



# FCC RADIO TEST REPORT

**FCC ID** : 2AXZJ-CTX0700  
**Equipment** : Telematics Control Unit  
**Brand Name** : Lucid USA, Inc  
**Model Name** : P11-K29000  
**Applicant** : Lucid USA, Inc  
Lucid Motors, Inc 7373 Gateway Blvd,  
Newark, California, United States, 94560  
**Manufacturer** : Lucid USA, Inc  
Lucid Motors, Inc 7373 Gateway Blvd,  
Newark, California, United States, 94560  
**Standard** : 47 CFR Part 22(H), 24(E), 27, 90

The product was received on Sep. 08, 2020, and testing was started from Sep. 08, 2020 and completed on Oct. 01, 2020. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI/TIA-603-E-2016 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Approved by: Allen Lin

**SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory**

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)

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## History of this test report

| Report No. | Version | Description                                                                                                                                                      | Issued Date   |
|------------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| FG000705   | 01      | Initial issue of report                                                                                                                                          | Nov. 25, 2020 |
| FG000705   | 02      | 1. Revise Antenna Information<br>2. Revise Appendix A.1_Average Power<br>(This report is the latest version replacing<br>for the report issued on Nov. 25, 2020) | Nov. 26, 2020 |
| FG000705   | 03      | Update Equipment and Model name<br>(This report is the latest version replacing<br>for the report issued on Nov. 26, 2020)                                       | Dec. 16, 2020 |
|            |         |                                                                                                                                                                  |               |
|            |         |                                                                                                                                                                  |               |
|            |         |                                                                                                                                                                  |               |
|            |         |                                                                                                                                                                  |               |
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|            |         |                                                                                                                                                                  |               |
|            |         |                                                                                                                                                                  |               |
|            |         |                                                                                                                                                                  |               |
|            |         |                                                                                                                                                                  |               |
|            |         |                                                                                                                                                                  |               |
|            |         |                                                                                                                                                                  |               |

## Summary of Test Result

| Report Clause | Ref Std. Clause                                                                        | Test Items                                    | Result (PASS/FAIL) | Remark |
|---------------|----------------------------------------------------------------------------------------|-----------------------------------------------|--------------------|--------|
| 3.1           | 2.1046                                                                                 | Conducted Output Power                        | PASS               | -      |
|               | 22.913(a)(5)<br>27.50(c)(1)(9)<br>27.50(b)(4)(9)                                       | Effective Radiated Power                      | PASS               | -      |
|               | 24.232(a)<br>27.50(d)(2)<br>27.50(d)(4)<br>27.50(h)(2)                                 | Equivalent Isotropic Radiated Power           |                    |        |
| 3.2           | 22.913(d)<br>24.232(d)<br>27.50(d)(5)                                                  | Peak-to-Average Ratio                         | PASS               | -      |
| 3.3           | 2.1049                                                                                 | Occupied Bandwidth                            | PASS               | -      |
| 3.4           | 2.1051<br>22.917(a)<br>24.238(a)<br>27.53(h)<br>27.53(g)<br>27.53(c)<br>27.53(m)(4)    | Conducted Band Edge                           | PASS               | -      |
| 3.5           | 2.1051<br>22.917(a)<br>24.238(a)<br>27.53(h)<br>27.53(g)<br>27.53(c)<br>27.53(m)(4)    | Conducted Spurious Emission                   | PASS               | -      |
| 3.6           | 2.1053<br>22.917(a)<br>24.238(a)<br>27.53(h)<br>27.53(g)<br>27.53(c)(f)<br>27.53(m)(4) | Radiated Spurious Emission                    | PASS               | -      |
| 3.7           | 2.1055<br>22.355<br>24.235<br>27.54                                                    | Frequency Stability for Temperature & Voltage | PASS               | -      |

**Declaration of Conformity:**

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

**Comments and Explanations:**

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

**Reviewed by: Sam Tsai**

**Report Producer: Ann Hou**



# 1 General Description

## 1.1 Information

### 1.1.1 RF General Information

| Items               | Description                                                                                                                 |                 |                    |                    |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------|--------------------|
|                     | Band                                                                                                                        | Bandwidth (MHz) | TX Frequency (MHz) | RX Frequency (MHz) |
| Operating Frequency | <input checked="" type="checkbox"/> GSM 850                                                                                 | 0.2             | 824.2 – 849.2      | 869.2 – 894.2      |
|                     | <input checked="" type="checkbox"/> PCS 1900                                                                                | 0.2             | 1850.2 - 1909.8    | 1930.2 - 1989.8    |
|                     | <input checked="" type="checkbox"/> WCDMA Band V                                                                            | 5               | 826.4 - 846.6      | 871.4 - 891.6      |
|                     | <input checked="" type="checkbox"/> WCDMA Band II                                                                           | 5               | 1852.4 - 1907.6    | 1932.4 - 1987.6    |
|                     | <input checked="" type="checkbox"/> WCDMA Band IV                                                                           | 5               | 1712.4 - 1752.6    | 2112.4 - 2152.6    |
|                     | <input checked="" type="checkbox"/> LTE Band 5                                                                              | 1.4             | 824.7 - 848.3      | 869.7 - 893.3      |
|                     |                                                                                                                             | 3               | 825.5 - 847.5      | 870.5 - 892.5      |
|                     |                                                                                                                             | 5               | 826.5 - 846.5      | 871.5 - 891.5      |
|                     |                                                                                                                             | 10              | 829.0 - 844.0      | 874.0 - 889.0      |
|                     | <input checked="" type="checkbox"/> LTE Band 2                                                                              | 1.4             | 1850.7 - 1909.3    | 1930.7 - 1989.3    |
|                     |                                                                                                                             | 3               | 1851.5 - 1908.5    | 1931.5 - 1988.5    |
|                     |                                                                                                                             | 5               | 1852.5 - 1907.5    | 1932.5 - 1987.5    |
|                     |                                                                                                                             | 10              | 1855.0 - 1905.0    | 1935.0 - 1985.0    |
|                     |                                                                                                                             | 15              | 1857.5 - 1902.5    | 1937.5 - 1982.5    |
|                     |                                                                                                                             | 20              | 1860.0 - 1900.0    | 1940.0 - 1980.0    |
|                     | <input checked="" type="checkbox"/> LTE Band 4                                                                              | 1.4             | 1710.7 - 1754.3    | 2110.7 - 2154.3    |
|                     |                                                                                                                             | 3               | 1711.5 - 1753.5    | 2111.5 - 2153.5    |
|                     |                                                                                                                             | 5               | 1712.5 - 1752.5    | 2112.5 - 2152.5    |
|                     |                                                                                                                             | 10              | 1715.0 - 1750.0    | 2115.0 - 2150.0    |
|                     |                                                                                                                             | 15              | 1717.5 - 1747.5    | 2117.5 - 2147.5    |
|                     |                                                                                                                             | 20              | 1720.0 - 1745.0    | 2120.0 - 2145.0    |
|                     | <input checked="" type="checkbox"/> LTE Band 7                                                                              | 5               | 2502.5 – 2567.5    | 2622.5 – 2687.5    |
|                     |                                                                                                                             | 10              | 2505 – 2565        | 2625 – 2685        |
|                     |                                                                                                                             | 15              | 2507.5 – 2562.5    | 2627.5 – 2682.5    |
|                     |                                                                                                                             | 20              | 2510 - 2560        | 2630 - 2680        |
|                     | <input checked="" type="checkbox"/> LTE Band 12                                                                             | 1.4             | 699.7 - 715.3      | 729.7 - 745.3      |
|                     |                                                                                                                             | 3               | 700.5 - 714.5      | 730.5 - 744.5      |
|                     |                                                                                                                             | 5               | 701.5 - 713.5      | 731.5 - 743.5      |
|                     |                                                                                                                             | 10              | 704.0 - 711.0      | 734.0 - 741.0      |
|                     | <input checked="" type="checkbox"/> LTE Band 13                                                                             | 5               | 779.5 - 784.5      | 748.5 - 753.5      |
|                     |                                                                                                                             | 10              | 782.0              | 751.0              |
| Type of Modulation  | GSM/GPRS: GMSK<br>EDGE: 8PSK<br>WCDMA: BPSK / QPSK<br>HSDPA: BPSK / QPSK<br>HSUPA: BPSK / QPSK<br>LTE: QPSK / 16QAM / 64QAM |                 |                    |                    |

Note: The above information was declared by manufacturer.

### 1.1.2 Antenna Information

| Ant. | Brand    | Model Name                                              | Antenna Type | Connector |
|------|----------|---------------------------------------------------------|--------------|-----------|
| 1    | Amphenol | L: UDB332-04-000-C ,<br>R: UDB332-04-100-C              | FPC          | FARKA     |
| 2    | Amphenol | L: UDB332-04-000-C ,<br>R: UDB332-04-100-C              | FPC          | FARKA     |
| 3    | Amphenol | L :UDB331-04-000-C-SHT180,<br>R: UDB331-04-100-C-SHT180 | FPC          | FARKA     |
| 4    | Amphenol | L :UDB331-04-000-C-SHT180,<br>R: UDB331-04-100-C-SHT180 | FPC          | FARKA     |

| Ant. | Port | 2.4G Gain (dBi) |       |       |       |       |       | Remark<br>(Note. 1) |
|------|------|-----------------|-------|-------|-------|-------|-------|---------------------|
|      |      | 2400            | 2420  | 2440  | 2460  | 2480  | 2500  |                     |
| 1    | 1    | 4.07            | 3.64  | 2.57  | 4.07  | 3.24  | 3.28  | w/o cable           |
|      |      | -0.88           | -1.31 | -2.38 | -0.88 | -1.71 | -1.67 | with cable          |

| Ant. | Port | 5G Gain (dBi) |       |       |       |       |       | Remark<br>(Note. 2) |
|------|------|---------------|-------|-------|-------|-------|-------|---------------------|
|      |      | 5150          | 5200  | 5250  | 5700  | 5750  | 5800  |                     |
| 1~2  | 1~2  | 4.04          | 4.05  | 3.53  | 3.52  | 3.62  | 4.16  | w/o cable           |
|      |      | -3.35         | -3.34 | -3.86 | -4.36 | -4.26 | -3.72 | with cable          |

| Ant. | Port | WWAN 2G/3G Gain (dBi) |          |                 |                 |                 | Remark<br>(Note. 3) |
|------|------|-----------------------|----------|-----------------|-----------------|-----------------|---------------------|
|      |      | GSM 850               | PCS 1900 | WCDMA<br>Band 2 | WCDMA<br>Band 4 | WCDMA<br>Band 5 |                     |
| 3~4  | 1~2  | 5.41                  | 2.85     | 2.33            | 2.11            | 6.3             | w/o cable           |
|      |      | 0.57                  | -1.99    | -2.51           | -2.73           | 1.46            | with cable          |

| Ant. | Port | WWAN 4G Gain (dBi) |               |               |               |                |                |                | Remark<br>(Note. 3) |
|------|------|--------------------|---------------|---------------|---------------|----------------|----------------|----------------|---------------------|
|      |      | LTE<br>Band 2      | LTE<br>Band 4 | LTE<br>Band 5 | LTE<br>Band 7 | LTE<br>Band 12 | LTE<br>Band 13 | LTE<br>Band 29 |                     |
| 3~4  | 1~2  | 2.33               | 2.11          | 6.3           | 1.88          | 6.8            | 6.8            | 5.7            | w/o cable           |
|      |      | -2.51              | -2.73         | 1.46          | -2.96         | 1.96           | 1.96           | 0.86           | with cable          |

Note 1: WLAN 2.4G cable loss = 4.95 dB.

Note 2: WLAN 5GHz Band 1 cable loss = 7.39 dB, and 5GHz Band 4 cable loss = 7.88 dB.

Note 3: WWAN cable loss = 4.84 dB.

Note 4 The EUT has four antennas.

**For 2.4GHz function:**

For IEEE 802.11 b/g/n mode (1TX/1RX)

Ant. 1 (port 1) could transmit/receive.

**For 5GHz function:**

For IEEE 802.11 a/n/ac mode (2TX/2RX)

Ant. 1 (port 1) and Ant. 2 (port 2) could transmit/receive simultaneously.

**For WWAN function (1TX/2RX):**

Ant. 3 (port 1) could transmit, and Ant. 3 (port 1) and Ant. 4 (port 2) could receive simultaneously.

**1.1.3 EUT Information**

| Operational Condition               |                                                                               |                                       |                                                    |
|-------------------------------------|-------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------------|
| <b>EUT Power Type</b>               |                                                                               | From Battery                          |                                                    |
| <b>EUT Function</b>                 |                                                                               | <input type="checkbox"/> Base Station | <input checked="" type="checkbox"/> Mobile Station |
| Type of EUT                         |                                                                               |                                       |                                                    |
| <input checked="" type="checkbox"/> | Stand-alone                                                                   |                                       |                                                    |
| <input type="checkbox"/>            | Combined (EUT where the radio part is fully integrated within another device) |                                       |                                                    |
|                                     | Combined Equipment - Brand Name / Model No.:                                  |                                       | ...                                                |
| <input type="checkbox"/>            | Plug-in radio (EUT intended for a variety of host systems)                    |                                       |                                                    |
|                                     | Host System - Brand Name / Model No.:                                         |                                       | ...                                                |
| <input type="checkbox"/>            | Other:                                                                        |                                       |                                                    |



## 1.2 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- 47 CFR Part 22(H), 24(E), 27, 90
- ANSI/TIA-603-E-2016
- KDB 971168 D01 v03r01

## 1.3 Testing Location

| Testing Location                           |          |                                                                                       |                      |
|--------------------------------------------|----------|---------------------------------------------------------------------------------------|----------------------|
| <input checked="" type="checkbox"/>        | HWA YA   | ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)             |                      |
|                                            |          | TEL : 886-3-327-3456                                                                  | FAX : 886-3-327-0973 |
| Test site Designation No. TW1190 with FCC. |          |                                                                                       |                      |
| <input type="checkbox"/>                   | JHUBEI   | ADD : No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County, Taiwan (R.O.C.)          |                      |
|                                            |          | TEL : 886-3-656-9065                                                                  | FAX : 886-3-656-9085 |
| Test site Designation No. TW0006 with FCC. |          |                                                                                       |                      |
| <input type="checkbox"/>                   | Wen Shan | ADD : No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) |                      |
|                                            |          | TEL : 886-3-318-0787                                                                  | FAX : 886-3-318-0287 |
| Test site Designation No. TW1097 with FCC. |          |                                                                                       |                      |

| Test Condition    | Test Site No. | Test Engineer | Test Environment     | Test Date                |
|-------------------|---------------|---------------|----------------------|--------------------------|
| RF Conducted      | TH01-HY       | Vivi          | 20.1~26.9°C / 50~60% | 08/Sep/2020~30/Sep /2020 |
| Radiated Emission | 03CH02-HY     | Daniel Lin    | 20.8~26.1°C / 53~62% | 09/Sep/2020~01/Oct/2020  |

## 1.4 Measurement Uncertainty

| Test Items                           | Uncertainty | Remark                   |
|--------------------------------------|-------------|--------------------------|
| Radiated Emission (9kHz ~ 30MHz)     | 2.4 dB      | Confidence levels of 95% |
| Radiated Emission (30MHz ~ 1,000MHz) | 3.7 dB      | Confidence levels of 95% |
| Radiated Emission (1GHz ~ 18GHz)     | 3.6 dB      | Confidence levels of 95% |
| Radiated Emission (18GHz ~ 40GHz)    | 3.5 dB      | Confidence levels of 95% |
| Conducted Emission                   | 1.0 dB      | Confidence levels of 95% |
| Temperature                          | 0.41 °C     | Confidence levels of 95% |
| Humidity                             | 3.4 %       | Confidence levels of 95% |





## 2 Test Configuration of Equipment Under Test

### 2.1 Test Condition

| Condition Item | Abbreviation/Remark | Remark |
|----------------|---------------------|--------|
| TnomVnom       | Tnom                | 20°C   |
|                | Vnom                | 12V    |
| <b>FS</b>      |                     |        |
| -40°C          |                     |        |
| -30°C          |                     |        |
| -20°C          |                     |        |
| -10°C          |                     |        |
| 0°C            |                     |        |
| 10°C           |                     |        |
| 20°C           |                     |        |
| 30°C           |                     |        |
| 40°C           |                     |        |
| 50°C           |                     |        |
| 60°C           |                     |        |
| 70°C           |                     |        |
| 80°C           |                     |        |
| 85°C           |                     |        |
| 13.8V          |                     |        |
| 12V            |                     |        |
| 10.2V          |                     |        |

## 2.2 The Worst Case Measurement Configuration

| The Worst Case Mode for Following Conformance Tests |                                                                                                                                          |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tests Item</b>                                   | Conducted Output Power, Peak-to-Average Ratio, Occupied Bandwidth, Conducted Band Edge, Conducted Spurious Emission, Frequency Stability |
| <b>Test Condition</b>                               | Conducted measurement at transmit chains                                                                                                 |
| 1                                                   | EUT with GSM 850 Link                                                                                                                    |
| 2                                                   | EUT with PCS 1900 Link                                                                                                                   |
| 3                                                   | EUT with WCDMA Band II Link                                                                                                              |
| 4                                                   | EUT with WCDMA Band IV Link                                                                                                              |
| 5                                                   | EUT with WCDMA Band V Link                                                                                                               |
| 6                                                   | EUT with LTE Band 2 Link                                                                                                                 |
| 7                                                   | EUT with LTE Band 4 Link                                                                                                                 |
| 8                                                   | EUT with LTE Band 5 Link                                                                                                                 |
| 9                                                   | EUT with LTE Band 7 Link                                                                                                                 |
| 10                                                  | EUT with LTE Band 12 Link                                                                                                                |
| 11                                                  | EUT with LTE Band 13 Link                                                                                                                |

| The Worst Case Mode for Following Conformance Tests |                                                                                      |
|-----------------------------------------------------|--------------------------------------------------------------------------------------|
| <b>Tests Item</b>                                   | Radiated Spurious Emission                                                           |
| <b>Test Condition</b>                               | Radiated measurement                                                                 |
| 1                                                   | Battery mode                                                                         |
| <b>Orthogonal Planes of EUT</b>                     | <b>Z Plane</b>                                                                       |
|                                                     |  |

## 2.3 Accessories

| Accessories               |             |                                                  |
|---------------------------|-------------|--------------------------------------------------|
| DC Power Cable            | Signal Line | 2.51 meter, non-shielded cable, w/o ferrite core |
| USB 3.0 Cable             | Signal Line | 0.5 meter, non-shielded cable, w/o ferrite core  |
| RJ45 Cable                | Signal Line | 0.5 meter, non-shielded cable, w/o ferrite core  |
| APTIV Cable               | Signal Line | 15 meter, shielded cable, w/o ferrite core       |
| Antenna Cable (WiFi*2)    | Signal Line | 5.41 meter, shielded cable, w/o ferrite core     |
| Antenna Cable (LTE L & R) | Signal Line | 5.83 meter, shielded cable, w/o ferrite core     |
| GPS Cable                 | Signal Line | 5.16 meter, shielded cable, w/o ferrite core     |

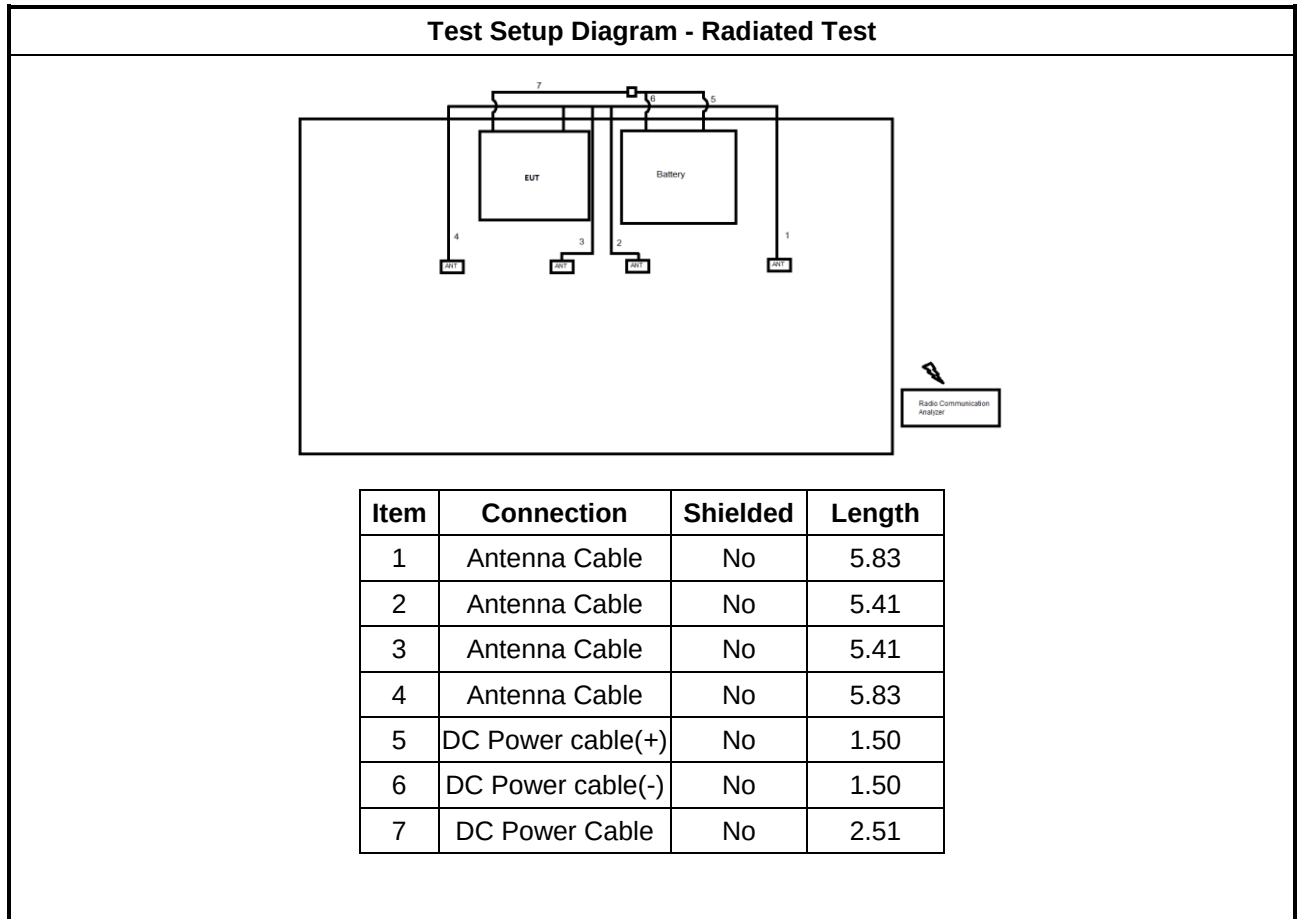
Reminder: Regarding to more detail and other information, please refer to user manual.

## 2.4 Support Equipment

| Support Equipment – Conducted |                   |            |            |        |        |
|-------------------------------|-------------------|------------|------------|--------|--------|
| No.                           | Equipment         | Brand Name | Model Name | FCC ID | Remark |
| 1                             | Notebook          | DELL       | E5410      | -      | -      |
| 2                             | Adapter for NB    | DELL       | HA65NM130  | -      | -      |
| 3                             | DC Power Supply   | GW         | GPS-3030DD | -      | -      |
| 4                             | Radio Communicati | Anritsu    | MT8820C    | -      | -      |
| 5                             | Sim Card for WWAN | R&S        | eSIM       | -      | -      |

| Support Equipment – Radiated |                              |            |            |        |          |
|------------------------------|------------------------------|------------|------------|--------|----------|
| No.                          | Equipment                    | Brand Name | Model Name | FCC ID | Remark   |
| 1                            | Sim Card                     | R&S        | eSIM       | -      | for WWAN |
| 2                            | Radio Communication Analyzer | Anitsu     | MT8820C    | -      | Remote   |
| 3                            | Battery                      | Panasonic  | -          | -      | -        |

## 2.5 Test Setup Diagram



### 3 Test Result

#### 3.1 Conducted Output Power and ERP/EIRP Measurement

##### 3.1.1 Description of the Conducted Output Power and ERP/EIRP Measurement

| Conducted Output Power Limit                                                                                                                                                                                                                                                                                                                                           |                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| N/A                                                                                                                                                                                                                                                                                                                                                                    |                                                                                    |
| Effective Radiated Power (ERP) Limit                                                                                                                                                                                                                                                                                                                                   |                                                                                    |
| <input checked="" type="checkbox"/> GSM 850                                                                                                                                                                                                                                                                                                                            | Base Station: 500 Watts or 400Watts (PSD)<br>Mobile Station: 7 Watts               |
| <input checked="" type="checkbox"/> WCDMA Band V                                                                                                                                                                                                                                                                                                                       |                                                                                    |
| <input checked="" type="checkbox"/> LTE Band 5                                                                                                                                                                                                                                                                                                                         |                                                                                    |
| <input checked="" type="checkbox"/> LTE Band 12                                                                                                                                                                                                                                                                                                                        | Base Station: 1000 Watts<br>Mobile Station: 30 Watts<br>hand-held devices: 3 Watts |
| <input checked="" type="checkbox"/> LTE Band 13                                                                                                                                                                                                                                                                                                                        |                                                                                    |
| Equivalent Isotropic Radiated Power (EIRP) Limit                                                                                                                                                                                                                                                                                                                       |                                                                                    |
| <input checked="" type="checkbox"/> PCS 1900                                                                                                                                                                                                                                                                                                                           | Base Station: 1640 Watts<br>Mobile Station: 2 Watts                                |
| <input checked="" type="checkbox"/> WCDMA Band II                                                                                                                                                                                                                                                                                                                      |                                                                                    |
| <input checked="" type="checkbox"/> LTE Band 2                                                                                                                                                                                                                                                                                                                         |                                                                                    |
| <input checked="" type="checkbox"/> LTE Band 7                                                                                                                                                                                                                                                                                                                         |                                                                                    |
| <input checked="" type="checkbox"/> WCDMA Band IV                                                                                                                                                                                                                                                                                                                      | Base Station: 1640 Watts<br>Mobile Station: 1 Watts                                |
| <input checked="" type="checkbox"/> LTE Band 4                                                                                                                                                                                                                                                                                                                         |                                                                                    |
| Note 1: A system simulator was used to establish communication with the EUT. Its parameters were set to enforce EUT transmitting at the maximum power. The measured power in the radio frequency on the transmitter output terminals shall be reported.                                                                                                                |                                                                                    |
| Note 2: According to ANSI/TIA-603-E-2016 Power Approach,<br>EIRP = P <sub>T</sub> + G <sub>T</sub> – L <sub>C</sub> , ERP = EIRP -2.15, where<br>P <sub>T</sub> = transmitter output power in dBm<br>G <sub>T</sub> = gain of the transmitting antenna in dBi<br>L <sub>C</sub> = signal attenuation in the connecting cable between the transmitter and antenna in dB |                                                                                    |

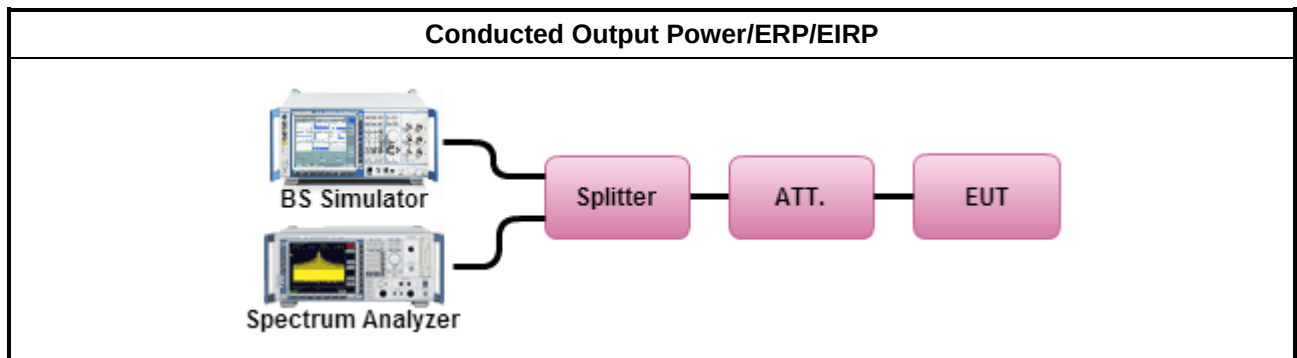
##### 3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

##### 3.1.3 Test Procedures

1. The transmitter output port was connected to the system simulator.
2. Set EUT at maximum power through system simulator.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Measure and record the power level from the system simulator.

### 3.1.4 Test Setup



### 3.1.5 Test Result of Conducted Output Power

Refer as Appendix A

### 3.1.6 Test Result of ERP/EIRP

Refer as Appendix A

## 3.2 Peak-to-Average Ratio Measurement

### 3.2.1 Description of the PAR Measurement

The peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

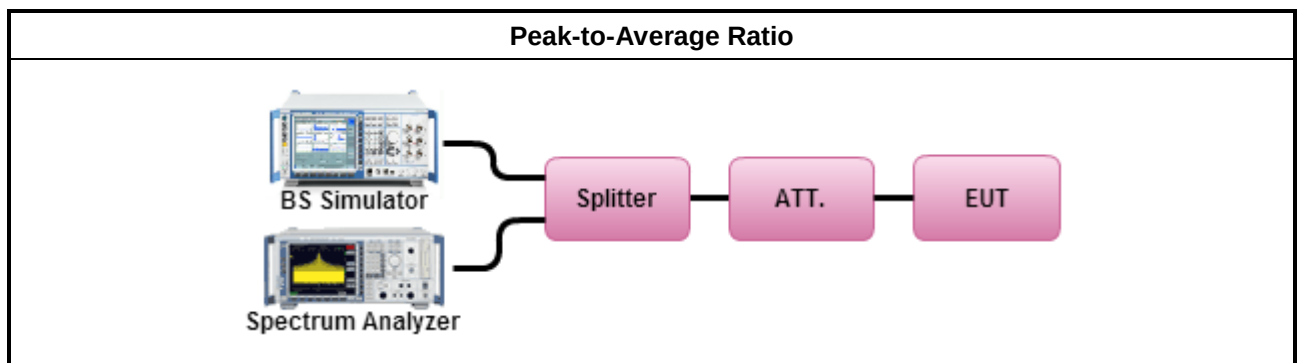
### 3.2.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

### 3.2.3 Test Procedures

1. The EUT was connected to spectrum and system simulator via a power divider.
2. Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer.
3. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1 %.
4. Record the deviation as Peak to Average Ratio.

### 3.2.4 Test Setup



### 3.2.5 Test Result of Peak-to-Average Ratio

Refer as Appendix B

### 3.3 Occupied Bandwidth Measurement

#### 3.3.1 Description of Occupied Bandwidth Measurement

The occupied bandwidth is the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean transmitted power.

The 26 dB emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

#### 3.3.2 Measuring Instruments

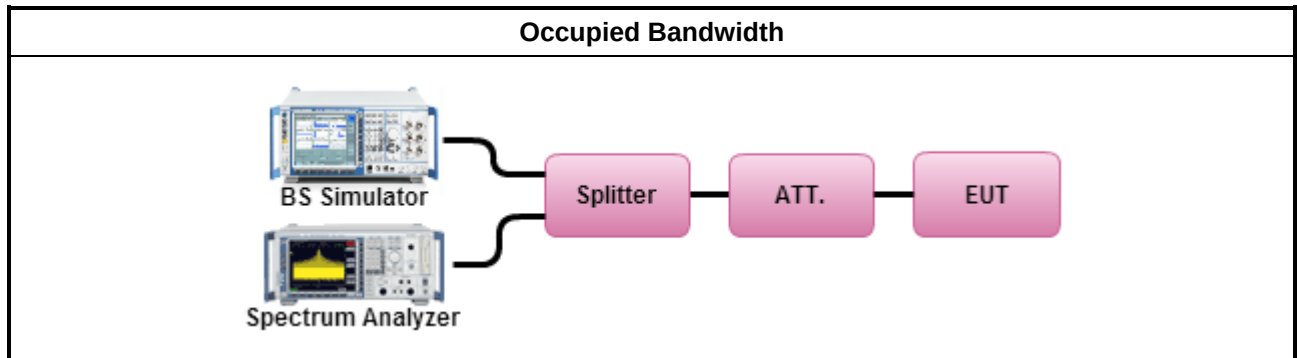
The measuring equipment is listed in the section 4 of this test report.

#### 3.3.3 Test Procedures

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency.  
The span range for the spectrum analyzer shall be between two and five times the anticipated OBW.
3. The nominal resolution bandwidth (RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
4. Set the detection mode to peak, and the trace mode to max hold.
5. Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace. (this is the reference value)
6. Determine the “-26 dB down amplitude” as equal to (Reference Value – X).
7. Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the “-X dB down amplitude” determined in step 6. If a marker is below this “-X dB down amplitude” value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers.
8. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.



### 3.3.4 Test Setup



### 3.3.5 Test Result of Occupied Bandwidth

Refer as Appendix C

### 3.4 Conducted Band Edge Measurement

#### 3.4.1 Description of Conducted Band Edge Measurement

| <b>Conducted Band Edge</b>                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> GSM 850<br><input checked="" type="checkbox"/> WCDMA V<br><input checked="" type="checkbox"/> LTE Band 5   | $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power P(Watts) in a 100kHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <input checked="" type="checkbox"/> PCS 1900<br><input checked="" type="checkbox"/> WCDMA II<br><input checked="" type="checkbox"/> LTE Band 2 | $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power P(Watts) in a 1MHz bandwidth. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <input checked="" type="checkbox"/> LTE Band 4                                                                                                 | $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power P(Watts) in a 1 MHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <input checked="" type="checkbox"/> LTE Band 12                                                                                                | $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power P(Watts) in a 100 kHz bandwidth. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <input checked="" type="checkbox"/> LTE Band 13                                                                                                | $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power P(Watts) in a 100 kHz bandwidth. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <input checked="" type="checkbox"/> LTE Band 7                                                                                                 | <p>For mobile digital stations, the attenuation factor shall be not less than <math>40 + 10 \log (P)</math> dB on all frequencies between the channel edge and 5 megahertz from the channel edge, <math>43 + 10 \log (P)</math> Db on all frequencies between 5 megahertz and X megahertz from the channel edge, and <math>55 + 10 \log (P)</math> dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that <math>43 + 10 \log (P)</math> dB on all frequencies between 2490.5 MHz and 2496 MHz and <math>55 + 10 \log (P)</math> dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.</p> |

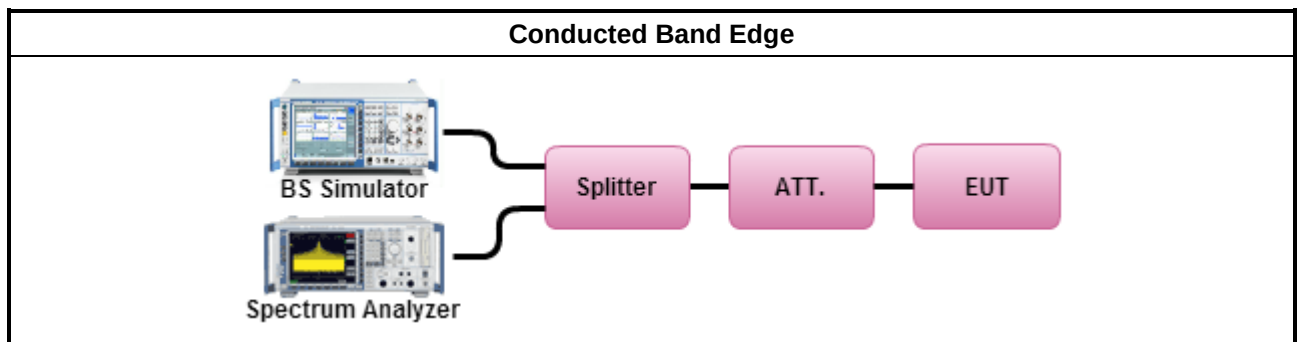
#### 3.4.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

### 3.4.3 Test Procedures

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The band edges of low and high channels for the highest RF powers were measured.
3. Set RBW  $\geq 1\%$  EBW in the 1MHz band immediately outside and adjacent to the band edge.
4. Beyond the 1 MHz band from the band edge, RBW=1MHz was used.
5. Set spectrum analyzer with RMS detector.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
7. Checked that all the results comply with the emission limit line.

### 3.4.4 Test Setup



### 3.4.5 Test Result of Conducted Band Edge

Refer as Appendix D

### 3.5 Conducted Spurious Emission Measurement

#### 3.5.1 Description of Conducted Spurious Emission Measurement

| Conducted Band Edge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> GSM 850<br><input checked="" type="checkbox"/> PCS 1900<br><input checked="" type="checkbox"/> WCDMA V<br><input checked="" type="checkbox"/> WCDMA II<br><input checked="" type="checkbox"/> WCDMA IV<br><input checked="" type="checkbox"/> LTE Band 5<br><input checked="" type="checkbox"/> LTE Band 2<br><input checked="" type="checkbox"/> LTE Band 4<br><input checked="" type="checkbox"/> LTE Band 12<br><input checked="" type="checkbox"/> LTE Band 13 | <p>The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least <math>43 + 10 \log (P)</math> dB.</p>                                                                                                                                                    |
| <input checked="" type="checkbox"/> LTE Band 7                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <p>The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least <math>55 + 10 \log (P)</math> dB.</p> <p>It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10<sup>th</sup> harmonic.</p> |

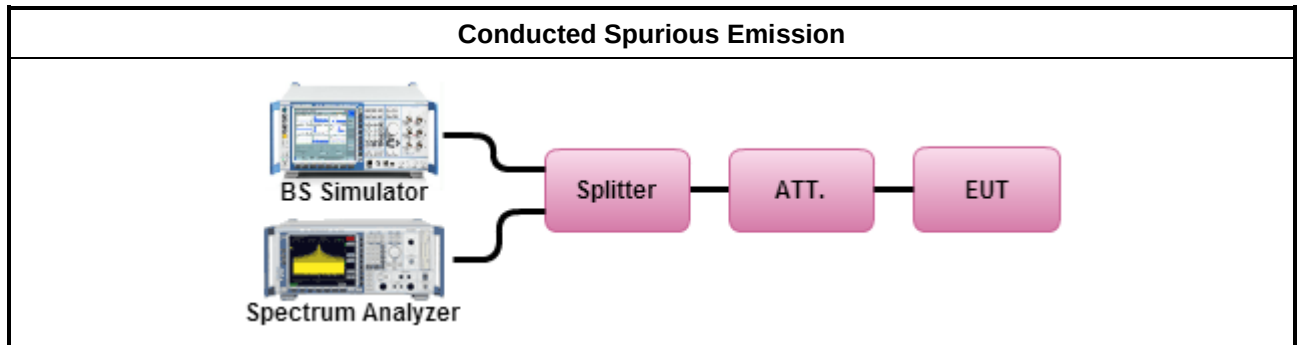
#### 3.5.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

#### 3.5.3 Test Procedures

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.  
The path loss was compensated to the results for each measurement.
3. The middle channel for the highest RF power within the transmitting frequency was measured.
4. The conducted spurious emission for the whole frequency range was taken.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz.
6. Set spectrum analyzer with RMS detector.
7. Taking the record of maximum spurious emission.
8. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

### 3.5.4 Test Setup



### 3.5.5 Test Result of Conducted Spurious Emission

Refer as Appendix D



### 3.6 Radiated Spurious Emission Measurement

#### 3.6.1 Description of Radiated Spurious Emission Measurement

| Radiated Spurious Emission                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| The radiated spurious emission was measured by substitution method according to ANSI / TIA-603-E. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB. |                                                                                                                                                                                                                                                                                                   |
| <input checked="" type="checkbox"/> LTE Band 7                                                                                                                                                                                                                                     | The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $55 + 10 \log (P)$ dB.                                                                                                                        |
| <input checked="" type="checkbox"/> LTE Band 12<br><input checked="" type="checkbox"/> LTE Band 13                                                                                                                                                                                 | Emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotopically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic. |

#### 3.6.2 Measuring Instruments

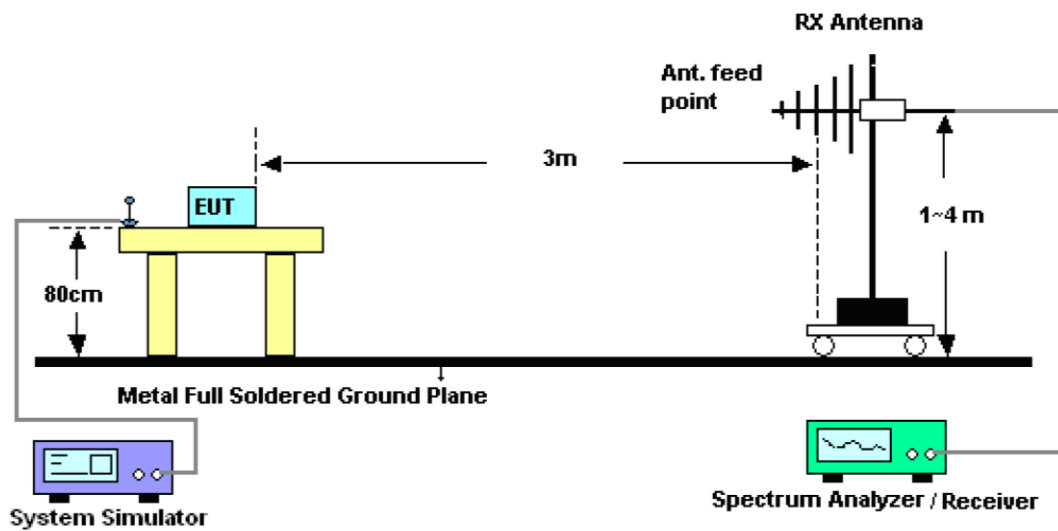
The measuring equipment is listed in the section 4 of this test report.

#### 3.6.3 Test Procedures

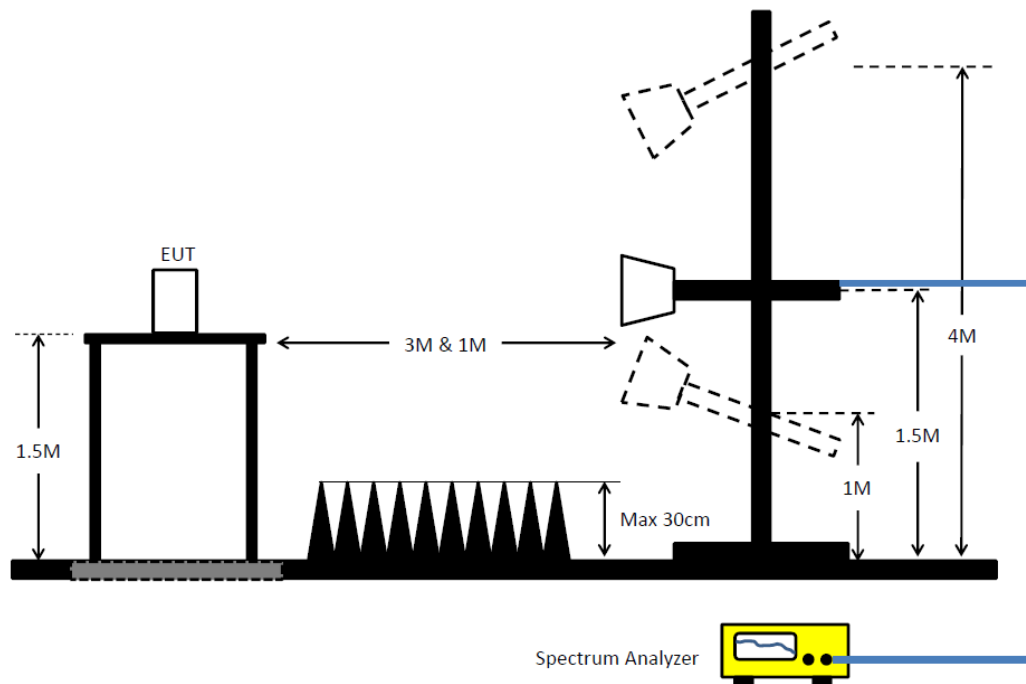
1. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
6. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
8. Taking the record of output power at antenna port.
9. Repeat step 7 to step 8 for another polarization.
10. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

### 3.6.4 Test Setup

**For radiated emissions from 30MHz to 1GHz**



### For radiated emissions above 1GHz





### **3.6.5 Measurement Results Calculation**

The measured Level is calculated using:

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor (if applicable) = Level.

### **3.6.6 Test Result of Radiated Spurious Emission**

Refer as Appendix E





### 3.7 Frequency Stability Measurement

#### 3.7.1 Description of Frequency Stability Measurement

| Frequency Stability                                                                                                                                                                                              |                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| <input checked="" type="checkbox"/> GSM 850                                                                                                                                                                      | Base Station: ±1.5ppm<br>Mobile Station: ±2.5ppm |
| <input checked="" type="checkbox"/> WCDMA V                                                                                                                                                                      |                                                  |
| <input checked="" type="checkbox"/> LTE Band 5                                                                                                                                                                   |                                                  |
| <input checked="" type="checkbox"/> LTE Band 7                                                                                                                                                                   |                                                  |
| <input checked="" type="checkbox"/> PCS 1900                                                                                                                                                                     | Within Authorized Band                           |
| <input checked="" type="checkbox"/> WCDMA II                                                                                                                                                                     |                                                  |
| <input checked="" type="checkbox"/> LTE Band 2                                                                                                                                                                   |                                                  |
| <input checked="" type="checkbox"/> LTE Band 4                                                                                                                                                                   |                                                  |
| <input checked="" type="checkbox"/> LTE Band 12                                                                                                                                                                  |                                                  |
| <input checked="" type="checkbox"/> LTE Band 13                                                                                                                                                                  |                                                  |
| Note: The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. |                                                  |

#### 3.7.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

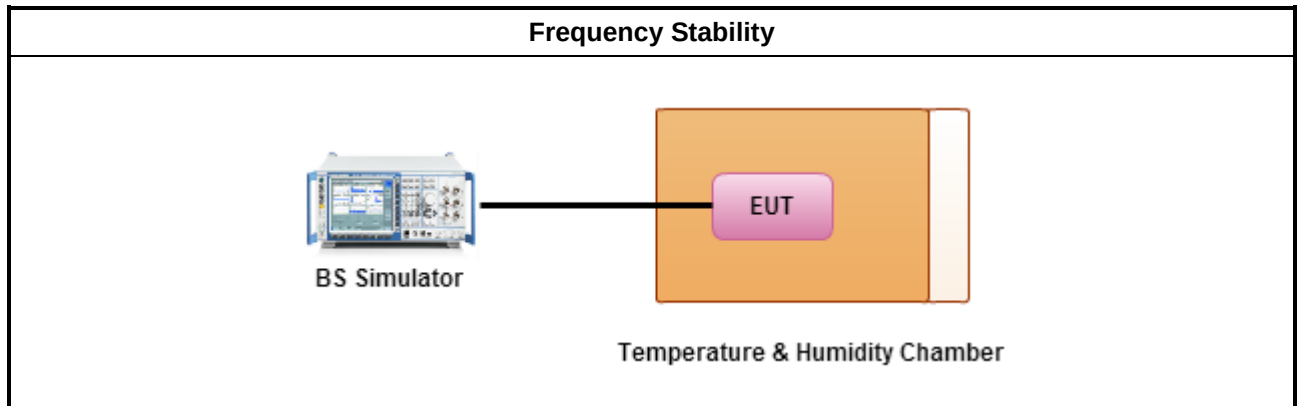
#### 3.7.3 Test Procedures for Temperature Variation

1. The EUT was set up in the thermal chamber and connected with the system simulator.
2. With power OFF, the temperature was decreased to  $-30^{\circ}\text{C}$  and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
3. With power OFF, the temperature was raised in  $-30^{\circ}\text{C}$  steps up to  $50^{\circ}\text{C}$ . The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

#### 3.7.4 Test Procedures for Voltage Variation

1. The EUT was placed in a temperature chamber at  $25\pm 5^{\circ}\text{C}$  and connected with the system simulator.
2. The power supply voltage to the EUT was varied from 85 to 115% of the nominal value measured at the input to the EUT.
3. The variation in frequency was measured for the worst case.

