

### 6.9.3 Power Reduction Specification of 2G&3G&4G Main antenna

The following tables summarize the key power reduction information of 2G/3G/4G main antenna. The detailed full power and reduced conducted power measurement results are provided in the following section of this report:

| Main Antenna Power Reduction Level(dBm) |                  |                        |                        |                        |                        |                        |                        |
|---|------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| Band                                    | Other conditions | Receiver off           |                        |                        |                        |                        | Receiver on            |
|   |                  | Hotspot off            |                        | Hotspot on             |                        |                        | Hotspot on             |
|   |                  | Sensor on*             |                        | sensor off             | Sensor on*             |                        | /                      |
|   | Full power       | Reduced Power Level D1 | Reduced Power Level D2 | Reduced Power Level D3 | Reduced Power Level D4 | Reduced Power Level D5 | Reduced Power Level D6 |
| GSM1900                                 | 30.50            | 30.50                  | 30.50                  | 30.00                  | 30.00                  | 30.00                  | /                      |
| UMTS Band II                            | 24.50            | 22.50                  | 24.50                  | 22.00                  | 20.00                  | 22.00                  | 22.00                  |
| UMTS Band IV                            | 24.50            | 24.50                  | 24.50                  | 22.50                  | 22.50                  | 22.50                  | 22.50                  |
| LTE Band 2                              | 24.20            | 22.70                  | 24.20                  | 21.70                  | 20.20                  | 21.70                  | 21.70                  |
| LTE Band 4                              | 23.70            | 23.70                  | 23.70                  | 22.70                  | 22.70                  | 22.70                  | 22.70                  |
| LTE Band 7                              | 24.20            | 22.20                  | 23.70                  | 21.20                  | 19.20                  | 20.70                  | 21.20                  |
| CA_7C                                   | 24.00            | 22.00                  | 23.50                  | 21.00                  | 19.00                  | 20.50                  | 21.00                  |
| LTE Band 38                             | 23.63            | 23.63                  | 23.63                  | 22.63                  | 22.63                  | 22.63                  | 22.63                  |
| CA_38C                                  | 23.63            | 23.63                  | 23.63                  | 22.63                  | 22.63                  | 22.63                  | 22.63                  |
| LTE Band 41                             | 23.83            | 23.83                  | 23.83                  | 22.83                  | 22.83                  | 22.83                  | 22.83                  |
| CA_41C                                  | 23.63            | 23.63                  | 23.63                  | 22.63                  | 22.63                  | 22.63                  | 22.63                  |
| LTE Band 66                             | 23.70            | 23.70                  | 23.70                  | 22.70                  | 22.70                  | 22.70                  | 22.70                  |

Note:

- 1) \* Reduced Power Level D1 or Reduced Power Level D2 is determined by different sensor Trigger Distance ranges when hotspot is off;
- 2) \*\* Reduced Power Level D4 or Reduced Power Level D5 is determined by different sensor Trigger Distance range when hotspot is on;
- 4) Please refer to the following section for detailed Proximity sensor power reduction test configuration and validation results per KDB616217.
- 5) The device does not support GSM band hotspot function when receiver on(Voice mode)..

## 6.9.4 Proximity sensor Power Reduction Test configuration and validation

Due to the operating configurations and exposure conditions required by the device, the proximity sensor is used to indicate when the device is held close to a user's body/hotspot exposure condition. It utilizes the proximity sensor to reduce the output power in specific wireless and operating modes of main antenna to ensure SAR compliance. It is also set an output power leveled to the lowest one to make sure that in any case of SAR sensor hardware failure, the SAR requirements can still be satisfied.

The following tables summerize the key power reduction information for proximity sensor. The test procedures in KDB 616217 should be applied to determine proximity sensor triggering distances, and sensor coverage for normal and tilt positions. To ensure all production units are compliant, it is generally necessary to reduce the triggering distance determined from the triggering tests by 1 mm, or more if it is necessary, and use the smallest distance for movements to and from the phantom, minus 1 mm, as the sensor triggering distance for determining the SAR measurement distance.

| Main antenna |               |  |                            |                      |                        |
|--------------|---------------|--|----------------------------|----------------------|------------------------|
| Band         | Test position | Sensor Trigger Distance range (DUT to Phantom) | Power reduction amount(dB) | Max Power level(dBm) | Power level            |
| UMTS Band II | Bottom side   | $0 \leq \text{distance} \leq 9\text{mm}$       | 2.5                        | 22.5                 | Reduced Power Level D1 |
|              |               | $9 < \text{distance} \leq 10\text{mm}$         | 0                          | 24.5                 | Full power             |
|              |               | $10 < \text{distance}$                         | 0                          | 24.5                 | Full power             |
|              | Back side     | $0 \leq \text{distance} \leq 5\text{mm}$       | 2.5                        | 22.5                 | Reduced Power Level D1 |
|              |               | $5 < \text{distance} \leq 8\text{mm}$          | 0                          | 24.5                 | Full power             |
|              |               | $\text{distance} > 8\text{mm}$                 | 0                          | 24.5                 | level D7               |
|              | Front side    | $0 \leq \text{distance} \leq 2\text{mm}$       | 2.5                        | 22.5                 | Reduced Power Level D1 |
|              |               | $2 < \text{distance} \leq 5\text{mm}$          | 0                          | 24.5                 | Full power             |
|              |               | $5 < \text{distance}$                          | 0                          | 24.5                 | Full power             |
|              | Left side     | ALL  | 0                          | 24.5                 | Full power             |
|              | Right side    | ALL  | 0                          | 24.5                 | Full power             |
|              | Top side      | ALL  | 0                          | 24.5                 | Full power             |
| LTE Band 2   | Bottom side   | $0 \leq \text{distance} \leq 9\text{mm}$       | 1.5                        | 22.7                 | Reduced Power Level D1 |
|              |               | $9 < \text{distance} \leq 10\text{mm}$         | 0                          | 24.2                 | Full power             |
|              |               | $10 < \text{distance}$                         | 0                          | 24.2                 | Full power             |
|              | Back side     | $0 \leq \text{distance} \leq 5\text{mm}$       | 1.5                        | 22.7                 | Reduced Power Level D1 |
|              |               | $5 < \text{distance} \leq 8\text{mm}$          | 0                          | 24.2                 | Full power             |
|              |               | $\text{distance} > 8\text{mm}$                 | 0                          | 24.2                 | Full power             |
|              | Front side    | $0 \leq \text{distance} \leq 2\text{mm}$       | 2                          | 22.7                 | Reduced Power Level D1 |
|              |               | $2 < \text{distance} \leq 5\text{mm}$          | 0                          | 24.2                 | Full power             |
|              |               | $5 < \text{distance}$                          | 0                          | 24.2                 | Full power             |
|              | Left side     | ALL  | 0                          | 24.2                 | Full power             |
|              | Right side    | ALL  | 0                          | 24.2                 | Full power             |

|            |             |  |     |      |                        |
|------------|-------------|--|-----|------|------------------------|
|            | Top side    | ALL                                      | 0   | 24.2 | Full power             |
| LTE Band 7 | Bottom side | $0 \leq \text{distance} \leq 9\text{mm}$ | 2   | 22.2 | Reduced Power Level D1 |
|            |             | $9 < \text{distance} \leq 10\text{mm}$   | 0.5 | 23.7 | Reduced Power Level D2 |
|            |             | $10 < \text{distance}$                   | 0   | 24.2 | Full power             |
|            | Back side   | $0 \leq \text{distance} \leq 5\text{mm}$ | 2   | 22.2 | Reduced Power Level D1 |
|            |             | $5 < \text{distance} \leq 8\text{mm}$    | 0.5 | 23.7 | Reduced Power Level D2 |
|            |             | $\text{distance} > 8\text{mm}$           | 0   | 24.2 | Full power             |
|            | Front side  | $0 < \text{distance} \leq 2\text{mm}$    | 2   | 22.2 | Reduced Power Level D1 |
|            |             | $2 < \text{distance} \leq 5\text{mm}$    | 0.5 | 23.7 | Reduced Power Level D2 |
|            |             | $5 < \text{distance}$                    | 0   | 24.2 | Full power             |
|            | Left side   | ALL                                      | 0   | 20.7 | Full power             |
|            | Right side  | ALL                                      | 0   | 20.7 | Full power             |
|            | Top side    | ALL                                      | 0   | 24.7 | Full power             |

**Note:**

To ensure all production units are compliant, the smallest separation distance determined by the sensor triggering and sensor coverage for normal and tilt positions for all usage conditions and applicable sides, minus 1 mm, must be used as the test separation distance for additional SAR testing of each higher power stage.

For the other sides or other frequency bands of the device, SAR is still tested at the maximum full power level with sensor off.

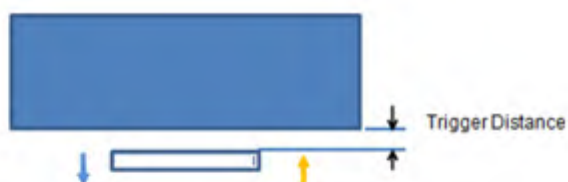
# 1) Procedures for determining proximity sensor triggering distances

The device was tested by the test lab to determine the proximity sensor triggering distances for the front side, back side and bottom side of the device. To ensure all production units are compliant, the smallest separation distance determined by the sensor triggering minus 1 mm, must be used as the test separation distance for SAR testing.

the proximity sensor triggering distance measurement method are as below:



Picture: Proximity sensor triggering distances assessment Bottom Side



Picture: Proximity sensor triggering distances assessment Front Side and Back side

Table: Summary of Trigger Distances

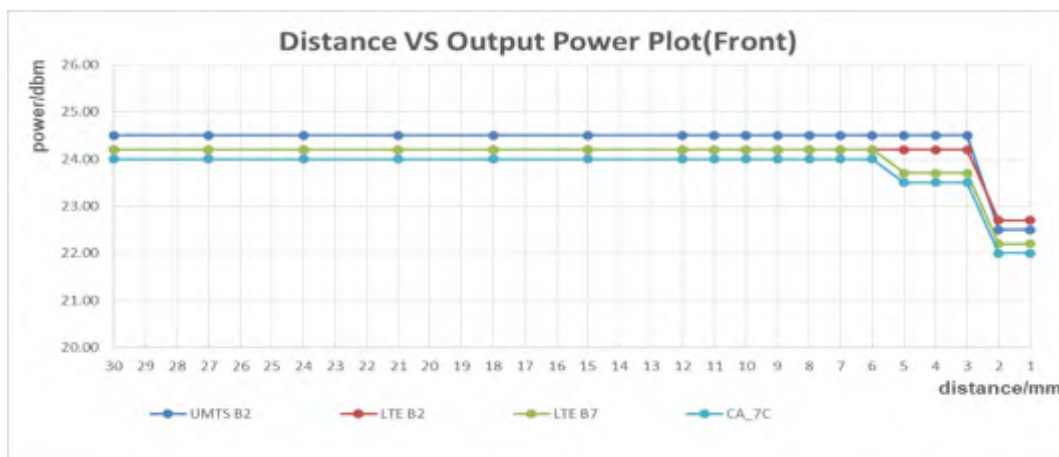
| Band         | Reduced Power Level    | Trigger distance-Front Side |                          | Trigger distance-Back Side |                          | Trigger distance-Bottom Side |                          |
|--------------|------------------------|-----------------------------|--------------------------|----------------------------|--------------------------|------------------------------|--------------------------|
|              |                        | Moving toward phantom       | Moving away from phantom | Moving toward phantom      | Moving away from phantom | Moving toward phantom        | Moving away from phantom |
| UMTS Band II | Reduced Power Level D1 | 2mm                         | 2mm                      | 5mm                        | 5mm                      | 9mm                          | 9mm                      |
| LTE Band 2   | Reduced Power Level D1 | 2mm                         | 2mm                      | 5mm                        | 5mm                      | 9mm                          | 9mm                      |
| LTE Band 7   | Reduced Power Level D1 | 2mm                         | 2mm                      | 5mm                        | 5mm                      | 9mm                          | 9mm                      |
|              | Reduced Power Level D2 | 5mm                         | 5mm                      | 8mm                        | 8mm                      | 10mm                         | 10mm                     |
| UL CA_7C     | Reduced Power Level D1 | 2mm                         | 2mm                      | 5mm                        | 5mm                      | 9mm                          | 9mm                      |
|              | Reduced Power Level D2 | 5mm                         | 5mm                      | 8mm                        | 8mm                      | 10mm                         | 10mm                     |

Note:

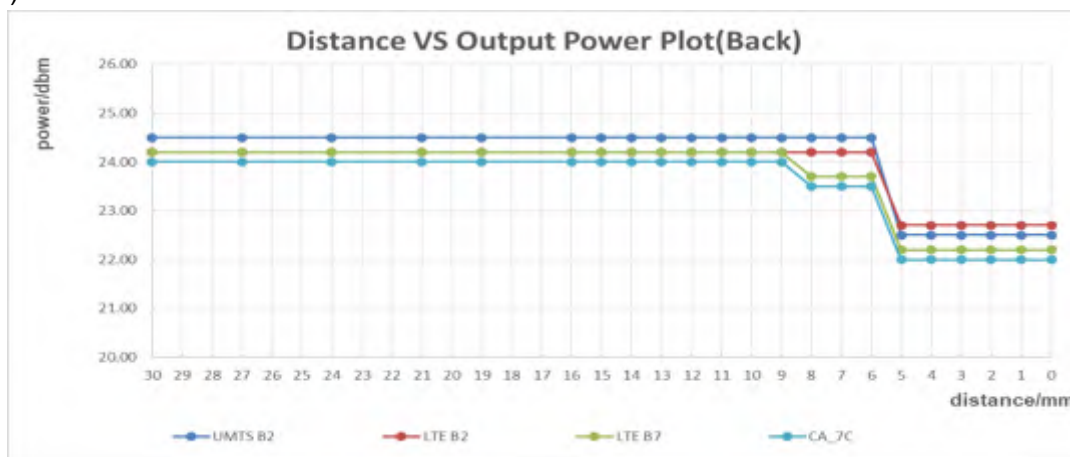
- \* The sensor Trigger Distance of Reduced Power Level D4 (hotspot on) and Reduced Power Level D1 (hotspot off) are the same.
- \* The sensor Trigger Distance of Reduced Power Level D5 (hotspot on) and Reduced Power Level D2 (hotspot off) are the same.

