT RESULTS                      |        |        |                   |                 |                       |                             |                       |                  |          |                      |                 |         |           |         |        |            |          |                |                   |        |
|------------------------------------------|--------|--------|-------------------|-----------------|-----------------------|-----------------------------|-----------------------|------------------|----------|----------------------|-----------------|---------|-----------|---------|--------|------------|----------|----------------|-------------------|--------|
| No                                       |        |        | Mode              | Bandwidth [MHz] | Dual Display Position | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Device Serial Number | Modulation      | RB Size | RB Offset | Spacing | Side   | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |
| No                                       | Ch.    | (W/kg) |                   |                 |                       |                             |                       |                  |          |                      |                 |         |           |         |        |            | (W/kg)   |                |                   |        |
| No                                       | 376500 | Mid    | NR Band n25 (PCS) | 40              | -                     | 23.2                        | 22.65                 | 0.07             | 0        | 01720                | DFT-S-OFDM QPSK | 1       | 108       | 10 mm   | back   | 1:1        | 0.526    | 1.135          | 0.597             |        |
| 1882.50                                  | 376500 | Mid    | NR Band n25 (PCS) | 40              | 1                     | 25.2                        | 25.01                 | -0.16            | 0        | 01720                | DFT-S-OFDM QPSK | 1       | 108       | 10 mm   | back   | 1:1        | 0.657    | 1.045          | 0.687             |        |
| 1882.50                                  | 376500 | Mid    | NR Band n25 (PCS) | 40              | -                     | 23.2                        | 22.65                 | 0.18             | 0        | 01720                | DFT-S-OFDM QPSK | 108     | 54        | 10 mm   | back   | 1:1        | 0.548    | 1.135          | 0.622             |        |
| 1882.50                                  | 376500 | Mid    | NR Band n25 (PCS) | 40              | -                     | 23.2                        | 22.65                 | 0.09             | 0        | 01720                | DFT-S-OFDM QPSK | 1       | 108       | 10 mm   | front  | 1:1        | 0.374    | 1.135          | 0.424             |        |
| 1882.50                                  | 376500 | Mid    | NR Band n25 (PCS) | 40              | 3                     | 25.2                        | 25.01                 | 0.00             | 0        | 01720                | DFT-S-OFDM QPSK | 1       | 108       | 10 mm   | front  | 1:1        | 0.660    | 1.045          | 0.690             |        |
| 1882.50                                  | 376500 | Mid    | NR Band n25 (PCS) | 40              | -                     | 23.2                        | 22.65                 | 0.13             | 0        | 01720                | DFT-S-OFDM QPSK | 108     | 54        | 10 mm   | front  | 1:1        | 0.391    | 1.135          | 0.444             |        |
| 1882.50                                  | 376500 | Mid    | NR Band n25 (PCS) | 40              | -                     | 23.2                        | 22.65                 | -0.07            | 0        | 01720                | DFT-S-OFDM QPSK | 1       | 108       | 10 mm   | bottom | 1:1        | 1.140    | 1.135          | 1.294             | A54    |
| 1882.50                                  | 376500 | Mid    | NR Band n25 (PCS) | 40              | 1                     | 25.2                        | 25.01                 | -0.18            | 0        | 01720                | DFT-S-OFDM QPSK | 1       | 108       | 10 mm   | bottom | 1:1        | 0.739    | 1.045          | 0.772             |        |
| 1882.50                                  | 376500 | Mid    | NR Band n25 (PCS) | 40              | -                     | 23.2                        | 22.65                 | 0.02             | 0        | 01720                | DFT-S-OFDM QPSK | 108     | 54        | 10 mm   | bottom | 1:1        | 1.120    | 1.135          | 1.271             |        |
| 1882.50                                  | 376500 | Mid    | NR Band n25 (PCS) | 40              | -                     | 23.2                        | 22.36                 | 0.03             | 0        | 01720                | CP-OFDM QPSK    | 1       | 1         | 10 mm   | bottom | 1:1        | 1.040    | 1.213          | 1.262             |        |
| 1882.50                                  | 376500 | Mid    | NR Band n25 (PCS) | 40              | -                     | 23.2                        | 22.64                 | 0.12             | 0        | 01720                | DFT-S-OFDM QPSK | 216     | 0         | 10 mm   | bottom | 1:1        | 1.140    | 1.138          | 1.297             |        |
| 1882.50                                  | 376500 | Mid    | NR Band n25 (PCS) | 40              | -                     | 23.2                        | 22.65                 | -0.04            | 0        | 01720                | DFT-S-OFDM QPSK | 1       | 108       | 10 mm   | left   | 1:1        | 0.147    | 1.135          | 0.167             |        |
| 1882.50                                  | 376500 | Mid    | NR Band n25 (PCS) | 40              | 1                     | 25.2                        | 25.01                 | 0.10             | 0        | 01720                | DFT-S-OFDM QPSK | 1       | 108       | 10 mm   | left   | 1:1        | 0.026    | 1.045          | 0.027             |        |
| 1882.50                                  | 376500 | Mid    | NR Band n25 (PCS) | 40              | -                     | 23.2                        | 22.65                 | -0.04            | 0        | 01720                | DFT-S-OFDM QPSK | 108     | 54        | 10 mm   | left   | 1:1        | 0.150    | 1.135          | 0.170             |        |
| 1882.50                                  | 376500 | Mid    | NR Band n25 (PCS) | 40              | -                     | 23.2                        | 22.65                 | -0.05            | 0        | 01720                | DFT-S-OFDM QPSK | 1       | 108       | 10 mm   | bottom | 1:1        | 1.130    | 1.135          | 1.283             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |        |        |                   |                 |                       |                             |                       |                  |          | Body                 |                 |         |           |         |        |            |          |                |                   |        |
| Spatial Peak                             |        |        |                   |                 |                       |                             |                       |                  |          | 1.6 W/kg (mW/g)      |                 |         |           |         |        |            |          |                |                   |        |
| Uncontrolled Exposure/General Population |        |        |                   |                 |                       |                             |                       |                  |          | averaged over 1 gram |                 |         |           |         |        |            |          |                |                   |        |

Note: 1) Green entries represent additional Hotspot SAR Position (DD #1: 0 degrees) 2) Light orange entries represent additional Hotspot SAR Position (DD #3: 360 degrees) 3) Blue entry represents variability measurement.

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 196 of 227                 |



**Table 11-58**  
**NR Band n25 (PCS) Antenna 3 Hotspot SAR**

| MEASUREMENT RESULTS                                   |        |      |                   |                       |                             |                       |                  |          |                      |                         |                 |           |         |       |            |          |                |                   |        |  |
|-------------------------------------------------------|--------|------|-------------------|-----------------------|-----------------------------|-----------------------|------------------|----------|----------------------|-------------------------|-----------------|-----------|---------|-------|------------|----------|----------------|-------------------|--------|--|
| FREQUENCY                                             |        | Mode | Bandwidth [MHz]   | Dual Display Position | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Device Serial Number | Modulation              | RB Size         | RB Offset | Spacing | Side  | Duty Cycle | SAR (1g) | Scaling Factor | Reported SAR (1g) | Plot # |  |
| MHz                                                   | Ch.    |      |                   |                       |                             |                       |                  |          |                      |                         |                 |           |         |       |            | (W/kg)   |                | (W/kg)            |        |  |
| 1882.50                                               | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 23.2                  | 23.14            | -0.05    | 0                    | 01720                   | DFT-S-OFDM QPSK | 1         | 108     | 10 mm | back       | 1:1      | 0.424          | 1.014             | 0.430  |  |
| 1882.50                                               | 376500 | Mid  | NR Band n25 (PCS) | 40                    | 1                           | 25.2                  | 25.16            | 0.12     | 0                    | 01720                   | DFT-S-OFDM QPSK | 1         | 108     | 10 mm | back       | 1:1      | 0.546          | 1.009             | 0.551  |  |
| 1882.50                                               | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 23.2                  | 23.16            | -0.14    | 0                    | 01720                   | DFT-S-OFDM QPSK | 108       | 54      | 10 mm | back       | 1:1      | 0.464          | 1.009             | 0.468  |  |
| 1882.50                                               | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 23.2                  | 23.14            | 0.00     | 0                    | 01720                   | DFT-S-OFDM QPSK | 1         | 108     | 10 mm | front      | 1:1      | 0.314          | 1.014             | 0.318  |  |
| 1882.50                                               | 376500 | Mid  | NR Band n25 (PCS) | 40                    | 3                           | 25.2                  | 25.16            | 0.00     | 0                    | 01720                   | DFT-S-OFDM QPSK | 1         | 108     | 10 mm | front      | 1:1      | 0.429          | 1.009             | 0.433  |  |
| 1882.50                                               | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 23.2                  | 23.16            | -0.04    | 0                    | 01720                   | DFT-S-OFDM QPSK | 108       | 54      | 10 mm | front      | 1:1      | 0.345          | 1.009             | 0.348  |  |
| 1882.50                                               | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 23.2                  | 23.14            | -0.02    | 0                    | 01720                   | DFT-S-OFDM QPSK | 1         | 108     | 10 mm | bottom     | 1:1      | 0.240          | 1.014             | 0.243  |  |
| 1882.50                                               | 376500 | Mid  | NR Band n25 (PCS) | 40                    | 1                           | 25.2                  | 25.16            | 0.10     | 0                    | 01720                   | DFT-S-OFDM QPSK | 1         | 108     | 10 mm | bottom     | 1:1      | 0.135          | 1.009             | 0.136  |  |
| 1882.50                                               | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 23.2                  | 23.16            | -0.13    | 0                    | 01720                   | DFT-S-OFDM QPSK | 108       | 54      | 10 mm | bottom     | 1:1      | 0.236          | 1.009             | 0.238  |  |
| 1882.50                                               | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 23.2                  | 23.14            | -0.13    | 0                    | 01720                   | DFT-S-OFDM QPSK | 1         | 108     | 10 mm | right      | 1:1      | 0.976          | 1.014             | 0.990  |  |
| 1882.50                                               | 376500 | Mid  | NR Band n25 (PCS) | 40                    | 1                           | 25.2                  | 25.16            | -0.01    | 0                    | 01720                   | DFT-S-OFDM QPSK | 1         | 108     | 10 mm | right      | 1:1      | 1.090          | 1.009             | 1.100  |  |
| 1882.50                                               | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 23.2                  | 23.16            | 0.11     | 0                    | 01720                   | DFT-S-OFDM QPSK | 108       | 54      | 10 mm | right      | 1:1      | 0.986          | 1.009             | 0.995  |  |
| 1882.50                                               | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 23.2                  | 22.71            | 0.13     | 0                    | 01720                   | CP-OFDM QPSK    | 1         | 1       | 10 mm | right      | 1:1      | 0.872          | 1.119             | 0.976  |  |
| 1882.50                                               | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 23.2                  | 22.98            | -0.14    | 0                    | 01720                   | DFT-S-OFDM QPSK | 216       | 0       | 10 mm | right      | 1:1      | 0.977          | 1.052             | 1.028  |  |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak |        |      |                   |                       |                             |                       |                  |          |                      | Body<br>1.6 W/kg (mW/g) |                 |           |         |       |            |          |                |                   |        |  |
| Uncontrolled Exposure/General Population              |        |      |                   |                       |                             |                       |                  |          |                      | averaged over 1 gram    |                 |           |         |       |            |          |                |                   |        |  |

Note: 1) Green entries represent additional Hotspot SAR Position (DD #1: 0 degrees) 2) Light orange entries represent additional Hotspot SAR Position (DD #3: 360 degrees)

**Table 11-59**  
**NR Band n41 Hotspot SAR**

| MEASUREMENT RESULTS                                   |        |      |                 |                             |                       |                  |          |                                         |            |                 |           |         |       |                |          |                             |                             |                   |        |        |
|-------------------------------------------------------|--------|------|-----------------|-----------------------------|-----------------------|------------------|----------|-----------------------------------------|------------|-----------------|-----------|---------|-------|----------------|----------|-----------------------------|-----------------------------|-------------------|--------|--------|
| FREQUENCY                                             |        | Mode | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Device Serial Number                    | Modulation | RB Size         | RB Offset | Spacing | Side  | Duty Cycle (%) | SAR (1g) | Scaling Factor (Cond Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) | Plot # |        |
| MHz                                                   | Ch.    |      |                 |                             |                       |                  |          |                                         |            |                 |           |         |       |                | (W/kg)   |                             |                             | (W/kg)            |        | (W/kg) |
| 2592.99                                               | 518598 | Mid  | NR Band n41     | 100                         | 27.7                  | 27.61            | 0.00     | 0                                       | 01738      | DFT-S-OFDM QPSK | 1         | 137     | 10 mm | back           | 21.43    | 0.591                       | 1.021                       | 1.010             | 0.609  |        |
| 2592.99                                               | 518598 | Mid  | NR Band n41     | 100                         | 27.7                  | 27.58            | -0.13    | 0                                       | 01738      | DFT-S-OFDM QPSK | 135       | 69      | 10 mm | back           | 21.43    | 0.636                       | 1.028                       | 1.010             | 0.660  | A55    |
| 2592.99                                               | 518598 | Mid  | NR Band n41     | 100                         | 26.2                  | 26.08            | -0.06    | 1.5                                     | 01738      | CP-OFDM QPSK    | 1         | 1       | 10 mm | back           | 21.43    | 0.416                       | 1.028                       | 1.010             | 0.432  |        |
| 2592.99                                               | 518598 | Mid  | NR Band n41     | 100                         | 26.7                  | 26.29            | -0.02    | 1                                       | 01738      | DFT-S-OFDM QPSK | 270       | 0       | 10 mm | back           | 21.43    | 0.564                       | 1.099                       | 1.010             | 0.626  |        |
| 2592.99                                               | 518598 | Mid  | NR Band n41     | 100                         | 27.7                  | 27.61            | 0.19     | 0                                       | 01738      | DFT-S-OFDM QPSK | 1         | 137     | 10 mm | front          | 21.43    | 0.049                       | 1.021                       | 1.010             | 0.051  |        |
| 2592.99                                               | 518598 | Mid  | NR Band n41     | 100                         | 27.7                  | 27.58            | -0.06    | 0                                       | 01738      | DFT-S-OFDM QPSK | 135       | 69      | 10 mm | front          | 21.43    | 0.052                       | 1.028                       | 1.010             | 0.054  |        |
| 2592.99                                               | 518598 | Mid  | NR Band n41     | 100                         | 27.7                  | 27.61            | -0.06    | 0                                       | 01738      | DFT-S-OFDM QPSK | 1         | 137     | 10 mm | right          | 21.43    | 0.270                       | 1.021                       | 1.010             | 0.278  |        |
| 2592.99                                               | 518598 | Mid  | NR Band n41     | 100                         | 27.7                  | 27.58            | 0.06     | 0                                       | 01738      | DFT-S-OFDM QPSK | 135       | 69      | 10 mm | right          | 21.43    | 0.220                       | 1.028                       | 1.010             | 0.228  |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak |        |      |                 |                             |                       |                  |          | Body                                    |            |                 |           |         |       |                |          |                             |                             |                   |        |        |
| Uncontrolled Exposure/General Population              |        |      |                 |                             |                       |                  |          | 1.6 W/kg (mW/g)<br>averaged over 1 gram |            |                 |           |         |       |                |          |                             |                             |                   |        |        |

Note: The reported SAR was scaled to the 23.57% transmission duty factor to determine compliance since the duty factor of the device is permanently limited to 23.57% per the manufacturer.

|                                         |                                                                                                                                                                                                |                               |                                                                                       |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       | <br>Proud to be part of  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                             | DUT Type:<br>Portable Handset |                                                                                       | Page 197 of 227                 |

**Table 11-60**  
**WLAN Hotspot SAR**

| MEASUREMENT RESULTS                      |     |         |         |                 |                             |                       |                  |                      |                 |                      |                  |       |                |                       |          |                        |                             |                   |        |
|------------------------------------------|-----|---------|---------|-----------------|-----------------------------|-----------------------|------------------|----------------------|-----------------|----------------------|------------------|-------|----------------|-----------------------|----------|------------------------|-----------------------------|-------------------|--------|
| FREQUENCY                                |     | Mode    | Service | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Spacing              | Antenna Config. | Device Serial Number | Data Rate (Mbps) | Side  | Duty Cycle (%) | Peak SAR of Area Scan | SAR (1g) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) | Plot # |
| MHz                                      | Ch. |         |         |                 |                             |                       |                  |                      |                 |                      |                  |       |                | W/kg                  | (W/kg)   |                        |                             | (W/kg)            |        |
| 2437                                     | 6   | 802.11b | DSSS    | 22              | 21.0                        | 20.90                 | -0.04            | 10 mm                | 1               | 04732                | 1                | back  | 99.7           | 0.335                 | 0.224    | 1.023                  | 1.003                       | 0.230             |        |
| 2437                                     | 6   | 802.11b | DSSS    | 22              | 21.0                        | 20.90                 | 0.10             | 10 mm                | 1               | 04732                | 1                | front | 99.7           | 0.354                 | 0.235    | 1.023                  | 1.003                       | 0.241             |        |
| 2437                                     | 6   | 802.11b | DSSS    | 22              | 21.0                        | 20.90                 | 0.14             | 10 mm                | 1               | 04732                | 1                | top   | 99.7           | 0.209                 | -        | 1.023                  | 1.003                       | -                 |        |
| 2437                                     | 6   | 802.11b | DSSS    | 22              | 21.0                        | 20.90                 | 0.06             | 10 mm                | 1               | 04732                | 1                | left  | 99.7           | 0.675                 | 0.418    | 1.023                  | 1.003                       | 0.429             |        |
| 2437                                     | 6   | 802.11b | DSSS    | 22              | 21.0                        | 20.90                 | 0.07             | 10 mm                | 2               | 04732                | 1                | back  | 99.7           | 0.423                 | 0.282    | 1.023                  | 1.003                       | 0.289             |        |
| 2437                                     | 6   | 802.11b | DSSS    | 22              | 21.0                        | 20.90                 | 0.12             | 10 mm                | 2               | 04732                | 1                | front | 99.7           | 0.282                 | 0.180    | 1.023                  | 1.003                       | 0.185             |        |
| 2437                                     | 6   | 802.11b | DSSS    | 22              | 21.0                        | 20.90                 | -0.16            | 10 mm                | 2               | 04732                | 1                | top   | 99.7           | 0.416                 | -        | 1.023                  | 1.003                       | -                 |        |
| 2437                                     | 6   | 802.11b | DSSS    | 22              | 21.0                        | 20.90                 | 0.05             | 10 mm                | 2               | 04732                | 1                | left  | 99.7           | 0.062                 | -        | 1.023                  | 1.003                       | -                 |        |
| 5200                                     | 40  | 802.11a | OFDM    | 20              | 19.5                        | 19.32                 | -0.12            | 10 mm                | 1               | 01464                | 6                | back  | 97.6           | 1.294                 | 0.617    | 1.042                  | 1.025                       | 0.659             |        |
| 5200                                     | 40  | 802.11a | OFDM    | 20              | 19.5                        | 19.32                 | -0.18            | 10 mm                | 1               | 01464                | 6                | front | 97.6           | 0.083                 | 0.034    | 1.042                  | 1.025                       | 0.036             |        |
| 5200                                     | 40  | 802.11a | OFDM    | 20              | 19.5                        | 19.32                 | 0.00             | 10 mm                | 1               | 01464                | 6                | top   | 97.6           | 0.456                 | 0.213    | 1.042                  | 1.025                       | 0.227             |        |
| 5200                                     | 40  | 802.11a | OFDM    | 20              | 19.5                        | 19.32                 | -0.12            | 10 mm                | 1               | 01464                | 6                | left  | 97.6           | 0.152                 | -        | 1.042                  | 1.025                       | -                 |        |
| 5200                                     | 40  | 802.11a | OFDM    | 20              | 19.5                        | 18.58                 | 0.17             | 10 mm                | 2               | 01464                | 6                | back  | 97.8           | 0.368                 | 0.168    | 1.236                  | 1.022                       | 0.212             |        |
| 5200                                     | 40  | 802.11a | OFDM    | 20              | 19.5                        | 18.58                 | 0.20             | 10 mm                | 2               | 01464                | 6                | front | 97.8           | 0.126                 | 0.050    | 1.236                  | 1.022                       | 0.063             |        |
| 5200                                     | 40  | 802.11a | OFDM    | 20              | 19.5                        | 18.58                 | 0.11             | 10 mm                | 2               | 01464                | 6                | top   | 97.8           | 0.236                 | -        | 1.236                  | 1.022                       | -                 |        |
| 5200                                     | 40  | 802.11a | OFDM    | 20              | 19.5                        | 18.58                 | -0.17            | 10 mm                | 2               | 01464                | 6                | left  | 97.8           | 0.077                 | -        | 1.236                  | 1.022                       | -                 |        |
| 5745                                     | 149 | 802.11a | OFDM    | 20              | 17.7                        | 16.72                 | -0.15            | 10 mm                | 1               | 01464                | 6                | back  | 97.6           | 0.859                 | 0.456    | 1.253                  | 1.025                       | 0.586             |        |
| 5785                                     | 157 | 802.11a | OFDM    | 20              | 19.9                        | 19.07                 | -0.18            | 10 mm                | 1               | 01464                | 6                | back  | 97.6           | 1.387                 | 0.707    | 1.211                  | 1.025                       | 0.878             |        |
| 5825                                     | 165 | 802.11a | OFDM    | 20              | 19.8                        | 18.88                 | -0.18            | 10 mm                | 1               | 01464                | 6                | back  | 97.6           | 1.387                 | 0.735    | 1.236                  | 1.025                       | 0.931             |        |
| 5785                                     | 157 | 802.11a | OFDM    | 20              | 19.9                        | 19.07                 | 0.20             | 10 mm                | 1               | 01464                | 6                | front | 97.6           | 0.027                 | 0.006    | 1.211                  | 1.025                       | 0.007             |        |
| 5785                                     | 157 | 802.11a | OFDM    | 20              | 19.9                        | 19.07                 | 0.11             | 10 mm                | 1               | 01464                | 6                | top   | 97.6           | 0.532                 | 0.229    | 1.211                  | 1.025                       | 0.284             |        |
| 5785                                     | 157 | 802.11a | OFDM    | 20              | 19.9                        | 19.07                 | -0.12            | 10 mm                | 1               | 01464                | 6                | left  | 97.6           | 0.372                 | -        | 1.211                  | 1.025                       | -                 |        |
| 5785                                     | 157 | 802.11a | OFDM    | 20              | 19.9                        | 18.99                 | 0.00             | 10 mm                | 2               | 01464                | 6                | back  | 97.8           | 0.751                 | 0.330    | 1.233                  | 1.022                       | 0.416             |        |
| 5785                                     | 157 | 802.11a | OFDM    | 20              | 19.9                        | 18.99                 | 0.00             | 10 mm                | 2               | 01464                | 6                | front | 97.8           | 0.253                 | 0.113    | 1.233                  | 1.022                       | 0.142             |        |
| 5785                                     | 157 | 802.11a | OFDM    | 20              | 19.9                        | 18.99                 | 0.11             | 10 mm                | 2               | 01464                | 6                | top   | 97.8           | 0.496                 | 0.213    | 1.233                  | 1.022                       | 0.268             |        |
| 5785                                     | 157 | 802.11a | OFDM    | 20              | 19.9                        | 18.99                 | 0.18             | 10 mm                | 2               | 01464                | 6                | left  | 97.8           | 0.338                 | -        | 1.233                  | 1.022                       | -                 |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |     |         |         |                 |                             |                       |                  | Body                 |                 |                      |                  |       |                |                       |          |                        |                             |                   |        |
| Spatial Peak                             |     |         |         |                 |                             |                       |                  | 1.6 W/kg (mW/g)      |                 |                      |                  |       |                |                       |          |                        |                             |                   |        |
| Uncontrolled Exposure/General Population |     |         |         |                 |                             |                       |                  | averaged over 1 gram |                 |                      |                  |       |                |                       |          |                        |                             |                   |        |

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 198 of 227                 |