### 3.7.5 Test Setup



### 3.7.6 Test Result of Frequency Stability

Refer as Appendix F



## 4 Test Equipment and Calibration Data

### Instrument for Conducted Test

| Instrument                         | Manufacturer | Model No.        | Serial No.  | Spec.        | Calibration Date | Calibration Due Date |
|------------------------------------|--------------|------------------|-------------|--------------|------------------|----------------------|
| Signal Analyzer                    | R&S          | FSV 40           | 101013      | 10Hz~40GHz   | 19/Mar/2020      | 18/Mar/2021          |
| Programmable Temp. & Humi. Chamber | Giant Force  | GTH-225-40-CP-AR | MAA1611-005 | -40~100℃     | 09/Dec/2019      | 08/Dec/2020          |
| SMB100A Signal Generator           | R&S          | SMB100A03        | 181147      | 100kHz~40GHz | 12/Nov/2018      | 11/Nov/2020          |

### Instrument for Radiated Test

| Instrument                       | Manufacturer    | Model No.              | Serial No.        | Spec.            | Calibration Date | Calibration Due Date |
|----------------------------------|-----------------|------------------------|-------------------|------------------|------------------|----------------------|
| 3m Semi Anechoic Chamber         | SIDT FRANKONIA  | SAC-3M                 | 03CH02-HY         | 30MHz~1GHz<br>3m | 04/Aug/2020      | 03/Aug/2021          |
| 3m Semi Anechoic Chamber         | SIDT FRANKONIA  | SAC-3M                 | 03CH02-HY         | 1GHz~18GHz<br>3m | 02/Aug/2020      | 01/Aug/2021          |
| Signal Analyzer                  | R&S             | FSP40                  | 100593            | 1GHz~26.5GHz     | 27/Feb/2020      | 26/Feb/2021          |
| Amplifier                        | Agilent         | 8447D                  | 2944A11149        | 100kHz~1.3GHz    | 30/Jun/2020      | 29/Jun/2021          |
| Microwave Preamplifier           | Agilent         | 8449B                  | 3008A02373        | 1GHz~18GHz       | 16/Oct/2019      | 15/Oct/2020          |
| Bilog Antenna & 5dB Attenuator   | SCHAFFNER / MTJ | CBL 6112B / MTJ6102-05 | 2723 / 2          | 30MHz~1GHz       | 06/Sep/2020      | 05/Sep/2021          |
| Double Ridged Guide Horn Antenna | SCHWARZBEC      | BBHA 9120 D            | BBHA 9120 D 01543 | 1GHz~18GHz       | 09/Jun/2020      | 08/Jun/2021          |
| Double Ridged Guide Horn Antenna | COM-POWER       | AH-118                 | 10094             | 1GHz~18GHz       | 08/Jul/2020      | 07/Jul/2021          |
| RF Cable-R03m                    | Jye Bao         | RG142                  | CB017             | 9kHz~30MHz       | 20/Jun/2020      | 19/Jun/2021          |
| RF Cable-R03m                    | Jye Bao         | RG142                  | CB017             | 30MHz~1GHz       | 25/Mar/2020      | 24/Mar/2021          |
| RF Cable-R03m                    | HUBER+SUHNER    | SUCOFLEX104            | 805193/4+805192/4 | 1GHz~40GHz       | 08/Apr/2020      | 07/Apr/2021          |
| Broadband Horn Antenna           | SCHWARZBEC K    | BBHA 9170              | BBHA 9170221      | 18GHz~40GHz      | 13/Mar/2020      | 12/Mar/2021          |
| Preamplifier                     | MITEQ           | TTA1840-35-HG          | 1864481           | 18GHz~40GHz      | 10/Mar/2020      | 09/Mar/2021          |
| Loop Antenna                     | TESEQ           | HLA 6120               | 31244             | 9kHz~30MHz       | 16/Mar/2020      | 15/Mar/2021          |
| EMI Test Receiver                | R&S             | ESR3                   | 102051            | 9kHz~3.6GHz      | 29/May/2020      | 28/May/2021          |

**Summary**

| Mode                                 | Power<br>(dBm) | Power<br>(W) | EIRP/ERP<br>(dBm) | EIRP<br>(W) |
|--------------------------------------|----------------|--------------|-------------------|-------------|
| 850                                  | -              | -            | -                 | -           |
| GPRS_200kHz_Nss1,Multislot 1 up_1TX  | 31.64          | 1.459        | 30.06             | 1.01391     |
| GPRS_200kHz_Nss1,Multislot 2 up_1TX  | 31.64          | 1.459        | 30.06             | 1.01391     |
| GPRS_200kHz_Nss1,Multislot 3 up_1TX  | 30.83          | 1.211        | 29.25             | 0.84140     |
| GPRS_200kHz_Nss1,Multislot 4 up_1TX  | 29.68          | 0.929        | 28.10             | 0.64565     |
| EGPRS_200kHz_Nss1,Multislot 1 up_1TX | 26.30          | 0.427        | 24.72             | 0.29648     |
| EGPRS_200kHz_Nss1,Multislot 2 up_1TX | 26.29          | 0.426        | 24.71             | 0.29580     |
| EGPRS_200kHz_Nss1,Multislot 3 up_1TX | 25.47          | 0.352        | 23.89             | 0.24491     |
| EGPRS_200kHz_Nss1,Multislot 4 up_1TX | 24.29          | 0.269        | 22.71             | 0.18664     |
| 1900                                 | -              | -            | -                 | -           |
| GPRS_200kHz_Nss1,Multislot 1 up_1TX  | 28.26          | 0.670        | 26.27             | 0.42364     |
| GPRS_200kHz_Nss1,Multislot 2 up_1TX  | 28.23          | 0.665        | 26.24             | 0.42073     |
| GPRS_200kHz_Nss1,Multislot 3 up_1TX  | 27.45          | 0.556        | 25.46             | 0.35156     |
| GPRS_200kHz_Nss1,Multislot 4 up_1TX  | 26.23          | 0.420        | 24.24             | 0.26546     |
| EGPRS_200kHz_Nss1,Multislot 1 up_1TX | 25.00          | 0.316        | 23.01             | 0.19999     |
| EGPRS_200kHz_Nss1,Multislot 2 up_1TX | 24.99          | 0.316        | 23.00             | 0.19953     |
| EGPRS_200kHz_Nss1,Multislot 3 up_1TX | 24.25          | 0.266        | 22.26             | 0.16827     |
| EGPRS_200kHz_Nss1,Multislot 4 up_1TX | 23.03          | 0.201        | 21.04             | 0.12706     |

**Result**

| Mode                                     | Result | DG<br>(dBi) | EIRP/ERP<br>(dBm) | EIRP/ERP<br>(W) | EIRP/ERP<br>Lim.<br>(W) | Power<br>(dBm) | Power<br>(W) | Power Lim.<br>(W) | Port 1<br>(dBm) |
|------------------------------------------|--------|-------------|-------------------|-----------------|-------------------------|----------------|--------------|-------------------|-----------------|
| 850_GPRS_200kHz_Nss1,Multislot 1 up_1TX  | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 824.2MHz                                 | Pass   | 0.57        | 30.06             | 1.01391         | 7                       | 31.64          | 1.459        | Inf               | 31.64           |
| 850_GPRS_200kHz_Nss1,Multislot 2 up_1TX  | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 824.2MHz                                 | Pass   | 0.57        | 30.06             | 1.01391         | 7                       | 31.64          | 1.459        | Inf               | 31.64           |
| 850_GPRS_200kHz_Nss1,Multislot 3 up_1TX  | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 824.2MHz                                 | Pass   | 0.57        | 29.25             | 0.84140         | 7                       | 30.83          | 1.211        | Inf               | 30.83           |
| 850_GPRS_200kHz_Nss1,Multislot 4 up_1TX  | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 824.2MHz                                 | Pass   | 0.57        | 28.10             | 0.64565         | 7                       | 29.68          | 0.929        | Inf               | 29.68           |
| 850_GPRS_200kHz_Nss1,Multislot 1 up_1TX  | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 836.4MHz                                 | Pass   | 0.57        | 29.99             | 0.99770         | 7                       | 31.57          | 1.435        | Inf               | 31.57           |
| 850_GPRS_200kHz_Nss1,Multislot 2 up_1TX  | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 836.4MHz                                 | Pass   | 0.57        | 30.00             | 1.00000         | 7                       | 31.58          | 1.439        | Inf               | 31.58           |
| 850_GPRS_200kHz_Nss1,Multislot 3 up_1TX  | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 836.4MHz                                 | Pass   | 0.57        | 29.21             | 0.83368         | 7                       | 30.79          | 1.199        | Inf               | 30.79           |
| 850_GPRS_200kHz_Nss1,Multislot 4 up_1TX  | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 836.4MHz                                 | Pass   | 0.57        | 28.05             | 0.63826         | 7                       | 29.63          | 0.918        | Inf               | 29.63           |
| 850_GPRS_200kHz_Nss1,Multislot 1 up_1TX  | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 848.8MHz                                 | Pass   | 0.57        | 30.00             | 1.00000         | 7                       | 31.58          | 1.439        | Inf               | 31.58           |
| 850_GPRS_200kHz_Nss1,Multislot 2 up_1TX  | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 848.8MHz                                 | Pass   | 0.57        | 30.00             | 1.00000         | 7                       | 31.58          | 1.439        | Inf               | 31.58           |
| 850_GPRS_200kHz_Nss1,Multislot 3 up_1TX  | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 848.8MHz                                 | Pass   | 0.57        | 29.18             | 0.82794         | 7                       | 30.76          | 1.191        | Inf               | 30.76           |
| 850_GPRS_200kHz_Nss1,Multislot 4 up_1TX  | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 848.8MHz                                 | Pass   | 0.57        | 28.03             | 0.63533         | 7                       | 29.61          | 0.914        | Inf               | 29.61           |
| 1900_GPRS_200kHz_Nss1,Multislot 1 up_1TX | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 1850.2MHz                                | Pass   | -1.99       | 26.20             | 0.41687         | 2                       | 28.19          | 0.659        | Inf               | 28.19           |
| 1900_GPRS_200kHz_Nss1,Multislot 2 up_1TX | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 1850.2MHz                                | Pass   | -1.99       | 26.18             | 0.41495         | 2                       | 28.17          | 0.656        | Inf               | 28.17           |
| 1900_GPRS_200kHz_Nss1,Multislot 3 up_1TX | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 1850.2MHz                                | Pass   | -1.99       | 25.40             | 0.34674         | 2                       | 27.39          | 0.548        | Inf               | 27.39           |
| 1900_GPRS_200kHz_Nss1,Multislot 4 up_1TX | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 1850.2MHz                                | Pass   | -1.99       | 24.21             | 0.26363         | 2                       | 26.20          | 0.417        | Inf               | 26.20           |
| 1900_GPRS_200kHz_Nss1,Multislot 1 up_1TX | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 1880MHz                                  | Pass   | -1.99       | 26.14             | 0.41115         | 2                       | 28.13          | 0.650        | Inf               | 28.13           |
| 1900_GPRS_200kHz_Nss1,Multislot 2 up_1TX | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 1880MHz                                  | Pass   | -1.99       | 26.11             | 0.40832         | 2                       | 28.10          | 0.646        | Inf               | 28.10           |
| 1900_GPRS_200kHz_Nss1,Multislot 3 up_1TX | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 1880MHz                                  | Pass   | -1.99       | 25.33             | 0.34119         | 2                       | 27.32          | 0.540        | Inf               | 27.32           |
| 1900_GPRS_200kHz_Nss1,Multislot 4 up_1TX | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 1880MHz                                  | Pass   | -1.99       | 24.13             | 0.25882         | 2                       | 26.12          | 0.409        | Inf               | 26.12           |
| 1900_GPRS_200kHz_Nss1,Multislot 1 up_1TX | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 1909.8MHz                                | Pass   | -1.99       | 26.27             | 0.42364         | 2                       | 28.26          | 0.670        | Inf               | 28.26           |
| 1900_GPRS_200kHz_Nss1,Multislot 2 up_1TX | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 1909.8MHz                                | Pass   | -1.99       | 26.24             | 0.42073         | 2                       | 28.23          | 0.665        | Inf               | 28.23           |
| 1900_GPRS_200kHz_Nss1,Multislot 3 up_1TX | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 1909.8MHz                                | Pass   | -1.99       | 25.46             | 0.35156         | 2                       | 27.45          | 0.556        | Inf               | 27.45           |
| 1900_GPRS_200kHz_Nss1,Multislot 4 up_1TX | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 1909.8MHz                                | Pass   | -1.99       | 24.24             | 0.26546         | 2                       | 26.23          | 0.420        | Inf               | 26.23           |



## Average Power

## Appendix A.1

| Mode                                      | Result | DG<br>(dBi) | EIRP/ERP<br>(dBm) | EIRP/ERP<br>(W) | EIRP/ERP<br>Lim.<br>(W) | Power<br>(dBm) | Power<br>(W) | Power Lim.<br>(W) | Port 1<br>(dBm) |
|-------------------------------------------|--------|-------------|-------------------|-----------------|-------------------------|----------------|--------------|-------------------|-----------------|
| 850_EGPRS_200kHz_Nss1,Multislot 1 up_1TX  | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 824.2MHz                                  | Pass   | 0.57        | 24.70             | 0.29512         | 7                       | 26.28          | 0.425        | Inf               | 26.28           |
| 850_EGPRS_200kHz_Nss1,Multislot 2 up_1TX  | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 824.2MHz                                  | Pass   | 0.57        | 24.71             | 0.29580         | 7                       | 26.29          | 0.426        | Inf               | 26.29           |
| 850_EGPRS_200kHz_Nss1,Multislot 3 up_1TX  | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 824.2MHz                                  | Pass   | 0.57        | 23.89             | 0.24491         | 7                       | 25.47          | 0.352        | Inf               | 25.47           |
| 850_EGPRS_200kHz_Nss1,Multislot 4 up_1TX  | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 824.2MHz                                  | Pass   | 0.57        | 22.71             | 0.18664         | 7                       | 24.29          | 0.269        | Inf               | 24.29           |
| 850_EGPRS_200kHz_Nss1,Multislot 1 up_1TX  | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 836.4MHz                                  | Pass   | 0.57        | 24.72             | 0.29648         | 7                       | 26.30          | 0.427        | Inf               | 26.30           |
| 850_EGPRS_200kHz_Nss1,Multislot 2 up_1TX  | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 836.4MHz                                  | Pass   | 0.57        | 24.71             | 0.29580         | 7                       | 26.29          | 0.426        | Inf               | 26.29           |
| 850_EGPRS_200kHz_Nss1,Multislot 3 up_1TX  | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 836.4MHz                                  | Pass   | 0.57        | 23.88             | 0.24434         | 7                       | 25.46          | 0.352        | Inf               | 25.46           |
| 850_EGPRS_200kHz_Nss1,Multislot 4 up_1TX  | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 836.4MHz                                  | Pass   | 0.57        | 22.65             | 0.18408         | 7                       | 24.23          | 0.265        | Inf               | 24.23           |
| 850_EGPRS_200kHz_Nss1,Multislot 1 up_1TX  | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 848.8MHz                                  | Pass   | 0.57        | 24.67             | 0.29309         | 7                       | 26.25          | 0.422        | Inf               | 26.25           |
| 850_EGPRS_200kHz_Nss1,Multislot 2 up_1TX  | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 848.8MHz                                  | Pass   | 0.57        | 24.68             | 0.29376         | 7                       | 26.26          | 0.423        | Inf               | 26.26           |
| 850_EGPRS_200kHz_Nss1,Multislot 3 up_1TX  | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 848.8MHz                                  | Pass   | 0.57        | 23.78             | 0.23878         | 7                       | 25.36          | 0.344        | Inf               | 25.36           |
| 850_EGPRS_200kHz_Nss1,Multislot 4 up_1TX  | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 848.8MHz                                  | Pass   | 0.57        | 22.66             | 0.18450         | 7                       | 24.24          | 0.265        | Inf               | 24.24           |
| 1900_EGPRS_200kHz_Nss1,Multislot 1 up_1TX | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 1850.2MHz                                 | Pass   | -1.99       | 22.91             | 0.19543         | 2                       | 24.90          | 0.309        | Inf               | 24.90           |
| 1900_EGPRS_200kHz_Nss1,Multislot 2 up_1TX | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 1850.2MHz                                 | Pass   | -1.99       | 22.96             | 0.19770         | 2                       | 24.95          | 0.313        | Inf               | 24.95           |
| 1900_EGPRS_200kHz_Nss1,Multislot 3 up_1TX | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 1850.2MHz                                 | Pass   | -1.99       | 22.16             | 0.16444         | 2                       | 24.15          | 0.260        | Inf               | 24.15           |
| 1900_EGPRS_200kHz_Nss1,Multislot 4 up_1TX | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 1850.2MHz                                 | Pass   | -1.99       | 20.92             | 0.12359         | 2                       | 22.91          | 0.195        | Inf               | 22.91           |
| 1900_EGPRS_200kHz_Nss1,Multislot 1 up_1TX | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 1880MHz                                   | Pass   | -1.99       | 22.91             | 0.19543         | 2                       | 24.90          | 0.309        | Inf               | 24.90           |
| 1900_EGPRS_200kHz_Nss1,Multislot 2 up_1TX | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 1880MHz                                   | Pass   | -1.99       | 22.85             | 0.19275         | 2                       | 24.84          | 0.305        | Inf               | 24.84           |
| 1900_EGPRS_200kHz_Nss1,Multislot 3 up_1TX | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 1880MHz                                   | Pass   | -1.99       | 22.10             | 0.16218         | 2                       | 24.09          | 0.256        | Inf               | 24.09           |
| 1900_EGPRS_200kHz_Nss1,Multislot 4 up_1TX | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 1880MHz                                   | Pass   | -1.99       | 20.87             | 0.12218         | 2                       | 22.86          | 0.193        | Inf               | 22.86           |
| 1900_EGPRS_200kHz_Nss1,Multislot 1 up_1TX | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 1909.8MHz                                 | Pass   | -1.99       | 23.01             | 0.19999         | 2                       | 25.00          | 0.316        | Inf               | 25.00           |
| 1900_EGPRS_200kHz_Nss1,Multislot 2 up_1TX | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 1909.8MHz                                 | Pass   | -1.99       | 23.00             | 0.19953         | 2                       | 24.99          | 0.316        | Inf               | 24.99           |
| 1900_EGPRS_200kHz_Nss1,Multislot 3 up_1TX | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 1909.8MHz                                 | Pass   | -1.99       | 22.26             | 0.16827         | 2                       | 24.25          | 0.266        | Inf               | 24.25           |
| 1900_EGPRS_200kHz_Nss1,Multislot 4 up_1TX | -      | -           | -                 | -               | -                       | -              | -            | -                 | -               |
| 1909.8MHz                                 | Pass   | -1.99       | 21.04             | 0.12706         | 2                       | 23.03          | 0.201        | Inf               | 23.03           |

Prate,c = Maximum Power limit.



## ***Average Power***

## ***Appendix A.1***

**Port n-P<sub>max,c</sub>** = Port n Carrier output power.

**Port n-P<sub>rte,t</sub>** = Port n Carrier total output power.

**Summary**

| Mode                          | Power<br>(dBm) | Power<br>(W) | EIRP/ERP<br>(dBm) | EIRP<br>(W) |
|-------------------------------|----------------|--------------|-------------------|-------------|
| Band 2                        | -              | -            | -                 | -           |
| WCDMA_5MHz_Nss1_1TX           | 22.48          | 0.177        | 19.97             | 0.09931     |
| HSDPA_5MHz_Nss1,Subtest 1_1TX | 22.42          | 0.175        | 19.91             | 0.09795     |
| HSDPA_5MHz_Nss1,Subtest 2_1TX | 22.44          | 0.175        | 19.93             | 0.09840     |
| HSDPA_5MHz_Nss1,Subtest 3_1TX | 22.45          | 0.176        | 19.94             | 0.09863     |
| HSDPA_5MHz_Nss1,Subtest 4_1TX | 22.48          | 0.177        | 19.97             | 0.09931     |
| HSUPA_5MHz_Nss1,Subtest 1_1TX | 19.31          | 0.085        | 16.80             | 0.04786     |
| HSUPA_5MHz_Nss1,Subtest 2_1TX | 17.50          | 0.056        | 14.99             | 0.03155     |
| HSUPA_5MHz_Nss1,Subtest 3_1TX | 18.52          | 0.071        | 16.01             | 0.03990     |
| HSUPA_5MHz_Nss1,Subtest 4_1TX | 17.79          | 0.060        | 15.28             | 0.03373     |
| HSUPA_5MHz_Nss1,Subtest 5_1TX | 22.53          | 0.179        | 20.02             | 0.10046     |
| Band 4                        | -              | -            | -                 | -           |
| WCDMA_5MHz_Nss1_1TX           | 23.29          | 0.213        | 20.56             | 0.11376     |
| HSDPA_5MHz_Nss1,Subtest 1_1TX | 22.44          | 0.175        | 19.71             | 0.09354     |
| HSDPA_5MHz_Nss1,Subtest 2_1TX | 22.49          | 0.177        | 19.76             | 0.09462     |
| HSDPA_5MHz_Nss1,Subtest 3_1TX | 22.48          | 0.177        | 19.75             | 0.09441     |
| HSDPA_5MHz_Nss1,Subtest 4_1TX | 22.50          | 0.178        | 19.77             | 0.09484     |
| HSUPA_5MHz_Nss1,Subtest 1_1TX | 19.34          | 0.086        | 16.61             | 0.04581     |
| HSUPA_5MHz_Nss1,Subtest 2_1TX | 17.54          | 0.057        | 14.81             | 0.03027     |
| HSUPA_5MHz_Nss1,Subtest 3_1TX | 18.56          | 0.072        | 15.83             | 0.03828     |
| HSUPA_5MHz_Nss1,Subtest 4_1TX | 17.83          | 0.061        | 15.10             | 0.03236     |
| HSUPA_5MHz_Nss1,Subtest 5_1TX | 22.55          | 0.180        | 19.82             | 0.09594     |
| Band 5                        | -              | -            | -                 | -           |
| WCDMA_5MHz_Nss1_1TX           | 23.63          | 0.231        | 22.94             | 0.19679     |
| HSDPA_5MHz_Nss1,Subtest 1_1TX | 22.55          | 0.180        | 21.86             | 0.15346     |
| HSDPA_5MHz_Nss1,Subtest 2_1TX | 22.50          | 0.178        | 21.81             | 0.15171     |
| HSDPA_5MHz_Nss1,Subtest 3_1TX | 22.57          | 0.181        | 21.88             | 0.15417     |
| HSDPA_5MHz_Nss1,Subtest 4_1TX | 22.54          | 0.179        | 21.85             | 0.15311     |
| HSUPA_5MHz_Nss1,Subtest 1_1TX | 20.15          | 0.104        | 19.46             | 0.08831     |
| HSUPA_5MHz_Nss1,Subtest 2_1TX | 18.63          | 0.073        | 17.94             | 0.06223     |
| HSUPA_5MHz_Nss1,Subtest 3_1TX | 19.22          | 0.084        | 18.53             | 0.07129     |
| HSUPA_5MHz_Nss1,Subtest 4_1TX | 18.40          | 0.069        | 17.71             | 0.05902     |
| HSUPA_5MHz_Nss1,Subtest 5_1TX | 22.59          | 0.182        | 21.90             | 0.15488     |



**Result**

| Mode                            | Result | DG<br>(dBi) | Port 1<br>(dBm) | Power<br>(dBm) | Power<br>(W) | Power Lim.<br>(W) | EIRP/ERP<br>(dBm) | EIRP/ERP<br>(W) | EIRP/ERP<br>Lim.<br>(W) |
|---------------------------------|--------|-------------|-----------------|----------------|--------------|-------------------|-------------------|-----------------|-------------------------|
| Band 2                          | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| WCDMA_5MHz_Nss1_1852.4          | Pass   | -2.51       | 22.48           | 22.48          | 0.177        | Inf               | 19.97             | 0.09931         | 2                       |
| WCDMA_5MHz_Nss1_1880            | Pass   | -2.51       | 22.42           | 22.42          | 0.175        | Inf               | 19.91             | 0.09795         | 2                       |
| WCDMA_5MHz_Nss1_1907.6          | Pass   | -2.51       | 22.34           | 22.34          | 0.171        | Inf               | 19.83             | 0.09616         | 2                       |
| HSDPA_5MHz_Subtest 1_1TX_1852.4 | Pass   | -2.51       | 22.42           | 22.42          | 0.175        | Inf               | 19.91             | 0.09795         | 2                       |
| HSDPA_5MHz_Subtest 2_1TX_1852.4 | Pass   | -2.51       | 22.44           | 22.44          | 0.175        | Inf               | 19.93             | 0.09840         | 2                       |
| HSDPA_5MHz_Subtest 3_1TX_1852.4 | Pass   | -2.51       | 22.44           | 22.44          | 0.175        | Inf               | 19.93             | 0.09840         | 2                       |
| HSDPA_5MHz_Subtest 4_1TX_1852.4 | Pass   | -2.51       | 22.48           | 22.48          | 0.177        | Inf               | 19.97             | 0.09931         | 2                       |
| HSDPA_5MHz_Subtest 1_1TX_1880   | Pass   | -2.51       | 20.86           | 20.86          | 0.122        | Inf               | 18.35             | 0.06839         | 2                       |
| HSDPA_5MHz_Subtest 2_1TX_1880   | Pass   | -2.51       | 22.42           | 22.42          | 0.175        | Inf               | 19.91             | 0.09795         | 2                       |
| HSDPA_5MHz_Subtest 3_1TX_1880   | Pass   | -2.51       | 22.45           | 22.45          | 0.176        | Inf               | 19.94             | 0.09863         | 2                       |
| HSDPA_5MHz_Subtest 4_1TX_1880   | Pass   | -2.51       | 22.47           | 22.47          | 0.177        | Inf               | 19.96             | 0.09908         | 2                       |
| HSDPA_5MHz_Subtest 1_1TX_1907.6 | Pass   | -2.51       | 22.36           | 22.36          | 0.172        | Inf               | 19.85             | 0.09661         | 2                       |
| HSDPA_5MHz_Subtest 2_1TX_1907.6 | Pass   | -2.51       | 22.36           | 22.36          | 0.172        | Inf               | 19.85             | 0.09661         | 2                       |
| HSDPA_5MHz_Subtest 3_1TX_1907.6 | Pass   | -2.51       | 22.44           | 22.44          | 0.175        | Inf               | 19.93             | 0.09840         | 2                       |
| HSDPA_5MHz_Subtest 4_1TX_1907.6 | Pass   | -2.51       | 22.42           | 22.42          | 0.175        | Inf               | 19.91             | 0.09795         | 2                       |
| HSUPA_5MHz_Subtest 1_1TX_1852.4 | Pass   | -2.51       | 19.31           | 19.31          | 0.085        | Inf               | 16.80             | 0.04786         | 2                       |
| HSUPA_5MHz_Subtest 2_1TX_1852.4 | Pass   | -2.51       | 17.50           | 17.50          | 0.056        | Inf               | 14.99             | 0.03155         | 2                       |
| HSUPA_5MHz_Subtest 3_1TX_1852.4 | Pass   | -2.51       | 18.51           | 18.51          | 0.071        | Inf               | 16.00             | 0.03981         | 2                       |
| HSUPA_5MHz_Subtest 4_1TX_1852.4 | Pass   | -2.51       | 17.79           | 17.79          | 0.060        | Inf               | 15.28             | 0.03373         | 2                       |
| HSUPA_5MHz_Subtest 5_1TX_1852.4 | Pass   | -2.51       | 22.53           | 22.53          | 0.179        | Inf               | 20.02             | 0.10046         | 2                       |
| HSUPA_5MHz_Subtest 1_1TX_1880   | Pass   | -2.51       | 19.27           | 19.27          | 0.085        | Inf               | 16.76             | 0.04742         | 2                       |
| HSUPA_5MHz_Subtest 2_1TX_1880   | Pass   | -2.51       | 17.44           | 17.44          | 0.055        | Inf               | 14.93             | 0.03112         | 2                       |
| HSUPA_5MHz_Subtest 3_1TX_1880   | Pass   | -2.51       | 18.52           | 18.52          | 0.071        | Inf               | 16.01             | 0.03990         | 2                       |
| HSUPA_5MHz_Subtest 4_1TX_1880   | Pass   | -2.51       | 17.77           | 17.77          | 0.060        | Inf               | 15.26             | 0.03357         | 2                       |
| HSUPA_5MHz_Subtest 5_1TX_1880   | Pass   | -2.51       | 22.51           | 22.51          | 0.178        | Inf               | 20.00             | 0.10000         | 2                       |
| HSUPA_5MHz_Subtest 1_1TX_1907.6 | Pass   | -2.51       | 19.23           | 19.23          | 0.084        | Inf               | 16.72             | 0.04699         | 2                       |
| HSUPA_5MHz_Subtest 2_1TX_1907.6 | Pass   | -2.51       | 17.34           | 17.34          | 0.054        | Inf               | 14.83             | 0.03041         | 2                       |
| HSUPA_5MHz_Subtest 3_1TX_1907.6 | Pass   | -2.51       | 18.48           | 18.48          | 0.070        | Inf               | 15.97             | 0.03954         | 2                       |
| HSUPA_5MHz_Subtest 4_1TX_1907.6 | Pass   | -2.51       | 17.71           | 17.71          | 0.059        | Inf               | 15.20             | 0.03311         | 2                       |
| HSUPA_5MHz_Subtest 5_1TX_1907.6 | Pass   | -2.51       | 22.45           | 22.45          | 0.176        | Inf               | 19.94             | 0.09863         | 2                       |
| Band 4                          | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| WCDMA_5MHz_Nss1_1712.4          | Pass   | -2.73       | 23.29           | 23.29          | 0.213        | Inf               | 20.56             | 0.11376         | 1                       |
| WCDMA_5MHz_Nss1_1732.6          | Pass   | -2.73       | 23.06           | 23.06          | 0.202        | Inf               | 20.33             | 0.10789         | 1                       |
| WCDMA_5MHz_Nss1_1752.6          | Pass   | -2.73       | 23.04           | 23.04          | 0.201        | Inf               | 20.31             | 0.10740         | 1                       |
| HSDPA_5MHz_Subtest 1_1TX_1712.4 | Pass   | -2.73       | 22.44           | 22.44          | 0.175        | Inf               | 19.71             | 0.09354         | 1                       |
| HSDPA_5MHz_Subtest 2_1TX_1712.4 | Pass   | -2.73       | 22.49           | 22.49          | 0.177        | Inf               | 19.76             | 0.09462         | 1                       |
| HSDPA_5MHz_Subtest 3_1TX_1712.4 | Pass   | -2.73       | 22.48           | 22.48          | 0.177        | Inf               | 19.75             | 0.09441         | 1                       |
| HSDPA_5MHz_Subtest 4_1TX_1712.4 | Pass   | -2.73       | 22.50           | 22.50          | 0.178        | Inf               | 19.77             | 0.09484         | 1                       |
| HSDPA_5MHz_Subtest 1_1TX_1732.6 | Pass   | -2.73       | 22.22           | 22.22          | 0.167        | Inf               | 19.49             | 0.08892         | 1                       |
| HSDPA_5MHz_Subtest 2_1TX_1732.6 | Pass   | -2.73       | 22.30           | 22.30          | 0.170        | Inf               | 19.57             | 0.09057         | 1                       |
| HSDPA_5MHz_Subtest 3_1TX_1732.6 | Pass   | -2.73       | 22.30           | 22.30          | 0.170        | Inf               | 19.57             | 0.09057         | 1                       |
| HSDPA_5MHz_Subtest 4_1TX_1732.6 | Pass   | -2.73       | 22.28           | 22.28          | 0.169        | Inf               | 19.55             | 0.09016         | 1                       |
| HSDPA_5MHz_Subtest 1_1TX_1752.6 | Pass   | -2.73       | 22.21           | 22.21          | 0.166        | Inf               | 19.48             | 0.08872         | 1                       |
| HSDPA_5MHz_Subtest 2_1TX_1752.6 | Pass   | -2.73       | 22.27           | 22.27          | 0.169        | Inf               | 19.54             | 0.08995         | 1                       |
| HSDPA_5MHz_Subtest 3_1TX_1752.6 | Pass   | -2.73       | 22.27           | 22.27          | 0.169        | Inf               | 19.54             | 0.08995         | 1                       |
| HSDPA_5MHz_Subtest 4_1TX_1752.6 | Pass   | -2.73       | 22.27           | 22.27          | 0.169        | Inf               | 19.54             | 0.08995         | 1                       |
| HSUPA_5MHz_Subtest 1_1TX_1712.4 | Pass   | -2.73       | 19.34           | 19.34          | 0.086        | Inf               | 16.61             | 0.04581         | 1                       |



## Average Power

## Appendix A.2

| Mode                            | Result | DG<br>(dBi) | Port 1<br>(dBm) | Power<br>(dBm) | Power<br>(W) | Power Lim.<br>(W) | EIRP/ERP<br>(dBm) | EIRP/ERP<br>(W) | EIRP/ERP<br>Lim.<br>(W) |
|---------------------------------|--------|-------------|-----------------|----------------|--------------|-------------------|-------------------|-----------------|-------------------------|
| HSUPA_5MHz_Subtest 2_1TX_1712.4 | Pass   | -2.73       | 17.54           | 17.54          | 0.057        | Inf               | 14.81             | 0.03027         | 1                       |
| HSUPA_5MHz_Subtest 3_1TX_1712.4 | Pass   | -2.73       | 18.56           | 18.56          | 0.072        | Inf               | 15.83             | 0.03828         | 1                       |
| HSUPA_5MHz_Subtest 4_1TX_1712.4 | Pass   | -2.73       | 17.83           | 17.83          | 0.061        | Inf               | 15.10             | 0.03236         | 1                       |
| HSUPA_5MHz_Subtest 5_1TX_1712.4 | Pass   | -2.73       | 22.55           | 22.55          | 0.180        | Inf               | 19.82             | 0.09594         | 1                       |
| HSUPA_5MHz_Subtest 1_1TX_1732.6 | Pass   | -2.73       | 19.15           | 19.15          | 0.082        | Inf               | 16.42             | 0.04385         | 1                       |
| HSUPA_5MHz_Subtest 2_1TX_1732.6 | Pass   | -2.73       | 17.35           | 17.35          | 0.054        | Inf               | 14.62             | 0.02897         | 1                       |
| HSUPA_5MHz_Subtest 3_1TX_1732.6 | Pass   | -2.73       | 18.41           | 18.41          | 0.069        | Inf               | 15.68             | 0.03698         | 1                       |
| HSUPA_5MHz_Subtest 4_1TX_1732.6 | Pass   | -2.73       | 17.64           | 17.64          | 0.058        | Inf               | 14.91             | 0.03097         | 1                       |
| HSUPA_5MHz_Subtest 5_1TX_1732.6 | Pass   | -2.73       | 22.33           | 22.33          | 0.171        | Inf               | 19.60             | 0.09120         | 1                       |
| HSUPA_5MHz_Subtest 1_1TX_1752.6 | Pass   | -2.73       | 19.09           | 19.09          | 0.081        | Inf               | 16.36             | 0.04325         | 1                       |
| HSUPA_5MHz_Subtest 2_1TX_1752.6 | Pass   | -2.73       | 17.30           | 17.30          | 0.054        | Inf               | 14.57             | 0.02864         | 1                       |
| HSUPA_5MHz_Subtest 3_1TX_1752.6 | Pass   | -2.73       | 18.33           | 18.33          | 0.068        | Inf               | 15.60             | 0.03631         | 1                       |
| HSUPA_5MHz_Subtest 4_1TX_1752.6 | Pass   | -2.73       | 17.59           | 17.59          | 0.057        | Inf               | 14.86             | 0.03062         | 1                       |
| HSUPA_5MHz_Subtest 5_1TX_1752.6 | Pass   | -2.73       | 22.30           | 22.30          | 0.170        | Inf               | 19.57             | 0.09057         | 1                       |
| Band 5                          | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| WCDMA_5MHz_Nss1_826.4           | Pass   | 1.46        | 23.47           | 23.47          | 0.222        | Inf               | 22.78             | 0.18967         | 7                       |
| WCDMA_5MHz_Nss1_836.4           | Pass   | 1.46        | 23.63           | 23.63          | 0.231        | Inf               | 22.94             | 0.19679         | 7                       |
| WCDMA_5MHz_Nss1_846.6           | Pass   | 1.46        | 23.49           | 23.49          | 0.223        | Inf               | 22.80             | 0.19055         | 7                       |
| HSDPA_5MHz_Subtest 1_1TX_826.4  | Pass   | 1.46        | 22.36           | 22.36          | 0.172        | Inf               | 21.67             | 0.14689         | 7                       |
| HSDPA_5MHz_Subtest 2_1TX_826.4  | Pass   | 1.46        | 22.30           | 22.30          | 0.170        | Inf               | 21.61             | 0.14488         | 7                       |
| HSDPA_5MHz_Subtest 3_1TX_826.4  | Pass   | 1.46        | 22.39           | 22.39          | 0.173        | Inf               | 21.70             | 0.14791         | 7                       |
| HSDPA_5MHz_Subtest 4_1TX_826.4  | Pass   | 1.46        | 22.35           | 22.35          | 0.172        | Inf               | 21.66             | 0.14655         | 7                       |
| HSDPA_5MHz_Subtest 1_1TX_836.4  | Pass   | 1.46        | 22.55           | 22.55          | 0.180        | Inf               | 21.86             | 0.15346         | 7                       |
| HSDPA_5MHz_Subtest 2_1TX_836.4  | Pass   | 1.46        | 22.50           | 22.50          | 0.178        | Inf               | 21.81             | 0.15171         | 7                       |
| HSDPA_5MHz_Subtest 3_1TX_836.4  | Pass   | 1.46        | 22.57           | 22.57          | 0.181        | Inf               | 21.88             | 0.15417         | 7                       |
| HSDPA_5MHz_Subtest 4_1TX_836.4  | Pass   | 1.46        | 22.54           | 22.54          | 0.179        | Inf               | 21.85             | 0.15311         | 7                       |
| HSDPA_5MHz_Subtest 1_1TX_846.6  | Pass   | 1.46        | 22.45           | 22.45          | 0.176        | Inf               | 21.76             | 0.14997         | 7                       |
| HSDPA_5MHz_Subtest 2_1TX_846.6  | Pass   | 1.46        | 22.42           | 22.42          | 0.175        | Inf               | 21.73             | 0.14894         | 7                       |
| HSDPA_5MHz_Subtest 3_1TX_846.6  | Pass   | 1.46        | 22.47           | 22.47          | 0.177        | Inf               | 21.78             | 0.15066         | 7                       |
| HSDPA_5MHz_Subtest 4_1TX_846.6  | Pass   | 1.46        | 22.49           | 22.49          | 0.177        | Inf               | 21.80             | 0.15136         | 7                       |
| HSUPA_5MHz_Subtest 1_1TX_826.4  | Pass   | 1.46        | 19.28           | 19.28          | 0.085        | Inf               | 18.59             | 0.07228         | 7                       |
| HSUPA_5MHz_Subtest 2_1TX_826.4  | Pass   | 1.46        | 17.43           | 17.43          | 0.055        | Inf               | 16.74             | 0.04721         | 7                       |
| HSUPA_5MHz_Subtest 3_1TX_826.4  | Pass   | 1.46        | 18.50           | 18.50          | 0.071        | Inf               | 17.81             | 0.06039         | 7                       |
| HSUPA_5MHz_Subtest 4_1TX_826.4  | Pass   | 1.46        | 17.76           | 17.76          | 0.060        | Inf               | 17.07             | 0.05093         | 7                       |
| HSUPA_5MHz_Subtest 5_1TX_826.4  | Pass   | 1.46        | 22.44           | 22.44          | 0.175        | Inf               | 21.75             | 0.14962         | 7                       |
| HSUPA_5MHz_Subtest 1_1TX_836.4  | Pass   | 1.46        | 20.15           | 20.15          | 0.104        | Inf               | 19.46             | 0.08831         | 7                       |
| HSUPA_5MHz_Subtest 2_1TX_836.4  | Pass   | 1.46        | 18.63           | 18.63          | 0.073        | Inf               | 17.94             | 0.06223         | 7                       |
| HSUPA_5MHz_Subtest 3_1TX_836.4  | Pass   | 1.46        | 19.22           | 19.22          | 0.084        | Inf               | 18.53             | 0.07129         | 7                       |
| HSUPA_5MHz_Subtest 4_1TX_836.4  | Pass   | 1.46        | 18.40           | 18.40          | 0.069        | Inf               | 17.71             | 0.05902         | 7                       |
| HSUPA_5MHz_Subtest 5_1TX_836.4  | Pass   | 1.46        | 22.59           | 22.59          | 0.182        | Inf               | 21.90             | 0.15488         | 7                       |
| HSUPA_5MHz_Subtest 1_1TX_846.6  | Pass   | 1.46        | 19.32           | 19.32          | 0.086        | Inf               | 18.63             | 0.07295         | 7                       |
| HSUPA_5MHz_Subtest 2_1TX_846.6  | Pass   | 1.46        | 17.52           | 17.52          | 0.056        | Inf               | 16.83             | 0.04819         | 7                       |
| HSUPA_5MHz_Subtest 3_1TX_846.6  | Pass   | 1.46        | 18.60           | 18.60          | 0.072        | Inf               | 17.91             | 0.06180         | 7                       |
| HSUPA_5MHz_Subtest 4_1TX_846.6  | Pass   | 1.46        | 17.88           | 17.88          | 0.061        | Inf               | 17.19             | 0.05236         | 7                       |
| HSUPA_5MHz_Subtest 5_1TX_846.6  | Pass   | 1.46        | 22.56           | 22.56          | 0.180        | Inf               | 21.87             | 0.15382         | 7                       |

DG = Directional Gain; Port n = Port n output power

**Summary**

| Mode                      | Power<br>(dBm) | Power<br>(W) | EIRP/ERP<br>(dBm) | EIRP<br>(W) |
|---------------------------|----------------|--------------|-------------------|-------------|
| Band 2                    | -              | -            | -                 | -           |
| LTE_1.4MHz_Nss1,QPSK_1TX  | 22.10          | 0.162        | 19.59             | 0.09099     |
| LTE_3MHz_Nss1,QPSK_1TX    | 22.20          | 0.166        | 19.69             | 0.09311     |
| LTE_5MHz_Nss1,QPSK_1TX    | 21.79          | 0.151        | 19.28             | 0.08472     |
| LTE_10MHz_Nss1,QPSK_1TX   | 21.95          | 0.157        | 19.44             | 0.08790     |
| LTE_15MHz_Nss1,QPSK_1TX   | 21.91          | 0.155        | 19.40             | 0.08710     |
| LTE_20MHz_Nss1,QPSK_1TX   | 21.77          | 0.150        | 19.26             | 0.08433     |
| LTE_1.4MHz_Nss1,16QAM_1TX | 21.38          | 0.137        | 18.87             | 0.07709     |
| LTE_3MHz_Nss1,16QAM_1TX   | 21.38          | 0.137        | 18.87             | 0.07709     |
| LTE_5MHz_Nss1,16QAM_1TX   | 21.08          | 0.128        | 18.57             | 0.07194     |
| LTE_10MHz_Nss1,16QAM_1TX  | 21.26          | 0.134        | 18.75             | 0.07499     |
| LTE_15MHz_Nss1,16QAM_1TX  | 21.28          | 0.134        | 18.77             | 0.07534     |
| LTE_20MHz_Nss1,16QAM_1TX  | 21.15          | 0.130        | 18.64             | 0.07311     |
| LTE_1.4MHz_Nss1,64QAM_1TX | 21.49          | 0.141        | 18.98             | 0.07907     |
| LTE_3MHz_Nss1,64QAM_1TX   | 21.25          | 0.133        | 18.74             | 0.07482     |
| LTE_5MHz_Nss1,64QAM_1TX   | 21.12          | 0.129        | 18.61             | 0.07261     |
| LTE_10MHz_Nss1,64QAM_1TX  | 21.21          | 0.132        | 18.70             | 0.07413     |
| LTE_15MHz_Nss1,64QAM_1TX  | 20.98          | 0.125        | 18.47             | 0.07031     |
| LTE_20MHz_Nss1,64QAM_1TX  | 21.11          | 0.129        | 18.60             | 0.07244     |
| Band 4                    | -              | -            | -                 | -           |
| LTE_1.4MHz_Nss1,QPSK_1TX  | 22.18          | 0.165        | 19.45             | 0.08810     |
| LTE_3MHz_Nss1,QPSK_1TX    | 22.05          | 0.160        | 19.32             | 0.08551     |
| LTE_5MHz_Nss1,QPSK_1TX    | 21.79          | 0.151        | 19.06             | 0.08054     |
| LTE_10MHz_Nss1,QPSK_1TX   | 22.02          | 0.159        | 19.29             | 0.08492     |
| LTE_15MHz_Nss1,QPSK_1TX   | 21.67          | 0.147        | 18.94             | 0.07834     |
| LTE_20MHz_Nss1,QPSK_1TX   | 21.70          | 0.148        | 18.97             | 0.07889     |
| LTE_1.4MHz_Nss1,16QAM_1TX | 21.23          | 0.133        | 18.50             | 0.07079     |
| LTE_3MHz_Nss1,16QAM_1TX   | 21.31          | 0.135        | 18.58             | 0.07211     |
| LTE_5MHz_Nss1,16QAM_1TX   | 21.13          | 0.130        | 18.40             | 0.06918     |
| LTE_10MHz_Nss1,16QAM_1TX  | 21.34          | 0.136        | 18.61             | 0.07261     |
| LTE_15MHz_Nss1,16QAM_1TX  | 20.88          | 0.122        | 18.15             | 0.06531     |
| LTE_20MHz_Nss1,16QAM_1TX  | 20.87          | 0.122        | 18.14             | 0.06516     |
| LTE_1.4MHz_Nss1,64QAM_1TX | 21.26          | 0.134        | 18.53             | 0.07129     |
| LTE_3MHz_Nss1,64QAM_1TX   | 21.06          | 0.128        | 18.33             | 0.06808     |
| LTE_5MHz_Nss1,64QAM_1TX   | 20.91          | 0.123        | 18.18             | 0.06577     |
| LTE_10MHz_Nss1,64QAM_1TX  | 20.85          | 0.122        | 18.12             | 0.06486     |
| LTE_15MHz_Nss1,64QAM_1TX  | 20.81          | 0.121        | 18.08             | 0.06427     |
| LTE_20MHz_Nss1,64QAM_1TX  | 20.61          | 0.115        | 17.88             | 0.06138     |
| Band 5                    | -              | -            | -                 | -           |
| LTE_1.4MHz_Nss1,QPSK_1TX  | 22.49          | 0.177        | 21.80             | 0.15136     |
| LTE_3MHz_Nss1,QPSK_1TX    | 22.44          | 0.175        | 21.75             | 0.14962     |
| LTE_5MHz_Nss1,QPSK_1TX    | 22.03          | 0.160        | 21.34             | 0.13614     |
| LTE_10MHz_Nss1,QPSK_1TX   | 22.24          | 0.167        | 21.55             | 0.14289     |
| LTE_1.4MHz_Nss1,16QAM_1TX | 21.76          | 0.150        | 21.07             | 0.12794     |
| LTE_3MHz_Nss1,16QAM_1TX   | 21.66          | 0.147        | 20.97             | 0.12503     |
| LTE_5MHz_Nss1,16QAM_1TX   | 21.31          | 0.135        | 20.62             | 0.11535     |
| LTE_10MHz_Nss1,16QAM_1TX  | 21.59          | 0.144        | 20.90             | 0.12303     |
| LTE_1.4MHz_Nss1,64QAM_1TX | 21.55          | 0.143        | 20.86             | 0.12190     |



## Average Power

## Appendix A.3

| Mode                      | Power<br>(dBm) | Power<br>(W) | EIRP/ERP<br>(dBm) | EIRP<br>(W) |
|---------------------------|----------------|--------------|-------------------|-------------|
| LTE_3MHz_Nss1,64QAM_1TX   | 21.53          | 0.142        | 20.84             | 0.12134     |
| LTE_5MHz_Nss1,64QAM_1TX   | 21.15          | 0.130        | 20.46             | 0.11117     |
| LTE_10MHz_Nss1,64QAM_1TX  | 21.27          | 0.134        | 20.58             | 0.11429     |
| Band 7                    | -              | -            | -                 | -           |
| LTE_5MHz_Nss1,QPSK_1TX    | 20.18          | 0.104        | 17.22             | 0.05272     |
| LTE_10MHz_Nss1,QPSK_1TX   | 20.37          | 0.109        | 17.41             | 0.05508     |
| LTE_15MHz_Nss1,QPSK_1TX   | 20.17          | 0.104        | 17.21             | 0.05260     |
| LTE_20MHz_Nss1,QPSK_1TX   | 20.11          | 0.103        | 17.15             | 0.05188     |
| LTE_5MHz_Nss1,16QAM_1TX   | 19.62          | 0.092        | 16.66             | 0.04634     |
| LTE_10MHz_Nss1,16QAM_1TX  | 19.65          | 0.092        | 16.69             | 0.04667     |
| LTE_15MHz_Nss1,16QAM_1TX  | 19.50          | 0.089        | 16.54             | 0.04508     |
| LTE_20MHz_Nss1,16QAM_1TX  | 19.51          | 0.089        | 16.55             | 0.04519     |
| LTE_5MHz_Nss1,64QAM_1TX   | 19.41          | 0.087        | 16.45             | 0.04416     |
| LTE_10MHz_Nss1,64QAM_1TX  | 19.63          | 0.092        | 16.67             | 0.04645     |
| LTE_15MHz_Nss1,64QAM_1TX  | 19.39          | 0.087        | 16.43             | 0.04395     |
| LTE_20MHz_Nss1,64QAM_1TX  | 19.42          | 0.087        | 16.46             | 0.04426     |
| Band 12                   | -              | -            | -                 | -           |
| LTE_1.4MHz_Nss1,QPSK_1TX  | 22.25          | 0.168        | 22.06             | 0.16069     |
| LTE_3MHz_Nss1,QPSK_1TX    | 22.22          | 0.167        | 22.03             | 0.15959     |
| LTE_5MHz_Nss1,QPSK_1TX    | 21.84          | 0.153        | 21.65             | 0.14622     |
| LTE_10MHz_Nss1,QPSK_1TX   | 22.02          | 0.159        | 21.83             | 0.15241     |
| LTE_1.4MHz_Nss1,16QAM_1TX | 21.41          | 0.138        | 21.22             | 0.13243     |
| LTE_3MHz_Nss1,16QAM_1TX   | 21.47          | 0.140        | 21.28             | 0.13428     |
| LTE_5MHz_Nss1,16QAM_1TX   | 21.09          | 0.129        | 20.90             | 0.12303     |
| LTE_10MHz_Nss1,16QAM_1TX  | 21.25          | 0.133        | 21.06             | 0.12764     |
| LTE_1.4MHz_Nss1,64QAM_1TX | 21.30          | 0.135        | 21.11             | 0.12912     |
| LTE_3MHz_Nss1,64QAM_1TX   | 21.48          | 0.141        | 21.29             | 0.13459     |
| LTE_5MHz_Nss1,64QAM_1TX   | 21.04          | 0.127        | 20.85             | 0.12162     |
| LTE_10MHz_Nss1,64QAM_1TX  | 21.16          | 0.131        | 20.97             | 0.12503     |
| Band 13                   | -              | -            | -                 | -           |
| LTE_5MHz_Nss1,QPSK_1TX    | 21.97          | 0.157        | 21.78             | 0.15066     |
| LTE_10MHz_Nss1,QPSK_1TX   | 22.02          | 0.159        | 21.83             | 0.15241     |
| LTE_5MHz_Nss1,16QAM_1TX   | 21.25          | 0.133        | 21.06             | 0.12764     |
| LTE_10MHz_Nss1,16QAM_1TX  | 20.92          | 0.124        | 20.73             | 0.11830     |
| LTE_5MHz_Nss1,64QAM_1TX   | 21.15          | 0.130        | 20.96             | 0.12474     |
| LTE_10MHz_Nss1,64QAM_1TX  | 20.88          | 0.122        | 20.69             | 0.11722     |

**Result**

| Mode                            | Result | DG<br>(dB) | Port 1<br>(dBm) | Power<br>(dBm) | Power<br>(W) | Power Lim.<br>(W) | EIRP/ERP<br>(dBm) | EIRP/ERP<br>(W) | EIRP/ERP<br>Lim.<br>(W) |
|---------------------------------|--------|------------|-----------------|----------------|--------------|-------------------|-------------------|-----------------|-------------------------|
| Band 2_LTE_1.4MHz_Nss1,QPSK_1TX | -      | -          | -               | -              | -            | -                 | -                 | -               | -                       |
| 1850.7MHz_RB 6,#RB 0            | Pass   | -2.51      | 21.01           | 21.01          | 0.126        | Inf               | 18.50             | 0.07079         | 2                       |
| 1850.7MHz_RB 1,#RB L            | Pass   | -2.51      | 22.10           | 22.10          | 0.162        | Inf               | 19.59             | 0.09099         | 2                       |
| 1850.7MHz_RB 1,#RB M            | Pass   | -2.51      | 21.63           | 21.63          | 0.146        | Inf               | 19.12             | 0.08166         | 2                       |
| 1850.7MHz_RB 1,#RB H            | Pass   | -2.51      | 22.07           | 22.07          | 0.161        | Inf               | 19.56             | 0.09036         | 2                       |
| 1850.7MHz_RB 3,#RB L            | Pass   | -2.51      | 21.99           | 21.99          | 0.158        | Inf               | 19.48             | 0.08872         | 2                       |
| 1850.7MHz_RB 3,#RB M            | Pass   | -2.51      | 21.88           | 21.88          | 0.154        | Inf               | 19.37             | 0.08650         | 2                       |
| 1850.7MHz_RB 3,#RB H            | Pass   | -2.51      | 21.95           | 21.95          | 0.157        | Inf               | 19.44             | 0.08790         | 2                       |
| 1880MHz_RB 6,#RB 0              | Pass   | -2.51      | 20.87           | 20.87          | 0.122        | Inf               | 18.36             | 0.06855         | 2                       |
| 1880MHz_RB 1,#RB L              | Pass   | -2.51      | 21.99           | 21.99          | 0.158        | Inf               | 19.48             | 0.08872         | 2                       |
| 1880MHz_RB 1,#RB M              | Pass   | -2.51      | 21.53           | 21.53          | 0.142        | Inf               | 19.02             | 0.07980         | 2                       |
| 1880MHz_RB 1,#RB H              | Pass   | -2.51      | 21.91           | 21.91          | 0.155        | Inf               | 19.40             | 0.08710         | 2                       |
| 1880MHz_RB 3,#RB L              | Pass   | -2.51      | 21.88           | 21.88          | 0.154        | Inf               | 19.37             | 0.08650         | 2                       |
| 1880MHz_RB 3,#RB M              | Pass   | -2.51      | 21.71           | 21.71          | 0.148        | Inf               | 19.20             | 0.08318         | 2                       |
| 1880MHz_RB 3,#RB H              | Pass   | -2.51      | 21.91           | 21.91          | 0.155        | Inf               | 19.40             | 0.08710         | 2                       |
| 1909.3MHz_RB 6,#RB 0            | Pass   | -2.51      | 20.71           | 20.71          | 0.118        | Inf               | 18.20             | 0.06607         | 2                       |
| 1909.3MHz_RB 1,#RB L            | Pass   | -2.51      | 21.83           | 21.83          | 0.152        | Inf               | 19.32             | 0.08551         | 2                       |
| 1909.3MHz_RB 1,#RB M            | Pass   | -2.51      | 21.59           | 21.59          | 0.144        | Inf               | 19.08             | 0.08091         | 2                       |
| 1909.3MHz_RB 1,#RB H            | Pass   | -2.51      | 21.84           | 21.84          | 0.153        | Inf               | 19.33             | 0.08570         | 2                       |
| 1909.3MHz_RB 3,#RB L            | Pass   | -2.51      | 21.74           | 21.74          | 0.149        | Inf               | 19.23             | 0.08375         | 2                       |
| 1909.3MHz_RB 3,#RB M            | Pass   | -2.51      | 21.54           | 21.54          | 0.143        | Inf               | 19.03             | 0.07998         | 2                       |
| 1909.3MHz_RB 3,#RB H            | Pass   | -2.51      | 21.72           | 21.72          | 0.149        | Inf               | 19.21             | 0.08337         | 2                       |
| Band 2_LTE_3MHz_Nss1,QPSK_1TX   | -      | -          | -               | -              | -            | -                 | -                 | -               | -                       |
| 1851.5MHz_RB 15,#RB 0           | Pass   | -2.51      | 21.02           | 21.02          | 0.126        | Inf               | 18.51             | 0.07096         | 2                       |
| 1851.5MHz_RB 1,#RB L            | Pass   | -2.51      | 22.03           | 22.03          | 0.160        | Inf               | 19.52             | 0.08954         | 2                       |
| 1851.5MHz_RB 1,#RB M            | Pass   | -2.51      | 22.20           | 22.20          | 0.166        | Inf               | 19.69             | 0.09311         | 2                       |
| 1851.5MHz_RB 1,#RB H            | Pass   | -2.51      | 21.79           | 21.79          | 0.151        | Inf               | 19.28             | 0.08472         | 2                       |
| 1851.5MHz_RB 8,#RB L            | Pass   | -2.51      | 21.01           | 21.01          | 0.126        | Inf               | 18.50             | 0.07079         | 2                       |
| 1851.5MHz_RB 8,#RB M            | Pass   | -2.51      | 21.00           | 21.00          | 0.126        | Inf               | 18.49             | 0.07063         | 2                       |
| 1851.5MHz_RB 8,#RB H            | Pass   | -2.51      | 21.03           | 21.03          | 0.127        | Inf               | 18.52             | 0.07112         | 2                       |
| 1880MHz_RB 15,#RB 0             | Pass   | -2.51      | 20.87           | 20.87          | 0.122        | Inf               | 18.36             | 0.06855         | 2                       |
| 1880MHz_RB 1,#RB L              | Pass   | -2.51      | 22.15           | 22.15          | 0.164        | Inf               | 19.64             | 0.09204         | 2                       |
| 1880MHz_RB 1,#RB M              | Pass   | -2.51      | 22.08           | 22.08          | 0.161        | Inf               | 19.57             | 0.09057         | 2                       |
| 1880MHz_RB 1,#RB H              | Pass   | -2.51      | 21.84           | 21.84          | 0.153        | Inf               | 19.33             | 0.08570         | 2                       |
| 1880MHz_RB 8,#RB L              | Pass   | -2.51      | 20.91           | 20.91          | 0.123        | Inf               | 18.40             | 0.06918         | 2                       |
| 1880MHz_RB 8,#RB M              | Pass   | -2.51      | 20.91           | 20.91          | 0.123        | Inf               | 18.40             | 0.06918         | 2                       |
| 1880MHz_RB 8,#RB H              | Pass   | -2.51      | 20.96           | 20.96          | 0.125        | Inf               | 18.45             | 0.06998         | 2                       |
| 1908.5MHz_RB 15,#RB 0           | Pass   | -2.51      | 20.75           | 20.75          | 0.119        | Inf               | 18.24             | 0.06668         | 2                       |
| 1908.5MHz_RB 1,#RB L            | Pass   | -2.51      | 21.70           | 21.70          | 0.148        | Inf               | 19.19             | 0.08299         | 2                       |
| 1908.5MHz_RB 1,#RB M            | Pass   | -2.51      | 21.84           | 21.84          | 0.153        | Inf               | 19.33             | 0.08570         | 2                       |
| 1908.5MHz_RB 1,#RB H            | Pass   | -2.51      | 21.82           | 21.82          | 0.152        | Inf               | 19.31             | 0.08531         | 2                       |
| 1908.5MHz_RB 8,#RB L            | Pass   | -2.51      | 20.72           | 20.72          | 0.118        | Inf               | 18.21             | 0.06622         | 2                       |
| 1908.5MHz_RB 8,#RB M            | Pass   | -2.51      | 20.83           | 20.83          | 0.121        | Inf               | 18.32             | 0.06792         | 2                       |
| 1908.5MHz_RB 8,#RB H            | Pass   | -2.51      | 20.78           | 20.78          | 0.120        | Inf               | 18.27             | 0.06714         | 2                       |
| Band 2_LTE_5MHz_Nss1,QPSK_1TX   | -      | -          | -               | -              | -            | -                 | -                 | -               | -                       |
| 1852.5MHz_RB 25,#RB 0           | Pass   | -2.51      | 20.86           | 20.86          | 0.122        | Inf               | 18.35             | 0.06839         | 2                       |
| 1852.5MHz_RB 1,#RB L            | Pass   | -2.51      | 21.68           | 21.68          | 0.147        | Inf               | 19.17             | 0.08260         | 2                       |
| 1852.5MHz_RB 1,#RB M            | Pass   | -2.51      | 21.79           | 21.79          | 0.151        | Inf               | 19.28             | 0.08472         | 2                       |