The detailed conducted power measurement data to determine the triggering distances is as below:

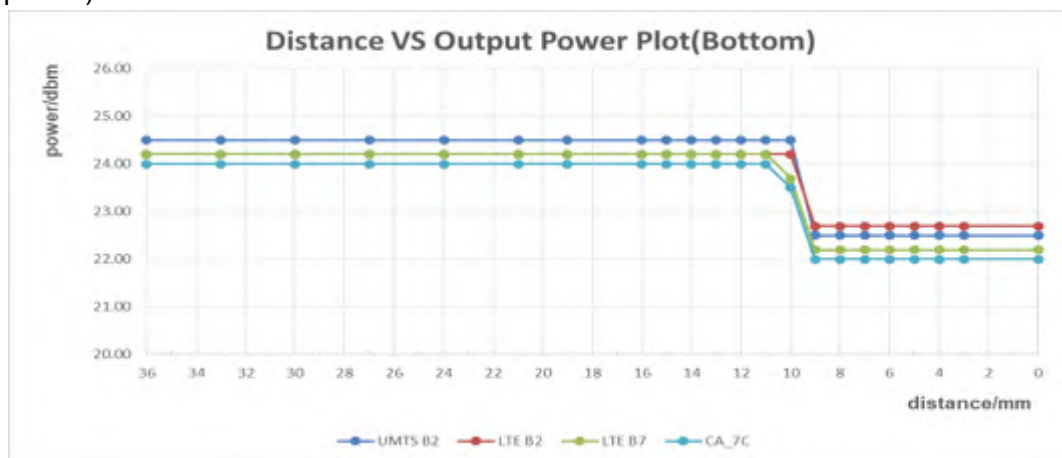
The DUT(Front side) is moved towards the flat phantom with/without Wireless Charging Cover(hotspot off):



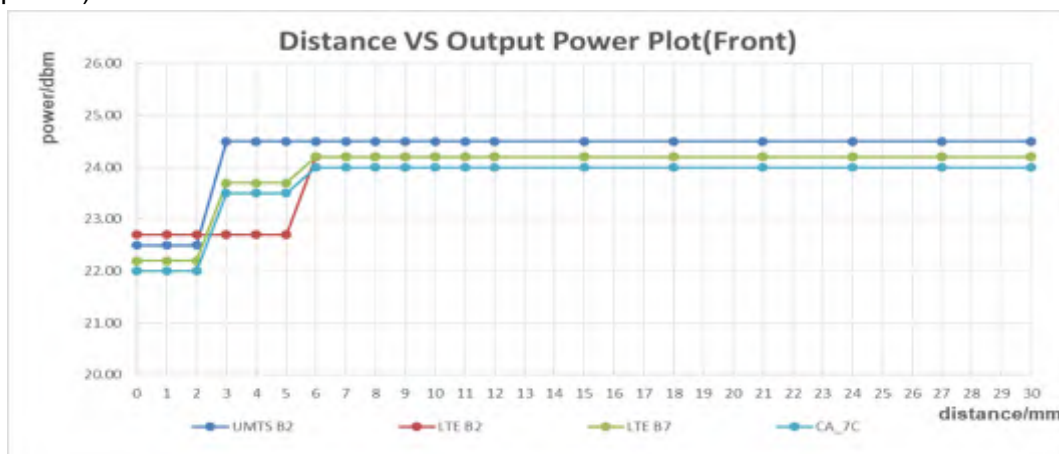
The DUT(Back side) is moved towards the flat phantom with/without wireless Wireless Charging Cover (hotspot off):



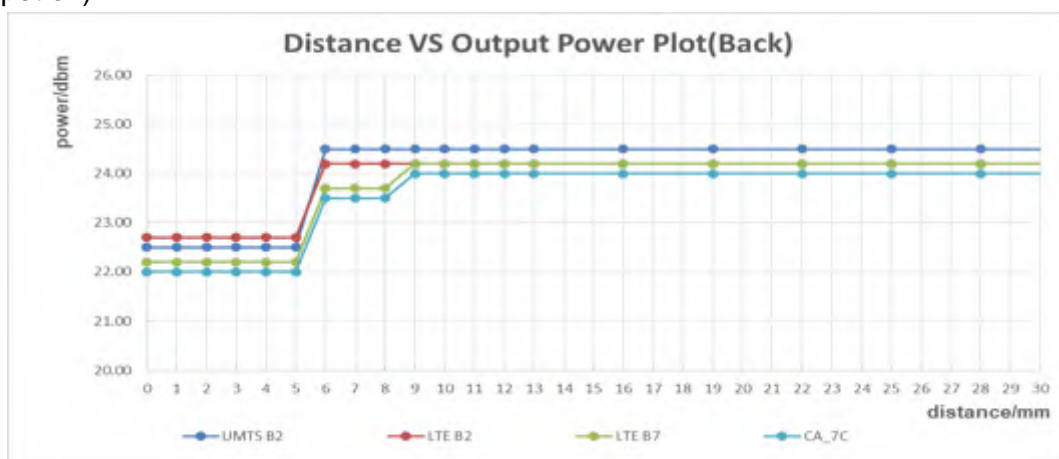
The DUT(Bottom side) is moved towards the flat phantom with/without wireless Wireless Charging Cover(hotspot off):



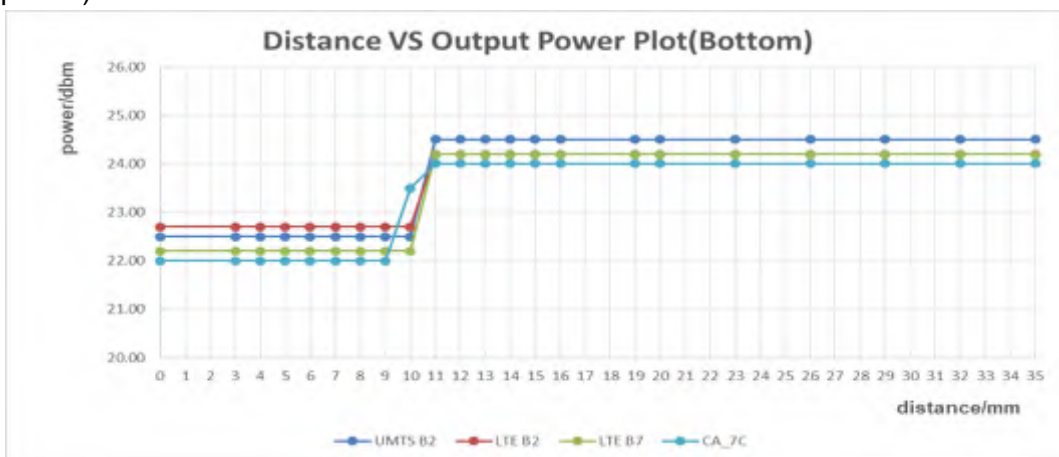
The DUT(Front side) is moved away from the flat phantom with/without wireless Wireless Charging Cover(hotspot off):



The DUT(Back side) is moved away from the flat phantom with/without wireless Wireless Charging Cover(hotspot off):

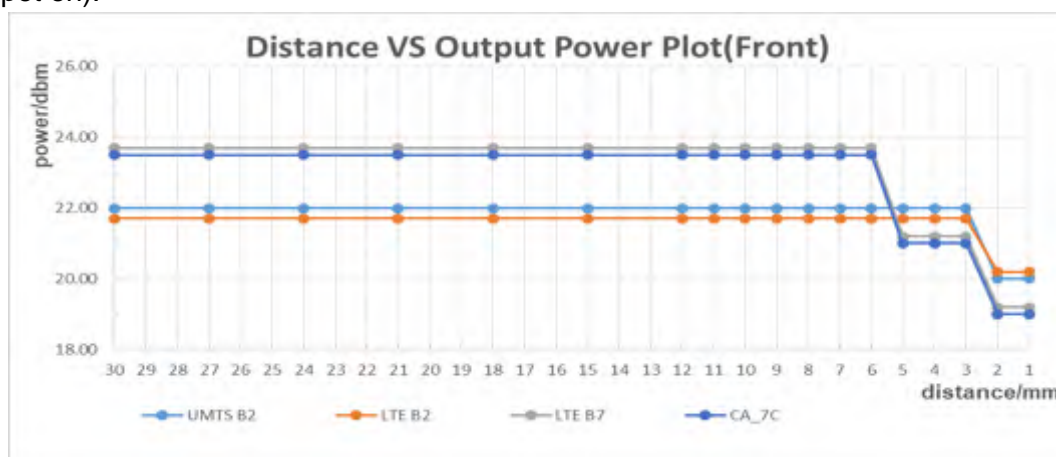


The DUT(Bottom side) is moved away from the flat phantom with/without wireless Wireless Charging Cover(hotspot off):

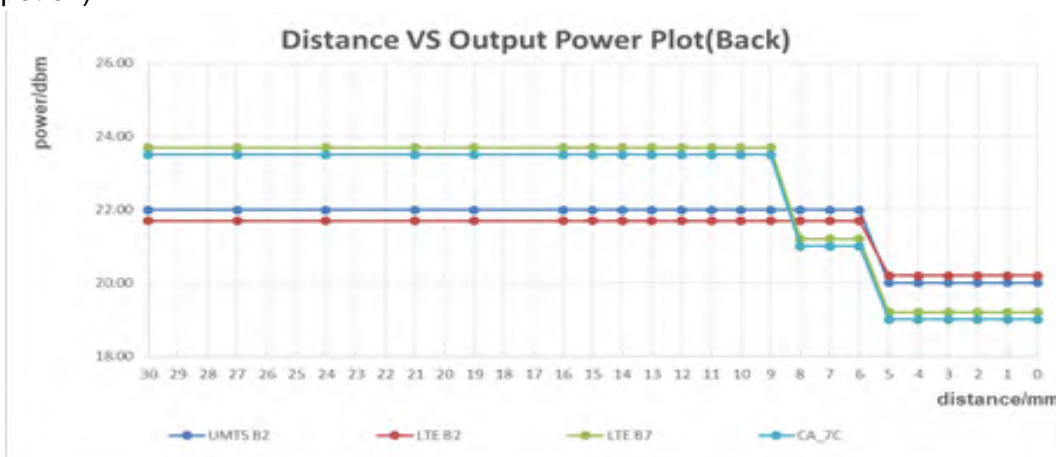




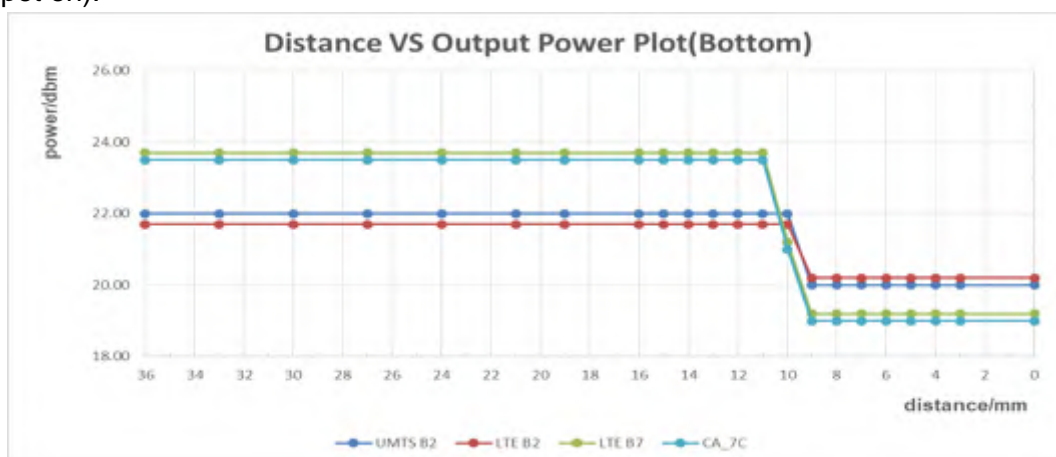
The DUT(Front side) is moved towards the flat phantom with/without wireless Wireless Charging Cover(hotspot on):



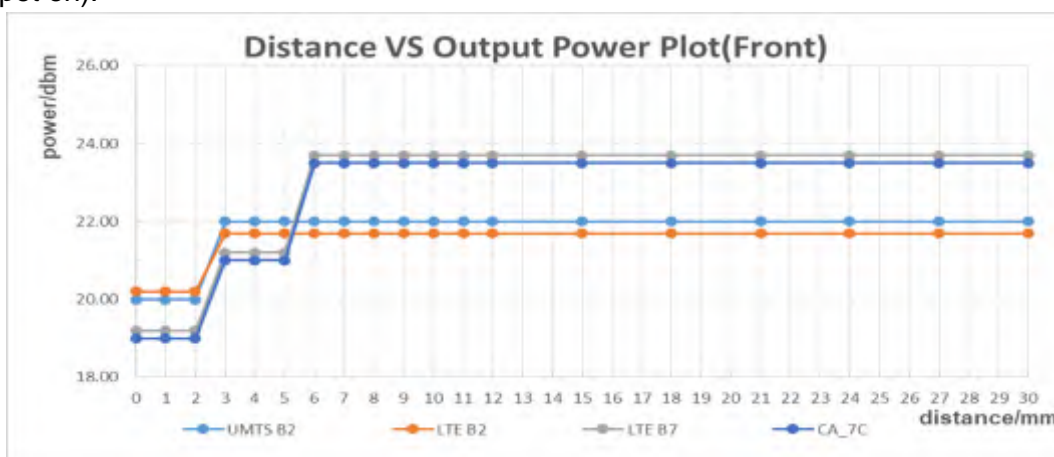
The DUT(Back side) is moved towards the flat phantom with/without wireless Wireless Charging Cover(hotspot on):



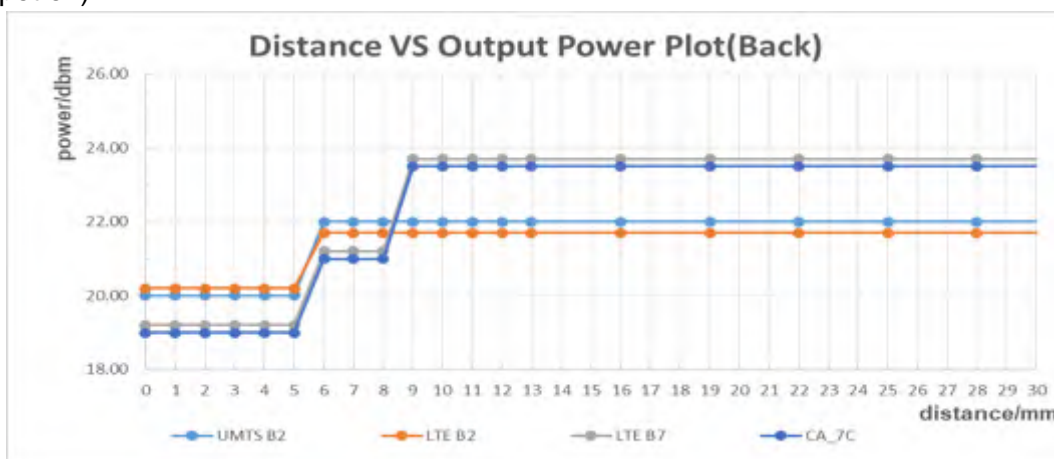
The DUT(Bottom side) is moved towards the flat phantom with/without wireless Wireless Charging Cover(hotspot on):



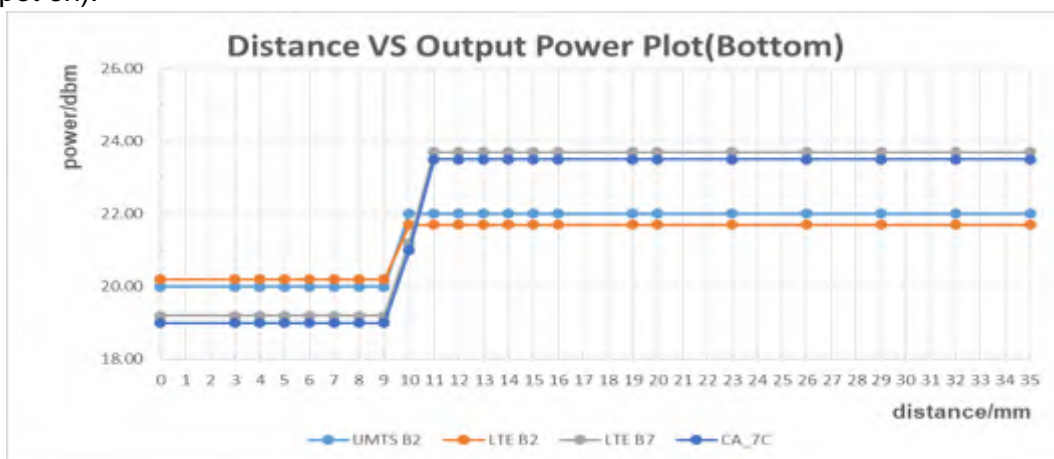
The DUT(Front side) is moved away from the flat phantom with/without wireless Wireless Charging Cover(hotspot on):