**Table 11-61**  
**WLAN Hotspot SAR for Conditions with EN-DC Active**

| MEASUREMENT RESULTS                      |     |         |         |                 |                             |                       |                  |                      |                 |                      |                  |       |                |                       |          |                        |                             |                   |        |
|------------------------------------------|-----|---------|---------|-----------------|-----------------------------|-----------------------|------------------|----------------------|-----------------|----------------------|------------------|-------|----------------|-----------------------|----------|------------------------|-----------------------------|-------------------|--------|
| FREQUENCY                                |     | Mode    | Service | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Spacing              | Antenna Config. | Device Serial Number | Data Rate (Mbps) | Side  | Duty Cycle (%) | Peak SAR of Area Scan | SAR (1g) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) | Plot # |
| MHz                                      | Ch. |         |         |                 |                             |                       |                  |                      |                 |                      |                  |       |                | W/kg                  | (W/kg)   |                        |                             | (W/kg)            |        |
| 2437                                     | 6   | 802.11b | DSSS    | 22              | 16.0                        | 15.80                 | -0.20            | 10 mm                | 1               | 01464                | 1                | back  | 99.7           | 0.101                 | 0.066    | 1.047                  | 1.003                       | 0.069             |        |
| 2437                                     | 6   | 802.11b | DSSS    | 22              | 16.0                        | 15.80                 | 0.11             | 10 mm                | 1               | 01464                | 1                | front | 99.7           | 0.087                 | -        | 1.047                  | 1.003                       | -                 |        |
| 2437                                     | 6   | 802.11b | DSSS    | 22              | 16.0                        | 15.80                 | -0.03            | 10 mm                | 1               | 01464                | 1                | top   | 99.7           | 0.084                 | -        | 1.047                  | 1.003                       | -                 |        |
| 2437                                     | 6   | 802.11b | DSSS    | 22              | 16.0                        | 15.80                 | -0.11            | 10 mm                | 1               | 01464                | 1                | left  | 99.7           | 0.202                 | 0.119    | 1.047                  | 1.003                       | 0.125             |        |
| 2412                                     | 1   | 802.11b | DSSS    | 22              | 16.0                        | 15.86                 | -0.16            | 10 mm                | 2               | 01464                | 1                | back  | 99.7           | 0.099                 | 0.073    | 1.033                  | 1.003                       | 0.076             |        |
| 2412                                     | 1   | 802.11b | DSSS    | 22              | 16.0                        | 15.86                 | -0.14            | 10 mm                | 2               | 01464                | 1                | front | 99.7           | 0.056                 | -        | 1.033                  | 1.003                       | -                 |        |
| 2412                                     | 1   | 802.11b | DSSS    | 22              | 16.0                        | 15.86                 | 0.07             | 10 mm                | 2               | 01464                | 1                | top   | 99.7           | 0.091                 | -        | 1.033                  | 1.003                       | -                 |        |
| 2412                                     | 1   | 802.11b | DSSS    | 22              | 16.0                        | 15.86                 | -0.15            | 10 mm                | 2               | 01464                | 1                | left  | 99.7           | 0.020                 | -        | 1.033                  | 1.003                       | -                 |        |
| 5200                                     | 40  | 802.11a | OFDM    | 20              | 17.0                        | 16.61                 | -0.01            | 10 mm                | 1               | 01464                | 6                | back  | 97.6           | 0.644                 | 0.336    | 1.094                  | 1.025                       | 0.377             |        |
| 5200                                     | 40  | 802.11a | OFDM    | 20              | 17.0                        | 16.61                 | 0.11             | 10 mm                | 1               | 01464                | 6                | front | 97.6           | 0.155                 | 0.049    | 1.094                  | 1.025                       | 0.055             |        |
| 5200                                     | 40  | 802.11a | OFDM    | 20              | 17.0                        | 16.61                 | 0.15             | 10 mm                | 1               | 01464                | 6                | top   | 97.6           | 0.254                 | 0.118    | 1.094                  | 1.025                       | 0.132             |        |
| 5200                                     | 40  | 802.11a | OFDM    | 20              | 17.0                        | 16.61                 | 0.17             | 10 mm                | 1               | 01464                | 6                | left  | 97.6           | 0.225                 | 0.104    | 1.094                  | 1.025                       | 0.117             |        |
| 5200                                     | 40  | 802.11a | OFDM    | 20              | 17.0                        | 16.78                 | 0.16             | 10 mm                | 2               | 01464                | 6                | back  | 97.8           | 0.182                 | 0.103    | 1.052                  | 1.022                       | 0.111             |        |
| 5200                                     | 40  | 802.11a | OFDM    | 20              | 17.0                        | 16.78                 | 0.20             | 10 mm                | 2               | 01464                | 6                | front | 97.8           | 0.094                 | 0.028    | 1.052                  | 1.022                       | 0.030             |        |
| 5200                                     | 40  | 802.11a | OFDM    | 20              | 17.0                        | 16.78                 | 0.11             | 10 mm                | 2               | 01464                | 6                | top   | 97.8           | 0.155                 | 0.070    | 1.052                  | 1.022                       | 0.075             |        |
| 5200                                     | 40  | 802.11a | OFDM    | 20              | 17.0                        | 16.78                 | 0.07             | 10 mm                | 2               | 01464                | 6                | left  | 97.8           | 0.040                 | 0.015    | 1.052                  | 1.022                       | 0.016             |        |
| 5825                                     | 165 | 802.11a | OFDM    | 20              | 17.0                        | 16.72                 | -0.03            | 10 mm                | 1               | 01464                | 6                | back  | 97.6           | 0.938                 | 0.520    | 1.067                  | 1.025                       | 0.569             |        |
| 5825                                     | 165 | 802.11a | OFDM    | 20              | 17.0                        | 16.72                 | 0.20             | 10 mm                | 1               | 01464                | 6                | front | 97.6           | 0.033                 | 0.010    | 1.067                  | 1.025                       | 0.011             |        |
| 5825                                     | 165 | 802.11a | OFDM    | 20              | 17.0                        | 16.72                 | 0.14             | 10 mm                | 1               | 01464                | 6                | top   | 97.6           | 0.325                 | 0.127    | 1.067                  | 1.025                       | 0.139             |        |
| 5825                                     | 165 | 802.11a | OFDM    | 20              | 17.0                        | 16.72                 | 0.19             | 10 mm                | 1               | 01464                | 6                | left  | 97.6           | 0.402                 | 0.163    | 1.067                  | 1.025                       | 0.178             |        |
| 5785                                     | 157 | 802.11a | OFDM    | 20              | 17.0                        | 16.80                 | 0.12             | 10 mm                | 2               | 01464                | 6                | back  | 97.8           | 0.382                 | 0.191    | 1.047                  | 1.022                       | 0.204             |        |
| 5785                                     | 157 | 802.11a | OFDM    | 20              | 17.0                        | 16.80                 | 0.20             | 10 mm                | 2               | 01464                | 6                | front | 97.8           | 0.116                 | 0.058    | 1.047                  | 1.022                       | 0.062             |        |
| 5785                                     | 157 | 802.11a | OFDM    | 20              | 17.0                        | 16.80                 | -0.20            | 10 mm                | 2               | 01464                | 6                | top   | 97.8           | 0.262                 | 0.123    | 1.047                  | 1.022                       | 0.132             |        |
| 5785                                     | 157 | 802.11a | OFDM    | 20              | 17.0                        | 16.80                 | 0.11             | 10 mm                | 2               | 01464                | 6                | left  | 97.8           | 0.187                 | 0.080    | 1.047                  | 1.022                       | 0.086             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |     |         |         |                 |                             |                       |                  | Body                 |                 |                      |                  |       |                |                       |          |                        |                             |                   |        |
| Spatial Peak                             |     |         |         |                 |                             |                       |                  | 1.6 W/kg (mW/g)      |                 |                      |                  |       |                |                       |          |                        |                             |                   |        |
| Uncontrolled Exposure/General Population |     |         |         |                 |                             |                       |                  | averaged over 1 gram |                 |                      |                  |       |                |                       |          |                        |                             |                   |        |

|                                         |                                                                                                                                                                                                               |                               |                                                                                       |                                 |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       | <br><small>Proud to be part of</small>  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                                            | DUT Type:<br>Portable Handset |                                                                                       | Page 199 of 227                 |

**Table 11-62**  
**WLAN MIMO Hotspot SAR**

| MEASUREMENT RESULTS                      |     |         |         |                 |                                     |                               |                                     |                               |                  |         |                      |                      |                  |       |                |                       |          |                        |                             |                   |        |
|------------------------------------------|-----|---------|---------|-----------------|-------------------------------------|-------------------------------|-------------------------------------|-------------------------------|------------------|---------|----------------------|----------------------|------------------|-------|----------------|-----------------------|----------|------------------------|-----------------------------|-------------------|--------|
| FREQUENCY                                |     | Mode    | Service | Bandwidth [MHz] | Maximum Allowed Power (Ant 1) [dBm] | Conducted Power (Ant 1) [dBm] | Maximum Allowed Power (Ant 2) [dBm] | Conducted Power (Ant 2) [dBm] | Power Drift [dB] | Spacing | Antenna Config.      | Device Serial Number | Data Rate (Mbps) | Side  | Duty Cycle (%) | Peak SAR of Area Scan | SAR (1g) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) | Plot # |
| MHz                                      | Ch. |         |         |                 |                                     |                               |                                     |                               |                  |         |                      |                      |                  |       |                | W/kg                  | (W/kg)   | (W/kg)                 | (W/kg)                      |                   |        |
| 2437                                     | 6   | 802.11b | DSSS    | 22              | 21.0                                | 20.90                         | 21.0                                | 20.90                         | -0.01            | 10 mm   | MIMO                 | 01456                | 1                | back  | 99.7           | 0.727                 | 0.498    | 1.023                  | 1.003                       | 0.511             |        |
| 2437                                     | 6   | 802.11b | DSSS    | 22              | 21.0                                | 20.90                         | 21.0                                | 20.90                         | 0.15             | 10 mm   | MIMO                 | 01456                | 1                | front | 99.7           | 0.495                 | -        | 1.023                  | 1.003                       | -                 |        |
| 2437                                     | 6   | 802.11b | DSSS    | 22              | 21.0                                | 20.90                         | 21.0                                | 20.90                         | 0.20             | 10 mm   | MIMO                 | 01456                | 1                | top   | 99.7           | 0.825                 | 0.536    | 1.023                  | 1.003                       | 0.550             |        |
| 2412                                     | 1   | 802.11b | DSSS    | 22              | 21.0                                | 20.87                         | 21.0                                | 20.74                         | 0.13             | 10 mm   | MIMO                 | 01456                | 1                | left  | 99.7           | 0.862                 | 0.545    | 1.062                  | 1.003                       | 0.581             |        |
| 2437                                     | 6   | 802.11b | DSSS    | 22              | 21.0                                | 20.90                         | 21.0                                | 20.90                         | 0.17             | 10 mm   | MIMO                 | 01456                | 1                | left  | 99.7           | 1.058                 | 0.638    | 1.023                  | 1.003                       | 0.655             |        |
| 2462                                     | 11  | 802.11b | DSSS    | 22              | 21.0                                | 20.90                         | 21.0                                | 20.86                         | 0.12             | 10 mm   | MIMO                 | 01456                | 1                | left  | 99.7           | 0.927                 | 0.641    | 1.033                  | 1.003                       | 0.664             | A57    |
| 5200                                     | 40  | 802.11n | OFDM    | 20              | 19.5                                | 19.11                         | 19.5                                | 18.59                         | 0.13             | 10 mm   | MIMO                 | 01464                | 13               | back  | 97.6           | 1.403                 | 0.625    | 1.233                  | 1.025                       | 0.790             |        |
| 5200                                     | 40  | 802.11n | OFDM    | 20              | 19.5                                | 19.11                         | 19.5                                | 18.59                         | 0.20             | 10 mm   | MIMO                 | 01464                | 13               | front | 97.6           | 0.378                 | 0.171    | 1.233                  | 1.025                       | 0.216             |        |
| 5200                                     | 40  | 802.11n | OFDM    | 20              | 19.5                                | 19.11                         | 19.5                                | 18.59                         | 0.15             | 10 mm   | MIMO                 | 01464                | 13               | top   | 97.6           | 0.487                 | -        | 1.233                  | 1.025                       | -                 |        |
| 5200                                     | 40  | 802.11n | OFDM    | 20              | 19.5                                | 19.11                         | 19.5                                | 18.59                         | 0.19             | 10 mm   | MIMO                 | 01464                | 13               | left  | 97.6           | 0.491                 | 0.222    | 1.233                  | 1.025                       | 0.281             |        |
| 5745                                     | 149 | 802.11n | OFDM    | 20              | 17.4                                | 16.52                         | 17.4                                | 16.84                         | -0.17            | 10 mm   | MIMO                 | 01464                | 13               | back  | 97.6           | 1.434                 | 0.591    | 1.225                  | 1.025                       | 0.742             |        |
| 5785                                     | 157 | 802.11n | OFDM    | 20              | 19.9                                | 18.90                         | 19.9                                | 18.90                         | -0.15            | 10 mm   | MIMO                 | 01464                | 13               | back  | 97.6           | 1.740                 | 0.855    | 1.259                  | 1.025                       | 1.103             | A58    |
| 5825                                     | 165 | 802.11n | OFDM    | 20              | 19.6                                | 18.70                         | 19.6                                | 18.70                         | -0.10            | 10 mm   | MIMO                 | 01464                | 13               | back  | 97.6           | 1.923                 | 0.796    | 1.230                  | 1.025                       | 1.004             |        |
| 5785                                     | 157 | 802.11n | OFDM    | 20              | 19.9                                | 18.90                         | 19.9                                | 18.90                         | -0.12            | 10 mm   | MIMO                 | 01464                | 13               | front | 97.6           | 0.283                 | 0.118    | 1.259                  | 1.025                       | 0.152             |        |
| 5785                                     | 157 | 802.11n | OFDM    | 20              | 19.9                                | 18.90                         | 19.9                                | 18.90                         | 0.17             | 10 mm   | MIMO                 | 01464                | 13               | top   | 97.6           | 0.872                 | 0.295    | 1.259                  | 1.025                       | 0.381             |        |
| 5785                                     | 157 | 802.11n | OFDM    | 20              | 19.9                                | 18.90                         | 19.9                                | 18.90                         | 0.15             | 10 mm   | MIMO                 | 01464                | 13               | left  | 97.6           | 0.810                 | -        | 1.259                  | 1.025                       | -                 |        |
| 5785                                     | 157 | 802.11n | OFDM    | 20              | 19.9                                | 18.90                         | 19.9                                | 18.90                         | -0.17            | 10 mm   | MIMO                 | 01464                | 13               | back  | 97.6           | 2.008                 | 0.830    | 1.259                  | 1.025                       | 1.071             |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |     |         |         |                 |                                     |                               |                                     |                               |                  |         | Body                 |                      |                  |       |                |                       |          |                        |                             |                   |        |
| Spatial Peak                             |     |         |         |                 |                                     |                               |                                     |                               |                  |         | 1.6 W/kg (mW/g)      |                      |                  |       |                |                       |          |                        |                             |                   |        |
| Uncontrolled Exposure/General Population |     |         |         |                 |                                     |                               |                                     |                               |                  |         | averaged over 1 gram |                      |                  |       |                |                       |          |                        |                             |                   |        |

Note: To achieve the 24.0 dBm maximum allowed MIMO power shown in the documentation for channel 1, 6, & 11, each antenna transmits at a maximum allowed power of 21.0 dBm. To achieve the 22.5 dBm maximum allowed MIMO power shown in the documentation for channel 40, each antenna transmits at a maximum allowed power of 19.5 dBm. To achieve the 20.4 dBm maximum allowed MIMO power shown in the documentation for channel 149, each antenna transmits at a maximum allowed power of 17.4 dBm. To achieve the 22.9 dBm maximum allowed MIMO power shown in the documentation for channel 157, each antenna transmits at a maximum allowed power of 19.9 dBm. To achieve the 22.6 dBm maximum allowed MIMO power shown in the documentation for channel 165, each antenna transmits at a maximum allowed power of 19.6 dBm. Blue entries represent variability measurements.

**Table 11-63**  
**DSS Hotspot SAR**

| MEASUREMENT RESULTS                      |     |           |         |                             |                       |                  |                      |                      |                  |       |                |          |                             |                             |                   |        |  |
|------------------------------------------|-----|-----------|---------|-----------------------------|-----------------------|------------------|----------------------|----------------------|------------------|-------|----------------|----------|-----------------------------|-----------------------------|-------------------|--------|--|
| FREQUENCY                                |     | Mode      | Service | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Spacing              | Device Serial Number | Data Rate (Mbps) | Side  | Duty Cycle (%) | SAR (1g) | Scaling Factor (Cond Power) | Scaling Factor (Duty Cycle) | Reported SAR (1g) | Plot # |  |
| MHz                                      | Ch. |           |         |                             |                       |                  |                      |                      |                  |       |                | (W/kg)   |                             |                             | (W/kg)            |        |  |
| 2441                                     | 39  | Bluetooth | FHSS    | 11.0                        | 10.38                 | -0.08            | 10 mm                | 01456                | 1                | back  | 77.1           | 0.022    | 1.153                       | 1.297                       | 0.033             |        |  |
| 2441                                     | 39  | Bluetooth | FHSS    | 11.0                        | 10.38                 | 0.03             | 10 mm                | 01456                | 1                | front | 77.1           | 0.019    | 1.153                       | 1.297                       | 0.028             |        |  |
| 2441                                     | 39  | Bluetooth | FHSS    | 11.0                        | 10.38                 | 0.08             | 10 mm                | 01456                | 1                | top   | 77.1           | 0.021    | 1.153                       | 1.297                       | 0.031             |        |  |
| 2441                                     | 39  | Bluetooth | FHSS    | 11.0                        | 10.38                 | -0.13            | 10 mm                | 01456                | 1                | left  | 77.1           | 0.038    | 1.153                       | 1.297                       | 0.057             | A60    |  |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |     |           |         |                             |                       |                  | Body                 |                      |                  |       |                |          |                             |                             |                   |        |  |
| Spatial Peak                             |     |           |         |                             |                       |                  | 1.6 W/kg (mW/g)      |                      |                  |       |                |          |                             |                             |                   |        |  |
| Uncontrolled Exposure/General Population |     |           |         |                             |                       |                  | averaged over 1 gram |                      |                  |       |                |          |                             |                             |                   |        |  |

|                                                |                                                                                                                                                                                                |                                      |                                                                                       |                                        |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              | <br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                      | <b>DUT Type:</b><br>Portable Handset | Page 200 of 227                                                                       |                                        |