## Average Power

## Appendix A.3

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm) | Power<br>(dBm) | Power<br>(W) | Power Lim.<br>(W) | EIRP/ERP<br>(dBm) | EIRP/ERP<br>(W) | EIRP/ERP<br>Lim.<br>(W) |
|--------------------------------|--------|-------------|-----------------|----------------|--------------|-------------------|-------------------|-----------------|-------------------------|
| 1852.5MHz_RB 1,#RB H           | Pass   | -2.51       | 21.63           | 21.63          | 0.146        | Inf               | 19.12             | 0.08166         | 2                       |
| 1852.5MHz_RB 12,#RB L          | Pass   | -2.51       | 20.92           | 20.92          | 0.124        | Inf               | 18.41             | 0.06934         | 2                       |
| 1852.5MHz_RB 12,#RB M          | Pass   | -2.51       | 20.82           | 20.82          | 0.121        | Inf               | 18.31             | 0.06776         | 2                       |
| 1852.5MHz_RB 12,#RB H          | Pass   | -2.51       | 20.90           | 20.90          | 0.123        | Inf               | 18.39             | 0.06902         | 2                       |
| 1880MHz_RB 25,#RB 0            | Pass   | -2.51       | 20.73           | 20.73          | 0.118        | Inf               | 18.22             | 0.06637         | 2                       |
| 1880MHz_RB 1,#RB L             | Pass   | -2.51       | 21.61           | 21.61          | 0.145        | Inf               | 19.10             | 0.08128         | 2                       |
| 1880MHz_RB 1,#RB M             | Pass   | -2.51       | 21.65           | 21.65          | 0.146        | Inf               | 19.14             | 0.08204         | 2                       |
| 1880MHz_RB 1,#RB H             | Pass   | -2.51       | 21.62           | 21.62          | 0.145        | Inf               | 19.11             | 0.08147         | 2                       |
| 1880MHz_RB 12,#RB L            | Pass   | -2.51       | 20.74           | 20.74          | 0.119        | Inf               | 18.23             | 0.06653         | 2                       |
| 1880MHz_RB 12,#RB M            | Pass   | -2.51       | 20.70           | 20.70          | 0.117        | Inf               | 18.19             | 0.06592         | 2                       |
| 1880MHz_RB 12,#RB H            | Pass   | -2.51       | 20.66           | 20.66          | 0.116        | Inf               | 18.15             | 0.06531         | 2                       |
| 1907.5MHz_RB 25,#RB 0          | Pass   | -2.51       | 20.61           | 20.61          | 0.115        | Inf               | 18.10             | 0.06457         | 2                       |
| 1907.5MHz_RB 1,#RB L           | Pass   | -2.51       | 21.48           | 21.48          | 0.141        | Inf               | 18.97             | 0.07889         | 2                       |
| 1907.5MHz_RB 1,#RB M           | Pass   | -2.51       | 21.53           | 21.53          | 0.142        | Inf               | 19.02             | 0.07980         | 2                       |
| 1907.5MHz_RB 1,#RB H           | Pass   | -2.51       | 21.39           | 21.39          | 0.138        | Inf               | 18.88             | 0.07727         | 2                       |
| 1907.5MHz_RB 12,#RB L          | Pass   | -2.51       | 20.60           | 20.60          | 0.115        | Inf               | 18.09             | 0.06442         | 2                       |
| 1907.5MHz_RB 12,#RB M          | Pass   | -2.51       | 20.62           | 20.62          | 0.115        | Inf               | 18.11             | 0.06471         | 2                       |
| 1907.5MHz_RB 12,#RB H          | Pass   | -2.51       | 20.60           | 20.60          | 0.115        | Inf               | 18.09             | 0.06442         | 2                       |
| Band 2_LTE_10MHz_Nss1,QPSK_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 1855MHz_RB 50,#RB 0            | Pass   | -2.51       | 20.93           | 20.93          | 0.124        | Inf               | 18.42             | 0.06950         | 2                       |
| 1855MHz_RB 1,#RB L             | Pass   | -2.51       | 21.86           | 21.86          | 0.153        | Inf               | 19.35             | 0.08610         | 2                       |
| 1855MHz_RB 1,#RB M             | Pass   | -2.51       | 21.95           | 21.95          | 0.157        | Inf               | 19.44             | 0.08790         | 2                       |
| 1855MHz_RB 1,#RB H             | Pass   | -2.51       | 21.79           | 21.79          | 0.151        | Inf               | 19.28             | 0.08472         | 2                       |
| 1855MHz_RB 25,#RB L            | Pass   | -2.51       | 20.97           | 20.97          | 0.125        | Inf               | 18.46             | 0.07015         | 2                       |
| 1855MHz_RB 25,#RB M            | Pass   | -2.51       | 20.90           | 20.90          | 0.123        | Inf               | 18.39             | 0.06902         | 2                       |
| 1855MHz_RB 25,#RB H            | Pass   | -2.51       | 20.95           | 20.95          | 0.124        | Inf               | 18.44             | 0.06982         | 2                       |
| 1880MHz_RB 50,#RB 0            | Pass   | -2.51       | 20.84           | 20.84          | 0.121        | Inf               | 18.33             | 0.06808         | 2                       |
| 1880MHz_RB 1,#RB L             | Pass   | -2.51       | 21.87           | 21.87          | 0.154        | Inf               | 19.36             | 0.08630         | 2                       |
| 1880MHz_RB 1,#RB M             | Pass   | -2.51       | 21.80           | 21.80          | 0.151        | Inf               | 19.29             | 0.08492         | 2                       |
| 1880MHz_RB 1,#RB H             | Pass   | -2.51       | 21.68           | 21.68          | 0.147        | Inf               | 19.17             | 0.08260         | 2                       |
| 1880MHz_RB 25,#RB L            | Pass   | -2.51       | 20.85           | 20.85          | 0.122        | Inf               | 18.34             | 0.06823         | 2                       |
| 1880MHz_RB 25,#RB M            | Pass   | -2.51       | 20.79           | 20.79          | 0.120        | Inf               | 18.28             | 0.06730         | 2                       |
| 1880MHz_RB 25,#RB H            | Pass   | -2.51       | 20.77           | 20.77          | 0.119        | Inf               | 18.26             | 0.06699         | 2                       |
| 1905MHz_RB 50,#RB 0            | Pass   | -2.51       | 20.62           | 20.62          | 0.115        | Inf               | 18.11             | 0.06471         | 2                       |
| 1905MHz_RB 1,#RB L             | Pass   | -2.51       | 21.69           | 21.69          | 0.148        | Inf               | 19.18             | 0.08279         | 2                       |
| 1905MHz_RB 1,#RB M             | Pass   | -2.51       | 21.63           | 21.63          | 0.146        | Inf               | 19.12             | 0.08166         | 2                       |
| 1905MHz_RB 1,#RB H             | Pass   | -2.51       | 21.71           | 21.71          | 0.148        | Inf               | 19.20             | 0.08318         | 2                       |
| 1905MHz_RB 25,#RB L            | Pass   | -2.51       | 20.73           | 20.73          | 0.118        | Inf               | 18.22             | 0.06637         | 2                       |
| 1905MHz_RB 25,#RB M            | Pass   | -2.51       | 20.55           | 20.55          | 0.114        | Inf               | 18.04             | 0.06368         | 2                       |
| 1905MHz_RB 25,#RB H            | Pass   | -2.51       | 20.60           | 20.60          | 0.115        | Inf               | 18.09             | 0.06442         | 2                       |
| Band 2_LTE_15MHz_Nss1,QPSK_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 1857.5MHz_RB 75,#RB 0          | Pass   | -2.51       | 21.06           | 21.06          | 0.128        | Inf               | 18.55             | 0.07161         | 2                       |
| 1857.5MHz_RB 1,#RB L           | Pass   | -2.51       | 21.91           | 21.91          | 0.155        | Inf               | 19.40             | 0.08710         | 2                       |
| 1857.5MHz_RB 1,#RB M           | Pass   | -2.51       | 21.88           | 21.88          | 0.154        | Inf               | 19.37             | 0.08650         | 2                       |
| 1857.5MHz_RB 1,#RB H           | Pass   | -2.51       | 21.49           | 21.49          | 0.141        | Inf               | 18.98             | 0.07907         | 2                       |
| 1857.5MHz_RB 36,#RB L          | Pass   | -2.51       | 21.10           | 21.10          | 0.129        | Inf               | 18.59             | 0.07228         | 2                       |
| 1857.5MHz_RB 36,#RB M          | Pass   | -2.51       | 20.94           | 20.94          | 0.124        | Inf               | 18.43             | 0.06966         | 2                       |
| 1857.5MHz_RB 36,#RB H          | Pass   | -2.51       | 20.98           | 20.98          | 0.125        | Inf               | 18.47             | 0.07031         | 2                       |



## Average Power

## Appendix A.3

| Mode                             | Result | DG<br>(dBi) | Port 1<br>(dBm) | Power<br>(dBm) | Power<br>(W) | Power Lim.<br>(W) | EIRP/ERP<br>(dBm) | EIRP/ERP<br>(W) | EIRP/ERP<br>Lim.<br>(W) |
|----------------------------------|--------|-------------|-----------------|----------------|--------------|-------------------|-------------------|-----------------|-------------------------|
| 1880MHz_RB 75,#RB 0              | Pass   | -2.51       | 20.82           | 20.82          | 0.121        | Inf               | 18.31             | 0.06776         | 2                       |
| 1880MHz_RB 1,#RB L               | Pass   | -2.51       | 21.67           | 21.67          | 0.147        | Inf               | 19.16             | 0.08241         | 2                       |
| 1880MHz_RB 1,#RB M               | Pass   | -2.51       | 21.66           | 21.66          | 0.147        | Inf               | 19.15             | 0.08222         | 2                       |
| 1880MHz_RB 1,#RB H               | Pass   | -2.51       | 21.20           | 21.20          | 0.132        | Inf               | 18.69             | 0.07396         | 2                       |
| 1880MHz_RB 36,#RB L              | Pass   | -2.51       | 20.96           | 20.96          | 0.125        | Inf               | 18.45             | 0.06998         | 2                       |
| 1880MHz_RB 36,#RB M              | Pass   | -2.51       | 20.76           | 20.76          | 0.119        | Inf               | 18.25             | 0.06683         | 2                       |
| 1880MHz_RB 36,#RB H              | Pass   | -2.51       | 20.70           | 20.70          | 0.117        | Inf               | 18.19             | 0.06592         | 2                       |
| 1902.5MHz_RB 75,#RB 0            | Pass   | -2.51       | 20.76           | 20.76          | 0.119        | Inf               | 18.25             | 0.06683         | 2                       |
| 1902.5MHz_RB 1,#RB L             | Pass   | -2.51       | 21.69           | 21.69          | 0.148        | Inf               | 19.18             | 0.08279         | 2                       |
| 1902.5MHz_RB 1,#RB M             | Pass   | -2.51       | 21.57           | 21.57          | 0.144        | Inf               | 19.06             | 0.08054         | 2                       |
| 1902.5MHz_RB 1,#RB H             | Pass   | -2.51       | 21.43           | 21.43          | 0.139        | Inf               | 18.92             | 0.07798         | 2                       |
| 1902.5MHz_RB 36,#RB L            | Pass   | -2.51       | 20.87           | 20.87          | 0.122        | Inf               | 18.36             | 0.06855         | 2                       |
| 1902.5MHz_RB 36,#RB M            | Pass   | -2.51       | 20.65           | 20.65          | 0.116        | Inf               | 18.14             | 0.06516         | 2                       |
| 1902.5MHz_RB 36,#RB H            | Pass   | -2.51       | 20.69           | 20.69          | 0.117        | Inf               | 18.18             | 0.06577         | 2                       |
| Band 2_LTE_20MHz_Nss1,QPSK_1TX   | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 1860MHz_RB 100,#RB 0             | Pass   | -2.51       | 21.02           | 21.02          | 0.126        | Inf               | 18.51             | 0.07096         | 2                       |
| 1860MHz_RB 1,#RB L               | Pass   | -2.51       | 21.55           | 21.55          | 0.143        | Inf               | 19.04             | 0.08017         | 2                       |
| 1860MHz_RB 1,#RB M               | Pass   | -2.51       | 21.77           | 21.77          | 0.150        | Inf               | 19.26             | 0.08433         | 2                       |
| 1860MHz_RB 1,#RB H               | Pass   | -2.51       | 21.20           | 21.20          | 0.132        | Inf               | 18.69             | 0.07396         | 2                       |
| 1860MHz_RB 50,#RB L              | Pass   | -2.51       | 21.04           | 21.04          | 0.127        | Inf               | 18.53             | 0.07129         | 2                       |
| 1860MHz_RB 50,#RB M              | Pass   | -2.51       | 20.97           | 20.97          | 0.125        | Inf               | 18.46             | 0.07015         | 2                       |
| 1860MHz_RB 50,#RB H              | Pass   | -2.51       | 21.02           | 21.02          | 0.126        | Inf               | 18.51             | 0.07096         | 2                       |
| 1880MHz_RB 100,#RB 0             | Pass   | -2.51       | 20.88           | 20.88          | 0.122        | Inf               | 18.37             | 0.06871         | 2                       |
| 1880MHz_RB 1,#RB L               | Pass   | -2.51       | 21.57           | 21.57          | 0.144        | Inf               | 19.06             | 0.08054         | 2                       |
| 1880MHz_RB 1,#RB M               | Pass   | -2.51       | 21.66           | 21.66          | 0.147        | Inf               | 19.15             | 0.08222         | 2                       |
| 1880MHz_RB 1,#RB H               | Pass   | -2.51       | 20.93           | 20.93          | 0.124        | Inf               | 18.42             | 0.06950         | 2                       |
| 1880MHz_RB 50,#RB L              | Pass   | -2.51       | 20.97           | 20.97          | 0.125        | Inf               | 18.46             | 0.07015         | 2                       |
| 1880MHz_RB 50,#RB M              | Pass   | -2.51       | 20.79           | 20.79          | 0.120        | Inf               | 18.28             | 0.06730         | 2                       |
| 1880MHz_RB 50,#RB H              | Pass   | -2.51       | 20.71           | 20.71          | 0.118        | Inf               | 18.20             | 0.06607         | 2                       |
| 1900MHz_RB 100,#RB 0             | Pass   | -2.51       | 20.68           | 20.68          | 0.117        | Inf               | 18.17             | 0.06561         | 2                       |
| 1900MHz_RB 1,#RB L               | Pass   | -2.51       | 21.41           | 21.41          | 0.138        | Inf               | 18.90             | 0.07762         | 2                       |
| 1900MHz_RB 1,#RB M               | Pass   | -2.51       | 21.47           | 21.47          | 0.140        | Inf               | 18.96             | 0.07870         | 2                       |
| 1900MHz_RB 1,#RB H               | Pass   | -2.51       | 20.95           | 20.95          | 0.124        | Inf               | 18.44             | 0.06982         | 2                       |
| 1900MHz_RB 50,#RB L              | Pass   | -2.51       | 20.80           | 20.80          | 0.120        | Inf               | 18.29             | 0.06745         | 2                       |
| 1900MHz_RB 50,#RB M              | Pass   | -2.51       | 20.62           | 20.62          | 0.115        | Inf               | 18.11             | 0.06471         | 2                       |
| 1900MHz_RB 50,#RB H              | Pass   | -2.51       | 20.66           | 20.66          | 0.116        | Inf               | 18.15             | 0.06531         | 2                       |
| Band 2_LTE_1.4MHz_Nss1,16QAM_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 1850.7MHz_RB 6,#RB 0             | Pass   | -2.51       | 20.20           | 20.20          | 0.105        | Inf               | 17.69             | 0.05875         | 2                       |
| 1850.7MHz_RB 1,#RB L             | Pass   | -2.51       | 21.36           | 21.36          | 0.137        | Inf               | 18.85             | 0.07674         | 2                       |
| 1850.7MHz_RB 1,#RB M             | Pass   | -2.51       | 21.00           | 21.00          | 0.126        | Inf               | 18.49             | 0.07063         | 2                       |
| 1850.7MHz_RB 1,#RB H             | Pass   | -2.51       | 21.38           | 21.38          | 0.137        | Inf               | 18.87             | 0.07709         | 2                       |
| 1850.7MHz_RB 3,#RB L             | Pass   | -2.51       | 21.01           | 21.01          | 0.126        | Inf               | 18.50             | 0.07079         | 2                       |
| 1850.7MHz_RB 3,#RB M             | Pass   | -2.51       | 20.83           | 20.83          | 0.121        | Inf               | 18.32             | 0.06792         | 2                       |
| 1850.7MHz_RB 3,#RB H             | Pass   | -2.51       | 20.98           | 20.98          | 0.125        | Inf               | 18.47             | 0.07031         | 2                       |
| 1880MHz_RB 6,#RB 0               | Pass   | -2.51       | 20.04           | 20.04          | 0.101        | Inf               | 17.53             | 0.05662         | 2                       |
| 1880MHz_RB 1,#RB L               | Pass   | -2.51       | 21.29           | 21.29          | 0.135        | Inf               | 18.78             | 0.07551         | 2                       |
| 1880MHz_RB 1,#RB M               | Pass   | -2.51       | 20.93           | 20.93          | 0.124        | Inf               | 18.42             | 0.06950         | 2                       |
| 1880MHz_RB 1,#RB H               | Pass   | -2.51       | 21.36           | 21.36          | 0.137        | Inf               | 18.85             | 0.07674         | 2                       |



## Average Power

## Appendix A.3

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm) | Power<br>(dBm) | Power<br>(W) | Power Lim.<br>(W) | EIRP/ERP<br>(dBm) | EIRP/ERP<br>(W) | EIRP/ERP<br>Lim.<br>(W) |
|--------------------------------|--------|-------------|-----------------|----------------|--------------|-------------------|-------------------|-----------------|-------------------------|
| 1880MHz_RB 3,#RB L             | Pass   | -2.51       | 20.90           | 20.90          | 0.123        | Inf               | 18.39             | 0.06902         | 2                       |
| 1880MHz_RB 3,#RB M             | Pass   | -2.51       | 20.82           | 20.82          | 0.121        | Inf               | 18.31             | 0.06776         | 2                       |
| 1880MHz_RB 3,#RB H             | Pass   | -2.51       | 20.86           | 20.86          | 0.122        | Inf               | 18.35             | 0.06839         | 2                       |
| 1909.3MHz_RB 6,#RB 0           | Pass   | -2.51       | 19.86           | 19.86          | 0.097        | Inf               | 17.35             | 0.05433         | 2                       |
| 1909.3MHz_RB 1,#RB L           | Pass   | -2.51       | 21.21           | 21.21          | 0.132        | Inf               | 18.70             | 0.07413         | 2                       |
| 1909.3MHz_RB 1,#RB M           | Pass   | -2.51       | 20.78           | 20.78          | 0.120        | Inf               | 18.27             | 0.06714         | 2                       |
| 1909.3MHz_RB 1,#RB H           | Pass   | -2.51       | 21.15           | 21.15          | 0.130        | Inf               | 18.64             | 0.07311         | 2                       |
| 1909.3MHz_RB 3,#RB L           | Pass   | -2.51       | 20.72           | 20.72          | 0.118        | Inf               | 18.21             | 0.06622         | 2                       |
| 1909.3MHz_RB 3,#RB M           | Pass   | -2.51       | 20.66           | 20.66          | 0.116        | Inf               | 18.15             | 0.06531         | 2                       |
| 1909.3MHz_RB 3,#RB H           | Pass   | -2.51       | 20.76           | 20.76          | 0.119        | Inf               | 18.25             | 0.06683         | 2                       |
| Band 2_LTE_3MHz_Nss1,16QAM_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 1851.5MHz_RB 15,#RB 0          | Pass   | -2.51       | 20.12           | 20.12          | 0.103        | Inf               | 17.61             | 0.05768         | 2                       |
| 1851.5MHz_RB 1,#RB L           | Pass   | -2.51       | 21.32           | 21.32          | 0.136        | Inf               | 18.81             | 0.07603         | 2                       |
| 1851.5MHz_RB 1,#RB M           | Pass   | -2.51       | 21.38           | 21.38          | 0.137        | Inf               | 18.87             | 0.07709         | 2                       |
| 1851.5MHz_RB 1,#RB H           | Pass   | -2.51       | 21.34           | 21.34          | 0.136        | Inf               | 18.83             | 0.07638         | 2                       |
| 1851.5MHz_RB 8,#RB L           | Pass   | -2.51       | 20.17           | 20.17          | 0.104        | Inf               | 17.66             | 0.05834         | 2                       |
| 1851.5MHz_RB 8,#RB M           | Pass   | -2.51       | 20.08           | 20.08          | 0.102        | Inf               | 17.57             | 0.05715         | 2                       |
| 1851.5MHz_RB 8,#RB H           | Pass   | -2.51       | 20.12           | 20.12          | 0.103        | Inf               | 17.61             | 0.05768         | 2                       |
| 1880MHz_RB 15,#RB 0            | Pass   | -2.51       | 19.96           | 19.96          | 0.099        | Inf               | 17.45             | 0.05559         | 2                       |
| 1880MHz_RB 1,#RB L             | Pass   | -2.51       | 21.22           | 21.22          | 0.132        | Inf               | 18.71             | 0.07430         | 2                       |
| 1880MHz_RB 1,#RB M             | Pass   | -2.51       | 21.29           | 21.29          | 0.135        | Inf               | 18.78             | 0.07551         | 2                       |
| 1880MHz_RB 1,#RB H             | Pass   | -2.51       | 21.00           | 21.00          | 0.126        | Inf               | 18.49             | 0.07063         | 2                       |
| 1880MHz_RB 8,#RB L             | Pass   | -2.51       | 20.08           | 20.08          | 0.102        | Inf               | 17.57             | 0.05715         | 2                       |
| 1880MHz_RB 8,#RB M             | Pass   | -2.51       | 19.96           | 19.96          | 0.099        | Inf               | 17.45             | 0.05559         | 2                       |
| 1880MHz_RB 8,#RB H             | Pass   | -2.51       | 20.04           | 20.04          | 0.101        | Inf               | 17.53             | 0.05662         | 2                       |
| 1908.5MHz_RB 15,#RB 0          | Pass   | -2.51       | 19.91           | 19.91          | 0.098        | Inf               | 17.40             | 0.05495         | 2                       |
| 1908.5MHz_RB 1,#RB L           | Pass   | -2.51       | 21.31           | 21.31          | 0.135        | Inf               | 18.80             | 0.07586         | 2                       |
| 1908.5MHz_RB 1,#RB M           | Pass   | -2.51       | 20.88           | 20.88          | 0.122        | Inf               | 18.37             | 0.06871         | 2                       |
| 1908.5MHz_RB 1,#RB H           | Pass   | -2.51       | 20.96           | 20.96          | 0.125        | Inf               | 18.45             | 0.06998         | 2                       |
| 1908.5MHz_RB 8,#RB L           | Pass   | -2.51       | 19.98           | 19.98          | 0.100        | Inf               | 17.47             | 0.05585         | 2                       |
| 1908.5MHz_RB 8,#RB M           | Pass   | -2.51       | 19.90           | 19.90          | 0.098        | Inf               | 17.39             | 0.05483         | 2                       |
| 1908.5MHz_RB 8,#RB H           | Pass   | -2.51       | 19.88           | 19.88          | 0.097        | Inf               | 17.37             | 0.05458         | 2                       |
| Band 2_LTE_5MHz_Nss1,16QAM_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 1852.5MHz_RB 25,#RB 0          | Pass   | -2.51       | 19.98           | 19.98          | 0.100        | Inf               | 17.47             | 0.05585         | 2                       |
| 1852.5MHz_RB 1,#RB L           | Pass   | -2.51       | 21.08           | 21.08          | 0.128        | Inf               | 18.57             | 0.07194         | 2                       |
| 1852.5MHz_RB 1,#RB M           | Pass   | -2.51       | 20.99           | 20.99          | 0.126        | Inf               | 18.48             | 0.07047         | 2                       |
| 1852.5MHz_RB 1,#RB H           | Pass   | -2.51       | 20.97           | 20.97          | 0.125        | Inf               | 18.46             | 0.07015         | 2                       |
| 1852.5MHz_RB 12,#RB L          | Pass   | -2.51       | 20.03           | 20.03          | 0.101        | Inf               | 17.52             | 0.05649         | 2                       |
| 1852.5MHz_RB 12,#RB M          | Pass   | -2.51       | 19.96           | 19.96          | 0.099        | Inf               | 17.45             | 0.05559         | 2                       |
| 1852.5MHz_RB 12,#RB H          | Pass   | -2.51       | 19.97           | 19.97          | 0.099        | Inf               | 17.46             | 0.05572         | 2                       |
| 1880MHz_RB 25,#RB 0            | Pass   | -2.51       | 19.81           | 19.81          | 0.096        | Inf               | 17.30             | 0.05370         | 2                       |
| 1880MHz_RB 1,#RB L             | Pass   | -2.51       | 20.89           | 20.89          | 0.123        | Inf               | 18.38             | 0.06887         | 2                       |
| 1880MHz_RB 1,#RB M             | Pass   | -2.51       | 20.91           | 20.91          | 0.123        | Inf               | 18.40             | 0.06918         | 2                       |
| 1880MHz_RB 1,#RB H             | Pass   | -2.51       | 20.93           | 20.93          | 0.124        | Inf               | 18.42             | 0.06950         | 2                       |
| 1880MHz_RB 12,#RB L            | Pass   | -2.51       | 19.91           | 19.91          | 0.098        | Inf               | 17.40             | 0.05495         | 2                       |
| 1880MHz_RB 12,#RB M            | Pass   | -2.51       | 19.84           | 19.84          | 0.096        | Inf               | 17.33             | 0.05408         | 2                       |
| 1880MHz_RB 12,#RB H            | Pass   | -2.51       | 19.82           | 19.82          | 0.096        | Inf               | 17.31             | 0.05383         | 2                       |
| 1907.5MHz_RB 25,#RB 0          | Pass   | -2.51       | 19.69           | 19.69          | 0.093        | Inf               | 17.18             | 0.05224         | 2                       |





## Average Power

## Appendix A.3

| Mode                            | Result | DG<br>(dBi) | Port 1<br>(dBm) | Power<br>(dBm) | Power<br>(W) | Power Lim.<br>(W) | EIRP/ERP<br>(dBm) | EIRP/ERP<br>(W) | EIRP/ERP<br>Lim.<br>(W) |
|---------------------------------|--------|-------------|-----------------|----------------|--------------|-------------------|-------------------|-----------------|-------------------------|
| 1907.5MHz_RB 1,#RB L            | Pass   | -2.51       | 20.73           | 20.73          | 0.118        | Inf               | 18.22             | 0.06637         | 2                       |
| 1907.5MHz_RB 1,#RB M            | Pass   | -2.51       | 20.88           | 20.88          | 0.122        | Inf               | 18.37             | 0.06871         | 2                       |
| 1907.5MHz_RB 1,#RB H            | Pass   | -2.51       | 20.57           | 20.57          | 0.114        | Inf               | 18.06             | 0.06397         | 2                       |
| 1907.5MHz_RB 12,#RB L           | Pass   | -2.51       | 19.68           | 19.68          | 0.093        | Inf               | 17.17             | 0.05212         | 2                       |
| 1907.5MHz_RB 12,#RB M           | Pass   | -2.51       | 19.68           | 19.68          | 0.093        | Inf               | 17.17             | 0.05212         | 2                       |
| 1907.5MHz_RB 12,#RB H           | Pass   | -2.51       | 19.69           | 19.69          | 0.093        | Inf               | 17.18             | 0.05224         | 2                       |
| Band 2_LTE_10MHz_Nss1,16QAM_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 1855MHz_RB 50,#RB 0             | Pass   | -2.51       | 20.04           | 20.04          | 0.101        | Inf               | 17.53             | 0.05662         | 2                       |
| 1855MHz_RB 1,#RB L              | Pass   | -2.51       | 21.22           | 21.22          | 0.132        | Inf               | 18.71             | 0.07430         | 2                       |
| 1855MHz_RB 1,#RB M              | Pass   | -2.51       | 21.24           | 21.24          | 0.133        | Inf               | 18.73             | 0.07464         | 2                       |
| 1855MHz_RB 1,#RB H              | Pass   | -2.51       | 21.09           | 21.09          | 0.129        | Inf               | 18.58             | 0.07211         | 2                       |
| 1855MHz_RB 25,#RB L             | Pass   | -2.51       | 20.06           | 20.06          | 0.101        | Inf               | 17.55             | 0.05689         | 2                       |
| 1855MHz_RB 25,#RB M             | Pass   | -2.51       | 20.01           | 20.01          | 0.100        | Inf               | 17.50             | 0.05623         | 2                       |
| 1855MHz_RB 25,#RB H             | Pass   | -2.51       | 20.03           | 20.03          | 0.101        | Inf               | 17.52             | 0.05649         | 2                       |
| 1880MHz_RB 50,#RB 0             | Pass   | -2.51       | 19.96           | 19.96          | 0.099        | Inf               | 17.45             | 0.05559         | 2                       |
| 1880MHz_RB 1,#RB L              | Pass   | -2.51       | 21.26           | 21.26          | 0.134        | Inf               | 18.75             | 0.07499         | 2                       |
| 1880MHz_RB 1,#RB M              | Pass   | -2.51       | 21.10           | 21.10          | 0.129        | Inf               | 18.59             | 0.07228         | 2                       |
| 1880MHz_RB 1,#RB H              | Pass   | -2.51       | 20.90           | 20.90          | 0.123        | Inf               | 18.39             | 0.06902         | 2                       |
| 1880MHz_RB 25,#RB L             | Pass   | -2.51       | 19.96           | 19.96          | 0.099        | Inf               | 17.45             | 0.05559         | 2                       |
| 1880MHz_RB 25,#RB M             | Pass   | -2.51       | 19.91           | 19.91          | 0.098        | Inf               | 17.40             | 0.05495         | 2                       |
| 1880MHz_RB 25,#RB H             | Pass   | -2.51       | 19.91           | 19.91          | 0.098        | Inf               | 17.40             | 0.05495         | 2                       |
| 1905MHz_RB 50,#RB 0             | Pass   | -2.51       | 19.71           | 19.71          | 0.094        | Inf               | 17.20             | 0.05248         | 2                       |
| 1905MHz_RB 1,#RB L              | Pass   | -2.51       | 20.99           | 20.99          | 0.126        | Inf               | 18.48             | 0.07047         | 2                       |
| 1905MHz_RB 1,#RB M              | Pass   | -2.51       | 21.00           | 21.00          | 0.126        | Inf               | 18.49             | 0.07063         | 2                       |
| 1905MHz_RB 1,#RB H              | Pass   | -2.51       | 20.83           | 20.83          | 0.121        | Inf               | 18.32             | 0.06792         | 2                       |
| 1905MHz_RB 25,#RB L             | Pass   | -2.51       | 19.79           | 19.79          | 0.095        | Inf               | 17.28             | 0.05346         | 2                       |
| 1905MHz_RB 25,#RB M             | Pass   | -2.51       | 19.75           | 19.75          | 0.094        | Inf               | 17.24             | 0.05297         | 2                       |
| 1905MHz_RB 25,#RB H             | Pass   | -2.51       | 19.79           | 19.79          | 0.095        | Inf               | 17.28             | 0.05346         | 2                       |
| Band 2_LTE_15MHz_Nss1,16QAM_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 1857.5MHz_RB 75,#RB 0           | Pass   | -2.51       | 20.09           | 20.09          | 0.102        | Inf               | 17.58             | 0.05728         | 2                       |
| 1857.5MHz_RB 1,#RB L            | Pass   | -2.51       | 21.04           | 21.04          | 0.127        | Inf               | 18.53             | 0.07129         | 2                       |
| 1857.5MHz_RB 1,#RB M            | Pass   | -2.51       | 21.01           | 21.01          | 0.126        | Inf               | 18.50             | 0.07079         | 2                       |
| 1857.5MHz_RB 1,#RB H            | Pass   | -2.51       | 20.72           | 20.72          | 0.118        | Inf               | 18.21             | 0.06622         | 2                       |
| 1857.5MHz_RB 36,#RB L           | Pass   | -2.51       | 20.11           | 20.11          | 0.103        | Inf               | 17.60             | 0.05754         | 2                       |
| 1857.5MHz_RB 36,#RB M           | Pass   | -2.51       | 19.99           | 19.99          | 0.100        | Inf               | 17.48             | 0.05598         | 2                       |
| 1857.5MHz_RB 36,#RB H           | Pass   | -2.51       | 20.06           | 20.06          | 0.101        | Inf               | 17.55             | 0.05689         | 2                       |
| 1880MHz_RB 75,#RB 0             | Pass   | -2.51       | 19.97           | 19.97          | 0.099        | Inf               | 17.46             | 0.05572         | 2                       |
| 1880MHz_RB 1,#RB L              | Pass   | -2.51       | 21.28           | 21.28          | 0.134        | Inf               | 18.77             | 0.07534         | 2                       |
| 1880MHz_RB 1,#RB M              | Pass   | -2.51       | 20.87           | 20.87          | 0.122        | Inf               | 18.36             | 0.06855         | 2                       |
| 1880MHz_RB 1,#RB H              | Pass   | -2.51       | 20.63           | 20.63          | 0.116        | Inf               | 18.12             | 0.06486         | 2                       |
| 1880MHz_RB 36,#RB L             | Pass   | -2.51       | 20.08           | 20.08          | 0.102        | Inf               | 17.57             | 0.05715         | 2                       |
| 1880MHz_RB 36,#RB M             | Pass   | -2.51       | 19.84           | 19.84          | 0.096        | Inf               | 17.33             | 0.05408         | 2                       |
| 1880MHz_RB 36,#RB H             | Pass   | -2.51       | 19.86           | 19.86          | 0.097        | Inf               | 17.35             | 0.05433         | 2                       |
| 1902.5MHz_RB 75,#RB 0           | Pass   | -2.51       | 19.82           | 19.82          | 0.096        | Inf               | 17.31             | 0.05383         | 2                       |
| 1902.5MHz_RB 1,#RB L            | Pass   | -2.51       | 20.84           | 20.84          | 0.121        | Inf               | 18.33             | 0.06808         | 2                       |
| 1902.5MHz_RB 1,#RB M            | Pass   | -2.51       | 20.70           | 20.70          | 0.117        | Inf               | 18.19             | 0.06592         | 2                       |
| 1902.5MHz_RB 1,#RB H            | Pass   | -2.51       | 20.68           | 20.68          | 0.117        | Inf               | 18.17             | 0.06561         | 2                       |
| 1902.5MHz_RB 36,#RB L           | Pass   | -2.51       | 19.87           | 19.87          | 0.097        | Inf               | 17.36             | 0.05445         | 2                       |



## Average Power

## Appendix A.3

| Mode                             | Result | DG<br>(dBi) | Port 1<br>(dBm) | Power<br>(dBm) | Power<br>(W) | Power Lim.<br>(W) | EIRP/ERP<br>(dBm) | EIRP/ERP<br>(W) | EIRP/ERP<br>Lim.<br>(W) |
|----------------------------------|--------|-------------|-----------------|----------------|--------------|-------------------|-------------------|-----------------|-------------------------|
| 1902.5MHz_RB 36,#RB M            | Pass   | -2.51       | 19.72           | 19.72          | 0.094        | Inf               | 17.21             | 0.05260         | 2                       |
| 1902.5MHz_RB 36,#RB H            | Pass   | -2.51       | 19.72           | 19.72          | 0.094        | Inf               | 17.21             | 0.05260         | 2                       |
| Band 2_LTE_20MHz_Nss1,16QAM_1TX  | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 1860MHz_RB 100,#RB 0             | Pass   | -2.51       | 20.09           | 20.09          | 0.102        | Inf               | 17.58             | 0.05728         | 2                       |
| 1860MHz_RB 1,#RB L               | Pass   | -2.51       | 20.71           | 20.71          | 0.118        | Inf               | 18.20             | 0.06607         | 2                       |
| 1860MHz_RB 1,#RB M               | Pass   | -2.51       | 21.15           | 21.15          | 0.130        | Inf               | 18.64             | 0.07311         | 2                       |
| 1860MHz_RB 1,#RB H               | Pass   | -2.51       | 20.52           | 20.52          | 0.113        | Inf               | 18.01             | 0.06324         | 2                       |
| 1860MHz_RB 50,#RB L              | Pass   | -2.51       | 20.25           | 20.25          | 0.106        | Inf               | 17.74             | 0.05943         | 2                       |
| 1860MHz_RB 50,#RB M              | Pass   | -2.51       | 20.04           | 20.04          | 0.101        | Inf               | 17.53             | 0.05662         | 2                       |
| 1860MHz_RB 50,#RB H              | Pass   | -2.51       | 20.09           | 20.09          | 0.102        | Inf               | 17.58             | 0.05728         | 2                       |
| 1880MHz_RB 100,#RB 0             | Pass   | -2.51       | 19.92           | 19.92          | 0.098        | Inf               | 17.41             | 0.05508         | 2                       |
| 1880MHz_RB 1,#RB L               | Pass   | -2.51       | 20.73           | 20.73          | 0.118        | Inf               | 18.22             | 0.06637         | 2                       |
| 1880MHz_RB 1,#RB M               | Pass   | -2.51       | 20.99           | 20.99          | 0.126        | Inf               | 18.48             | 0.07047         | 2                       |
| 1880MHz_RB 1,#RB H               | Pass   | -2.51       | 20.13           | 20.13          | 0.103        | Inf               | 17.62             | 0.05781         | 2                       |
| 1880MHz_RB 50,#RB L              | Pass   | -2.51       | 20.06           | 20.06          | 0.101        | Inf               | 17.55             | 0.05689         | 2                       |
| 1880MHz_RB 50,#RB M              | Pass   | -2.51       | 19.86           | 19.86          | 0.097        | Inf               | 17.35             | 0.05433         | 2                       |
| 1880MHz_RB 50,#RB H              | Pass   | -2.51       | 19.78           | 19.78          | 0.095        | Inf               | 17.27             | 0.05333         | 2                       |
| 1900MHz_RB 100,#RB 0             | Pass   | -2.51       | 19.78           | 19.78          | 0.095        | Inf               | 17.27             | 0.05333         | 2                       |
| 1900MHz_RB 1,#RB L               | Pass   | -2.51       | 20.88           | 20.88          | 0.122        | Inf               | 18.37             | 0.06871         | 2                       |
| 1900MHz_RB 1,#RB M               | Pass   | -2.51       | 20.80           | 20.80          | 0.120        | Inf               | 18.29             | 0.06745         | 2                       |
| 1900MHz_RB 1,#RB H               | Pass   | -2.51       | 20.40           | 20.40          | 0.110        | Inf               | 17.89             | 0.06152         | 2                       |
| 1900MHz_RB 50,#RB L              | Pass   | -2.51       | 20.03           | 20.03          | 0.101        | Inf               | 17.52             | 0.05649         | 2                       |
| 1900MHz_RB 50,#RB M              | Pass   | -2.51       | 19.77           | 19.77          | 0.095        | Inf               | 17.26             | 0.05321         | 2                       |
| 1900MHz_RB 50,#RB H              | Pass   | -2.51       | 19.84           | 19.84          | 0.096        | Inf               | 17.33             | 0.05408         | 2                       |
| Band 2_LTE_1.4MHz_Nss1,64QAM_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 1850.7MHz_RB 6,#RB 0             | Pass   | -2.51       | 20.17           | 20.17          | 0.104        | Inf               | 17.66             | 0.05834         | 2                       |
| 1850.7MHz_RB 1,#RB L             | Pass   | -2.51       | 21.38           | 21.38          | 0.137        | Inf               | 18.87             | 0.07709         | 2                       |
| 1850.7MHz_RB 1,#RB M             | Pass   | -2.51       | 21.16           | 21.16          | 0.131        | Inf               | 18.65             | 0.07328         | 2                       |
| 1850.7MHz_RB 1,#RB H             | Pass   | -2.51       | 21.49           | 21.49          | 0.141        | Inf               | 18.98             | 0.07907         | 2                       |
| 1850.7MHz_RB 3,#RB L             | Pass   | -2.51       | 21.06           | 21.06          | 0.128        | Inf               | 18.55             | 0.07161         | 2                       |
| 1850.7MHz_RB 3,#RB M             | Pass   | -2.51       | 20.95           | 20.95          | 0.124        | Inf               | 18.44             | 0.06982         | 2                       |
| 1850.7MHz_RB 3,#RB H             | Pass   | -2.51       | 21.13           | 21.13          | 0.130        | Inf               | 18.62             | 0.07278         | 2                       |
| 1880MHz_RB 6,#RB 0               | Pass   | -2.51       | 19.97           | 19.97          | 0.099        | Inf               | 17.46             | 0.05572         | 2                       |
| 1880MHz_RB 1,#RB L               | Pass   | -2.51       | 21.25           | 21.25          | 0.133        | Inf               | 18.74             | 0.07482         | 2                       |
| 1880MHz_RB 1,#RB M               | Pass   | -2.51       | 20.87           | 20.87          | 0.122        | Inf               | 18.36             | 0.06855         | 2                       |
| 1880MHz_RB 1,#RB H               | Pass   | -2.51       | 21.01           | 21.01          | 0.126        | Inf               | 18.50             | 0.07079         | 2                       |
| 1880MHz_RB 3,#RB L               | Pass   | -2.51       | 20.98           | 20.98          | 0.125        | Inf               | 18.47             | 0.07031         | 2                       |
| 1880MHz_RB 3,#RB M               | Pass   | -2.51       | 20.77           | 20.77          | 0.119        | Inf               | 18.26             | 0.06699         | 2                       |
| 1880MHz_RB 3,#RB H               | Pass   | -2.51       | 20.96           | 20.96          | 0.125        | Inf               | 18.45             | 0.06998         | 2                       |
| 1909.3MHz_RB 6,#RB 0             | Pass   | -2.51       | 19.86           | 19.86          | 0.097        | Inf               | 17.35             | 0.05433         | 2                       |
| 1909.3MHz_RB 1,#RB L             | Pass   | -2.51       | 21.04           | 21.04          | 0.127        | Inf               | 18.53             | 0.07129         | 2                       |
| 1909.3MHz_RB 1,#RB M             | Pass   | -2.51       | 20.61           | 20.61          | 0.115        | Inf               | 18.10             | 0.06457         | 2                       |
| 1909.3MHz_RB 1,#RB H             | Pass   | -2.51       | 21.08           | 21.08          | 0.128        | Inf               | 18.57             | 0.07194         | 2                       |
| 1909.3MHz_RB 3,#RB L             | Pass   | -2.51       | 20.86           | 20.86          | 0.122        | Inf               | 18.35             | 0.06839         | 2                       |
| 1909.3MHz_RB 3,#RB M             | Pass   | -2.51       | 20.67           | 20.67          | 0.117        | Inf               | 18.16             | 0.06546         | 2                       |
| 1909.3MHz_RB 3,#RB H             | Pass   | -2.51       | 20.75           | 20.75          | 0.119        | Inf               | 18.24             | 0.06668         | 2                       |
| Band 2_LTE_3MHz_Nss1,64QAM_1TX   | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 1851.5MHz_RB 15,#RB 0            | Pass   | -2.51       | 20.13           | 20.13          | 0.103        | Inf               | 17.62             | 0.05781         | 2                       |



## Average Power

## Appendix A.3

| Mode                            | Result | DG<br>(dBi) | Port 1<br>(dBm) | Power<br>(dBm) | Power<br>(W) | Power Lim.<br>(W) | EIRP/ERP<br>(dBm) | EIRP/ERP<br>(W) | EIRP/ERP<br>Lim.<br>(W) |
|---------------------------------|--------|-------------|-----------------|----------------|--------------|-------------------|-------------------|-----------------|-------------------------|
| 1851.5MHz_RB 1,#RB L            | Pass   | -2.51       | 21.25           | 21.25          | 0.133        | Inf               | 18.74             | 0.07482         | 2                       |
| 1851.5MHz_RB 1,#RB M            | Pass   | -2.51       | 21.14           | 21.14          | 0.130        | Inf               | 18.63             | 0.07295         | 2                       |
| 1851.5MHz_RB 1,#RB H            | Pass   | -2.51       | 21.20           | 21.20          | 0.132        | Inf               | 18.69             | 0.07396         | 2                       |
| 1851.5MHz_RB 8,#RB L            | Pass   | -2.51       | 20.23           | 20.23          | 0.105        | Inf               | 17.72             | 0.05916         | 2                       |
| 1851.5MHz_RB 8,#RB M            | Pass   | -2.51       | 20.29           | 20.29          | 0.107        | Inf               | 17.78             | 0.05998         | 2                       |
| 1851.5MHz_RB 8,#RB H            | Pass   | -2.51       | 20.21           | 20.21          | 0.105        | Inf               | 17.70             | 0.05888         | 2                       |
| 1880MHz_RB 15,#RB 0             | Pass   | -2.51       | 20.00           | 20.00          | 0.100        | Inf               | 17.49             | 0.05610         | 2                       |
| 1880MHz_RB 1,#RB L              | Pass   | -2.51       | 20.91           | 20.91          | 0.123        | Inf               | 18.40             | 0.06918         | 2                       |
| 1880MHz_RB 1,#RB M              | Pass   | -2.51       | 21.13           | 21.13          | 0.130        | Inf               | 18.62             | 0.07278         | 2                       |
| 1880MHz_RB 1,#RB H              | Pass   | -2.51       | 21.20           | 21.20          | 0.132        | Inf               | 18.69             | 0.07396         | 2                       |
| 1880MHz_RB 8,#RB L              | Pass   | -2.51       | 20.00           | 20.00          | 0.100        | Inf               | 17.49             | 0.05610         | 2                       |
| 1880MHz_RB 8,#RB M              | Pass   | -2.51       | 20.01           | 20.01          | 0.100        | Inf               | 17.50             | 0.05623         | 2                       |
| 1880MHz_RB 8,#RB H              | Pass   | -2.51       | 20.03           | 20.03          | 0.101        | Inf               | 17.52             | 0.05649         | 2                       |
| 1908.5MHz_RB 15,#RB 0           | Pass   | -2.51       | 19.88           | 19.88          | 0.097        | Inf               | 17.37             | 0.05458         | 2                       |
| 1908.5MHz_RB 1,#RB L            | Pass   | -2.51       | 21.05           | 21.05          | 0.127        | Inf               | 18.54             | 0.07145         | 2                       |
| 1908.5MHz_RB 1,#RB M            | Pass   | -2.51       | 21.01           | 21.01          | 0.126        | Inf               | 18.50             | 0.07079         | 2                       |
| 1908.5MHz_RB 1,#RB H            | Pass   | -2.51       | 20.99           | 20.99          | 0.126        | Inf               | 18.48             | 0.07047         | 2                       |
| 1908.5MHz_RB 8,#RB L            | Pass   | -2.51       | 20.00           | 20.00          | 0.100        | Inf               | 17.49             | 0.05610         | 2                       |
| 1908.5MHz_RB 8,#RB M            | Pass   | -2.51       | 19.96           | 19.96          | 0.099        | Inf               | 17.45             | 0.05559         | 2                       |
| 1908.5MHz_RB 8,#RB H            | Pass   | -2.51       | 19.86           | 19.86          | 0.097        | Inf               | 17.35             | 0.05433         | 2                       |
| Band 2_LTE_5MHz_Nss1,64QAM_1TX  | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 1852.5MHz_RB 25,#RB 0           | Pass   | -2.51       | 20.01           | 20.01          | 0.100        | Inf               | 17.50             | 0.05623         | 2                       |
| 1852.5MHz_RB 1,#RB L            | Pass   | -2.51       | 21.02           | 21.02          | 0.126        | Inf               | 18.51             | 0.07096         | 2                       |
| 1852.5MHz_RB 1,#RB M            | Pass   | -2.51       | 21.12           | 21.12          | 0.129        | Inf               | 18.61             | 0.07261         | 2                       |
| 1852.5MHz_RB 1,#RB H            | Pass   | -2.51       | 20.82           | 20.82          | 0.121        | Inf               | 18.31             | 0.06776         | 2                       |
| 1852.5MHz_RB 12,#RB L           | Pass   | -2.51       | 20.06           | 20.06          | 0.101        | Inf               | 17.55             | 0.05689         | 2                       |
| 1852.5MHz_RB 12,#RB M           | Pass   | -2.51       | 19.95           | 19.95          | 0.099        | Inf               | 17.44             | 0.05546         | 2                       |
| 1852.5MHz_RB 12,#RB H           | Pass   | -2.51       | 19.98           | 19.98          | 0.100        | Inf               | 17.47             | 0.05585         | 2                       |
| 1880MHz_RB 25,#RB 0             | Pass   | -2.51       | 19.93           | 19.93          | 0.098        | Inf               | 17.42             | 0.05521         | 2                       |
| 1880MHz_RB 1,#RB L              | Pass   | -2.51       | 20.81           | 20.81          | 0.121        | Inf               | 18.30             | 0.06761         | 2                       |
| 1880MHz_RB 1,#RB M              | Pass   | -2.51       | 20.96           | 20.96          | 0.125        | Inf               | 18.45             | 0.06998         | 2                       |
| 1880MHz_RB 1,#RB H              | Pass   | -2.51       | 20.78           | 20.78          | 0.120        | Inf               | 18.27             | 0.06714         | 2                       |
| 1880MHz_RB 12,#RB L             | Pass   | -2.51       | 19.90           | 19.90          | 0.098        | Inf               | 17.39             | 0.05483         | 2                       |
| 1880MHz_RB 12,#RB M             | Pass   | -2.51       | 19.84           | 19.84          | 0.096        | Inf               | 17.33             | 0.05408         | 2                       |
| 1880MHz_RB 12,#RB H             | Pass   | -2.51       | 19.87           | 19.87          | 0.097        | Inf               | 17.36             | 0.05445         | 2                       |
| 1907.5MHz_RB 25,#RB 0           | Pass   | -2.51       | 19.77           | 19.77          | 0.095        | Inf               | 17.26             | 0.05321         | 2                       |
| 1907.5MHz_RB 1,#RB L            | Pass   | -2.51       | 20.66           | 20.66          | 0.116        | Inf               | 18.15             | 0.06531         | 2                       |
| 1907.5MHz_RB 1,#RB M            | Pass   | -2.51       | 20.86           | 20.86          | 0.122        | Inf               | 18.35             | 0.06839         | 2                       |
| 1907.5MHz_RB 1,#RB H            | Pass   | -2.51       | 20.52           | 20.52          | 0.113        | Inf               | 18.01             | 0.06324         | 2                       |
| 1907.5MHz_RB 12,#RB L           | Pass   | -2.51       | 19.76           | 19.76          | 0.095        | Inf               | 17.25             | 0.05309         | 2                       |
| 1907.5MHz_RB 12,#RB M           | Pass   | -2.51       | 19.72           | 19.72          | 0.094        | Inf               | 17.21             | 0.05260         | 2                       |
| 1907.5MHz_RB 12,#RB H           | Pass   | -2.51       | 19.73           | 19.73          | 0.094        | Inf               | 17.22             | 0.05272         | 2                       |
| Band 2_LTE_10MHz_Nss1,64QAM_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 1855MHz_RB 50,#RB 0             | Pass   | -2.51       | 20.03           | 20.03          | 0.101        | Inf               | 17.52             | 0.05649         | 2                       |
| 1855MHz_RB 1,#RB L              | Pass   | -2.51       | 21.21           | 21.21          | 0.132        | Inf               | 18.70             | 0.07413         | 2                       |
| 1855MHz_RB 1,#RB M              | Pass   | -2.51       | 21.04           | 21.04          | 0.127        | Inf               | 18.53             | 0.07129         | 2                       |
| 1855MHz_RB 1,#RB H              | Pass   | -2.51       | 21.08           | 21.08          | 0.128        | Inf               | 18.57             | 0.07194         | 2                       |
| 1855MHz_RB 25,#RB L             | Pass   | -2.51       | 20.06           | 20.06          | 0.101        | Inf               | 17.55             | 0.05689         | 2                       |