The DUT(Back side) is moved away from the flat phantom with/without wireless Wireless Charging Cover(hotspot on):



The DUT(Bottom side) is moved away from the flat phantom with/without wireless Wireless Charging Cover(hotspot on):



Conclusion: It can be ensured that the proximity sensor can be valid triggered for the body exposure condition. (UMTS Band II,LTE Band 2/7, UL CA\_7C with Main Antenna)



## 2) Procedures for determining antenna and proximity sensor coverage

According to the antenna and sensors location figure: Proximity sensor is a floating metal sheet, which cannot fully overwrite the 2G/3G/4G main antenna. So the proximity sensor coverage need to be assessed for the frequency bands and test positions supporting proximity sensor power reduction per KDB 616217:

- a) All the sides/edges (bottom side, front side and back side of the device) is positioned at a test separation distance less than or equal to the distance required for sensor triggering, with both the antenna and sensor pad located at least 20 mm laterally outside the edge (boundary) of the phantom, along the direction of maximum antenna and sensor offset.  
Each applicable edge should be positioned perpendicularly to the phantom to determine sensor coverage. For antennas and/or sensors located near the corner of a tablet, both adjacent edges must be considered.
  - b) The similar sequence of steps applied to determine sensor triggering distance are used to verify the sensor coverage by moving the DUT(sensor and antenna) horizontally toward the phantom while maintaining the same vertical separation between the side or edge and the phantom.
  - c) After the exact location where triggering of power reduction is determined, with respect to the sensor and antenna, the DUT movement should be continued, in 3 mm increments, until both the sensor and antenna(s) are fully under the phantom and at least 20 mm inside the phantom edge.
  - d) The process is then repeated from the opposite direction, starting at the other end of the maximum antenna and sensor offset, by rotating the DUT 180° along the vertical axis.
  - e) The triggering points should be documented graphically, with the antenna and sensor clearly identified, along with all relevant dimensions.
  - f) If the subsequently measured peak SAR location for the antenna is not between the triggering points, established by the sensor coverage tests from opposite ends of the antenna and sensor, additional SAR tests may be required for conditions where only part of the surface or edge of the DUT corresponding to the antenna is in proximity to the user and the sensor may not be triggering as desired.
- The proximity sensor coverage measurement method are as below:

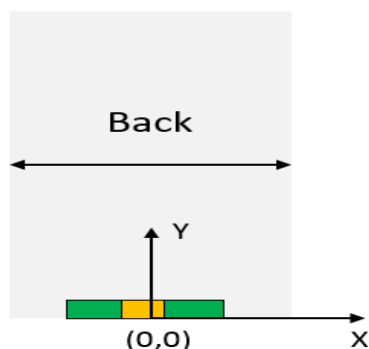


Figure: Plane coordinate system definition on the DUT

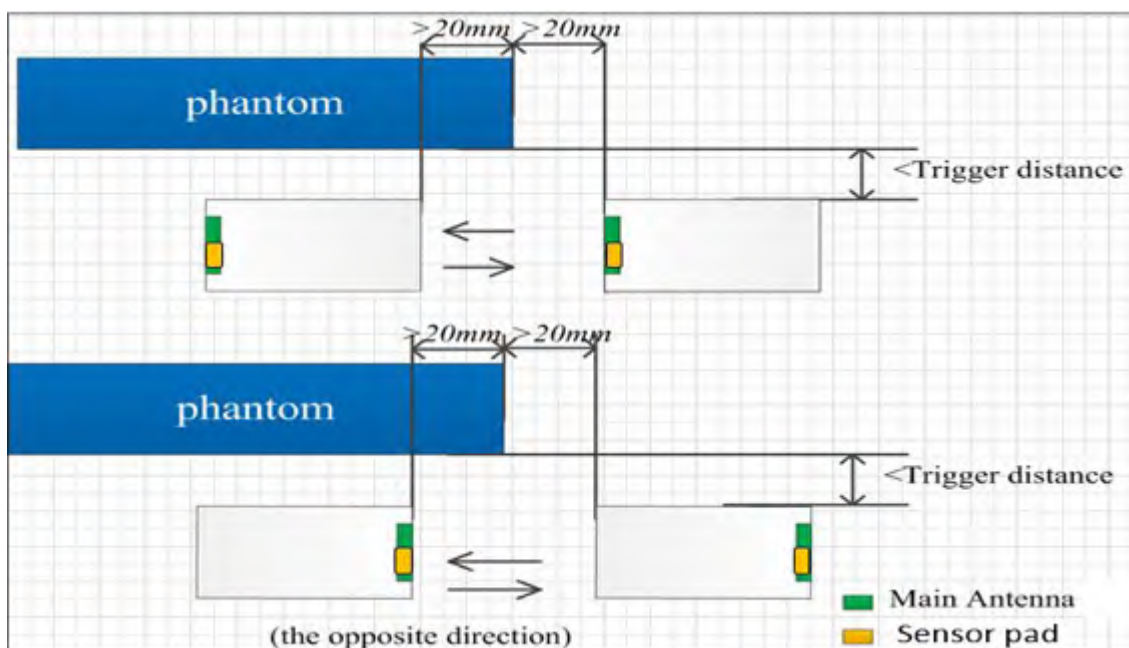


Figure: proximity sensor coverage assesment (Y coordinate direction)

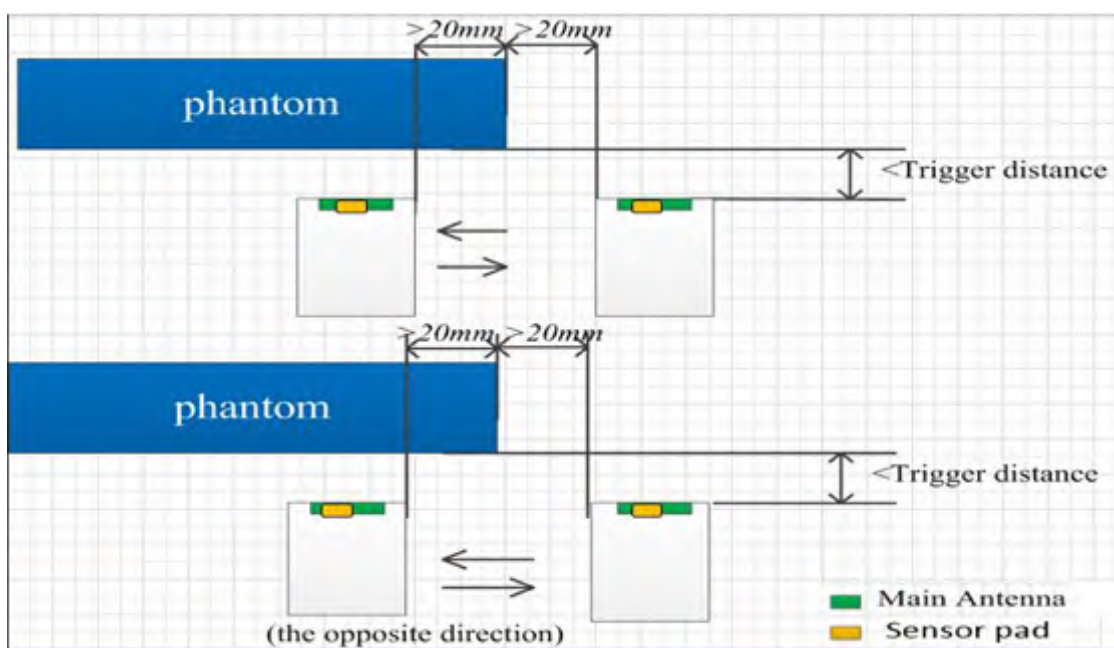
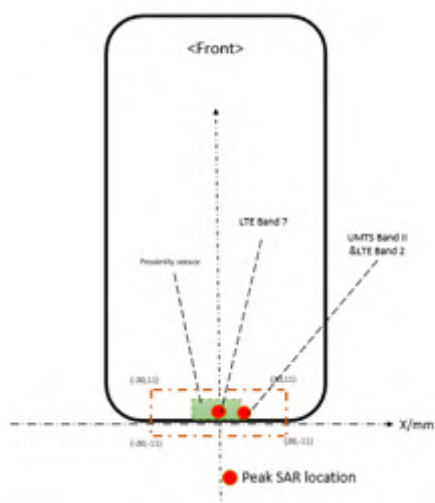
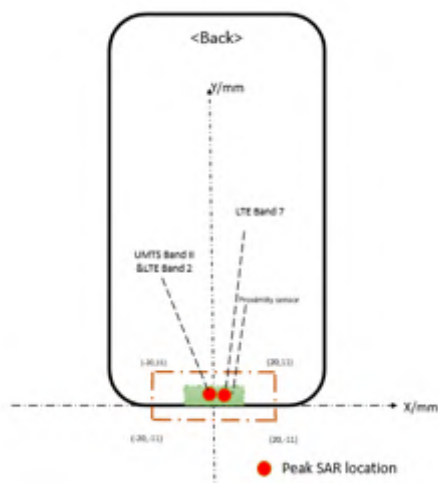


Figure: proximity sensor coverage assesment (X coordinate direction)

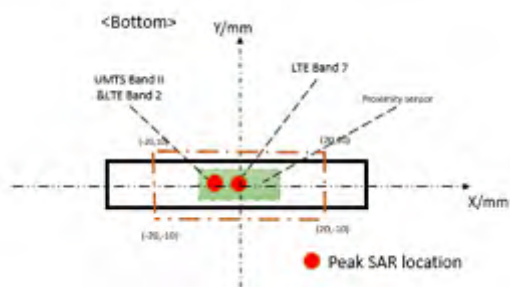
sensor coverage assesment results(Front side):



sensor coverage assesment results(Back side):



sensor coverage assesment results(Bottom side):



Conclusion: As the subsequently measured peak SAR location for the antenna is between the triggering points, additional SAR tests are not required for proximity sensor coverage per KDB 616217.

### 3) Procedures for determining device tilt angle influences to proximity sensor triggering

The DUT was positioned directly below the flat phantom with/without wireless Wireless Charging Cover at the minimum measured trigger distance with Bottom side parallel to the base of the flat phantom with/without wireless Wireless Charging Cover for each band.

The DUT was rotated about Bottom side for angles up to  $\pm 45^\circ$ . If the output power increased during the rotation the DUT was moved 1mm toward the phantom and the rotation repeated. This procedure was repeated until the power remained reduced for all angles up to  $\pm 45^\circ$ .

The proximity sensor triggering tilt angle measurement method are as below:

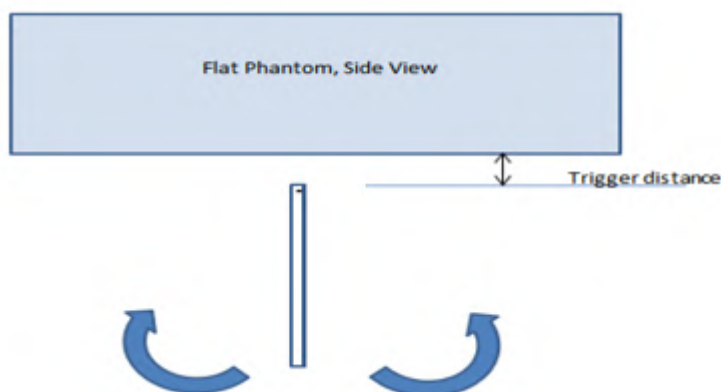


Table: Summary of Device Tilt Angle Influence to Proximity Sensor Triggering(Bottom side)

| Band(MHz)    | Minimum trigger distance at which power reduction was maintained over $\pm 45^\circ$ | Power Reduction Status |      |      |      |     |    |    |     |     |     |     |
|--------------|--|------------------------|------|------|------|-----|----|----|-----|-----|-----|-----|
|              |  | -45°                   | -35° | -25° | -15° | -5° | 0° | 5° | 15° | 25° | 35° | 45° |
| UMTS Band II | 9mm  | on                     | on   | on   | on   | on  | on | on | on  | on  | on  | on  |
| LTE Band 2   | 9mm  | on                     | on   | on   | on   | on  | on | on | on  | on  | on  | on  |
| LTE Band 7   | 9mm/10mm   | on                     | on   | on   | on   | on  | on | on | on  | on  | on  | on  |
| UL CA_7C     | 9mm/10mm   | on                     | on   | on   | on   | on  | on | on | on  | on  | on  | on  |

Conclusion: It can be ensured that the proximity sensor can be valid triggered for the DUT tilt coverage exposure condition.

## 6.10 BT Test Configuration

### BT specific wireless modes and SAR test:

The device is a mobile phone. It supports a BT high power feature in specific wireless modes and operating configurations. The maximum power of BT is different on different scenarios.

The BT of this device has two different operating modes:

- 1) Low power level mode (power level B, maximum duty cycle 100%) as default mode;
- 2) High power level mode (power level A, maximum duty cycle 100%) in specific wireless modes and operating configurations when the mobile phone is connected to an external audio device;

Note: For this device, power level B is  $\leq$  power level A.

Based on the BT high power mode detection technique description above, the different exposure conditions related to BT high power mode (Power level A) are listed as below table:

| Operating modes       | Max power level | Maximum duty cycle | Exposure condition Required for SAR testing |                                   |
|-----------------------|-----------------|--------------------|---|-----------------------------------|
|                       |                 |                    | Head<br>(Audio Receiver on)                 | Body                              |
| Low power level mode  | power level B   | 100%               | <b>Yes<br/>(See Below Note 1)</b>           | <b>Yes<br/>(See Below Note 1)</b> |
| High power level mode | power level A   | 100%               | <b>N/A<br/>(See Below Note 2)</b>           | <b>Yes</b>                        |

**Note 1:** The BT SAR results at low power level B is still required because the simultaneous transmission possibilities for BT at lower power level B and high power level A are different. The BT SAR results at low power level B should be used to evaluation the simultaneous transmission SAR conditions not supported by BT higher power level A.

**Note 2:** High power level mode (power level A, maximum duty cycle 100%) is not applicable for Head exposure condition (Audio Receiver on) by design.

**Note 3:** Both the power level A and B results will be tested and provided in the SAR report to validate the power reduction function works.

During the BT test, a test software tool (an APK) installed on the DUT is required to configure the DUT to transmit continuously at the high power level A. The APK function is only used to trigger mobile phone always transmitting power. It can be ensured that the unmodified settings in production units, including maximum output power, amplifier gain and other RF performance or tuning parameters, are used for SAR measurement.

## 7 SAR Measurement Results

### 7.1 Conducted power measurements

For the measurements, Radio Communication Tester was used.

SAR drift measured at the same position in liquid before and after each SAR test as below the following chapter.