## 11.4 Standalone Phablet SAR Data

**Table 11-64**  
**UMTS/CDMA Phablet SAR Data**

| MEASUREMENT RESULTS                                                                               |      |           |             |                             |                       |                  |                                                      |                            |                      |            |        |           |                |                    |        |
|---------------------------------------------------------------------------------------------------|------|-----------|-------------|-----------------------------|-----------------------|------------------|------------------------------------------------------|----------------------------|----------------------|------------|--------|-----------|----------------|--------------------|--------|
| FREQUENCY                                                                                         |      | Mode      | Service     | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Spacing                                              | Dual Display Configuration | Device Serial Number | Duty Cycle | Side   | SAR (10g) | Scaling Factor | Reported SAR (10g) | Plot # |
| MHz                                                                                               | Ch.  |           |             |                             |                       |                  |                                                      |                            |                      |            |        | (W/kg)    |                | (W/kg)             |        |
| 1880.00                                                                                           | 600  | PCS CDMA  | EVDO Rev. 0 | 24.7                        | 24.52                 | 0.14             | 2 mm                                                 | -                          | 01688                | 1:1        | back   | 1.660     | 1.042          | 1.730              |        |
| 1851.25                                                                                           | 25   | PCS CDMA  | EVDO Rev. 0 | 24.7                        | 24.48                 | -0.10            | 0 mm                                                 | 1                          | 01688                | 1:1        | back   | 2.660     | 1.052          | 2.798              |        |
| 1880.00                                                                                           | 600  | PCS CDMA  | EVDO Rev. 0 | 24.7                        | 24.52                 | -0.10            | 0 mm                                                 | 1                          | 01688                | 1:1        | back   | 2.750     | 1.042          | 2.866              |        |
| 1908.75                                                                                           | 1175 | PCS CDMA  | EVDO Rev. 0 | 24.7                        | 24.49                 | -0.18            | 0 mm                                                 | 1                          | 01688                | 1:1        | back   | 2.790     | 1.050          | 2.930              |        |
| 1880.00                                                                                           | 600  | PCS CDMA  | EVDO Rev. 0 | 24.7                        | 24.52                 | 0.04             | 1 mm                                                 | -                          | 01688                | 1:1        | front  | 1.430     | 1.042          | 1.490              |        |
| 1880.00                                                                                           | 600  | PCS CDMA  | EVDO Rev. 0 | 24.7                        | 24.52                 | -0.13            | 0 mm                                                 | 3                          | 01688                | 1:1        | front  | 1.660     | 1.042          | 1.730              |        |
| 1851.25                                                                                           | 25   | PCS CDMA  | EVDO Rev. 0 | 24.7                        | 24.48                 | -0.15            | 3 mm                                                 | -                          | 01688                | 1:1        | bottom | 2.250     | 1.052          | 2.367              |        |
| 1880.00                                                                                           | 600  | PCS CDMA  | EVDO Rev. 0 | 24.7                        | 24.52                 | -0.12            | 3 mm                                                 | -                          | 01688                | 1:1        | bottom | 2.500     | 1.042          | 2.605              |        |
| 1908.75                                                                                           | 1175 | PCS CDMA  | EVDO Rev. 0 | 24.7                        | 24.49                 | -0.12            | 3 mm                                                 | -                          | 01688                | 1:1        | bottom | 2.480     | 1.050          | 2.604              |        |
| 1851.25                                                                                           | 25   | PCS CDMA  | EVDO Rev. 0 | 24.7                        | 24.48                 | -0.12            | 0 mm                                                 | 1                          | 01688                | 1:1        | bottom | 2.790     | 1.052          | 2.935              |        |
| 1880.00                                                                                           | 600  | PCS CDMA  | EVDO Rev. 0 | 24.7                        | 24.52                 | 0.19             | 0 mm                                                 | 1                          | 01688                | 1:1        | bottom | 3.230     | 1.042          | 3.366              | A61    |
| 1880.00                                                                                           | 600  | PCS CDMA  | EVDO Rev. 0 | 24.7                        | 24.52                 | -0.05            | 0 mm                                                 | 2                          | 01688                | 1:1        | bottom | 2.490     | 1.042          | 2.595              |        |
| 1880.00                                                                                           | 600  | PCS CDMA  | EVDO Rev. 0 | 24.7                        | 24.52                 | -0.08            | 0 mm                                                 | 3                          | 01688                | 1:1        | bottom | 2.360     | 1.042          | 2.459              |        |
| 1908.75                                                                                           | 1175 | PCS CDMA  | EVDO Rev. 0 | 24.7                        | 24.49                 | -0.12            | 0 mm                                                 | 1                          | 01688                | 1:1        | bottom | 2.780     | 1.050          | 2.919              |        |
| 1880.00                                                                                           | 600  | PCS CDMA  | EVDO Rev. 0 | 24.7                        | 24.52                 | -0.07            | 0 mm                                                 | -                          | 01688                | 1:1        | left   | 0.368     | 1.042          | 0.383              |        |
| 1880.00                                                                                           | 600  | PCS CDMA  | EVDO Rev. 0 | 22.7                        | 22.66                 | 0.08             | 0 mm                                                 | -                          | 01688                | 1:1        | back   | 1.360     | 1.009          | 1.372              |        |
| 1880.00                                                                                           | 600  | PCS CDMA  | EVDO Rev. 0 | 22.7                        | 22.66                 | -0.17            | 0 mm                                                 | -                          | 01688                | 1:1        | front  | 1.490     | 1.009          | 1.503              |        |
| 1851.25                                                                                           | 25   | PCS CDMA  | EVDO Rev. 0 | 22.7                        | 22.58                 | 0.20             | 0 mm                                                 | -                          | 01688                | 1:1        | bottom | 2.690     | 1.028          | 2.765              |        |
| 1880.00                                                                                           | 600  | PCS CDMA  | EVDO Rev. 0 | 22.7                        | 22.66                 | 0.13             | 0 mm                                                 | -                          | 01688                | 1:1        | bottom | 2.790     | 1.009          | 2.815              |        |
| 1908.75                                                                                           | 1175 | PCS CDMA  | EVDO Rev. 0 | 22.7                        | 22.62                 | 0.15             | 0 mm                                                 | -                          | 01688                | 1:1        | bottom | 2.690     | 1.019          | 2.741              |        |
| 1880.00                                                                                           | 600  | PCS CDMA  | EVDO Rev. 0 | 24.7                        | 24.52                 | 0.19             | 0 mm                                                 | 1                          | 01688                | 1:1        | bottom | 3.190     | 1.042          | 3.324              |        |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC         | 24.7                        | 24.69                 | -0.01            | 2 mm                                                 | -                          | 01670                | 1:1        | back   | 1.070     | 1.002          | 1.072              |        |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC         | 24.7                        | 24.69                 | -0.08            | 0 mm                                                 | 1                          | 01670                | 1:1        | back   | 1.650     | 1.002          | 1.653              |        |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC         | 24.7                        | 24.69                 | -0.04            | 1 mm                                                 | -                          | 01670                | 1:1        | front  | 1.190     | 1.002          | 1.192              |        |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC         | 24.7                        | 24.69                 | -0.06            | 0 mm                                                 | 3                          | 01670                | 1:1        | front  | 1.560     | 1.002          | 1.563              |        |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC         | 24.7                        | 24.69                 | -0.01            | 3 mm                                                 | -                          | 01670                | 1:1        | bottom | 1.150     | 1.002          | 1.152              |        |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC         | 24.7                        | 24.69                 | -0.03            | 0 mm                                                 | 1                          | 01670                | 1:1        | bottom | 1.090     | 1.002          | 1.092              |        |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC         | 24.7                        | 24.69                 | -0.07            | 0 mm                                                 | -                          | 01670                | 1:1        | left   | 0.425     | 1.002          | 0.426              |        |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC         | 22.7                        | 22.68                 | 0.10             | 0 mm                                                 | -                          | 01670                | 1:1        | back   | 1.790     | 1.005          | 1.799              |        |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC         | 22.7                        | 22.68                 | -0.05            | 0 mm                                                 | -                          | 01670                | 1:1        | front  | 1.710     | 1.005          | 1.719              |        |
| 1712.40                                                                                           | 1312 | UMTS 1750 | RMC         | 22.7                        | 22.70                 | 0.16             | 0 mm                                                 | -                          | 01670                | 1:1        | bottom | 1.830     | 1.000          | 1.830              |        |
| 1732.40                                                                                           | 1412 | UMTS 1750 | RMC         | 22.7                        | 22.68                 | -0.12            | 0 mm                                                 | -                          | 01670                | 1:1        | bottom | 1.940     | 1.005          | 1.950              |        |
| 1752.60                                                                                           | 1513 | UMTS 1750 | RMC         | 22.7                        | 22.68                 | 0.20             | 0 mm                                                 | -                          | 01670                | 1:1        | bottom | 2.160     | 1.005          | 2.171              | A62    |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC         | 24.7                        | 24.65                 | 0.15             | 2 mm                                                 | -                          | 01670                | 1:1        | back   | 1.750     | 1.012          | 1.771              |        |
| 1852.40                                                                                           | 9262 | UMTS 1900 | RMC         | 24.7                        | 24.66                 | -0.03            | 0 mm                                                 | 1                          | 01688                | 1:1        | back   | 2.690     | 1.009          | 2.714              |        |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC         | 24.7                        | 24.65                 | -0.03            | 0 mm                                                 | 1                          | 01688                | 1:1        | back   | 2.700     | 1.012          | 2.732              |        |
| 1907.60                                                                                           | 9538 | UMTS 1900 | RMC         | 24.7                        | 24.70                 | -0.02            | 0 mm                                                 | 1                          | 01688                | 1:1        | back   | 2.820     | 1.000          | 2.820              |        |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC         | 24.7                        | 24.65                 | 0.07             | 1 mm                                                 | -                          | 01670                | 1:1        | front  | 1.300     | 1.012          | 1.316              |        |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC         | 24.7                        | 24.65                 | 0.14             | 0 mm                                                 | 3                          | 01688                | 1:1        | front  | 1.900     | 1.012          | 1.923              |        |
| 1852.40                                                                                           | 9262 | UMTS 1900 | RMC         | 24.7                        | 24.66                 | -0.02            | 3 mm                                                 | -                          | 01670                | 1:1        | bottom | 2.320     | 1.009          | 2.341              |        |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC         | 24.7                        | 24.65                 | 0.01             | 3 mm                                                 | -                          | 01670                | 1:1        | bottom | 2.350     | 1.012          | 2.378              |        |
| 1907.60                                                                                           | 9538 | UMTS 1900 | RMC         | 24.7                        | 24.70                 | -0.04            | 3 mm                                                 | -                          | 01670                | 1:1        | bottom | 2.350     | 1.000          | 2.350              |        |
| 1852.40                                                                                           | 9262 | UMTS 1900 | RMC         | 24.7                        | 24.66                 | -0.10            | 0 mm                                                 | 1                          | 01688                | 1:1        | bottom | 2.660     | 1.009          | 2.684              |        |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC         | 24.7                        | 24.65                 | 0.11             | 0 mm                                                 | 1                          | 01688                | 1:1        | bottom | 2.740     | 1.012          | 2.773              |        |
| 1907.60                                                                                           | 9538 | UMTS 1900 | RMC         | 24.7                        | 24.70                 | -0.19            | 0 mm                                                 | 1                          | 01688                | 1:1        | bottom | 3.060     | 1.000          | 3.060              | A63    |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC         | 24.7                        | 24.65                 | 0.01             | 0 mm                                                 | -                          | 01670                | 1:1        | left   | 0.376     | 1.012          | 0.381              |        |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC         | 22.7                        | 22.61                 | 0.20             | 0 mm                                                 | -                          | 01670                | 1:1        | back   | 1.730     | 1.021          | 1.766              |        |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC         | 22.7                        | 22.61                 | -0.21            | 0 mm                                                 | -                          | 01670                | 1:1        | front  | 1.220     | 1.021          | 1.246              |        |
| 1852.40                                                                                           | 9262 | UMTS 1900 | RMC         | 22.7                        | 22.67                 | 0.11             | 0 mm                                                 | -                          | 01670                | 1:1        | bottom | 2.580     | 1.007          | 2.598              |        |
| 1880.00                                                                                           | 9400 | UMTS 1900 | RMC         | 22.7                        | 22.61                 | 0.10             | 0 mm                                                 | -                          | 01670                | 1:1        | bottom | 2.510     | 1.021          | 2.563              |        |
| 1907.60                                                                                           | 9538 | UMTS 1900 | RMC         | 22.7                        | 22.70                 | 0.10             | 0 mm                                                 | -                          | 01670                | 1:1        | bottom | 2.510     | 1.000          | 2.510              |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak<br>Uncontrolled Exposure/General Population |      |           |             |                             |                       |                  | Phablet<br>4.0 W/kg (mW/g)<br>averaged over 10 grams |                            |                      |            |        |           |                |                    |        |

Note: 1) Green entries represent additional Phablet SAR Position (DD #1: 0 degrees) 2) Purple entries represent additional Phablet SAR Position (DD #2: 180 degrees) 3) Light orange entries represent additional Phablet SAR Position (DD #3: 360 degrees) 4) Blue entry represents variability measurement.

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 201 of 227                 |

**Table 11-65**  
**LTE Band 66 (AWS) Antenna 2 Phablet SAR**

| MEASUREMENT RESULTS                      |        |      |                   |                            |                             |                       |                  |          |                        |            |         |           |         |      |            |           |                |                    |        |     |
|------------------------------------------|--------|------|-------------------|----------------------------|-----------------------------|-----------------------|------------------|----------|------------------------|------------|---------|-----------|---------|------|------------|-----------|----------------|--------------------|--------|-----|
| FREQUENCY                                |        | Mode | Bandwidth [MHz]   | Dual Display Configuration | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Serial Number          | Modulation | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (10g) | Scaling Factor | Reported SAR (10g) | Plot # |     |
| MHz                                      | Ch.    |      |                   |                            |                             |                       |                  |          |                        |            |         |           |         |      |            | (W/kg)    |                | (W/kg)             |        |     |
| 1770.00                                  | 132572 | High | LTE Band 66 (AWS) | 20                         | -                           | 25.2                  | 25.10            | 0.02     | 0                      | 01696      | QPSK    | 1         | 0       | 2 mm | back       | 1:1       | 1.780          | 1.023              | 1.821  | A64 |
| 1720.00                                  | 132072 | Low  | LTE Band 66 (AWS) | 20                         | 1                           | 25.2                  | 25.06            | -0.01    | 0                      | 01696      | QPSK    | 1         | 50      | 0 mm | back       | 1:1       | 2.830          | 1.033              | 2.923  |     |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (AWS) | 20                         | 1                           | 25.2                  | 24.91            | -0.09    | 0                      | 01696      | QPSK    | 1         | 50      | 0 mm | back       | 1:1       | 2.830          | 1.069              | 3.025  |     |
| 1770.00                                  | 132572 | High | LTE Band 66 (AWS) | 20                         | 1                           | 25.2                  | 25.10            | -0.12    | 0                      | 01696      | QPSK    | 1         | 0       | 0 mm | back       | 1:1       | 2.950          | 1.023              | 3.018  |     |
| 1770.00                                  | 132572 | High | LTE Band 66 (AWS) | 20                         | -                           | 24.2                  | 24.08            | 0.05     | 1                      | 01696      | QPSK    | 50        | 0       | 2 mm | back       | 1:1       | 1.470          | 1.028              | 1.511  |     |
| 1720.00                                  | 132072 | Low  | LTE Band 66 (AWS) | 20                         | -                           | 25.2                  | 25.06            | -0.07    | 0                      | 01696      | QPSK    | 1         | 50      | 1 mm | front      | 1:1       | 1.930          | 1.033              | 1.994  |     |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (AWS) | 20                         | -                           | 25.2                  | 24.91            | -0.04    | 0                      | 01696      | QPSK    | 1         | 50      | 1 mm | front      | 1:1       | 2.050          | 1.069              | 2.191  |     |
| 1770.00                                  | 132572 | High | LTE Band 66 (AWS) | 20                         | -                           | 25.2                  | 25.10            | -0.06    | 0                      | 01696      | QPSK    | 1         | 0       | 1 mm | front      | 1:1       | 2.070          | 1.023              | 2.118  |     |
| 1720.00                                  | 132072 | Low  | LTE Band 66 (AWS) | 20                         | 3                           | 25.2                  | 25.06            | -0.12    | 0                      | 01696      | QPSK    | 1         | 50      | 0 mm | front      | 1:1       | 2.620          | 1.033              | 2.706  |     |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (AWS) | 20                         | 3                           | 25.2                  | 24.91            | -0.12    | 0                      | 01696      | QPSK    | 1         | 50      | 0 mm | front      | 1:1       | 2.650          | 1.069              | 2.833  |     |
| 1770.00                                  | 132572 | High | LTE Band 66 (AWS) | 20                         | 3                           | 25.2                  | 25.10            | -0.13    | 0                      | 01696      | QPSK    | 1         | 0       | 0 mm | front      | 1:1       | 2.550          | 1.023              | 2.609  |     |
| 1770.00                                  | 132572 | High | LTE Band 66 (AWS) | 20                         | -                           | 24.2                  | 24.08            | -0.04    | 1                      | 01696      | QPSK    | 50        | 0       | 1 mm | front      | 1:1       | 1.700          | 1.028              | 1.748  |     |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (AWS) | 20                         | -                           | 24.2                  | 24.00            | -0.06    | 1                      | 01696      | QPSK    | 100       | 0       | 1 mm | front      | 1:1       | 1.630          | 1.047              | 1.707  |     |
| 1720.00                                  | 132072 | Low  | LTE Band 66 (AWS) | 20                         | -                           | 25.2                  | 25.06            | 0.19     | 0                      | 01696      | QPSK    | 1         | 50      | 3 mm | bottom     | 1:1       | 2.010          | 1.033              | 2.076  |     |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (AWS) | 20                         | -                           | 25.2                  | 24.91            | 0.15     | 0                      | 01696      | QPSK    | 1         | 50      | 3 mm | bottom     | 1:1       | 2.210          | 1.069              | 2.362  |     |
| 1770.00                                  | 132572 | High | LTE Band 66 (AWS) | 20                         | -                           | 25.2                  | 25.10            | -0.02    | 0                      | 01696      | QPSK    | 1         | 0       | 3 mm | bottom     | 1:1       | 2.170          | 1.023              | 2.220  |     |
| 1720.00                                  | 132072 | Low  | LTE Band 66 (AWS) | 20                         | 1                           | 25.2                  | 25.06            | -0.01    | 0                      | 01696      | QPSK    | 1         | 50      | 0 mm | bottom     | 1:1       | 2.040          | 1.033              | 2.107  |     |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (AWS) | 20                         | 1                           | 25.2                  | 24.91            | -0.04    | 0                      | 01696      | QPSK    | 1         | 50      | 0 mm | bottom     | 1:1       | 2.080          | 1.069              | 2.224  |     |
| 1770.00                                  | 132572 | High | LTE Band 66 (AWS) | 20                         | 1                           | 25.2                  | 25.10            | -0.06    | 0                      | 01696      | QPSK    | 1         | 0       | 0 mm | bottom     | 1:1       | 2.110          | 1.023              | 2.159  |     |
| 1770.00                                  | 132572 | High | LTE Band 66 (AWS) | 20                         | -                           | 24.2                  | 24.08            | 0.03     | 1                      | 01696      | QPSK    | 50        | 0       | 3 mm | bottom     | 1:1       | 1.760          | 1.028              | 1.809  |     |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (AWS) | 20                         | -                           | 24.2                  | 24.00            | 0.14     | 1                      | 01696      | QPSK    | 100       | 0       | 3 mm | bottom     | 1:1       | 1.710          | 1.047              | 1.790  |     |
| 1770.00                                  | 132572 | High | LTE Band 66 (AWS) | 20                         | -                           | 25.2                  | 25.10            | -0.04    | 0                      | 01696      | QPSK    | 1         | 0       | 0 mm | left       | 1:1       | 0.763          | 1.023              | 0.781  |     |
| 1770.00                                  | 132572 | High | LTE Band 66 (AWS) | 20                         | -                           | 24.2                  | 24.08            | -0.10    | 1                      | 01696      | QPSK    | 50        | 0       | 0 mm | left       | 1:1       | 0.646          | 1.028              | 0.664  |     |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (AWS) | 20                         | -                           | 23.2                  | 22.78            | 0.05     | 0                      | 01704      | QPSK    | 1         | 50      | 0 mm | back       | 1:1       | 1.790          | 1.102              | 1.973  |     |
| 1720.00                                  | 132072 | Low  | LTE Band 66 (AWS) | 20                         | -                           | 23.2                  | 22.73            | 0.12     | 0                      | 01704      | QPSK    | 50        | 50      | 0 mm | back       | 1:1       | 1.790          | 1.114              | 1.994  |     |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (AWS) | 20                         | -                           | 23.2                  | 22.76            | 0.04     | 0                      | 01704      | QPSK    | 50        | 0       | 0 mm | back       | 1:1       | 1.810          | 1.107              | 2.004  |     |
| 1770.00                                  | 132572 | High | LTE Band 66 (AWS) | 20                         | -                           | 23.2                  | 22.70            | 0.09     | 0                      | 01704      | QPSK    | 50        | 25      | 0 mm | back       | 1:1       | 1.960          | 1.122              | 2.199  |     |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (AWS) | 20                         | -                           | 23.2                  | 22.71            | 0.13     | 0                      | 01704      | QPSK    | 100       | 0       | 0 mm | back       | 1:1       | 1.880          | 1.119              | 2.104  |     |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (AWS) | 20                         | -                           | 23.2                  | 22.78            | -0.11    | 0                      | 01704      | QPSK    | 1         | 50      | 0 mm | front      | 1:1       | 1.660          | 1.102              | 1.829  |     |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (AWS) | 20                         | -                           | 23.2                  | 22.76            | -0.11    | 0                      | 01704      | QPSK    | 50        | 0       | 0 mm | front      | 1:1       | 1.680          | 1.107              | 1.860  |     |
| 1720.00                                  | 132072 | Low  | LTE Band 66 (AWS) | 20                         | -                           | 23.2                  | 22.74            | -0.07    | 0                      | 01704      | QPSK    | 1         | 50      | 0 mm | bottom     | 1:1       | 1.930          | 1.112              | 2.146  |     |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (AWS) | 20                         | -                           | 23.2                  | 22.78            | -0.08    | 0                      | 01704      | QPSK    | 1         | 50      | 0 mm | bottom     | 1:1       | 2.150          | 1.102              | 2.369  |     |
| 1770.00                                  | 132572 | High | LTE Band 66 (AWS) | 20                         | -                           | 23.2                  | 22.76            | -0.08    | 0                      | 01704      | QPSK    | 1         | 50      | 0 mm | bottom     | 1:1       | 2.330          | 1.107              | 2.579  |     |
| 1720.00                                  | 132072 | Low  | LTE Band 66 (AWS) | 20                         | -                           | 23.2                  | 22.73            | -0.06    | 0                      | 01704      | QPSK    | 50        | 50      | 0 mm | bottom     | 1:1       | 1.970          | 1.114              | 2.195  |     |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (AWS) | 20                         | -                           | 23.2                  | 22.76            | -0.05    | 0                      | 01704      | QPSK    | 50        | 0       | 0 mm | bottom     | 1:1       | 2.150          | 1.107              | 2.380  |     |
| 1770.00                                  | 132572 | High | LTE Band 66 (AWS) | 20                         | -                           | 23.2                  | 22.70            | -0.06    | 0                      | 01704      | QPSK    | 50        | 25      | 0 mm | bottom     | 1:1       | 2.350          | 1.122              | 2.637  |     |
| 1745.00                                  | 132322 | Mid  | LTE Band 66 (AWS) | 20                         | -                           | 23.2                  | 22.71            | -0.07    | 0                      | 01704      | QPSK    | 100       | 0       | 0 mm | bottom     | 1:1       | 2.160          | 1.119              | 2.417  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |        |      |                   |                            |                             |                       |                  |          | Phablet                |            |         |           |         |      |            |           |                |                    |        |     |
| Spatial Peak                             |        |      |                   |                            |                             |                       |                  |          | 4.0 W/kg (mW/g)        |            |         |           |         |      |            |           |                |                    |        |     |
| Uncontrolled Exposure/General Population |        |      |                   |                            |                             |                       |                  |          | averaged over 10 grams |            |         |           |         |      |            |           |                |                    |        |     |

Note: 1) Green entries represent additional Phablet SAR Position (DD #1: 0 degrees) 2) Light orange entries represent additional Phablet SAR Position (DD #3: 360 degrees)

|                                         |                                                                                     |                               |  |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|--|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |  | Page 202 of 227                                                                       |                                 |

**Table 11-66**  
**LTE Band 25 (PCS) Phablet SAR**

| MEASUREMENT RESULTS                      |       |      |                   |                            |                             |                       |                  |         |                        |            |         |           |         |      |            |           |                |                    |        |     |
|------------------------------------------|-------|------|-------------------|----------------------------|-----------------------------|-----------------------|------------------|---------|------------------------|------------|---------|-----------|---------|------|------------|-----------|----------------|--------------------|--------|-----|
| FREQUENCY                                |       | Mode | Bandwidth [MHz]   | Dual Display Configuration | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR[dB] | Serial Number          | Modulation | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR (10g) | Scaling Factor | Reported SAR (10g) | Plot # |     |
| MHz                                      | Ch.   |      |                   |                            |                             |                       |                  |         |                        |            |         |           |         |      |            | (W/kg)    |                | (W/kg)             |        |     |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                         | -                           | 25.2                  | 25.17            | 0.17    | 0                      | 01704      | QPSK    | 1         | 50      | 2 mm | back       | 1:1       | 1.760          | 1.007              | 1.772  |     |
| 1860.00                                  | 26140 | Low  | LTE Band 25 (PCS) | 20                         | 1                           | 25.2                  | 24.77            | -0.17   | 0                      | 01704      | QPSK    | 1         | 50      | 0 mm | back       | 1:1       | 2.530          | 1.104              | 2.793  |     |
| 1882.50                                  | 26365 | Mid  | LTE Band 25 (PCS) | 20                         | 1                           | 25.2                  | 25.13            | -0.11   | 0                      | 01704      | QPSK    | 1         | 50      | 0 mm | back       | 1:1       | 2.800          | 1.016              | 2.845  |     |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                         | 1                           | 25.2                  | 25.17            | -0.20   | 0                      | 01704      | QPSK    | 1         | 50      | 0 mm | back       | 1:1       | 2.860          | 1.007              | 2.880  |     |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                         | -                           | 24.2                  | 24.07            | 0.12    | 1                      | 01704      | QPSK    | 50        | 0       | 2 mm | back       | 1:1       | 1.530          | 1.030              | 1.576  |     |
| 1860.00                                  | 26140 | Low  | LTE Band 25 (PCS) | 20                         | -                           | 25.2                  | 24.77            | -0.12   | 0                      | 01704      | QPSK    | 1         | 50      | 1 mm | front      | 1:1       | 2.120          | 1.104              | 2.340  |     |
| 1882.50                                  | 26365 | Mid  | LTE Band 25 (PCS) | 20                         | -                           | 25.2                  | 25.13            | -0.21   | 0                      | 01704      | QPSK    | 1         | 50      | 1 mm | front      | 1:1       | 2.040          | 1.016              | 2.073  |     |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                         | -                           | 25.2                  | 25.17            | -0.14   | 0                      | 01704      | QPSK    | 1         | 50      | 1 mm | front      | 1:1       | 2.000          | 1.007              | 2.014  |     |
| 1860.00                                  | 26140 | Low  | LTE Band 25 (PCS) | 20                         | 3                           | 25.2                  | 24.77            | 0.10    | 0                      | 01704      | QPSK    | 1         | 50      | 0 mm | front      | 1:1       | 2.170          | 1.104              | 2.396  |     |
| 1882.50                                  | 26365 | Mid  | LTE Band 25 (PCS) | 20                         | 3                           | 25.2                  | 25.13            | 0.09    | 0                      | 01704      | QPSK    | 1         | 50      | 0 mm | front      | 1:1       | 2.070          | 1.016              | 2.103  |     |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                         | 3                           | 25.2                  | 25.17            | 0.08    | 0                      | 01704      | QPSK    | 1         | 50      | 0 mm | front      | 1:1       | 2.140          | 1.007              | 2.155  |     |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                         | -                           | 24.2                  | 24.07            | -0.13   | 1                      | 01704      | QPSK    | 50        | 0       | 1 mm | front      | 1:1       | 1.800          | 1.030              | 1.854  |     |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                         | -                           | 24.2                  | 23.99            | -0.13   | 1                      | 01704      | QPSK    | 100       | 0       | 1 mm | front      | 1:1       | 1.660          | 1.050              | 1.743  |     |
| 1860.00                                  | 26140 | Low  | LTE Band 25 (PCS) | 20                         | -                           | 25.2                  | 24.77            | -0.11   | 0                      | 01704      | QPSK    | 1         | 50      | 3 mm | bottom     | 1:1       | 2.280          | 1.104              | 2.517  |     |
| 1882.50                                  | 26365 | Mid  | LTE Band 25 (PCS) | 20                         | -                           | 25.2                  | 25.13            | -0.09   | 0                      | 01704      | QPSK    | 1         | 50      | 3 mm | bottom     | 1:1       | 2.200          | 1.016              | 2.235  |     |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                         | -                           | 25.2                  | 25.17            | -0.07   | 0                      | 01704      | QPSK    | 1         | 50      | 3 mm | bottom     | 1:1       | 2.150          | 1.007              | 2.165  |     |
| 1860.00                                  | 26140 | Low  | LTE Band 25 (PCS) | 20                         | 1                           | 25.2                  | 24.77            | -0.11   | 0                      | 01704      | QPSK    | 1         | 50      | 0 mm | bottom     | 1:1       | 2.660          | 1.104              | 2.937  |     |
| 1882.50                                  | 26365 | Mid  | LTE Band 25 (PCS) | 20                         | 1                           | 25.2                  | 25.13            | -0.21   | 0                      | 01704      | QPSK    | 1         | 50      | 0 mm | bottom     | 1:1       | 2.660          | 1.016              | 2.703  |     |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                         | 1                           | 25.2                  | 25.17            | -0.16   | 0                      | 01704      | QPSK    | 1         | 50      | 0 mm | bottom     | 1:1       | 2.700          | 1.007              | 2.719  |     |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                         | -                           | 24.2                  | 24.07            | -0.08   | 1                      | 01704      | QPSK    | 50        | 0       | 3 mm | bottom     | 1:1       | 1.900          | 1.030              | 1.957  |     |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                         | -                           | 24.2                  | 23.99            | -0.09   | 1                      | 01704      | QPSK    | 100       | 0       | 3 mm | bottom     | 1:1       | 1.800          | 1.050              | 1.890  |     |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                         | -                           | 25.2                  | 25.17            | -0.02   | 0                      | 01704      | QPSK    | 1         | 50      | 0 mm | left       | 1:1       | 0.408          | 1.007              | 0.411  |     |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                         | -                           | 24.2                  | 24.07            | -0.10   | 1                      | 01704      | QPSK    | 50        | 0       | 0 mm | left       | 1:1       | 0.342          | 1.030              | 0.352  |     |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                         | -                           | 23.2                  | 22.99            | 0.13    | 0                      | 01704      | QPSK    | 1         | 50      | 0 mm | back       | 1:1       | 1.680          | 1.050              | 1.764  |     |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                         | -                           | 23.2                  | 23.08            | 0.12    | 0                      | 01704      | QPSK    | 50        | 0       | 0 mm | back       | 1:1       | 1.860          | 1.028              | 1.912  |     |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                         | -                           | 23.2                  | 22.99            | 0.06    | 0                      | 01704      | QPSK    | 1         | 50      | 0 mm | front      | 1:1       | 1.190          | 1.050              | 1.250  |     |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                         | -                           | 23.2                  | 23.08            | 0.00    | 0                      | 01704      | QPSK    | 50        | 0       | 0 mm | front      | 1:1       | 1.290          | 1.028              | 1.326  |     |
| 1860.00                                  | 26140 | Low  | LTE Band 25 (PCS) | 20                         | -                           | 23.2                  | 22.92            | -0.13   | 0                      | 01704      | QPSK    | 1         | 99      | 0 mm | bottom     | 1:1       | 2.720          | 1.067              | 2.902  |     |
| 1882.50                                  | 26365 | Mid  | LTE Band 25 (PCS) | 20                         | -                           | 23.2                  | 22.98            | -0.16   | 0                      | 01704      | QPSK    | 1         | 50      | 0 mm | bottom     | 1:1       | 2.620          | 1.052              | 2.756  |     |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                         | -                           | 23.2                  | 22.99            | -0.17   | 0                      | 01704      | QPSK    | 1         | 50      | 0 mm | bottom     | 1:1       | 2.610          | 1.050              | 2.741  |     |
| 1860.00                                  | 26140 | Low  | LTE Band 25 (PCS) | 20                         | -                           | 23.2                  | 23.04            | -0.09   | 0                      | 01704      | QPSK    | 50        | 50      | 0 mm | bottom     | 1:1       | 2.820          | 1.038              | 2.927  |     |
| 1882.50                                  | 26365 | Mid  | LTE Band 25 (PCS) | 20                         | -                           | 23.2                  | 23.05            | -0.15   | 0                      | 01704      | QPSK    | 50        | 50      | 0 mm | bottom     | 1:1       | 2.810          | 1.035              | 2.908  |     |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                         | -                           | 23.2                  | 23.08            | -0.15   | 0                      | 01704      | QPSK    | 50        | 0       | 0 mm | bottom     | 1:1       | 2.870          | 1.028              | 2.950  | A65 |
| 1905.00                                  | 26590 | High | LTE Band 25 (PCS) | 20                         | -                           | 23.2                  | 22.98            | -0.18   | 0                      | 01704      | QPSK    | 100       | 0       | 0 mm | bottom     | 1:1       | 2.680          | 1.052              | 2.819  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |       |      |                   |                            |                             |                       |                  |         | Phablet                |            |         |           |         |      |            |           |                |                    |        |     |
| Spatial Peak                             |       |      |                   |                            |                             |                       |                  |         | 4.0 W/kg (mW/g)        |            |         |           |         |      |            |           |                |                    |        |     |
| Uncontrolled Exposure/General Population |       |      |                   |                            |                             |                       |                  |         | averaged over 10 grams |            |         |           |         |      |            |           |                |                    |        |     |