## Average Power

## Appendix A.3

| Mode                            | Result | DG<br>(dBi) | Port 1<br>(dBm) | Power<br>(dBm) | Power<br>(W) | Power Lim.<br>(W) | EIRP/ERP<br>(dBm) | EIRP/ERP<br>(W) | EIRP/ERP<br>Lim.<br>(W) |
|---------------------------------|--------|-------------|-----------------|----------------|--------------|-------------------|-------------------|-----------------|-------------------------|
| 1855MHz_RB 25,#RB M             | Pass   | -2.51       | 20.01           | 20.01          | 0.100        | Inf               | 17.50             | 0.05623         | 2                       |
| 1855MHz_RB 25,#RB H             | Pass   | -2.51       | 20.01           | 20.01          | 0.100        | Inf               | 17.50             | 0.05623         | 2                       |
| 1880MHz_RB 50,#RB 0             | Pass   | -2.51       | 20.02           | 20.02          | 0.100        | Inf               | 17.51             | 0.05636         | 2                       |
| 1880MHz_RB 1,#RB L              | Pass   | -2.51       | 21.12           | 21.12          | 0.129        | Inf               | 18.61             | 0.07261         | 2                       |
| 1880MHz_RB 1,#RB M              | Pass   | -2.51       | 20.92           | 20.92          | 0.124        | Inf               | 18.41             | 0.06934         | 2                       |
| 1880MHz_RB 1,#RB H              | Pass   | -2.51       | 20.93           | 20.93          | 0.124        | Inf               | 18.42             | 0.06950         | 2                       |
| 1880MHz_RB 25,#RB L             | Pass   | -2.51       | 19.97           | 19.97          | 0.099        | Inf               | 17.46             | 0.05572         | 2                       |
| 1880MHz_RB 25,#RB M             | Pass   | -2.51       | 20.02           | 20.02          | 0.100        | Inf               | 17.51             | 0.05636         | 2                       |
| 1880MHz_RB 25,#RB H             | Pass   | -2.51       | 19.93           | 19.93          | 0.098        | Inf               | 17.42             | 0.05521         | 2                       |
| 1905MHz_RB 50,#RB 0             | Pass   | -2.51       | 19.83           | 19.83          | 0.096        | Inf               | 17.32             | 0.05395         | 2                       |
| 1905MHz_RB 1,#RB L              | Pass   | -2.51       | 20.68           | 20.68          | 0.117        | Inf               | 18.17             | 0.06561         | 2                       |
| 1905MHz_RB 1,#RB M              | Pass   | -2.51       | 20.77           | 20.77          | 0.119        | Inf               | 18.26             | 0.06699         | 2                       |
| 1905MHz_RB 1,#RB H              | Pass   | -2.51       | 20.68           | 20.68          | 0.117        | Inf               | 18.17             | 0.06561         | 2                       |
| 1905MHz_RB 25,#RB L             | Pass   | -2.51       | 19.79           | 19.79          | 0.095        | Inf               | 17.28             | 0.05346         | 2                       |
| 1905MHz_RB 25,#RB M             | Pass   | -2.51       | 19.74           | 19.74          | 0.094        | Inf               | 17.23             | 0.05284         | 2                       |
| 1905MHz_RB 25,#RB H             | Pass   | -2.51       | 19.84           | 19.84          | 0.096        | Inf               | 17.33             | 0.05408         | 2                       |
| Band 2_LTE_15MHz_Nss1,64QAM_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 1857.5MHz_RB 75,#RB 0           | Pass   | -2.51       | 20.19           | 20.19          | 0.104        | Inf               | 17.68             | 0.05861         | 2                       |
| 1857.5MHz_RB 1,#RB L            | Pass   | -2.51       | 20.98           | 20.98          | 0.125        | Inf               | 18.47             | 0.07031         | 2                       |
| 1857.5MHz_RB 1,#RB M            | Pass   | -2.51       | 20.88           | 20.88          | 0.122        | Inf               | 18.37             | 0.06871         | 2                       |
| 1857.5MHz_RB 1,#RB H            | Pass   | -2.51       | 20.80           | 20.80          | 0.120        | Inf               | 18.29             | 0.06745         | 2                       |
| 1857.5MHz_RB 36,#RB L           | Pass   | -2.51       | 20.15           | 20.15          | 0.104        | Inf               | 17.64             | 0.05808         | 2                       |
| 1857.5MHz_RB 36,#RB M           | Pass   | -2.51       | 20.01           | 20.01          | 0.100        | Inf               | 17.50             | 0.05623         | 2                       |
| 1857.5MHz_RB 36,#RB H           | Pass   | -2.51       | 20.02           | 20.02          | 0.100        | Inf               | 17.51             | 0.05636         | 2                       |
| 1880MHz_RB 75,#RB 0             | Pass   | -2.51       | 19.93           | 19.93          | 0.098        | Inf               | 17.42             | 0.05521         | 2                       |
| 1880MHz_RB 1,#RB L              | Pass   | -2.51       | 20.69           | 20.69          | 0.117        | Inf               | 18.18             | 0.06577         | 2                       |
| 1880MHz_RB 1,#RB M              | Pass   | -2.51       | 20.86           | 20.86          | 0.122        | Inf               | 18.35             | 0.06839         | 2                       |
| 1880MHz_RB 1,#RB H              | Pass   | -2.51       | 20.47           | 20.47          | 0.111        | Inf               | 17.96             | 0.06252         | 2                       |
| 1880MHz_RB 36,#RB L             | Pass   | -2.51       | 20.02           | 20.02          | 0.100        | Inf               | 17.51             | 0.05636         | 2                       |
| 1880MHz_RB 36,#RB M             | Pass   | -2.51       | 19.84           | 19.84          | 0.096        | Inf               | 17.33             | 0.05408         | 2                       |
| 1880MHz_RB 36,#RB H             | Pass   | -2.51       | 19.90           | 19.90          | 0.098        | Inf               | 17.39             | 0.05483         | 2                       |
| 1902.5MHz_RB 75,#RB 0           | Pass   | -2.51       | 19.86           | 19.86          | 0.097        | Inf               | 17.35             | 0.05433         | 2                       |
| 1902.5MHz_RB 1,#RB L            | Pass   | -2.51       | 20.96           | 20.96          | 0.125        | Inf               | 18.45             | 0.06998         | 2                       |
| 1902.5MHz_RB 1,#RB M            | Pass   | -2.51       | 20.60           | 20.60          | 0.115        | Inf               | 18.09             | 0.06442         | 2                       |
| 1902.5MHz_RB 1,#RB H            | Pass   | -2.51       | 20.41           | 20.41          | 0.110        | Inf               | 17.90             | 0.06166         | 2                       |
| 1902.5MHz_RB 36,#RB L           | Pass   | -2.51       | 19.82           | 19.82          | 0.096        | Inf               | 17.31             | 0.05383         | 2                       |
| 1902.5MHz_RB 36,#RB M           | Pass   | -2.51       | 19.69           | 19.69          | 0.093        | Inf               | 17.18             | 0.05224         | 2                       |
| 1902.5MHz_RB 36,#RB H           | Pass   | -2.51       | 19.72           | 19.72          | 0.094        | Inf               | 17.21             | 0.05260         | 2                       |
| Band 2_LTE_20MHz_Nss1,64QAM_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 1860MHz_RB 100,#RB 0            | Pass   | -2.51       | 20.07           | 20.07          | 0.102        | Inf               | 17.56             | 0.05702         | 2                       |
| 1860MHz_RB 1,#RB L              | Pass   | -2.51       | 20.63           | 20.63          | 0.116        | Inf               | 18.12             | 0.06486         | 2                       |
| 1860MHz_RB 1,#RB M              | Pass   | -2.51       | 21.11           | 21.11          | 0.129        | Inf               | 18.60             | 0.07244         | 2                       |
| 1860MHz_RB 1,#RB H              | Pass   | -2.51       | 20.41           | 20.41          | 0.110        | Inf               | 17.90             | 0.06166         | 2                       |
| 1860MHz_RB 50,#RB L             | Pass   | -2.51       | 20.09           | 20.09          | 0.102        | Inf               | 17.58             | 0.05728         | 2                       |
| 1860MHz_RB 50,#RB M             | Pass   | -2.51       | 20.13           | 20.13          | 0.103        | Inf               | 17.62             | 0.05781         | 2                       |
| 1860MHz_RB 50,#RB H             | Pass   | -2.51       | 19.94           | 19.94          | 0.099        | Inf               | 17.43             | 0.05534         | 2                       |
| 1880MHz_RB 100,#RB 0            | Pass   | -2.51       | 19.92           | 19.92          | 0.098        | Inf               | 17.41             | 0.05508         | 2                       |
| 1880MHz_RB 1,#RB L              | Pass   | -2.51       | 20.74           | 20.74          | 0.119        | Inf               | 18.23             | 0.06653         | 2                       |



| Mode                            | Result | DG<br>(dBi) | Port 1<br>(dBm) | Power<br>(dBm) | Power<br>(W) | Power Lim.<br>(W) | EIRP/ERP<br>(dBm) | EIRP/ERP<br>(W) | EIRP/ERP<br>Lim.<br>(W) |
|---------------------------------|--------|-------------|-----------------|----------------|--------------|-------------------|-------------------|-----------------|-------------------------|
| 1880MHz_RB 1,#RB M              | Pass   | -2.51       | 20.98           | 20.98          | 0.125        | Inf               | 18.47             | 0.07031         | 2                       |
| 1880MHz_RB 1,#RB H              | Pass   | -2.51       | 20.13           | 20.13          | 0.103        | Inf               | 17.62             | 0.05781         | 2                       |
| 1880MHz_RB 50,#RB L             | Pass   | -2.51       | 20.14           | 20.14          | 0.103        | Inf               | 17.63             | 0.05794         | 2                       |
| 1880MHz_RB 50,#RB M             | Pass   | -2.51       | 19.89           | 19.89          | 0.097        | Inf               | 17.38             | 0.05470         | 2                       |
| 1880MHz_RB 50,#RB H             | Pass   | -2.51       | 19.75           | 19.75          | 0.094        | Inf               | 17.24             | 0.05297         | 2                       |
| 1900MHz_RB 100,#RB O            | Pass   | -2.51       | 19.74           | 19.74          | 0.094        | Inf               | 17.23             | 0.05284         | 2                       |
| 1900MHz_RB 1,#RB L              | Pass   | -2.51       | 20.64           | 20.64          | 0.116        | Inf               | 18.13             | 0.06501         | 2                       |
| 1900MHz_RB 1,#RB M              | Pass   | -2.51       | 20.58           | 20.58          | 0.114        | Inf               | 18.07             | 0.06412         | 2                       |
| 1900MHz_RB 1,#RB H              | Pass   | -2.51       | 20.18           | 20.18          | 0.104        | Inf               | 17.67             | 0.05848         | 2                       |
| 1900MHz_RB 50,#RB L             | Pass   | -2.51       | 19.87           | 19.87          | 0.097        | Inf               | 17.36             | 0.05445         | 2                       |
| 1900MHz_RB 50,#RB M             | Pass   | -2.51       | 19.75           | 19.75          | 0.094        | Inf               | 17.24             | 0.05297         | 2                       |
| 1900MHz_RB 50,#RB H             | Pass   | -2.51       | 19.88           | 19.88          | 0.097        | Inf               | 17.37             | 0.05458         | 2                       |
| Band 4_LTE_1.4MHz_Nss1,QPSK_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 1710.7MHz_RB 6,#RB O            | Pass   | -2.73       | 20.81           | 20.81          | 0.121        | Inf               | 18.08             | 0.06427         | 1                       |
| 1710.7MHz_RB 1,#RB L            | Pass   | -2.73       | 22.18           | 22.18          | 0.165        | Inf               | 19.45             | 0.08810         | 1                       |
| 1710.7MHz_RB 1,#RB M            | Pass   | -2.73       | 21.58           | 21.58          | 0.144        | Inf               | 18.85             | 0.07674         | 1                       |
| 1710.7MHz_RB 1,#RB H            | Pass   | -2.73       | 22.07           | 22.07          | 0.161        | Inf               | 19.34             | 0.08590         | 1                       |
| 1710.7MHz_RB 3,#RB L            | Pass   | -2.73       | 21.99           | 21.99          | 0.158        | Inf               | 19.26             | 0.08433         | 1                       |
| 1710.7MHz_RB 3,#RB M            | Pass   | -2.73       | 21.82           | 21.82          | 0.152        | Inf               | 19.09             | 0.08110         | 1                       |
| 1710.7MHz_RB 3,#RB H            | Pass   | -2.73       | 21.95           | 21.95          | 0.157        | Inf               | 19.22             | 0.08356         | 1                       |
| 1732.5MHz_RB 6,#RB O            | Pass   | -2.73       | 20.60           | 20.60          | 0.115        | Inf               | 17.87             | 0.06124         | 1                       |
| 1732.5MHz_RB 1,#RB L            | Pass   | -2.73       | 21.89           | 21.89          | 0.155        | Inf               | 19.16             | 0.08241         | 1                       |
| 1732.5MHz_RB 1,#RB M            | Pass   | -2.73       | 21.31           | 21.31          | 0.135        | Inf               | 18.58             | 0.07211         | 1                       |
| 1732.5MHz_RB 1,#RB H            | Pass   | -2.73       | 21.75           | 21.75          | 0.150        | Inf               | 19.02             | 0.07980         | 1                       |
| 1732.5MHz_RB 3,#RB L            | Pass   | -2.73       | 21.70           | 21.70          | 0.148        | Inf               | 18.97             | 0.07889         | 1                       |
| 1732.5MHz_RB 3,#RB M            | Pass   | -2.73       | 21.64           | 21.64          | 0.146        | Inf               | 18.91             | 0.07780         | 1                       |
| 1732.5MHz_RB 3,#RB H            | Pass   | -2.73       | 21.59           | 21.59          | 0.144        | Inf               | 18.86             | 0.07691         | 1                       |
| 1754.3MHz_RB 6,#RB O            | Pass   | -2.73       | 20.73           | 20.73          | 0.118        | Inf               | 18.00             | 0.06310         | 1                       |
| 1754.3MHz_RB 1,#RB L            | Pass   | -2.73       | 21.97           | 21.97          | 0.157        | Inf               | 19.24             | 0.08395         | 1                       |
| 1754.3MHz_RB 1,#RB M            | Pass   | -2.73       | 21.46           | 21.46          | 0.140        | Inf               | 18.73             | 0.07464         | 1                       |
| 1754.3MHz_RB 1,#RB H            | Pass   | -2.73       | 21.85           | 21.85          | 0.153        | Inf               | 19.12             | 0.08166         | 1                       |
| 1754.3MHz_RB 3,#RB L            | Pass   | -2.73       | 21.85           | 21.85          | 0.153        | Inf               | 19.12             | 0.08166         | 1                       |
| 1754.3MHz_RB 3,#RB M            | Pass   | -2.73       | 21.73           | 21.73          | 0.149        | Inf               | 19.00             | 0.07943         | 1                       |
| 1754.3MHz_RB 3,#RB H            | Pass   | -2.73       | 21.75           | 21.75          | 0.150        | Inf               | 19.02             | 0.07980         | 1                       |
| Band 4_LTE_3MHz_Nss1,QPSK_1TX   | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 1711.5MHz_RB 15,#RB O           | Pass   | -2.73       | 20.81           | 20.81          | 0.121        | Inf               | 18.08             | 0.06427         | 1                       |
| 1711.5MHz_RB 1,#RB L            | Pass   | -2.73       | 22.05           | 22.05          | 0.160        | Inf               | 19.32             | 0.08551         | 1                       |
| 1711.5MHz_RB 1,#RB M            | Pass   | -2.73       | 21.99           | 21.99          | 0.158        | Inf               | 19.26             | 0.08433         | 1                       |
| 1711.5MHz_RB 1,#RB H            | Pass   | -2.73       | 22.01           | 22.01          | 0.159        | Inf               | 19.28             | 0.08472         | 1                       |
| 1711.5MHz_RB 8,#RB L            | Pass   | -2.73       | 20.91           | 20.91          | 0.123        | Inf               | 18.18             | 0.06577         | 1                       |
| 1711.5MHz_RB 8,#RB M            | Pass   | -2.73       | 20.89           | 20.89          | 0.123        | Inf               | 18.16             | 0.06546         | 1                       |
| 1711.5MHz_RB 8,#RB H            | Pass   | -2.73       | 20.92           | 20.92          | 0.124        | Inf               | 18.19             | 0.06592         | 1                       |
| 1732.5MHz_RB 15,#RB O           | Pass   | -2.73       | 20.64           | 20.64          | 0.116        | Inf               | 17.91             | 0.06180         | 1                       |
| 1732.5MHz_RB 1,#RB L            | Pass   | -2.73       | 21.88           | 21.88          | 0.154        | Inf               | 19.15             | 0.08222         | 1                       |
| 1732.5MHz_RB 1,#RB M            | Pass   | -2.73       | 21.90           | 21.90          | 0.155        | Inf               | 19.17             | 0.08260         | 1                       |
| 1732.5MHz_RB 1,#RB H            | Pass   | -2.73       | 21.45           | 21.45          | 0.140        | Inf               | 18.72             | 0.07447         | 1                       |
| 1732.5MHz_RB 8,#RB L            | Pass   | -2.73       | 20.67           | 20.67          | 0.117        | Inf               | 17.94             | 0.06223         | 1                       |
| 1732.5MHz_RB 8,#RB M            | Pass   | -2.73       | 20.67           | 20.67          | 0.117        | Inf               | 17.94             | 0.06223         | 1                       |



## Average Power

## Appendix A.3

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm) | Power<br>(dBm) | Power<br>(W) | Power Lim.<br>(W) | EIRP/ERP<br>(dBm) | EIRP/ERP<br>(W) | EIRP/ERP<br>Lim.<br>(W) |
|--------------------------------|--------|-------------|-----------------|----------------|--------------|-------------------|-------------------|-----------------|-------------------------|
| 1732.5MHz_RB 8,#RB H           | Pass   | -2.73       | 20.69           | 20.69          | 0.117        | Inf               | 17.96             | 0.06252         | 1                       |
| 1753.5MHz_RB 15,#RB 0          | Pass   | -2.73       | 20.74           | 20.74          | 0.119        | Inf               | 18.01             | 0.06324         | 1                       |
| 1753.5MHz_RB 1,#RB L           | Pass   | -2.73       | 21.83           | 21.83          | 0.152        | Inf               | 19.10             | 0.08128         | 1                       |
| 1753.5MHz_RB 1,#RB M           | Pass   | -2.73       | 21.80           | 21.80          | 0.151        | Inf               | 19.07             | 0.08072         | 1                       |
| 1753.5MHz_RB 1,#RB H           | Pass   | -2.73       | 21.64           | 21.64          | 0.146        | Inf               | 18.91             | 0.07780         | 1                       |
| 1753.5MHz_RB 8,#RB L           | Pass   | -2.73       | 20.75           | 20.75          | 0.119        | Inf               | 18.02             | 0.06339         | 1                       |
| 1753.5MHz_RB 8,#RB M           | Pass   | -2.73       | 20.71           | 20.71          | 0.118        | Inf               | 17.98             | 0.06281         | 1                       |
| 1753.5MHz_RB 8,#RB H           | Pass   | -2.73       | 20.75           | 20.75          | 0.119        | Inf               | 18.02             | 0.06339         | 1                       |
| Band 4_LTE_5MHz_Nss1,QPSK_1TX  | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 1712.5MHz_RB 25,#RB 0          | Pass   | -2.73       | 20.73           | 20.73          | 0.118        | Inf               | 18.00             | 0.06310         | 1                       |
| 1712.5MHz_RB 1,#RB L           | Pass   | -2.73       | 21.74           | 21.74          | 0.149        | Inf               | 19.01             | 0.07962         | 1                       |
| 1712.5MHz_RB 1,#RB M           | Pass   | -2.73       | 21.79           | 21.79          | 0.151        | Inf               | 19.06             | 0.08054         | 1                       |
| 1712.5MHz_RB 1,#RB H           | Pass   | -2.73       | 21.62           | 21.62          | 0.145        | Inf               | 18.89             | 0.07745         | 1                       |
| 1712.5MHz_RB 12,#RB L          | Pass   | -2.73       | 20.93           | 20.93          | 0.124        | Inf               | 18.20             | 0.06607         | 1                       |
| 1712.5MHz_RB 12,#RB M          | Pass   | -2.73       | 20.74           | 20.74          | 0.119        | Inf               | 18.01             | 0.06324         | 1                       |
| 1712.5MHz_RB 12,#RB H          | Pass   | -2.73       | 20.77           | 20.77          | 0.119        | Inf               | 18.04             | 0.06368         | 1                       |
| 1732.5MHz_RB 25,#RB 0          | Pass   | -2.73       | 20.53           | 20.53          | 0.113        | Inf               | 17.80             | 0.06026         | 1                       |
| 1732.5MHz_RB 1,#RB L           | Pass   | -2.73       | 21.58           | 21.58          | 0.144        | Inf               | 18.85             | 0.07674         | 1                       |
| 1732.5MHz_RB 1,#RB M           | Pass   | -2.73       | 21.48           | 21.48          | 0.141        | Inf               | 18.75             | 0.07499         | 1                       |
| 1732.5MHz_RB 1,#RB H           | Pass   | -2.73       | 21.37           | 21.37          | 0.137        | Inf               | 18.64             | 0.07311         | 1                       |
| 1732.5MHz_RB 12,#RB L          | Pass   | -2.73       | 20.59           | 20.59          | 0.115        | Inf               | 17.86             | 0.06109         | 1                       |
| 1732.5MHz_RB 12,#RB M          | Pass   | -2.73       | 20.47           | 20.47          | 0.111        | Inf               | 17.74             | 0.05943         | 1                       |
| 1732.5MHz_RB 12,#RB H          | Pass   | -2.73       | 20.46           | 20.46          | 0.111        | Inf               | 17.73             | 0.05929         | 1                       |
| 1752.5MHz_RB 25,#RB 0          | Pass   | -2.73       | 20.59           | 20.59          | 0.115        | Inf               | 17.86             | 0.06109         | 1                       |
| 1752.5MHz_RB 1,#RB L           | Pass   | -2.73       | 21.60           | 21.60          | 0.145        | Inf               | 18.87             | 0.07709         | 1                       |
| 1752.5MHz_RB 1,#RB M           | Pass   | -2.73       | 21.68           | 21.68          | 0.147        | Inf               | 18.95             | 0.07852         | 1                       |
| 1752.5MHz_RB 1,#RB H           | Pass   | -2.73       | 21.53           | 21.53          | 0.142        | Inf               | 18.80             | 0.07586         | 1                       |
| 1752.5MHz_RB 12,#RB L          | Pass   | -2.73       | 20.59           | 20.59          | 0.115        | Inf               | 17.86             | 0.06109         | 1                       |
| 1752.5MHz_RB 12,#RB M          | Pass   | -2.73       | 20.62           | 20.62          | 0.115        | Inf               | 17.89             | 0.06152         | 1                       |
| 1752.5MHz_RB 12,#RB H          | Pass   | -2.73       | 20.56           | 20.56          | 0.114        | Inf               | 17.83             | 0.06067         | 1                       |
| Band 4_LTE_10MHz_Nss1,QPSK_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 1715MHz_RB 50,#RB 0            | Pass   | -2.73       | 20.73           | 20.73          | 0.118        | Inf               | 18.00             | 0.06310         | 1                       |
| 1715MHz_RB 1,#RB L             | Pass   | -2.73       | 22.02           | 22.02          | 0.159        | Inf               | 19.29             | 0.08492         | 1                       |
| 1715MHz_RB 1,#RB M             | Pass   | -2.73       | 21.90           | 21.90          | 0.155        | Inf               | 19.17             | 0.08260         | 1                       |
| 1715MHz_RB 1,#RB H             | Pass   | -2.73       | 21.62           | 21.62          | 0.145        | Inf               | 18.89             | 0.07745         | 1                       |
| 1715MHz_RB 25,#RB L            | Pass   | -2.73       | 20.89           | 20.89          | 0.123        | Inf               | 18.16             | 0.06546         | 1                       |
| 1715MHz_RB 25,#RB M            | Pass   | -2.73       | 20.76           | 20.76          | 0.119        | Inf               | 18.03             | 0.06353         | 1                       |
| 1715MHz_RB 25,#RB H            | Pass   | -2.73       | 20.69           | 20.69          | 0.117        | Inf               | 17.96             | 0.06252         | 1                       |
| 1732.5MHz_RB 50,#RB 0          | Pass   | -2.73       | 20.56           | 20.56          | 0.114        | Inf               | 17.83             | 0.06067         | 1                       |
| 1732.5MHz_RB 1,#RB L           | Pass   | -2.73       | 21.71           | 21.71          | 0.148        | Inf               | 18.98             | 0.07907         | 1                       |
| 1732.5MHz_RB 1,#RB M           | Pass   | -2.73       | 21.66           | 21.66          | 0.147        | Inf               | 18.93             | 0.07816         | 1                       |
| 1732.5MHz_RB 1,#RB H           | Pass   | -2.73       | 21.58           | 21.58          | 0.144        | Inf               | 18.85             | 0.07674         | 1                       |
| 1732.5MHz_RB 25,#RB L          | Pass   | -2.73       | 20.68           | 20.68          | 0.117        | Inf               | 17.95             | 0.06237         | 1                       |
| 1732.5MHz_RB 25,#RB M          | Pass   | -2.73       | 20.56           | 20.56          | 0.114        | Inf               | 17.83             | 0.06067         | 1                       |
| 1732.5MHz_RB 25,#RB H          | Pass   | -2.73       | 20.51           | 20.51          | 0.112        | Inf               | 17.78             | 0.05998         | 1                       |
| 1750MHz_RB 50,#RB 0            | Pass   | -2.73       | 20.58           | 20.58          | 0.114        | Inf               | 17.85             | 0.06095         | 1                       |
| 1750MHz_RB 1,#RB L             | Pass   | -2.73       | 21.59           | 21.59          | 0.144        | Inf               | 18.86             | 0.07691         | 1                       |
| 1750MHz_RB 1,#RB M             | Pass   | -2.73       | 21.79           | 21.79          | 0.151        | Inf               | 19.06             | 0.08054         | 1                       |



## Average Power

## Appendix A.3

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm) | Power<br>(dBm) | Power<br>(W) | Power Lim.<br>(W) | EIRP/ERP<br>(dBm) | EIRP/ERP<br>(W) | EIRP/ERP<br>Lim.<br>(W) |
|--------------------------------|--------|-------------|-----------------|----------------|--------------|-------------------|-------------------|-----------------|-------------------------|
| 1750MHz_RB 1,#RB H             | Pass   | -2.73       | 21.60           | 21.60          | 0.145        | Inf               | 18.87             | 0.07709         | 1                       |
| 1750MHz_RB 25,#RB L            | Pass   | -2.73       | 20.68           | 20.68          | 0.117        | Inf               | 17.95             | 0.06237         | 1                       |
| 1750MHz_RB 25,#RB M            | Pass   | -2.73       | 20.63           | 20.63          | 0.116        | Inf               | 17.90             | 0.06166         | 1                       |
| 1750MHz_RB 25,#RB H            | Pass   | -2.73       | 20.63           | 20.63          | 0.116        | Inf               | 17.90             | 0.06166         | 1                       |
| Band 4_LTE_15MHz_Nss1,QPSK_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 1717.5MHz_RB 75,#RB 0          | Pass   | -2.73       | 20.84           | 20.84          | 0.121        | Inf               | 18.11             | 0.06471         | 1                       |
| 1717.5MHz_RB 1,#RB L           | Pass   | -2.73       | 21.66           | 21.66          | 0.147        | Inf               | 18.93             | 0.07816         | 1                       |
| 1717.5MHz_RB 1,#RB M           | Pass   | -2.73       | 21.67           | 21.67          | 0.147        | Inf               | 18.94             | 0.07834         | 1                       |
| 1717.5MHz_RB 1,#RB H           | Pass   | -2.73       | 21.30           | 21.30          | 0.135        | Inf               | 18.57             | 0.07194         | 1                       |
| 1717.5MHz_RB 36,#RB L          | Pass   | -2.73       | 20.95           | 20.95          | 0.124        | Inf               | 18.22             | 0.06637         | 1                       |
| 1717.5MHz_RB 36,#RB M          | Pass   | -2.73       | 20.74           | 20.74          | 0.119        | Inf               | 18.01             | 0.06324         | 1                       |
| 1717.5MHz_RB 36,#RB H          | Pass   | -2.73       | 20.76           | 20.76          | 0.119        | Inf               | 18.03             | 0.06353         | 1                       |
| 1732.5MHz_RB 75,#RB 0          | Pass   | -2.73       | 20.66           | 20.66          | 0.116        | Inf               | 17.93             | 0.06209         | 1                       |
| 1732.5MHz_RB 1,#RB L           | Pass   | -2.73       | 21.56           | 21.56          | 0.143        | Inf               | 18.83             | 0.07638         | 1                       |
| 1732.5MHz_RB 1,#RB M           | Pass   | -2.73       | 21.48           | 21.48          | 0.141        | Inf               | 18.75             | 0.07499         | 1                       |
| 1732.5MHz_RB 1,#RB H           | Pass   | -2.73       | 21.27           | 21.27          | 0.134        | Inf               | 18.54             | 0.07145         | 1                       |
| 1732.5MHz_RB 36,#RB L          | Pass   | -2.73       | 20.76           | 20.76          | 0.119        | Inf               | 18.03             | 0.06353         | 1                       |
| 1732.5MHz_RB 36,#RB M          | Pass   | -2.73       | 20.56           | 20.56          | 0.114        | Inf               | 17.83             | 0.06067         | 1                       |
| 1732.5MHz_RB 36,#RB H          | Pass   | -2.73       | 20.66           | 20.66          | 0.116        | Inf               | 17.93             | 0.06209         | 1                       |
| 1747.5MHz_RB 75,#RB 0          | Pass   | -2.73       | 20.67           | 20.67          | 0.117        | Inf               | 17.94             | 0.06223         | 1                       |
| 1747.5MHz_RB 1,#RB L           | Pass   | -2.73       | 21.67           | 21.67          | 0.147        | Inf               | 18.94             | 0.07834         | 1                       |
| 1747.5MHz_RB 1,#RB M           | Pass   | -2.73       | 21.58           | 21.58          | 0.144        | Inf               | 18.85             | 0.07674         | 1                       |
| 1747.5MHz_RB 1,#RB H           | Pass   | -2.73       | 21.34           | 21.34          | 0.136        | Inf               | 18.61             | 0.07261         | 1                       |
| 1747.5MHz_RB 36,#RB L          | Pass   | -2.73       | 20.70           | 20.70          | 0.117        | Inf               | 17.97             | 0.06266         | 1                       |
| 1747.5MHz_RB 36,#RB M          | Pass   | -2.73       | 20.60           | 20.60          | 0.115        | Inf               | 17.87             | 0.06124         | 1                       |
| 1747.5MHz_RB 36,#RB H          | Pass   | -2.73       | 20.70           | 20.70          | 0.117        | Inf               | 17.97             | 0.06266         | 1                       |
| Band 4_LTE_20MHz_Nss1,QPSK_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 1720MHz_RB 100,#RB 0           | Pass   | -2.73       | 20.71           | 20.71          | 0.118        | Inf               | 17.98             | 0.06281         | 1                       |
| 1720MHz_RB 1,#RB L             | Pass   | -2.73       | 21.70           | 21.70          | 0.148        | Inf               | 18.97             | 0.07889         | 1                       |
| 1720MHz_RB 1,#RB M             | Pass   | -2.73       | 21.65           | 21.65          | 0.146        | Inf               | 18.92             | 0.07798         | 1                       |
| 1720MHz_RB 1,#RB H             | Pass   | -2.73       | 20.92           | 20.92          | 0.124        | Inf               | 18.19             | 0.06592         | 1                       |
| 1720MHz_RB 50,#RB L            | Pass   | -2.73       | 20.88           | 20.88          | 0.122        | Inf               | 18.15             | 0.06531         | 1                       |
| 1720MHz_RB 50,#RB M            | Pass   | -2.73       | 20.73           | 20.73          | 0.118        | Inf               | 18.00             | 0.06310         | 1                       |
| 1720MHz_RB 50,#RB H            | Pass   | -2.73       | 20.58           | 20.58          | 0.114        | Inf               | 17.85             | 0.06095         | 1                       |
| 1732.5MHz_RB 100,#RB 0         | Pass   | -2.73       | 20.72           | 20.72          | 0.118        | Inf               | 17.99             | 0.06295         | 1                       |
| 1732.5MHz_RB 1,#RB L           | Pass   | -2.73       | 21.53           | 21.53          | 0.142        | Inf               | 18.80             | 0.07586         | 1                       |
| 1732.5MHz_RB 1,#RB M           | Pass   | -2.73       | 21.53           | 21.53          | 0.142        | Inf               | 18.80             | 0.07586         | 1                       |
| 1732.5MHz_RB 1,#RB H           | Pass   | -2.73       | 21.08           | 21.08          | 0.128        | Inf               | 18.35             | 0.06839         | 1                       |
| 1732.5MHz_RB 50,#RB L          | Pass   | -2.73       | 20.80           | 20.80          | 0.120        | Inf               | 18.07             | 0.06412         | 1                       |
| 1732.5MHz_RB 50,#RB M          | Pass   | -2.73       | 20.58           | 20.58          | 0.114        | Inf               | 17.85             | 0.06095         | 1                       |
| 1732.5MHz_RB 50,#RB H          | Pass   | -2.73       | 20.68           | 20.68          | 0.117        | Inf               | 17.95             | 0.06237         | 1                       |
| 1745MHz_RB 100,#RB 0           | Pass   | -2.73       | 20.69           | 20.69          | 0.117        | Inf               | 17.96             | 0.06252         | 1                       |
| 1745MHz_RB 1,#RB L             | Pass   | -2.73       | 21.26           | 21.26          | 0.134        | Inf               | 18.53             | 0.07129         | 1                       |
| 1745MHz_RB 1,#RB M             | Pass   | -2.73       | 21.58           | 21.58          | 0.144        | Inf               | 18.85             | 0.07674         | 1                       |
| 1745MHz_RB 1,#RB H             | Pass   | -2.73       | 21.03           | 21.03          | 0.127        | Inf               | 18.30             | 0.06761         | 1                       |
| 1745MHz_RB 50,#RB L            | Pass   | -2.73       | 20.71           | 20.71          | 0.118        | Inf               | 17.98             | 0.06281         | 1                       |
| 1745MHz_RB 50,#RB M            | Pass   | -2.73       | 20.64           | 20.64          | 0.116        | Inf               | 17.91             | 0.06180         | 1                       |
| 1745MHz_RB 50,#RB H            | Pass   | -2.73       | 20.58           | 20.58          | 0.114        | Inf               | 17.85             | 0.06095         | 1                       |



## Average Power

## Appendix A.3

| Mode                             | Result | DG<br>(dB) | Port 1<br>(dBm) | Power<br>(dBm) | Power<br>(W) | Power Lim.<br>(W) | EIRP/ERP<br>(dBm) | EIRP/ERP<br>(W) | EIRP/ERP<br>Lim.<br>(W) |
|----------------------------------|--------|------------|-----------------|----------------|--------------|-------------------|-------------------|-----------------|-------------------------|
| Band 4_LTE_1.4MHz_Nss1,16QAM_1TX | -      | -          | -               | -              | -            | -                 | -                 | -               | -                       |
| 1710.7MHz_RB 6,#RB 0             | Pass   | -2.73      | 19.89           | 19.89          | 0.097        | Inf               | 17.16             | 0.05200         | 1                       |
| 1710.7MHz_RB 1,#RB L             | Pass   | -2.73      | 21.17           | 21.17          | 0.131        | Inf               | 18.44             | 0.06982         | 1                       |
| 1710.7MHz_RB 1,#RB M             | Pass   | -2.73      | 20.81           | 20.81          | 0.121        | Inf               | 18.08             | 0.06427         | 1                       |
| 1710.7MHz_RB 1,#RB H             | Pass   | -2.73      | 21.23           | 21.23          | 0.133        | Inf               | 18.50             | 0.07079         | 1                       |
| 1710.7MHz_RB 3,#RB L             | Pass   | -2.73      | 20.94           | 20.94          | 0.124        | Inf               | 18.21             | 0.06622         | 1                       |
| 1710.7MHz_RB 3,#RB M             | Pass   | -2.73      | 20.74           | 20.74          | 0.119        | Inf               | 18.01             | 0.06324         | 1                       |
| 1710.7MHz_RB 3,#RB H             | Pass   | -2.73      | 20.88           | 20.88          | 0.122        | Inf               | 18.15             | 0.06531         | 1                       |
| 1732.5MHz_RB 6,#RB 0             | Pass   | -2.73      | 19.71           | 19.71          | 0.094        | Inf               | 16.98             | 0.04989         | 1                       |
| 1732.5MHz_RB 1,#RB L             | Pass   | -2.73      | 21.08           | 21.08          | 0.128        | Inf               | 18.35             | 0.06839         | 1                       |
| 1732.5MHz_RB 1,#RB M             | Pass   | -2.73      | 20.64           | 20.64          | 0.116        | Inf               | 17.91             | 0.06180         | 1                       |
| 1732.5MHz_RB 1,#RB H             | Pass   | -2.73      | 21.01           | 21.01          | 0.126        | Inf               | 18.28             | 0.06730         | 1                       |
| 1732.5MHz_RB 3,#RB L             | Pass   | -2.73      | 20.60           | 20.60          | 0.115        | Inf               | 17.87             | 0.06124         | 1                       |
| 1732.5MHz_RB 3,#RB M             | Pass   | -2.73      | 20.48           | 20.48          | 0.112        | Inf               | 17.75             | 0.05957         | 1                       |
| 1732.5MHz_RB 3,#RB H             | Pass   | -2.73      | 20.64           | 20.64          | 0.116        | Inf               | 17.91             | 0.06180         | 1                       |
| 1754.3MHz_RB 6,#RB 0             | Pass   | -2.73      | 19.79           | 19.79          | 0.095        | Inf               | 17.06             | 0.05082         | 1                       |
| 1754.3MHz_RB 1,#RB L             | Pass   | -2.73      | 21.20           | 21.20          | 0.132        | Inf               | 18.47             | 0.07031         | 1                       |
| 1754.3MHz_RB 1,#RB M             | Pass   | -2.73      | 20.72           | 20.72          | 0.118        | Inf               | 17.99             | 0.06295         | 1                       |
| 1754.3MHz_RB 1,#RB H             | Pass   | -2.73      | 21.17           | 21.17          | 0.131        | Inf               | 18.44             | 0.06982         | 1                       |
| 1754.3MHz_RB 3,#RB L             | Pass   | -2.73      | 20.78           | 20.78          | 0.120        | Inf               | 18.05             | 0.06383         | 1                       |
| 1754.3MHz_RB 3,#RB M             | Pass   | -2.73      | 20.62           | 20.62          | 0.115        | Inf               | 17.89             | 0.06152         | 1                       |
| 1754.3MHz_RB 3,#RB H             | Pass   | -2.73      | 20.72           | 20.72          | 0.118        | Inf               | 17.99             | 0.06295         | 1                       |
| Band 4_LTE_3MHz_Nss1,16QAM_1TX   | -      | -          | -               | -              | -            | -                 | -                 | -               | -                       |
| 1711.5MHz_RB 15,#RB 0            | Pass   | -2.73      | 19.93           | 19.93          | 0.098        | Inf               | 17.20             | 0.05248         | 1                       |
| 1711.5MHz_RB 1,#RB L             | Pass   | -2.73      | 21.31           | 21.31          | 0.135        | Inf               | 18.58             | 0.07211         | 1                       |
| 1711.5MHz_RB 1,#RB M             | Pass   | -2.73      | 21.24           | 21.24          | 0.133        | Inf               | 18.51             | 0.07096         | 1                       |
| 1711.5MHz_RB 1,#RB H             | Pass   | -2.73      | 21.03           | 21.03          | 0.127        | Inf               | 18.30             | 0.06761         | 1                       |
| 1711.5MHz_RB 8,#RB L             | Pass   | -2.73      | 19.96           | 19.96          | 0.099        | Inf               | 17.23             | 0.05284         | 1                       |
| 1711.5MHz_RB 8,#RB M             | Pass   | -2.73      | 19.92           | 19.92          | 0.098        | Inf               | 17.19             | 0.05236         | 1                       |
| 1711.5MHz_RB 8,#RB H             | Pass   | -2.73      | 19.92           | 19.92          | 0.098        | Inf               | 17.19             | 0.05236         | 1                       |
| 1732.5MHz_RB 15,#RB 0            | Pass   | -2.73      | 19.71           | 19.71          | 0.094        | Inf               | 16.98             | 0.04989         | 1                       |
| 1732.5MHz_RB 1,#RB L             | Pass   | -2.73      | 21.13           | 21.13          | 0.130        | Inf               | 18.40             | 0.06918         | 1                       |
| 1732.5MHz_RB 1,#RB M             | Pass   | -2.73      | 21.06           | 21.06          | 0.128        | Inf               | 18.33             | 0.06808         | 1                       |
| 1732.5MHz_RB 1,#RB H             | Pass   | -2.73      | 20.86           | 20.86          | 0.122        | Inf               | 18.13             | 0.06501         | 1                       |
| 1732.5MHz_RB 8,#RB L             | Pass   | -2.73      | 19.77           | 19.77          | 0.095        | Inf               | 17.04             | 0.05058         | 1                       |
| 1732.5MHz_RB 8,#RB M             | Pass   | -2.73      | 19.76           | 19.76          | 0.095        | Inf               | 17.03             | 0.05047         | 1                       |
| 1732.5MHz_RB 8,#RB H             | Pass   | -2.73      | 19.59           | 19.59          | 0.091        | Inf               | 16.86             | 0.04853         | 1                       |
| 1753.5MHz_RB 15,#RB 0            | Pass   | -2.73      | 19.82           | 19.82          | 0.096        | Inf               | 17.09             | 0.05117         | 1                       |
| 1753.5MHz_RB 1,#RB L             | Pass   | -2.73      | 21.05           | 21.05          | 0.127        | Inf               | 18.32             | 0.06792         | 1                       |
| 1753.5MHz_RB 1,#RB M             | Pass   | -2.73      | 20.94           | 20.94          | 0.124        | Inf               | 18.21             | 0.06622         | 1                       |
| 1753.5MHz_RB 1,#RB H             | Pass   | -2.73      | 20.68           | 20.68          | 0.117        | Inf               | 17.95             | 0.06237         | 1                       |
| 1753.5MHz_RB 8,#RB L             | Pass   | -2.73      | 19.85           | 19.85          | 0.097        | Inf               | 17.12             | 0.05152         | 1                       |
| 1753.5MHz_RB 8,#RB M             | Pass   | -2.73      | 19.79           | 19.79          | 0.095        | Inf               | 17.06             | 0.05082         | 1                       |
| 1753.5MHz_RB 8,#RB H             | Pass   | -2.73      | 19.80           | 19.80          | 0.095        | Inf               | 17.07             | 0.05093         | 1                       |
| Band 4_LTE_5MHz_Nss1,16QAM_1TX   | -      | -          | -               | -              | -            | -                 | -                 | -               | -                       |
| 1712.5MHz_RB 25,#RB 0            | Pass   | -2.73      | 19.76           | 19.76          | 0.095        | Inf               | 17.03             | 0.05047         | 1                       |
| 1712.5MHz_RB 1,#RB L             | Pass   | -2.73      | 20.87           | 20.87          | 0.122        | Inf               | 18.14             | 0.06516         | 1                       |
| 1712.5MHz_RB 1,#RB M             | Pass   | -2.73      | 21.13           | 21.13          | 0.130        | Inf               | 18.40             | 0.06918         | 1                       |





## Average Power

## Appendix A.3

| Mode                            | Result | DG<br>(dBi) | Port 1<br>(dBm) | Power<br>(dBm) | Power<br>(W) | Power Lim.<br>(W) | EIRP/ERP<br>(dBm) | EIRP/ERP<br>(W) | EIRP/ERP<br>Lim.<br>(W) |
|---------------------------------|--------|-------------|-----------------|----------------|--------------|-------------------|-------------------|-----------------|-------------------------|
| 1712.5MHz_RB 1,#RB H            | Pass   | -2.73       | 20.78           | 20.78          | 0.120        | Inf               | 18.05             | 0.06383         | 1                       |
| 1712.5MHz_RB 12,#RB L           | Pass   | -2.73       | 19.77           | 19.77          | 0.095        | Inf               | 17.04             | 0.05058         | 1                       |
| 1712.5MHz_RB 12,#RB M           | Pass   | -2.73       | 19.79           | 19.79          | 0.095        | Inf               | 17.06             | 0.05082         | 1                       |
| 1712.5MHz_RB 12,#RB H           | Pass   | -2.73       | 19.74           | 19.74          | 0.094        | Inf               | 17.01             | 0.05023         | 1                       |
| 1732.5MHz_RB 25,#RB 0           | Pass   | -2.73       | 19.58           | 19.58          | 0.091        | Inf               | 16.85             | 0.04842         | 1                       |
| 1732.5MHz_RB 1,#RB L            | Pass   | -2.73       | 20.71           | 20.71          | 0.118        | Inf               | 17.98             | 0.06281         | 1                       |
| 1732.5MHz_RB 1,#RB M            | Pass   | -2.73       | 20.70           | 20.70          | 0.117        | Inf               | 17.97             | 0.06266         | 1                       |
| 1732.5MHz_RB 1,#RB H            | Pass   | -2.73       | 20.60           | 20.60          | 0.115        | Inf               | 17.87             | 0.06124         | 1                       |
| 1732.5MHz_RB 12,#RB L           | Pass   | -2.73       | 19.59           | 19.59          | 0.091        | Inf               | 16.86             | 0.04853         | 1                       |
| 1732.5MHz_RB 12,#RB M           | Pass   | -2.73       | 19.55           | 19.55          | 0.090        | Inf               | 16.82             | 0.04808         | 1                       |
| 1732.5MHz_RB 12,#RB H           | Pass   | -2.73       | 19.52           | 19.52          | 0.090        | Inf               | 16.79             | 0.04775         | 1                       |
| 1752.5MHz_RB 25,#RB 0           | Pass   | -2.73       | 19.65           | 19.65          | 0.092        | Inf               | 16.92             | 0.04920         | 1                       |
| 1752.5MHz_RB 1,#RB L            | Pass   | -2.73       | 20.69           | 20.69          | 0.117        | Inf               | 17.96             | 0.06252         | 1                       |
| 1752.5MHz_RB 1,#RB M            | Pass   | -2.73       | 20.78           | 20.78          | 0.120        | Inf               | 18.05             | 0.06383         | 1                       |
| 1752.5MHz_RB 1,#RB H            | Pass   | -2.73       | 20.74           | 20.74          | 0.119        | Inf               | 18.01             | 0.06324         | 1                       |
| 1752.5MHz_RB 12,#RB L           | Pass   | -2.73       | 19.65           | 19.65          | 0.092        | Inf               | 16.92             | 0.04920         | 1                       |
| 1752.5MHz_RB 12,#RB M           | Pass   | -2.73       | 19.64           | 19.64          | 0.092        | Inf               | 16.91             | 0.04909         | 1                       |
| 1752.5MHz_RB 12,#RB H           | Pass   | -2.73       | 19.58           | 19.58          | 0.091        | Inf               | 16.85             | 0.04842         | 1                       |
| Band 4_LTE_10MHz_Nss1,16QAM_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 1715MHz_RB 50,#RB 0             | Pass   | -2.73       | 19.78           | 19.78          | 0.095        | Inf               | 17.05             | 0.05070         | 1                       |
| 1715MHz_RB 1,#RB L              | Pass   | -2.73       | 21.34           | 21.34          | 0.136        | Inf               | 18.61             | 0.07261         | 1                       |
| 1715MHz_RB 1,#RB M              | Pass   | -2.73       | 21.24           | 21.24          | 0.133        | Inf               | 18.51             | 0.07096         | 1                       |
| 1715MHz_RB 1,#RB H              | Pass   | -2.73       | 20.84           | 20.84          | 0.121        | Inf               | 18.11             | 0.06471         | 1                       |
| 1715MHz_RB 25,#RB L             | Pass   | -2.73       | 19.91           | 19.91          | 0.098        | Inf               | 17.18             | 0.05224         | 1                       |
| 1715MHz_RB 25,#RB M             | Pass   | -2.73       | 19.77           | 19.77          | 0.095        | Inf               | 17.04             | 0.05058         | 1                       |
| 1715MHz_RB 25,#RB H             | Pass   | -2.73       | 19.73           | 19.73          | 0.094        | Inf               | 17.00             | 0.05012         | 1                       |
| 1732.5MHz_RB 50,#RB 0           | Pass   | -2.73       | 19.60           | 19.60          | 0.091        | Inf               | 16.87             | 0.04864         | 1                       |
| 1732.5MHz_RB 1,#RB L            | Pass   | -2.73       | 21.13           | 21.13          | 0.130        | Inf               | 18.40             | 0.06918         | 1                       |
| 1732.5MHz_RB 1,#RB M            | Pass   | -2.73       | 20.89           | 20.89          | 0.123        | Inf               | 18.16             | 0.06546         | 1                       |
| 1732.5MHz_RB 1,#RB H            | Pass   | -2.73       | 20.77           | 20.77          | 0.119        | Inf               | 18.04             | 0.06368         | 1                       |
| 1732.5MHz_RB 25,#RB L           | Pass   | -2.73       | 19.65           | 19.65          | 0.092        | Inf               | 16.92             | 0.04920         | 1                       |
| 1732.5MHz_RB 25,#RB M           | Pass   | -2.73       | 19.59           | 19.59          | 0.091        | Inf               | 16.86             | 0.04853         | 1                       |
| 1732.5MHz_RB 25,#RB H           | Pass   | -2.73       | 19.50           | 19.50          | 0.089        | Inf               | 16.77             | 0.04753         | 1                       |
| 1750MHz_RB 50,#RB 0             | Pass   | -2.73       | 19.71           | 19.71          | 0.094        | Inf               | 16.98             | 0.04989         | 1                       |
| 1750MHz_RB 1,#RB L              | Pass   | -2.73       | 20.90           | 20.90          | 0.123        | Inf               | 18.17             | 0.06561         | 1                       |
| 1750MHz_RB 1,#RB M              | Pass   | -2.73       | 20.86           | 20.86          | 0.122        | Inf               | 18.13             | 0.06501         | 1                       |
| 1750MHz_RB 1,#RB H              | Pass   | -2.73       | 20.83           | 20.83          | 0.121        | Inf               | 18.10             | 0.06457         | 1                       |
| 1750MHz_RB 25,#RB L             | Pass   | -2.73       | 19.72           | 19.72          | 0.094        | Inf               | 16.99             | 0.05000         | 1                       |
| 1750MHz_RB 25,#RB M             | Pass   | -2.73       | 19.67           | 19.67          | 0.093        | Inf               | 16.94             | 0.04943         | 1                       |
| 1750MHz_RB 25,#RB H             | Pass   | -2.73       | 19.67           | 19.67          | 0.093        | Inf               | 16.94             | 0.04943         | 1                       |
| Band 4_LTE_15MHz_Nss1,16QAM_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 1717.5MHz_RB 75,#RB 0           | Pass   | -2.73       | 19.76           | 19.76          | 0.095        | Inf               | 17.03             | 0.05047         | 1                       |
| 1717.5MHz_RB 1,#RB L            | Pass   | -2.73       | 20.88           | 20.88          | 0.122        | Inf               | 18.15             | 0.06531         | 1                       |
| 1717.5MHz_RB 1,#RB M            | Pass   | -2.73       | 20.85           | 20.85          | 0.122        | Inf               | 18.12             | 0.06486         | 1                       |
| 1717.5MHz_RB 1,#RB H            | Pass   | -2.73       | 20.33           | 20.33          | 0.108        | Inf               | 17.60             | 0.05754         | 1                       |
| 1717.5MHz_RB 36,#RB L           | Pass   | -2.73       | 19.96           | 19.96          | 0.099        | Inf               | 17.23             | 0.05284         | 1                       |
| 1717.5MHz_RB 36,#RB M           | Pass   | -2.73       | 19.71           | 19.71          | 0.094        | Inf               | 16.98             | 0.04989         | 1                       |
| 1717.5MHz_RB 36,#RB H           | Pass   | -2.73       | 19.70           | 19.70          | 0.093        | Inf               | 16.97             | 0.04977         | 1                       |