Note: The Radio Communication Tester measures GSM peak and average output power for active timeslots. For SAR the timebased average power is relevant. The difference in between depends on the duty cycle of the TDMA signal:

| No. of timeslots                                    | 1       | 2       | 3       | 4       |
|---|---------|---------|---------|---------|
| Duty Cycle  | 1:8.3   | 1:4.1   | 1:2.77  | 1:2.08  |
| timebased avg. power compared to slotted avg. power | -9.19dB | -6.13dB | -4.42dB | -3.18dB |

The signalling modes differ as follows:

| mode | coding scheme | modulation |
|------|---------------|------------|
| GPRS | CS1 to CS4    | GMSK       |
| EDGE | MCS1 to MCS4  | GMSK       |
| EDGE | MCS5 to MCS9  | 8PSK       |

Apart from modulation change (GMSK/8PSK) coding schemes differ in code rate without influence on the RF signal. Therefore, one coding scheme per mode was selected for conducted power measurements.

The Radio Communication Tester was used for LTE output power measurements and SAR testing. Closed loop power control was used so the UE transmits with maximum output power during SAR testing.

The Radio Communication Tester measures LTE TDD peak and average output power for active timeslots. LTE TDD peak and average output power for active timeslots. For SAR the time-based average power is relevant. The difference in between depends on the duty cycle of the TDMA signal:

For Time-Division Duplex (TDD) systems, SAR must be tested using a fixed periodic duty factor according to the highest transmission duty factor implemented for the device and supported by the defined 3GPP LTE TDD configurations.

| No. of Configuration                                 | 0              | 1       | 2       | 3       | 4       | 5        | 6       |
|--|----------------|---------|---------|---------|---------|----------|---------|
| Duty Cycle   | <b>0.6333</b>  | 0.4333  | 0.2333  | 0.3167  | 0.2167  | 0.1167   | 0.5333  |
| Time-based avg. power compared to slotted avg. power | <b>-1.98dB</b> | -3.63dB | -6.32dB | -4.99dB | -6.64dB | -9.33 dB | -2.73dB |

Note: According to duty cycle of configuration 0 to 6, Max output power should be Configuration 0, so we just tested the conduction power and SAR of configuration 0.



### 7.1.1 Conducted power measurements of GSM850(Second antenna)

| GSM850      |            | Burst-Averaged output Power (dBm) |              |              |              | Division Factors | Frame-Averaged output Power (dBm) |       |       |       |
|-------------|------------|-----------------------------------|--------------|--------------|--------------|------------------|-----------------------------------|-------|-------|-------|
|             |            | Tune-up Max.                      | 128CH        | 190CH        | 251CH        |                  | Tune-up Max.                      | 128CH | 190CH | 251CH |
| GSM (CS)    |            | 33.00                             | <b>31.83</b> | <b>32.06</b> | <b>31.95</b> | -9.19            | 23.81                             | 22.64 | 22.87 | 22.76 |
| GPRS (GMSK) | 1 Tx Slot  | 33.00                             | 31.88        | 32.06        | 31.96        | -9.19            | 23.81                             | 22.69 | 22.87 | 22.77 |
|             | 2 Tx Slots | 31.00                             | 29.46        | 29.71        | 29.57        | -6.13            | 24.87                             | 23.33 | 23.58 | 23.44 |
|             | 3 Tx Slots | 29.00                             | 27.34        | 27.44        | 27.29        | -4.42            | 24.58                             | 22.92 | 23.02 | 22.87 |
|             | 4 Tx Slots | 27.00                             | 25.07        | 25.27        | 25.13        | -3.18            | 23.82                             | 21.89 | 22.09 | 21.95 |
| EDGE (GMSK) | 1 Tx Slot  | 33.00                             | 31.84        | 32.09        | 31.91        | -9.19            | 23.81                             | 22.65 | 22.90 | 22.72 |
|             | 2 Tx Slots | 31.00                             | 29.52        | 29.67        | 29.52        | -6.13            | 24.87                             | 23.39 | 23.54 | 23.39 |
|             | 3 Tx Slots | 29.00                             | 27.32        | 27.49        | 27.33        | -4.42            | 24.58                             | 22.90 | 23.07 | 22.91 |
|             | 4 Tx Slots | 27.00                             | 25.17        | 25.27        | 25.13        | -3.18            | 23.82                             | 21.99 | 22.09 | 21.95 |
| EDGE (8PSK) | 1 Tx Slot  | 26.50                             | 25.48        | 25.38        | 25.23        | -9.19            | 17.31                             | 16.29 | 16.19 | 16.04 |
|             | 2 Tx Slots | 25.50                             | 23.88        | 23.83        | 23.64        | -6.13            | 19.37                             | 17.75 | 17.70 | 17.51 |
|             | 3 Tx Slots | 23.50                             | 21.79        | 21.85        | 21.64        | -4.42            | 19.08                             | 17.37 | 17.43 | 17.22 |
|             | 4 Tx Slots | 22.50                             | 20.62        | 20.58        | 20.47        | -3.18            | 19.32                             | 17.44 | 17.40 | 17.29 |

Table 13: Test results conducted power measurement of GSM850 (Full Power)

| GSM850      |            | Burst-Averaged output Power (dBm) |              |              |              | Division Factors | Frame-Averaged output Power (dBm) |       |       |       |
|-------------|------------|-----------------------------------|--------------|--------------|--------------|------------------|-----------------------------------|-------|-------|-------|
|             |            | Tune-up Max.                      | 128CH        | 190CH        | 251CH        |                  | Tune-up Max.                      | 128CH | 190CH | 251CH |
| GSM (CS)    |            | 29.50                             | <b>28.14</b> | <b>28.21</b> | <b>28.16</b> | -9.19            | 20.31                             | 18.95 | 19.02 | 18.97 |
| GPRS (GMSK) | 1 Tx Slot  | 29.50                             | 28.11        | 28.31        | 28.08        | -9.19            | 20.31                             | 18.92 | 19.12 | 18.89 |
|             | 2 Tx Slots | 27.50                             | 25.91        | 26.12        | 25.96        | -6.13            | 21.37                             | 19.78 | 19.99 | 19.83 |
|             | 3 Tx Slots | 25.50                             | 23.71        | 23.89        | 23.73        | -4.42            | 21.08                             | 19.29 | 19.47 | 19.31 |
|             | 4 Tx Slots | 23.50                             | 21.36        | 21.61        | 21.53        | -3.18            | 20.32                             | 18.18 | 18.43 | 18.35 |
| EDGE (GMSK) | 1 Tx Slot  | 29.50                             | 28.23        | 28.22        | 28.13        | -9.19            | 20.31                             | 19.04 | 19.03 | 18.94 |
|             | 2 Tx Slots | 27.50                             | 25.95        | 26.06        | 26.03        | -6.13            | 21.37                             | 19.82 | 19.93 | 19.90 |
|             | 3 Tx Slots | 25.50                             | 23.68        | 23.83        | 23.66        | -4.42            | 21.08                             | 19.26 | 19.41 | 19.24 |
|             | 4 Tx Slots | 23.50                             | 21.33        | 21.60        | 21.55        | -3.18            | 20.32                             | 18.15 | 18.42 | 18.37 |
| EDGE (8PSK) | 1 Tx Slot  | 23.00                             | 21.77        | 21.63        | 21.49        | -9.19            | 13.81                             | 12.58 | 12.44 | 12.30 |
|             | 2 Tx Slots | 22.00                             | 20.55        | 20.48        | 20.29        | -6.13            | 15.87                             | 14.42 | 14.35 | 14.16 |
|             | 3 Tx Slots | 20.00                             | 18.23        | 18.25        | 18.06        | -4.42            | 15.58                             | 13.81 | 13.83 | 13.64 |
|             | 4 Tx Slots | 19.00                             | 16.70        | 16.74        | 16.52        | -3.18            | 15.82                             | 13.52 | 13.56 | 13.34 |

Table 14: Test results conducted power measurement of GSM850 (Reduced Power Level D1)

| GSM850      |            | Burst-Averaged output Power (dBm) |              |              |              | Division Factors | Frame-Averaged output Power (dBm) |       |       |       |
|-------------|------------|-----------------------------------|--------------|--------------|--------------|------------------|-----------------------------------|-------|-------|-------|
|             |            | Tune-up Max.                      | 128CH        | 190CH        | 251CH        |                  | Tune-up Max.                      | 128CH | 190CH | 251CH |
|             |            |                                   |              |              |              |                  |                                   |       |       |       |
| GSM (CS)    |            | 30.00                             | 28.70        | 28.77        | 28.61        | -9.19            | 20.81                             | 19.51 | 19.58 | 19.42 |
| GPRS (GMSK) | 1 Tx Slot  | 30.00                             | 28.66        | 28.77        | 28.62        | -9.19            | 20.81                             | 19.47 | 19.58 | 19.43 |
|             | 2 Tx Slots | 28.00                             | <b>26.54</b> | <b>26.62</b> | <b>26.45</b> | -6.13            | 21.87                             | 20.41 | 20.49 | 20.32 |
|             | 3 Tx Slots | 26.00                             | 24.26        | 24.44        | 24.27        | -4.42            | 21.58                             | 19.84 | 20.02 | 19.85 |
|             | 4 Tx Slots | 24.00                             | 21.89        | 22.02        | 21.95        | -3.18            | 20.82                             | 18.71 | 18.84 | 18.77 |
| EDGE (GMSK) | 1 Tx Slot  | 30.00                             | 28.67        | 28.78        | 28.63        | -9.19            | 20.81                             | 19.48 | 19.59 | 19.44 |
|             | 2 Tx Slots | 28.00                             | 26.47        | 26.65        | 26.51        | -6.13            | 21.87                             | 20.34 | 20.52 | 20.38 |
|             | 3 Tx Slots | 26.00                             | 24.34        | 24.40        | 24.25        | -4.42            | 21.58                             | 19.92 | 19.98 | 19.83 |
|             | 4 Tx Slots | 24.00                             | 21.86        | 22.13        | 22.05        | -3.18            | 20.82                             | 18.68 | 18.95 | 18.87 |
| EDGE (8PSK) | 1 Tx Slot  | 23.50                             | 22.20        | 23.34        | 23.12        | -9.19            | 14.31                             | 13.01 | 14.15 | 13.93 |
|             | 2 Tx Slots | 22.50                             | 21.02        | 20.97        | 20.64        | -6.13            | 16.37                             | 14.89 | 14.84 | 14.51 |
|             | 3 Tx Slots | 20.50                             | 18.87        | 18.76        | 18.63        | -4.42            | 16.08                             | 14.45 | 14.34 | 14.21 |
|             | 4 Tx Slots | 19.50                             | 17.56        | 17.62        | 17.42        | -3.18            | 16.32                             | 14.38 | 14.44 | 14.24 |

Table 15: Test results conducted power measurement of GSM850 (Reduced Power Level D2)

| GSM850      |            | Burst-Averaged output Power (dBm) |       |       |       | Division Factors | Frame-Averaged output Power (dBm) |       |       |       |
|-------------|------------|-----------------------------------|-------|-------|-------|------------------|-----------------------------------|-------|-------|-------|
|             |            | Tune-up                           | 128CH | 190CH | 251CH |                  | Tune-up                           | 128CH | 190CH | 251CH |
|             |            | Max.                              |       |       |       |                  | Max.                              |       |       |       |
| GSM (CS)    |            | 26.50                             | 25.10 | 25.27 | 25.09 | -9.19            | 17.31                             | 15.91 | 16.08 | 15.90 |
| GPRS (GMSK) | 1 Tx Slot  | 26.50                             | 25.15 | 25.26 | 25.09 | -9.19            | 17.31                             | 15.96 | 16.07 | 15.90 |
|             | 2 Tx Slots | 24.50                             | 22.96 | 23.13 | 22.94 | -6.13            | 18.37                             | 16.83 | 17.00 | 16.81 |
|             | 3 Tx Slots | 22.50                             | 20.51 | 20.78 | 20.70 | -4.42            | 18.08                             | 16.09 | 16.36 | 16.28 |
|             | 4 Tx Slots | 20.50                             | 18.27 | 18.55 | 18.46 | -3.18            | 17.32                             | 15.09 | 15.37 | 15.28 |
| EDGE (GMSK) | 1 Tx Slot  | 26.50                             | 25.21 | 25.26 | 25.02 | -9.19            | 17.31                             | 16.02 | 16.07 | 15.83 |
|             | 2 Tx Slots | 24.50                             | 22.99 | 23.07 | 22.90 | -6.13            | 18.37                             | 16.86 | 16.94 | 16.77 |
|             | 3 Tx Slots | 22.50                             | 20.60 | 20.75 | 20.65 | -4.42            | 18.08                             | 16.18 | 16.33 | 16.23 |
|             | 4 Tx Slots | 20.50                             | 18.36 | 18.54 | 18.46 | -3.18            | 17.32                             | 15.18 | 15.36 | 15.28 |
| EDGE (8PSK) | 1 Tx Slot  | 20.00                             | 18.77 | 18.60 | 18.45 | -9.19            | 10.81                             | 9.58  | 9.41  | 9.26  |
|             | 2 Tx Slots | 19.00                             | 17.07 | 17.02 | 16.85 | -6.13            | 12.87                             | 10.94 | 10.89 | 10.72 |
|             | 3 Tx Slots | 17.00                             | 15.05 | 14.99 | 14.81 | -4.42            | 12.58                             | 10.63 | 10.57 | 10.39 |
|             | 4 Tx Slots | 16.00                             | 13.93 | 13.94 | 13.76 | -3.18            | 12.82                             | 10.75 | 10.76 | 10.58 |

Table 16: Test results conducted power measurement of GSM850 (Reduced Power Level D3)

Note:

- 1) The Conducted power measurements of GSM850 is measured with RMS detector.
- 2) Frame-averaged output power was calculated from the measured burst-averaged output power by converting the slot powers into linear units and calculating the energy over 8 timeslots.
- 3) The bolded GPRS 2 Tx Slots mode was selected for SAR testing according to the highest frame-averaged output power.

### 7.1.2 Conducted power measurements of GSM850(Main antenna)

| GSM850      |            | Burst-Averaged output Power (dBm) |              |              |              | Division Factors | Frame-Averaged output Power (dBm) |       |       |       |
|-------------|------------|-----------------------------------|--------------|--------------|--------------|------------------|-----------------------------------|-------|-------|-------|
|             |            | Tune-up                           | 128CH        | 190CH        | 251CH        |                  | Tune-up                           | 128CH | 190CH | 251CH |
|             |            | Max.                              |              |              |              |                  | Max.                              |       |       |       |
| GSM (CS)    |            | 33.50                             | <b>32.24</b> | <b>32.61</b> | <b>32.78</b> | -9.19            | 24.31                             | 23.05 | 23.42 | 23.59 |
| GPRS (GMSK) | 1 Tx Slot  | 33.50                             | 32.26        | 32.54        | 32.82        | -9.19            | 24.31                             | 23.07 | 23.35 | 23.63 |
|             | 2 Tx Slots | 31.50                             | <b>29.89</b> | <b>30.20</b> | <b>30.34</b> | -6.13            | 25.37                             | 23.76 | 24.07 | 24.21 |
|             | 3 Tx Slots | 29.50                             | 27.62        | 27.89        | 28.09        | -4.42            | 25.08                             | 23.20 | 23.47 | 23.67 |
|             | 4 Tx Slots | 27.50                             | 25.32        | 25.75        | 25.82        | -3.18            | 24.32                             | 22.14 | 22.57 | 22.64 |
| EDGE (GMSK) | 1 Tx Slot  | 33.50                             | 32.33        | 32.63        | 32.80        | -9.19            | 24.31                             | 23.14 | 23.44 | 23.61 |
|             | 2 Tx Slots | 31.50                             | 29.88        | 30.19        | 30.33        | -6.13            | 25.37                             | 23.75 | 24.06 | 24.20 |
|             | 3 Tx Slots | 29.50                             | 27.64        | 27.91        | 28.01        | -4.42            | 25.08                             | 23.22 | 23.49 | 23.59 |
|             | 4 Tx Slots | 27.50                             | 25.34        | 25.71        | 25.82        | -3.18            | 24.32                             | 22.16 | 22.53 | 22.64 |
| EDGE (8PSK) | 1 Tx Slot  | 27.00                             | 25.82        | 25.91        | 25.97        | -9.19            | 17.81                             | 16.63 | 16.72 | 16.78 |
|             | 2 Tx Slots | 26.00                             | 24.09        | 24.32        | 24.35        | -6.13            | 19.87                             | 17.96 | 18.19 | 18.22 |
|             | 3 Tx Slots | 24.00                             | 22.07        | 22.20        | 22.21        | -4.42            | 19.58                             | 17.65 | 17.78 | 17.79 |
|             | 4 Tx Slots | 23.00                             | 20.81        | 21.01        | 21.03        | -3.18            | 19.82                             | 17.63 | 17.83 | 17.85 |

Table 17: Test results conducted power measurement of GSM850

Note:

- 1) The Conducted power measurements of GSM850 is measured with RMS detector.
- 2) Frame-averaged output power was calculated from the measured burst-averaged output power by converting the slot powers into linear units and calculating the energy over 8 timeslots.
- 3) The bolded GPRS 2 Tx Slots mode was selected for SAR testing according to the highest frame-averaged output power.