Note: 1) Green entries represent additional Phablet SAR Position (DD #1: 0 degrees) 2) Light orange entries represent additional Phablet SAR Position (DD #3: 360 degrees)

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 203 of 227                 |

**Table 11-67**  
**LTE Band 41 Phablet SAR**

| MEASUREMENT RESULTS                      |                   |           |       |          |                 |                            |                             |                       |                  |                        |               |            |         |           |         |      |            |           |                |                    |        |     |
|------------------------------------------|-------------------|-----------|-------|----------|-----------------|----------------------------|-----------------------------|-----------------------|------------------|------------------------|---------------|------------|---------|-----------|---------|------|------------|-----------|----------------|--------------------|--------|-----|
| 1 CC Uplink / 2 CC Uplink, Power Class   | Component Carrier | FREQUENCY |       | Mode     | Bandwidth [MHz] | Dual Display Configuration | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB]               | Serial Number | Modulation | RB Size | RB Offset | Spacing | Side | Duty Cycle | SAR [10g] | Scaling Factor | Reported SAR [10g] | Plot # |     |
|                                          |                   | MHz       | Ch.   |          |                 |                            |                             |                       |                  |                        |               |            |         |           |         |      |            | (W/kg)    |                | (W/kg)             |        |     |
| 1 CC Uplink - Power Class 3              | N/A               | 2506.00   | 39750 | Low      | LTE Band 41     | 20                         | -                           | 25.2                  | 24.62            | 0.06                   | 0             | 01712      | QPSK    | 1         | 50      | 2 mm | back       | 1:1.58    | 0.805          | 1.143              | 0.920  |     |
| 1 CC Uplink - Power Class 3              | N/A               | 2506.00   | 39750 | Low      | LTE Band 41     | 20                         | 1                           | 25.2                  | 24.62            | -0.03                  | 0             | 01712      | QPSK    | 1         | 50      | 0 mm | back       | 1:1.58    | 1.050          | 1.143              | 1.200  |     |
| 1 CC Uplink - Power Class 3              | N/A               | 2506.00   | 39750 | Low      | LTE Band 41     | 20                         | -                           | 24.2                  | 24.17            | 0.04                   | 1             | 01712      | QPSK    | 50        | 50      | 2 mm | back       | 1:1.58    | 0.666          | 1.007              | 0.671  |     |
| 1 CC Uplink - Power Class 3              | N/A               | 2506.00   | 39750 | Low      | LTE Band 41     | 20                         | -                           | 25.2                  | 24.62            | -0.04                  | 0             | 01712      | QPSK    | 1         | 50      | 1 mm | front      | 1:1.58    | 0.730          | 1.143              | 0.834  |     |
| 1 CC Uplink - Power Class 3              | N/A               | 2506.00   | 39750 | Low      | LTE Band 41     | 20                         | 3                           | 25.2                  | 24.62            | -0.14                  | 0             | 01712      | QPSK    | 1         | 50      | 0 mm | front      | 1:1.58    | 2.080          | 1.143              | 2.377  |     |
| 1 CC Uplink - Power Class 3              | N/A               | 2549.50   | 40185 | Low-Mid  | LTE Band 41     | 20                         | 3                           | 25.2                  | 24.46            | -0.16                  | 0             | 01712      | QPSK    | 1         | 50      | 0 mm | front      | 1:1.58    | 2.080          | 1.186              | 2.467  |     |
| 1 CC Uplink - Power Class 3              | N/A               | 2593.00   | 40620 | Mid      | LTE Band 41     | 20                         | 3                           | 25.2                  | 24.49            | -0.13                  | 0             | 01712      | QPSK    | 1         | 50      | 0 mm | front      | 1:1.58    | 2.110          | 1.178              | 2.486  |     |
| 1 CC Uplink - Power Class 3              | N/A               | 2636.50   | 41055 | Mid-High | LTE Band 41     | 20                         | 3                           | 25.2                  | 24.46            | -0.15                  | 0             | 01712      | QPSK    | 1         | 50      | 0 mm | front      | 1:1.58    | 2.030          | 1.186              | 2.408  |     |
| 1 CC Uplink - Power Class 3              | N/A               | 2680.00   | 41490 | High     | LTE Band 41     | 20                         | 3                           | 25.2                  | 24.60            | -0.17                  | 0             | 01712      | QPSK    | 1         | 50      | 0 mm | front      | 1:1.58    | 1.800          | 1.148              | 2.066  |     |
| 1 CC Uplink - Power Class 3              | N/A               | 2506.00   | 39750 | Low      | LTE Band 41     | 20                         | -                           | 24.2                  | 24.17            | -0.01                  | 1             | 01712      | QPSK    | 50        | 50      | 1 mm | front      | 1:1.58    | 0.586          | 1.007              | 0.590  |     |
| 1 CC Uplink - Power Class 3              | N/A               | 2506.00   | 39750 | Low      | LTE Band 41     | 20                         | -                           | 25.2                  | 24.62            | -0.13                  | 0             | 01712      | QPSK    | 1         | 50      | 3 mm | bottom     | 1:1.58    | 1.240          | 1.143              | 1.417  |     |
| 1 CC Uplink - Power Class 3              | N/A               | 2506.00   | 39750 | Low      | LTE Band 41     | 20                         | 1                           | 25.2                  | 24.62            | -0.11                  | 0             | 01712      | QPSK    | 1         | 50      | 0 mm | bottom     | 1:1.58    | 0.984          | 1.143              | 1.125  |     |
| 1 CC Uplink - Power Class 3              | N/A               | 2506.00   | 39750 | Low      | LTE Band 41     | 20                         | -                           | 24.2                  | 24.17            | -0.13                  | 1             | 01712      | QPSK    | 50        | 50      | 3 mm | bottom     | 1:1.58    | 1.050          | 1.007              | 1.057  |     |
| 1 CC Uplink - Power Class 3              | N/A               | 2506.00   | 39750 | Low      | LTE Band 41     | 20                         | -                           | 25.2                  | 24.62            | -0.19                  | 0             | 01712      | QPSK    | 1         | 50      | 0 mm | left       | 1:1.58    | 0.253          | 1.143              | 0.289  |     |
| 1 CC Uplink - Power Class 3              | N/A               | 2506.00   | 39750 | Low      | LTE Band 41     | 20                         | -                           | 24.2                  | 24.17            | 0.16                   | 1             | 01712      | QPSK    | 50        | 50      | 0 mm | left       | 1:1.58    | 0.212          | 1.007              | 0.213  |     |
| 1 CC Uplink - Power Class 3              | N/A               | 2506.00   | 39750 | Low      | LTE Band 41     | 20                         | -                           | 24.2                  | 24.20            | -0.14                  | 0             | 01712      | QPSK    | 1         | 0       | 0 mm | back       | 1:1.58    | 1.900          | 1.000              | 1.900  |     |
| 1 CC Uplink - Power Class 3              | N/A               | 2549.50   | 40185 | Low-Mid  | LTE Band 41     | 20                         | -                           | 24.2                  | 24.18            | -0.15                  | 0             | 01712      | QPSK    | 1         | 50      | 0 mm | back       | 1:1.58    | 1.930          | 1.005              | 1.940  |     |
| 1 CC Uplink - Power Class 3              | N/A               | 2593.00   | 40620 | Mid      | LTE Band 41     | 20                         | -                           | 24.2                  | 24.15            | -0.14                  | 0             | 01712      | QPSK    | 1         | 50      | 0 mm | back       | 1:1.58    | 2.040          | 1.012              | 2.064  |     |
| 1 CC Uplink - Power Class 3              | N/A               | 2636.50   | 41055 | Mid-High | LTE Band 41     | 20                         | -                           | 24.2                  | 24.09            | -0.10                  | 0             | 01712      | QPSK    | 1         | 50      | 0 mm | back       | 1:1.58    | 2.120          | 1.026              | 2.175  |     |
| 1 CC Uplink - Power Class 3              | N/A               | 2680.00   | 41490 | High     | LTE Band 41     | 20                         | -                           | 24.2                  | 24.11            | -0.15                  | 0             | 01712      | QPSK    | 1         | 99      | 0 mm | back       | 1:1.58    | 1.910          | 1.021              | 1.950  |     |
| 1 CC Uplink - Power Class 3              | N/A               | 2506.00   | 39750 | Low      | LTE Band 41     | 20                         | -                           | 24.2                  | 24.20            | -0.13                  | 0             | 01712      | QPSK    | 50        | 0       | 0 mm | back       | 1:1.58    | 1.930          | 1.000              | 1.930  |     |
| 1 CC Uplink - Power Class 3              | N/A               | 2549.50   | 40185 | Low-Mid  | LTE Band 41     | 20                         | -                           | 24.2                  | 24.18            | -0.13                  | 0             | 01712      | QPSK    | 50        | 50      | 0 mm | back       | 1:1.58    | 1.970          | 1.005              | 1.980  |     |
| 1 CC Uplink - Power Class 3              | N/A               | 2593.00   | 40620 | Mid      | LTE Band 41     | 20                         | -                           | 24.2                  | 24.13            | -0.17                  | 0             | 01712      | QPSK    | 50        | 50      | 0 mm | back       | 1:1.58    | 2.080          | 1.016              | 2.113  |     |
| 1 CC Uplink - Power Class 3              | N/A               | 2636.50   | 41055 | Mid-High | LTE Band 41     | 20                         | -                           | 24.2                  | 24.10            | -0.15                  | 0             | 01712      | QPSK    | 50        | 0       | 0 mm | back       | 1:1.58    | 2.180          | 1.023              | 2.230  |     |
| 1 CC Uplink - Power Class 3              | N/A               | 2680.00   | 41490 | High     | LTE Band 41     | 20                         | -                           | 24.2                  | 24.08            | -0.12                  | 0             | 01712      | QPSK    | 50        | 25      | 0 mm | back       | 1:1.58    | 2.000          | 1.028              | 2.056  |     |
| 1 CC Uplink - Power Class 3              | N/A               | 2506.00   | 39750 | Low      | LTE Band 41     | 20                         | -                           | 24.2                  | 24.15            | -0.14                  | 0             | 01712      | QPSK    | 100       | 0       | 0 mm | back       | 1:1.58    | 1.960          | 1.012              | 1.984  |     |
| 1 CC Uplink - Power Class 3              | N/A               | 2506.00   | 39750 | Low      | LTE Band 41     | 20                         | -                           | 24.2                  | 24.20            | -0.11                  | 0             | 01712      | QPSK    | 1         | 0       | 0 mm | front      | 1:1.58    | 1.330          | 1.000              | 1.330  |     |
| 1 CC Uplink - Power Class 3              | N/A               | 2506.00   | 39750 | Low      | LTE Band 41     | 20                         | -                           | 24.2                  | 24.20            | -0.11                  | 0             | 01712      | QPSK    | 50        | 0       | 0 mm | front      | 1:1.58    | 1.340          | 1.000              | 1.340  |     |
| 1 CC Uplink - Power Class 3              | N/A               | 2506.00   | 39750 | Low      | LTE Band 41     | 20                         | -                           | 24.2                  | 24.20            | -0.15                  | 0             | 01712      | QPSK    | 1         | 0       | 0 mm | bottom     | 1:1.58    | 2.370          | 1.000              | 2.370  |     |
| 1 CC Uplink - Power Class 3              | N/A               | 2549.50   | 40185 | Low-Mid  | LTE Band 41     | 20                         | -                           | 24.2                  | 24.18            | -0.15                  | 0             | 01712      | QPSK    | 1         | 50      | 0 mm | bottom     | 1:1.58    | 2.340          | 1.005              | 2.352  |     |
| 1 CC Uplink - Power Class 3              | N/A               | 2593.00   | 40620 | Mid      | LTE Band 41     | 20                         | -                           | 24.2                  | 24.15            | -0.19                  | 0             | 01712      | QPSK    | 1         | 50      | 0 mm | bottom     | 1:1.58    | 2.330          | 1.012              | 2.358  |     |
| 1 CC Uplink - Power Class 3              | N/A               | 2636.50   | 41055 | Mid-High | LTE Band 41     | 20                         | -                           | 24.2                  | 24.09            | -0.11                  | 0             | 01712      | QPSK    | 1         | 50      | 0 mm | bottom     | 1:1.58    | 2.220          | 1.026              | 2.278  |     |
| 1 CC Uplink - Power Class 3              | N/A               | 2680.00   | 41490 | High     | LTE Band 41     | 20                         | -                           | 24.2                  | 24.11            | -0.13                  | 0             | 01712      | QPSK    | 1         | 99      | 0 mm | bottom     | 1:1.58    | 1.930          | 1.021              | 1.971  |     |
| 1 CC Uplink - Power Class 3              | N/A               | 2506.00   | 39750 | Low      | LTE Band 41     | 20                         | -                           | 24.2                  | 24.20            | -0.13                  | 0             | 01712      | QPSK    | 50        | 0       | 0 mm | bottom     | 1:1.58    | 2.420          | 1.000              | 2.420  |     |
| 1 CC Uplink - Power Class 3              | N/A               | 2549.50   | 40185 | Low-Mid  | LTE Band 41     | 20                         | -                           | 24.2                  | 24.18            | -0.19                  | 0             | 01712      | QPSK    | 50        | 50      | 0 mm | bottom     | 1:1.58    | 2.410          | 1.005              | 2.422  |     |
| 1 CC Uplink - Power Class 3              | N/A               | 2593.00   | 40620 | Mid      | LTE Band 41     | 20                         | -                           | 24.2                  | 24.13            | -0.17                  | 0             | 01712      | QPSK    | 50        | 50      | 0 mm | bottom     | 1:1.58    | 2.360          | 1.016              | 2.398  |     |
| 1 CC Uplink - Power Class 3              | N/A               | 2636.50   | 41055 | Mid-High | LTE Band 41     | 20                         | -                           | 24.2                  | 24.10            | -0.18                  | 0             | 01712      | QPSK    | 50        | 0       | 0 mm | bottom     | 1:1.58    | 2.300          | 1.023              | 2.353  |     |
| 1 CC Uplink - Power Class 3              | N/A               | 2680.00   | 41490 | High     | LTE Band 41     | 20                         | -                           | 24.2                  | 24.08            | -0.16                  | 0             | 01712      | QPSK    | 50        | 25      | 0 mm | bottom     | 1:1.58    | 2.060          | 1.028              | 2.118  |     |
| 1 CC Uplink - Power Class 3              | N/A               | 2506.00   | 39750 | Low      | LTE Band 41     | 20                         | -                           | 24.2                  | 24.15            | -0.13                  | 0             | 01712      | QPSK    | 100       | 0       | 0 mm | bottom     | 1:1.58    | 2.290          | 1.012              | 2.317  |     |
| 1 CC Uplink - Power Class 2              | N/A               | 2549.50   | 40185 | Low-Mid  | LTE Band 41     | 20                         | -                           | 26.7                  | 26.23            | -0.07                  | 0             | 01712      | QPSK    | 50        | 50      | 0 mm | bottom     | 1:2.31    | 2.550          | 1.114              | 2.841  | A66 |
| 2 CC Uplink - Power Class 3              | PCC               | 2549.50   | 40185 | Low-Mid  | LTE Band 41     | 20                         | -                           | 24.2                  | 24.10            | -0.20                  | 0             | 01712      | QPSK    | 50        | 50      | 0 mm | bottom     | 1:1.58    | 2.270          | 1.023              | 2.322  |     |
| 2 CC Uplink - Power Class 3              | SCC               | 2569.30   | 40383 | Low-Mid  |                 | 20                         |                             |                       |                  |                        |               |            |         |           |         |      |            |           |                |                    |        |     |
| 2 CC Uplink - Power Class 2              | PCC               | 2549.50   | 40185 | Low-Mid  |                 | 20                         |                             |                       |                  |                        |               |            |         |           |         |      |            |           |                |                    |        |     |
| 2 CC Uplink - Power Class 2              | SCC               | 2569.30   | 40383 | Low-Mid  |                 | 20                         |                             |                       |                  |                        |               |            |         |           |         |      |            |           |                |                    |        |     |
| 1 CC Uplink - Power Class 3              | N/A               | 2506.00   | 39750 | Low      | LTE Band 41     | 20                         | -                           | 24.2                  | 24.20            | -0.13                  | 0             | 01712      | QPSK    | 50        | 0       | 0 mm | bottom     | 1:1.58    | 2.410          | 1.000              | 2.410  |     |
| 1 CC Uplink - Power Class 2              | N/A               | 2549.50   | 40185 | Low-Mid  | LTE Band 41     | 20                         | -                           | 26.7                  | 26.23            | -0.07                  | 0             | 01712      | QPSK    | 50        | 50      | 0 mm | bottom     | 1:2.31    | 2.540          | 1.114              | 2.830  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |                   |           |       |          |                 |                            |                             |                       |                  | Phablet                |               |            |         |           |         |      |            |           |                |                    |        |     |
| Spatial Peak                             |                   |           |       |          |                 |                            |                             |                       |                  | 4.0 W/kg (mW/g)        |               |            |         |           |         |      |            |           |                |                    |        |     |
| Uncontrolled Exposure/General Population |                   |           |       |          |                 |                            |                             |                       |                  | averaged over 10 grams |               |            |         |           |         |      |            |           |                |                    |        |     |

Note: 1) Green entries represent additional Phablet SAR Position (DD #1: 0 degrees) 2) Light orange entries represent additional Phablet SAR Position (DD #3: 360 degrees) 3) Blue entries represent variability measurements.

|                                         |                                                                                     |                               |  |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|--|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |  | Page 204 of 227                                                                       |                                 |