## Average Power

## Appendix A.3

| Mode                             | Result | DG<br>(dBi) | Port 1<br>(dBm) | Power<br>(dBm) | Power<br>(W) | Power Lim.<br>(W) | EIRP/ERP<br>(dBm) | EIRP/ERP<br>(W) | EIRP/ERP<br>Lim.<br>(W) |
|----------------------------------|--------|-------------|-----------------|----------------|--------------|-------------------|-------------------|-----------------|-------------------------|
| 1732.5MHz_RB 75,#RB 0            | Pass   | -2.73       | 19.64           | 19.64          | 0.092        | Inf               | 16.91             | 0.04909         | 1                       |
| 1732.5MHz_RB 1,#RB L             | Pass   | -2.73       | 20.71           | 20.71          | 0.118        | Inf               | 17.98             | 0.06281         | 1                       |
| 1732.5MHz_RB 1,#RB M             | Pass   | -2.73       | 20.70           | 20.70          | 0.117        | Inf               | 17.97             | 0.06266         | 1                       |
| 1732.5MHz_RB 1,#RB H             | Pass   | -2.73       | 20.36           | 20.36          | 0.109        | Inf               | 17.63             | 0.05794         | 1                       |
| 1732.5MHz_RB 36,#RB L            | Pass   | -2.73       | 19.77           | 19.77          | 0.095        | Inf               | 17.04             | 0.05058         | 1                       |
| 1732.5MHz_RB 36,#RB M            | Pass   | -2.73       | 19.50           | 19.50          | 0.089        | Inf               | 16.77             | 0.04753         | 1                       |
| 1732.5MHz_RB 36,#RB H            | Pass   | -2.73       | 19.58           | 19.58          | 0.091        | Inf               | 16.85             | 0.04842         | 1                       |
| 1747.5MHz_RB 75,#RB 0            | Pass   | -2.73       | 19.69           | 19.69          | 0.093        | Inf               | 16.96             | 0.04966         | 1                       |
| 1747.5MHz_RB 1,#RB L             | Pass   | -2.73       | 20.74           | 20.74          | 0.119        | Inf               | 18.01             | 0.06324         | 1                       |
| 1747.5MHz_RB 1,#RB M             | Pass   | -2.73       | 20.68           | 20.68          | 0.117        | Inf               | 17.95             | 0.06237         | 1                       |
| 1747.5MHz_RB 1,#RB H             | Pass   | -2.73       | 20.68           | 20.68          | 0.117        | Inf               | 17.95             | 0.06237         | 1                       |
| 1747.5MHz_RB 36,#RB L            | Pass   | -2.73       | 19.75           | 19.75          | 0.094        | Inf               | 17.02             | 0.05035         | 1                       |
| 1747.5MHz_RB 36,#RB M            | Pass   | -2.73       | 19.61           | 19.61          | 0.091        | Inf               | 16.88             | 0.04875         | 1                       |
| 1747.5MHz_RB 36,#RB H            | Pass   | -2.73       | 19.61           | 19.61          | 0.091        | Inf               | 16.88             | 0.04875         | 1                       |
| Band 4_LTE_20MHz_Nss1,16QAM_1TX  | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 1720MHz_RB 100,#RB 0             | Pass   | -2.73       | 19.81           | 19.81          | 0.096        | Inf               | 17.08             | 0.05105         | 1                       |
| 1720MHz_RB 1,#RB L               | Pass   | -2.73       | 20.63           | 20.63          | 0.116        | Inf               | 17.90             | 0.06166         | 1                       |
| 1720MHz_RB 1,#RB M               | Pass   | -2.73       | 20.87           | 20.87          | 0.122        | Inf               | 18.14             | 0.06516         | 1                       |
| 1720MHz_RB 1,#RB H               | Pass   | -2.73       | 20.25           | 20.25          | 0.106        | Inf               | 17.52             | 0.05649         | 1                       |
| 1720MHz_RB 50,#RB L              | Pass   | -2.73       | 19.88           | 19.88          | 0.097        | Inf               | 17.15             | 0.05188         | 1                       |
| 1720MHz_RB 50,#RB M              | Pass   | -2.73       | 19.72           | 19.72          | 0.094        | Inf               | 16.99             | 0.05000         | 1                       |
| 1720MHz_RB 50,#RB H              | Pass   | -2.73       | 19.55           | 19.55          | 0.090        | Inf               | 16.82             | 0.04808         | 1                       |
| 1732.5MHz_RB 100,#RB 0           | Pass   | -2.73       | 19.62           | 19.62          | 0.092        | Inf               | 16.89             | 0.04887         | 1                       |
| 1732.5MHz_RB 1,#RB L             | Pass   | -2.73       | 20.43           | 20.43          | 0.110        | Inf               | 17.70             | 0.05888         | 1                       |
| 1732.5MHz_RB 1,#RB M             | Pass   | -2.73       | 20.76           | 20.76          | 0.119        | Inf               | 18.03             | 0.06353         | 1                       |
| 1732.5MHz_RB 1,#RB H             | Pass   | -2.73       | 20.21           | 20.21          | 0.105        | Inf               | 17.48             | 0.05598         | 1                       |
| 1732.5MHz_RB 50,#RB L            | Pass   | -2.73       | 19.73           | 19.73          | 0.094        | Inf               | 17.00             | 0.05012         | 1                       |
| 1732.5MHz_RB 50,#RB M            | Pass   | -2.73       | 19.59           | 19.59          | 0.091        | Inf               | 16.86             | 0.04853         | 1                       |
| 1732.5MHz_RB 50,#RB H            | Pass   | -2.73       | 19.60           | 19.60          | 0.091        | Inf               | 16.87             | 0.04864         | 1                       |
| 1745MHz_RB 100,#RB 0             | Pass   | -2.73       | 19.68           | 19.68          | 0.093        | Inf               | 16.95             | 0.04955         | 1                       |
| 1745MHz_RB 1,#RB L               | Pass   | -2.73       | 20.53           | 20.53          | 0.113        | Inf               | 17.80             | 0.06026         | 1                       |
| 1745MHz_RB 1,#RB M               | Pass   | -2.73       | 20.81           | 20.81          | 0.121        | Inf               | 18.08             | 0.06427         | 1                       |
| 1745MHz_RB 1,#RB H               | Pass   | -2.73       | 20.11           | 20.11          | 0.103        | Inf               | 17.38             | 0.05470         | 1                       |
| 1745MHz_RB 50,#RB L              | Pass   | -2.73       | 19.74           | 19.74          | 0.094        | Inf               | 17.01             | 0.05023         | 1                       |
| 1745MHz_RB 50,#RB M              | Pass   | -2.73       | 19.65           | 19.65          | 0.092        | Inf               | 16.92             | 0.04920         | 1                       |
| 1745MHz_RB 50,#RB H              | Pass   | -2.73       | 19.61           | 19.61          | 0.091        | Inf               | 16.88             | 0.04875         | 1                       |
| Band 4_LTE_1.4MHz_Nss1,64QAM_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 1710.7MHz_RB 6,#RB 0             | Pass   | -2.73       | 19.88           | 19.88          | 0.097        | Inf               | 17.15             | 0.05188         | 1                       |
| 1710.7MHz_RB 1,#RB L             | Pass   | -2.73       | 21.21           | 21.21          | 0.132        | Inf               | 18.48             | 0.07047         | 1                       |
| 1710.7MHz_RB 1,#RB M             | Pass   | -2.73       | 20.77           | 20.77          | 0.119        | Inf               | 18.04             | 0.06368         | 1                       |
| 1710.7MHz_RB 1,#RB H             | Pass   | -2.73       | 21.26           | 21.26          | 0.134        | Inf               | 18.53             | 0.07129         | 1                       |
| 1710.7MHz_RB 3,#RB L             | Pass   | -2.73       | 20.95           | 20.95          | 0.124        | Inf               | 18.22             | 0.06637         | 1                       |
| 1710.7MHz_RB 3,#RB M             | Pass   | -2.73       | 20.72           | 20.72          | 0.118        | Inf               | 17.99             | 0.06295         | 1                       |
| 1710.7MHz_RB 3,#RB H             | Pass   | -2.73       | 20.99           | 20.99          | 0.126        | Inf               | 18.26             | 0.06699         | 1                       |
| 1732.5MHz_RB 6,#RB 0             | Pass   | -2.73       | 19.65           | 19.65          | 0.092        | Inf               | 16.92             | 0.04920         | 1                       |
| 1732.5MHz_RB 1,#RB L             | Pass   | -2.73       | 21.02           | 21.02          | 0.126        | Inf               | 18.29             | 0.06745         | 1                       |
| 1732.5MHz_RB 1,#RB M             | Pass   | -2.73       | 20.52           | 20.52          | 0.113        | Inf               | 17.79             | 0.06012         | 1                       |
| 1732.5MHz_RB 1,#RB H             | Pass   | -2.73       | 20.96           | 20.96          | 0.125        | Inf               | 18.23             | 0.06653         | 1                       |



## Average Power

## Appendix A.3

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm) | Power<br>(dBm) | Power<br>(W) | Power Lim.<br>(W) | EIRP/ERP<br>(dBm) | EIRP/ERP<br>(W) | EIRP/ERP<br>Lim.<br>(W) |
|--------------------------------|--------|-------------|-----------------|----------------|--------------|-------------------|-------------------|-----------------|-------------------------|
| 1732.5MHz_RB 3,#RB L           | Pass   | -2.73       | 20.72           | 20.72          | 0.118        | Inf               | 17.99             | 0.06295         | 1                       |
| 1732.5MHz_RB 3,#RB M           | Pass   | -2.73       | 20.48           | 20.48          | 0.112        | Inf               | 17.75             | 0.05957         | 1                       |
| 1732.5MHz_RB 3,#RB H           | Pass   | -2.73       | 20.67           | 20.67          | 0.117        | Inf               | 17.94             | 0.06223         | 1                       |
| 1754.3MHz_RB 6,#RB 0           | Pass   | -2.73       | 19.80           | 19.80          | 0.095        | Inf               | 17.07             | 0.05093         | 1                       |
| 1754.3MHz_RB 1,#RB L           | Pass   | -2.73       | 21.04           | 21.04          | 0.127        | Inf               | 18.31             | 0.06776         | 1                       |
| 1754.3MHz_RB 1,#RB M           | Pass   | -2.73       | 20.57           | 20.57          | 0.114        | Inf               | 17.84             | 0.06081         | 1                       |
| 1754.3MHz_RB 1,#RB H           | Pass   | -2.73       | 21.01           | 21.01          | 0.126        | Inf               | 18.28             | 0.06730         | 1                       |
| 1754.3MHz_RB 3,#RB L           | Pass   | -2.73       | 20.70           | 20.70          | 0.117        | Inf               | 17.97             | 0.06266         | 1                       |
| 1754.3MHz_RB 3,#RB M           | Pass   | -2.73       | 20.63           | 20.63          | 0.116        | Inf               | 17.90             | 0.06166         | 1                       |
| 1754.3MHz_RB 3,#RB H           | Pass   | -2.73       | 20.67           | 20.67          | 0.117        | Inf               | 17.94             | 0.06223         | 1                       |
| Band 4_LTE_3MHz_Nss1,64QAM_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 1711.5MHz_RB 15,#RB 0          | Pass   | -2.73       | 19.86           | 19.86          | 0.097        | Inf               | 17.13             | 0.05164         | 1                       |
| 1711.5MHz_RB 1,#RB L           | Pass   | -2.73       | 21.03           | 21.03          | 0.127        | Inf               | 18.30             | 0.06761         | 1                       |
| 1711.5MHz_RB 1,#RB M           | Pass   | -2.73       | 21.00           | 21.00          | 0.126        | Inf               | 18.27             | 0.06714         | 1                       |
| 1711.5MHz_RB 1,#RB H           | Pass   | -2.73       | 21.06           | 21.06          | 0.128        | Inf               | 18.33             | 0.06808         | 1                       |
| 1711.5MHz_RB 8,#RB L           | Pass   | -2.73       | 20.01           | 20.01          | 0.100        | Inf               | 17.28             | 0.05346         | 1                       |
| 1711.5MHz_RB 8,#RB M           | Pass   | -2.73       | 19.94           | 19.94          | 0.099        | Inf               | 17.21             | 0.05260         | 1                       |
| 1711.5MHz_RB 8,#RB H           | Pass   | -2.73       | 20.00           | 20.00          | 0.100        | Inf               | 17.27             | 0.05333         | 1                       |
| 1732.5MHz_RB 15,#RB 0          | Pass   | -2.73       | 19.69           | 19.69          | 0.093        | Inf               | 16.96             | 0.04966         | 1                       |
| 1732.5MHz_RB 1,#RB L           | Pass   | -2.73       | 20.86           | 20.86          | 0.122        | Inf               | 18.13             | 0.06501         | 1                       |
| 1732.5MHz_RB 1,#RB M           | Pass   | -2.73       | 20.89           | 20.89          | 0.123        | Inf               | 18.16             | 0.06546         | 1                       |
| 1732.5MHz_RB 1,#RB H           | Pass   | -2.73       | 20.97           | 20.97          | 0.125        | Inf               | 18.24             | 0.06668         | 1                       |
| 1732.5MHz_RB 8,#RB L           | Pass   | -2.73       | 19.64           | 19.64          | 0.092        | Inf               | 16.91             | 0.04909         | 1                       |
| 1732.5MHz_RB 8,#RB M           | Pass   | -2.73       | 19.64           | 19.64          | 0.092        | Inf               | 16.91             | 0.04909         | 1                       |
| 1732.5MHz_RB 8,#RB H           | Pass   | -2.73       | 19.74           | 19.74          | 0.094        | Inf               | 17.01             | 0.05023         | 1                       |
| 1753.5MHz_RB 15,#RB 0          | Pass   | -2.73       | 19.77           | 19.77          | 0.095        | Inf               | 17.04             | 0.05058         | 1                       |
| 1753.5MHz_RB 1,#RB L           | Pass   | -2.73       | 20.97           | 20.97          | 0.125        | Inf               | 18.24             | 0.06668         | 1                       |
| 1753.5MHz_RB 1,#RB M           | Pass   | -2.73       | 20.94           | 20.94          | 0.124        | Inf               | 18.21             | 0.06622         | 1                       |
| 1753.5MHz_RB 1,#RB H           | Pass   | -2.73       | 20.93           | 20.93          | 0.124        | Inf               | 18.20             | 0.06607         | 1                       |
| 1753.5MHz_RB 8,#RB L           | Pass   | -2.73       | 19.81           | 19.81          | 0.096        | Inf               | 17.08             | 0.05105         | 1                       |
| 1753.5MHz_RB 8,#RB M           | Pass   | -2.73       | 19.89           | 19.89          | 0.097        | Inf               | 17.16             | 0.05200         | 1                       |
| 1753.5MHz_RB 8,#RB H           | Pass   | -2.73       | 19.79           | 19.79          | 0.095        | Inf               | 17.06             | 0.05082         | 1                       |
| Band 4_LTE_5MHz_Nss1,64QAM_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 1712.5MHz_RB 25,#RB 0          | Pass   | -2.73       | 19.82           | 19.82          | 0.096        | Inf               | 17.09             | 0.05117         | 1                       |
| 1712.5MHz_RB 1,#RB L           | Pass   | -2.73       | 20.84           | 20.84          | 0.121        | Inf               | 18.11             | 0.06471         | 1                       |
| 1712.5MHz_RB 1,#RB M           | Pass   | -2.73       | 20.91           | 20.91          | 0.123        | Inf               | 18.18             | 0.06577         | 1                       |
| 1712.5MHz_RB 1,#RB H           | Pass   | -2.73       | 20.69           | 20.69          | 0.117        | Inf               | 17.96             | 0.06252         | 1                       |
| 1712.5MHz_RB 12,#RB L          | Pass   | -2.73       | 19.79           | 19.79          | 0.095        | Inf               | 17.06             | 0.05082         | 1                       |
| 1712.5MHz_RB 12,#RB M          | Pass   | -2.73       | 19.75           | 19.75          | 0.094        | Inf               | 17.02             | 0.05035         | 1                       |
| 1712.5MHz_RB 12,#RB H          | Pass   | -2.73       | 19.75           | 19.75          | 0.094        | Inf               | 17.02             | 0.05035         | 1                       |
| 1732.5MHz_RB 25,#RB 0          | Pass   | -2.73       | 19.54           | 19.54          | 0.090        | Inf               | 16.81             | 0.04797         | 1                       |
| 1732.5MHz_RB 1,#RB L           | Pass   | -2.73       | 20.50           | 20.50          | 0.112        | Inf               | 17.77             | 0.05984         | 1                       |
| 1732.5MHz_RB 1,#RB M           | Pass   | -2.73       | 20.69           | 20.69          | 0.117        | Inf               | 17.96             | 0.06252         | 1                       |
| 1732.5MHz_RB 1,#RB H           | Pass   | -2.73       | 20.42           | 20.42          | 0.110        | Inf               | 17.69             | 0.05875         | 1                       |
| 1732.5MHz_RB 12,#RB L          | Pass   | -2.73       | 19.55           | 19.55          | 0.090        | Inf               | 16.82             | 0.04808         | 1                       |
| 1732.5MHz_RB 12,#RB M          | Pass   | -2.73       | 19.51           | 19.51          | 0.089        | Inf               | 16.78             | 0.04764         | 1                       |
| 1732.5MHz_RB 12,#RB H          | Pass   | -2.73       | 19.52           | 19.52          | 0.090        | Inf               | 16.79             | 0.04775         | 1                       |
| 1752.5MHz_RB 25,#RB 0          | Pass   | -2.73       | 19.64           | 19.64          | 0.092        | Inf               | 16.91             | 0.04909         | 1                       |



## Average Power

## Appendix A.3

| Mode                            | Result | DG<br>(dBi) | Port 1<br>(dBm) | Power<br>(dBm) | Power<br>(W) | Power Lim.<br>(W) | EIRP/ERP<br>(dBm) | EIRP/ERP<br>(W) | EIRP/ERP<br>Lim.<br>(W) |
|---------------------------------|--------|-------------|-----------------|----------------|--------------|-------------------|-------------------|-----------------|-------------------------|
| 1752.5MHz_RB 1,#RB L            | Pass   | -2.73       | 20.63           | 20.63          | 0.116        | Inf               | 17.90             | 0.06166         | 1                       |
| 1752.5MHz_RB 1,#RB M            | Pass   | -2.73       | 20.84           | 20.84          | 0.121        | Inf               | 18.11             | 0.06471         | 1                       |
| 1752.5MHz_RB 1,#RB H            | Pass   | -2.73       | 20.44           | 20.44          | 0.111        | Inf               | 17.71             | 0.05902         | 1                       |
| 1752.5MHz_RB 12,#RB L           | Pass   | -2.73       | 19.59           | 19.59          | 0.091        | Inf               | 16.86             | 0.04853         | 1                       |
| 1752.5MHz_RB 12,#RB M           | Pass   | -2.73       | 19.64           | 19.64          | 0.092        | Inf               | 16.91             | 0.04909         | 1                       |
| 1752.5MHz_RB 12,#RB H           | Pass   | -2.73       | 19.67           | 19.67          | 0.093        | Inf               | 16.94             | 0.04943         | 1                       |
| Band 4_LTE_10MHz_Nss1,64QAM_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 1715MHz_RB 50,#RB 0             | Pass   | -2.73       | 19.72           | 19.72          | 0.094        | Inf               | 16.99             | 0.05000         | 1                       |
| 1715MHz_RB 1,#RB L              | Pass   | -2.73       | 20.85           | 20.85          | 0.122        | Inf               | 18.12             | 0.06486         | 1                       |
| 1715MHz_RB 1,#RB M              | Pass   | -2.73       | 20.79           | 20.79          | 0.120        | Inf               | 18.06             | 0.06397         | 1                       |
| 1715MHz_RB 1,#RB H              | Pass   | -2.73       | 20.65           | 20.65          | 0.116        | Inf               | 17.92             | 0.06194         | 1                       |
| 1715MHz_RB 25,#RB L             | Pass   | -2.73       | 19.90           | 19.90          | 0.098        | Inf               | 17.17             | 0.05212         | 1                       |
| 1715MHz_RB 25,#RB M             | Pass   | -2.73       | 19.71           | 19.71          | 0.094        | Inf               | 16.98             | 0.04989         | 1                       |
| 1715MHz_RB 25,#RB H             | Pass   | -2.73       | 19.63           | 19.63          | 0.092        | Inf               | 16.90             | 0.04898         | 1                       |
| 1732.5MHz_RB 50,#RB 0           | Pass   | -2.73       | 19.53           | 19.53          | 0.090        | Inf               | 16.80             | 0.04786         | 1                       |
| 1732.5MHz_RB 1,#RB L            | Pass   | -2.73       | 20.77           | 20.77          | 0.119        | Inf               | 18.04             | 0.06368         | 1                       |
| 1732.5MHz_RB 1,#RB M            | Pass   | -2.73       | 20.58           | 20.58          | 0.114        | Inf               | 17.85             | 0.06095         | 1                       |
| 1732.5MHz_RB 1,#RB H            | Pass   | -2.73       | 20.59           | 20.59          | 0.115        | Inf               | 17.86             | 0.06109         | 1                       |
| 1732.5MHz_RB 25,#RB L           | Pass   | -2.73       | 19.67           | 19.67          | 0.093        | Inf               | 16.94             | 0.04943         | 1                       |
| 1732.5MHz_RB 25,#RB M           | Pass   | -2.73       | 19.51           | 19.51          | 0.089        | Inf               | 16.78             | 0.04764         | 1                       |
| 1732.5MHz_RB 25,#RB H           | Pass   | -2.73       | 19.50           | 19.50          | 0.089        | Inf               | 16.77             | 0.04753         | 1                       |
| 1750MHz_RB 50,#RB 0             | Pass   | -2.73       | 19.61           | 19.61          | 0.091        | Inf               | 16.88             | 0.04875         | 1                       |
| 1750MHz_RB 1,#RB L              | Pass   | -2.73       | 20.83           | 20.83          | 0.121        | Inf               | 18.10             | 0.06457         | 1                       |
| 1750MHz_RB 1,#RB M              | Pass   | -2.73       | 20.68           | 20.68          | 0.117        | Inf               | 17.95             | 0.06237         | 1                       |
| 1750MHz_RB 1,#RB H              | Pass   | -2.73       | 20.50           | 20.50          | 0.112        | Inf               | 17.77             | 0.05984         | 1                       |
| 1750MHz_RB 25,#RB L             | Pass   | -2.73       | 19.65           | 19.65          | 0.092        | Inf               | 16.92             | 0.04920         | 1                       |
| 1750MHz_RB 25,#RB M             | Pass   | -2.73       | 19.61           | 19.61          | 0.091        | Inf               | 16.88             | 0.04875         | 1                       |
| 1750MHz_RB 25,#RB H             | Pass   | -2.73       | 19.66           | 19.66          | 0.092        | Inf               | 16.93             | 0.04932         | 1                       |
| Band 4_LTE_15MHz_Nss1,64QAM_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 1717.5MHz_RB 75,#RB 0           | Pass   | -2.73       | 19.73           | 19.73          | 0.094        | Inf               | 17.00             | 0.05012         | 1                       |
| 1717.5MHz_RB 1,#RB L            | Pass   | -2.73       | 20.81           | 20.81          | 0.121        | Inf               | 18.08             | 0.06427         | 1                       |
| 1717.5MHz_RB 1,#RB M            | Pass   | -2.73       | 20.67           | 20.67          | 0.117        | Inf               | 17.94             | 0.06223         | 1                       |
| 1717.5MHz_RB 1,#RB H            | Pass   | -2.73       | 20.28           | 20.28          | 0.107        | Inf               | 17.55             | 0.05689         | 1                       |
| 1717.5MHz_RB 36,#RB L           | Pass   | -2.73       | 19.90           | 19.90          | 0.098        | Inf               | 17.17             | 0.05212         | 1                       |
| 1717.5MHz_RB 36,#RB M           | Pass   | -2.73       | 19.63           | 19.63          | 0.092        | Inf               | 16.90             | 0.04898         | 1                       |
| 1717.5MHz_RB 36,#RB H           | Pass   | -2.73       | 19.69           | 19.69          | 0.093        | Inf               | 16.96             | 0.04966         | 1                       |
| 1732.5MHz_RB 75,#RB 0           | Pass   | -2.73       | 19.60           | 19.60          | 0.091        | Inf               | 16.87             | 0.04864         | 1                       |
| 1732.5MHz_RB 1,#RB L            | Pass   | -2.73       | 20.63           | 20.63          | 0.116        | Inf               | 17.90             | 0.06166         | 1                       |
| 1732.5MHz_RB 1,#RB M            | Pass   | -2.73       | 20.45           | 20.45          | 0.111        | Inf               | 17.72             | 0.05916         | 1                       |
| 1732.5MHz_RB 1,#RB H            | Pass   | -2.73       | 20.44           | 20.44          | 0.111        | Inf               | 17.71             | 0.05902         | 1                       |
| 1732.5MHz_RB 36,#RB L           | Pass   | -2.73       | 19.73           | 19.73          | 0.094        | Inf               | 17.00             | 0.05012         | 1                       |
| 1732.5MHz_RB 36,#RB M           | Pass   | -2.73       | 19.51           | 19.51          | 0.089        | Inf               | 16.78             | 0.04764         | 1                       |
| 1732.5MHz_RB 36,#RB H           | Pass   | -2.73       | 19.58           | 19.58          | 0.091        | Inf               | 16.85             | 0.04842         | 1                       |
| 1747.5MHz_RB 75,#RB 0           | Pass   | -2.73       | 19.65           | 19.65          | 0.092        | Inf               | 16.92             | 0.04920         | 1                       |
| 1747.5MHz_RB 1,#RB L            | Pass   | -2.73       | 20.49           | 20.49          | 0.112        | Inf               | 17.76             | 0.05970         | 1                       |
| 1747.5MHz_RB 1,#RB M            | Pass   | -2.73       | 20.61           | 20.61          | 0.115        | Inf               | 17.88             | 0.06138         | 1                       |
| 1747.5MHz_RB 1,#RB H            | Pass   | -2.73       | 20.31           | 20.31          | 0.107        | Inf               | 17.58             | 0.05728         | 1                       |
| 1747.5MHz_RB 36,#RB L           | Pass   | -2.73       | 19.68           | 19.68          | 0.093        | Inf               | 16.95             | 0.04955         | 1                       |



## Average Power

## Appendix A.3

| Mode                            | Result | DG<br>(dBi) | Port 1<br>(dBm) | Power<br>(dBm) | Power<br>(W) | Power Lim.<br>(W) | EIRP/ERP<br>(dBm) | EIRP/ERP<br>(W) | EIRP/ERP<br>Lim.<br>(W) |
|---------------------------------|--------|-------------|-----------------|----------------|--------------|-------------------|-------------------|-----------------|-------------------------|
| 1747.5MHz_RB 36,#RB M           | Pass   | -2.73       | 19.57           | 19.57          | 0.091        | Inf               | 16.84             | 0.04831         | 1                       |
| 1747.5MHz_RB 36,#RB H           | Pass   | -2.73       | 19.58           | 19.58          | 0.091        | Inf               | 16.85             | 0.04842         | 1                       |
| Band 4_LTE_20MHz_Nss1,64QAM_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 1720MHz_RB 100,#RB 0            | Pass   | -2.73       | 19.69           | 19.69          | 0.093        | Inf               | 16.96             | 0.04966         | 1                       |
| 1720MHz_RB 1,#RB L              | Pass   | -2.73       | 20.46           | 20.46          | 0.111        | Inf               | 17.73             | 0.05929         | 1                       |
| 1720MHz_RB 1,#RB M              | Pass   | -2.73       | 20.61           | 20.61          | 0.115        | Inf               | 17.88             | 0.06138         | 1                       |
| 1720MHz_RB 1,#RB H              | Pass   | -2.73       | 20.08           | 20.08          | 0.102        | Inf               | 17.35             | 0.05433         | 1                       |
| 1720MHz_RB 50,#RB L             | Pass   | -2.73       | 19.85           | 19.85          | 0.097        | Inf               | 17.12             | 0.05152         | 1                       |
| 1720MHz_RB 50,#RB M             | Pass   | -2.73       | 19.68           | 19.68          | 0.093        | Inf               | 16.95             | 0.04955         | 1                       |
| 1720MHz_RB 50,#RB H             | Pass   | -2.73       | 19.47           | 19.47          | 0.089        | Inf               | 16.74             | 0.04721         | 1                       |
| 1732.5MHz_RB 100,#RB 0          | Pass   | -2.73       | 19.56           | 19.56          | 0.090        | Inf               | 16.83             | 0.04819         | 1                       |
| 1732.5MHz_RB 1,#RB L            | Pass   | -2.73       | 20.33           | 20.33          | 0.108        | Inf               | 17.60             | 0.05754         | 1                       |
| 1732.5MHz_RB 1,#RB M            | Pass   | -2.73       | 20.47           | 20.47          | 0.111        | Inf               | 17.74             | 0.05943         | 1                       |
| 1732.5MHz_RB 1,#RB H            | Pass   | -2.73       | 19.89           | 19.89          | 0.097        | Inf               | 17.16             | 0.05200         | 1                       |
| 1732.5MHz_RB 50,#RB L           | Pass   | -2.73       | 19.64           | 19.64          | 0.092        | Inf               | 16.91             | 0.04909         | 1                       |
| 1732.5MHz_RB 50,#RB M           | Pass   | -2.73       | 19.53           | 19.53          | 0.090        | Inf               | 16.80             | 0.04786         | 1                       |
| 1732.5MHz_RB 50,#RB H           | Pass   | -2.73       | 19.60           | 19.60          | 0.091        | Inf               | 16.87             | 0.04864         | 1                       |
| 1745MHz_RB 100,#RB 0            | Pass   | -2.73       | 19.62           | 19.62          | 0.092        | Inf               | 16.89             | 0.04887         | 1                       |
| 1745MHz_RB 1,#RB L              | Pass   | -2.73       | 20.33           | 20.33          | 0.108        | Inf               | 17.60             | 0.05754         | 1                       |
| 1745MHz_RB 1,#RB M              | Pass   | -2.73       | 20.61           | 20.61          | 0.115        | Inf               | 17.88             | 0.06138         | 1                       |
| 1745MHz_RB 1,#RB H              | Pass   | -2.73       | 20.00           | 20.00          | 0.100        | Inf               | 17.27             | 0.05333         | 1                       |
| 1745MHz_RB 50,#RB L             | Pass   | -2.73       | 19.76           | 19.76          | 0.095        | Inf               | 17.03             | 0.05047         | 1                       |
| 1745MHz_RB 50,#RB M             | Pass   | -2.73       | 19.57           | 19.57          | 0.091        | Inf               | 16.84             | 0.04831         | 1                       |
| 1745MHz_RB 50,#RB H             | Pass   | -2.73       | 19.61           | 19.61          | 0.091        | Inf               | 16.88             | 0.04875         | 1                       |
| Band 5_LTE_1.4MHz_Nss1,QPSK_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 824.7MHz_RB 6,#RB 0             | Pass   | 1.46        | 21.13           | 21.13          | 0.130        | Inf               | 20.44             | 0.11066         | 7                       |
| 824.7MHz_RB 1,#RB L             | Pass   | 1.46        | 22.28           | 22.28          | 0.169        | Inf               | 21.59             | 0.14421         | 7                       |
| 824.7MHz_RB 1,#RB M             | Pass   | 1.46        | 21.91           | 21.91          | 0.155        | Inf               | 21.22             | 0.13243         | 7                       |
| 824.7MHz_RB 1,#RB H             | Pass   | 1.46        | 22.38           | 22.38          | 0.173        | Inf               | 21.69             | 0.14757         | 7                       |
| 824.7MHz_RB 3,#RB L             | Pass   | 1.46        | 22.24           | 22.24          | 0.167        | Inf               | 21.55             | 0.14289         | 7                       |
| 824.7MHz_RB 3,#RB M             | Pass   | 1.46        | 22.01           | 22.01          | 0.159        | Inf               | 21.32             | 0.13552         | 7                       |
| 824.7MHz_RB 3,#RB H             | Pass   | 1.46        | 22.23           | 22.23          | 0.167        | Inf               | 21.54             | 0.14256         | 7                       |
| 836.5MHz_RB 6,#RB 0             | Pass   | 1.46        | 21.20           | 21.20          | 0.132        | Inf               | 20.51             | 0.11246         | 7                       |
| 836.5MHz_RB 1,#RB L             | Pass   | 1.46        | 22.41           | 22.41          | 0.174        | Inf               | 21.72             | 0.14859         | 7                       |
| 836.5MHz_RB 1,#RB M             | Pass   | 1.46        | 21.93           | 21.93          | 0.156        | Inf               | 21.24             | 0.13305         | 7                       |
| 836.5MHz_RB 1,#RB H             | Pass   | 1.46        | 22.49           | 22.49          | 0.177        | Inf               | 21.80             | 0.15136         | 7                       |
| 836.5MHz_RB 3,#RB L             | Pass   | 1.46        | 22.24           | 22.24          | 0.167        | Inf               | 21.55             | 0.14289         | 7                       |
| 836.5MHz_RB 3,#RB M             | Pass   | 1.46        | 22.00           | 22.00          | 0.158        | Inf               | 21.31             | 0.13521         | 7                       |
| 836.5MHz_RB 3,#RB H             | Pass   | 1.46        | 22.18           | 22.18          | 0.165        | Inf               | 21.49             | 0.14093         | 7                       |
| 848.3MHz_RB 6,#RB 0             | Pass   | 1.46        | 20.99           | 20.99          | 0.126        | Inf               | 20.30             | 0.10715         | 7                       |
| 848.3MHz_RB 1,#RB L             | Pass   | 1.46        | 22.26           | 22.26          | 0.168        | Inf               | 21.57             | 0.14355         | 7                       |
| 848.3MHz_RB 1,#RB M             | Pass   | 1.46        | 21.68           | 21.68          | 0.147        | Inf               | 20.99             | 0.12560         | 7                       |
| 848.3MHz_RB 1,#RB H             | Pass   | 1.46        | 22.14           | 22.14          | 0.164        | Inf               | 21.45             | 0.13964         | 7                       |
| 848.3MHz_RB 3,#RB L             | Pass   | 1.46        | 22.10           | 22.10          | 0.162        | Inf               | 21.41             | 0.13836         | 7                       |
| 848.3MHz_RB 3,#RB M             | Pass   | 1.46        | 21.97           | 21.97          | 0.157        | Inf               | 21.28             | 0.13428         | 7                       |
| 848.3MHz_RB 3,#RB H             | Pass   | 1.46        | 22.02           | 22.02          | 0.159        | Inf               | 21.33             | 0.13583         | 7                       |
| Band 5_LTE_3MHz_Nss1,QPSK_1TX   | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 825.5MHz_RB 15,#RB 0            | Pass   | 1.46        | 21.15           | 21.15          | 0.130        | Inf               | 20.46             | 0.11117         | 7                       |



## Average Power

## Appendix A.3

| Mode                           | Result | DG<br>(dB) | Port 1<br>(dBm) | Power<br>(dBm) | Power<br>(W) | Power Lim.<br>(W) | EIRP/ERP<br>(dBm) | EIRP/ERP<br>(W) | EIRP/ERP<br>Lim.<br>(W) |
|--------------------------------|--------|------------|-----------------|----------------|--------------|-------------------|-------------------|-----------------|-------------------------|
| 825.5MHz_RB 1,#RB L            | Pass   | 1.46       | 22.36           | 22.36          | 0.172        | Inf               | 21.67             | 0.14689         | 7                       |
| 825.5MHz_RB 1,#RB M            | Pass   | 1.46       | 22.44           | 22.44          | 0.175        | Inf               | 21.75             | 0.14962         | 7                       |
| 825.5MHz_RB 1,#RB H            | Pass   | 1.46       | 22.05           | 22.05          | 0.160        | Inf               | 21.36             | 0.13677         | 7                       |
| 825.5MHz_RB 8,#RB L            | Pass   | 1.46       | 21.24           | 21.24          | 0.133        | Inf               | 20.55             | 0.11350         | 7                       |
| 825.5MHz_RB 8,#RB M            | Pass   | 1.46       | 21.22           | 21.22          | 0.132        | Inf               | 20.53             | 0.11298         | 7                       |
| 825.5MHz_RB 8,#RB H            | Pass   | 1.46       | 21.18           | 21.18          | 0.131        | Inf               | 20.49             | 0.11194         | 7                       |
| 836.5MHz_RB 15,#RB 0           | Pass   | 1.46       | 21.30           | 21.30          | 0.135        | Inf               | 20.61             | 0.11508         | 7                       |
| 836.5MHz_RB 1,#RB L            | Pass   | 1.46       | 22.12           | 22.12          | 0.163        | Inf               | 21.43             | 0.13900         | 7                       |
| 836.5MHz_RB 1,#RB M            | Pass   | 1.46       | 22.38           | 22.38          | 0.173        | Inf               | 21.69             | 0.14757         | 7                       |
| 836.5MHz_RB 1,#RB H            | Pass   | 1.46       | 22.22           | 22.22          | 0.167        | Inf               | 21.53             | 0.14223         | 7                       |
| 836.5MHz_RB 8,#RB L            | Pass   | 1.46       | 21.27           | 21.27          | 0.134        | Inf               | 20.58             | 0.11429         | 7                       |
| 836.5MHz_RB 8,#RB M            | Pass   | 1.46       | 21.21           | 21.21          | 0.132        | Inf               | 20.52             | 0.11272         | 7                       |
| 836.5MHz_RB 8,#RB H            | Pass   | 1.46       | 21.32           | 21.32          | 0.136        | Inf               | 20.63             | 0.11561         | 7                       |
| 847.5MHz_RB 15,#RB 0           | Pass   | 1.46       | 21.10           | 21.10          | 0.129        | Inf               | 20.41             | 0.10990         | 7                       |
| 847.5MHz_RB 1,#RB L            | Pass   | 1.46       | 22.04           | 22.04          | 0.160        | Inf               | 21.35             | 0.13646         | 7                       |
| 847.5MHz_RB 1,#RB M            | Pass   | 1.46       | 22.37           | 22.37          | 0.173        | Inf               | 21.68             | 0.14723         | 7                       |
| 847.5MHz_RB 1,#RB H            | Pass   | 1.46       | 22.37           | 22.37          | 0.173        | Inf               | 21.68             | 0.14723         | 7                       |
| 847.5MHz_RB 8,#RB L            | Pass   | 1.46       | 21.21           | 21.21          | 0.132        | Inf               | 20.52             | 0.11272         | 7                       |
| 847.5MHz_RB 8,#RB M            | Pass   | 1.46       | 21.04           | 21.04          | 0.127        | Inf               | 20.35             | 0.10839         | 7                       |
| 847.5MHz_RB 8,#RB H            | Pass   | 1.46       | 21.22           | 21.22          | 0.132        | Inf               | 20.53             | 0.11298         | 7                       |
| Band 5_LTE_5MHz_Nss1,QPSK_1TX  | -      | -          | -               | -              | -            | -                 | -                 | -               | -                       |
| 826.5MHz_RB 25,#RB 0           | Pass   | 1.46       | 21.09           | 21.09          | 0.129        | Inf               | 20.40             | 0.10965         | 7                       |
| 826.5MHz_RB 1,#RB L            | Pass   | 1.46       | 21.89           | 21.89          | 0.155        | Inf               | 21.20             | 0.13183         | 7                       |
| 826.5MHz_RB 1,#RB M            | Pass   | 1.46       | 21.99           | 21.99          | 0.158        | Inf               | 21.30             | 0.13490         | 7                       |
| 826.5MHz_RB 1,#RB H            | Pass   | 1.46       | 21.88           | 21.88          | 0.154        | Inf               | 21.19             | 0.13152         | 7                       |
| 826.5MHz_RB 12,#RB L           | Pass   | 1.46       | 21.07           | 21.07          | 0.128        | Inf               | 20.38             | 0.10914         | 7                       |
| 826.5MHz_RB 12,#RB M           | Pass   | 1.46       | 21.07           | 21.07          | 0.128        | Inf               | 20.38             | 0.10914         | 7                       |
| 826.5MHz_RB 12,#RB H           | Pass   | 1.46       | 21.04           | 21.04          | 0.127        | Inf               | 20.35             | 0.10839         | 7                       |
| 836.5MHz_RB 25,#RB 0           | Pass   | 1.46       | 21.09           | 21.09          | 0.129        | Inf               | 20.40             | 0.10965         | 7                       |
| 836.5MHz_RB 1,#RB L            | Pass   | 1.46       | 21.88           | 21.88          | 0.154        | Inf               | 21.19             | 0.13152         | 7                       |
| 836.5MHz_RB 1,#RB M            | Pass   | 1.46       | 21.98           | 21.98          | 0.158        | Inf               | 21.29             | 0.13459         | 7                       |
| 836.5MHz_RB 1,#RB H            | Pass   | 1.46       | 21.88           | 21.88          | 0.154        | Inf               | 21.19             | 0.13152         | 7                       |
| 836.5MHz_RB 12,#RB L           | Pass   | 1.46       | 21.12           | 21.12          | 0.129        | Inf               | 20.43             | 0.11041         | 7                       |
| 836.5MHz_RB 12,#RB M           | Pass   | 1.46       | 21.05           | 21.05          | 0.127        | Inf               | 20.36             | 0.10864         | 7                       |
| 836.5MHz_RB 12,#RB H           | Pass   | 1.46       | 21.10           | 21.10          | 0.129        | Inf               | 20.41             | 0.10990         | 7                       |
| 846.5MHz_RB 25,#RB 0           | Pass   | 1.46       | 20.98           | 20.98          | 0.125        | Inf               | 20.29             | 0.10691         | 7                       |
| 846.5MHz_RB 1,#RB L            | Pass   | 1.46       | 22.03           | 22.03          | 0.160        | Inf               | 21.34             | 0.13614         | 7                       |
| 846.5MHz_RB 1,#RB M            | Pass   | 1.46       | 22.01           | 22.01          | 0.159        | Inf               | 21.32             | 0.13552         | 7                       |
| 846.5MHz_RB 1,#RB H            | Pass   | 1.46       | 21.82           | 21.82          | 0.152        | Inf               | 21.13             | 0.12972         | 7                       |
| 846.5MHz_RB 12,#RB L           | Pass   | 1.46       | 21.08           | 21.08          | 0.128        | Inf               | 20.39             | 0.10940         | 7                       |
| 846.5MHz_RB 12,#RB M           | Pass   | 1.46       | 20.99           | 20.99          | 0.126        | Inf               | 20.30             | 0.10715         | 7                       |
| 846.5MHz_RB 12,#RB H           | Pass   | 1.46       | 21.00           | 21.00          | 0.126        | Inf               | 20.31             | 0.10740         | 7                       |
| Band 5_LTE_10MHz_Nss1,QPSK_1TX | -      | -          | -               | -              | -            | -                 | -                 | -               | -                       |
| 829MHz_RB 50,#RB 0             | Pass   | 1.46       | 21.10           | 21.10          | 0.129        | Inf               | 20.41             | 0.10990         | 7                       |
| 829MHz_RB 1,#RB L              | Pass   | 1.46       | 22.16           | 22.16          | 0.164        | Inf               | 21.47             | 0.14028         | 7                       |
| 829MHz_RB 1,#RB M              | Pass   | 1.46       | 22.13           | 22.13          | 0.163        | Inf               | 21.44             | 0.13932         | 7                       |
| 829MHz_RB 1,#RB H              | Pass   | 1.46       | 22.02           | 22.02          | 0.159        | Inf               | 21.33             | 0.13583         | 7                       |
| 829MHz_RB 25,#RB L             | Pass   | 1.46       | 21.13           | 21.13          | 0.130        | Inf               | 20.44             | 0.11066         | 7                       |



## Average Power

## Appendix A.3

| Mode                             | Result | DG<br>(dBi) | Port 1<br>(dBm) | Power<br>(dBm) | Power<br>(W) | Power Lim.<br>(W) | EIRP/ERP<br>(dBm) | EIRP/ERP<br>(W) | EIRP/ERP<br>Lim.<br>(W) |
|----------------------------------|--------|-------------|-----------------|----------------|--------------|-------------------|-------------------|-----------------|-------------------------|
| 829MHz_RB 25,#RB M               | Pass   | 1.46        | 21.14           | 21.14          | 0.130        | Inf               | 20.45             | 0.11092         | 7                       |
| 829MHz_RB 25,#RB H               | Pass   | 1.46        | 21.01           | 21.01          | 0.126        | Inf               | 20.32             | 0.10765         | 7                       |
| 836.5MHz_RB 50,#RB 0             | Pass   | 1.46        | 21.19           | 21.19          | 0.132        | Inf               | 20.50             | 0.11220         | 7                       |
| 836.5MHz_RB 1,#RB L              | Pass   | 1.46        | 22.24           | 22.24          | 0.167        | Inf               | 21.55             | 0.14289         | 7                       |
| 836.5MHz_RB 1,#RB M              | Pass   | 1.46        | 22.24           | 22.24          | 0.167        | Inf               | 21.55             | 0.14289         | 7                       |
| 836.5MHz_RB 1,#RB H              | Pass   | 1.46        | 22.21           | 22.21          | 0.166        | Inf               | 21.52             | 0.14191         | 7                       |
| 836.5MHz_RB 25,#RB L             | Pass   | 1.46        | 21.16           | 21.16          | 0.131        | Inf               | 20.47             | 0.11143         | 7                       |
| 836.5MHz_RB 25,#RB M             | Pass   | 1.46        | 21.14           | 21.14          | 0.130        | Inf               | 20.45             | 0.11092         | 7                       |
| 836.5MHz_RB 25,#RB H             | Pass   | 1.46        | 21.19           | 21.19          | 0.132        | Inf               | 20.50             | 0.11220         | 7                       |
| 844MHz_RB 50,#RB 0               | Pass   | 1.46        | 21.13           | 21.13          | 0.130        | Inf               | 20.44             | 0.11066         | 7                       |
| 844MHz_RB 1,#RB L                | Pass   | 1.46        | 22.04           | 22.04          | 0.160        | Inf               | 21.35             | 0.13646         | 7                       |
| 844MHz_RB 1,#RB M                | Pass   | 1.46        | 22.10           | 22.10          | 0.162        | Inf               | 21.41             | 0.13836         | 7                       |
| 844MHz_RB 1,#RB H                | Pass   | 1.46        | 22.16           | 22.16          | 0.164        | Inf               | 21.47             | 0.14028         | 7                       |
| 844MHz_RB 25,#RB L               | Pass   | 1.46        | 21.23           | 21.23          | 0.133        | Inf               | 20.54             | 0.11324         | 7                       |
| 844MHz_RB 25,#RB M               | Pass   | 1.46        | 21.11           | 21.11          | 0.129        | Inf               | 20.42             | 0.11015         | 7                       |
| 844MHz_RB 25,#RB H               | Pass   | 1.46        | 21.00           | 21.00          | 0.126        | Inf               | 20.31             | 0.10740         | 7                       |
| Band 5_LTE_1.4MHz_Nss1,16QAM_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 824.7MHz_RB 6,#RB 0              | Pass   | 1.46        | 20.23           | 20.23          | 0.105        | Inf               | 19.54             | 0.08995         | 7                       |
| 824.7MHz_RB 1,#RB L              | Pass   | 1.46        | 21.67           | 21.67          | 0.147        | Inf               | 20.98             | 0.12531         | 7                       |
| 824.7MHz_RB 1,#RB M              | Pass   | 1.46        | 21.24           | 21.24          | 0.133        | Inf               | 20.55             | 0.11350         | 7                       |
| 824.7MHz_RB 1,#RB H              | Pass   | 1.46        | 21.76           | 21.76          | 0.150        | Inf               | 21.07             | 0.12794         | 7                       |
| 824.7MHz_RB 3,#RB L              | Pass   | 1.46        | 21.24           | 21.24          | 0.133        | Inf               | 20.55             | 0.11350         | 7                       |
| 824.7MHz_RB 3,#RB M              | Pass   | 1.46        | 21.05           | 21.05          | 0.127        | Inf               | 20.36             | 0.10864         | 7                       |
| 824.7MHz_RB 3,#RB H              | Pass   | 1.46        | 21.10           | 21.10          | 0.129        | Inf               | 20.41             | 0.10990         | 7                       |
| 836.5MHz_RB 6,#RB 0              | Pass   | 1.46        | 20.28           | 20.28          | 0.107        | Inf               | 19.59             | 0.09099         | 7                       |
| 836.5MHz_RB 1,#RB L              | Pass   | 1.46        | 21.71           | 21.71          | 0.148        | Inf               | 21.02             | 0.12647         | 7                       |
| 836.5MHz_RB 1,#RB M              | Pass   | 1.46        | 21.16           | 21.16          | 0.131        | Inf               | 20.47             | 0.11143         | 7                       |
| 836.5MHz_RB 1,#RB H              | Pass   | 1.46        | 21.76           | 21.76          | 0.150        | Inf               | 21.07             | 0.12794         | 7                       |
| 836.5MHz_RB 3,#RB L              | Pass   | 1.46        | 21.25           | 21.25          | 0.133        | Inf               | 20.56             | 0.11376         | 7                       |
| 836.5MHz_RB 3,#RB M              | Pass   | 1.46        | 21.12           | 21.12          | 0.129        | Inf               | 20.43             | 0.11041         | 7                       |
| 836.5MHz_RB 3,#RB H              | Pass   | 1.46        | 21.17           | 21.17          | 0.131        | Inf               | 20.48             | 0.11169         | 7                       |
| 848.3MHz_RB 6,#RB 0              | Pass   | 1.46        | 20.19           | 20.19          | 0.104        | Inf               | 19.50             | 0.08913         | 7                       |
| 848.3MHz_RB 1,#RB L              | Pass   | 1.46        | 21.36           | 21.36          | 0.137        | Inf               | 20.67             | 0.11668         | 7                       |
| 848.3MHz_RB 1,#RB M              | Pass   | 1.46        | 21.11           | 21.11          | 0.129        | Inf               | 20.42             | 0.11015         | 7                       |
| 848.3MHz_RB 1,#RB H              | Pass   | 1.46        | 21.40           | 21.40          | 0.138        | Inf               | 20.71             | 0.11776         | 7                       |
| 848.3MHz_RB 3,#RB L              | Pass   | 1.46        | 21.07           | 21.07          | 0.128        | Inf               | 20.38             | 0.10914         | 7                       |
| 848.3MHz_RB 3,#RB M              | Pass   | 1.46        | 20.97           | 20.97          | 0.125        | Inf               | 20.28             | 0.10666         | 7                       |
| 848.3MHz_RB 3,#RB H              | Pass   | 1.46        | 21.07           | 21.07          | 0.128        | Inf               | 20.38             | 0.10914         | 7                       |
| Band 5_LTE_3MHz_Nss1,16QAM_1TX   | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 825.5MHz_RB 15,#RB 0             | Pass   | 1.46        | 20.27           | 20.27          | 0.106        | Inf               | 19.58             | 0.09078         | 7                       |
| 825.5MHz_RB 1,#RB L              | Pass   | 1.46        | 21.40           | 21.40          | 0.138        | Inf               | 20.71             | 0.11776         | 7                       |
| 825.5MHz_RB 1,#RB M              | Pass   | 1.46        | 21.56           | 21.56          | 0.143        | Inf               | 20.87             | 0.12218         | 7                       |
| 825.5MHz_RB 1,#RB H              | Pass   | 1.46        | 21.33           | 21.33          | 0.136        | Inf               | 20.64             | 0.11588         | 7                       |
| 825.5MHz_RB 8,#RB L              | Pass   | 1.46        | 20.19           | 20.19          | 0.104        | Inf               | 19.50             | 0.08913         | 7                       |
| 825.5MHz_RB 8,#RB M              | Pass   | 1.46        | 20.21           | 20.21          | 0.105        | Inf               | 19.52             | 0.08954         | 7                       |
| 825.5MHz_RB 8,#RB H              | Pass   | 1.46        | 20.30           | 20.30          | 0.107        | Inf               | 19.61             | 0.09141         | 7                       |
| 836.5MHz_RB 15,#RB 0             | Pass   | 1.46        | 20.33           | 20.33          | 0.108        | Inf               | 19.64             | 0.09204         | 7                       |
| 836.5MHz_RB 1,#RB L              | Pass   | 1.46        | 21.53           | 21.53          | 0.142        | Inf               | 20.84             | 0.12134         | 7                       |



## Average Power

## Appendix A.3

| Mode                            | Result | DG<br>(dBi) | Port 1<br>(dBm) | Power<br>(dBm) | Power<br>(W) | Power Lim.<br>(W) | EIRP/ERP<br>(dBm) | EIRP/ERP<br>(W) | EIRP/ERP<br>Lim.<br>(W) |
|---------------------------------|--------|-------------|-----------------|----------------|--------------|-------------------|-------------------|-----------------|-------------------------|
| 836.5MHz_RB 1,#RB M             | Pass   | 1.46        | 21.66           | 21.66          | 0.147        | Inf               | 20.97             | 0.12503         | 7                       |
| 836.5MHz_RB 1,#RB H             | Pass   | 1.46        | 21.55           | 21.55          | 0.143        | Inf               | 20.86             | 0.12190         | 7                       |
| 836.5MHz_RB 8,#RB L             | Pass   | 1.46        | 20.35           | 20.35          | 0.108        | Inf               | 19.66             | 0.09247         | 7                       |
| 836.5MHz_RB 8,#RB M             | Pass   | 1.46        | 20.27           | 20.27          | 0.106        | Inf               | 19.58             | 0.09078         | 7                       |
| 836.5MHz_RB 8,#RB H             | Pass   | 1.46        | 20.31           | 20.31          | 0.107        | Inf               | 19.62             | 0.09162         | 7                       |
| 847.5MHz_RB 15,#RB 0            | Pass   | 1.46        | 20.11           | 20.11          | 0.103        | Inf               | 19.42             | 0.08750         | 7                       |
| 847.5MHz_RB 1,#RB L             | Pass   | 1.46        | 21.44           | 21.44          | 0.139        | Inf               | 20.75             | 0.11885         | 7                       |
| 847.5MHz_RB 1,#RB M             | Pass   | 1.46        | 21.53           | 21.53          | 0.142        | Inf               | 20.84             | 0.12134         | 7                       |
| 847.5MHz_RB 1,#RB H             | Pass   | 1.46        | 21.17           | 21.17          | 0.131        | Inf               | 20.48             | 0.11169         | 7                       |
| 847.5MHz_RB 8,#RB L             | Pass   | 1.46        | 20.23           | 20.23          | 0.105        | Inf               | 19.54             | 0.08995         | 7                       |
| 847.5MHz_RB 8,#RB M             | Pass   | 1.46        | 20.18           | 20.18          | 0.104        | Inf               | 19.49             | 0.08892         | 7                       |
| 847.5MHz_RB 8,#RB H             | Pass   | 1.46        | 20.12           | 20.12          | 0.103        | Inf               | 19.43             | 0.08770         | 7                       |
| Band 5_LTE_5MHz_Nss1,16QAM_1TX  | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 826.5MHz_RB 25,#RB 0            | Pass   | 1.46        | 20.05           | 20.05          | 0.101        | Inf               | 19.36             | 0.08630         | 7                       |
| 826.5MHz_RB 1,#RB L             | Pass   | 1.46        | 21.25           | 21.25          | 0.133        | Inf               | 20.56             | 0.11376         | 7                       |
| 826.5MHz_RB 1,#RB M             | Pass   | 1.46        | 21.22           | 21.22          | 0.132        | Inf               | 20.53             | 0.11298         | 7                       |
| 826.5MHz_RB 1,#RB H             | Pass   | 1.46        | 21.12           | 21.12          | 0.129        | Inf               | 20.43             | 0.11041         | 7                       |
| 826.5MHz_RB 12,#RB L            | Pass   | 1.46        | 20.19           | 20.19          | 0.104        | Inf               | 19.50             | 0.08913         | 7                       |
| 826.5MHz_RB 12,#RB M            | Pass   | 1.46        | 20.06           | 20.06          | 0.101        | Inf               | 19.37             | 0.08650         | 7                       |
| 826.5MHz_RB 12,#RB H            | Pass   | 1.46        | 20.07           | 20.07          | 0.102        | Inf               | 19.38             | 0.08670         | 7                       |
| 836.5MHz_RB 25,#RB 0            | Pass   | 1.46        | 20.12           | 20.12          | 0.103        | Inf               | 19.43             | 0.08770         | 7                       |
| 836.5MHz_RB 1,#RB L             | Pass   | 1.46        | 21.14           | 21.14          | 0.130        | Inf               | 20.45             | 0.11092         | 7                       |
| 836.5MHz_RB 1,#RB M             | Pass   | 1.46        | 21.31           | 21.31          | 0.135        | Inf               | 20.62             | 0.11535         | 7                       |
| 836.5MHz_RB 1,#RB H             | Pass   | 1.46        | 21.17           | 21.17          | 0.131        | Inf               | 20.48             | 0.11169         | 7                       |
| 836.5MHz_RB 12,#RB L            | Pass   | 1.46        | 20.12           | 20.12          | 0.103        | Inf               | 19.43             | 0.08770         | 7                       |
| 836.5MHz_RB 12,#RB M            | Pass   | 1.46        | 20.08           | 20.08          | 0.102        | Inf               | 19.39             | 0.08690         | 7                       |
| 836.5MHz_RB 12,#RB H            | Pass   | 1.46        | 20.11           | 20.11          | 0.103        | Inf               | 19.42             | 0.08750         | 7                       |
| 846.5MHz_RB 25,#RB 0            | Pass   | 1.46        | 20.02           | 20.02          | 0.100        | Inf               | 19.33             | 0.08570         | 7                       |
| 846.5MHz_RB 1,#RB L             | Pass   | 1.46        | 21.23           | 21.23          | 0.133        | Inf               | 20.54             | 0.11324         | 7                       |
| 846.5MHz_RB 1,#RB M             | Pass   | 1.46        | 21.27           | 21.27          | 0.134        | Inf               | 20.58             | 0.11429         | 7                       |
| 846.5MHz_RB 1,#RB H             | Pass   | 1.46        | 21.03           | 21.03          | 0.127        | Inf               | 20.34             | 0.10814         | 7                       |
| 846.5MHz_RB 12,#RB L            | Pass   | 1.46        | 20.07           | 20.07          | 0.102        | Inf               | 19.38             | 0.08670         | 7                       |
| 846.5MHz_RB 12,#RB M            | Pass   | 1.46        | 19.98           | 19.98          | 0.100        | Inf               | 19.29             | 0.08492         | 7                       |
| 846.5MHz_RB 12,#RB H            | Pass   | 1.46        | 19.96           | 19.96          | 0.099        | Inf               | 19.27             | 0.08453         | 7                       |
| Band 5_LTE_10MHz_Nss1,16QAM_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 829MHz_RB 50,#RB 0              | Pass   | 1.46        | 20.08           | 20.08          | 0.102        | Inf               | 19.39             | 0.08690         | 7                       |
| 829MHz_RB 1,#RB L               | Pass   | 1.46        | 21.59           | 21.59          | 0.144        | Inf               | 20.90             | 0.12303         | 7                       |
| 829MHz_RB 1,#RB M               | Pass   | 1.46        | 21.26           | 21.26          | 0.134        | Inf               | 20.57             | 0.11402         | 7                       |
| 829MHz_RB 1,#RB H               | Pass   | 1.46        | 21.35           | 21.35          | 0.136        | Inf               | 20.66             | 0.11641         | 7                       |
| 829MHz_RB 25,#RB L              | Pass   | 1.46        | 20.12           | 20.12          | 0.103        | Inf               | 19.43             | 0.08770         | 7                       |
| 829MHz_RB 25,#RB M              | Pass   | 1.46        | 20.07           | 20.07          | 0.102        | Inf               | 19.38             | 0.08670         | 7                       |
| 829MHz_RB 25,#RB H              | Pass   | 1.46        | 20.02           | 20.02          | 0.100        | Inf               | 19.33             | 0.08570         | 7                       |
| 836.5MHz_RB 50,#RB 0            | Pass   | 1.46        | 20.20           | 20.20          | 0.105        | Inf               | 19.51             | 0.08933         | 7                       |
| 836.5MHz_RB 1,#RB L             | Pass   | 1.46        | 21.45           | 21.45          | 0.140        | Inf               | 20.76             | 0.11912         | 7                       |
| 836.5MHz_RB 1,#RB M             | Pass   | 1.46        | 21.33           | 21.33          | 0.136        | Inf               | 20.64             | 0.11588         | 7                       |
| 836.5MHz_RB 1,#RB H             | Pass   | 1.46        | 21.50           | 21.50          | 0.141        | Inf               | 20.81             | 0.12050         | 7                       |
| 836.5MHz_RB 25,#RB L            | Pass   | 1.46        | 20.19           | 20.19          | 0.104        | Inf               | 19.50             | 0.08913         | 7                       |
| 836.5MHz_RB 25,#RB M            | Pass   | 1.46        | 20.15           | 20.15          | 0.104        | Inf               | 19.46             | 0.08831         | 7                       |