### 7.1.3 Conducted power measurements of GSM1900(Second antenna)

| GSM1900     |            | Burst-Averaged output Power (dBm) |              |              |              | Division Factors | Frame-Averaged output Power (dBm) |       |       |       |
|-------------|------------|-----------------------------------|--------------|--------------|--------------|------------------|-----------------------------------|-------|-------|-------|
|             |            | Tune-up                           | 512CH        | 661CH        | 810CH        |                  | Tune-up                           | 512CH | 661CH | 810CH |
|             |            | Max.                              |              |              |              |                  | Max.                              |       |       |       |
| GSM (CS)    |            | 29.50                             | <b>29.11</b> | <b>29.12</b> | <b>29.24</b> | -9.19            | 20.31                             | 19.92 | 19.93 | 20.05 |
| GPRS (GMSK) | 1 Tx Slot  | 29.50                             | 29.07        | 29.11        | 29.25        | -9.19            | 20.31                             | 19.88 | 19.92 | 20.06 |
|             | 2 Tx Slots | 27.50                             | 26.56        | 26.75        | 26.98        | -6.13            | 21.37                             | 20.43 | 20.62 | 20.85 |
|             | 3 Tx Slots | 25.50                             | 24.44        | 24.51        | 24.72        | -4.42            | 21.08                             | 20.02 | 20.09 | 20.30 |
|             | 4 Tx Slots | 23.50                             | 22.33        | 22.49        | 22.70        | -3.18            | 20.32                             | 19.15 | 19.31 | 19.52 |
| EDGE (GMSK) | 1 Tx Slot  | 29.50                             | 29.03        | 29.19        | 29.24        | -9.19            | 20.31                             | 19.84 | 20.00 | 20.05 |
|             | 2 Tx Slots | 27.50                             | 26.55        | 26.73        | 26.97        | -6.13            | 21.37                             | 20.42 | 20.60 | 20.84 |
|             | 3 Tx Slots | 25.50                             | 24.42        | 24.50        | 24.72        | -4.42            | 21.08                             | 20.00 | 20.08 | 20.30 |
|             | 4 Tx Slots | 23.50                             | 22.32        | 22.49        | 22.68        | -3.18            | 20.32                             | 19.14 | 19.31 | 19.50 |
| EDGE (8PSK) | 1 Tx Slot  | 25.00                             | 23.95        | 24.08        | 24.46        | -9.19            | 15.81                             | 14.76 | 14.89 | 15.27 |
|             | 2 Tx Slots | 24.00                             | 22.69        | 22.88        | 23.22        | -6.13            | 17.87                             | 16.56 | 16.75 | 17.09 |
|             | 3 Tx Slots | 22.00                             | 20.65        | 20.81        | 21.16        | -4.42            | 17.58                             | 16.23 | 16.39 | 16.74 |
|             | 4 Tx Slots | 21.00                             | 19.56        | 19.71        | 20.04        | -3.18            | 17.82                             | 16.38 | 16.53 | 16.86 |

Table 18: Test results conducted power measurement of GSM1900 (Full Power)

| GSM1900     |            | Burst-Averaged output Power (dBm) |       |       |       | Division Factors | Frame-Averaged output Power (dBm) |       |       |       |
|-------------|------------|-----------------------------------|-------|-------|-------|------------------|-----------------------------------|-------|-------|-------|
|             |            | Tune-up                           | 512CH | 661CH | 810CH |                  | Tune-up                           | 512CH | 661CH | 810CH |
|             |            | Max.                              |       |       |       |                  | Max.                              |       |       |       |
| GSM (CS)    |            | 26.50                             | 25.52 | 25.67 | 25.89 | -9.19            | 17.31                             | 16.33 | 16.48 | 16.70 |
| GPRS (GMSK) | 1 Tx Slot  | 26.50                             | 25.56 | 25.65 | 25.89 | -9.19            | 17.31                             | 16.37 | 16.46 | 16.70 |
|             | 2 Tx Slots | 24.50                             | 23.47 | 23.52 | 23.73 | -6.13            | 18.37                             | 17.34 | 17.39 | 17.60 |
|             | 3 Tx Slots | 22.50                             | 21.38 | 21.51 | 21.73 | -4.42            | 18.08                             | 16.96 | 17.09 | 17.31 |
|             | 4 Tx Slots | 20.50                             | 19.33 | 19.58 | 19.92 | -3.18            | 17.32                             | 16.15 | 16.40 | 16.74 |
| EDGE (GMSK) | 1 Tx Slot  | 26.50                             | 25.62 | 25.75 | 25.90 | -9.19            | 17.31                             | 16.43 | 16.56 | 16.71 |
|             | 2 Tx Slots | 24.50                             | 23.45 | 23.50 | 23.82 | -6.13            | 18.37                             | 17.32 | 17.37 | 17.69 |
|             | 3 Tx Slots | 22.50                             | 21.35 | 21.51 | 21.72 | -4.42            | 18.08                             | 16.93 | 17.09 | 17.30 |
|             | 4 Tx Slots | 20.50                             | 19.33 | 19.60 | 19.91 | -3.18            | 17.32                             | 16.15 | 16.42 | 16.73 |
| EDGE (8PSK) | 1 Tx Slot  | 22.00                             | 20.84 | 20.96 | 21.23 | -9.19            | 12.81                             | 11.65 | 11.77 | 12.04 |
|             | 2 Tx Slots | 21.00                             | 19.68 | 19.86 | 20.19 | -6.13            | 14.87                             | 13.55 | 13.73 | 14.06 |
|             | 3 Tx Slots | 19.00                             | 17.67 | 17.83 | 18.15 | -4.42            | 14.58                             | 13.25 | 13.41 | 13.73 |
|             | 4 Tx Slots | 18.00                             | 16.47 | 16.65 | 17.06 | -3.18            | 14.82                             | 13.29 | 13.47 | 13.88 |

Table 19: Test results conducted power measurement of GSM1900 (Reduced Power Level D1)

| GSM1900        |            | Burst-Averaged output Power (dBm) |              |              |              | Division Factors | Frame-Averaged output Power (dBm) |       |       |       |
|----------------|------------|-----------------------------------|--------------|--------------|--------------|------------------|-----------------------------------|-------|-------|-------|
|                |            | Tune-up                           | 512CH        | 661CH        | 810CH        |                  | Tune-up                           | 512CH | 661CH | 810CH |
|                |            | Max.                              |              |              |              |                  | Max.                              |       |       |       |
| GSM (CS)       |            | 25.00                             | 24.01        | 24.17        | 24.37        | -9.19            | 15.81                             | 14.82 | 14.98 | 15.18 |
| GPRS<br>(GMSK) | 1 Tx Slot  | 25.00                             | 23.97        | 24.16        | 24.28        | -9.19            | 15.81                             | 14.78 | 14.97 | 15.09 |
|                | 2 Tx Slots | 23.00                             | <b>21.97</b> | <b>22.04</b> | <b>22.25</b> | -6.13            | 16.87                             | 15.84 | 15.91 | 16.12 |
|                | 3 Tx Slots | 21.00                             | 19.86        | 20.00        | 20.21        | -4.42            | 16.58                             | 15.44 | 15.58 | 15.79 |
|                | 4 Tx Slots | 19.00                             | 17.93        | 18.19        | 18.39        | -3.18            | 15.82                             | 14.75 | 15.01 | 15.21 |
| EDGE<br>(GMSK) | 1 Tx Slot  | 25.00                             | 24.06        | 24.15        | 24.38        | -9.19            | 15.81                             | 14.87 | 14.96 | 15.19 |
|                | 2 Tx Slots | 23.00                             | 21.94        | 22.02        | 22.23        | -6.13            | 16.87                             | 15.81 | 15.89 | 16.10 |
|                | 3 Tx Slots | 21.00                             | 19.85        | 19.99        | 20.20        | -4.42            | 16.58                             | 15.43 | 15.57 | 15.78 |
|                | 4 Tx Slots | 19.00                             | 17.91        | 18.18        | 18.39        | -3.18            | 15.82                             | 14.73 | 15.00 | 15.21 |
| EDGE<br>(8PSK) | 1 Tx Slot  | 20.50                             | 19.34        | 19.45        | 19.18        | -9.19            | 11.31                             | 10.15 | 10.26 | 9.99  |
|                | 2 Tx Slots | 19.50                             | 19.27        | 18.45        | 19.43        | -6.13            | 13.37                             | 13.14 | 12.32 | 13.30 |
|                | 3 Tx Slots | 17.50                             | 17.18        | 17.34        | 17.46        | -4.42            | 13.08                             | 12.76 | 12.92 | 13.04 |
|                | 4 Tx Slots | 16.50                             | 15.09        | 15.97        | 15.57        | -3.18            | 13.32                             | 11.91 | 12.79 | 12.39 |

Table 20: Test results conducted power measurement of GSM1900 (Reduced Power Level D2)

| GSM1900     |            | Burst-Averaged output Power (dBm) |       |       |       | Division Factors | Frame-Averaged output Power (dBm) |       |       |       |
|-------------|------------|-----------------------------------|-------|-------|-------|------------------|-----------------------------------|-------|-------|-------|
|             |            | Tune-up Max.                      | 512CH | 661CH | 810CH |                  | Tune-up Max.                      | 512CH | 661CH | 810CH |
| GSM (CS)    |            | 22.00                             | 20.97 | 20.99 | 21.19 | -9.19            | 12.81                             | 11.78 | 11.80 | 12.00 |
| GPRS (GMSK) | 1 Tx Slot  | 22.00                             | 20.91 | 20.98 | 21.19 | -9.19            | 12.81                             | 11.72 | 11.79 | 12.00 |
|             | 2 Tx Slots | 20.00                             | 18.99 | 19.23 | 19.43 | -6.13            | 13.87                             | 12.86 | 13.10 | 13.30 |
|             | 3 Tx Slots | 18.00                             | 16.91 | 17.16 | 17.46 | -4.42            | 13.58                             | 12.49 | 12.74 | 13.04 |
|             | 4 Tx Slots | 16.00                             | 14.81 | 15.05 | 15.34 | -3.18            | 12.82                             | 11.63 | 11.87 | 12.16 |
| EDGE (GMSK) | 1 Tx Slot  | 22.00                             | 20.97 | 21.07 | 21.19 | -9.19            | 12.81                             | 11.78 | 11.88 | 12.00 |
|             | 2 Tx Slots | 20.00                             | 18.97 | 19.20 | 19.43 | -6.13            | 13.87                             | 12.84 | 13.07 | 13.30 |
|             | 3 Tx Slots | 18.00                             | 16.88 | 17.15 | 17.45 | -4.42            | 13.58                             | 12.46 | 12.73 | 13.03 |
|             | 4 Tx Slots | 16.00                             | 14.80 | 15.04 | 15.31 | -3.18            | 12.82                             | 11.62 | 11.86 | 12.13 |
| EDGE (8PSK) | 1 Tx Slot  | 17.50                             | 16.38 | 16.49 | 16.85 | -9.19            | 8.31                              | 7.19  | 7.30  | 7.66  |
|             | 2 Tx Slots | 16.50                             | 15.30 | 16.50 | 15.80 | -6.13            | 10.37                             | 9.17  | 10.37 | 9.67  |
|             | 3 Tx Slots | 14.50                             | 13.16 | 13.41 | 13.74 | -4.42            | 10.08                             | 8.74  | 8.99  | 9.32  |
|             | 4 Tx Slots | 13.50                             | 12.06 | 12.66 | 12.65 | -3.18            | 10.32                             | 8.88  | 9.48  | 9.47  |

Table 21: Test results conducted power measurement of GSM1900 (Reduced Power Level D3)

Note:

- 1) The Conducted power measurements of GSM1900 is measured with RMS detector.
- 2) Frame-averaged output power was calculated from the measured burst-averaged output power by converting the slot powers into linear units and calculating the energy over 8 timeslots.
- 3) The bolded GPRS 2 Tx Slots mode was selected for SAR testing according to the highest frame-averaged output power.