**Table 11-68**  
**NR n66 (AWS) Antenna 2 Standalone Phablet SAR**

| MEASUREMENT RESULTS                      |        |      |                   |                       |                             |                       |                  |          |               |                                           |                 |           |         |      |            |           |                |                    |        |     |
|------------------------------------------|--------|------|-------------------|-----------------------|-----------------------------|-----------------------|------------------|----------|---------------|-------------------------------------------|-----------------|-----------|---------|------|------------|-----------|----------------|--------------------|--------|-----|
| FREQUENCY                                |        | Mode | Bandwidth [MHz]   | Dual Display Position | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Serial Number | Modulation                                | RB Size         | RB Offset | Spacing | Side | Duty Cycle | SAR (10g) | Scaling Factor | Reported SAR (10g) | Plot # |     |
| MHz                                      | Ch.    |      |                   |                       |                             |                       |                  |          |               |                                           |                 |           |         |      |            | (W/kg)    |                | (W/kg)             |        |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 25.2                  | 25.19            | 0.12     | 0             | 01720                                     | DFT-S-OFDM QPSK | 1         | 108     | 2 mm | back       | 1:1       | 2.550          | 1.002              | 2.555  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | 1                           | 25.2                  | 25.19            | 0.13     | 0             | 01720                                     | DFT-S-OFDM QPSK | 1         | 108     | 0 mm | back       | 1:1       | 2.890          | 1.002              | 2.896  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 25.2                  | 25.04            | 0.14     | 0             | 01720                                     | DFT-S-OFDM QPSK | 108       | 54      | 2 mm | back       | 1:1       | 2.520          | 1.038              | 2.616  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 25.2                  | 24.90            | 0.13     | 0             | 01720                                     | DFT-S-OFDM QPSK | 216       | 0       | 2 mm | back       | 1:1       | 1.820          | 1.072              | 1.951  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 25.2                  | 25.19            | 0.04     | 0             | 01720                                     | DFT-S-OFDM QPSK | 1         | 108     | 1 mm | front      | 1:1       | 2.890          | 1.002              | 2.896  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | 3                           | 25.2                  | 25.19            | 0.07     | 0             | 01720                                     | DFT-S-OFDM QPSK | 1         | 108     | 0 mm | front      | 1:1       | 3.190          | 1.002              | 3.196  | A67 |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 25.2                  | 25.04            | 0.12     | 0             | 01720                                     | DFT-S-OFDM QPSK | 108       | 54      | 1 mm | front      | 1:1       | 2.730          | 1.038              | 2.834  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 23.7                  | 23.15            | 0.06     | 1.5           | 01720                                     | CP-OFDM QPSK    | 1         | 1       | 1 mm | front      | 1:1       | 1.630          | 1.135              | 1.850  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 25.2                  | 24.90            | 0.11     | 0             | 01720                                     | DFT-S-OFDM QPSK | 216       | 0       | 1 mm | front      | 1:1       | 2.090          | 1.072              | 2.240  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 25.2                  | 25.19            | -0.03    | 0             | 01720                                     | DFT-S-OFDM QPSK | 1         | 108     | 3 mm | bottom     | 1:1       | 2.510          | 1.002              | 2.515  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | 1                           | 25.2                  | 25.19            | -0.07    | 0             | 01720                                     | DFT-S-OFDM QPSK | 1         | 108     | 0 mm | bottom     | 1:1       | 2.350          | 1.002              | 2.355  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 25.2                  | 25.04            | -0.02    | 0             | 01720                                     | DFT-S-OFDM QPSK | 108       | 54      | 3 mm | bottom     | 1:1       | 2.390          | 1.038              | 2.481  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 25.2                  | 24.90            | 0.10     | 0             | 01720                                     | DFT-S-OFDM QPSK | 216       | 0       | 3 mm | bottom     | 1:1       | 1.800          | 1.072              | 1.930  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 25.2                  | 25.19            | -0.18    | 0             | 01720                                     | DFT-S-OFDM QPSK | 1         | 108     | 0 mm | left       | 1:1       | 0.958          | 1.002              | 0.960  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 25.2                  | 25.04            | 0.11     | 0             | 01720                                     | DFT-S-OFDM QPSK | 108       | 54      | 0 mm | left       | 1:1       | 0.986          | 1.038              | 1.023  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 23.2                  | 23.01            | -0.06    | 0             | 01720                                     | DFT-S-OFDM QPSK | 1         | 108     | 0 mm | back       | 1:1       | 2.400          | 1.045              | 2.508  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 23.2                  | 22.95            | -0.02    | 0             | 01720                                     | DFT-S-OFDM QPSK | 108       | 54      | 0 mm | back       | 1:1       | 2.400          | 1.059              | 2.542  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 23.2                  | 22.79            | 0.00     | 0             | 01720                                     | DFT-S-OFDM QPSK | 216       | 0       | 0 mm | back       | 1:1       | 2.420          | 1.099              | 2.660  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 23.2                  | 23.01            | -0.10    | 0             | 01720                                     | DFT-S-OFDM QPSK | 1         | 108     | 0 mm | front      | 1:1       | 2.360          | 1.045              | 2.466  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 23.2                  | 22.95            | -0.06    | 0             | 01720                                     | DFT-S-OFDM QPSK | 108       | 54      | 0 mm | front      | 1:1       | 2.410          | 1.059              | 2.552  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 23.2                  | 22.79            | -0.02    | 0             | 01720                                     | DFT-S-OFDM QPSK | 216       | 0       | 0 mm | front      | 1:1       | 2.340          | 1.099              | 2.572  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 23.2                  | 23.01            | 0.01     | 0             | 01720                                     | DFT-S-OFDM QPSK | 1         | 108     | 0 mm | bottom     | 1:1       | 2.600          | 1.045              | 2.717  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 23.2                  | 22.95            | 0.12     | 0             | 01720                                     | DFT-S-OFDM QPSK | 108       | 54      | 0 mm | bottom     | 1:1       | 2.660          | 1.059              | 2.817  |     |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 23.2                  | 22.79            | 0.14     | 0             | 01720                                     | DFT-S-OFDM QPSK | 216       | 0       | 0 mm | bottom     | 1:1       | 2.550          | 1.099              | 2.802  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |        |      |                   |                       |                             |                       |                  |          |               |                                           |                 |           |         |      |            |           |                |                    |        |     |
| Spatial Peak                             |        |      |                   |                       |                             |                       |                  |          |               | Phablet                                   |                 |           |         |      |            |           |                |                    |        |     |
| Uncontrolled Exposure/General Population |        |      |                   |                       |                             |                       |                  |          |               | 4.0 W/kg (mW/g)<br>averaged over 10 grams |                 |           |         |      |            |           |                |                    |        |     |

Note: 1) Green entries represent additional Phablet SAR Position (DD #1: 0 degrees) 2) Light orange entries represent additional Phablet SAR Position (DD #3: 360 degrees) 3) Blue entry represents variability measurement.

|                                                |                                                                                                                                                                                                                      |                                      |                                                                                       |                                        |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              |  <b>PCTEST</b><br>Proud to be part of  element | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                            | <b>DUT Type:</b><br>Portable Handset | Page 205 of 227                                                                       |                                        |

**Table 11-69**  
**NR n66 (AWS) Antenna 3 Phablet SAR**

| MEASUREMENT RESULTS                      |        |      |                   |                       |                             |                       |                  |          |               |                        |                 |           |         |      |            |           |                |                    |        |  |
|------------------------------------------|--------|------|-------------------|-----------------------|-----------------------------|-----------------------|------------------|----------|---------------|------------------------|-----------------|-----------|---------|------|------------|-----------|----------------|--------------------|--------|--|
| FREQUENCY                                |        | Mode | Bandwidth [MHz]   | Dual Display Position | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Serial Number | Modulation             | RB Size         | RB Offset | Spacing | Side | Duty Cycle | SAR (10g) | Scaling Factor | Reported SAR (10g) | Plot # |  |
| MHz                                      | Ch.    |      |                   |                       |                             |                       |                  |          |               |                        |                 |           |         |      |            | (W/kg)    |                | (W/kg)             |        |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 25.2                  | 25.08            | 0.15     | 0             | 01738                  | DFT-S-OFDM QPSK | 1         | 108     | 2 mm | back       | 1:1       | 1.630          | 1.028              | 1.676  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | 1                           | 25.2                  | 25.08            | 0.10     | 0             | 01738                  | DFT-S-OFDM QPSK | 1         | 108     | 0 mm | back       | 1:1       | 1.770          | 1.028              | 1.820  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 25.2                  | 25.08            | 0.08     | 0             | 01738                  | DFT-S-OFDM QPSK | 108       | 54      | 2 mm | back       | 1:1       | 1.660          | 1.028              | 1.706  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 25.2                  | 25.08            | -0.17    | 0             | 01738                  | DFT-S-OFDM QPSK | 1         | 108     | 1 mm | front      | 1:1       | 1.550          | 1.028              | 1.593  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | 3                           | 25.2                  | 25.08            | 0.03     | 0             | 01738                  | DFT-S-OFDM QPSK | 1         | 108     | 0 mm | front      | 1:1       | 2.200          | 1.028              | 2.262  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 25.2                  | 25.08            | 0.11     | 0             | 01738                  | DFT-S-OFDM QPSK | 108       | 54      | 1 mm | front      | 1:1       | 1.510          | 1.028              | 1.552  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 25.2                  | 25.08            | 0.01     | 0             | 01738                  | DFT-S-OFDM QPSK | 1         | 108     | 3 mm | bottom     | 1:1       | 0.200          | 1.028              | 0.206  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | 1                           | 25.2                  | 25.08            | 0.13     | 0             | 01738                  | DFT-S-OFDM QPSK | 1         | 108     | 0 mm | bottom     | 1:1       | 0.530          | 1.028              | 0.545  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 25.2                  | 25.08            | 0.08     | 0             | 01738                  | DFT-S-OFDM QPSK | 108       | 54      | 3 mm | bottom     | 1:1       | 0.218          | 1.028              | 0.224  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 25.2                  | 25.08            | 0.00     | 0             | 01738                  | DFT-S-OFDM QPSK | 1         | 108     | 2 mm | right      | 1:1       | 2.380          | 1.028              | 2.447  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | 1                           | 25.2                  | 25.08            | -0.10    | 0             | 01738                  | DFT-S-OFDM QPSK | 1         | 108     | 0 mm | right      | 1:1       | 3.180          | 1.028              | 3.269  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 25.2                  | 25.08            | -0.13    | 0             | 01738                  | DFT-S-OFDM QPSK | 108       | 54      | 2 mm | right      | 1:1       | 2.370          | 1.028              | 2.436  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 23.7                  | 23.46            | 0.01     | 1.5           | 01738                  | CP-OFDM QPSK    | 1         | 1       | 2 mm | right      | 1:1       | 1.580          | 1.057              | 1.670  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 25.2                  | 24.96            | 0.01     | 0             | 01738                  | DFT-S-OFDM QPSK | 216       | 0       | 2 mm | right      | 1:1       | 2.080          | 1.057              | 2.199  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 23.2                  | 23.06            | -0.17    | 0             | 01720                  | DFT-S-OFDM QPSK | 1         | 108     | 0 mm | back       | 1:1       | 2.250          | 1.033              | 2.324  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 23.2                  | 23.14            | -0.10    | 0             | 01720                  | DFT-S-OFDM QPSK | 108       | 54      | 0 mm | back       | 1:1       | 2.410          | 1.014              | 2.444  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 23.2                  | 23.00            | 0.09     | 0             | 01720                  | DFT-S-OFDM QPSK | 216       | 0       | 0 mm | back       | 1:1       | 2.330          | 1.047              | 2.440  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 23.2                  | 23.06            | -0.06    | 0             | 01720                  | DFT-S-OFDM QPSK | 1         | 108     | 0 mm | front      | 1:1       | 1.710          | 1.033              | 1.766  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 23.2                  | 23.14            | -0.07    | 0             | 01720                  | DFT-S-OFDM QPSK | 108       | 54      | 0 mm | front      | 1:1       | 1.830          | 1.014              | 1.856  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 23.2                  | 23.06            | 0.04     | 0             | 01720                  | DFT-S-OFDM QPSK | 1         | 108     | 0 mm | bottom     | 1:1       | 0.297          | 1.033              | 0.307  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 23.2                  | 23.14            | -0.13    | 0             | 01720                  | DFT-S-OFDM QPSK | 108       | 54      | 0 mm | bottom     | 1:1       | 0.329          | 1.014              | 0.334  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 23.2                  | 23.06            | 0.10     | 0             | 01720                  | DFT-S-OFDM QPSK | 1         | 108     | 0 mm | right      | 1:1       | 2.650          | 1.033              | 2.737  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 23.2                  | 23.14            | -0.19    | 0             | 01720                  | DFT-S-OFDM QPSK | 108       | 54      | 0 mm | right      | 1:1       | 2.850          | 1.014              | 2.890  |  |
| 1745.00                                  | 349000 | Mid  | NR Band n66 (AWS) | 40                    | -                           | 23.2                  | 23.00            | -0.15    | 0             | 01720                  | DFT-S-OFDM QPSK | 216       | 0       | 0 mm | right      | 1:1       | 2.800          | 1.047              | 2.932  |  |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |        |      |                   |                       |                             |                       |                  |          |               | Phablet                |                 |           |         |      |            |           |                |                    |        |  |
| Spatial Peak                             |        |      |                   |                       |                             |                       |                  |          |               | 4.0 W/kg (mW/g)        |                 |           |         |      |            |           |                |                    |        |  |
| Uncontrolled Exposure/General Population |        |      |                   |                       |                             |                       |                  |          |               | averaged over 10 grams |                 |           |         |      |            |           |                |                    |        |  |

Note: 1) Green entries represent additional Phablet SAR Position (DD #1: 0 degrees) 2) Light orange entries represent additional Phablet SAR Position (DD #3: 360 degrees)

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                  | DUT Type:<br>Portable Handset |                                                                                       | Page 206 of 227                 |

**Table 11-70**  
**NR n25 (PCS) Antenna 2 Standalone Phablet SAR**

| MEASUREMENT RESULTS                      |        |      |                   |                       |                             |                       |                  |          |               |                                           |                 |           |         |      |            |           |                |                    |        |     |
|------------------------------------------|--------|------|-------------------|-----------------------|-----------------------------|-----------------------|------------------|----------|---------------|-------------------------------------------|-----------------|-----------|---------|------|------------|-----------|----------------|--------------------|--------|-----|
| FREQUENCY                                |        | Mode | Bandwidth [MHz]   | Dual Display Position | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Serial Number | Modulation                                | RB Size         | RB Offset | Spacing | Side | Duty Cycle | SAR (10g) | Scaling Factor | Reported SAR (10g) | Plot # |     |
| MHz                                      | Ch.    |      |                   |                       |                             |                       |                  |          |               |                                           |                 |           |         |      |            | (W/kg)    |                | (W/kg)             |        |     |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 25.2                  | 25.01            | -0.19    | 0             | 01720                                     | DFT-S-OFDM QPSK | 1         | 108     | 2 mm | back       | 1:1       | 1.770          | 1.045              | 1.850  |     |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | 1                           | 25.2                  | 25.01            | -0.02    | 0             | 01720                                     | DFT-S-OFDM QPSK | 1         | 108     | 0 mm | back       | 1:1       | 3.200          | 1.045              | 3.344  | A68 |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 25.2                  | 25.02            | 0.15     | 0             | 01720                                     | DFT-S-OFDM QPSK | 108       | 54      | 2 mm | back       | 1:1       | 2.010          | 1.042              | 2.094  |     |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 25.2                  | 25.00            | 0.13     | 0             | 01720                                     | DFT-S-OFDM QPSK | 216       | 0       | 2 mm | back       | 1:1       | 1.510          | 1.047              | 1.581  |     |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 25.2                  | 25.01            | -0.05    | 0             | 01720                                     | DFT-S-OFDM QPSK | 1         | 108     | 1 mm | front      | 1:1       | 1.530          | 1.045              | 1.599  |     |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | 3                           | 25.2                  | 25.01            | -0.17    | 0             | 01720                                     | DFT-S-OFDM QPSK | 1         | 108     | 0 mm | front      | 1:1       | 1.940          | 1.045              | 2.027  |     |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 25.2                  | 25.02            | -0.04    | 0             | 01720                                     | DFT-S-OFDM QPSK | 108       | 54      | 1 mm | front      | 1:1       | 1.540          | 1.042              | 1.605  |     |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 25.2                  | 25.01            | -0.08    | 0             | 01720                                     | DFT-S-OFDM QPSK | 1         | 108     | 3 mm | bottom     | 1:1       | 2.830          | 1.045              | 2.957  |     |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | 1                           | 25.2                  | 25.01            | -0.05    | 0             | 01720                                     | DFT-S-OFDM QPSK | 1         | 108     | 0 mm | bottom     | 1:1       | 3.100          | 1.045              | 3.240  |     |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 25.2                  | 25.02            | -0.13    | 0             | 01720                                     | DFT-S-OFDM QPSK | 108       | 54      | 3 mm | bottom     | 1:1       | 2.940          | 1.042              | 3.063  |     |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 25.2                  | 25.00            | -0.16    | 0             | 01720                                     | DFT-S-OFDM QPSK | 216       | 0       | 3 mm | bottom     | 1:1       | 2.250          | 1.047              | 2.356  |     |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 25.2                  | 25.01            | -0.17    | 0             | 01720                                     | DFT-S-OFDM QPSK | 1         | 108     | 0 mm | left       | 1:1       | 0.490          | 1.045              | 0.512  |     |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 25.2                  | 25.02            | -0.11    | 0             | 01720                                     | DFT-S-OFDM QPSK | 108       | 54      | 0 mm | left       | 1:1       | 0.477          | 1.042              | 0.497  |     |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 23.2                  | 22.65            | -0.13    | 0             | 01720                                     | DFT-S-OFDM QPSK | 1         | 108     | 0 mm | back       | 1:1       | 2.070          | 1.135              | 2.349  |     |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 23.2                  | 22.65            | -0.03    | 0             | 01720                                     | DFT-S-OFDM QPSK | 108       | 54      | 0 mm | back       | 1:1       | 2.260          | 1.135              | 2.565  |     |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 23.2                  | 22.64            | -0.09    | 0             | 01720                                     | DFT-S-OFDM QPSK | 216       | 0       | 0 mm | back       | 1:1       | 2.270          | 1.138              | 2.583  |     |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 23.2                  | 22.65            | -0.17    | 0             | 01720                                     | DFT-S-OFDM QPSK | 1         | 108     | 0 mm | front      | 1:1       | 1.660          | 1.135              | 1.884  |     |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 23.2                  | 22.65            | -0.18    | 0             | 01720                                     | DFT-S-OFDM QPSK | 108       | 54      | 0 mm | front      | 1:1       | 1.700          | 1.135              | 1.930  |     |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 23.2                  | 22.65            | 0.15     | 0             | 01720                                     | DFT-S-OFDM QPSK | 1         | 108     | 0 mm | bottom     | 1:1       | 2.920          | 1.135              | 3.314  |     |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 23.2                  | 22.65            | 0.01     | 0             | 01720                                     | DFT-S-OFDM QPSK | 108       | 54      | 0 mm | bottom     | 1:1       | 3.050          | 1.135              | 3.462  |     |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 23.2                  | 22.36            | -0.15    | 0             | 01720                                     | CP-OFDM QPSK    | 1         | 1       | 0 mm | bottom     | 1:1       | 2.710          | 1.213              | 3.287  |     |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 23.2                  | 22.64            | -0.05    | 0             | 01720                                     | DFT-S-OFDM QPSK | 216       | 0       | 0 mm | bottom     | 1:1       | 2.970          | 1.138              | 3.380  |     |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |        |      |                   |                       |                             |                       |                  |          |               |                                           |                 |           |         |      |            |           |                |                    |        |     |
| Spatial Peak                             |        |      |                   |                       |                             |                       |                  |          |               | Phablet                                   |                 |           |         |      |            |           |                |                    |        |     |
| Uncontrolled Exposure/General Population |        |      |                   |                       |                             |                       |                  |          |               | 4.0 W/kg (mW/g)<br>averaged over 10 grams |                 |           |         |      |            |           |                |                    |        |     |

Note: 1) Green entries represent additional Phablet SAR Position (DD #1: 0 degrees) 2) Light orange entries represent additional Phablet SAR Position (DD #3: 360 degrees)

|                                                |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset | Page 207 of 227                                                                       |                                        |

**Table 11-71**  
**NR n25 (PCS) Antenna 3 Phablet SAR**

| MEASUREMENT RESULTS                      |        |      |                   |                       |                             |                       |                  |          |               |                        |                 |           |         |      |            |           |                |                    |        |  |
|------------------------------------------|--------|------|-------------------|-----------------------|-----------------------------|-----------------------|------------------|----------|---------------|------------------------|-----------------|-----------|---------|------|------------|-----------|----------------|--------------------|--------|--|
| FREQUENCY                                |        | Mode | Bandwidth [MHz]   | Dual Display Position | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | MPR [dB] | Serial Number | Modulation             | RB Size         | RB Offset | Spacing | Side | Duty Cycle | SAR (10g) | Scaling Factor | Reported SAR (10g) | Plot # |  |
| MHz                                      | Ch.    |      |                   |                       |                             |                       |                  |          |               |                        |                 |           |         |      |            | (W/kg)    |                | (W/kg)             |        |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 25.2                  | 25.16            | 0.17     | 0             | 01720                  | DFT-S-OFDM QPSK | 1         | 108     | 2 mm | back       | 1:1       | 1.670          | 1.009              | 1.685  |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | 1                           | 25.2                  | 25.16            | 0.20     | 0             | 01720                  | DFT-S-OFDM QPSK | 1         | 108     | 0 mm | back       | 1:1       | 1.790          | 1.009              | 1.806  |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 25.2                  | 25.17            | 0.18     | 0             | 01720                  | DFT-S-OFDM QPSK | 108       | 54      | 2 mm | back       | 1:1       | 1.980          | 1.007              | 1.994  |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 25.2                  | 25.03            | -0.18    | 0             | 01720                  | DFT-S-OFDM QPSK | 216       | 0       | 2 mm | back       | 1:1       | 1.530          | 1.040              | 1.591  |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 25.2                  | 25.16            | 0.00     | 0             | 01720                  | DFT-S-OFDM QPSK | 1         | 108     | 1 mm | front      | 1:1       | 2.070          | 1.009              | 2.089  |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | 3                           | 25.2                  | 25.16            | -0.07    | 0             | 01720                  | DFT-S-OFDM QPSK | 1         | 108     | 0 mm | front      | 1:1       | 2.200          | 1.009              | 2.220  |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 25.2                  | 25.17            | 0.01     | 0             | 01720                  | DFT-S-OFDM QPSK | 108       | 54      | 1 mm | front      | 1:1       | 2.040          | 1.007              | 2.054  |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 25.2                  | 25.03            | -0.08    | 0             | 01720                  | DFT-S-OFDM QPSK | 216       | 0       | 1 mm | front      | 1:1       | 2.020          | 1.040              | 2.101  |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 25.2                  | 25.16            | -0.08    | 0             | 01720                  | DFT-S-OFDM QPSK | 1         | 108     | 3 mm | bottom     | 1:1       | 0.389          | 1.009              | 0.393  |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | 1                           | 25.2                  | 25.16            | -0.10    | 0             | 01720                  | DFT-S-OFDM QPSK | 1         | 108     | 0 mm | bottom     | 1:1       | 0.659          | 1.009              | 0.665  |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 25.2                  | 25.17            | -0.11    | 0             | 01720                  | DFT-S-OFDM QPSK | 108       | 54      | 3 mm | bottom     | 1:1       | 0.420          | 1.007              | 0.423  |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 25.2                  | 25.16            | 0.00     | 0             | 01720                  | DFT-S-OFDM QPSK | 1         | 108     | 2 mm | right      | 1:1       | 2.870          | 1.009              | 2.896  |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | 1                           | 25.2                  | 25.16            | -0.11    | 0             | 01720                  | DFT-S-OFDM QPSK | 1         | 108     | 0 mm | right      | 1:1       | 2.820          | 1.009              | 2.845  |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 25.2                  | 25.17            | -0.05    | 0             | 01720                  | DFT-S-OFDM QPSK | 108       | 54      | 2 mm | right      | 1:1       | 2.970          | 1.007              | 2.991  |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 23.7                  | 23.42            | 0.00     | 1.5           | 01720                  | CP-OFDM QPSK    | 1         | 1       | 2 mm | right      | 1:1       | 1.980          | 1.067              | 2.113  |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 25.2                  | 25.03            | -0.17    | 0             | 01720                  | DFT-S-OFDM QPSK | 216       | 0       | 2 mm | right      | 1:1       | 2.410          | 1.040              | 2.506  |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 23.2                  | 23.14            | -0.13    | 0             | 01720                  | DFT-S-OFDM QPSK | 1         | 108     | 0 mm | back       | 1:1       | 1.780          | 1.014              | 1.805  |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 23.2                  | 23.16            | -0.10    | 0             | 01720                  | DFT-S-OFDM QPSK | 108       | 54      | 0 mm | back       | 1:1       | 1.960          | 1.009              | 1.978  |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 23.2                  | 23.14            | 0.03     | 0             | 01720                  | DFT-S-OFDM QPSK | 1         | 108     | 0 mm | front      | 1:1       | 1.410          | 1.014              | 1.430  |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 23.2                  | 23.16            | -0.06    | 0             | 01720                  | DFT-S-OFDM QPSK | 108       | 54      | 0 mm | front      | 1:1       | 1.510          | 1.009              | 1.524  |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 23.2                  | 23.14            | -0.10    | 0             | 01720                  | DFT-S-OFDM QPSK | 1         | 108     | 0 mm | bottom     | 1:1       | 0.409          | 1.014              | 0.415  |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 23.2                  | 23.16            | 0.18     | 0             | 01720                  | DFT-S-OFDM QPSK | 108       | 54      | 0 mm | bottom     | 1:1       | 0.454          | 1.009              | 0.458  |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 23.2                  | 23.14            | -0.12    | 0             | 01720                  | DFT-S-OFDM QPSK | 1         | 108     | 0 mm | right      | 1:1       | 2.060          | 1.014              | 2.089  |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 23.2                  | 23.16            | -0.10    | 0             | 01720                  | DFT-S-OFDM QPSK | 108       | 54      | 0 mm | right      | 1:1       | 2.150          | 1.009              | 2.169  |  |
| 1882.50                                  | 376500 | Mid  | NR Band n25 (PCS) | 40                    | -                           | 23.2                  | 22.98            | -0.10    | 0             | 01720                  | DFT-S-OFDM QPSK | 216       | 0       | 0 mm | right      | 1:1       | 2.050          | 1.052              | 2.157  |  |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |        |      |                   |                       |                             |                       |                  |          |               | Phablet                |                 |           |         |      |            |           |                |                    |        |  |
| Spatial Peak                             |        |      |                   |                       |                             |                       |                  |          |               | 4.0 W/kg (mW/g)        |                 |           |         |      |            |           |                |                    |        |  |
| Uncontrolled Exposure/General Population |        |      |                   |                       |                             |                       |                  |          |               | averaged over 10 grams |                 |           |         |      |            |           |                |                    |        |  |