## Average Power

## Appendix A.3

| Mode                             | Result | DG<br>(dB) | Port 1<br>(dBm) | Power<br>(dBm) | Power<br>(W) | Power Lim.<br>(W) | EIRP/ERP<br>(dBm) | EIRP/ERP<br>(W) | EIRP/ERP<br>Lim.<br>(W) |
|----------------------------------|--------|------------|-----------------|----------------|--------------|-------------------|-------------------|-----------------|-------------------------|
| 836.5MHz_RB 25,#RB H             | Pass   | 1.46       | 20.21           | 20.21          | 0.105        | Inf               | 19.52             | 0.08954         | 7                       |
| 844MHz_RB 50,#RB 0               | Pass   | 1.46       | 20.14           | 20.14          | 0.103        | Inf               | 19.45             | 0.08810         | 7                       |
| 844MHz_RB 1,#RB L                | Pass   | 1.46       | 21.51           | 21.51          | 0.142        | Inf               | 20.82             | 0.12078         | 7                       |
| 844MHz_RB 1,#RB M                | Pass   | 1.46       | 21.32           | 21.32          | 0.136        | Inf               | 20.63             | 0.11561         | 7                       |
| 844MHz_RB 1,#RB H                | Pass   | 1.46       | 21.24           | 21.24          | 0.133        | Inf               | 20.55             | 0.11350         | 7                       |
| 844MHz_RB 25,#RB L               | Pass   | 1.46       | 20.20           | 20.20          | 0.105        | Inf               | 19.51             | 0.08933         | 7                       |
| 844MHz_RB 25,#RB M               | Pass   | 1.46       | 20.11           | 20.11          | 0.103        | Inf               | 19.42             | 0.08750         | 7                       |
| 844MHz_RB 25,#RB H               | Pass   | 1.46       | 20.12           | 20.12          | 0.103        | Inf               | 19.43             | 0.08770         | 7                       |
| Band 5_LTE_1.4MHz_Nss1,64QAM_1TX | -      | -          | -               | -              | -            | -                 | -                 | -               | -                       |
| 824.7MHz_RB 6,#RB 0              | Pass   | 1.46       | 20.13           | 20.13          | 0.103        | Inf               | 19.44             | 0.08790         | 7                       |
| 824.7MHz_RB 1,#RB L              | Pass   | 1.46       | 21.54           | 21.54          | 0.143        | Inf               | 20.85             | 0.12162         | 7                       |
| 824.7MHz_RB 1,#RB M              | Pass   | 1.46       | 20.95           | 20.95          | 0.124        | Inf               | 20.26             | 0.10617         | 7                       |
| 824.7MHz_RB 1,#RB H              | Pass   | 1.46       | 21.48           | 21.48          | 0.141        | Inf               | 20.79             | 0.11995         | 7                       |
| 824.7MHz_RB 3,#RB L              | Pass   | 1.46       | 21.18           | 21.18          | 0.131        | Inf               | 20.49             | 0.11194         | 7                       |
| 824.7MHz_RB 3,#RB M              | Pass   | 1.46       | 20.95           | 20.95          | 0.124        | Inf               | 20.26             | 0.10617         | 7                       |
| 824.7MHz_RB 3,#RB H              | Pass   | 1.46       | 21.17           | 21.17          | 0.131        | Inf               | 20.48             | 0.11169         | 7                       |
| 836.5MHz_RB 6,#RB 0              | Pass   | 1.46       | 20.15           | 20.15          | 0.104        | Inf               | 19.46             | 0.08831         | 7                       |
| 836.5MHz_RB 1,#RB L              | Pass   | 1.46       | 21.55           | 21.55          | 0.143        | Inf               | 20.86             | 0.12190         | 7                       |
| 836.5MHz_RB 1,#RB M              | Pass   | 1.46       | 21.19           | 21.19          | 0.132        | Inf               | 20.50             | 0.11220         | 7                       |
| 836.5MHz_RB 1,#RB H              | Pass   | 1.46       | 21.48           | 21.48          | 0.141        | Inf               | 20.79             | 0.11995         | 7                       |
| 836.5MHz_RB 3,#RB L              | Pass   | 1.46       | 21.16           | 21.16          | 0.131        | Inf               | 20.47             | 0.11143         | 7                       |
| 836.5MHz_RB 3,#RB M              | Pass   | 1.46       | 20.98           | 20.98          | 0.125        | Inf               | 20.29             | 0.10691         | 7                       |
| 836.5MHz_RB 3,#RB H              | Pass   | 1.46       | 21.18           | 21.18          | 0.131        | Inf               | 20.49             | 0.11194         | 7                       |
| 848.3MHz_RB 6,#RB 0              | Pass   | 1.46       | 20.00           | 20.00          | 0.100        | Inf               | 19.31             | 0.08531         | 7                       |
| 848.3MHz_RB 1,#RB L              | Pass   | 1.46       | 21.38           | 21.38          | 0.137        | Inf               | 20.69             | 0.11722         | 7                       |
| 848.3MHz_RB 1,#RB M              | Pass   | 1.46       | 20.81           | 20.81          | 0.121        | Inf               | 20.12             | 0.10280         | 7                       |
| 848.3MHz_RB 1,#RB H              | Pass   | 1.46       | 21.31           | 21.31          | 0.135        | Inf               | 20.62             | 0.11535         | 7                       |
| 848.3MHz_RB 3,#RB L              | Pass   | 1.46       | 21.10           | 21.10          | 0.129        | Inf               | 20.41             | 0.10990         | 7                       |
| 848.3MHz_RB 3,#RB M              | Pass   | 1.46       | 20.90           | 20.90          | 0.123        | Inf               | 20.21             | 0.10495         | 7                       |
| 848.3MHz_RB 3,#RB H              | Pass   | 1.46       | 21.11           | 21.11          | 0.129        | Inf               | 20.42             | 0.11015         | 7                       |
| Band 5_LTE_3MHz_Nss1,64QAM_1TX   | -      | -          | -               | -              | -            | -                 | -                 | -               | -                       |
| 825.5MHz_RB 15,#RB 0             | Pass   | 1.46       | 20.11           | 20.11          | 0.103        | Inf               | 19.42             | 0.08750         | 7                       |
| 825.5MHz_RB 1,#RB L              | Pass   | 1.46       | 21.29           | 21.29          | 0.135        | Inf               | 20.60             | 0.11482         | 7                       |
| 825.5MHz_RB 1,#RB M              | Pass   | 1.46       | 21.26           | 21.26          | 0.134        | Inf               | 20.57             | 0.11402         | 7                       |
| 825.5MHz_RB 1,#RB H              | Pass   | 1.46       | 21.27           | 21.27          | 0.134        | Inf               | 20.58             | 0.11429         | 7                       |
| 825.5MHz_RB 8,#RB L              | Pass   | 1.46       | 20.18           | 20.18          | 0.104        | Inf               | 19.49             | 0.08892         | 7                       |
| 825.5MHz_RB 8,#RB M              | Pass   | 1.46       | 20.10           | 20.10          | 0.102        | Inf               | 19.41             | 0.08730         | 7                       |
| 825.5MHz_RB 8,#RB H              | Pass   | 1.46       | 20.12           | 20.12          | 0.103        | Inf               | 19.43             | 0.08770         | 7                       |
| 836.5MHz_RB 15,#RB 0             | Pass   | 1.46       | 20.15           | 20.15          | 0.104        | Inf               | 19.46             | 0.08831         | 7                       |
| 836.5MHz_RB 1,#RB L              | Pass   | 1.46       | 21.14           | 21.14          | 0.130        | Inf               | 20.45             | 0.11092         | 7                       |
| 836.5MHz_RB 1,#RB M              | Pass   | 1.46       | 21.53           | 21.53          | 0.142        | Inf               | 20.84             | 0.12134         | 7                       |
| 836.5MHz_RB 1,#RB H              | Pass   | 1.46       | 21.29           | 21.29          | 0.135        | Inf               | 20.60             | 0.11482         | 7                       |
| 836.5MHz_RB 8,#RB L              | Pass   | 1.46       | 20.26           | 20.26          | 0.106        | Inf               | 19.57             | 0.09057         | 7                       |
| 836.5MHz_RB 8,#RB M              | Pass   | 1.46       | 20.17           | 20.17          | 0.104        | Inf               | 19.48             | 0.08872         | 7                       |
| 836.5MHz_RB 8,#RB H              | Pass   | 1.46       | 20.17           | 20.17          | 0.104        | Inf               | 19.48             | 0.08872         | 7                       |
| 847.5MHz_RB 15,#RB 0             | Pass   | 1.46       | 20.10           | 20.10          | 0.102        | Inf               | 19.41             | 0.08730         | 7                       |
| 847.5MHz_RB 1,#RB L              | Pass   | 1.46       | 21.41           | 21.41          | 0.138        | Inf               | 20.72             | 0.11803         | 7                       |
| 847.5MHz_RB 1,#RB M              | Pass   | 1.46       | 21.35           | 21.35          | 0.136        | Inf               | 20.66             | 0.11641         | 7                       |



## Average Power

## Appendix A.3

| Mode                            | Result | DG<br>(dBi) | Port 1<br>(dBm) | Power<br>(dBm) | Power<br>(W) | Power Lim.<br>(W) | EIRP/ERP<br>(dBm) | EIRP/ERP<br>(W) | EIRP/ERP<br>Lim.<br>(W) |
|---------------------------------|--------|-------------|-----------------|----------------|--------------|-------------------|-------------------|-----------------|-------------------------|
| 847.5MHz_RB 1,#RB H             | Pass   | 1.46        | 21.14           | 21.14          | 0.130        | Inf               | 20.45             | 0.11092         | 7                       |
| 847.5MHz_RB 8,#RB L             | Pass   | 1.46        | 20.18           | 20.18          | 0.104        | Inf               | 19.49             | 0.08892         | 7                       |
| 847.5MHz_RB 8,#RB M             | Pass   | 1.46        | 20.11           | 20.11          | 0.103        | Inf               | 19.42             | 0.08750         | 7                       |
| 847.5MHz_RB 8,#RB H             | Pass   | 1.46        | 20.05           | 20.05          | 0.101        | Inf               | 19.36             | 0.08630         | 7                       |
| Band 5_LTE_5MHz_Nss1,64QAM_1TX  | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 826.5MHz_RB 25,#RB 0            | Pass   | 1.46        | 20.02           | 20.02          | 0.100        | Inf               | 19.33             | 0.08570         | 7                       |
| 826.5MHz_RB 1,#RB L             | Pass   | 1.46        | 21.11           | 21.11          | 0.129        | Inf               | 20.42             | 0.11015         | 7                       |
| 826.5MHz_RB 1,#RB M             | Pass   | 1.46        | 21.11           | 21.11          | 0.129        | Inf               | 20.42             | 0.11015         | 7                       |
| 826.5MHz_RB 1,#RB H             | Pass   | 1.46        | 20.92           | 20.92          | 0.124        | Inf               | 20.23             | 0.10544         | 7                       |
| 826.5MHz_RB 12,#RB L            | Pass   | 1.46        | 20.03           | 20.03          | 0.101        | Inf               | 19.34             | 0.08590         | 7                       |
| 826.5MHz_RB 12,#RB M            | Pass   | 1.46        | 19.96           | 19.96          | 0.099        | Inf               | 19.27             | 0.08453         | 7                       |
| 826.5MHz_RB 12,#RB H            | Pass   | 1.46        | 19.96           | 19.96          | 0.099        | Inf               | 19.27             | 0.08453         | 7                       |
| 836.5MHz_RB 25,#RB 0            | Pass   | 1.46        | 20.04           | 20.04          | 0.101        | Inf               | 19.35             | 0.08610         | 7                       |
| 836.5MHz_RB 1,#RB L             | Pass   | 1.46        | 20.88           | 20.88          | 0.122        | Inf               | 20.19             | 0.10447         | 7                       |
| 836.5MHz_RB 1,#RB M             | Pass   | 1.46        | 21.15           | 21.15          | 0.130        | Inf               | 20.46             | 0.11117         | 7                       |
| 836.5MHz_RB 1,#RB H             | Pass   | 1.46        | 20.92           | 20.92          | 0.124        | Inf               | 20.23             | 0.10544         | 7                       |
| 836.5MHz_RB 12,#RB L            | Pass   | 1.46        | 20.03           | 20.03          | 0.101        | Inf               | 19.34             | 0.08590         | 7                       |
| 836.5MHz_RB 12,#RB M            | Pass   | 1.46        | 20.04           | 20.04          | 0.101        | Inf               | 19.35             | 0.08610         | 7                       |
| 836.5MHz_RB 12,#RB H            | Pass   | 1.46        | 20.00           | 20.00          | 0.100        | Inf               | 19.31             | 0.08531         | 7                       |
| 846.5MHz_RB 25,#RB 0            | Pass   | 1.46        | 19.96           | 19.96          | 0.099        | Inf               | 19.27             | 0.08453         | 7                       |
| 846.5MHz_RB 1,#RB L             | Pass   | 1.46        | 20.96           | 20.96          | 0.125        | Inf               | 20.27             | 0.10641         | 7                       |
| 846.5MHz_RB 1,#RB M             | Pass   | 1.46        | 20.94           | 20.94          | 0.124        | Inf               | 20.25             | 0.10593         | 7                       |
| 846.5MHz_RB 1,#RB H             | Pass   | 1.46        | 20.87           | 20.87          | 0.122        | Inf               | 20.18             | 0.10423         | 7                       |
| 846.5MHz_RB 12,#RB L            | Pass   | 1.46        | 19.99           | 19.99          | 0.100        | Inf               | 19.30             | 0.08511         | 7                       |
| 846.5MHz_RB 12,#RB M            | Pass   | 1.46        | 19.95           | 19.95          | 0.099        | Inf               | 19.26             | 0.08433         | 7                       |
| 846.5MHz_RB 12,#RB H            | Pass   | 1.46        | 19.89           | 19.89          | 0.097        | Inf               | 19.20             | 0.08318         | 7                       |
| Band 5_LTE_10MHz_Nss1,64QAM_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 829MHz_RB 50,#RB 0              | Pass   | 1.46        | 20.02           | 20.02          | 0.100        | Inf               | 19.33             | 0.08570         | 7                       |
| 829MHz_RB 1,#RB L               | Pass   | 1.46        | 21.22           | 21.22          | 0.132        | Inf               | 20.53             | 0.11298         | 7                       |
| 829MHz_RB 1,#RB M               | Pass   | 1.46        | 21.16           | 21.16          | 0.131        | Inf               | 20.47             | 0.11143         | 7                       |
| 829MHz_RB 1,#RB H               | Pass   | 1.46        | 21.02           | 21.02          | 0.126        | Inf               | 20.33             | 0.10789         | 7                       |
| 829MHz_RB 25,#RB L              | Pass   | 1.46        | 19.99           | 19.99          | 0.100        | Inf               | 19.30             | 0.08511         | 7                       |
| 829MHz_RB 25,#RB M              | Pass   | 1.46        | 20.00           | 20.00          | 0.100        | Inf               | 19.31             | 0.08531         | 7                       |
| 829MHz_RB 25,#RB H              | Pass   | 1.46        | 19.99           | 19.99          | 0.100        | Inf               | 19.30             | 0.08511         | 7                       |
| 836.5MHz_RB 50,#RB 0            | Pass   | 1.46        | 20.10           | 20.10          | 0.102        | Inf               | 19.41             | 0.08730         | 7                       |
| 836.5MHz_RB 1,#RB L             | Pass   | 1.46        | 21.17           | 21.17          | 0.131        | Inf               | 20.48             | 0.11169         | 7                       |
| 836.5MHz_RB 1,#RB M             | Pass   | 1.46        | 21.25           | 21.25          | 0.133        | Inf               | 20.56             | 0.11376         | 7                       |
| 836.5MHz_RB 1,#RB H             | Pass   | 1.46        | 21.18           | 21.18          | 0.131        | Inf               | 20.49             | 0.11194         | 7                       |
| 836.5MHz_RB 25,#RB L            | Pass   | 1.46        | 19.94           | 19.94          | 0.099        | Inf               | 19.25             | 0.08414         | 7                       |
| 836.5MHz_RB 25,#RB M            | Pass   | 1.46        | 20.08           | 20.08          | 0.102        | Inf               | 19.39             | 0.08690         | 7                       |
| 836.5MHz_RB 25,#RB H            | Pass   | 1.46        | 20.03           | 20.03          | 0.101        | Inf               | 19.34             | 0.08590         | 7                       |
| 844MHz_RB 50,#RB 0              | Pass   | 1.46        | 20.01           | 20.01          | 0.100        | Inf               | 19.32             | 0.08551         | 7                       |
| 844MHz_RB 1,#RB L               | Pass   | 1.46        | 21.27           | 21.27          | 0.134        | Inf               | 20.58             | 0.11429         | 7                       |
| 844MHz_RB 1,#RB M               | Pass   | 1.46        | 21.01           | 21.01          | 0.126        | Inf               | 20.32             | 0.10765         | 7                       |
| 844MHz_RB 1,#RB H               | Pass   | 1.46        | 20.95           | 20.95          | 0.124        | Inf               | 20.26             | 0.10617         | 7                       |
| 844MHz_RB 25,#RB L              | Pass   | 1.46        | 20.08           | 20.08          | 0.102        | Inf               | 19.39             | 0.08690         | 7                       |
| 844MHz_RB 25,#RB M              | Pass   | 1.46        | 19.97           | 19.97          | 0.099        | Inf               | 19.28             | 0.08472         | 7                       |
| 844MHz_RB 25,#RB H              | Pass   | 1.46        | 19.95           | 19.95          | 0.099        | Inf               | 19.26             | 0.08433         | 7                       |



## Average Power

## Appendix A.3

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm) | Power<br>(dBm) | Power<br>(W) | Power Lim.<br>(W) | EIRP/ERP<br>(dBm) | EIRP/ERP<br>(W) | EIRP/ERP<br>Lim.<br>(W) |
|--------------------------------|--------|-------------|-----------------|----------------|--------------|-------------------|-------------------|-----------------|-------------------------|
| Band 7_LTE_5MHz_Nss1,QPSK_1TX  | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 2502.5MHz_RB 25,#RB 0          | Pass   | -2.96       | 19.30           | 19.30          | 0.085        | Inf               | 16.34             | 0.04305         | 2                       |
| 2502.5MHz_RB 1,#RB L           | Pass   | -2.96       | 20.10           | 20.10          | 0.102        | Inf               | 17.14             | 0.05176         | 2                       |
| 2502.5MHz_RB 1,#RB M           | Pass   | -2.96       | 20.14           | 20.14          | 0.103        | Inf               | 17.18             | 0.05224         | 2                       |
| 2502.5MHz_RB 1,#RB H           | Pass   | -2.96       | 19.95           | 19.95          | 0.099        | Inf               | 16.99             | 0.05000         | 2                       |
| 2502.5MHz_RB 12,#RB L          | Pass   | -2.96       | 19.30           | 19.30          | 0.085        | Inf               | 16.34             | 0.04305         | 2                       |
| 2502.5MHz_RB 12,#RB M          | Pass   | -2.96       | 19.25           | 19.25          | 0.084        | Inf               | 16.29             | 0.04256         | 2                       |
| 2502.5MHz_RB 12,#RB H          | Pass   | -2.96       | 19.28           | 19.28          | 0.085        | Inf               | 16.32             | 0.04285         | 2                       |
| 2535MHz_RB 25,#RB 0            | Pass   | -2.96       | 19.30           | 19.30          | 0.085        | Inf               | 16.34             | 0.04305         | 2                       |
| 2535MHz_RB 1,#RB L             | Pass   | -2.96       | 20.16           | 20.16          | 0.104        | Inf               | 17.20             | 0.05248         | 2                       |
| 2535MHz_RB 1,#RB M             | Pass   | -2.96       | 20.18           | 20.18          | 0.104        | Inf               | 17.22             | 0.05272         | 2                       |
| 2535MHz_RB 1,#RB H             | Pass   | -2.96       | 20.01           | 20.01          | 0.100        | Inf               | 17.05             | 0.05070         | 2                       |
| 2535MHz_RB 12,#RB L            | Pass   | -2.96       | 19.36           | 19.36          | 0.086        | Inf               | 16.40             | 0.04365         | 2                       |
| 2535MHz_RB 12,#RB M            | Pass   | -2.96       | 19.30           | 19.30          | 0.085        | Inf               | 16.34             | 0.04305         | 2                       |
| 2535MHz_RB 12,#RB H            | Pass   | -2.96       | 19.27           | 19.27          | 0.085        | Inf               | 16.31             | 0.04276         | 2                       |
| 2567.5MHz_RB 25,#RB 0          | Pass   | -2.96       | 19.28           | 19.28          | 0.085        | Inf               | 16.32             | 0.04285         | 2                       |
| 2567.5MHz_RB 1,#RB L           | Pass   | -2.96       | 20.12           | 20.12          | 0.103        | Inf               | 17.16             | 0.05200         | 2                       |
| 2567.5MHz_RB 1,#RB M           | Pass   | -2.96       | 20.07           | 20.07          | 0.102        | Inf               | 17.11             | 0.05140         | 2                       |
| 2567.5MHz_RB 1,#RB H           | Pass   | -2.96       | 19.88           | 19.88          | 0.097        | Inf               | 16.92             | 0.04920         | 2                       |
| 2567.5MHz_RB 12,#RB L          | Pass   | -2.96       | 19.40           | 19.40          | 0.087        | Inf               | 16.44             | 0.04406         | 2                       |
| 2567.5MHz_RB 12,#RB M          | Pass   | -2.96       | 19.24           | 19.24          | 0.084        | Inf               | 16.28             | 0.04246         | 2                       |
| 2567.5MHz_RB 12,#RB H          | Pass   | -2.96       | 19.19           | 19.19          | 0.083        | Inf               | 16.23             | 0.04198         | 2                       |
| Band 7_LTE_10MHz_Nss1,QPSK_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 2505MHz_RB 50,#RB 0            | Pass   | -2.96       | 19.23           | 19.23          | 0.084        | Inf               | 16.27             | 0.04236         | 2                       |
| 2505MHz_RB 1,#RB L             | Pass   | -2.96       | 20.24           | 20.24          | 0.106        | Inf               | 17.28             | 0.05346         | 2                       |
| 2505MHz_RB 1,#RB M             | Pass   | -2.96       | 20.13           | 20.13          | 0.103        | Inf               | 17.17             | 0.05212         | 2                       |
| 2505MHz_RB 1,#RB H             | Pass   | -2.96       | 19.85           | 19.85          | 0.097        | Inf               | 16.89             | 0.04887         | 2                       |
| 2505MHz_RB 25,#RB L            | Pass   | -2.96       | 19.37           | 19.37          | 0.086        | Inf               | 16.41             | 0.04375         | 2                       |
| 2505MHz_RB 25,#RB M            | Pass   | -2.96       | 19.25           | 19.25          | 0.084        | Inf               | 16.29             | 0.04256         | 2                       |
| 2505MHz_RB 25,#RB H            | Pass   | -2.96       | 19.29           | 19.29          | 0.085        | Inf               | 16.33             | 0.04295         | 2                       |
| 2535MHz_RB 50,#RB 0            | Pass   | -2.96       | 19.33           | 19.33          | 0.086        | Inf               | 16.37             | 0.04335         | 2                       |
| 2535MHz_RB 1,#RB L             | Pass   | -2.96       | 20.28           | 20.28          | 0.107        | Inf               | 17.32             | 0.05395         | 2                       |
| 2535MHz_RB 1,#RB M             | Pass   | -2.96       | 20.26           | 20.26          | 0.106        | Inf               | 17.30             | 0.05370         | 2                       |
| 2535MHz_RB 1,#RB H             | Pass   | -2.96       | 20.15           | 20.15          | 0.104        | Inf               | 17.19             | 0.05236         | 2                       |
| 2535MHz_RB 25,#RB L            | Pass   | -2.96       | 19.38           | 19.38          | 0.087        | Inf               | 16.42             | 0.04385         | 2                       |
| 2535MHz_RB 25,#RB M            | Pass   | -2.96       | 19.39           | 19.39          | 0.087        | Inf               | 16.43             | 0.04395         | 2                       |
| 2535MHz_RB 25,#RB H            | Pass   | -2.96       | 19.32           | 19.32          | 0.086        | Inf               | 16.36             | 0.04325         | 2                       |
| 2565MHz_RB 50,#RB 0            | Pass   | -2.96       | 19.36           | 19.36          | 0.086        | Inf               | 16.40             | 0.04365         | 2                       |
| 2565MHz_RB 1,#RB L             | Pass   | -2.96       | 20.30           | 20.30          | 0.107        | Inf               | 17.34             | 0.05420         | 2                       |
| 2565MHz_RB 1,#RB M             | Pass   | -2.96       | 20.37           | 20.37          | 0.109        | Inf               | 17.41             | 0.05508         | 2                       |
| 2565MHz_RB 1,#RB H             | Pass   | -2.96       | 19.98           | 19.98          | 0.100        | Inf               | 17.02             | 0.05035         | 2                       |
| 2565MHz_RB 25,#RB L            | Pass   | -2.96       | 19.39           | 19.39          | 0.087        | Inf               | 16.43             | 0.04395         | 2                       |
| 2565MHz_RB 25,#RB M            | Pass   | -2.96       | 19.37           | 19.37          | 0.086        | Inf               | 16.41             | 0.04375         | 2                       |
| 2565MHz_RB 25,#RB H            | Pass   | -2.96       | 19.23           | 19.23          | 0.084        | Inf               | 16.27             | 0.04236         | 2                       |
| Band 7_LTE_15MHz_Nss1,QPSK_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 2507.5MHz_RB 75,#RB 0          | Pass   | -2.96       | 19.38           | 19.38          | 0.087        | Inf               | 16.42             | 0.04385         | 2                       |
| 2507.5MHz_RB 1,#RB L           | Pass   | -2.96       | 20.14           | 20.14          | 0.103        | Inf               | 17.18             | 0.05224         | 2                       |
| 2507.5MHz_RB 1,#RB M           | Pass   | -2.96       | 20.06           | 20.06          | 0.101        | Inf               | 17.10             | 0.05129         | 2                       |



## Average Power

## Appendix A.3

| Mode                           | Result | DG<br>(dBi) | Port 1<br>(dBm) | Power<br>(dBm) | Power<br>(W) | Power Lim.<br>(W) | EIRP/ERP<br>(dBm) | EIRP/ERP<br>(W) | EIRP/ERP<br>Lim.<br>(W) |
|--------------------------------|--------|-------------|-----------------|----------------|--------------|-------------------|-------------------|-----------------|-------------------------|
| 2507.5MHz_RB 1,#RB H           | Pass   | -2.96       | 19.85           | 19.85          | 0.097        | Inf               | 16.89             | 0.04887         | 2                       |
| 2507.5MHz_RB 36,#RB L          | Pass   | -2.96       | 19.53           | 19.53          | 0.090        | Inf               | 16.57             | 0.04539         | 2                       |
| 2507.5MHz_RB 36,#RB M          | Pass   | -2.96       | 19.24           | 19.24          | 0.084        | Inf               | 16.28             | 0.04246         | 2                       |
| 2507.5MHz_RB 36,#RB H          | Pass   | -2.96       | 19.27           | 19.27          | 0.085        | Inf               | 16.31             | 0.04276         | 2                       |
| 2535MHz_RB 75,#RB 0            | Pass   | -2.96       | 19.35           | 19.35          | 0.086        | Inf               | 16.39             | 0.04355         | 2                       |
| 2535MHz_RB 1,#RB L             | Pass   | -2.96       | 20.04           | 20.04          | 0.101        | Inf               | 17.08             | 0.05105         | 2                       |
| 2535MHz_RB 1,#RB M             | Pass   | -2.96       | 20.09           | 20.09          | 0.102        | Inf               | 17.13             | 0.05164         | 2                       |
| 2535MHz_RB 1,#RB H             | Pass   | -2.96       | 19.75           | 19.75          | 0.094        | Inf               | 16.79             | 0.04775         | 2                       |
| 2535MHz_RB 36,#RB L            | Pass   | -2.96       | 19.46           | 19.46          | 0.088        | Inf               | 16.50             | 0.04467         | 2                       |
| 2535MHz_RB 36,#RB M            | Pass   | -2.96       | 19.30           | 19.30          | 0.085        | Inf               | 16.34             | 0.04305         | 2                       |
| 2535MHz_RB 36,#RB H            | Pass   | -2.96       | 19.31           | 19.31          | 0.085        | Inf               | 16.35             | 0.04315         | 2                       |
| 2562.5MHz_RB 75,#RB 0          | Pass   | -2.96       | 19.39           | 19.39          | 0.087        | Inf               | 16.43             | 0.04395         | 2                       |
| 2562.5MHz_RB 1,#RB L           | Pass   | -2.96       | 20.16           | 20.16          | 0.104        | Inf               | 17.20             | 0.05248         | 2                       |
| 2562.5MHz_RB 1,#RB M           | Pass   | -2.96       | 20.17           | 20.17          | 0.104        | Inf               | 17.21             | 0.05260         | 2                       |
| 2562.5MHz_RB 1,#RB H           | Pass   | -2.96       | 19.85           | 19.85          | 0.097        | Inf               | 16.89             | 0.04887         | 2                       |
| 2562.5MHz_RB 36,#RB L          | Pass   | -2.96       | 19.53           | 19.53          | 0.090        | Inf               | 16.57             | 0.04539         | 2                       |
| 2562.5MHz_RB 36,#RB M          | Pass   | -2.96       | 19.31           | 19.31          | 0.085        | Inf               | 16.35             | 0.04315         | 2                       |
| 2562.5MHz_RB 36,#RB H          | Pass   | -2.96       | 19.34           | 19.34          | 0.086        | Inf               | 16.38             | 0.04345         | 2                       |
| Band 7_LTE_20MHz_Nss1,QPSK_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 2510MHz_RB 100,#RB 0           | Pass   | -2.96       | 19.31           | 19.31          | 0.085        | Inf               | 16.35             | 0.04315         | 2                       |
| 2510MHz_RB 1,#RB L             | Pass   | -2.96       | 19.79           | 19.79          | 0.095        | Inf               | 16.83             | 0.04819         | 2                       |
| 2510MHz_RB 1,#RB M             | Pass   | -2.96       | 20.00           | 20.00          | 0.100        | Inf               | 17.04             | 0.05058         | 2                       |
| 2510MHz_RB 1,#RB H             | Pass   | -2.96       | 19.26           | 19.26          | 0.084        | Inf               | 16.30             | 0.04266         | 2                       |
| 2510MHz_RB 50,#RB L            | Pass   | -2.96       | 19.39           | 19.39          | 0.087        | Inf               | 16.43             | 0.04395         | 2                       |
| 2510MHz_RB 50,#RB M            | Pass   | -2.96       | 19.16           | 19.16          | 0.082        | Inf               | 16.20             | 0.04169         | 2                       |
| 2510MHz_RB 50,#RB H            | Pass   | -2.96       | 19.21           | 19.21          | 0.083        | Inf               | 16.25             | 0.04217         | 2                       |
| 2535MHz_RB 100,#RB 0           | Pass   | -2.96       | 19.31           | 19.31          | 0.085        | Inf               | 16.35             | 0.04315         | 2                       |
| 2535MHz_RB 1,#RB L             | Pass   | -2.96       | 19.79           | 19.79          | 0.095        | Inf               | 16.83             | 0.04819         | 2                       |
| 2535MHz_RB 1,#RB M             | Pass   | -2.96       | 20.11           | 20.11          | 0.103        | Inf               | 17.15             | 0.05188         | 2                       |
| 2535MHz_RB 1,#RB H             | Pass   | -2.96       | 19.28           | 19.28          | 0.085        | Inf               | 16.32             | 0.04285         | 2                       |
| 2535MHz_RB 50,#RB L            | Pass   | -2.96       | 19.42           | 19.42          | 0.087        | Inf               | 16.46             | 0.04426         | 2                       |
| 2535MHz_RB 50,#RB M            | Pass   | -2.96       | 19.27           | 19.27          | 0.085        | Inf               | 16.31             | 0.04276         | 2                       |
| 2535MHz_RB 50,#RB H            | Pass   | -2.96       | 19.23           | 19.23          | 0.084        | Inf               | 16.27             | 0.04236         | 2                       |
| 2560MHz_RB 100,#RB 0           | Pass   | -2.96       | 19.37           | 19.37          | 0.086        | Inf               | 16.41             | 0.04375         | 2                       |
| 2560MHz_RB 1,#RB L             | Pass   | -2.96       | 19.79           | 19.79          | 0.095        | Inf               | 16.83             | 0.04819         | 2                       |
| 2560MHz_RB 1,#RB M             | Pass   | -2.96       | 20.07           | 20.07          | 0.102        | Inf               | 17.11             | 0.05140         | 2                       |
| 2560MHz_RB 1,#RB H             | Pass   | -2.96       | 19.28           | 19.28          | 0.085        | Inf               | 16.32             | 0.04285         | 2                       |
| 2560MHz_RB 50,#RB L            | Pass   | -2.96       | 19.49           | 19.49          | 0.089        | Inf               | 16.53             | 0.04498         | 2                       |
| 2560MHz_RB 50,#RB M            | Pass   | -2.96       | 19.39           | 19.39          | 0.087        | Inf               | 16.43             | 0.04395         | 2                       |
| 2560MHz_RB 50,#RB H            | Pass   | -2.96       | 19.28           | 19.28          | 0.085        | Inf               | 16.32             | 0.04285         | 2                       |
| Band 7_LTE_5MHz_Nss1,16QAM_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 2502.5MHz_RB 25,#RB 0          | Pass   | -2.96       | 18.27           | 18.27          | 0.067        | Inf               | 15.31             | 0.03396         | 2                       |
| 2502.5MHz_RB 1,#RB L           | Pass   | -2.96       | 19.27           | 19.27          | 0.085        | Inf               | 16.31             | 0.04276         | 2                       |
| 2502.5MHz_RB 1,#RB M           | Pass   | -2.96       | 19.50           | 19.50          | 0.089        | Inf               | 16.54             | 0.04508         | 2                       |
| 2502.5MHz_RB 1,#RB H           | Pass   | -2.96       | 19.31           | 19.31          | 0.085        | Inf               | 16.35             | 0.04315         | 2                       |
| 2502.5MHz_RB 12,#RB L          | Pass   | -2.96       | 18.27           | 18.27          | 0.067        | Inf               | 15.31             | 0.03396         | 2                       |
| 2502.5MHz_RB 12,#RB M          | Pass   | -2.96       | 18.30           | 18.30          | 0.068        | Inf               | 15.34             | 0.03420         | 2                       |
| 2502.5MHz_RB 12,#RB H          | Pass   | -2.96       | 18.32           | 18.32          | 0.068        | Inf               | 15.36             | 0.03436         | 2                       |



## Average Power

## Appendix A.3

| Mode                            | Result | DG<br>(dBi) | Port 1<br>(dBm) | Power<br>(dBm) | Power<br>(W) | Power Lim.<br>(W) | EIRP/ERP<br>(dBm) | EIRP/ERP<br>(W) | EIRP/ERP<br>Lim.<br>(W) |
|---------------------------------|--------|-------------|-----------------|----------------|--------------|-------------------|-------------------|-----------------|-------------------------|
| 2535MHz_RB 25,#RB 0             | Pass   | -2.96       | 18.33           | 18.33          | 0.068        | Inf               | 15.37             | 0.03443         | 2                       |
| 2535MHz_RB 1,#RB L              | Pass   | -2.96       | 19.48           | 19.48          | 0.089        | Inf               | 16.52             | 0.04487         | 2                       |
| 2535MHz_RB 1,#RB M              | Pass   | -2.96       | 19.37           | 19.37          | 0.086        | Inf               | 16.41             | 0.04375         | 2                       |
| 2535MHz_RB 1,#RB H              | Pass   | -2.96       | 19.41           | 19.41          | 0.087        | Inf               | 16.45             | 0.04416         | 2                       |
| 2535MHz_RB 12,#RB L             | Pass   | -2.96       | 18.38           | 18.38          | 0.069        | Inf               | 15.42             | 0.03483         | 2                       |
| 2535MHz_RB 12,#RB M             | Pass   | -2.96       | 18.33           | 18.33          | 0.068        | Inf               | 15.37             | 0.03443         | 2                       |
| 2535MHz_RB 12,#RB H             | Pass   | -2.96       | 18.24           | 18.24          | 0.067        | Inf               | 15.28             | 0.03373         | 2                       |
| 2567.5MHz_RB 25,#RB 0           | Pass   | -2.96       | 18.21           | 18.21          | 0.066        | Inf               | 15.25             | 0.03350         | 2                       |
| 2567.5MHz_RB 1,#RB L            | Pass   | -2.96       | 19.35           | 19.35          | 0.086        | Inf               | 16.39             | 0.04355         | 2                       |
| 2567.5MHz_RB 1,#RB M            | Pass   | -2.96       | 19.62           | 19.62          | 0.092        | Inf               | 16.66             | 0.04634         | 2                       |
| 2567.5MHz_RB 1,#RB H            | Pass   | -2.96       | 19.15           | 19.15          | 0.082        | Inf               | 16.19             | 0.04159         | 2                       |
| 2567.5MHz_RB 12,#RB L           | Pass   | -2.96       | 18.34           | 18.34          | 0.068        | Inf               | 15.38             | 0.03451         | 2                       |
| 2567.5MHz_RB 12,#RB M           | Pass   | -2.96       | 18.25           | 18.25          | 0.067        | Inf               | 15.29             | 0.03381         | 2                       |
| 2567.5MHz_RB 12,#RB H           | Pass   | -2.96       | 18.24           | 18.24          | 0.067        | Inf               | 15.28             | 0.03373         | 2                       |
| Band 7_LTE_10MHz_Nss1,16QAM_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 2505MHz_RB 50,#RB 0             | Pass   | -2.96       | 18.29           | 18.29          | 0.067        | Inf               | 15.33             | 0.03412         | 2                       |
| 2505MHz_RB 1,#RB L              | Pass   | -2.96       | 19.43           | 19.43          | 0.088        | Inf               | 16.47             | 0.04436         | 2                       |
| 2505MHz_RB 1,#RB M              | Pass   | -2.96       | 19.65           | 19.65          | 0.092        | Inf               | 16.69             | 0.04667         | 2                       |
| 2505MHz_RB 1,#RB H              | Pass   | -2.96       | 19.28           | 19.28          | 0.085        | Inf               | 16.32             | 0.04285         | 2                       |
| 2505MHz_RB 25,#RB L             | Pass   | -2.96       | 18.35           | 18.35          | 0.068        | Inf               | 15.39             | 0.03459         | 2                       |
| 2505MHz_RB 25,#RB M             | Pass   | -2.96       | 18.31           | 18.31          | 0.068        | Inf               | 15.35             | 0.03428         | 2                       |
| 2505MHz_RB 25,#RB H             | Pass   | -2.96       | 18.29           | 18.29          | 0.067        | Inf               | 15.33             | 0.03412         | 2                       |
| 2535MHz_RB 50,#RB 0             | Pass   | -2.96       | 18.38           | 18.38          | 0.069        | Inf               | 15.42             | 0.03483         | 2                       |
| 2535MHz_RB 1,#RB L              | Pass   | -2.96       | 19.53           | 19.53          | 0.090        | Inf               | 16.57             | 0.04539         | 2                       |
| 2535MHz_RB 1,#RB M              | Pass   | -2.96       | 19.42           | 19.42          | 0.087        | Inf               | 16.46             | 0.04426         | 2                       |
| 2535MHz_RB 1,#RB H              | Pass   | -2.96       | 19.33           | 19.33          | 0.086        | Inf               | 16.37             | 0.04335         | 2                       |
| 2535MHz_RB 25,#RB L             | Pass   | -2.96       | 18.42           | 18.42          | 0.070        | Inf               | 15.46             | 0.03516         | 2                       |
| 2535MHz_RB 25,#RB M             | Pass   | -2.96       | 18.37           | 18.37          | 0.069        | Inf               | 15.41             | 0.03475         | 2                       |
| 2535MHz_RB 25,#RB H             | Pass   | -2.96       | 18.31           | 18.31          | 0.068        | Inf               | 15.35             | 0.03428         | 2                       |
| 2565MHz_RB 50,#RB 0             | Pass   | -2.96       | 18.41           | 18.41          | 0.069        | Inf               | 15.45             | 0.03508         | 2                       |
| 2565MHz_RB 1,#RB L              | Pass   | -2.96       | 19.53           | 19.53          | 0.090        | Inf               | 16.57             | 0.04539         | 2                       |
| 2565MHz_RB 1,#RB M              | Pass   | -2.96       | 19.40           | 19.40          | 0.087        | Inf               | 16.44             | 0.04406         | 2                       |
| 2565MHz_RB 1,#RB H              | Pass   | -2.96       | 19.50           | 19.50          | 0.089        | Inf               | 16.54             | 0.04508         | 2                       |
| 2565MHz_RB 25,#RB L             | Pass   | -2.96       | 18.44           | 18.44          | 0.070        | Inf               | 15.48             | 0.03532         | 2                       |
| 2565MHz_RB 25,#RB M             | Pass   | -2.96       | 18.35           | 18.35          | 0.068        | Inf               | 15.39             | 0.03459         | 2                       |
| 2565MHz_RB 25,#RB H             | Pass   | -2.96       | 18.20           | 18.20          | 0.066        | Inf               | 15.24             | 0.03342         | 2                       |
| Band 7_LTE_15MHz_Nss1,16QAM_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 2507.5MHz_RB 75,#RB 0           | Pass   | -2.96       | 18.32           | 18.32          | 0.068        | Inf               | 15.36             | 0.03436         | 2                       |
| 2507.5MHz_RB 1,#RB L            | Pass   | -2.96       | 19.28           | 19.28          | 0.085        | Inf               | 16.32             | 0.04285         | 2                       |
| 2507.5MHz_RB 1,#RB M            | Pass   | -2.96       | 19.41           | 19.41          | 0.087        | Inf               | 16.45             | 0.04416         | 2                       |
| 2507.5MHz_RB 1,#RB H            | Pass   | -2.96       | 18.97           | 18.97          | 0.079        | Inf               | 16.01             | 0.03990         | 2                       |
| 2507.5MHz_RB 36,#RB L           | Pass   | -2.96       | 18.45           | 18.45          | 0.070        | Inf               | 15.49             | 0.03540         | 2                       |
| 2507.5MHz_RB 36,#RB M           | Pass   | -2.96       | 18.24           | 18.24          | 0.067        | Inf               | 15.28             | 0.03373         | 2                       |
| 2507.5MHz_RB 36,#RB H           | Pass   | -2.96       | 18.30           | 18.30          | 0.068        | Inf               | 15.34             | 0.03420         | 2                       |
| 2535MHz_RB 75,#RB 0             | Pass   | -2.96       | 18.41           | 18.41          | 0.069        | Inf               | 15.45             | 0.03508         | 2                       |
| 2535MHz_RB 1,#RB L              | Pass   | -2.96       | 19.50           | 19.50          | 0.089        | Inf               | 16.54             | 0.04508         | 2                       |
| 2535MHz_RB 1,#RB M              | Pass   | -2.96       | 19.37           | 19.37          | 0.086        | Inf               | 16.41             | 0.04375         | 2                       |
| 2535MHz_RB 1,#RB H              | Pass   | -2.96       | 19.24           | 19.24          | 0.084        | Inf               | 16.28             | 0.04246         | 2                       |



## Average Power

## Appendix A.3

| Mode                            | Result | DG<br>(dBi) | Port 1<br>(dBm) | Power<br>(dBm) | Power<br>(W) | Power Lim.<br>(W) | EIRP/ERP<br>(dBm) | EIRP/ERP<br>(W) | EIRP/ERP<br>Lim.<br>(W) |
|---------------------------------|--------|-------------|-----------------|----------------|--------------|-------------------|-------------------|-----------------|-------------------------|
| 2535MHz_RB 36,#RB L             | Pass   | -2.96       | 18.44           | 18.44          | 0.070        | Inf               | 15.48             | 0.03532         | 2                       |
| 2535MHz_RB 36,#RB M             | Pass   | -2.96       | 18.31           | 18.31          | 0.068        | Inf               | 15.35             | 0.03428         | 2                       |
| 2535MHz_RB 36,#RB H             | Pass   | -2.96       | 18.32           | 18.32          | 0.068        | Inf               | 15.36             | 0.03436         | 2                       |
| 2562.5MHz_RB 75,#RB 0           | Pass   | -2.96       | 18.41           | 18.41          | 0.069        | Inf               | 15.45             | 0.03508         | 2                       |
| 2562.5MHz_RB 1,#RB L            | Pass   | -2.96       | 19.48           | 19.48          | 0.089        | Inf               | 16.52             | 0.04487         | 2                       |
| 2562.5MHz_RB 1,#RB M            | Pass   | -2.96       | 19.41           | 19.41          | 0.087        | Inf               | 16.45             | 0.04416         | 2                       |
| 2562.5MHz_RB 1,#RB H            | Pass   | -2.96       | 19.10           | 19.10          | 0.081        | Inf               | 16.14             | 0.04111         | 2                       |
| 2562.5MHz_RB 36,#RB L           | Pass   | -2.96       | 18.52           | 18.52          | 0.071        | Inf               | 15.56             | 0.03597         | 2                       |
| 2562.5MHz_RB 36,#RB M           | Pass   | -2.96       | 18.33           | 18.33          | 0.068        | Inf               | 15.37             | 0.03443         | 2                       |
| 2562.5MHz_RB 36,#RB H           | Pass   | -2.96       | 18.34           | 18.34          | 0.068        | Inf               | 15.38             | 0.03451         | 2                       |
| Band 7_LTE_20MHz_Nss1,16QAM_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 2510MHz_RB 100,#RB 0            | Pass   | -2.96       | 18.30           | 18.30          | 0.068        | Inf               | 15.34             | 0.03420         | 2                       |
| 2510MHz_RB 1,#RB L              | Pass   | -2.96       | 19.21           | 19.21          | 0.083        | Inf               | 16.25             | 0.04217         | 2                       |
| 2510MHz_RB 1,#RB M              | Pass   | -2.96       | 19.32           | 19.32          | 0.086        | Inf               | 16.36             | 0.04325         | 2                       |
| 2510MHz_RB 1,#RB H              | Pass   | -2.96       | 18.78           | 18.78          | 0.076        | Inf               | 15.82             | 0.03819         | 2                       |
| 2510MHz_RB 50,#RB L             | Pass   | -2.96       | 18.37           | 18.37          | 0.069        | Inf               | 15.41             | 0.03475         | 2                       |
| 2510MHz_RB 50,#RB M             | Pass   | -2.96       | 18.33           | 18.33          | 0.068        | Inf               | 15.37             | 0.03443         | 2                       |
| 2510MHz_RB 50,#RB H             | Pass   | -2.96       | 18.22           | 18.22          | 0.066        | Inf               | 15.26             | 0.03357         | 2                       |
| 2535MHz_RB 100,#RB 0            | Pass   | -2.96       | 18.32           | 18.32          | 0.068        | Inf               | 15.36             | 0.03436         | 2                       |
| 2535MHz_RB 1,#RB L              | Pass   | -2.96       | 19.26           | 19.26          | 0.084        | Inf               | 16.30             | 0.04266         | 2                       |
| 2535MHz_RB 1,#RB M              | Pass   | -2.96       | 19.38           | 19.38          | 0.087        | Inf               | 16.42             | 0.04385         | 2                       |
| 2535MHz_RB 1,#RB H              | Pass   | -2.96       | 18.69           | 18.69          | 0.074        | Inf               | 15.73             | 0.03741         | 2                       |
| 2535MHz_RB 50,#RB L             | Pass   | -2.96       | 18.46           | 18.46          | 0.070        | Inf               | 15.50             | 0.03548         | 2                       |
| 2535MHz_RB 50,#RB M             | Pass   | -2.96       | 18.32           | 18.32          | 0.068        | Inf               | 15.36             | 0.03436         | 2                       |
| 2535MHz_RB 50,#RB H             | Pass   | -2.96       | 18.24           | 18.24          | 0.067        | Inf               | 15.28             | 0.03373         | 2                       |
| 2560MHz_RB 100,#RB 0            | Pass   | -2.96       | 18.38           | 18.38          | 0.069        | Inf               | 15.42             | 0.03483         | 2                       |
| 2560MHz_RB 1,#RB L              | Pass   | -2.96       | 19.14           | 19.14          | 0.082        | Inf               | 16.18             | 0.04150         | 2                       |
| 2560MHz_RB 1,#RB M              | Pass   | -2.96       | 19.51           | 19.51          | 0.089        | Inf               | 16.55             | 0.04519         | 2                       |
| 2560MHz_RB 1,#RB H              | Pass   | -2.96       | 18.69           | 18.69          | 0.074        | Inf               | 15.73             | 0.03741         | 2                       |
| 2560MHz_RB 50,#RB L             | Pass   | -2.96       | 18.53           | 18.53          | 0.071        | Inf               | 15.57             | 0.03606         | 2                       |
| 2560MHz_RB 50,#RB M             | Pass   | -2.96       | 18.35           | 18.35          | 0.068        | Inf               | 15.39             | 0.03459         | 2                       |
| 2560MHz_RB 50,#RB H             | Pass   | -2.96       | 18.30           | 18.30          | 0.068        | Inf               | 15.34             | 0.03420         | 2                       |
| Band 7_LTE_5MHz_Nss1,64QAM_1TX  | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 2502.5MHz_RB 25,#RB 0           | Pass   | -2.96       | 18.28           | 18.28          | 0.067        | Inf               | 15.32             | 0.03404         | 2                       |
| 2502.5MHz_RB 1,#RB L            | Pass   | -2.96       | 19.28           | 19.28          | 0.085        | Inf               | 16.32             | 0.04285         | 2                       |
| 2502.5MHz_RB 1,#RB M            | Pass   | -2.96       | 19.41           | 19.41          | 0.087        | Inf               | 16.45             | 0.04416         | 2                       |
| 2502.5MHz_RB 1,#RB H            | Pass   | -2.96       | 19.25           | 19.25          | 0.084        | Inf               | 16.29             | 0.04256         | 2                       |
| 2502.5MHz_RB 12,#RB L           | Pass   | -2.96       | 18.30           | 18.30          | 0.068        | Inf               | 15.34             | 0.03420         | 2                       |
| 2502.5MHz_RB 12,#RB M           | Pass   | -2.96       | 18.30           | 18.30          | 0.068        | Inf               | 15.34             | 0.03420         | 2                       |
| 2502.5MHz_RB 12,#RB H           | Pass   | -2.96       | 18.30           | 18.30          | 0.068        | Inf               | 15.34             | 0.03420         | 2                       |
| 2535MHz_RB 25,#RB 0             | Pass   | -2.96       | 18.27           | 18.27          | 0.067        | Inf               | 15.31             | 0.03396         | 2                       |
| 2535MHz_RB 1,#RB L              | Pass   | -2.96       | 19.31           | 19.31          | 0.085        | Inf               | 16.35             | 0.04315         | 2                       |
| 2535MHz_RB 1,#RB M              | Pass   | -2.96       | 19.40           | 19.40          | 0.087        | Inf               | 16.44             | 0.04406         | 2                       |
| 2535MHz_RB 1,#RB H              | Pass   | -2.96       | 19.21           | 19.21          | 0.083        | Inf               | 16.25             | 0.04217         | 2                       |
| 2535MHz_RB 12,#RB L             | Pass   | -2.96       | 18.36           | 18.36          | 0.069        | Inf               | 15.40             | 0.03467         | 2                       |
| 2535MHz_RB 12,#RB M             | Pass   | -2.96       | 18.32           | 18.32          | 0.068        | Inf               | 15.36             | 0.03436         | 2                       |
| 2535MHz_RB 12,#RB H             | Pass   | -2.96       | 18.26           | 18.26          | 0.067        | Inf               | 15.30             | 0.03388         | 2                       |
| 2567.5MHz_RB 25,#RB 0           | Pass   | -2.96       | 18.20           | 18.20          | 0.066        | Inf               | 15.24             | 0.03342         | 2                       |