#### 7.1.4 Conducted power measurements of GSM1900(Main antenna)

| GSM1900     |            | Burst-Averaged output Power (dBm) |              |              |              | Division Factors | Frame-Averaged output Power (dBm) |       |       |       |
|-------------|------------|-----------------------------------|--------------|--------------|--------------|------------------|-----------------------------------|-------|-------|-------|
|             |            | Tune-up Max.                      | 512CH        | 661CH        | 810CH        |                  | Tune-up Max.                      | 512CH | 661CH | 810CH |
| GSM (CS)    |            | 30.50                             | <b>30.49</b> | <b>30.46</b> | <b>30.42</b> | -9.19            | 21.31                             | 21.30 | 21.27 | 21.23 |
| GPRS (GMSK) | 1 Tx Slot  | 30.50                             | 30.49        | 30.44        | 30.38        | -9.19            | 21.31                             | 21.30 | 21.25 | 21.19 |
|             | 2 Tx Slots | 28.50                             | 27.87        | 28.00        | 28.15        | -6.13            | 22.37                             | 21.74 | 21.87 | 22.02 |
|             | 3 Tx Slots | 26.50                             | 25.60        | 25.76        | 25.88        | -4.42            | 22.08                             | 21.18 | 21.34 | 21.46 |
|             | 4 Tx Slots | 24.50                             | 23.65        | 23.71        | 23.77        | -3.18            | 21.32                             | 20.47 | 20.53 | 20.59 |
| EDGE (GMSK) | 1 Tx Slot  | 30.50                             | 30.48        | 30.44        | 30.39        | -9.19            | 21.31                             | 21.29 | 21.25 | 21.20 |
|             | 2 Tx Slots | 28.50                             | 27.84        | 28.02        | 28.02        | -6.13            | 22.37                             | 21.71 | 21.89 | 21.89 |
|             | 3 Tx Slots | 26.50                             | 25.59        | 25.77        | 25.84        | -4.42            | 22.08                             | 21.17 | 21.35 | 21.42 |
|             | 4 Tx Slots | 24.50                             | 23.55        | 23.70        | 23.75        | -3.18            | 21.32                             | 20.37 | 20.52 | 20.57 |
| EDGE (8PSK) | 1 Tx Slot  | 26.00                             | 25.03        | 25.28        | 25.42        | -9.19            | 16.81                             | 15.84 | 16.09 | 16.23 |
|             | 2 Tx Slots | 25.00                             | 23.83        | 24.03        | 24.31        | -6.13            | 18.87                             | 17.70 | 17.90 | 18.18 |
|             | 3 Tx Slots | 23.00                             | 21.70        | 21.91        | 22.12        | -4.42            | 18.58                             | 17.28 | 17.49 | 17.70 |
|             | 4 Tx Slots | 22.00                             | 20.67        | 20.86        | 20.95        | -3.18            | 18.82                             | 17.49 | 17.68 | 17.77 |

Table 22: Test results conducted power measurement of GSM1900 (Full Power)

| GSM1900     |            | Burst-Averaged output Power (dBm) |              |              |              | Division Factors | Frame-Averaged output Power (dBm) |       |       |       |
|-------------|------------|-----------------------------------|--------------|--------------|--------------|------------------|-----------------------------------|-------|-------|-------|
|             |            | Tune-up Max.                      | 512CH        | 661CH        | 810CH        |                  | Tune-up Max.                      | 512CH | 661CH | 810CH |
|             |            |                                   |              |              |              |                  |                                   |       |       |       |
| GSM (CS)    |            | 30.00                             | 29.78        | 29.99        | 29.92        | -9.19            | 20.81                             | 20.59 | 20.80 | 20.73 |
| GPRS (GMSK) | 1 Tx Slot  | 30.00                             | 29.80        | 29.90        | 29.92        | -9.19            | 20.81                             | 20.61 | 20.71 | 20.73 |
|             | 2 Tx Slots | 28.00                             | <b>27.66</b> | <b>27.83</b> | <b>27.87</b> | -6.13            | 21.87                             | 21.53 | 21.70 | 21.74 |
|             | 3 Tx Slots | 26.00                             | 25.44        | 25.72        | 25.75        | -4.42            | 21.58                             | 21.02 | 21.30 | 21.33 |
|             | 4 Tx Slots | 24.00                             | 23.35        | 23.61        | 23.65        | -3.18            | 20.82                             | 20.17 | 20.43 | 20.47 |
| EDGE (GMSK) | 1 Tx Slot  | 30.00                             | 29.87        | 29.97        | 29.88        | -9.19            | 20.81                             | 20.68 | 20.78 | 20.69 |
|             | 2 Tx Slots | 28.00                             | 27.63        | 27.91        | 27.96        | -6.13            | 21.87                             | 21.50 | 21.78 | 21.83 |
|             | 3 Tx Slots | 26.00                             | 25.43        | 25.69        | 25.73        | -4.42            | 21.58                             | 21.01 | 21.27 | 21.31 |
|             | 4 Tx Slots | 24.00                             | 23.34        | 23.61        | 23.63        | -3.18            | 20.82                             | 20.16 | 20.43 | 20.45 |
| EDGE (8PSK) | 1 Tx Slot  | 25.50                             | 24.94        | 25.28        | 25.39        | -9.19            | 16.31                             | 15.75 | 16.09 | 16.20 |
|             | 2 Tx Slots | 24.50                             | 23.72        | 24.02        | 24.10        | -6.13            | 18.37                             | 17.59 | 17.89 | 17.97 |
|             | 3 Tx Slots | 22.50                             | 21.61        | 21.89        | 22.05        | -4.42            | 18.08                             | 17.19 | 17.47 | 17.63 |
|             | 4 Tx Slots | 21.50                             | 20.54        | 20.82        | 20.98        | -3.18            | 18.32                             | 17.36 | 17.64 | 17.80 |

Table 23: Test results conducted power measurement of GSM1900 (Reduced Power Level D3/D4/D5/D6)

Note:

- 1) The Conducted power measurements of GSM1900 is measured with RMS detector.
- 2) Frame-averaged output power was calculated from the measured burst-averaged output power by converting the slot powers into linear units and calculating the energy over 8 timeslots.
- 3) The bolded GPRS 2 Tx Slots mode was selected for SAR testing according to the highest frame-averaged output power.

#### 7.1.5 Conducted power measurements of UMTS Band II(Second antenna)

| UMTS Band II |              | Tune-up | Average Power (dBm) |              |              |
|--------------|--------------|---------|---------------------|--------------|--------------|
|              |              | Max.    | 9262CH              | 9400CH       | 9538CH       |
| WCDMA        | 12.2kbps RMC | 21.00   | <b>20.08</b>        | <b>20.12</b> | <b>19.98</b> |
|              | 12.2kbps AMR | 21.00   | 20.19               | 20.10        | 20.00        |
| HSDPA        | Subtest 1    | 21.00   | 19.55               | 19.60        | 19.49        |
|              | Subtest 2    | 21.00   | 18.91               | 18.82        | 18.68        |
|              | Subtest 3    | 20.50   | 18.76               | 18.72        | 18.56        |
|              | Subtest 4    | 20.50   | 18.77               | 18.70        | 18.57        |
| HSUPA        | Subtest 1    | 20.50   | 18.12               | 17.86        | 18.20        |
|              | Subtest 2    | 18.50   | 16.08               | 15.84        | 15.46        |
|              | Subtest 3    | 19.50   | 16.71               | 16.34        | 16.23        |
|              | Subtest 4    | 19.00   | 15.88               | 15.88        | 15.76        |
|              | Subtest 5    | 20.00   | 18.09               | 18.13        | 18.02        |
| DC-HSDPA     | Subtest 1    | 21.00   | 19.56               | 19.61        | 19.48        |
|              | Subtest 2    | 21.00   | 18.89               | 18.82        | 18.71        |
|              | Subtest 3    | 20.50   | 18.77               | 18.70        | 18.58        |
|              | Subtest 4    | 20.50   | 18.75               | 18.73        | 18.59        |

Table 24: Test results conducted power measurement of UMTS Band II (Full Power)



| UMTS Band II |              | Tune-up | Average Power (dBm) |              |              |
|--------------|--------------|---------|---------------------|--------------|--------------|
|              |              | Max.    | 9262CH              | 9400CH       | 9538CH       |
| WCDMA        | 12.2kbps RMC | 16.00   | <b>15.11</b>        | <b>15.08</b> | <b>14.99</b> |
|              | 12.2kbps AMR | 16.00   | 15.21               | 15.09        | 14.98        |
| HSDPA        | Subtest 1    | 16.00   | 15.15               | 14.61        | 14.39        |
|              | Subtest 2    | 16.00   | 14.42               | 13.94        | 13.91        |
|              | Subtest 3    | 15.50   | 14.23               | 13.65        | 13.47        |
|              | Subtest 4    | 15.50   | 14.26               | 13.68        | 13.48        |
| HSUPA        | Subtest 1    | 15.50   | 13.26               | 13.05        | 12.74        |
|              | Subtest 2    | 13.50   | 11.40               | 10.32        | 10.02        |
|              | Subtest 3    | 14.50   | 12.01               | 11.68        | 11.61        |
|              | Subtest 4    | 14.00   | 11.17               | 10.30        | 10.10        |
|              | Subtest 5    | 15.00   | 13.94               | 13.25        | 13.13        |
| DC-HSDPA     | Subtest 1    | 16.00   | 15.24               | 14.61        | 14.38        |
|              | Subtest 2    | 16.00   | 14.38               | 13.91        | 13.90        |
|              | Subtest 3    | 15.50   | 14.22               | 13.65        | 13.56        |
|              | Subtest 4    | 15.50   | 14.24               | 13.69        | 13.59        |

Table 25: Test results conducted power measurement of UMTS Band II (Reduced Power Level D1)

| UMTS Band II |              | Tune-up | Average Power (dBm) |              |              |
|--------------|--------------|---------|---------------------|--------------|--------------|
|              |              | Max.    | 9262CH              | 9400CH       | 9538CH       |
| WCDMA        | 12.2kbps RMC | 17.00   | <b>16.23</b>        | <b>16.13</b> | <b>16.00</b> |
|              | 12.2kbps AMR | 17.00   | 16.21               | 16.14        | 15.97        |
| HSDPA        | Subtest 1    | 17.00   | 15.70               | 15.61        | 15.51        |
|              | Subtest 2    | 17.00   | 14.89               | 14.80        | 14.71        |
|              | Subtest 3    | 16.50   | 14.80               | 14.71        | 14.59        |
|              | Subtest 4    | 16.50   | 14.78               | 14.74        | 14.57        |
| HSUPA        | Subtest 1    | 16.50   | 14.15               | 13.72        | 13.81        |
|              | Subtest 2    | 14.50   | 12.26               | 11.09        | 10.98        |
|              | Subtest 3    | 15.50   | 13.00               | 12.68        | 12.38        |
|              | Subtest 4    | 15.00   | 12.03               | 11.18        | 11.10        |
|              | Subtest 5    | 16.00   | 14.78               | 14.24        | 14.22        |
| DC-HSDPA     | Subtest 1    | 17.00   | 15.66               | 15.62        | 15.52        |
|              | Subtest 2    | 17.00   | 14.88               | 14.82        | 14.69        |
|              | Subtest 3    | 16.50   | 14.81               | 14.74        | 14.60        |
|              | Subtest 4    | 16.50   | 14.81               | 14.71        | 14.58        |

Table 26: Test results conducted power measurement of UMTS Band II (Reduced Power Level D2)

| UMTS Band II |              | Tune-up | Average Power (dBm) |        |        |
|--------------|--------------|---------|---------------------|--------|--------|
|              |              | Max.    | 9262CH              | 9400CH | 9538CH |
| WCDMA        | 12.2kbps RMC | 12.00   | 12.00               | 11.42  | 11.40  |
|              | 12.2kbps AMR | 12.00   | 11.93               | 11.50  | 11.59  |
| HSDPA        | Subtest 1    | 12.00   | 11.40               | 10.84  | 10.82  |
|              | Subtest 2    | 12.00   | 10.70               | 10.16  | 10.16  |
|              | Subtest 3    | 11.50   | 10.40               | 9.88   | 9.90   |
|              | Subtest 4    | 11.50   | 10.54               | 9.91   | 9.90   |
| HSUPA        | Subtest 1    | 11.50   | 11.27               | 10.11  | 10.85  |
|              | Subtest 2    | 9.50    | 7.61                | 6.51   | 6.30   |
|              | Subtest 3    | 10.50   | 8.31                | 8.02   | 7.93   |
|              | Subtest 4    | 10.00   | 7.37                | 6.58   | 6.47   |
|              | Subtest 5    | 11.00   | 10.93               | 10.83  | 10.91  |
| DC-HSDPA     | Subtest 1    | 12.00   | 11.39               | 10.84  | 10.82  |
|              | Subtest 2    | 12.00   | 10.68               | 10.13  | 10.15  |
|              | Subtest 3    | 11.50   | 10.50               | 9.88   | 9.98   |
|              | Subtest 4    | 11.50   | 10.51               | 9.92   | 10.02  |

Table 27: Test results conducted power measurement of UMTS Band II (Reduced Power Level D3)

Note:

- 1) The bolded 12.2kbps RMC mode was selected for SAR testing.
- 2) When maximum output of each RF channel with HSDPA/HSUPA/DC-HSDPA active is  $\leq \frac{1}{4}$  dB higher than without HSDPA/HSUPA/DC-HSDPA using 12.2 kbps RMC or maximum SAR for 12.2 kbps RMC is  $\leq 75\%$  of SAR limit, SAR evaluation for HSDPA/HSUPA/DC-HSDPA is not required.

#### 7.1.6 Conducted power measurements of UMTS Band II(Main antenna)

| UMTS Band II |              | Tune-up | Average Power (dBm) |              |              |
|--------------|--------------|---------|---------------------|--------------|--------------|
|              |              | Max.    | 9262CH              | 9400CH       | 9538CH       |
| WCDMA        | 12.2kbps RMC | 24.50   | <b>23.48</b>        | <b>23.38</b> | <b>23.21</b> |
|              | 12.2kbps AMR | 24.50   | 23.47               | 23.33        | 23.25        |
| HSDPA        | Subtest 1    | 24.50   | 22.98               | 22.86        | 22.74        |
|              | Subtest 2    | 24.50   | 22.16               | 22.04        | 21.91        |
|              | Subtest 3    | 24.00   | 21.68               | 21.57        | 21.39        |
|              | Subtest 4    | 24.00   | 21.66               | 21.56        | 21.38        |
| HSUPA        | Subtest 1    | 24.00   | 21.75               | 21.55        | 21.32        |
|              | Subtest 2    | 22.00   | 18.96               | 18.88        | 18.26        |
|              | Subtest 3    | 23.00   | 19.71               | 19.63        | 20.15        |
|              | Subtest 4    | 22.50   | 19.21               | 19.04        | 19.30        |
|              | Subtest 5    | 23.50   | 21.46               | 21.31        | 21.20        |
| DC-HSDPA     | Subtest 1    | 24.50   | 23.05               | 22.96        | 22.81        |
|              | Subtest 2    | 24.50   | 22.32               | 22.25        | 22.13        |
|              | Subtest 3    | 24.00   | 21.58               | 21.69        | 21.74        |
|              | Subtest 4    | 24.00   | 21.71               | 21.55        | 21.69        |

Table 28: Test results conducted power measurement of UMTS Band II (Full Power)

| UMTS Band II |              | Tune-up | Average Power (dBm) |        |        |
|--------------|--------------|---------|---------------------|--------|--------|
|              |              | Max.    | 9262CH              | 9400CH | 9538CH |
| WCDMA        | 12.2kbps RMC | 22.50   | 21.68               | 21.58  | 21.49  |
|              | 12.2kbps AMR | 22.50   | 21.79               | 21.61  | 21.49  |
| HSDPA        | Subtest 1    | 22.50   | 21.16               | 21.10  | 21.00  |
|              | Subtest 2    | 22.50   | 20.39               | 20.29  | 20.19  |
|              | Subtest 3    | 22.00   | 20.30               | 20.18  | 20.07  |
|              | Subtest 4    | 22.00   | 20.37               | 20.20  | 20.06  |
| HSUPA        | Subtest 1    | 22.00   | 20.22               | 19.41  | 19.35  |
|              | Subtest 2    | 20.00   | 17.35               | 17.20  | 17.17  |
|              | Subtest 3    | 21.00   | 17.95               | 17.90  | 18.07  |
|              | Subtest 4    | 20.50   | 17.27               | 17.43  | 17.39  |
|              | Subtest 5    | 21.50   | 19.76               | 19.57  | 19.48  |
| DC-HSDPA     | Subtest 1    | 22.50   | 21.15               | 21.05  | 21.00  |
|              | Subtest 2    | 22.50   | 20.42               | 20.28  | 20.19  |
|              | Subtest 3    | 22.00   | 20.35               | 20.15  | 20.09  |
|              | Subtest 4    | 22.00   | 20.35               | 20.18  | 20.08  |