Note: 1) Green entries represent additional Phablet SAR Position (DD #1: 0 degrees) 2) Light orange entries represent additional Phablet SAR Position (DD #3: 360 degrees)

|                                         |                                                                                                                                                                                                |                               |                                                                                       |                                 |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       | <br>Proud to be part of  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                             | DUT Type:<br>Portable Handset |                                                                                       | Page 208 of 227                 |

**Table 11-72**  
**WLAN Phablet SAR**

| MEASUREMENT RESULTS                                   |     |         |         |                 |                             |                       |                  |                            |                 |                      |                  |       |                |                       |           |                        |                             |                    |        |
|-------------------------------------------------------|-----|---------|---------|-----------------|-----------------------------|-----------------------|------------------|----------------------------|-----------------|----------------------|------------------|-------|----------------|-----------------------|-----------|------------------------|-----------------------------|--------------------|--------|
| FREQUENCY                                             |     | Mode    | Service | Bandwidth [MHz] | Maximum Allowed Power [dBm] | Conducted Power [dBm] | Power Drift [dB] | Spacing                    | Antenna Config. | Device Serial Number | Data Rate (Mbps) | Side  | Duty Cycle (%) | Peak SAR of Area Scan | SAR (10g) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR (10g) | Plot # |
| MHz                                                   | Ch. |         |         |                 |                             |                       |                  |                            |                 |                      |                  |       |                | W/kg                  | (W/kg)    |                        |                             | (W/kg)             |        |
| 5260                                                  | 52  | 802.11a | OFDM    | 20              | 17.5                        | 17.15                 | -0.20            | 0 mm                       | 1               | 01464                | 6                | back  | 97.6           | 7.465                 | 0.972     | 1.084                  | 1.025                       | 1.080              | A69    |
| 5280                                                  | 56  | 802.11a | OFDM    | 20              | 19.5                        | 19.34                 | 0.12             | 0 mm                       | 1               | 01464                | 6                | back  | 97.6           | 11.656                | 1.720     | 1.038                  | 1.025                       | 1.830              |        |
| 5300                                                  | 60  | 802.11a | OFDM    | 20              | 17.6                        | 17.11                 | -0.20            | 0 mm                       | 1               | 01464                | 6                | back  | 97.6           | 7.351                 | 1.020     | 1.119                  | 1.025                       | 1.170              |        |
| 5280                                                  | 56  | 802.11a | OFDM    | 20              | 19.5                        | 19.34                 | -0.18            | 0 mm                       | 1               | 01464                | 6                | front | 97.6           | 1.819                 | 0.296     | 1.038                  | 1.025                       | 0.315              |        |
| 5280                                                  | 56  | 802.11a | OFDM    | 20              | 19.5                        | 19.34                 | 0.11             | 0 mm                       | 1               | 01464                | 6                | top   | 97.6           | 2.949                 | -         | 1.038                  | 1.025                       | -                  |        |
| 5280                                                  | 56  | 802.11a | OFDM    | 20              | 19.5                        | 19.34                 | -0.20            | 0 mm                       | 1               | 01464                | 6                | left  | 97.6           | 4.357                 | 0.443     | 1.038                  | 1.025                       | 0.471              |        |
| 5280                                                  | 56  | 802.11a | OFDM    | 20              | 19.5                        | 18.61                 | -0.10            | 0 mm                       | 2               | 01464                | 6                | back  | 97.8           | 5.616                 | 0.541     | 1.227                  | 1.022                       | 0.678              |        |
| 5280                                                  | 56  | 802.11a | OFDM    | 20              | 19.5                        | 18.61                 | 0.19             | 0 mm                       | 2               | 01464                | 6                | front | 97.8           | 2.236                 | 0.389     | 1.227                  | 1.022                       | 0.488              |        |
| 5280                                                  | 56  | 802.11a | OFDM    | 20              | 19.5                        | 18.61                 | 0.19             | 0 mm                       | 2               | 01464                | 6                | top   | 97.8           | 1.810                 | -         | 1.227                  | 1.022                       | -                  |        |
| 5280                                                  | 56  | 802.11a | OFDM    | 20              | 19.5                        | 18.61                 | -0.17            | 0 mm                       | 2               | 01464                | 6                | left  | 97.8           | 1.521                 | 0.154     | 1.227                  | 1.022                       | 0.193              |        |
| 5700                                                  | 140 | 802.11a | OFDM    | 20              | 17.8                        | 16.88                 | -0.16            | 0 mm                       | 1               | 01464                | 6                | back  | 97.6           | 8.537                 | 1.020     | 1.236                  | 1.025                       | 1.292              |        |
| 5700                                                  | 140 | 802.11a | OFDM    | 20              | 17.8                        | 16.88                 | 0.00             | 0 mm                       | 1               | 01464                | 6                | front | 97.6           | 0.486                 | 0.055     | 1.236                  | 1.025                       | 0.070              |        |
| 5700                                                  | 140 | 802.11a | OFDM    | 20              | 17.8                        | 16.88                 | 0.19             | 0 mm                       | 1               | 01464                | 6                | top   | 97.6           | 1.025                 | -         | 1.236                  | 1.025                       | -                  |        |
| 5700                                                  | 140 | 802.11a | OFDM    | 20              | 17.8                        | 16.88                 | 0.00             | 0 mm                       | 1               | 01464                | 6                | left  | 97.6           | 2.346                 | 0.204     | 1.236                  | 1.025                       | 0.258              |        |
| 5700                                                  | 140 | 802.11a | OFDM    | 20              | 17.8                        | 16.86                 | 0.20             | 0 mm                       | 2               | 01464                | 6                | back  | 97.8           | 3.708                 | 0.695     | 1.242                  | 1.022                       | 0.882              |        |
| 5700                                                  | 140 | 802.11a | OFDM    | 20              | 17.8                        | 16.86                 | 0.18             | 0 mm                       | 2               | 01464                | 6                | front | 97.8           | 1.891                 | 0.318     | 1.242                  | 1.022                       | 0.404              |        |
| 5700                                                  | 140 | 802.11a | OFDM    | 20              | 17.8                        | 16.86                 | -0.16            | 0 mm                       | 2               | 01464                | 6                | top   | 97.8           | 1.976                 | -         | 1.242                  | 1.022                       | -                  |        |
| 5700                                                  | 140 | 802.11a | OFDM    | 20              | 17.8                        | 16.86                 | 0.20             | 0 mm                       | 2               | 01464                | 6                | left  | 97.8           | 3.046                 | 0.258     | 1.242                  | 1.022                       | 0.327              |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT<br>Spatial Peak |     |         |         |                 |                             |                       |                  | Phablet<br>4.0 W/kg (mW/g) |                 |                      |                  |       |                |                       |           |                        |                             |                    |        |
| Uncontrolled Exposure/General Population              |     |         |         |                 |                             |                       |                  | averaged over 10 grams     |                 |                      |                  |       |                |                       |           |                        |                             |                    |        |

**Table 11-73**  
**WLAN MIMO Phablet SAR**

| MEASUREMENT RESULTS                      |     |         |         |                 |                                     |                               |                                     |                               |                  |         |                        |                      |                  |       |                |                       |           |                        |                             |                           |        |
|------------------------------------------|-----|---------|---------|-----------------|-------------------------------------|-------------------------------|-------------------------------------|-------------------------------|------------------|---------|------------------------|----------------------|------------------|-------|----------------|-----------------------|-----------|------------------------|-----------------------------|---------------------------|--------|
| FREQUENCY                                |     | Mode    | Service | Bandwidth (MHz) | Maximum Allowed Power (Ant 1) [dBm] | Conducted Power (Ant 1) [dBm] | Maximum Allowed Power (Ant 2) [dBm] | Conducted Power (Ant 2) [dBm] | Power Drift [dB] | Spacing | Antenna Config.        | Device Serial Number | Data Rate (Mbps) | Side  | Duty Cycle (%) | Peak SAR of Area Scan | SAR (10g) | Scaling Factor (Power) | Scaling Factor (Duty Cycle) | Reported SAR (10g) (W/kg) | Plot # |
| MHz                                      | Ch. |         |         |                 |                                     |                               |                                     |                               |                  |         |                        |                      |                  |       |                | W/kg                  | (W/kg)    |                        |                             | (W/kg)                    |        |
| 5260                                     | 52  | 802.11n | OFDM    | 20              | 17.4                                | 16.99                         | 17.4                                | 16.50                         | -0.14            | 0 mm    | MIMO                   | 01464                | 13               | back  | 97.6           | 5.520                 | 0.878     | 1.230                  | 1.025                       | 1.107                     |        |
| 5280                                     | 56  | 802.11n | OFDM    | 20              | 19.5                                | 19.23                         | 19.5                                | 18.46                         | -0.18            | 0 mm    | MIMO                   | 01464                | 13               | back  | 97.6           | 10.783                | 1.590     | 1.271                  | 1.025                       | 2.071                     |        |
| 5320                                     | 64  | 802.11n | OFDM    | 20              | 17.4                                | 16.94                         | 17.4                                | 16.47                         | 0.16             | 0 mm    | MIMO                   | 01464                | 13               | back  | 97.6           | 6.141                 | 0.977     | 1.239                  | 1.025                       | 1.241                     |        |
| 5280                                     | 56  | 802.11n | OFDM    | 20              | 19.5                                | 19.23                         | 19.5                                | 18.46                         | 0.19             | 0 mm    | MIMO                   | 01464                | 13               | front | 97.6           | 2.932                 | 0.600     | 1.271                  | 1.025                       | 0.782                     |        |
| 5280                                     | 56  | 802.11n | OFDM    | 20              | 19.5                                | 19.23                         | 19.5                                | 18.46                         | -0.13            | 0 mm    | MIMO                   | 01464                | 13               | top   | 97.6           | 4.327                 | -         | 1.271                  | 1.025                       | -                         |        |
| 5280                                     | 56  | 802.11n | OFDM    | 20              | 19.5                                | 19.23                         | 19.5                                | 18.46                         | -0.12            | 0 mm    | MIMO                   | 01464                | 13               | left  | 97.6           | 5.988                 | 0.570     | 1.271                  | 1.025                       | 0.743                     |        |
| 5500                                     | 100 | 802.11n | OFDM    | 20              | 17.8                                | 16.97                         | 17.8                                | 16.84                         | 0.15             | 0 mm    | MIMO                   | 01464                | 13               | back  | 97.6           | 12.163                | 1.520     | 1.247                  | 1.025                       | 1.943                     |        |
| 5500                                     | 100 | 802.11n | OFDM    | 20              | 17.8                                | 16.97                         | 17.8                                | 16.84                         | 0.20             | 0 mm    | MIMO                   | 01464                | 13               | front | 97.6           | 3.097                 | 0.497     | 1.247                  | 1.025                       | 0.635                     |        |
| 5500                                     | 100 | 802.11n | OFDM    | 20              | 17.8                                | 16.97                         | 17.8                                | 16.84                         | 0.19             | 0 mm    | MIMO                   | 01464                | 13               | top   | 97.6           | 3.255                 | -         | 1.247                  | 1.025                       | -                         |        |
| 5500                                     | 100 | 802.11n | OFDM    | 20              | 17.8                                | 16.97                         | 17.8                                | 16.84                         | 0.20             | 0 mm    | MIMO                   | 01464                | 13               | left  | 97.6           | 6.687                 | 0.575     | 1.247                  | 1.025                       | 0.735                     |        |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |     |         |         |                 |                                     |                               |                                     |                               |                  |         | Phablet                |                      |                  |       |                |                       |           |                        |                             |                           |        |
| Spatial Peak                             |     |         |         |                 |                                     |                               |                                     |                               |                  |         | 4.0 W/kg (mW/g)        |                      |                  |       |                |                       |           |                        |                             |                           |        |
| Uncontrolled Exposure/General Population |     |         |         |                 |                                     |                               |                                     |                               |                  |         | averaged over 10 grams |                      |                  |       |                |                       |           |                        |                             |                           |        |

Note: To achieve the 20.4 dBm maximum allowed MIMO power shown in the documentation for channel 52 and 64, each antenna transmits at a maximum allowed power of 17.4 dBm. To achieve the 22.5 dBm maximum allowed MIMO power shown in the documentation for channel 56, each antenna transmits at a maximum allowed power of 19.5 dBm. To achieve the 20.8 dBm maximum allowed MIMO power shown in the documentation for channel 100, each antenna transmits at a maximum allowed power of 17.8 dBm.

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
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## 11.5 SAR Test Notes

### General Notes:

1. The test data reported are the worst-case SAR values according to test procedures specified in IEEE 1528-2013, and FCC KDB Publication 447498 D01v06.
2. Batteries are fully charged at the beginning of the SAR measurements.
3. Liquid tissue depth was at least 15.0 cm for all frequencies.
4. The orange highlights throughout the report represents the highest SAR per FCC Equipment Class reflected on the FCC Grant.
5. The manufacturer has confirmed that the device(s) tested have the same physical, mechanical and thermal characteristics and are within operational tolerances expected for production units.
6. SAR results were scaled to the maximum allowed power to demonstrate compliance per FCC KDB Publication 447498 D01v06.
7. Device was tested using a fixed spacing for body-worn accessory testing. A separation distance of 10 mm was considered because the manufacturer has determined that there will be body-worn accessories available in the marketplace for users to support this separation distance.
8. Per FCC KDB Publication 648474 D04v01r03, body-worn SAR was evaluated without a headset connected to the device. Since the standalone reported body-worn SAR was  $\leq 1.2$  W/kg, no additional body-worn SAR evaluations using a headset cable were required.
9. Per FCC KDB 865664 D01v01r04, variability SAR tests were performed when the measured SAR results for a frequency band were greater than or equal to 0.8 W/kg. Repeated SAR measurements are highlighted in the tables above for clarity. Please see Section 12 for variability analysis.
10. During SAR Testing for the Wireless Router conditions per FCC KDB Publication 941225 D06v02r01, the actual Portable Hotspot operation (with actual simultaneous transmission of a transmitter with WIFI) was not activated (See Section 6.7 for more details).
11. Per FCC KDB Publication 648474 D04v01r03, this device is considered a "phablet" since the diagonal dimension is  $> 160$  mm and  $< 200$  mm. Therefore, phablet SAR tests are required when wireless router mode does not apply or if wireless router 1g SAR  $> 1.2$  W/kg. Additional SAR tests for phablet SAR were evaluated per KDB 616217 Section 6 (See Section 6.9 for more information)
12. Unless otherwise noted, when 10g SAR measurement is considered, a factor of 2.5 is applied to the 1g thresholds for the equivalent test cases.

### GSM Test Notes:

1. Body-Worn accessory testing is typically associated with voice operations. Therefore, GSM voice was evaluated for body-worn SAR.
2. Justification for reduced test configurations per KDB Publication 941225 D01v03r01 and October 2013 TCB Workshop Notes: The source-based frame-averaged output power was evaluated for all GPRS/EDGE slot configurations. The configuration with the highest target frame averaged output power was evaluated for hotspot SAR. When the maximum frame-averaged powers are equivalent across two or more slots (within 0.25 dB), the configuration with the most number of time slots was tested.
3. Per FCC KDB Publication 447498 D01v06, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is  $\leq 0.8$  W/kg for 1g evaluations then testing at the other channels is not required for such test configuration(s). When the maximum output power variation across the required test channels is  $> \frac{1}{2}$  dB, instead of the middle channel, the highest output power channel was used.
4. GPRS was additionally evaluated for head and body-worn exposure conditions to address possible VoIP scenarios.

### CDMA Notes:

1. Head SAR for CDMA2000 mode was tested under RC3/SO55 per FCC KDB Publication 941225 D01v03r01.
2. Body-Worn SAR was tested with 1x RTT with TDSO / SO32 FCH Only. EVDO Rev0 and RevA and TDSO / SO32 FCH+SCH SAR tests were not required per the 3G SAR Test Reduction Procedure in FCC KDB Publication 941225 D01v03r01.

|                                                |                                                                                                                                                                                                              |                                      |                                                                                                 |                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------------|
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| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset | Page 210 of 227                                                                                 |                                        |

3. CDMA Wireless Router SAR is measured using Subtype 0/1 Physical Layer configurations for Rev. 0 according to KDB 941225 D01v03r01 procedures for data devices. Wireless Router SAR tests for Subtype 2 of Rev.A and 1x RTT configurations were not required per the 3G SAR Test Reduction Policy in KDB Publication 941225 D01v03r01.
4. Head SAR was additionally evaluated using EVDO Rev. A to determine compliance for VoIP operations.
5. Per FCC KDB Publication 447498 D01v06, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is  $\leq 0.8$  W/kg for 1g evaluations then testing at the other channels is not required for such test configuration(s). When the maximum output power variation across the required test channels is  $> \frac{1}{2}$  dB, instead of the middle channel, the highest output power channel was used.

#### UMTS Notes:

1. UMTS mode was tested under RMC 12.2 kbps with HSPA Inactive per KDB Publication 941225 D01v03r01. AMR and HSPA SAR was not required per the 3G Test Reduction Procedure in KDB Publication 941225 D01v03r01.
2. Per FCC KDB Publication 447498 D01v06, if the reported (scaled) SAR measured at the middle channel or highest output power channel for each test configuration is  $\leq 0.8$  W/kg for 1g evaluations then testing at the other channels is not required for such test configuration(s). When the maximum output power variation across the required test channels is  $> \frac{1}{2}$  dB, instead of the middle channel, the highest output power channel was used.

#### LTE Notes:

1. LTE test configurations are determined according to SAR Evaluation Considerations for LTE Devices in FCC KDB Publication 941225 D05v02r04. The general test procedures used for testing can be found in Section 8.6.4.
2. MPR is permanently implemented for this device by the manufacturer. The specific manufacturer target MPR is indicated alongside the SAR results. MPR is enabled for this device, according to 3GPP TS36.101 Section 6.2.3 – 6.2.5 under Table 6.2.3-1.
3. A-MPR was disabled for all SAR tests by setting NS=01 on the base station simulator. SAR tests were performed with the same number of RB and RB offsets transmitting on all TTI frames (maximum TTI).
4. Per FCC KDB Publication 447498 D01v06, when the reported LTE Band 41 SAR measured at the highest output power channel in a given a test configuration was  $> 0.6$  W/kg for 1g evaluations, testing at the other channels was required for such test configurations.
5. TDD LTE was tested per the guidance provided in FCC KDB Publication 941225 D05v02r04. Testing was performed using UL-DL configuration 0 with 6 UL subframes and 2 S subframes using extended cyclic prefix only and special subframe configuration 6. SAR tests were performed at maximum output power and worst-case transmission duty factor in extended cyclic prefix. Per 3GPP 36.211 Section 4, the duty factor for special subframe configuration 6 using extended cyclic prefix is 0.633.
6. Per KDB Publication 941225 D05Av01r02, SAR for downlink only LTE CA operations was not needed since the maximum average output power in LTE CA mode was not  $> 0.25$  dB higher than the maximum output power when downlink carrier aggregation was inactive.
7. For LTE Band 41, per FCC guidance, SAR was first measured with only a single carrier active in the uplink (carrier aggregation not active). For each exposure condition, the uplink CA scenario with two component carriers was additionally tested for the configuration with the highest SAR when carrier aggregation was not active. The SCC was configured with the closest available contiguous channel. The two component carriers were configured so the resource blocks are physically allocated side by side to achieve the maximum output power.

#### NR Notes:

1. Per FCC guidance, during EN-DC operations, SAR tests for NR bands and LTE Anchor bands were performed separately due to limitations in SAR probe calibration factors
2. Due to test setup limitations, SAR testing for NR was performed using test mode software to establish the connection.

|                                         |                                                                                                                                                                                                              |                               |                                                                                                 |                                 |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------|
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| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                                           | DUT Type:<br>Portable Handset |                                                                                                 | Page 211 of 227                 |



3. This device additionally supports some EN-DC conditions where additional LTE carriers are added on the downlink only.
4. Per FCC Guidance, NR modulations and RB Sizes/Offsets were selected for testing such that configurations with the highest output power were evaluated for SAR tests.
5. For final implementation, NR slot configuration is synchronized using LTE uplink/downlink frame configuration 2 (extended cyclic prefix uplink duty cycle = 23.33%). SAR testing was performed using FTM mode with transmission duty cycle of 21.43% and additionally scaled to 23.57% per the manufacturer NR slot format.

#### WLAN Notes:

1. For held-to-ear, hotspot, and phablet operations, the initial test position procedures were applied. The test position with the highest extrapolated peak SAR will be used as the initial test position. When reported SAR for the initial test position is  $\leq 0.4$  W/kg for 1g evaluations, no additional testing for the remaining test positions was required. Otherwise, SAR is evaluated at the subsequent highest peak SAR positions until the reported SAR result is  $\leq 0.8$  W/kg or all test positions are measured.
2. Justification for test configurations for WLAN per KDB Publication 248227 D01v02r02 for 2.4 GHz WIFI single transmission chain operations, the highest measured maximum output power channel for DSSS was selected for SAR measurement. SAR for OFDM modes (2.4 GHz 802.11g/n) was not required due to the maximum allowed powers and the highest reported DSSS SAR. See Section 8.7.5 for more information.
3. Justification for test configurations for WLAN per KDB Publication 248227 D01v02r02 for 5 GHz WIFI single transmission chain operations, the initial test configuration was selected according to the transmission mode with the highest maximum allowed powers. Other transmission modes were not investigated since the highest reported SAR for initial test configuration adjusted by the ratio of maximum output powers is less than 1.2 W/kg for 1g evaluations. See Section 8.7.6 for more information.
4. When the maximum reported 1g averaged SAR is  $\leq 0.8$  W/kg, SAR testing on additional channels was not required. Otherwise, SAR for the next highest output power channel was required until the reported SAR result was  $\leq 1.20$  W/kg for 1g evaluations or all test channels were measured.
5. The device was configured to transmit continuously at the required data rate, channel bandwidth and signal modulation, using the highest transmission duty factor supported by the test mode tools. The reported SAR was scaled to the 100% transmission duty factor to determine compliance. Procedures used to measure the duty factor are identical to that in the associated EMC test reports.
6. Per KDB Publication 248227 D01v02r02, SAR for MIMO was evaluated by following the simultaneous SAR provisions from KDB Publication 447498 D01v06 by either evaluating the sum of the 1g SAR values of each antenna transmitting independently or making a SAR measurement with both antennas transmitting simultaneously. Please see Section 12 for complete analysis.

#### Bluetooth Notes

1. Bluetooth SAR was measured with the device connected to a call box with hopping disabled with DH5 operation and Tx Tests test mode type. Per October 2016 TCB Workshop Notes, the reported SAR was scaled to the 100% transmission duty factor to determine compliance. See Section 9.7 for the time domain plot and calculation for the duty factor of the device.
2. Head and Hotspot Bluetooth SAR were evaluated for BT BR tethering applications.

|                                         |                                                                                                                                                                                                              |                               |                                                                                       |                                 |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
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## 12 SAR MEASUREMENT VARIABILITY

### 12.1 Measurement Variability

Per FCC KDB Publication 865664 D01v01r04, SAR measurement variability was assessed for each frequency band, which was determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. When both head and body tissue-equivalent media were required for SAR measurements in a frequency band, the variability measurement procedures were applied to the tissue medium with the highest measured SAR, using the highest measured SAR configuration for that tissue-equivalent medium. These additional measurements were repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device was returned to ambient conditions (normal room temperature) with the battery fully charged before it was re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

SAR Measurement Variability was assessed using the following procedures for each frequency band:

- 1) When the original highest measured SAR is  $\geq 0.80$  W/kg, the measurement was repeated once.
- 2) A second repeated measurement was performed only if the ratio of largest to smallest SAR for the original and first repeated measurements was  $> 1.20$  or when the original or repeated measurement was  $\geq 1.45$  W/kg (~ 10% from the 1g SAR limit).
- 3) A third repeated measurement was performed only if the original, first or second repeated measurement was  $\geq 1.5$  W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is  $> 1.20$ .
- 4) Repeated measurements are not required when the original highest measured SAR is  $< 0.80$  W/kg
- 5) When 10g SAR measurement is considered, a factor of 2.5 is applied to the thresholds above.