## Average Power

## Appendix A.3

| Mode                            | Result | DG<br>(dBi) | Port 1<br>(dBm) | Power<br>(dBm) | Power<br>(W) | Power Lim.<br>(W) | EIRP/ERP<br>(dBm) | EIRP/ERP<br>(W) | EIRP/ERP<br>Lim.<br>(W) |
|---------------------------------|--------|-------------|-----------------|----------------|--------------|-------------------|-------------------|-----------------|-------------------------|
| 2567.5MHz_RB 1,#RB L            | Pass   | -2.96       | 19.37           | 19.37          | 0.086        | Inf               | 16.41             | 0.04375         | 2                       |
| 2567.5MHz_RB 1,#RB M            | Pass   | -2.96       | 19.28           | 19.28          | 0.085        | Inf               | 16.32             | 0.04285         | 2                       |
| 2567.5MHz_RB 1,#RB H            | Pass   | -2.96       | 19.23           | 19.23          | 0.084        | Inf               | 16.27             | 0.04236         | 2                       |
| 2567.5MHz_RB 12,#RB L           | Pass   | -2.96       | 18.31           | 18.31          | 0.068        | Inf               | 15.35             | 0.03428         | 2                       |
| 2567.5MHz_RB 12,#RB M           | Pass   | -2.96       | 18.14           | 18.14          | 0.065        | Inf               | 15.18             | 0.03296         | 2                       |
| 2567.5MHz_RB 12,#RB H           | Pass   | -2.96       | 18.16           | 18.16          | 0.065        | Inf               | 15.20             | 0.03311         | 2                       |
| Band 7_LTE_10MHz_Nss1,64QAM_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 2505MHz_RB 50,#RB 0             | Pass   | -2.96       | 18.29           | 18.29          | 0.067        | Inf               | 15.33             | 0.03412         | 2                       |
| 2505MHz_RB 1,#RB L              | Pass   | -2.96       | 19.59           | 19.59          | 0.091        | Inf               | 16.63             | 0.04603         | 2                       |
| 2505MHz_RB 1,#RB M              | Pass   | -2.96       | 19.55           | 19.55          | 0.090        | Inf               | 16.59             | 0.04560         | 2                       |
| 2505MHz_RB 1,#RB H              | Pass   | -2.96       | 19.51           | 19.51          | 0.089        | Inf               | 16.55             | 0.04519         | 2                       |
| 2505MHz_RB 25,#RB L             | Pass   | -2.96       | 18.36           | 18.36          | 0.069        | Inf               | 15.40             | 0.03467         | 2                       |
| 2505MHz_RB 25,#RB M             | Pass   | -2.96       | 18.23           | 18.23          | 0.067        | Inf               | 15.27             | 0.03365         | 2                       |
| 2505MHz_RB 25,#RB H             | Pass   | -2.96       | 18.29           | 18.29          | 0.067        | Inf               | 15.33             | 0.03412         | 2                       |
| 2535MHz_RB 50,#RB 0             | Pass   | -2.96       | 18.37           | 18.37          | 0.069        | Inf               | 15.41             | 0.03475         | 2                       |
| 2535MHz_RB 1,#RB L              | Pass   | -2.96       | 19.63           | 19.63          | 0.092        | Inf               | 16.67             | 0.04645         | 2                       |
| 2535MHz_RB 1,#RB M              | Pass   | -2.96       | 19.55           | 19.55          | 0.090        | Inf               | 16.59             | 0.04560         | 2                       |
| 2535MHz_RB 1,#RB H              | Pass   | -2.96       | 19.19           | 19.19          | 0.083        | Inf               | 16.23             | 0.04198         | 2                       |
| 2535MHz_RB 25,#RB L             | Pass   | -2.96       | 18.37           | 18.37          | 0.069        | Inf               | 15.41             | 0.03475         | 2                       |
| 2535MHz_RB 25,#RB M             | Pass   | -2.96       | 18.33           | 18.33          | 0.068        | Inf               | 15.37             | 0.03443         | 2                       |
| 2535MHz_RB 25,#RB H             | Pass   | -2.96       | 18.29           | 18.29          | 0.067        | Inf               | 15.33             | 0.03412         | 2                       |
| 2565MHz_RB 50,#RB 0             | Pass   | -2.96       | 18.32           | 18.32          | 0.068        | Inf               | 15.36             | 0.03436         | 2                       |
| 2565MHz_RB 1,#RB L              | Pass   | -2.96       | 19.53           | 19.53          | 0.090        | Inf               | 16.57             | 0.04539         | 2                       |
| 2565MHz_RB 1,#RB M              | Pass   | -2.96       | 19.36           | 19.36          | 0.086        | Inf               | 16.40             | 0.04365         | 2                       |
| 2565MHz_RB 1,#RB H              | Pass   | -2.96       | 19.07           | 19.07          | 0.081        | Inf               | 16.11             | 0.04083         | 2                       |
| 2565MHz_RB 25,#RB L             | Pass   | -2.96       | 18.35           | 18.35          | 0.068        | Inf               | 15.39             | 0.03459         | 2                       |
| 2565MHz_RB 25,#RB M             | Pass   | -2.96       | 18.28           | 18.28          | 0.067        | Inf               | 15.32             | 0.03404         | 2                       |
| 2565MHz_RB 25,#RB H             | Pass   | -2.96       | 18.25           | 18.25          | 0.067        | Inf               | 15.29             | 0.03381         | 2                       |
| Band 7_LTE_15MHz_Nss1,64QAM_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 2507.5MHz_RB 75,#RB 0           | Pass   | -2.96       | 18.33           | 18.33          | 0.068        | Inf               | 15.37             | 0.03443         | 2                       |
| 2507.5MHz_RB 1,#RB L            | Pass   | -2.96       | 19.28           | 19.28          | 0.085        | Inf               | 16.32             | 0.04285         | 2                       |
| 2507.5MHz_RB 1,#RB M            | Pass   | -2.96       | 19.39           | 19.39          | 0.087        | Inf               | 16.43             | 0.04395         | 2                       |
| 2507.5MHz_RB 1,#RB H            | Pass   | -2.96       | 18.90           | 18.90          | 0.078        | Inf               | 15.94             | 0.03926         | 2                       |
| 2507.5MHz_RB 36,#RB L           | Pass   | -2.96       | 18.50           | 18.50          | 0.071        | Inf               | 15.54             | 0.03581         | 2                       |
| 2507.5MHz_RB 36,#RB M           | Pass   | -2.96       | 18.24           | 18.24          | 0.067        | Inf               | 15.28             | 0.03373         | 2                       |
| 2507.5MHz_RB 36,#RB H           | Pass   | -2.96       | 18.26           | 18.26          | 0.067        | Inf               | 15.30             | 0.03388         | 2                       |
| 2535MHz_RB 75,#RB 0             | Pass   | -2.96       | 18.36           | 18.36          | 0.069        | Inf               | 15.40             | 0.03467         | 2                       |
| 2535MHz_RB 1,#RB L              | Pass   | -2.96       | 19.33           | 19.33          | 0.086        | Inf               | 16.37             | 0.04335         | 2                       |
| 2535MHz_RB 1,#RB M              | Pass   | -2.96       | 19.31           | 19.31          | 0.085        | Inf               | 16.35             | 0.04315         | 2                       |
| 2535MHz_RB 1,#RB H              | Pass   | -2.96       | 18.97           | 18.97          | 0.079        | Inf               | 16.01             | 0.03990         | 2                       |
| 2535MHz_RB 36,#RB L             | Pass   | -2.96       | 18.51           | 18.51          | 0.071        | Inf               | 15.55             | 0.03589         | 2                       |
| 2535MHz_RB 36,#RB M             | Pass   | -2.96       | 18.30           | 18.30          | 0.068        | Inf               | 15.34             | 0.03420         | 2                       |
| 2535MHz_RB 36,#RB H             | Pass   | -2.96       | 18.32           | 18.32          | 0.068        | Inf               | 15.36             | 0.03436         | 2                       |
| 2562.5MHz_RB 75,#RB 0           | Pass   | -2.96       | 18.34           | 18.34          | 0.068        | Inf               | 15.38             | 0.03451         | 2                       |
| 2562.5MHz_RB 1,#RB L            | Pass   | -2.96       | 19.34           | 19.34          | 0.086        | Inf               | 16.38             | 0.04345         | 2                       |
| 2562.5MHz_RB 1,#RB M            | Pass   | -2.96       | 19.31           | 19.31          | 0.085        | Inf               | 16.35             | 0.04315         | 2                       |
| 2562.5MHz_RB 1,#RB H            | Pass   | -2.96       | 18.81           | 18.81          | 0.076        | Inf               | 15.85             | 0.03846         | 2                       |
| 2562.5MHz_RB 36,#RB L           | Pass   | -2.96       | 18.49           | 18.49          | 0.071        | Inf               | 15.53             | 0.03573         | 2                       |



## Average Power

## Appendix A.3

| Mode                             | Result | DG<br>(dBi) | Port 1<br>(dBm) | Power<br>(dBm) | Power<br>(W) | Power Lim.<br>(W) | EIRP/ERP<br>(dBm) | EIRP/ERP<br>(W) | EIRP/ERP<br>Lim.<br>(W) |
|----------------------------------|--------|-------------|-----------------|----------------|--------------|-------------------|-------------------|-----------------|-------------------------|
| 2562.5MHz_RB 36,#RB M            | Pass   | -2.96       | 18.27           | 18.27          | 0.067        | Inf               | 15.31             | 0.03396         | 2                       |
| 2562.5MHz_RB 36,#RB H            | Pass   | -2.96       | 18.30           | 18.30          | 0.068        | Inf               | 15.34             | 0.03420         | 2                       |
| Band 7_LTE_20MHz_Nss1,64QAM_1TX  | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 2510MHz_RB 100,#RB 0             | Pass   | -2.96       | 18.40           | 18.40          | 0.069        | Inf               | 15.44             | 0.03499         | 2                       |
| 2510MHz_RB 1,#RB L               | Pass   | -2.96       | 19.05           | 19.05          | 0.080        | Inf               | 16.09             | 0.04064         | 2                       |
| 2510MHz_RB 1,#RB M               | Pass   | -2.96       | 19.32           | 19.32          | 0.086        | Inf               | 16.36             | 0.04325         | 2                       |
| 2510MHz_RB 1,#RB H               | Pass   | -2.96       | 18.59           | 18.59          | 0.072        | Inf               | 15.63             | 0.03656         | 2                       |
| 2510MHz_RB 50,#RB L              | Pass   | -2.96       | 18.53           | 18.53          | 0.071        | Inf               | 15.57             | 0.03606         | 2                       |
| 2510MHz_RB 50,#RB M              | Pass   | -2.96       | 18.26           | 18.26          | 0.067        | Inf               | 15.30             | 0.03388         | 2                       |
| 2510MHz_RB 50,#RB H              | Pass   | -2.96       | 18.16           | 18.16          | 0.065        | Inf               | 15.20             | 0.03311         | 2                       |
| 2535MHz_RB 100,#RB 0             | Pass   | -2.96       | 18.34           | 18.34          | 0.068        | Inf               | 15.38             | 0.03451         | 2                       |
| 2535MHz_RB 1,#RB L               | Pass   | -2.96       | 19.18           | 19.18          | 0.083        | Inf               | 16.22             | 0.04188         | 2                       |
| 2535MHz_RB 1,#RB M               | Pass   | -2.96       | 19.42           | 19.42          | 0.087        | Inf               | 16.46             | 0.04426         | 2                       |
| 2535MHz_RB 1,#RB H               | Pass   | -2.96       | 18.64           | 18.64          | 0.073        | Inf               | 15.68             | 0.03698         | 2                       |
| 2535MHz_RB 50,#RB L              | Pass   | -2.96       | 18.41           | 18.41          | 0.069        | Inf               | 15.45             | 0.03508         | 2                       |
| 2535MHz_RB 50,#RB M              | Pass   | -2.96       | 18.27           | 18.27          | 0.067        | Inf               | 15.31             | 0.03396         | 2                       |
| 2535MHz_RB 50,#RB H              | Pass   | -2.96       | 18.20           | 18.20          | 0.066        | Inf               | 15.24             | 0.03342         | 2                       |
| 2560MHz_RB 100,#RB 0             | Pass   | -2.96       | 18.34           | 18.34          | 0.068        | Inf               | 15.38             | 0.03451         | 2                       |
| 2560MHz_RB 1,#RB L               | Pass   | -2.96       | 19.04           | 19.04          | 0.080        | Inf               | 16.08             | 0.04055         | 2                       |
| 2560MHz_RB 1,#RB M               | Pass   | -2.96       | 19.33           | 19.33          | 0.086        | Inf               | 16.37             | 0.04335         | 2                       |
| 2560MHz_RB 1,#RB H               | Pass   | -2.96       | 18.59           | 18.59          | 0.072        | Inf               | 15.63             | 0.03656         | 2                       |
| 2560MHz_RB 50,#RB L              | Pass   | -2.96       | 18.46           | 18.46          | 0.070        | Inf               | 15.50             | 0.03548         | 2                       |
| 2560MHz_RB 50,#RB M              | Pass   | -2.96       | 18.28           | 18.28          | 0.067        | Inf               | 15.32             | 0.03404         | 2                       |
| 2560MHz_RB 50,#RB H              | Pass   | -2.96       | 18.16           | 18.16          | 0.065        | Inf               | 15.20             | 0.03311         | 2                       |
| Band 12_LTE_1.4MHz_Nss1,QPSK_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 699.7MHz_RB 6,#RB 0              | Pass   | 1.96        | 21.02           | 21.02          | 0.126        | Inf               | 20.83             | 0.12106         | 30                      |
| 699.7MHz_RB 1,#RB L              | Pass   | 1.96        | 22.03           | 22.03          | 0.160        | Inf               | 21.84             | 0.15276         | 30                      |
| 699.7MHz_RB 1,#RB M              | Pass   | 1.96        | 21.65           | 21.65          | 0.146        | Inf               | 21.46             | 0.13996         | 30                      |
| 699.7MHz_RB 1,#RB H              | Pass   | 1.96        | 22.15           | 22.15          | 0.164        | Inf               | 21.96             | 0.15704         | 30                      |
| 699.7MHz_RB 3,#RB L              | Pass   | 1.96        | 21.97           | 21.97          | 0.157        | Inf               | 21.78             | 0.15066         | 30                      |
| 699.7MHz_RB 3,#RB M              | Pass   | 1.96        | 21.82           | 21.82          | 0.152        | Inf               | 21.63             | 0.14555         | 30                      |
| 699.7MHz_RB 3,#RB H              | Pass   | 1.96        | 21.97           | 21.97          | 0.157        | Inf               | 21.78             | 0.15066         | 30                      |
| 707.5MHz_RB 6,#RB 0              | Pass   | 1.96        | 21.04           | 21.04          | 0.127        | Inf               | 20.85             | 0.12162         | 30                      |
| 707.5MHz_RB 1,#RB L              | Pass   | 1.96        | 22.25           | 22.25          | 0.168        | Inf               | 22.06             | 0.16069         | 30                      |
| 707.5MHz_RB 1,#RB M              | Pass   | 1.96        | 21.69           | 21.69          | 0.148        | Inf               | 21.50             | 0.14125         | 30                      |
| 707.5MHz_RB 1,#RB H              | Pass   | 1.96        | 22.11           | 22.11          | 0.163        | Inf               | 21.92             | 0.15560         | 30                      |
| 707.5MHz_RB 3,#RB L              | Pass   | 1.96        | 22.00           | 22.00          | 0.158        | Inf               | 21.81             | 0.15171         | 30                      |
| 707.5MHz_RB 3,#RB M              | Pass   | 1.96        | 21.88           | 21.88          | 0.154        | Inf               | 21.69             | 0.14757         | 30                      |
| 707.5MHz_RB 3,#RB H              | Pass   | 1.96        | 22.01           | 22.01          | 0.159        | Inf               | 21.82             | 0.15205         | 30                      |
| 715.3MHz_RB 6,#RB 0              | Pass   | 1.96        | 20.98           | 20.98          | 0.125        | Inf               | 20.79             | 0.11995         | 30                      |
| 715.3MHz_RB 1,#RB L              | Pass   | 1.96        | 22.17           | 22.17          | 0.165        | Inf               | 21.98             | 0.15776         | 30                      |
| 715.3MHz_RB 1,#RB M              | Pass   | 1.96        | 21.57           | 21.57          | 0.144        | Inf               | 21.38             | 0.13740         | 30                      |
| 715.3MHz_RB 1,#RB H              | Pass   | 1.96        | 22.11           | 22.11          | 0.163        | Inf               | 21.92             | 0.15560         | 30                      |
| 715.3MHz_RB 3,#RB L              | Pass   | 1.96        | 21.91           | 21.91          | 0.155        | Inf               | 21.72             | 0.14859         | 30                      |
| 715.3MHz_RB 3,#RB M              | Pass   | 1.96        | 21.82           | 21.82          | 0.152        | Inf               | 21.63             | 0.14555         | 30                      |
| 715.3MHz_RB 3,#RB H              | Pass   | 1.96        | 21.97           | 21.97          | 0.157        | Inf               | 21.78             | 0.15066         | 30                      |
| Band 12_LTE_3MHz_Nss1,QPSK_1TX   | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 700.5MHz_RB 15,#RB 0             | Pass   | 1.96        | 20.92           | 20.92          | 0.124        | Inf               | 20.73             | 0.11830         | 30                      |





## Average Power

## Appendix A.3

| Mode                            | Result | DG<br>(dBi) | Port 1<br>(dBm) | Power<br>(dBm) | Power<br>(W) | Power Lim.<br>(W) | EIRP/ERP<br>(dBm) | EIRP/ERP<br>(W) | EIRP/ERP<br>Lim.<br>(W) |
|---------------------------------|--------|-------------|-----------------|----------------|--------------|-------------------|-------------------|-----------------|-------------------------|
| 700.5MHz_RB 1,#RB L             | Pass   | 1.96        | 22.08           | 22.08          | 0.161        | Inf               | 21.89             | 0.15453         | 30                      |
| 700.5MHz_RB 1,#RB M             | Pass   | 1.96        | 22.18           | 22.18          | 0.165        | Inf               | 21.99             | 0.15812         | 30                      |
| 700.5MHz_RB 1,#RB H             | Pass   | 1.96        | 22.01           | 22.01          | 0.159        | Inf               | 21.82             | 0.15205         | 30                      |
| 700.5MHz_RB 8,#RB L             | Pass   | 1.96        | 21.02           | 21.02          | 0.126        | Inf               | 20.83             | 0.12106         | 30                      |
| 700.5MHz_RB 8,#RB M             | Pass   | 1.96        | 20.93           | 20.93          | 0.124        | Inf               | 20.74             | 0.11858         | 30                      |
| 700.5MHz_RB 8,#RB H             | Pass   | 1.96        | 20.98           | 20.98          | 0.125        | Inf               | 20.79             | 0.11995         | 30                      |
| 707.5MHz_RB 15,#RB 0            | Pass   | 1.96        | 20.91           | 20.91          | 0.123        | Inf               | 20.72             | 0.11803         | 30                      |
| 707.5MHz_RB 1,#RB L             | Pass   | 1.96        | 22.03           | 22.03          | 0.160        | Inf               | 21.84             | 0.15276         | 30                      |
| 707.5MHz_RB 1,#RB M             | Pass   | 1.96        | 22.02           | 22.02          | 0.159        | Inf               | 21.83             | 0.15241         | 30                      |
| 707.5MHz_RB 1,#RB H             | Pass   | 1.96        | 21.98           | 21.98          | 0.158        | Inf               | 21.79             | 0.15101         | 30                      |
| 707.5MHz_RB 8,#RB L             | Pass   | 1.96        | 21.05           | 21.05          | 0.127        | Inf               | 20.86             | 0.12190         | 30                      |
| 707.5MHz_RB 8,#RB M             | Pass   | 1.96        | 21.06           | 21.06          | 0.128        | Inf               | 20.87             | 0.12218         | 30                      |
| 707.5MHz_RB 8,#RB H             | Pass   | 1.96        | 21.09           | 21.09          | 0.129        | Inf               | 20.90             | 0.12303         | 30                      |
| 714.5MHz_RB 15,#RB 0            | Pass   | 1.96        | 21.02           | 21.02          | 0.126        | Inf               | 20.83             | 0.12106         | 30                      |
| 714.5MHz_RB 1,#RB L             | Pass   | 1.96        | 21.93           | 21.93          | 0.156        | Inf               | 21.74             | 0.14928         | 30                      |
| 714.5MHz_RB 1,#RB M             | Pass   | 1.96        | 22.02           | 22.02          | 0.159        | Inf               | 21.83             | 0.15241         | 30                      |
| 714.5MHz_RB 1,#RB H             | Pass   | 1.96        | 22.22           | 22.22          | 0.167        | Inf               | 22.03             | 0.15959         | 30                      |
| 714.5MHz_RB 8,#RB L             | Pass   | 1.96        | 21.02           | 21.02          | 0.126        | Inf               | 20.83             | 0.12106         | 30                      |
| 714.5MHz_RB 8,#RB M             | Pass   | 1.96        | 21.01           | 21.01          | 0.126        | Inf               | 20.82             | 0.12078         | 30                      |
| 714.5MHz_RB 8,#RB H             | Pass   | 1.96        | 21.16           | 21.16          | 0.131        | Inf               | 20.97             | 0.12503         | 30                      |
| Band 12_LTE_5MHz_Nss1,QPSK_1TX  | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 701.5MHz_RB 25,#RB 0            | Pass   | 1.96        | 20.83           | 20.83          | 0.121        | Inf               | 20.64             | 0.11588         | 30                      |
| 701.5MHz_RB 1,#RB L             | Pass   | 1.96        | 21.71           | 21.71          | 0.148        | Inf               | 21.52             | 0.14191         | 30                      |
| 701.5MHz_RB 1,#RB M             | Pass   | 1.96        | 21.76           | 21.76          | 0.150        | Inf               | 21.57             | 0.14355         | 30                      |
| 701.5MHz_RB 1,#RB H             | Pass   | 1.96        | 21.74           | 21.74          | 0.149        | Inf               | 21.55             | 0.14289         | 30                      |
| 701.5MHz_RB 12,#RB L            | Pass   | 1.96        | 20.83           | 20.83          | 0.121        | Inf               | 20.64             | 0.11588         | 30                      |
| 701.5MHz_RB 12,#RB M            | Pass   | 1.96        | 20.83           | 20.83          | 0.121        | Inf               | 20.64             | 0.11588         | 30                      |
| 701.5MHz_RB 12,#RB H            | Pass   | 1.96        | 20.81           | 20.81          | 0.121        | Inf               | 20.62             | 0.11535         | 30                      |
| 707.5MHz_RB 25,#RB 0            | Pass   | 1.96        | 20.92           | 20.92          | 0.124        | Inf               | 20.73             | 0.11830         | 30                      |
| 707.5MHz_RB 1,#RB L             | Pass   | 1.96        | 21.70           | 21.70          | 0.148        | Inf               | 21.51             | 0.14158         | 30                      |
| 707.5MHz_RB 1,#RB M             | Pass   | 1.96        | 21.84           | 21.84          | 0.153        | Inf               | 21.65             | 0.14622         | 30                      |
| 707.5MHz_RB 1,#RB H             | Pass   | 1.96        | 21.76           | 21.76          | 0.150        | Inf               | 21.57             | 0.14355         | 30                      |
| 707.5MHz_RB 12,#RB L            | Pass   | 1.96        | 20.84           | 20.84          | 0.121        | Inf               | 20.65             | 0.11614         | 30                      |
| 707.5MHz_RB 12,#RB M            | Pass   | 1.96        | 20.92           | 20.92          | 0.124        | Inf               | 20.73             | 0.11830         | 30                      |
| 707.5MHz_RB 12,#RB H            | Pass   | 1.96        | 20.87           | 20.87          | 0.122        | Inf               | 20.68             | 0.11695         | 30                      |
| 713.5MHz_RB 25,#RB 0            | Pass   | 1.96        | 20.88           | 20.88          | 0.122        | Inf               | 20.69             | 0.11722         | 30                      |
| 713.5MHz_RB 1,#RB L             | Pass   | 1.96        | 21.84           | 21.84          | 0.153        | Inf               | 21.65             | 0.14622         | 30                      |
| 713.5MHz_RB 1,#RB M             | Pass   | 1.96        | 21.76           | 21.76          | 0.150        | Inf               | 21.57             | 0.14355         | 30                      |
| 713.5MHz_RB 1,#RB H             | Pass   | 1.96        | 21.72           | 21.72          | 0.149        | Inf               | 21.53             | 0.14223         | 30                      |
| 713.5MHz_RB 12,#RB L            | Pass   | 1.96        | 20.94           | 20.94          | 0.124        | Inf               | 20.75             | 0.11885         | 30                      |
| 713.5MHz_RB 12,#RB M            | Pass   | 1.96        | 20.82           | 20.82          | 0.121        | Inf               | 20.63             | 0.11561         | 30                      |
| 713.5MHz_RB 12,#RB H            | Pass   | 1.96        | 20.90           | 20.90          | 0.123        | Inf               | 20.71             | 0.11776         | 30                      |
| Band 12_LTE_10MHz_Nss1,QPSK_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 704MHz_RB 50,#RB 0              | Pass   | 1.96        | 20.94           | 20.94          | 0.124        | Inf               | 20.75             | 0.11885         | 30                      |
| 704MHz_RB 1,#RB L               | Pass   | 1.96        | 22.02           | 22.02          | 0.159        | Inf               | 21.83             | 0.15241         | 30                      |
| 704MHz_RB 1,#RB M               | Pass   | 1.96        | 21.93           | 21.93          | 0.156        | Inf               | 21.74             | 0.14928         | 30                      |
| 704MHz_RB 1,#RB H               | Pass   | 1.96        | 21.90           | 21.90          | 0.155        | Inf               | 21.71             | 0.14825         | 30                      |
| 704MHz_RB 25,#RB L              | Pass   | 1.96        | 20.88           | 20.88          | 0.122        | Inf               | 20.69             | 0.11722         | 30                      |



## Average Power

## Appendix A.3

| Mode                              | Result | DG<br>(dBi) | Port 1<br>(dBm) | Power<br>(dBm) | Power<br>(W) | Power Lim.<br>(W) | EIRP/ERP<br>(dBm) | EIRP/ERP<br>(W) | EIRP/ERP<br>Lim.<br>(W) |
|-----------------------------------|--------|-------------|-----------------|----------------|--------------|-------------------|-------------------|-----------------|-------------------------|
| 704MHz_RB 25,#RB M                | Pass   | 1.96        | 20.91           | 20.91          | 0.123        | Inf               | 20.72             | 0.11803         | 30                      |
| 704MHz_RB 25,#RB H                | Pass   | 1.96        | 20.88           | 20.88          | 0.122        | Inf               | 20.69             | 0.11722         | 30                      |
| 707.5MHz_RB 50,#RB 0              | Pass   | 1.96        | 20.97           | 20.97          | 0.125        | Inf               | 20.78             | 0.11967         | 30                      |
| 707.5MHz_RB 1,#RB L               | Pass   | 1.96        | 21.95           | 21.95          | 0.157        | Inf               | 21.76             | 0.14997         | 30                      |
| 707.5MHz_RB 1,#RB M               | Pass   | 1.96        | 21.93           | 21.93          | 0.156        | Inf               | 21.74             | 0.14928         | 30                      |
| 707.5MHz_RB 1,#RB H               | Pass   | 1.96        | 21.74           | 21.74          | 0.149        | Inf               | 21.55             | 0.14289         | 30                      |
| 707.5MHz_RB 25,#RB L              | Pass   | 1.96        | 20.92           | 20.92          | 0.124        | Inf               | 20.73             | 0.11830         | 30                      |
| 707.5MHz_RB 25,#RB M              | Pass   | 1.96        | 20.97           | 20.97          | 0.125        | Inf               | 20.78             | 0.11967         | 30                      |
| 707.5MHz_RB 25,#RB H              | Pass   | 1.96        | 20.93           | 20.93          | 0.124        | Inf               | 20.74             | 0.11858         | 30                      |
| 711MHz_RB 50,#RB 0                | Pass   | 1.96        | 20.95           | 20.95          | 0.124        | Inf               | 20.76             | 0.11912         | 30                      |
| 711MHz_RB 1,#RB L                 | Pass   | 1.96        | 21.84           | 21.84          | 0.153        | Inf               | 21.65             | 0.14622         | 30                      |
| 711MHz_RB 1,#RB M                 | Pass   | 1.96        | 21.93           | 21.93          | 0.156        | Inf               | 21.74             | 0.14928         | 30                      |
| 711MHz_RB 1,#RB H                 | Pass   | 1.96        | 21.90           | 21.90          | 0.155        | Inf               | 21.71             | 0.14825         | 30                      |
| 711MHz_RB 25,#RB L                | Pass   | 1.96        | 21.00           | 21.00          | 0.126        | Inf               | 20.81             | 0.12050         | 30                      |
| 711MHz_RB 25,#RB M                | Pass   | 1.96        | 20.92           | 20.92          | 0.124        | Inf               | 20.73             | 0.11830         | 30                      |
| 711MHz_RB 25,#RB H                | Pass   | 1.96        | 20.92           | 20.92          | 0.124        | Inf               | 20.73             | 0.11830         | 30                      |
| Band 12_LTE_1.4MHz_Nss1,16QAM_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 699.7MHz_RB 6,#RB 0               | Pass   | 1.96        | 20.06           | 20.06          | 0.101        | Inf               | 19.87             | 0.09705         | 30                      |
| 699.7MHz_RB 1,#RB L               | Pass   | 1.96        | 21.41           | 21.41          | 0.138        | Inf               | 21.22             | 0.13243         | 30                      |
| 699.7MHz_RB 1,#RB M               | Pass   | 1.96        | 20.93           | 20.93          | 0.124        | Inf               | 20.74             | 0.11858         | 30                      |
| 699.7MHz_RB 1,#RB H               | Pass   | 1.96        | 21.40           | 21.40          | 0.138        | Inf               | 21.21             | 0.13213         | 30                      |
| 699.7MHz_RB 3,#RB L               | Pass   | 1.96        | 21.04           | 21.04          | 0.127        | Inf               | 20.85             | 0.12162         | 30                      |
| 699.7MHz_RB 3,#RB M               | Pass   | 1.96        | 20.81           | 20.81          | 0.121        | Inf               | 20.62             | 0.11535         | 30                      |
| 699.7MHz_RB 3,#RB H               | Pass   | 1.96        | 21.04           | 21.04          | 0.127        | Inf               | 20.85             | 0.12162         | 30                      |
| 707.5MHz_RB 6,#RB 0               | Pass   | 1.96        | 20.04           | 20.04          | 0.101        | Inf               | 19.85             | 0.09661         | 30                      |
| 707.5MHz_RB 1,#RB L               | Pass   | 1.96        | 21.34           | 21.34          | 0.136        | Inf               | 21.15             | 0.13032         | 30                      |
| 707.5MHz_RB 1,#RB M               | Pass   | 1.96        | 20.97           | 20.97          | 0.125        | Inf               | 20.78             | 0.11967         | 30                      |
| 707.5MHz_RB 1,#RB H               | Pass   | 1.96        | 21.40           | 21.40          | 0.138        | Inf               | 21.21             | 0.13213         | 30                      |
| 707.5MHz_RB 3,#RB L               | Pass   | 1.96        | 21.02           | 21.02          | 0.126        | Inf               | 20.83             | 0.12106         | 30                      |
| 707.5MHz_RB 3,#RB M               | Pass   | 1.96        | 20.89           | 20.89          | 0.123        | Inf               | 20.70             | 0.11749         | 30                      |
| 707.5MHz_RB 3,#RB H               | Pass   | 1.96        | 21.09           | 21.09          | 0.129        | Inf               | 20.90             | 0.12303         | 30                      |
| 715.3MHz_RB 6,#RB 0               | Pass   | 1.96        | 20.06           | 20.06          | 0.101        | Inf               | 19.87             | 0.09705         | 30                      |
| 715.3MHz_RB 1,#RB L               | Pass   | 1.96        | 21.32           | 21.32          | 0.136        | Inf               | 21.13             | 0.12972         | 30                      |
| 715.3MHz_RB 1,#RB M               | Pass   | 1.96        | 20.92           | 20.92          | 0.124        | Inf               | 20.73             | 0.11830         | 30                      |
| 715.3MHz_RB 1,#RB H               | Pass   | 1.96        | 21.40           | 21.40          | 0.138        | Inf               | 21.21             | 0.13213         | 30                      |
| 715.3MHz_RB 3,#RB L               | Pass   | 1.96        | 21.10           | 21.10          | 0.129        | Inf               | 20.91             | 0.12331         | 30                      |
| 715.3MHz_RB 3,#RB M               | Pass   | 1.96        | 20.93           | 20.93          | 0.124        | Inf               | 20.74             | 0.11858         | 30                      |
| 715.3MHz_RB 3,#RB H               | Pass   | 1.96        | 20.98           | 20.98          | 0.125        | Inf               | 20.79             | 0.11995         | 30                      |
| Band 12_LTE_3MHz_Nss1,16QAM_1TX   | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 700.5MHz_RB 15,#RB 0              | Pass   | 1.96        | 20.04           | 20.04          | 0.101        | Inf               | 19.85             | 0.09661         | 30                      |
| 700.5MHz_RB 1,#RB L               | Pass   | 1.96        | 21.26           | 21.26          | 0.134        | Inf               | 21.07             | 0.12794         | 30                      |
| 700.5MHz_RB 1,#RB M               | Pass   | 1.96        | 21.47           | 21.47          | 0.140        | Inf               | 21.28             | 0.13428         | 30                      |
| 700.5MHz_RB 1,#RB H               | Pass   | 1.96        | 21.18           | 21.18          | 0.131        | Inf               | 20.99             | 0.12560         | 30                      |
| 700.5MHz_RB 8,#RB L               | Pass   | 1.96        | 20.03           | 20.03          | 0.101        | Inf               | 19.84             | 0.09638         | 30                      |
| 700.5MHz_RB 8,#RB M               | Pass   | 1.96        | 20.01           | 20.01          | 0.100        | Inf               | 19.82             | 0.09594         | 30                      |
| 700.5MHz_RB 8,#RB H               | Pass   | 1.96        | 20.06           | 20.06          | 0.101        | Inf               | 19.87             | 0.09705         | 30                      |
| 707.5MHz_RB 15,#RB 0              | Pass   | 1.96        | 20.03           | 20.03          | 0.101        | Inf               | 19.84             | 0.09638         | 30                      |
| 707.5MHz_RB 1,#RB L               | Pass   | 1.96        | 21.08           | 21.08          | 0.128        | Inf               | 20.89             | 0.12274         | 30                      |



## Average Power

## Appendix A.3

| Mode                             | Result | DG<br>(dBi) | Port 1<br>(dBm) | Power<br>(dBm) | Power<br>(W) | Power Lim.<br>(W) | EIRP/ERP<br>(dBm) | EIRP/ERP<br>(W) | EIRP/ERP<br>Lim.<br>(W) |
|----------------------------------|--------|-------------|-----------------|----------------|--------------|-------------------|-------------------|-----------------|-------------------------|
| 707.5MHz_RB 1,#RB M              | Pass   | 1.96        | 21.39           | 21.39          | 0.138        | Inf               | 21.20             | 0.13183         | 30                      |
| 707.5MHz_RB 1,#RB H              | Pass   | 1.96        | 21.02           | 21.02          | 0.126        | Inf               | 20.83             | 0.12106         | 30                      |
| 707.5MHz_RB 8,#RB L              | Pass   | 1.96        | 20.08           | 20.08          | 0.102        | Inf               | 19.89             | 0.09750         | 30                      |
| 707.5MHz_RB 8,#RB M              | Pass   | 1.96        | 19.96           | 19.96          | 0.099        | Inf               | 19.77             | 0.09484         | 30                      |
| 707.5MHz_RB 8,#RB H              | Pass   | 1.96        | 20.07           | 20.07          | 0.102        | Inf               | 19.88             | 0.09727         | 30                      |
| 714.5MHz_RB 15,#RB 0             | Pass   | 1.96        | 20.10           | 20.10          | 0.102        | Inf               | 19.91             | 0.09795         | 30                      |
| 714.5MHz_RB 1,#RB L              | Pass   | 1.96        | 21.31           | 21.31          | 0.135        | Inf               | 21.12             | 0.12942         | 30                      |
| 714.5MHz_RB 1,#RB M              | Pass   | 1.96        | 21.25           | 21.25          | 0.133        | Inf               | 21.06             | 0.12764         | 30                      |
| 714.5MHz_RB 1,#RB H              | Pass   | 1.96        | 21.36           | 21.36          | 0.137        | Inf               | 21.17             | 0.13092         | 30                      |
| 714.5MHz_RB 8,#RB L              | Pass   | 1.96        | 20.13           | 20.13          | 0.103        | Inf               | 19.94             | 0.09863         | 30                      |
| 714.5MHz_RB 8,#RB M              | Pass   | 1.96        | 20.08           | 20.08          | 0.102        | Inf               | 19.89             | 0.09750         | 30                      |
| 714.5MHz_RB 8,#RB H              | Pass   | 1.96        | 20.16           | 20.16          | 0.104        | Inf               | 19.97             | 0.09931         | 30                      |
| Band 12_LTE_5MHz_Nss1,16QAM_1TX  | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 701.5MHz_RB 25,#RB 0             | Pass   | 1.96        | 19.87           | 19.87          | 0.097        | Inf               | 19.68             | 0.09290         | 30                      |
| 701.5MHz_RB 1,#RB L              | Pass   | 1.96        | 21.09           | 21.09          | 0.129        | Inf               | 20.90             | 0.12303         | 30                      |
| 701.5MHz_RB 1,#RB M              | Pass   | 1.96        | 21.01           | 21.01          | 0.126        | Inf               | 20.82             | 0.12078         | 30                      |
| 701.5MHz_RB 1,#RB H              | Pass   | 1.96        | 20.89           | 20.89          | 0.123        | Inf               | 20.70             | 0.11749         | 30                      |
| 701.5MHz_RB 12,#RB L             | Pass   | 1.96        | 19.94           | 19.94          | 0.099        | Inf               | 19.75             | 0.09441         | 30                      |
| 701.5MHz_RB 12,#RB M             | Pass   | 1.96        | 19.84           | 19.84          | 0.096        | Inf               | 19.65             | 0.09226         | 30                      |
| 701.5MHz_RB 12,#RB H             | Pass   | 1.96        | 19.85           | 19.85          | 0.097        | Inf               | 19.66             | 0.09247         | 30                      |
| 707.5MHz_RB 25,#RB 0             | Pass   | 1.96        | 19.90           | 19.90          | 0.098        | Inf               | 19.71             | 0.09354         | 30                      |
| 707.5MHz_RB 1,#RB L              | Pass   | 1.96        | 20.85           | 20.85          | 0.122        | Inf               | 20.66             | 0.11641         | 30                      |
| 707.5MHz_RB 1,#RB M              | Pass   | 1.96        | 21.07           | 21.07          | 0.128        | Inf               | 20.88             | 0.12246         | 30                      |
| 707.5MHz_RB 1,#RB H              | Pass   | 1.96        | 20.94           | 20.94          | 0.124        | Inf               | 20.75             | 0.11885         | 30                      |
| 707.5MHz_RB 12,#RB L             | Pass   | 1.96        | 19.81           | 19.81          | 0.096        | Inf               | 19.62             | 0.09162         | 30                      |
| 707.5MHz_RB 12,#RB M             | Pass   | 1.96        | 19.87           | 19.87          | 0.097        | Inf               | 19.68             | 0.09290         | 30                      |
| 707.5MHz_RB 12,#RB H             | Pass   | 1.96        | 19.91           | 19.91          | 0.098        | Inf               | 19.72             | 0.09376         | 30                      |
| 713.5MHz_RB 25,#RB 0             | Pass   | 1.96        | 19.88           | 19.88          | 0.097        | Inf               | 19.69             | 0.09311         | 30                      |
| 713.5MHz_RB 1,#RB L              | Pass   | 1.96        | 21.08           | 21.08          | 0.128        | Inf               | 20.89             | 0.12274         | 30                      |
| 713.5MHz_RB 1,#RB M              | Pass   | 1.96        | 21.04           | 21.04          | 0.127        | Inf               | 20.85             | 0.12162         | 30                      |
| 713.5MHz_RB 1,#RB H              | Pass   | 1.96        | 20.92           | 20.92          | 0.124        | Inf               | 20.73             | 0.11830         | 30                      |
| 713.5MHz_RB 12,#RB L             | Pass   | 1.96        | 19.96           | 19.96          | 0.099        | Inf               | 19.77             | 0.09484         | 30                      |
| 713.5MHz_RB 12,#RB M             | Pass   | 1.96        | 19.85           | 19.85          | 0.097        | Inf               | 19.66             | 0.09247         | 30                      |
| 713.5MHz_RB 12,#RB H             | Pass   | 1.96        | 19.88           | 19.88          | 0.097        | Inf               | 19.69             | 0.09311         | 30                      |
| Band 12_LTE_10MHz_Nss1,16QAM_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 704MHz_RB 50,#RB 0               | Pass   | 1.96        | 19.96           | 19.96          | 0.099        | Inf               | 19.77             | 0.09484         | 30                      |
| 704MHz_RB 1,#RB L                | Pass   | 1.96        | 21.19           | 21.19          | 0.132        | Inf               | 21.00             | 0.12589         | 30                      |
| 704MHz_RB 1,#RB M                | Pass   | 1.96        | 21.20           | 21.20          | 0.132        | Inf               | 21.01             | 0.12618         | 30                      |
| 704MHz_RB 1,#RB H                | Pass   | 1.96        | 21.19           | 21.19          | 0.132        | Inf               | 21.00             | 0.12589         | 30                      |
| 704MHz_RB 25,#RB L               | Pass   | 1.96        | 19.94           | 19.94          | 0.099        | Inf               | 19.75             | 0.09441         | 30                      |
| 704MHz_RB 25,#RB M               | Pass   | 1.96        | 19.87           | 19.87          | 0.097        | Inf               | 19.68             | 0.09290         | 30                      |
| 704MHz_RB 25,#RB H               | Pass   | 1.96        | 19.93           | 19.93          | 0.098        | Inf               | 19.74             | 0.09419         | 30                      |
| 707.5MHz_RB 50,#RB 0             | Pass   | 1.96        | 19.96           | 19.96          | 0.099        | Inf               | 19.77             | 0.09484         | 30                      |
| 707.5MHz_RB 1,#RB L              | Pass   | 1.96        | 21.21           | 21.21          | 0.132        | Inf               | 21.02             | 0.12647         | 30                      |
| 707.5MHz_RB 1,#RB M              | Pass   | 1.96        | 21.24           | 21.24          | 0.133        | Inf               | 21.05             | 0.12735         | 30                      |
| 707.5MHz_RB 1,#RB H              | Pass   | 1.96        | 21.25           | 21.25          | 0.133        | Inf               | 21.06             | 0.12764         | 30                      |
| 707.5MHz_RB 25,#RB L             | Pass   | 1.96        | 19.89           | 19.89          | 0.097        | Inf               | 19.70             | 0.09333         | 30                      |
| 707.5MHz_RB 25,#RB M             | Pass   | 1.96        | 19.93           | 19.93          | 0.098        | Inf               | 19.74             | 0.09419         | 30                      |



## Average Power

## Appendix A.3

| Mode                              | Result | DG<br>(dB) | Port 1<br>(dBm) | Power<br>(dBm) | Power<br>(W) | Power Lim.<br>(W) | EIRP/ERP<br>(dBm) | EIRP/ERP<br>(W) | EIRP/ERP<br>Lim.<br>(W) |
|-----------------------------------|--------|------------|-----------------|----------------|--------------|-------------------|-------------------|-----------------|-------------------------|
| 707.5MHz_RB 25,#RB H              | Pass   | 1.96       | 19.95           | 19.95          | 0.099        | Inf               | 19.76             | 0.09462         | 30                      |
| 711MHz_RB 50,#RB 0                | Pass   | 1.96       | 20.00           | 20.00          | 0.100        | Inf               | 19.81             | 0.09572         | 30                      |
| 711MHz_RB 1,#RB L                 | Pass   | 1.96       | 21.07           | 21.07          | 0.128        | Inf               | 20.88             | 0.12246         | 30                      |
| 711MHz_RB 1,#RB M                 | Pass   | 1.96       | 21.14           | 21.14          | 0.130        | Inf               | 20.95             | 0.12445         | 30                      |
| 711MHz_RB 1,#RB H                 | Pass   | 1.96       | 21.11           | 21.11          | 0.129        | Inf               | 20.92             | 0.12359         | 30                      |
| 711MHz_RB 25,#RB L                | Pass   | 1.96       | 20.04           | 20.04          | 0.101        | Inf               | 19.85             | 0.09661         | 30                      |
| 711MHz_RB 25,#RB M                | Pass   | 1.96       | 19.98           | 19.98          | 0.100        | Inf               | 19.79             | 0.09528         | 30                      |
| 711MHz_RB 25,#RB H                | Pass   | 1.96       | 19.96           | 19.96          | 0.099        | Inf               | 19.77             | 0.09484         | 30                      |
| Band 12_LTE_1.4MHz_Nss1,64QAM_1TX | -      | -          | -               | -              | -            | -                 | -                 | -               | -                       |
| 699.7MHz_RB 6,#RB 0               | Pass   | 1.96       | 19.98           | 19.98          | 0.100        | Inf               | 19.79             | 0.09528         | 30                      |
| 699.7MHz_RB 1,#RB L               | Pass   | 1.96       | 21.18           | 21.18          | 0.131        | Inf               | 20.99             | 0.12560         | 30                      |
| 699.7MHz_RB 1,#RB M               | Pass   | 1.96       | 20.74           | 20.74          | 0.119        | Inf               | 20.55             | 0.11350         | 30                      |
| 699.7MHz_RB 1,#RB H               | Pass   | 1.96       | 21.28           | 21.28          | 0.134        | Inf               | 21.09             | 0.12853         | 30                      |
| 699.7MHz_RB 3,#RB L               | Pass   | 1.96       | 21.04           | 21.04          | 0.127        | Inf               | 20.85             | 0.12162         | 30                      |
| 699.7MHz_RB 3,#RB M               | Pass   | 1.96       | 20.83           | 20.83          | 0.121        | Inf               | 20.64             | 0.11588         | 30                      |
| 699.7MHz_RB 3,#RB H               | Pass   | 1.96       | 20.92           | 20.92          | 0.124        | Inf               | 20.73             | 0.11830         | 30                      |
| 707.5MHz_RB 6,#RB 0               | Pass   | 1.96       | 19.97           | 19.97          | 0.099        | Inf               | 19.78             | 0.09506         | 30                      |
| 707.5MHz_RB 1,#RB L               | Pass   | 1.96       | 21.30           | 21.30          | 0.135        | Inf               | 21.11             | 0.12912         | 30                      |
| 707.5MHz_RB 1,#RB M               | Pass   | 1.96       | 20.88           | 20.88          | 0.122        | Inf               | 20.69             | 0.11722         | 30                      |
| 707.5MHz_RB 1,#RB H               | Pass   | 1.96       | 21.20           | 21.20          | 0.132        | Inf               | 21.01             | 0.12618         | 30                      |
| 707.5MHz_RB 3,#RB L               | Pass   | 1.96       | 21.08           | 21.08          | 0.128        | Inf               | 20.89             | 0.12274         | 30                      |
| 707.5MHz_RB 3,#RB M               | Pass   | 1.96       | 20.81           | 20.81          | 0.121        | Inf               | 20.62             | 0.11535         | 30                      |
| 707.5MHz_RB 3,#RB H               | Pass   | 1.96       | 20.94           | 20.94          | 0.124        | Inf               | 20.75             | 0.11885         | 30                      |
| 715.3MHz_RB 6,#RB 0               | Pass   | 1.96       | 19.92           | 19.92          | 0.098        | Inf               | 19.73             | 0.09397         | 30                      |
| 715.3MHz_RB 1,#RB L               | Pass   | 1.96       | 21.22           | 21.22          | 0.132        | Inf               | 21.03             | 0.12677         | 30                      |
| 715.3MHz_RB 1,#RB M               | Pass   | 1.96       | 20.93           | 20.93          | 0.124        | Inf               | 20.74             | 0.11858         | 30                      |
| 715.3MHz_RB 1,#RB H               | Pass   | 1.96       | 21.15           | 21.15          | 0.130        | Inf               | 20.96             | 0.12474         | 30                      |
| 715.3MHz_RB 3,#RB L               | Pass   | 1.96       | 21.02           | 21.02          | 0.126        | Inf               | 20.83             | 0.12106         | 30                      |
| 715.3MHz_RB 3,#RB M               | Pass   | 1.96       | 20.73           | 20.73          | 0.118        | Inf               | 20.54             | 0.11324         | 30                      |
| 715.3MHz_RB 3,#RB H               | Pass   | 1.96       | 21.07           | 21.07          | 0.128        | Inf               | 20.88             | 0.12246         | 30                      |
| Band 12_LTE_3MHz_Nss1,64QAM_1TX   | -      | -          | -               | -              | -            | -                 | -                 | -               | -                       |
| 700.5MHz_RB 15,#RB 0              | Pass   | 1.96       | 19.99           | 19.99          | 0.100        | Inf               | 19.80             | 0.09550         | 30                      |
| 700.5MHz_RB 1,#RB L               | Pass   | 1.96       | 21.02           | 21.02          | 0.126        | Inf               | 20.83             | 0.12106         | 30                      |
| 700.5MHz_RB 1,#RB M               | Pass   | 1.96       | 21.31           | 21.31          | 0.135        | Inf               | 21.12             | 0.12942         | 30                      |
| 700.5MHz_RB 1,#RB H               | Pass   | 1.96       | 20.94           | 20.94          | 0.124        | Inf               | 20.75             | 0.11885         | 30                      |
| 700.5MHz_RB 8,#RB L               | Pass   | 1.96       | 20.07           | 20.07          | 0.102        | Inf               | 19.88             | 0.09727         | 30                      |
| 700.5MHz_RB 8,#RB M               | Pass   | 1.96       | 20.00           | 20.00          | 0.100        | Inf               | 19.81             | 0.09572         | 30                      |
| 700.5MHz_RB 8,#RB H               | Pass   | 1.96       | 19.96           | 19.96          | 0.099        | Inf               | 19.77             | 0.09484         | 30                      |
| 707.5MHz_RB 15,#RB 0              | Pass   | 1.96       | 19.96           | 19.96          | 0.099        | Inf               | 19.77             | 0.09484         | 30                      |
| 707.5MHz_RB 1,#RB L               | Pass   | 1.96       | 21.14           | 21.14          | 0.130        | Inf               | 20.95             | 0.12445         | 30                      |
| 707.5MHz_RB 1,#RB M               | Pass   | 1.96       | 21.48           | 21.48          | 0.141        | Inf               | 21.29             | 0.13459         | 30                      |
| 707.5MHz_RB 1,#RB H               | Pass   | 1.96       | 21.22           | 21.22          | 0.132        | Inf               | 21.03             | 0.12677         | 30                      |
| 707.5MHz_RB 8,#RB L               | Pass   | 1.96       | 20.10           | 20.10          | 0.102        | Inf               | 19.91             | 0.09795         | 30                      |
| 707.5MHz_RB 8,#RB M               | Pass   | 1.96       | 20.09           | 20.09          | 0.102        | Inf               | 19.90             | 0.09772         | 30                      |
| 707.5MHz_RB 8,#RB H               | Pass   | 1.96       | 20.04           | 20.04          | 0.101        | Inf               | 19.85             | 0.09661         | 30                      |
| 714.5MHz_RB 15,#RB 0              | Pass   | 1.96       | 20.06           | 20.06          | 0.101        | Inf               | 19.87             | 0.09705         | 30                      |
| 714.5MHz_RB 1,#RB L               | Pass   | 1.96       | 21.09           | 21.09          | 0.129        | Inf               | 20.90             | 0.12303         | 30                      |
| 714.5MHz_RB 1,#RB M               | Pass   | 1.96       | 21.10           | 21.10          | 0.129        | Inf               | 20.91             | 0.12331         | 30                      |