Table 29: Test results conducted power measurement of UMTS Band II (Reduced Power Level D1)

| UMTS Band II |              | Tune-up | Average Power (dBm) |              |              |
|--------------|--------------|---------|---------------------|--------------|--------------|
|              |              | Max.    | 9262CH              | 9400CH       | 9538CH       |
| WCDMA        | 12.2kbps RMC | 22.00   | <b>21.18</b>        | <b>21.18</b> | <b>21.06</b> |
|              | 12.2kbps AMR | 22.00   | 21.38               | 21.19        | 21.08        |
| HSDPA        | Subtest 1    | 22.00   | 20.75               | 20.67        | 20.55        |
|              | Subtest 2    | 22.00   | 19.98               | 19.90        | 19.78        |
|              | Subtest 3    | 21.50   | 19.93               | 19.78        | 19.67        |
|              | Subtest 4    | 21.50   | 19.95               | 19.77        | 19.69        |
| HSUPA        | Subtest 1    | 21.50   | 19.83               | 19.00        | 18.93        |
|              | Subtest 2    | 19.50   | 16.82               | 16.78        | 16.75        |
|              | Subtest 3    | 20.50   | 17.55               | 17.59        | 17.56        |
|              | Subtest 4    | 20.00   | 16.86               | 17.14        | 16.99        |
|              | Subtest 5    | 21.00   | 19.38               | 19.20        | 19.07        |
| DC-HSDPA     | Subtest 1    | 22.00   | 20.76               | 20.71        | 20.55        |
|              | Subtest 2    | 22.00   | 20.03               | 19.88        | 19.77        |
|              | Subtest 3    | 21.50   | 19.93               | 19.81        | 19.71        |
|              | Subtest 4    | 21.50   | 19.94               | 19.77        | 19.65        |

Table 30: Test results conducted power measurement of UMTS Band II (Reduced Power Level D3/D5/D6)

| UMTS Band II |              | Tune-up | Average Power (dBm) |        |        |
|--------------|--------------|---------|---------------------|--------|--------|
|              |              | Max.    | 9262CH              | 9400CH | 9538CH |
| WCDMA        | 12.2kbps RMC | 20.00   | 19.11               | 19.12  | 19.03  |
|              | 12.2kbps AMR | 20.00   | 19.08               | 19.11  | 19.05  |
| HSDPA        | Subtest 1    | 20.00   | 18.72               | 18.59  | 18.49  |
|              | Subtest 2    | 20.00   | 17.99               | 17.80  | 17.67  |
|              | Subtest 3    | 19.50   | 17.86               | 17.71  | 17.58  |
|              | Subtest 4    | 19.50   | 17.85               | 17.68  | 17.55  |
| HSUPA        | Subtest 1    | 19.50   | 16.84               | 16.94  | 16.77  |
|              | Subtest 2    | 17.50   | 14.67               | 14.75  | 14.72  |
|              | Subtest 3    | 18.50   | 15.52               | 15.42  | 15.52  |
|              | Subtest 4    | 18.00   | 14.69               | 14.99  | 14.73  |
|              | Subtest 5    | 19.00   | 17.28               | 17.09  | 16.98  |
| DC-HSDPA     | Subtest 1    | 20.00   | 18.72               | 18.59  | 18.54  |
|              | Subtest 2    | 20.00   | 17.98               | 17.78  | 17.68  |
|              | Subtest 3    | 19.50   | 17.87               | 17.71  | 17.56  |
|              | Subtest 4    | 19.50   | 17.84               | 17.70  | 17.57  |

Table 31: Test results conducted power measurement of UMTS Band II (Reduced Power Level D4)

Note:

- 1) The bolded 12.2kbps RMC mode was selected for SAR testing.
- 2) When maximum output of each RF channel with HSDPA/HSUPA/DC-HSDPA active is  $\leq \frac{1}{4}$  dB higher than without HSDPA/HSUPA/DC-HSDPA using 12.2 kbps RMC or maximum SAR for 12.2 kbps RMC is  $\leq 75\%$  of SAR limit, SAR evaluation for HSDPA/HSUPA/DC-HSDPA is not required.

#### 7.1.7 Conducted power measurements of UMTS Band IV(Second antenna)

| UMTS Band IV |              | Tune-up | Average Power (dBm) |              |              |
|--------------|--------------|---------|---------------------|--------------|--------------|
|              |              | Max.    | 1312CH              | 1413CH       | 1513CH       |
| WCDMA        | 12.2kbps RMC | 22.00   | <b>21.35</b>        | <b>21.44</b> | <b>21.47</b> |
|              | 12.2kbps AMR | 22.00   | 21.36               | 21.42        | 21.47        |
| HSDPA        | Subtest 1    | 22.00   | 20.84               | 20.94        | 20.99        |
|              | Subtest 2    | 22.00   | 20.03               | 20.09        | 20.15        |
|              | Subtest 3    | 21.50   | 19.91               | 19.92        | 20.03        |
|              | Subtest 4    | 21.50   | 19.93               | 19.96        | 20.01        |
| HSUPA        | Subtest 1    | 22.00   | 19.27               | 19.43        | 19.39        |
|              | Subtest 2    | 19.50   | 16.85               | 16.94        | 16.96        |
|              | Subtest 3    | 20.50   | 17.65               | 17.73        | 17.52        |
|              | Subtest 4    | 20.00   | 17.53               | 17.86        | 17.62        |
|              | Subtest 5    | 21.00   | 19.36               | 19.45        | 19.51        |
| DC-HSDPA     | Subtest 1    | 21.00   | 20.81               | 20.95        | 20.95        |
|              | Subtest 2    | 22.00   | 20.04               | 20.04        | 20.18        |
|              | Subtest 3    | 21.50   | 19.95               | 20.02        | 20.06        |
|              | Subtest 4    | 21.50   | 19.94               | 20.00        | 20.04        |

Table 32: Test results conducted power measurement of UMTS Band IV (Full Power)

| UMTS Band IV |              | Tune-up | Average Power (dBm) |              |              |
|--------------|--------------|---------|---------------------|--------------|--------------|
|              |              | Max.    | 1312CH              | 1413CH       | 1513CH       |
| WCDMA        | 12.2kbps RMC | 19.00   | <b>18.35</b>        | <b>18.43</b> | <b>18.46</b> |
|              | 12.2kbps AMR | 19.00   | 18.32               | 18.39        | 18.47        |
| HSDPA        | Subtest 1    | 19.00   | 17.84               | 17.92        | 17.97        |
|              | Subtest 2    | 19.00   | 17.07               | 17.08        | 17.13        |
|              | Subtest 3    | 18.50   | 16.91               | 16.97        | 17.03        |
|              | Subtest 4    | 18.50   | 16.97               | 16.98        | 17.05        |
| HSUPA        | Subtest 1    | 19.00   | 14.77               | 14.82        | 14.92        |
|              | Subtest 2    | 16.50   | 12.52               | 13.94        | 13.90        |
|              | Subtest 3    | 17.50   | 14.32               | 14.66        | 14.61        |
|              | Subtest 4    | 17.00   | 14.18               | 14.49        | 14.34        |
|              | Subtest 5    | 18.00   | 16.36               | 16.45        | 16.51        |
| DC-HSDPA     | Subtest 1    | 18.00   | 17.84               | 17.89        | 17.97        |
|              | Subtest 2    | 19.00   | 17.01               | 17.09        | 17.13        |
|              | Subtest 3    | 18.50   | 16.95               | 17.06        | 17.08        |
|              | Subtest 4    | 18.50   | 16.95               | 17.04        | 17.05        |

Table 33: Test results conducted power measurement of UMTS Band IV (Reduced Power Level D1)

| UMTS Band IV |              | Tune-up | Average Power (dBm) |              |              |
|--------------|--------------|---------|---------------------|--------------|--------------|
|              |              | Max.    | 1312CH              | 1413CH       | 1513CH       |
| WCDMA        | 12.2kbps RMC | 18.00   | <b>17.35</b>        | <b>17.44</b> | <b>17.52</b> |
|              | 12.2kbps AMR | 18.00   | 17.34               | 17.43        | 17.50        |
| HSDPA        | Subtest 1    | 18.00   | 16.81               | 16.91        | 16.95        |
|              | Subtest 2    | 18.00   | 16.01               | 16.05        | 16.11        |
|              | Subtest 3    | 17.50   | 15.96               | 15.96        | 16.07        |
|              | Subtest 4    | 17.50   | 15.94               | 15.97        | 16.03        |
| HSUPA        | Subtest 1    | 18.00   | 13.72               | 13.76        | 13.89        |
|              | Subtest 2    | 15.50   | 11.15               | 12.04        | 12.05        |
|              | Subtest 3    | 16.50   | 12.29               | 12.67        | 12.73        |
|              | Subtest 4    | 16.00   | 11.46               | 11.70        | 11.60        |
|              | Subtest 5    | 17.00   | 15.38               | 15.47        | 15.53        |
| DC-HSDPA     | Subtest 1    | 17.00   | 16.81               | 16.91        | 16.98        |
|              | Subtest 2    | 18.00   | 16.04               | 16.05        | 16.12        |
|              | Subtest 3    | 17.50   | 15.98               | 16.06        | 16.03        |
|              | Subtest 4    | 17.50   | 15.98               | 15.89        | 16.05        |

Table 34: Test results conducted power measurement of UMTS Band IV (Reduced Power Level D2)

| UMTS Band IV |              | Tune-up | Average Power (dBm) |        |        |
|--------------|--------------|---------|---------------------|--------|--------|
|              |              | Max.    | 1312CH              | 1413CH | 1513CH |
| WCDMA        | 12.2kbps RMC | 15.00   | 14.34               | 14.40  | 14.47  |
|              | 12.2kbps AMR | 15.00   | 14.35               | 14.42  | 14.48  |
| HSDPA        | Subtest 1    | 15.00   | 13.83               | 13.90  | 13.98  |
|              | Subtest 2    | 15.00   | 13.04               | 13.07  | 13.14  |
|              | Subtest 3    | 14.50   | 12.92               | 12.95  | 13.01  |
|              | Subtest 4    | 14.50   | 12.95               | 12.93  | 13.03  |
| HSUPA        | Subtest 1    | 15.00   | 13.40               | 13.26  | 12.83  |
|              | Subtest 2    | 12.50   | 9.62                | 10.10  | 10.30  |
|              | Subtest 3    | 13.50   | 10.78               | 11.04  | 11.03  |
|              | Subtest 4    | 13.00   | 10.37               | 10.53  | 10.64  |
|              | Subtest 5    | 14.00   | 13.84               | 13.97  | 13.99  |
| DC-HSDPA     | Subtest 1    | 14.00   | 13.79               | 13.89  | 13.94  |
|              | Subtest 2    | 15.00   | 12.96               | 13.09  | 13.14  |
|              | Subtest 3    | 14.50   | 12.97               | 13.07  | 13.04  |
|              | Subtest 4    | 14.50   | 12.98               | 12.95  | 13.04  |

Table 35: Test results conducted power measurement of UMTS Band IV (Reduced Power Level D3)

Note:

- 1) The bolded 12.2kbps RMC mode was selected for SAR testing.
- 2) When maximum output of each RF channel with HSDPA/HSUPA/DC-HSDPA active is  $\leq \frac{1}{4}$  dB higher than without HSDPA/HSUPA/DC-HSDPA using 12.2 kbps RMC or maximum SAR for 12.2 kbps RMC is  $\leq 75\%$  of SAR limit, SAR evaluation for HSDPA/HSUPA/DC-HSDPA is not required.

#### 7.1.8 Conducted power measurements of UMTS Band IV(Main antenna)

| UMTS Band IV |              | Tune-up | Average Power (dBm) |              |              |
|--------------|--------------|---------|---------------------|--------------|--------------|
|              |              | Max.    | 1312CH              | 1413CH       | 1513CH       |
| WCDMA        | 12.2kbps RMC | 24.50   | <b>23.61</b>        | <b>23.83</b> | <b>23.88</b> |
|              | 12.2kbps AMR | 24.50   | 23.62               | 23.81        | 23.87        |
| HSDPA        | Subtest 1    | 24.50   | 23.13               | 23.33        | 23.38        |
|              | Subtest 2    | 24.50   | 22.37               | 22.49        | 22.59        |
|              | Subtest 3    | 24.00   | 22.26               | 22.45        | 22.45        |
|              | Subtest 4    | 24.00   | 22.26               | 22.39        | 22.46        |
| HSUPA        | Subtest 1    | 24.50   | 20.24               | 20.56        | 20.51        |
|              | Subtest 2    | 22.00   | 16.54               | 16.43        | 16.22        |
|              | Subtest 3    | 23.00   | 17.24               | 17.43        | 17.57        |
|              | Subtest 4    | 22.50   | 16.77               | 16.98        | 16.99        |
|              | Subtest 5    | 23.50   | 21.64               | 21.86        | 21.92        |
| DC-HSDPA     | Subtest 1    | 24.50   | 23.14               | 23.31        | 23.40        |
|              | Subtest 2    | 24.50   | 22.32               | 22.55        | 22.57        |
|              | Subtest 3    | 24.00   | 22.23               | 22.46        | 22.46        |
|              | Subtest 4    | 24.00   | 22.24               | 22.43        | 22.47        |

Table 36: Test results conducted power measurement of UMTS Band IV (Full Power)



| UMTS Band IV |              | Tune-up | Average Power (dBm) |              |              |
|--------------|--------------|---------|---------------------|--------------|--------------|
|              |              | Max.    | 1312CH              | 1413CH       | 1513CH       |
| WCDMA        | 12.2kbps RMC | 22.50   | <b>21.63</b>        | <b>21.83</b> | <b>21.86</b> |
|              | 12.2kbps AMR | 22.50   | 21.62               | 21.83        | 21.91        |
| HSDPA        | Subtest 1    | 22.50   | 21.10               | 21.27        | 21.38        |
|              | Subtest 2    | 22.50   | 20.32               | 20.46        | 20.58        |
|              | Subtest 3    | 22.00   | 20.24               | 20.42        | 20.46        |
|              | Subtest 4    | 22.00   | 20.21               | 20.36        | 20.44        |
| HSUPA        | Subtest 1    | 22.50   | 19.54               | 19.73        | 19.91        |
|              | Subtest 2    | 20.00   | 16.54               | 16.44        | 16.23        |
|              | Subtest 3    | 21.00   | 17.23               | 17.43        | 17.57        |
|              | Subtest 4    | 20.50   | 16.76               | 16.97        | 16.99        |
|              | Subtest 5    | 21.50   | 19.65               | 19.81        | 19.92        |
| DC-HSDPA     | Subtest 1    | 22.50   | 21.08               | 21.38        | 21.39        |
|              | Subtest 2    | 22.50   | 20.32               | 20.51        | 20.54        |
|              | Subtest 3    | 22.00   | 20.22               | 20.42        | 20.44        |
|              | Subtest 4    | 22.00   | 20.23               | 20.39        | 20.43        |

Table 37: Test results conducted power measurement of UMTS Band IV (Reduced Power Level D3/D4/D5/D6)

Note:

- 1) The bolded 12.2kbps RMC mode was selected for SAR testing.
- 2) When maximum output of each RF channel with HSDPA/HSUPA/DC-HSDPA active is  $\leq \frac{1}{4}$  dB higher than without HSDPA/HSUPA/DC-HSDPA using 12.2 kbps RMC or maximum SAR for 12.2 kbps RMC is  $\leq 75\%$  of SAR limit, SAR evaluation for HSDPA/HSUPA/DC-HSDPA is not required.