**Table 12-1**  
**Body SAR Measurement Variability Results**

| BODY VARIABILITY RESULTS                 |           |        |                                                |                                       |        |                      |                   |                       |       |                       |       |                       |       |
|------------------------------------------|-----------|--------|------------------------------------------------|---------------------------------------|--------|----------------------|-------------------|-----------------------|-------|-----------------------|-------|-----------------------|-------|
| Band                                     | FREQUENCY |        | Mode                                           | Service                               | Side   | Spacing              | Measured SAR (1g) | 1st Repeated SAR (1g) | Ratio | 2nd Repeated SAR (1g) | Ratio | 3rd Repeated SAR (1g) | Ratio |
|                                          | MHz       | Ch.    |                                                |                                       |        |                      | (W/kg)            | (W/kg)                |       | (W/kg)                |       | (W/kg)                |       |
| 1750                                     | 1745.00   | 349000 | NR Band n66 (AWS), 40 MHz Bandwidth, Antenna 2 | DFT-S-OFDM QPSK, 108 RB, 54 RB Offset | back   | 10 mm                | 1.150             | 1.140                 | 1.01  | N/A                   | N/A   | N/A                   | N/A   |
| 1900                                     | 1882.50   | 376500 | NR Band n25 (PCS), 40 MHz Bandwidth, Antenna 2 | DFT-S-OFDM QPSK, 1 RB, 108 RB Offset  | bottom | 10 mm                | 1.140             | 1.130                 | 1.01  | N/A                   | N/A   | N/A                   | N/A   |
| 5600                                     | 5500.00   | 100    | 802.11n, 20 MHz Bandwidth                      | OFDM, MIMO                            | back   | 10 mm                | 0.819             | 0.761                 | 1.08  | N/A                   | N/A   | N/A                   | N/A   |
| 5750                                     | 5785.00   | 157    | 802.11n, 20 MHz Bandwidth                      | OFDM, MIMO                            | back   | 10 mm                | 0.855             | 0.830                 | 1.03  | N/A                   | N/A   | N/A                   | N/A   |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |           |        |                                                |                                       |        | Body                 |                   |                       |       |                       |       |                       |       |
| Spatial Peak                             |           |        |                                                |                                       |        | 1.6 W/kg (mW/g)      |                   |                       |       |                       |       |                       |       |
| Uncontrolled Exposure/General Population |           |        |                                                |                                       |        | averaged over 1 gram |                   |                       |       |                       |       |                       |       |

|                                         |                                                                                                                                                                                                              |                               |                                                                                       |                                 |
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**Table 12-2**  
**Phablet SAR Measurement Variability Results**

| PHABLET VARIABILITY RESULTS              |           |        |                                                                          |                                      |        |                        |                    |                        |       |                        |       |                        |       |
|------------------------------------------|-----------|--------|--------------------------------------------------------------------------|--------------------------------------|--------|------------------------|--------------------|------------------------|-------|------------------------|-------|------------------------|-------|
| Band                                     | FREQUENCY |        | Mode                                                                     | Service                              | Side   | Spacing                | Measured SAR (10g) | 1st Repeated SAR (10g) | Ratio | 2nd Repeated SAR (10g) | Ratio | 3rd Repeated SAR (10g) | Ratio |
|                                          | MHz       | Ch.    |                                                                          |                                      |        |                        | (W/kg)             | (W/kg)                 |       | (W/kg)                 |       | (W/kg)                 |       |
| 1750                                     | 1745.00   | 349000 | NR Band n66 (AWS), 40 MHz Bandwidth, Antenna 2, Dual Display Position #3 | DFT-S-OFDM QPSK, 1 RB, 108 RB Offset | front  | 0 mm                   | 3.190              | 3.100                  | 1.03  | N/A                    | N/A   | N/A                    | N/A   |
| 1900                                     | 1880.00   | 600    | PCS CDMA, Dual Display Position #1                                       | EVDO Rev. 0                          | bottom | 0 mm                   | 3.230              | 3.190                  | 1.01  | N/A                    | N/A   | N/A                    | N/A   |
| 2450                                     | 2506.00   | 39750  | LTE Band 41, 20 MHz Bandwidth                                            | QPSK, 50 RB, 0 RB Offset             | bottom | 0 mm                   | 2.420              | 2.410                  | 1.00  | N/A                    | N/A   | N/A                    | N/A   |
| 2600                                     | 2549.50   | 40185  | LTE Band 41, 20 MHz Bandwidth                                            | QPSK, 50 RB, 50 RB Offset            | bottom | 0 mm                   | 2.550              | 2.540                  | 1.00  | N/A                    | N/A   | N/A                    | N/A   |
| ANSI / IEEE C95.1 1992 - SAFETY LIMIT    |           |        |                                                                          |                                      |        | Phablet                |                    |                        |       |                        |       |                        |       |
| Spatial Peak                             |           |        |                                                                          |                                      |        | 4.0 W/kg (mW/g)        |                    |                        |       |                        |       |                        |       |
| Uncontrolled Exposure/General Population |           |        |                                                                          |                                      |        | averaged over 10 grams |                    |                        |       |                        |       |                        |       |

## 12.2 Measurement Uncertainty

The measured SAR was <1.5 W/kg for 1g and <3.75 W/kg for 10g for all frequency bands. Therefore, per KDB Publication 865664 D01v01r04, the extended measurement uncertainty analysis per IEEE 1528-2013 was not required.

|                                                |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset | Page 214 of 227                                                                       |                                        |

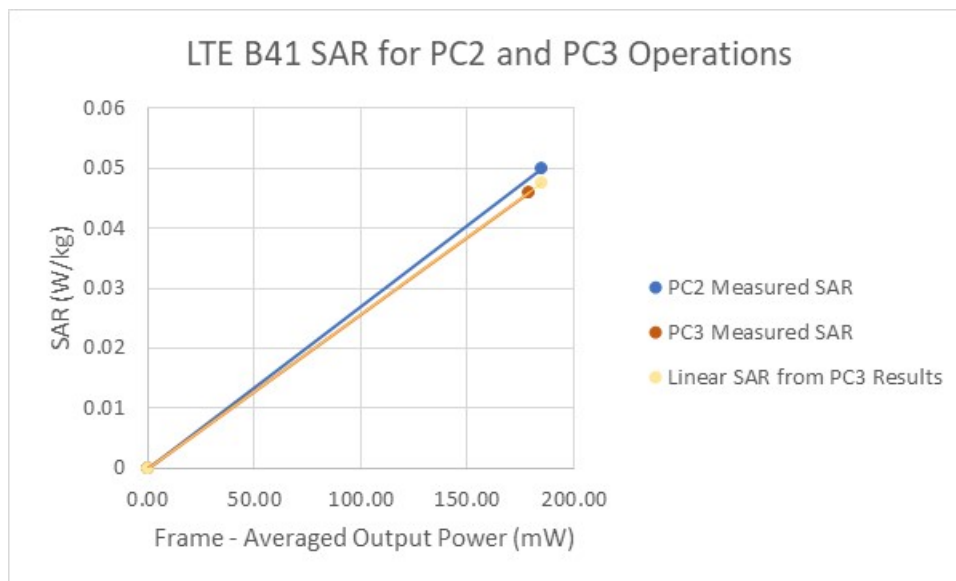
## 13 ADDITIONAL TESTING PER FCC GUIDANCE

### 13.1 LTE Band 41 Power Class 2 and Power Class 3 Linearity

This device supports Power Class 2 and Power Class 3 operations for LTE Band 41. The highest available duty cycle for Power Class 2 operations is 43.3 % using UL-DL configuration 1. Per May 2017 TCB Workshop Notes based on the device behavior, all SAR tests were performed using Power Class 3. SAR with Power Class 2 at the highest power and available duty factor was additionally performed for the Power Class 3 configuration with the highest SAR for each exposure condition. The linearity between the Power Class 2 and Power Class 3 SAR results and the respective frame averaged powers was calculated to determine that the results were linear. When ULCA is active, the linearity between the Power Class 2 with ULCA active and Power Class 3 with ULCA active SAR results and the respective frame averaged powers was calculated to determine that the results were linear. Per May 2017 TCB Workshop, no additional SAR measurements were required since the linearity between power classes was < 10% and all reported SAR values were < 1.4 W/kg for 1g and < 3.5 W/kg for 10g.

**Table 13-1**  
**LTE Band 41 Head Linearity Data – 1 RB, 99 RB Offset Configuration**

|                                     | LTE Band 41 PC3 | LTE Band 41 PC2 |
|-------------------------------------|-----------------|-----------------|
| Maximum Allowed Output Power (dBm)  | 25.2            | 27.7            |
| Measured Output Power (dBm)         | 24.52           | 26.31           |
| Measured SAR (W/kg)                 | 0.046           | 0.05            |
| Measured Power (mW)                 | 283.14          | 427.56          |
| Duty Cycle                          | 63.3%           | 43.3%           |
| Frame Averaged Output Power (mW)    | 179.23          | 185.13          |
| % deviation from expected linearity |                 | 5.23%           |

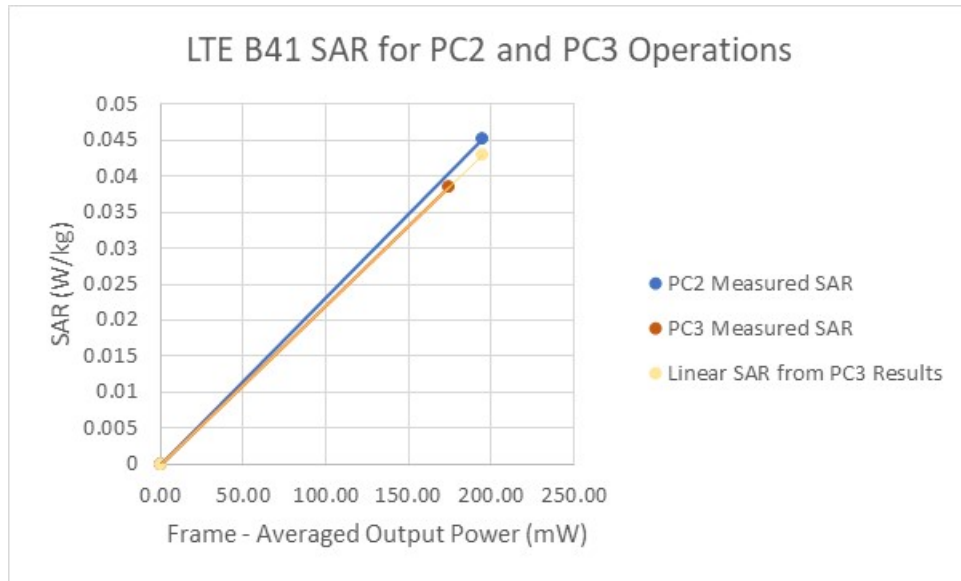


**Figure 13-1**  
**LTE Band 41 Head Linearity**

|                                         |                                                                                                                                                                                                              |                               |                                                                                       |                                 |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
| FCC ID: ZNFG900TM                       |  <b>PCTEST</b><br>Proud to be part of  | SAR EVALUATION REPORT         |  | Approved by:<br>Quality Manager |
| Document S/N:<br>1M2006110090-01-R1.ZNF | Test Dates:<br>07/01/20 - 08/17/20                                                                                                                                                                           | DUT Type:<br>Portable Handset |                                                                                       | Page 215 of 227                 |

**Table 13-2**  
**LTE Band 41 ULCA Head Linearity Data**

|                                     | LTE Band 41 PC3 | LTE Band 41 PC2 |
|-------------------------------------|-----------------|-----------------|
| Maximum Allowed Output Power (dBm)  | 25.2            | 27.7            |
| Measured Output Power (dBm)         | 24.4            | 26.54           |
| Measured SAR (W/kg)                 | 0.038           | 0.045           |
| Measured Power (mW)                 | 275.42          | 450.82          |
| Duty Cycle                          | 63.3%           | 43.3%           |
| Frame Averaged Output Power (mW)    | 174.34          | 195.20          |
| % deviation from expected linearity |                 | 5.36%           |

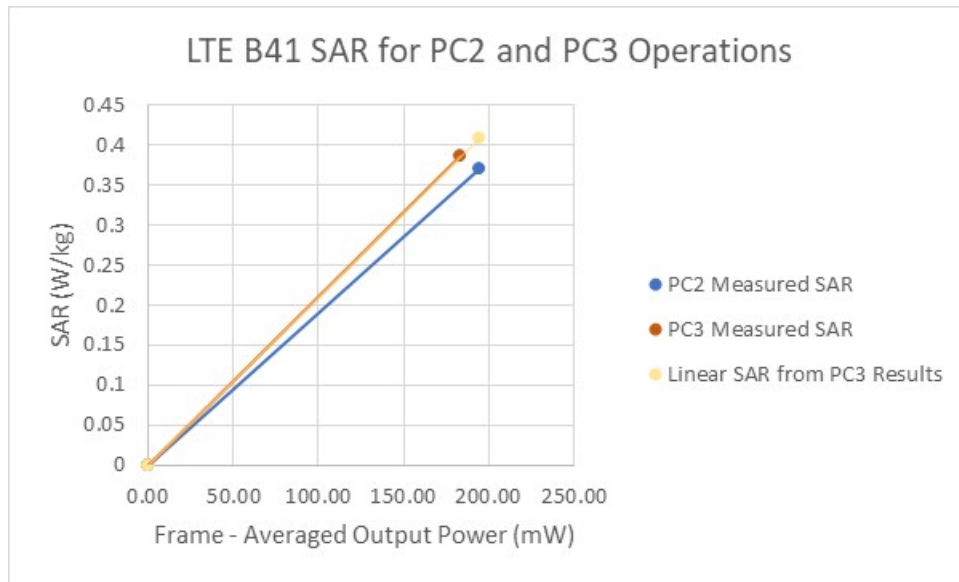


**Figure 13-2**  
**LTE Band 41 ULCA Head Linearity**

|                                                |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset | Page 216 of 227                                                                       |                                        |

**Table 13-3**  
**LTE Band 41 Body-Worn Linearity Data – 1 RB, 50 RB Offset**

|                                     | LTE Band 41 PC3 | LTE Band 41 PC2 |
|-------------------------------------|-----------------|-----------------|
| Maximum Allowed Output Power (dBm)  | 25.2            | 27.7            |
| Measured Output Power (dBm)         | 24.62           | 26.52           |
| Measured SAR (W/kg)                 | 0.386           | 0.37            |
| Measured Power (mW)                 | 289.73          | 448.75          |
| Duty Cycle                          | 63.3%           | 43.3%           |
| Frame Averaged Output Power (mW)    | 183.40          | 194.31          |
| % deviation from expected linearity |                 | -9.52%          |

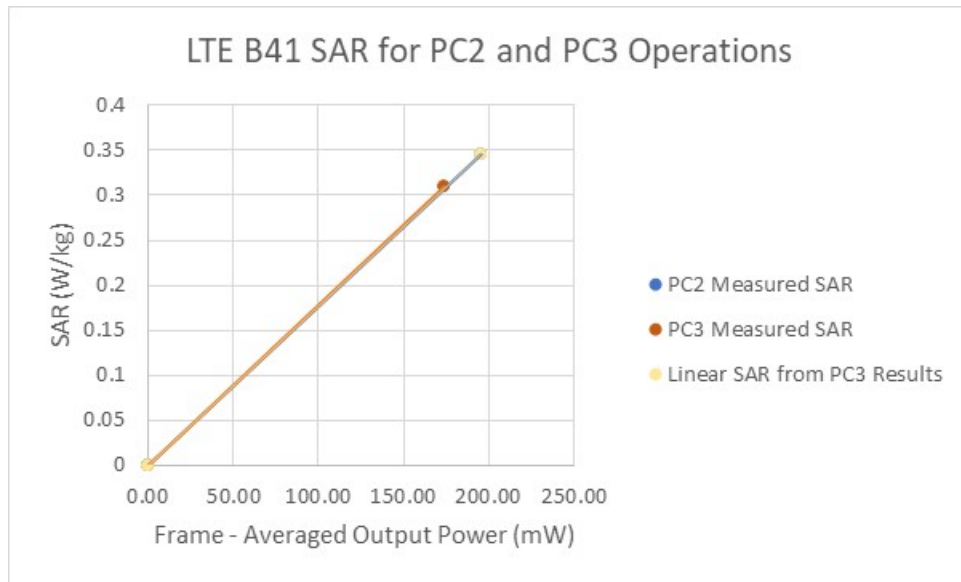


**Figure 13-3**  
**LTE Band 41 Body-Worn Linearity**

|                                                |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset | Page 217 of 227                                                                       |                                        |

**Table 13-4**  
**LTE Band 41 ULCA Body-Worn Linearity Data**

|                                     | LTE Band 41 PC3 | LTE Band 41 PC2 |
|-------------------------------------|-----------------|-----------------|
| Maximum Allowed Output Power (dBm)  | 25.2            | 27.7            |
| Measured Output Power (dBm)         | 24.4            | 26.54           |
| Measured SAR (W/kg)                 | 0.309           | 0.345           |
| Measured Power (mW)                 | 275.42          | 450.82          |
| Duty Cycle                          | 63.3%           | 43.3%           |
| Frame Averaged Output Power (mW)    | 174.34          | 195.20          |
| % deviation from expected linearity |                 | -0.28%          |

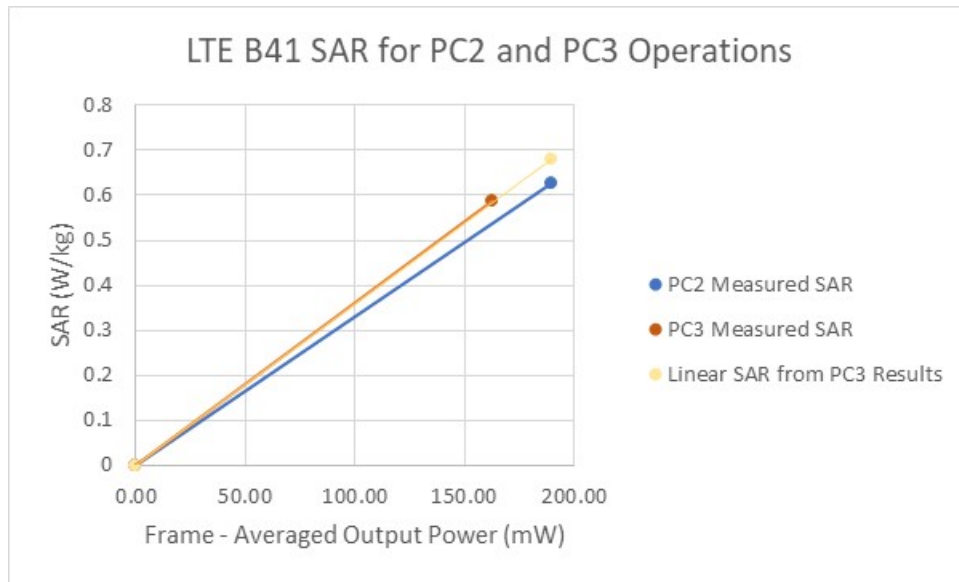


**Figure 13-4**  
**LTE Band 41 ULCA Body-Worn Linearity**

|                                                |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset | Page 218 of 227                                                                       |                                        |

**Table 13-5**  
**LTE Band 41 Hotspot Linearity Data – 1 RB, 99 RB Offset**

|                                     | LTE Band 41 PC3 | LTE Band 41 PC2 |
|-------------------------------------|-----------------|-----------------|
| Maximum Allowed Output Power (dBm)  | 24.2            | 26.7            |
| Measured Output Power (dBm)         | 24.11           | 26.41           |
| Measured SAR (W/kg)                 | 0.587           | 0.628           |
| Measured Power (mW)                 | 257.63          | 437.52          |
| Duty Cycle                          | 63.3%           | 43.3%           |
| Frame Averaged Output Power (mW)    | 163.08          | 189.45          |
| % deviation from expected linearity |                 | -7.90%          |

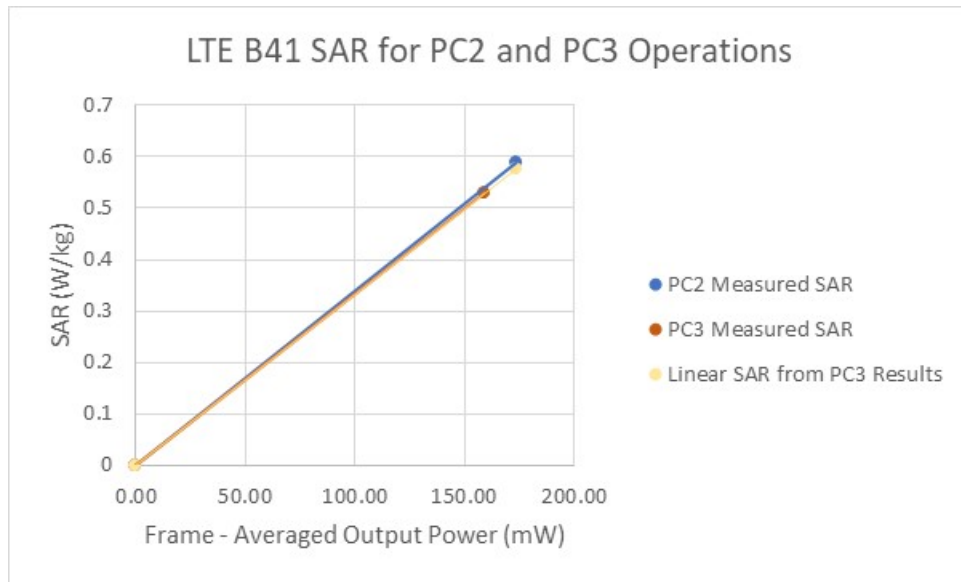


**Figure 13-5**  
**LTE Band 41 Hotspot Linearity**

|                                                |                                                                                                                                                                                                |                                      |                                                                                       |                                        |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              | <br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                      | <b>DUT Type:</b><br>Portable Handset | Page 219 of 227                                                                       |                                        |

**Table 13-6**  
**LTE Band 41 ULCA Hotspot Linearity Data**

|                                     | LTE Band 41 PC3 | LTE Band 41 PC2 |
|-------------------------------------|-----------------|-----------------|
| Maximum Allowed Output Power (dBm)  | 24.2            | 26.7            |
| Measured Output Power (dBm)         | 24              | 26.03           |
| Measured SAR (W/kg)                 | 0.529           | 0.589           |
| Measured Power (mW)                 | 251.19          | 400.87          |
| Duty Cycle                          | 63.3%           | 43.3%           |
| Frame Averaged Output Power (mW)    | 159.00          | 173.58          |
| % deviation from expected linearity |                 | 1.99%           |



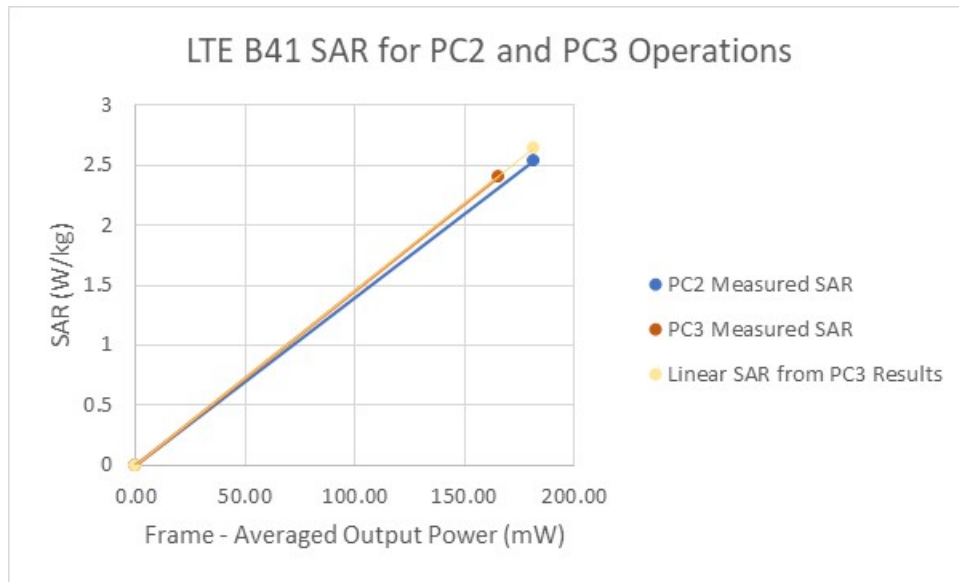
**Figure 13-6**  
**LTE Band 41 ULCA Hotspot Linearity**

|                                                |                                                                                                                                                                                                |                                      |                                                                                       |                                        |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              | <br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                      | <b>DUT Type:</b><br>Portable Handset | Page 220 of 227                                                                       |                                        |