## Average Power

## Appendix A.3

| Mode                             | Result | DG<br>(dBi) | Port 1<br>(dBm) | Power<br>(dBm) | Power<br>(W) | Power Lim.<br>(W) | EIRP/ERP<br>(dBm) | EIRP/ERP<br>(W) | EIRP/ERP<br>Lim.<br>(W) |
|----------------------------------|--------|-------------|-----------------|----------------|--------------|-------------------|-------------------|-----------------|-------------------------|
| 714.5MHz_RB 1,#RB H              | Pass   | 1.96        | 21.25           | 21.25          | 0.133        | Inf               | 21.06             | 0.12764         | 30                      |
| 714.5MHz_RB 8,#RB L              | Pass   | 1.96        | 19.99           | 19.99          | 0.100        | Inf               | 19.80             | 0.09550         | 30                      |
| 714.5MHz_RB 8,#RB M              | Pass   | 1.96        | 20.13           | 20.13          | 0.103        | Inf               | 19.94             | 0.09863         | 30                      |
| 714.5MHz_RB 8,#RB H              | Pass   | 1.96        | 19.99           | 19.99          | 0.100        | Inf               | 19.80             | 0.09550         | 30                      |
| Band 12_LTE_5MHz_Nss1,64QAM_1TX  | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 701.5MHz_RB 25,#RB 0             | Pass   | 1.96        | 19.83           | 19.83          | 0.096        | Inf               | 19.64             | 0.09204         | 30                      |
| 701.5MHz_RB 1,#RB L              | Pass   | 1.96        | 20.90           | 20.90          | 0.123        | Inf               | 20.71             | 0.11776         | 30                      |
| 701.5MHz_RB 1,#RB M              | Pass   | 1.96        | 20.82           | 20.82          | 0.121        | Inf               | 20.63             | 0.11561         | 30                      |
| 701.5MHz_RB 1,#RB H              | Pass   | 1.96        | 20.73           | 20.73          | 0.118        | Inf               | 20.54             | 0.11324         | 30                      |
| 701.5MHz_RB 12,#RB L             | Pass   | 1.96        | 19.82           | 19.82          | 0.096        | Inf               | 19.63             | 0.09183         | 30                      |
| 701.5MHz_RB 12,#RB M             | Pass   | 1.96        | 19.82           | 19.82          | 0.096        | Inf               | 19.63             | 0.09183         | 30                      |
| 701.5MHz_RB 12,#RB H             | Pass   | 1.96        | 19.82           | 19.82          | 0.096        | Inf               | 19.63             | 0.09183         | 30                      |
| 707.5MHz_RB 25,#RB 0             | Pass   | 1.96        | 19.90           | 19.90          | 0.098        | Inf               | 19.71             | 0.09354         | 30                      |
| 707.5MHz_RB 1,#RB L              | Pass   | 1.96        | 20.85           | 20.85          | 0.122        | Inf               | 20.66             | 0.11641         | 30                      |
| 707.5MHz_RB 1,#RB M              | Pass   | 1.96        | 21.04           | 21.04          | 0.127        | Inf               | 20.85             | 0.12162         | 30                      |
| 707.5MHz_RB 1,#RB H              | Pass   | 1.96        | 20.74           | 20.74          | 0.119        | Inf               | 20.55             | 0.11350         | 30                      |
| 707.5MHz_RB 12,#RB L             | Pass   | 1.96        | 19.81           | 19.81          | 0.096        | Inf               | 19.62             | 0.09162         | 30                      |
| 707.5MHz_RB 12,#RB M             | Pass   | 1.96        | 19.88           | 19.88          | 0.097        | Inf               | 19.69             | 0.09311         | 30                      |
| 707.5MHz_RB 12,#RB H             | Pass   | 1.96        | 19.91           | 19.91          | 0.098        | Inf               | 19.72             | 0.09376         | 30                      |
| 713.5MHz_RB 25,#RB 0             | Pass   | 1.96        | 19.84           | 19.84          | 0.096        | Inf               | 19.65             | 0.09226         | 30                      |
| 713.5MHz_RB 1,#RB L              | Pass   | 1.96        | 20.88           | 20.88          | 0.122        | Inf               | 20.69             | 0.11722         | 30                      |
| 713.5MHz_RB 1,#RB M              | Pass   | 1.96        | 20.95           | 20.95          | 0.124        | Inf               | 20.76             | 0.11912         | 30                      |
| 713.5MHz_RB 1,#RB H              | Pass   | 1.96        | 20.81           | 20.81          | 0.121        | Inf               | 20.62             | 0.11535         | 30                      |
| 713.5MHz_RB 12,#RB L             | Pass   | 1.96        | 19.86           | 19.86          | 0.097        | Inf               | 19.67             | 0.09268         | 30                      |
| 713.5MHz_RB 12,#RB M             | Pass   | 1.96        | 19.84           | 19.84          | 0.096        | Inf               | 19.65             | 0.09226         | 30                      |
| 713.5MHz_RB 12,#RB H             | Pass   | 1.96        | 19.91           | 19.91          | 0.098        | Inf               | 19.72             | 0.09376         | 30                      |
| Band 12_LTE_10MHz_Nss1,64QAM_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 704MHz_RB 50,#RB 0               | Pass   | 1.96        | 19.90           | 19.90          | 0.098        | Inf               | 19.71             | 0.09354         | 30                      |
| 704MHz_RB 1,#RB L                | Pass   | 1.96        | 21.13           | 21.13          | 0.130        | Inf               | 20.94             | 0.12417         | 30                      |
| 704MHz_RB 1,#RB M                | Pass   | 1.96        | 20.98           | 20.98          | 0.125        | Inf               | 20.79             | 0.11995         | 30                      |
| 704MHz_RB 1,#RB H                | Pass   | 1.96        | 21.08           | 21.08          | 0.128        | Inf               | 20.89             | 0.12274         | 30                      |
| 704MHz_RB 25,#RB L               | Pass   | 1.96        | 19.87           | 19.87          | 0.097        | Inf               | 19.68             | 0.09290         | 30                      |
| 704MHz_RB 25,#RB M               | Pass   | 1.96        | 19.85           | 19.85          | 0.097        | Inf               | 19.66             | 0.09247         | 30                      |
| 704MHz_RB 25,#RB H               | Pass   | 1.96        | 19.85           | 19.85          | 0.097        | Inf               | 19.66             | 0.09247         | 30                      |
| 707.5MHz_RB 50,#RB 0             | Pass   | 1.96        | 19.98           | 19.98          | 0.100        | Inf               | 19.79             | 0.09528         | 30                      |
| 707.5MHz_RB 1,#RB L              | Pass   | 1.96        | 20.94           | 20.94          | 0.124        | Inf               | 20.75             | 0.11885         | 30                      |
| 707.5MHz_RB 1,#RB M              | Pass   | 1.96        | 21.16           | 21.16          | 0.131        | Inf               | 20.97             | 0.12503         | 30                      |
| 707.5MHz_RB 1,#RB H              | Pass   | 1.96        | 20.99           | 20.99          | 0.126        | Inf               | 20.80             | 0.12023         | 30                      |
| 707.5MHz_RB 25,#RB L             | Pass   | 1.96        | 19.91           | 19.91          | 0.098        | Inf               | 19.72             | 0.09376         | 30                      |
| 707.5MHz_RB 25,#RB M             | Pass   | 1.96        | 19.90           | 19.90          | 0.098        | Inf               | 19.71             | 0.09354         | 30                      |
| 707.5MHz_RB 25,#RB H             | Pass   | 1.96        | 19.83           | 19.83          | 0.096        | Inf               | 19.64             | 0.09204         | 30                      |
| 711MHz_RB 50,#RB 0               | Pass   | 1.96        | 19.94           | 19.94          | 0.099        | Inf               | 19.75             | 0.09441         | 30                      |
| 711MHz_RB 1,#RB L                | Pass   | 1.96        | 20.87           | 20.87          | 0.122        | Inf               | 20.68             | 0.11695         | 30                      |
| 711MHz_RB 1,#RB M                | Pass   | 1.96        | 20.93           | 20.93          | 0.124        | Inf               | 20.74             | 0.11858         | 30                      |
| 711MHz_RB 1,#RB H                | Pass   | 1.96        | 21.09           | 21.09          | 0.129        | Inf               | 20.90             | 0.12303         | 30                      |
| 711MHz_RB 25,#RB L               | Pass   | 1.96        | 19.96           | 19.96          | 0.099        | Inf               | 19.77             | 0.09484         | 30                      |
| 711MHz_RB 25,#RB M               | Pass   | 1.96        | 19.95           | 19.95          | 0.099        | Inf               | 19.76             | 0.09462         | 30                      |
| 711MHz_RB 25,#RB H               | Pass   | 1.96        | 19.83           | 19.83          | 0.096        | Inf               | 19.64             | 0.09204         | 30                      |



## Average Power

## Appendix A.3

| Mode                            | Result | DG<br>(dBi) | Port 1<br>(dBm) | Power<br>(dBm) | Power<br>(W) | Power Lim.<br>(W) | EIRP/ERP<br>(dBm) | EIRP/ERP<br>(W) | EIRP/ERP<br>Lim.<br>(W) |
|---------------------------------|--------|-------------|-----------------|----------------|--------------|-------------------|-------------------|-----------------|-------------------------|
| Band 13_LTE_5MHz_Nss1,QPSK_1TX  | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 779.5MHz_RB 25,#RB 0            | Pass   | 1.96        | 21.03           | 21.03          | 0.127        | Inf               | 20.84             | 0.12134         | 30                      |
| 779.5MHz_RB 1,#RB L             | Pass   | 1.96        | 21.81           | 21.81          | 0.152        | Inf               | 21.62             | 0.14521         | 30                      |
| 779.5MHz_RB 1,#RB M             | Pass   | 1.96        | 21.95           | 21.95          | 0.157        | Inf               | 21.76             | 0.14997         | 30                      |
| 779.5MHz_RB 1,#RB H             | Pass   | 1.96        | 21.82           | 21.82          | 0.152        | Inf               | 21.63             | 0.14555         | 30                      |
| 779.5MHz_RB 12,#RB L            | Pass   | 1.96        | 21.01           | 21.01          | 0.126        | Inf               | 20.82             | 0.12078         | 30                      |
| 779.5MHz_RB 12,#RB M            | Pass   | 1.96        | 21.02           | 21.02          | 0.126        | Inf               | 20.83             | 0.12106         | 30                      |
| 779.5MHz_RB 12,#RB H            | Pass   | 1.96        | 21.09           | 21.09          | 0.129        | Inf               | 20.90             | 0.12303         | 30                      |
| 782MHz_RB 25,#RB 0              | Pass   | 1.96        | 20.96           | 20.96          | 0.125        | Inf               | 20.77             | 0.11940         | 30                      |
| 782MHz_RB 1,#RB L               | Pass   | 1.96        | 21.91           | 21.91          | 0.155        | Inf               | 21.72             | 0.14859         | 30                      |
| 782MHz_RB 1,#RB M               | Pass   | 1.96        | 21.90           | 21.90          | 0.155        | Inf               | 21.71             | 0.14825         | 30                      |
| 782MHz_RB 1,#RB H               | Pass   | 1.96        | 21.75           | 21.75          | 0.150        | Inf               | 21.56             | 0.14322         | 30                      |
| 782MHz_RB 12,#RB L              | Pass   | 1.96        | 21.06           | 21.06          | 0.128        | Inf               | 20.87             | 0.12218         | 30                      |
| 782MHz_RB 12,#RB M              | Pass   | 1.96        | 20.92           | 20.92          | 0.124        | Inf               | 20.73             | 0.11830         | 30                      |
| 782MHz_RB 12,#RB H              | Pass   | 1.96        | 21.03           | 21.03          | 0.127        | Inf               | 20.84             | 0.12134         | 30                      |
| 784.5MHz_RB 25,#RB 0            | Pass   | 1.96        | 20.97           | 20.97          | 0.125        | Inf               | 20.78             | 0.11967         | 30                      |
| 784.5MHz_RB 1,#RB L             | Pass   | 1.96        | 21.80           | 21.80          | 0.151        | Inf               | 21.61             | 0.14488         | 30                      |
| 784.5MHz_RB 1,#RB M             | Pass   | 1.96        | 21.97           | 21.97          | 0.157        | Inf               | 21.78             | 0.15066         | 30                      |
| 784.5MHz_RB 1,#RB H             | Pass   | 1.96        | 21.84           | 21.84          | 0.153        | Inf               | 21.65             | 0.14622         | 30                      |
| 784.5MHz_RB 12,#RB L            | Pass   | 1.96        | 21.04           | 21.04          | 0.127        | Inf               | 20.85             | 0.12162         | 30                      |
| 784.5MHz_RB 12,#RB M            | Pass   | 1.96        | 21.01           | 21.01          | 0.126        | Inf               | 20.82             | 0.12078         | 30                      |
| 784.5MHz_RB 12,#RB H            | Pass   | 1.96        | 20.93           | 20.93          | 0.124        | Inf               | 20.74             | 0.11858         | 30                      |
| Band 13_LTE_10MHz_Nss1,QPSK_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 782MHz_RB 50,#RB 0              | Pass   | 1.96        | 21.13           | 21.13          | 0.130        | Inf               | 20.94             | 0.12417         | 30                      |
| 782MHz_RB 1,#RB L               | Pass   | 1.96        | 21.66           | 21.66          | 0.147        | Inf               | 21.47             | 0.14028         | 30                      |
| 782MHz_RB 1,#RB M               | Pass   | 1.96        | 22.02           | 22.02          | 0.159        | Inf               | 21.83             | 0.15241         | 30                      |
| 782MHz_RB 1,#RB H               | Pass   | 1.96        | 21.62           | 21.62          | 0.145        | Inf               | 21.43             | 0.13900         | 30                      |
| 782MHz_RB 25,#RB L              | Pass   | 1.96        | 21.22           | 21.22          | 0.132        | Inf               | 21.03             | 0.12677         | 30                      |
| 782MHz_RB 25,#RB M              | Pass   | 1.96        | 21.01           | 21.01          | 0.126        | Inf               | 20.82             | 0.12078         | 30                      |
| 782MHz_RB 25,#RB H              | Pass   | 1.96        | 21.08           | 21.08          | 0.128        | Inf               | 20.89             | 0.12274         | 30                      |
| Band 13_LTE_5MHz_Nss1,16QAM_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 779.5MHz_RB 25,#RB 0            | Pass   | 1.96        | 20.03           | 20.03          | 0.101        | Inf               | 19.84             | 0.09638         | 30                      |
| 779.5MHz_RB 1,#RB L             | Pass   | 1.96        | 20.98           | 20.98          | 0.125        | Inf               | 20.79             | 0.11995         | 30                      |
| 779.5MHz_RB 1,#RB M             | Pass   | 1.96        | 21.25           | 21.25          | 0.133        | Inf               | 21.06             | 0.12764         | 30                      |
| 779.5MHz_RB 1,#RB H             | Pass   | 1.96        | 21.15           | 21.15          | 0.130        | Inf               | 20.96             | 0.12474         | 30                      |
| 779.5MHz_RB 12,#RB L            | Pass   | 1.96        | 20.06           | 20.06          | 0.101        | Inf               | 19.87             | 0.09705         | 30                      |
| 779.5MHz_RB 12,#RB M            | Pass   | 1.96        | 20.07           | 20.07          | 0.102        | Inf               | 19.88             | 0.09727         | 30                      |
| 779.5MHz_RB 12,#RB H            | Pass   | 1.96        | 20.12           | 20.12          | 0.103        | Inf               | 19.93             | 0.09840         | 30                      |
| 782MHz_RB 25,#RB 0              | Pass   | 1.96        | 19.98           | 19.98          | 0.100        | Inf               | 19.79             | 0.09528         | 30                      |
| 782MHz_RB 1,#RB L               | Pass   | 1.96        | 21.22           | 21.22          | 0.132        | Inf               | 21.03             | 0.12677         | 30                      |
| 782MHz_RB 1,#RB M               | Pass   | 1.96        | 21.11           | 21.11          | 0.129        | Inf               | 20.92             | 0.12359         | 30                      |
| 782MHz_RB 1,#RB H               | Pass   | 1.96        | 21.07           | 21.07          | 0.128        | Inf               | 20.88             | 0.12246         | 30                      |
| 782MHz_RB 12,#RB L              | Pass   | 1.96        | 20.10           | 20.10          | 0.102        | Inf               | 19.91             | 0.09795         | 30                      |
| 782MHz_RB 12,#RB M              | Pass   | 1.96        | 19.97           | 19.97          | 0.099        | Inf               | 19.78             | 0.09506         | 30                      |
| 782MHz_RB 12,#RB H              | Pass   | 1.96        | 20.01           | 20.01          | 0.100        | Inf               | 19.82             | 0.09594         | 30                      |
| 784.5MHz_RB 25,#RB 0            | Pass   | 1.96        | 19.97           | 19.97          | 0.099        | Inf               | 19.78             | 0.09506         | 30                      |
| 784.5MHz_RB 1,#RB L             | Pass   | 1.96        | 21.12           | 21.12          | 0.129        | Inf               | 20.93             | 0.12388         | 30                      |
| 784.5MHz_RB 1,#RB M             | Pass   | 1.96        | 21.21           | 21.21          | 0.132        | Inf               | 21.02             | 0.12647         | 30                      |



## Average Power

## Appendix A.3

| Mode                             | Result | DG<br>(dBi) | Port 1<br>(dBm) | Power<br>(dBm) | Power<br>(W) | Power Lim.<br>(W) | EIRP/ERP<br>(dBm) | EIRP/ERP<br>(W) | EIRP/ERP<br>Lim.<br>(W) |
|----------------------------------|--------|-------------|-----------------|----------------|--------------|-------------------|-------------------|-----------------|-------------------------|
| 784.5MHz_RB 1,#RB H              | Pass   | 1.96        | 21.08           | 21.08          | 0.128        | Inf               | 20.89             | 0.12274         | 30                      |
| 784.5MHz_RB 12,#RB L             | Pass   | 1.96        | 20.06           | 20.06          | 0.101        | Inf               | 19.87             | 0.09705         | 30                      |
| 784.5MHz_RB 12,#RB M             | Pass   | 1.96        | 19.99           | 19.99          | 0.100        | Inf               | 19.80             | 0.09550         | 30                      |
| 784.5MHz_RB 12,#RB H             | Pass   | 1.96        | 19.99           | 19.99          | 0.100        | Inf               | 19.80             | 0.09550         | 30                      |
| Band 13_LTE_10MHz_Nss1,16QAM_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 782MHz_RB 50,#RB 0               | Pass   | 1.96        | 20.09           | 20.09          | 0.102        | Inf               | 19.90             | 0.09772         | 30                      |
| 782MHz_RB 1,#RB L                | Pass   | 1.96        | 20.63           | 20.63          | 0.116        | Inf               | 20.44             | 0.11066         | 30                      |
| 782MHz_RB 1,#RB M                | Pass   | 1.96        | 20.92           | 20.92          | 0.124        | Inf               | 20.73             | 0.11830         | 30                      |
| 782MHz_RB 1,#RB H                | Pass   | 1.96        | 20.71           | 20.71          | 0.118        | Inf               | 20.52             | 0.11272         | 30                      |
| 782MHz_RB 25,#RB L               | Pass   | 1.96        | 20.21           | 20.21          | 0.105        | Inf               | 20.02             | 0.10046         | 30                      |
| 782MHz_RB 25,#RB M               | Pass   | 1.96        | 20.05           | 20.05          | 0.101        | Inf               | 19.86             | 0.09683         | 30                      |
| 782MHz_RB 25,#RB H               | Pass   | 1.96        | 19.97           | 19.97          | 0.099        | Inf               | 19.78             | 0.09506         | 30                      |
| Band 13_LTE_5MHz_Nss1,64QAM_1TX  | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 779.5MHz_RB 25,#RB 0             | Pass   | 1.96        | 20.06           | 20.06          | 0.101        | Inf               | 19.87             | 0.09705         | 30                      |
| 779.5MHz_RB 1,#RB L              | Pass   | 1.96        | 20.83           | 20.83          | 0.121        | Inf               | 20.64             | 0.11588         | 30                      |
| 779.5MHz_RB 1,#RB M              | Pass   | 1.96        | 21.12           | 21.12          | 0.129        | Inf               | 20.93             | 0.12388         | 30                      |
| 779.5MHz_RB 1,#RB H              | Pass   | 1.96        | 21.02           | 21.02          | 0.126        | Inf               | 20.83             | 0.12106         | 30                      |
| 779.5MHz_RB 12,#RB L             | Pass   | 1.96        | 20.02           | 20.02          | 0.100        | Inf               | 19.83             | 0.09616         | 30                      |
| 779.5MHz_RB 12,#RB M             | Pass   | 1.96        | 20.02           | 20.02          | 0.100        | Inf               | 19.83             | 0.09616         | 30                      |
| 779.5MHz_RB 12,#RB H             | Pass   | 1.96        | 20.01           | 20.01          | 0.100        | Inf               | 19.82             | 0.09594         | 30                      |
| 782MHz_RB 25,#RB 0               | Pass   | 1.96        | 19.97           | 19.97          | 0.099        | Inf               | 19.78             | 0.09506         | 30                      |
| 782MHz_RB 1,#RB L                | Pass   | 1.96        | 21.08           | 21.08          | 0.128        | Inf               | 20.89             | 0.12274         | 30                      |
| 782MHz_RB 1,#RB M                | Pass   | 1.96        | 21.05           | 21.05          | 0.127        | Inf               | 20.86             | 0.12190         | 30                      |
| 782MHz_RB 1,#RB H                | Pass   | 1.96        | 20.96           | 20.96          | 0.125        | Inf               | 20.77             | 0.11940         | 30                      |
| 782MHz_RB 12,#RB L               | Pass   | 1.96        | 20.08           | 20.08          | 0.102        | Inf               | 19.89             | 0.09750         | 30                      |
| 782MHz_RB 12,#RB M               | Pass   | 1.96        | 19.91           | 19.91          | 0.098        | Inf               | 19.72             | 0.09376         | 30                      |
| 782MHz_RB 12,#RB H               | Pass   | 1.96        | 20.05           | 20.05          | 0.101        | Inf               | 19.86             | 0.09683         | 30                      |
| 784.5MHz_RB 25,#RB 0             | Pass   | 1.96        | 19.94           | 19.94          | 0.099        | Inf               | 19.75             | 0.09441         | 30                      |
| 784.5MHz_RB 1,#RB L              | Pass   | 1.96        | 21.00           | 21.00          | 0.126        | Inf               | 20.81             | 0.12050         | 30                      |
| 784.5MHz_RB 1,#RB M              | Pass   | 1.96        | 21.15           | 21.15          | 0.130        | Inf               | 20.96             | 0.12474         | 30                      |
| 784.5MHz_RB 1,#RB H              | Pass   | 1.96        | 21.04           | 21.04          | 0.127        | Inf               | 20.85             | 0.12162         | 30                      |
| 784.5MHz_RB 12,#RB L             | Pass   | 1.96        | 20.01           | 20.01          | 0.100        | Inf               | 19.82             | 0.09594         | 30                      |
| 784.5MHz_RB 12,#RB M             | Pass   | 1.96        | 20.02           | 20.02          | 0.100        | Inf               | 19.83             | 0.09616         | 30                      |
| 784.5MHz_RB 12,#RB H             | Pass   | 1.96        | 19.97           | 19.97          | 0.099        | Inf               | 19.78             | 0.09506         | 30                      |
| Band 13_LTE_10MHz_Nss1,64QAM_1TX | -      | -           | -               | -              | -            | -                 | -                 | -               | -                       |
| 782MHz_RB 50,#RB 0               | Pass   | 1.96        | 20.08           | 20.08          | 0.102        | Inf               | 19.89             | 0.09750         | 30                      |
| 782MHz_RB 1,#RB L                | Pass   | 1.96        | 20.72           | 20.72          | 0.118        | Inf               | 20.53             | 0.11298         | 30                      |
| 782MHz_RB 1,#RB M                | Pass   | 1.96        | 20.88           | 20.88          | 0.122        | Inf               | 20.69             | 0.11722         | 30                      |
| 782MHz_RB 1,#RB H                | Pass   | 1.96        | 20.68           | 20.68          | 0.117        | Inf               | 20.49             | 0.11194         | 30                      |
| 782MHz_RB 25,#RB L               | Pass   | 1.96        | 20.19           | 20.19          | 0.104        | Inf               | 20.00             | 0.10000         | 30                      |
| 782MHz_RB 25,#RB M               | Pass   | 1.96        | 20.03           | 20.03          | 0.101        | Inf               | 19.84             | 0.09638         | 30                      |
| 782MHz_RB 25,#RB H               | Pass   | 1.96        | 20.08           | 20.08          | 0.102        | Inf               | 19.89             | 0.09750         | 30                      |

DG = Directional Gain; Port n = Port n output power



**Summary**

| Mode                  | Result | Freq<br>(MHz) | Limit<br>(dB) | 0.1% | Port |
|-----------------------|--------|---------------|---------------|------|------|
| 850                   | -      | -             | -             | -    | -    |
| GPRS_200kHz_Nss1_1TX  | Pass   | 824.2         | 13.00         | 0.26 | 1    |
| EGPRS_200kHz_Nss1_1TX | Pass   | 848.8         | 13.00         | 3.42 | 1    |
| 1900                  | -      | -             | -             | -    | -    |
| GPRS_200kHz_Nss1_1TX  | Pass   | 1880          | 13.00         | 0.29 | 1    |
| EGPRS_200kHz_Nss1_1TX | Pass   | 1850.2        | 13.00         | 3.48 | 1    |





## Peak to Average Power Ratio (PAPR)

## Appendix B.1

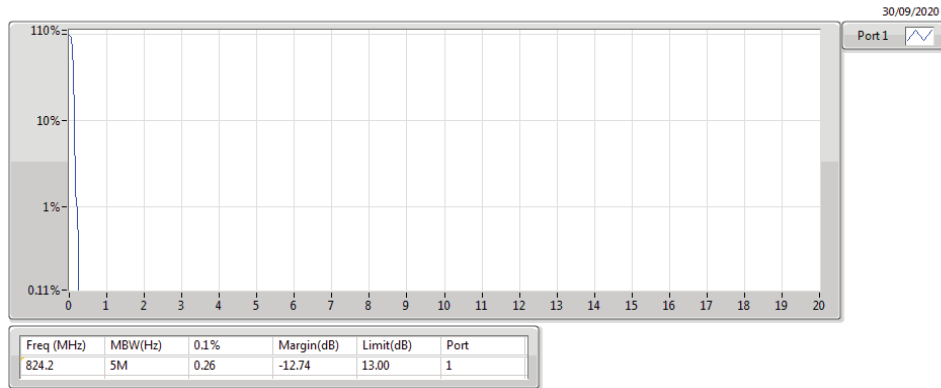
### Result

| Mode                     | Result | Freq<br>(MHz) | Limit<br>(dB) | 0.1% | Port |
|--------------------------|--------|---------------|---------------|------|------|
| 850                      | -      | -             | -             | -    | -    |
| GPRS_200kHz_Nss1_824.2   | Pass   | 824.2         | 13.00         | 0.26 | 1    |
| GPRS_200kHz_Nss1_836.4   | Pass   | 836.4         | 13.00         | 0.23 | 1    |
| GPRS_200kHz_Nss1_848.8   | Pass   | 848.8         | 13.00         | 0.17 | 1    |
| 1900                     | -      | -             | -             | -    | -    |
| GPRS_200kHz_Nss1_1850.2  | Pass   | 1850.2        | 13.00         | 0.20 | 1    |
| GPRS_200kHz_Nss1_1880    | Pass   | 1880          | 13.00         | 0.29 | 1    |
| GPRS_200kHz_Nss1_1909.8  | Pass   | 1909.8        | 13.00         | 0.26 | 1    |
| 850                      | -      | -             | -             | -    | -    |
| EGPRS_200kHz_Nss1_824.2  | Pass   | 824.2         | 13.00         | 3.19 | 1    |
| EGPRS_200kHz_Nss1_836.4  | Pass   | 836.4         | 13.00         | 3.19 | 1    |
| EGPRS_200kHz_Nss1_848.8  | Pass   | 848.8         | 13.00         | 3.42 | 1    |
| 1900                     | -      | -             | -             | -    | -    |
| EGPRS_200kHz_Nss1_1850.2 | Pass   | 1850.2        | 13.00         | 3.48 | 1    |
| EGPRS_200kHz_Nss1_1880   | Pass   | 1880          | 13.00         | 3.01 | 1    |
| EGPRS_200kHz_Nss1_1909.8 | Pass   | 1909.8        | 13.00         | 2.81 | 1    |

850\_GPRS\_200kHz\_Nss1\_1TX

PAR

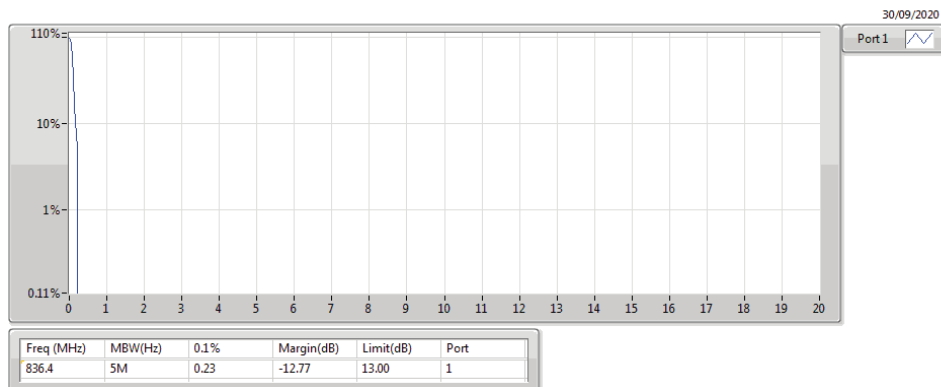
824.2MHz



850\_GPRS\_200kHz\_Nss1\_1TX

PAR

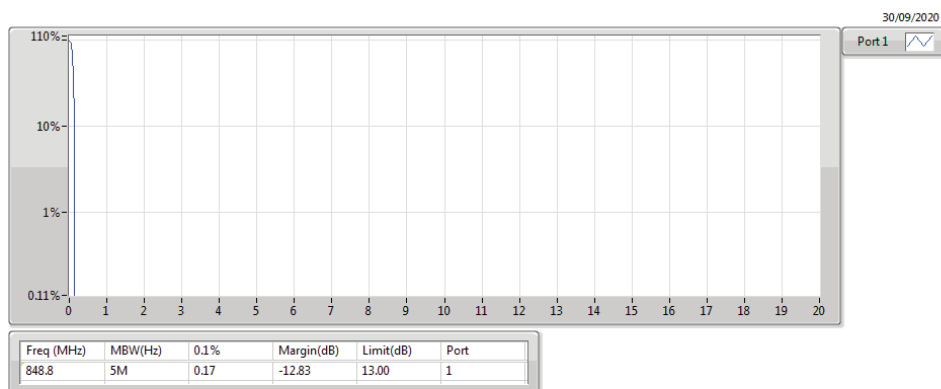
836.4MHz



850\_GPRS\_200kHz\_Nss1\_1TX

PAR

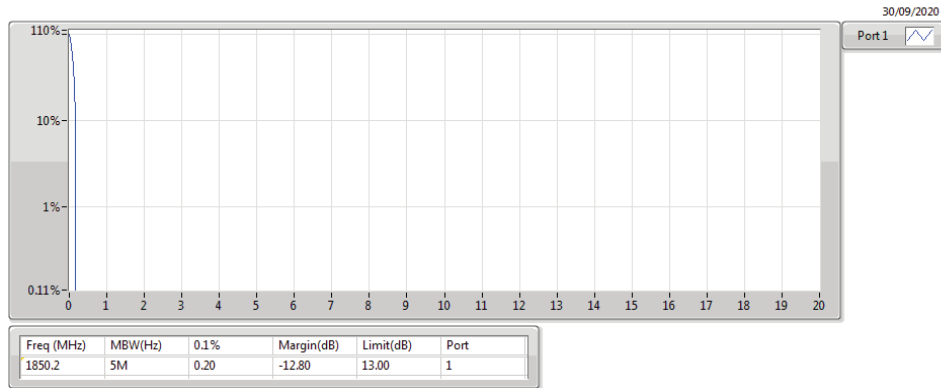
848.8MHz



1900\_GPRS\_200kHz\_Nss1\_1TX

PAR

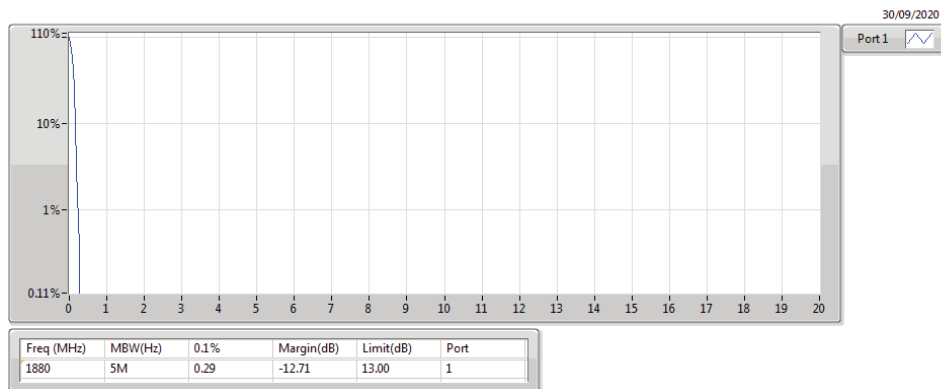
1850.2MHz



1900\_GPRS\_200kHz\_Nss1\_1TX

PAR

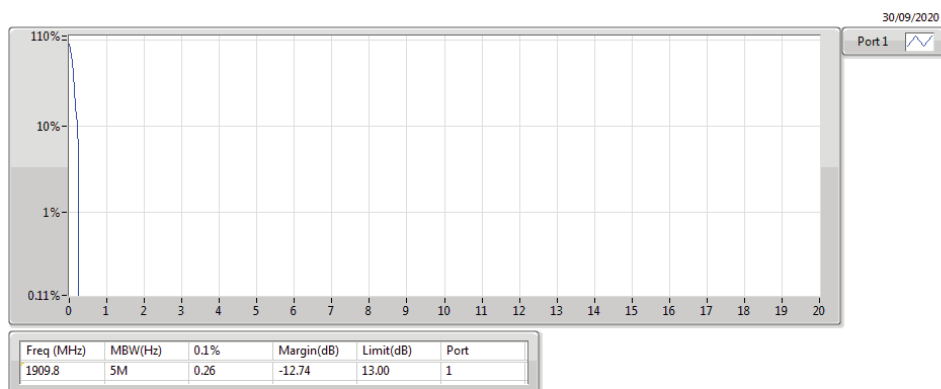
1880MHz



1900\_GPRS\_200kHz\_Nss1\_1TX

PAR

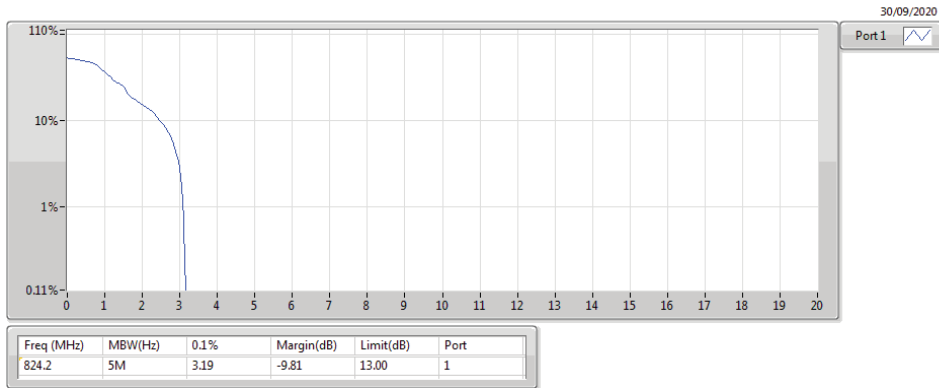
1909.8MHz



850\_EGPRS\_200kHz\_Nss1\_1TX

PAR

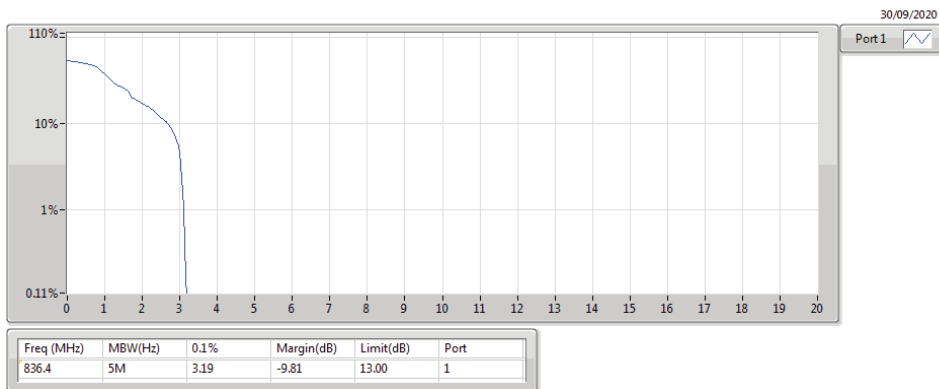
824.2MHz



850\_EGPRS\_200kHz\_Nss1\_1TX

PAR

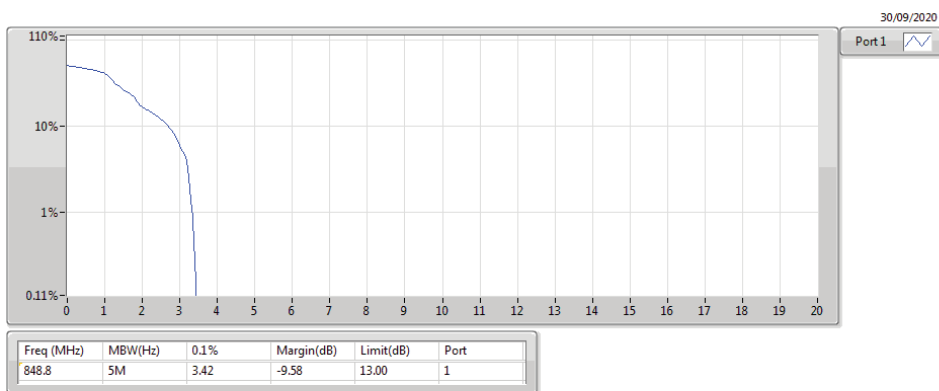
836.4MHz



850\_EGPRS\_200kHz\_Nss1\_1TX

PAR

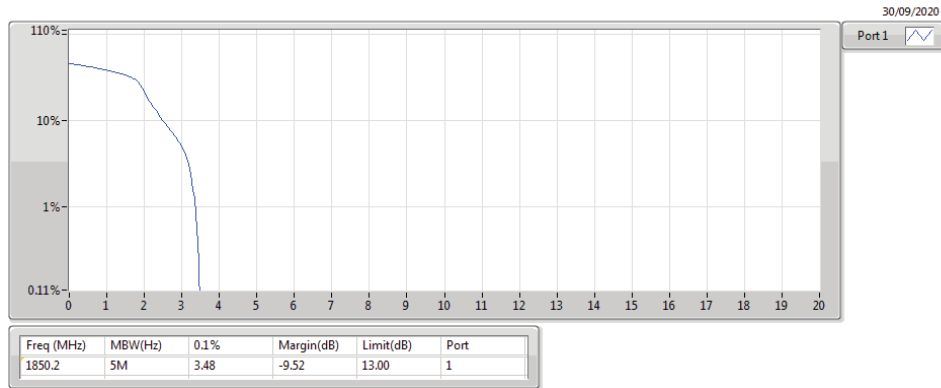
848.8MHz



1900\_EGPRS\_200kHz\_Nss1\_1TX

PAR

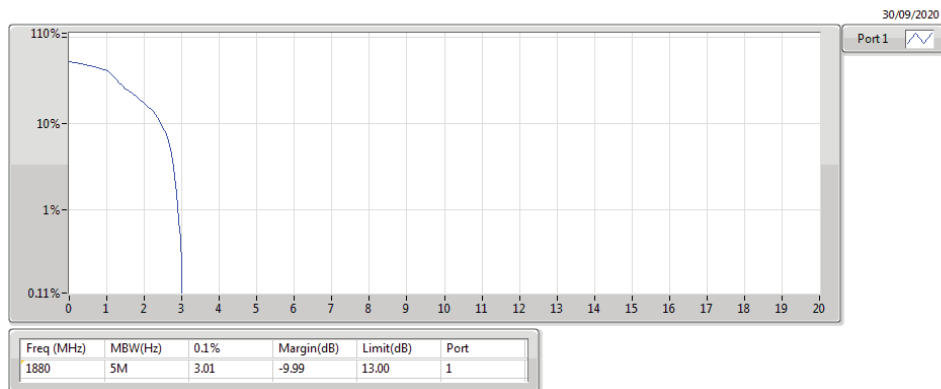
1850.2MHz



1900\_EGPRS\_200kHz\_Nss1\_1TX

PAR

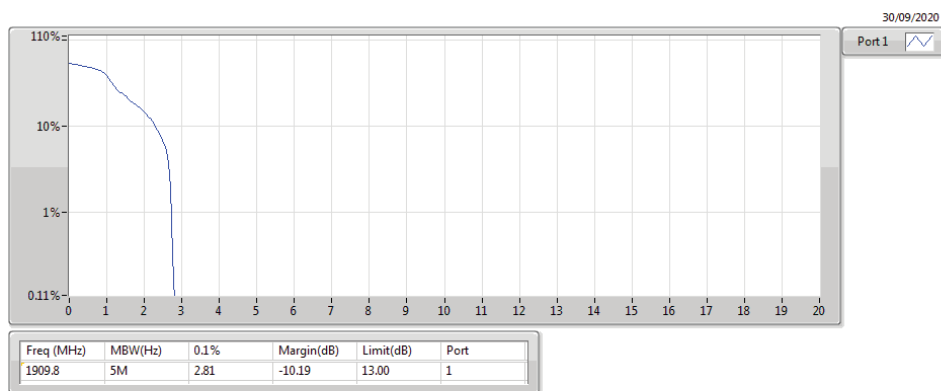
1880MHz



1900\_EGPRS\_200kHz\_Nss1\_1TX

PAR

1909.8MHz





## Peak to Average Power Ratio (PAPR)

## Appendix B.2

### Summary

| Mode                | Result | Freq<br>(MHz) | Limit<br>(dB) | 0.1% | Port |
|---------------------|--------|---------------|---------------|------|------|
| Band 2              | -      | -             | -             | -    | -    |
| WCDMA_5MHz_Nss1_1TX | Pass   | 1852.4        | 13.00         | 3.59 | 1    |
| Band 4              | -      | -             | -             | -    | -    |
| WCDMA_5MHz_Nss1_1TX | Pass   | 1732.6        | 13.00         | 3.30 | 1    |
| Band 5              | -      | -             | -             | -    | -    |
| WCDMA_5MHz_Nss1_1TX | Pass   | 836.4         | 13.00         | 3.22 | 1    |



## Peak to Average Power Ratio (PAPR)

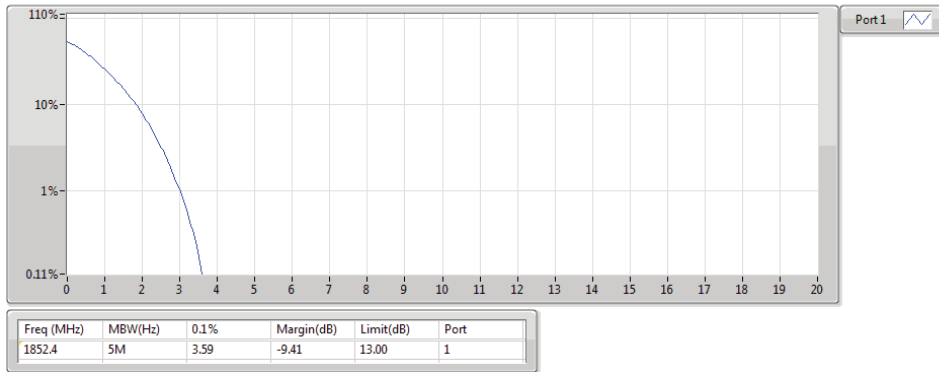
## Appendix B.2

### Result

| Mode                   | Result | Freq<br>(MHz) | Limit<br>(dB) | 0.1% | Port |
|------------------------|--------|---------------|---------------|------|------|
| Band 2                 | -      | -             | -             | -    | -    |
| WCDMA_5MHz_Nss1_1852.4 | Pass   | 1852.4        | 13.00         | 3.59 | 1    |
| WCDMA_5MHz_Nss1_1880   | Pass   | 1880          | 13.00         | 3.59 | 1    |
| WCDMA_5MHz_Nss1_1907.6 | Pass   | 1907.6        | 13.00         | 3.51 | 1    |
| Band 4                 | -      | -             | -             | -    | -    |
| WCDMA_5MHz_Nss1_1712.4 | Pass   | 1712.4        | 13.00         | 3.25 | 1    |
| WCDMA_5MHz_Nss1_1732.6 | Pass   | 1732.6        | 13.00         | 3.30 | 1    |
| WCDMA_5MHz_Nss1_1752.6 | Pass   | 1752.6        | 13.00         | 3.22 | 1    |
| Band 5                 | -      | -             | -             | -    | -    |
| WCDMA_5MHz_Nss1_826.4  | Pass   | 826.4         | 13.00         | 3.19 | 1    |
| WCDMA_5MHz_Nss1_836.4  | Pass   | 836.4         | 13.00         | 3.22 | 1    |
| WCDMA_5MHz_Nss1_846.6  | Pass   | 846.6         | 13.00         | 2.81 | 1    |

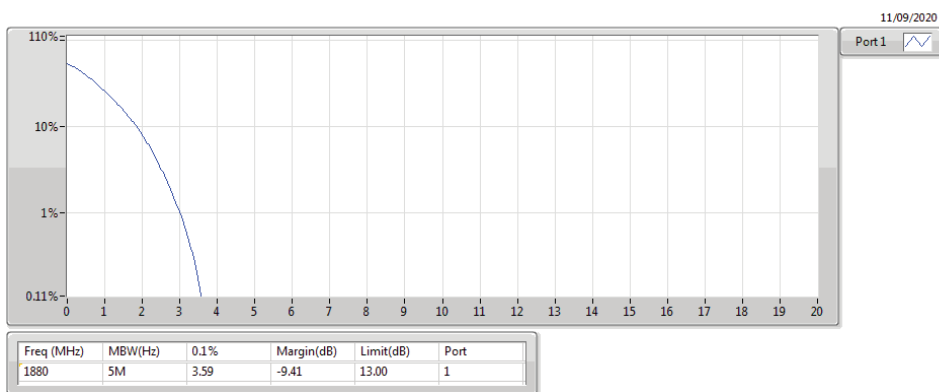
**Band 2\_WCDMA\_5MHz\_Nss1\_1TX**  
**1852.4MHz**

PAR



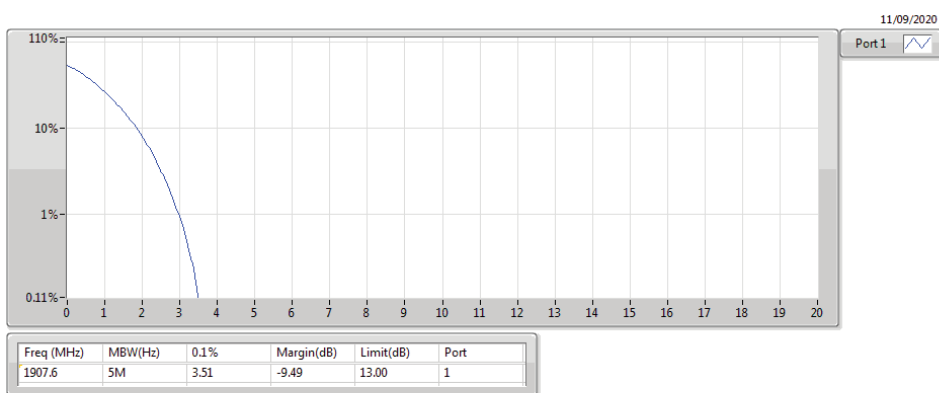
**Band 2\_WCDMA\_5MHz\_Nss1\_1TX**  
**1880MHz**

PAR



**Band 2\_WCDMA\_5MHz\_Nss1\_1TX**  
**1907.6MHz**

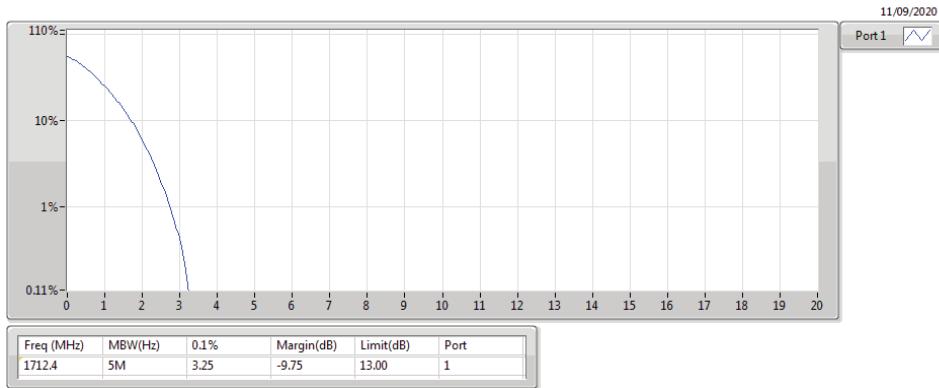
PAR





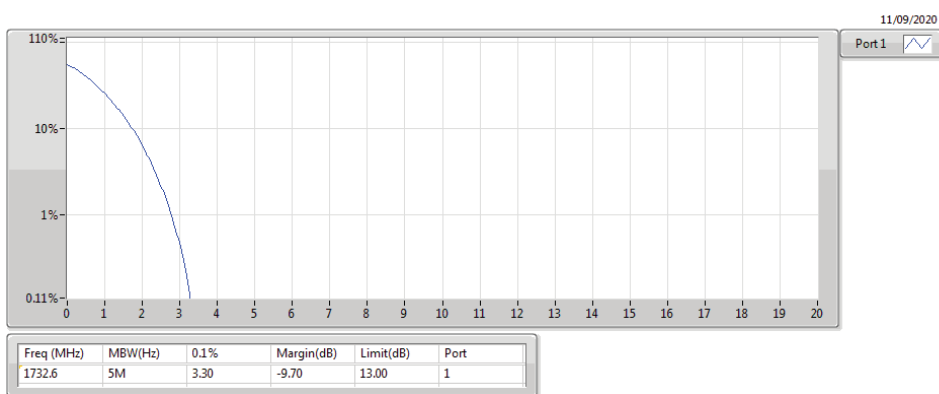
**Band 4\_WCDMA\_5MHz\_Nss1\_1TX**  
**1712.4MHz**

PAR



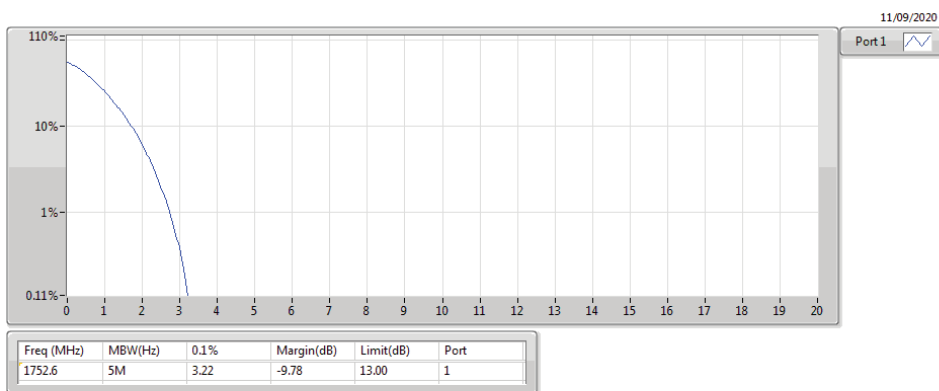
**Band 4\_WCDMA\_5MHz\_Nss1\_1TX**  
**1732.6MHz**

PAR



**Band 4\_WCDMA\_5MHz\_Nss1\_1TX**  
**1752.6MHz**

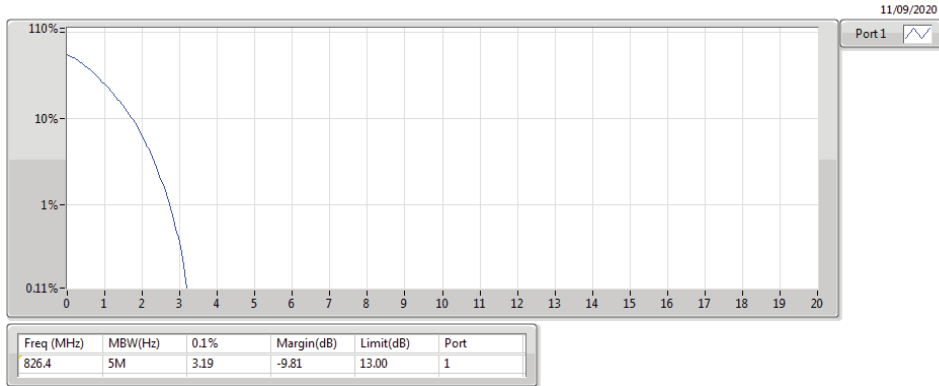
PAR



Band 5\_WCDMA\_5MHz\_Nss1\_1TX

PAR

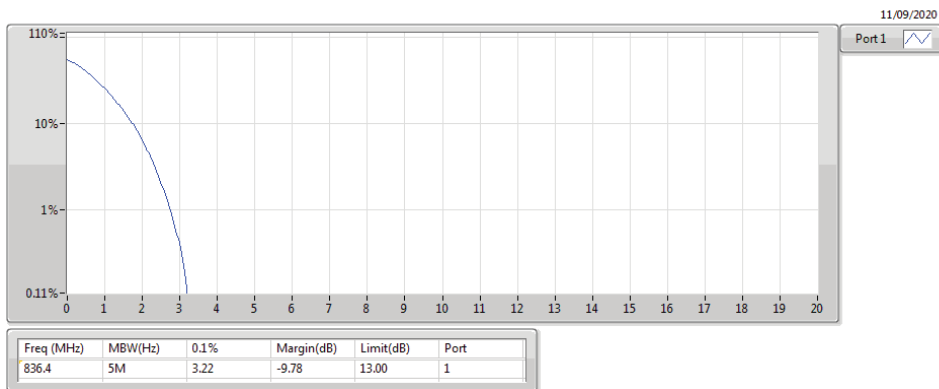
826.4MHz



Band 5\_WCDMA\_5MHz\_Nss1\_1TX

PAR

836.4MHz



Band 5\_WCDMA\_5MHz\_Nss1\_1TX

PAR

846.6MHz