**Table 13-7**  
**LTE Band 41 Phablet Linearity Data**

|                                     | LTE Band 41 PC3 | LTE Band 41 PC2 |
|-------------------------------------|-----------------|-----------------|
| Maximum Allowed Output Power (dBm)  | 24.2            | 26.7            |
| Measured Output Power (dBm)         | 24.18           | 26.23           |
| Measured SAR (W/kg)                 | 2.41            | 2.54            |
| Measured Power (mW)                 | 261.82          | 419.76          |
| Duty Cycle                          | 63.3%           | 43.3%           |
| Frame Averaged Output Power (mW)    | 165.73          | 181.76          |
| % deviation from expected linearity |                 | -3.90%          |

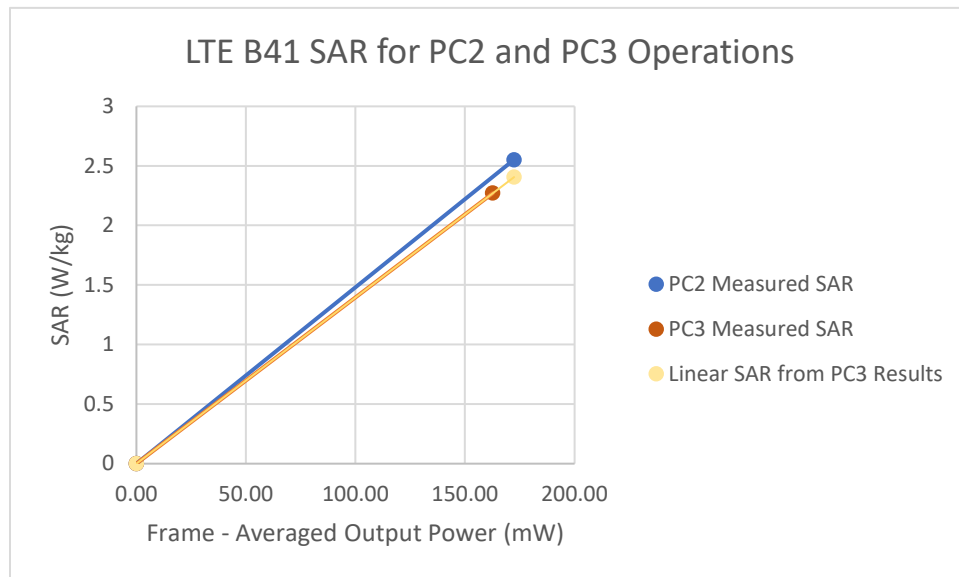


**Figure 13-7**  
**LTE Band 41 Phablet Linearity**

|                                                |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              |  <b>PCTEST</b><br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                                    | <b>DUT Type:</b><br>Portable Handset | Page 221 of 227                                                                       |                                        |

**Table 13-8**  
**LTE Band 41 ULCA Phablet Linearity Data**

|                                     | LTE Band 41 PC3 | LTE Band 41 PC2 |
|-------------------------------------|-----------------|-----------------|
| Maximum Allowed Output Power (dBm)  | 24.2            | 26.7            |
| Measured Output Power (dBm)         | 24.10           | 26.00           |
| Measured SAR (W/kg)                 | 2.27            | 2.55            |
| Measured Power (mW)                 | 257.04          | 398.11          |
| Duty Cycle                          | 63.3%           | 43.3%           |
| Frame Averaged Output Power (mW)    | 162.71          | 172.38          |
| % deviation from expected linearity |                 | 6.03%           |



**Figure 13-8**  
**LTE ULCA Phablet Linearity**

|                                                |                                                                                                                                                                                                |                                      |                                                                                       |                                        |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|
| FCC ID: ZNFG900TM                              | <br>Proud to be part of  | <b>SAR EVALUATION REPORT</b>         |  | <b>Approved by:</b><br>Quality Manager |
| <b>Document S/N:</b><br>1M2006110090-01-R1.ZNF | <b>Test Dates:</b><br>07/01/20 - 08/17/20                                                                                                                                                      | <b>DUT Type:</b><br>Portable Handset | Page 222 of 227                                                                       |                                        |

# 14 EQUIPMENT LIST

| Manufacturer          | Model     | Description                                   | Cal Date   | Cal Interval | Cal Due    | Serial Number |
|-----------------------|-----------|-----------------------------------------------|------------|--------------|------------|---------------|
| Agilent               | 8594A     | (9kHz-2.9GHz) Spectrum Analyzer               | N/A        | N/A          | N/A        | 3051A00187    |
| Agilent               | E4438C    | ESG Vector Signal Generator                   | 9/13/2019  | Annual       | 9/13/2020  | MY42081752    |
| Agilent               | E4438C    | ESG Vector Signal Generator                   | 3/8/2019   | Biennial     | 3/8/2021   | MY42082385    |
| Agilent               | N5182A    | MXG Vector Signal Generator                   | 5/13/2020  | Annual       | 5/13/2021  | MY420603      |
| Agilent               | 8753ES    | Network Analyzer                              | 3/5/2020   | Annual       | 3/5/2021   | MY40001472    |
| Agilent               | 8753ES    | S-Parameter Network Analyzer                  | 8/26/2019  | Annual       | 8/26/2020  | MY40000670    |
| Agilent               | 8753ES    | S-Parameter Vector Network Analyzer           | 9/19/2019  | Annual       | 9/19/2020  | MY40003841    |
| Agilent               | E5515C    | Wireless Communications Test Set              | 9/25/2019  | Annual       | 9/25/2020  | GB43304278    |
| Agilent               | E5515C    | Wireless Communications Test Set              | 1/14/2020  | Triennial    | 1/14/2023  | GB43304447    |
| Agilent               | N4010A    | Wireless Connectivity Test Set                | N/A        | N/A          | N/A        | GB44450273    |
| Amplifier Research    | 1551G6    | Amplifier                                     | CBT        | N/A          | CBT        | 343971        |
| Amplifier Research    | 1551G6    | Amplifier                                     | CBT        | N/A          | CBT        | 343972        |
| Amplifier Research    | 150A100C  | Amplifier                                     | CBT        | N/A          | CBT        | 350132        |
| Anritsu               | ML2495A   | Power Meter                                   | 12/17/2019 | Annual       | 12/17/2020 | 941001        |
| Anritsu               | MA2495A   | Power Meter                                   | 11/15/2019 | Annual       | 11/15/2020 | 1038008       |
| Anritsu               | MA2411B   | Pulse Power Sensor                            | 1/21/2020  | Annual       | 1/21/2021  | 1202470       |
| Anritsu               | MA2411B   | Pulse Power Sensor                            | 1/21/2020  | Annual       | 1/21/2021  | 1339007       |
| Anritsu               | MT8821C   | Radio Communication Analyzer                  | 3/10/2020  | Annual       | 3/10/2021  | 620901190     |
| Anritsu               | MT8821C   | Radio Communication Analyzer                  | 8/16/2019  | Annual       | 8/16/2020  | 6201144418    |
| Anritsu               | MA24106A  | USB Power Sensor                              | 2/27/2020  | Annual       | 2/27/2021  | 1244524       |
| Anritsu               | MA24106A  | USB Power Sensor                              | 10/10/2019 | Annual       | 10/10/2020 | 1344545       |
| Control Company       | 4352      | Long Stem Thermometer                         | 6/26/2019  | Biennial     | 6/26/2021  | 192282739     |
| Control Company       | 4352      | Long Stem Thermometer                         | 6/26/2019  | Biennial     | 6/26/2021  | 192282744     |
| Control Company       | 4040      | Therm./ Clock/ Humidity Monitor               | 10/9/2018  | Biennial     | 10/9/2020  | 181647802     |
| Control Company       | 4040      | Therm./ Clock/ Humidity Monitor               | 10/9/2018  | Biennial     | 10/9/2020  | 181647811     |
| Control Company       | 4352      | Ultra Long Stem Thermometer                   | 11/29/2018 | Biennial     | 11/29/2020 | 181766777     |
| Control Company       | 4352      | Ultra Long Stem Thermometer                   | 11/29/2018 | Biennial     | 11/29/2020 | 181766801     |
| Keysight              | 7720      | Dual Directional Coupler                      | CBT        | N/A          | CBT        | MY52180215    |
| Keysight              | E4438C    | VECTOR SIGNAL GENERATOR                       | 6/21/2020  | Annual       | 6/21/2021  | MY459303181   |
| Keysight Technologies | N9020A    | MXA Signal Analyzer                           | 12/19/2019 | Annual       | 12/19/2020 | MY48010233    |
| Keysight Technologies | N6705B    | DC Power Supply                               | 4/27/2019  | Biennial     | 4/27/2021  | MY5304069     |
| Keysight Technologies | AT/N6705B | DC Power Supply                               | N/A        | N/A          | N/A        | MY53001315    |
| MCL                   | BW-N6W5+  | 6dB Attenuator                                | CBT        | N/A          | CBT        | 1139          |
| MiniCircuits          | VLF-6000+ | Low Pass Filter                               | CBT        | N/A          | CBT        | N/A           |
| MiniCircuits          | SLP-2400+ | Low Pass Filter                               | CBT        | N/A          | CBT        | R897590093    |
| Mini-Circuits         | BW-N20W5+ | DC to 18 GHz Precision Fixed 20 dB Attenuator | CBT        | N/A          | CBT        | N/A           |
| Mini-Circuits         | NLP-1200+ | Low Pass Filter DC to 1000 MHz                | CBT        | N/A          | CBT        | N/A           |
| Mini-Circuits         | NLP-2950+ | Low Pass Filter DC to 2700 MHz                | CBT        | N/A          | CBT        | N/A           |
| Mini-Circuits         | BW-N20W5  | Power Attenuator                              | CBT        | N/A          | CBT        | 1226          |
| Narda                 | 4014C-6   | 4 - 8 GHz SMA 5 dB Directional Coupler        | CBT        | N/A          | CBT        | N/A           |
| Narda                 | BW-53W2   | Attenuator (3dB)                              | CBT        | N/A          | CBT        | 120           |
| Narda                 | 4772-3    | Attenuator (3dB)                              | CBT        | N/A          | CBT        | 9406          |
| Pattermark            | PE2208-6  | Bidirectional Coupler                         | CBT        | N/A          | CBT        | N/A           |
| Pattermark            | PE2209-10 | Bidirectional Coupler                         | CBT        | N/A          | CBT        | N/A           |
| Pattermark            | NC-100    | Torque Wrench                                 | 8/4/2020   | Biennial     | 8/4/2022   | 1445          |
| Rohde & Schwarz       | CMW500    | Radio Communication Tester                    | 10/15/2019 | Annual       | 10/15/2020 | 109366        |
| Rohde & Schwarz       | CMW500    | Radio Communication Tester                    | 3/27/2020  | Annual       | 3/27/2021  | 128633        |
| Rohde & Schwarz       | ZNLE6     | Vector Network Analyzer                       | 10/11/2019 | Annual       | 10/11/2020 | 101307        |
| Rohde & Schwarz       | CMW500    | Wideband Radio Communication Tester           | 6/23/2020  | Annual       | 6/23/2021  | 161662        |
| Rohde & Schwarz       | CMW500    | Wideband Radio Communication Tester           | 2/4/2020   | Annual       | 2/4/2021   | 162125        |
| Rohde & Schwarz       | CMW500    | Wideband Radio Communication Tester           | 11/14/2019 | Annual       | 11/14/2020 | 164948        |
| Seekonk               | NC-100    | Torque Wrench                                 | 8/5/2020   | Biennial     | 8/5/2022   | N/A           |
| SPEAG                 | D750V3    | 750 MHz SAR Dipole                            | 3/11/2020  | Annual       | 3/11/2021  | 1054          |
| SPEAG                 | D750V3    | 750 MHz SAR Dipole                            | 3/16/2020  | Annual       | 3/16/2021  | 1003          |
| SPEAG                 | D835V2    | 835 MHz SAR Dipole                            | 1/13/2020  | Annual       | 1/13/2021  | 4d132         |
| SPEAG                 | D835V2    | 835 MHz SAR Dipole                            | 10/19/2018 | Biennial     | 10/19/2020 | 4d133         |
| SPEAG                 | D1750V2   | 1750 MHz SAR Dipole                           | 5/12/2020  | Annual       | 5/12/2021  | 1148          |
| SPEAG                 | D1750V2   | 1750 MHz SAR Dipole                           | 10/22/2018 | Biennial     | 10/22/2020 | 1150          |
| SPEAG                 | D1900V2   | 1900 MHz SAR Dipole                           | 10/23/2018 | Biennial     | 10/23/2020 | 5d180         |
| SPEAG                 | D1900V2   | 1900 MHz SAR Dipole                           | 2/21/2019  | Biennial     | 2/21/2021  | 5d148         |
| SPEAG                 | D1900V2   | 1900 MHz SAR Dipole                           | 10/23/2018 | Biennial     | 10/23/2020 | 5d149         |
| SPEAG                 | D2450V2   | 2450 MHz SAR Dipole                           | 9/11/2017  | Triennial    | 9/11/2020  | 797           |
| SPEAG                 | D2450V2   | 2450 MHz SAR Dipole                           | 2/10/2020  | Annual       | 2/10/2021  | 882           |
| SPEAG                 | D2450V2   | 2450 MHz SAR Dipole                           | 8/16/2018  | Biennial     | 8/16/2020  | 981           |
| SPEAG                 | D2600V2   | 2600 MHz SAR Dipole                           | 4/11/2018  | Triennial    | 4/11/2021  | 1004          |
| SPEAG                 | D2600V2   | 2600 MHz SAR Dipole                           | 6/14/2019  | Biennial     | 6/14/2021  | 1064          |
| SPEAG                 | D5GHzV2   | 5 GHz SAR Dipole                              | 1/16/2018  | Triennial    | 1/16/2021  | 1057          |
| SPEAG                 | D5GHzV2   | 5 GHz SAR Dipole                              | 8/10/2018  | Biennial     | 8/10/2020  | 1237          |
| SPEAG                 | DAE4      | Dasy Data Acquisition Electronics             | 5/20/2020  | Annual       | 5/20/2021  | 728           |
| SPEAG                 | DAE4      | Dasy Data Acquisition Electronics             | 7/11/2019  | Annual       | 7/11/2020  | 1322          |
| SPEAG                 | DAE4      | Dasy Data Acquisition Electronics             | 7/15/2020  | Annual       | 7/15/2021  | 1323          |
| SPEAG                 | DAE4      | Dasy Data Acquisition Electronics             | 9/17/2019  | Annual       | 9/17/2020  | 1333          |
| SPEAG                 | DAE4      | Dasy Data Acquisition Electronics             | 6/18/2020  | Annual       | 6/18/2021  | 1334          |
| SPEAG                 | DAE4      | Dasy Data Acquisition Electronics             | 4/15/2020  | Annual       | 4/15/2021  | 1407          |
| SPEAG                 | DAE4      | Dasy Data Acquisition Electronics             | 9/12/2019  | Annual       | 9/12/2020  | 1449          |
| SPEAG                 | DAE4      | Dasy Data Acquisition Electronics             | 11/13/2019 | Annual       | 11/13/2020 | 1466          |
| SPEAG                 | DAE4      | Dasy Data Acquisition Electronics             | 1/13/2020  | Annual       | 1/13/2021  | 1530          |
| SPEAG                 | DAE4      | Dasy Data Acquisition Electronics             | 12/5/2019  | Annual       | 12/5/2020  | 1533          |
| SPEAG                 | DAE4      | Dasy Data Acquisition Electronics             | 1/13/2020  | Annual       | 1/13/2021  | 1558          |
| SPEAG                 | DAE4      | Dasy Data Acquisition Electronics             | 5/14/2020  | Annual       | 5/14/2021  | 1583          |
| SPEAG                 | DAK-3.5   | Dielectric Assessment Kit                     | 5/12/2020  | Annual       | 5/12/2021  | 1070          |
| SPEAG                 | EX3DV4    | SAR Probe                                     | 1/21/2020  | Annual       | 1/21/2021  | 3589          |
| SPEAG                 | EX3DV4    | SAR Probe                                     | 4/21/2020  | Annual       | 4/21/2021  | 7357          |
| SPEAG                 | EX3DV4    | SAR Probe                                     | 6/23/2020  | Annual       | 6/23/2021  | 7406          |
| SPEAG                 | EX3DV4    | SAR Probe                                     | 6/23/2020  | Annual       | 6/23/2021  | 7409          |
| SPEAG                 | EX3DV4    | SAR Probe                                     | 7/20/2020  | Annual       | 7/20/2021  | 7410          |
| SPEAG                 | EX3DV4    | SAR Probe                                     | 1/21/2020  | Annual       | 1/21/2021  | 7488          |
| SPEAG                 | EX3DV4    | SAR Probe                                     | 5/18/2020  | Annual       | 5/18/2021  | 7538          |
| SPEAG                 | EX3DV4    | SAR Probe                                     | 9/19/2019  | Annual       | 9/19/2020  | 7551          |
| SPEAG                 | EX3DV4    | SAR Probe                                     | 9/19/2019  | Annual       | 9/19/2020  | 7552          |
| SPEAG                 | EX3DV4    | SAR Probe                                     | 11/15/2019 | Annual       | 11/15/2020 | 7565          |
| SPEAG                 | EX3DV4    | SAR Probe                                     | 12/11/2019 | Annual       | 12/11/2020 | 7571          |

Note: Equipment was solely used during its calibration period

Note: CBT (Calibrated Before Testing). Prior to testing, the measurement paths containing a cable, amplifier, attenuator, coupler or filter were connected to a calibrated source (i.e. a signal generator) to determine the losses of the measurement path. The power meter offset was then adjusted to compensate for the measurement system losses. This level offset is stored within the power meter before measurements are made. This calibration verification procedure applies to the system verification and output power measurements. The calibrated reading is then taken directly from the power meter after compensation of the losses for all final power measurements.

|                                         |                                                                                     |                               |                                                                                       |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|---------------------------------|
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# 15 MEASUREMENT UNCERTAINTIES

| a                                                                             | c             | d              | e=<br>f(d,k) | f                     | g                        | h =<br>c x f/e                 | i =<br>c x g/e                   | k              |
|-------------------------------------------------------------------------------|---------------|----------------|--------------|-----------------------|--------------------------|--------------------------------|----------------------------------|----------------|
| Uncertainty Component                                                         | Tol.<br>(± %) | Prob.<br>Dist. | Div.         | c <sub>i</sub><br>1gm | c <sub>i</sub><br>10 gms | 1gm<br>u <sub>i</sub><br>(± %) | 10gms<br>u <sub>i</sub><br>(± %) | v <sub>i</sub> |
| <b>Measurement System</b>                                                     |               |                |              |                       |                          |                                |                                  |                |
| Probe Calibration                                                             | 6.55          | N              | 1            | 1.0                   | 1.0                      | 6.6                            | 6.6                              | ∞              |
| Axial Isotropy                                                                | 0.25          | N              | 1            | 0.7                   | 0.7                      | 0.2                            | 0.2                              | ∞              |
| Hemishperical Isotropy                                                        | 1.3           | N              | 1            | 0.7                   | 0.7                      | 0.9                            | 0.9                              | ∞              |
| Boundary Effect                                                               | 2.0           | R              | 1.73         | 1.0                   | 1.0                      | 1.2                            | 1.2                              | ∞              |
| Linearity                                                                     | 0.3           | N              | 1            | 1.0                   | 1.0                      | 0.3                            | 0.3                              | ∞              |
| System Detection Limits                                                       | 0.25          | R              | 1.73         | 1.0                   | 1.0                      | 0.1                            | 0.1                              | ∞              |
| Readout Electronics                                                           | 0.3           | N              | 1            | 1.0                   | 1.0                      | 0.3                            | 0.3                              | ∞              |
| Response Time                                                                 | 0.8           | R              | 1.73         | 1.0                   | 1.0                      | 0.5                            | 0.5                              | ∞              |
| Integration Time                                                              | 2.6           | R              | 1.73         | 1.0                   | 1.0                      | 1.5                            | 1.5                              | ∞              |
| RF Ambient Conditions - Noise                                                 | 3.0           | R              | 1.73         | 1.0                   | 1.0                      | 1.7                            | 1.7                              | ∞              |
| RF Ambient Conditions - Reflections                                           | 3.0           | R              | 1.73         | 1.0                   | 1.0                      | 1.7                            | 1.7                              | ∞              |
| Probe Positioner Mechanical Tolerance                                         | 0.4           | R              | 1.73         | 1.0                   | 1.0                      | 0.2                            | 0.2                              | ∞              |
| Probe Positioning w/ respect to Phantom                                       | 6.7           | R              | 1.73         | 1.0                   | 1.0                      | 3.9                            | 3.9                              | ∞              |
| Extrapolation, Interpolation & Integration algorithms for Max. SAR Evaluation | 4.0           | R              | 1.73         | 1.0                   | 1.0                      | 2.3                            | 2.3                              | ∞              |
| <b>Test Sample Related</b>                                                    |               |                |              |                       |                          |                                |                                  |                |
| Test Sample Positioning                                                       | 2.7           | N              | 1            | 1.0                   | 1.0                      | 2.7                            | 2.7                              | 35             |
| Device Holder Uncertainty                                                     | 1.67          | N              | 1            | 1.0                   | 1.0                      | 1.7                            | 1.7                              | 5              |
| Output Power Variation - SAR drift measurement                                | 5.0           | R              | 1.73         | 1.0                   | 1.0                      | 2.9                            | 2.9                              | ∞              |
| SAR Scaling                                                                   | 0.0           | R              | 1.73         | 1.0                   | 1.0                      | 0.0                            | 0.0                              | ∞              |
| <b>Phantom &amp; Tissue Parameters</b>                                        |               |                |              |                       |                          |                                |                                  |                |
| Phantom Uncertainty (Shape & Thickness tolerances)                            | 7.6           | R              | 1.73         | 1.0                   | 1.0                      | 4.4                            | 4.4                              | ∞              |
| Liquid Conductivity - measurement uncertainty                                 | 4.2           | N              | 1            | 0.78                  | 0.71                     | 3.3                            | 3.0                              | 10             |
| Liquid Permittivity - measurement uncertainty                                 | 4.1           | N              | 1            | 0.23                  | 0.26                     | 1.0                            | 1.1                              | 10             |
| Liquid Conductivity - Temperature Uncertainty                                 | 3.4           | R              | 1.73         | 0.78                  | 0.71                     | 1.5                            | 1.4                              | ∞              |
| Liquid Permittivity - Temperature Uncertainty                                 | 0.6           | R              | 1.73         | 0.23                  | 0.26                     | 0.1                            | 0.1                              | ∞              |
| Liquid Conductivity - deviation from target values                            | 5.0           | R              | 1.73         | 0.64                  | 0.43                     | 1.8                            | 1.2                              | ∞              |
| Liquid Permittivity - deviation from target values                            | 5.0           | R              | 1.73         | 0.60                  | 0.49                     | 1.7                            | 1.4                              | ∞              |
| <b>Combined Standard Uncertainty (k=1)</b>                                    | RSS           |                |              |                       |                          | 11.5                           | 11.3                             | 60             |
| <b>Expanded Uncertainty</b><br>(95% CONFIDENCE LEVEL)                         | k=2           |                |              |                       |                          | 23.0                           | 22.6                             |                |

|                                                |                                                                                                                                                                                                              |                                      |                                                                                       |                                        |
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## 16 CONCLUSION

### 16.1 Measurement Conclusion

The SAR evaluation indicates that the EUT complies with the RF radiation exposure limits of the FCC and Innovation, Science, and Economic Development Canada, with respect to all parameters subject to this test. These measurements were taken to simulate the RF effects of RF exposure under worst-case conditions. Precise laboratory measures were taken to assure repeatability of the tests. The results and statements relate only to the item(s) tested.

Please note that the absorption and distribution of electromagnetic energy in the body are very complex phenomena that depend on the mass, shape, and size of the body, the orientation of the body with respect to the field vectors, and the electrical properties of both the body and the environment. Other variables that may play a substantial role in possible biological effects are those that characterize the environment (e.g. ambient temperature, air velocity, relative humidity, and body insulation) and those that characterize the individual (e.g. age, gender, activity level, debilitation, or disease). Because various factors may interact with one another to vary the specific biological outcome of an exposure to electromagnetic fields, any protection guide should consider maximal amplification of biological effects as a result of field-body interactions, environmental conditions, and physiological variables. [3]

|                                         |                                                                                                                                                                                                              |                               |                                                                                                 |                                 |
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