#### 7.1.9 Conducted power measurements of UMTS Band V(Second antenna)

| UMTS Band V |              | Tune-up | Average Power (dBm) |              |              |
|-------------|--------------|---------|---------------------|--------------|--------------|
|             |              | Max.    | 4132CH              | 4182CH       | 4233CH       |
| WCDMA       | 12.2kbps RMC | 24.50   | <b>23.51</b>        | <b>23.45</b> | <b>23.50</b> |
|             | 12.2kbps AMR | 24.50   | 23.49               | 23.42        | 23.47        |
| HSDPA       | Subtest 1    | 24.50   | 22.98               | 22.91        | 22.98        |
|             | Subtest 2    | 24.00   | 22.50               | 22.44        | 22.48        |
|             | Subtest 3    | 23.50   | 22.49               | 22.45        | 22.51        |
|             | Subtest 4    | 23.50   | 22.49               | 22.46        | 22.49        |
| HSUPA       | Subtest 1    | 23.50   | 22.62               | 22.35        | 22.25        |
|             | Subtest 2    | 21.50   | 19.97               | 20.14        | 20.09        |
|             | Subtest 3    | 22.50   | 20.70               | 20.87        | 20.90        |
|             | Subtest 4    | 22.00   | 20.26               | 20.25        | 20.29        |
|             | Subtest 5    | 23.00   | 21.48               | 21.42        | 21.45        |
| DC-HSDPA    | Subtest 1    | 24.50   | 22.98               | 22.95        | 22.98        |
|             | Subtest 2    | 24.00   | 22.49               | 22.44        | 22.49        |
|             | Subtest 3    | 23.50   | 22.50               | 22.44        | 22.48        |
|             | Subtest 4    | 23.50   | 22.50               | 22.44        | 22.46        |

Table 38: Test results conducted power measurement of UMTS Band V (Full Power)

| UMTS Band V |              | Tune-up | Average Power (dBm) |              |              |
|-------------|--------------|---------|---------------------|--------------|--------------|
|             |              | Max.    | 4132CH              | 4182CH       | 4233CH       |
| WCDMA       | 12.2kbps RMC | 19.50   | <b>18.46</b>        | <b>18.40</b> | <b>18.45</b> |
|             | 12.2kbps AMR | 19.50   | 18.45               | 18.37        | 18.44        |
| HSDPA       | Subtest 1    | 19.50   | 17.95               | 17.91        | 17.95        |
|             | Subtest 2    | 19.00   | 17.46               | 17.41        | 17.46        |
|             | Subtest 3    | 18.50   | 17.45               | 17.40        | 17.47        |
|             | Subtest 4    | 18.50   | 17.47               | 17.40        | 17.45        |
| HSUPA       | Subtest 1    | 18.50   | 17.16               | 17.61        | 17.43        |
|             | Subtest 2    | 16.50   | 14.14               | 14.37        | 14.33        |
|             | Subtest 3    | 17.50   | 15.86               | 16.08        | 16.02        |
|             | Subtest 4    | 17.00   | 14.37               | 14.42        | 14.49        |
|             | Subtest 5    | 18.00   | 16.50               | 16.41        | 16.46        |
| DC-HSDPA    | Subtest 1    | 19.50   | 17.95               | 17.92        | 17.94        |
|             | Subtest 2    | 19.00   | 17.52               | 17.41        | 17.45        |
|             | Subtest 3    | 18.50   | 17.45               | 17.38        | 17.44        |
|             | Subtest 4    | 18.50   | 17.47               | 17.41        | 17.44        |

Table 39: Test results conducted power measurement of UMTS Band V (Reduced Power Level D1)

| UMTS Band V |              | Tune-up | Average Power (dBm) |              |              |
|-------------|--------------|---------|---------------------|--------------|--------------|
|             |              | Max.    | 4132CH              | 4182CH       | 4233CH       |
| WCDMA       | 12.2kbps RMC | 21.50   | <b>20.45</b>        | <b>20.40</b> | <b>20.49</b> |
|             | 12.2kbps AMR | 21.50   | 20.47               | 20.36        | 20.42        |
| HSDPA       | Subtest 1    | 21.50   | 19.95               | 19.88        | 19.95        |
|             | Subtest 2    | 21.00   | 19.47               | 19.41        | 19.46        |
|             | Subtest 3    | 20.50   | 19.44               | 19.42        | 19.46        |
|             | Subtest 4    | 20.50   | 19.47               | 19.42        | 19.45        |
| HSUPA       | Subtest 1    | 20.50   | 18.98               | 19.45        | 19.35        |
|             | Subtest 2    | 18.50   | 17.13               | 17.20        | 17.16        |
|             | Subtest 3    | 19.50   | 17.86               | 17.93        | 17.97        |
|             | Subtest 4    | 19.00   | 16.42               | 16.39        | 16.35        |
|             | Subtest 5    | 20.00   | 18.49               | 18.39        | 18.42        |
| DC-HSDPA    | Subtest 1    | 21.50   | 19.95               | 19.88        | 19.94        |
|             | Subtest 2    | 21.00   | 19.51               | 19.41        | 19.46        |
|             | Subtest 3    | 20.50   | 19.44               | 19.42        | 19.46        |
|             | Subtest 4    | 20.50   | 19.48               | 19.42        | 19.47        |

Table 40: Test results conducted power measurement of UMTS Band V (Reduced Power Level D2)

| UMTS Band V |              | Tune-up | Average Power (dBm) |        |        |
|-------------|--------------|---------|---------------------|--------|--------|
|             |              | Max.    | 4132CH              | 4182CH | 4233CH |
| WCDMA       | 12.2kbps RMC | 16.50   | 15.46               | 15.41  | 15.46  |
|             | 12.2kbps AMR | 16.50   | 15.45               | 15.39  | 15.44  |
| HSDPA       | Subtest 1    | 16.50   | 14.96               | 14.91  | 14.95  |
|             | Subtest 2    | 16.00   | 14.46               | 14.38  | 14.46  |
|             | Subtest 3    | 15.50   | 14.48               | 14.41  | 14.46  |
|             | Subtest 4    | 15.50   | 14.46               | 14.40  | 14.45  |
| HSUPA       | Subtest 1    | 15.50   | 13.25               | 13.81  | 13.77  |
|             | Subtest 2    | 13.50   | 11.29               | 11.48  | 11.45  |
|             | Subtest 3    | 14.50   | 11.99               | 12.18  | 12.24  |
|             | Subtest 4    | 14.00   | 11.48               | 11.49  | 11.56  |
|             | Subtest 5    | 15.00   | 13.35               | 13.61  | 13.76  |
| DC-HSDPA    | Subtest 1    | 16.50   | 14.94               | 14.90  | 14.98  |
|             | Subtest 2    | 16.00   | 14.48               | 14.39  | 14.46  |
|             | Subtest 3    | 15.50   | 14.46               | 14.43  | 14.47  |
|             | Subtest 4    | 15.50   | 14.44               | 14.40  | 14.45  |

Table 41: Test results conducted power measurement of UMTS Band V (Reduced Power Level D3)

Note:

- 1) The bolded 12.2kbps RMC mode was selected for SAR testing.
- 2) When maximum output of each RF channel with HSDPA/HSUPA/DC-HSDPA active is  $\leq \frac{1}{4}$  dB higher than without HSDPA/HSUPA/DC-HSDPA using 12.2 kbps RMC or maximum SAR for 12.2 kbps RMC is  $\leq 75\%$  of SAR limit, SAR evaluation for HSDPA/HSUPA/DC-HSDPA is not required.

#### 7.1.10 Conducted power measurements of UMTS Band V(Main antenna)

| UMTS Band V |              | Tune-up | Average Power (dBm) |              |              |
|-------------|--------------|---------|---------------------|--------------|--------------|
|             |              | Max.    | 4132CH              | 4182CH       | 4233CH       |
| WCDMA       | 12.2kbps RMC | 25.00   | <b>23.97</b>        | <b>23.99</b> | <b>24.10</b> |
|             | 12.2kbps AMR | 25.00   | 23.99               | 23.96        | 24.07        |
| HSDPA       | Subtest 1    | 25.00   | 23.47               | 23.47        | 23.56        |
|             | Subtest 2    | 24.50   | 22.96               | 22.96        | 23.07        |
|             | Subtest 3    | 24.00   | 22.52               | 22.53        | 22.64        |
|             | Subtest 4    | 24.00   | 22.55               | 22.55        | 22.65        |
| HSUPA       | Subtest 1    | 24.00   | 22.75               | 22.77        | 22.84        |
|             | Subtest 2    | 22.00   | 20.56               | 20.74        | 19.96        |
|             | Subtest 3    | 23.00   | 21.40               | 21.36        | 21.52        |
|             | Subtest 4    | 22.50   | 19.96               | 20.06        | 20.24        |
|             | Subtest 5    | 23.50   | 21.94               | 21.92        | 22.04        |
| DC-HSDPA    | Subtest 1    | 25.00   | 23.21               | 23.32        | 23.45        |
|             | Subtest 2    | 24.50   | 23.89               | 23.01        | 23.00        |
|             | Subtest 3    | 24.00   | 23.56               | 23.54        | 23.67        |
|             | Subtest 4    | 24.00   | 23.54               | 23.55        | 23.63        |

Table 42: Test results conducted power measurement of UMTS Band V

Note:

- 1) The bolded 12.2kbps RMC mode was selected for SAR testing.
- 2) When maximum output of each RF channel with HSDPA/HSUPA/DC-HSDPA active is  $\leq \frac{1}{4}$  dB higher than without HSDPA/HSUPA/DC-HSDPA using 12.2 kbps RMC or maximum SAR for 12.2 kbps RMC is  $\leq 75\%$  of SAR limit, SAR evaluation for HSDPA/HSUPA/DC-HSDPA is not required.

### 7.1.11 Conducted power measurements of LTE Band 2(Second antenna)

| Bandwidth | Modulation | RB size | RB offset | Tune-up<br>Max. | Channel<br>18607CH | Channel<br>18900CH | Channel<br>19193CH |
|-----------|------------|---------|-----------|-----------------|--------------------|--------------------|--------------------|
| 1.4MHz    | QPSK       | 1       | 0         | 21.20           | 20.35              | 20.24              | 20.12              |
|           |            | 1       | 3         | 21.20           | 20.23              | 20.23              | 20.12              |
|           |            | 1       | 5         | 21.20           | 20.22              | 20.19              | 20.21              |
|           |            | 3       | 0         | 21.20           | 20.19              | 20.10              | 20.10              |
|           |            | 3       | 2         | 21.20           | 20.19              | 20.22              | 20.20              |
|           |            | 3       | 3         | 21.20           | 20.13              | 20.24              | 20.21              |
|           |            | 6       | 0         | 21.20           | 20.13              | 20.19              | 20.20              |
|           | 16QAM      | 1       | 0         | 21.20           | 20.48              | 20.32              | 20.30              |
|           |            | 1       | 3         | 21.20           | 20.32              | 20.24              | 20.30              |
|           |            | 1       | 5         | 21.20           | 20.47              | 20.23              | 20.17              |
|           |            | 3       | 0         | 21.20           | 20.21              | 20.34              | 20.22              |
|           |            | 3       | 2         | 21.20           | 20.43              | 20.01              | 19.95              |
|           |            | 3       | 3         | 21.20           | 20.40              | 20.08              | 20.20              |
|           |            | 6       | 0         | 21.20           | 20.11              | 20.19              | 20.14              |
|           | 64QAM      | 1       | 0         | 21.20           | 20.28              | 20.21              | 20.22              |
|           |            | 1       | 3         | 21.20           | 20.16              | 20.38              | 20.18              |
|           |            | 1       | 5         | 21.20           | 20.43              | 20.29              | 20.23              |
|           |            | 3       | 0         | 21.20           | 20.28              | 20.24              | 20.04              |
|           |            | 3       | 2         | 21.20           | 20.35              | 20.19              | 20.07              |
|           |            | 3       | 3         | 21.20           | 20.04              | 20.17              | 20.00              |
|           |            | 6       | 0         | 20.20           | 19.09              | 19.21              | 19.06              |
| Bandwidth | Modulation | RB size | RB offset | Tune-up<br>Max. | Channel<br>18615CH | Channel<br>18900CH | Channel<br>19185CH |
| 3MHz      | QPSK       | 1       | 0         | 21.20           | 20.22              | 20.31              | 20.12              |
|           |            | 1       | 7         | 21.20           | 20.21              | 20.33              | 20.08              |
|           |            | 1       | 14        | 21.20           | 20.21              | 20.33              | 20.15              |
|           |            | 8       | 0         | 21.20           | 20.21              | 20.26              | 20.17              |
|           |            | 8       | 4         | 21.20           | 20.20              | 20.26              | 20.17              |
|           |            | 8       | 7         | 21.20           | 20.20              | 20.23              | 20.16              |
|           |            | 15      | 0         | 21.20           | 20.21              | 20.22              | 20.14              |
|           | 16QAM      | 1       | 0         | 21.20           | 20.29              | 20.14              | 20.19              |
|           |            | 1       | 7         | 21.20           | 20.26              | 20.34              | 20.17              |
|           |            | 1       | 14        | 21.20           | 20.31              | 20.39              | 20.04              |
|           |            | 8       | 0         | 21.20           | 20.16              | 20.20              | 19.99              |
|           |            | 8       | 4         | 21.20           | 20.13              | 20.23              | 20.05              |
|           |            | 8       | 7         | 21.20           | 20.13              | 20.23              | 20.10              |
|           |            | 15      | 0         | 21.20           | 20.16              | 20.15              | 20.08              |
|           | 64QAM      | 1       | 0         | 21.20           | 20.35              | 19.95              | 20.16              |
|           |            | 1       | 7         | 21.20           | 20.30              | 20.19              | 20.29              |
|           |            | 1       | 14        | 21.20           | 20.33              | 20.30              | 20.20              |
|           |            | 8       | 0         | 20.20           | 19.37              | 19.20              | 19.17              |
|           |            | 8       | 4         | 20.20           | 19.15              | 19.20              | 19.07              |
|           |            | 8       | 7         | 20.20           | 19.35              | 19.12              | 19.02              |
|           |            | 15      | 0         | 20.20           | 19.20              | 19.12              | 19.05              |

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | Max.    | 18625CH | 18900CH | 19175CH |
| 5MHz      | QPSK       | 1       | 0         | 21.20   | 20.31   | 20.12   | 20.27   |
|           |            | 1       | 13        | 21.20   | 20.31   | 20.08   | 20.24   |
|           |            | 1       | 24        | 21.20   | 20.29   | 20.14   | 20.25   |
|           |            | 12      | 0         | 21.20   | 20.23   | 20.21   | 20.26   |
|           |            | 12      | 6         | 21.20   | 20.22   | 20.21   | 20.25   |
|           |            | 12      | 13        | 21.20   | 20.22   | 20.21   | 20.25   |
|           |            | 25      | 0         | 21.20   | 20.18   | 20.19   | 20.15   |
|           | 16QAM      | 1       | 0         | 21.20   | 20.41   | 20.44   | 20.54   |
|           |            | 1       | 13        | 21.20   | 20.38   | 20.57   | 20.54   |
|           |            | 1       | 24        | 21.20   | 20.54   | 20.55   | 20.40   |
|           |            | 12      | 0         | 21.20   | 20.12   | 20.09   | 20.10   |
|           |            | 12      | 6         | 21.20   | 20.10   | 20.14   | 20.09   |
|           |            | 12      | 13        | 21.20   | 20.16   | 20.14   | 20.06   |
|           |            | 25      | 0         | 21.20   | 20.12   | 20.18   | 20.04   |
|           | 64QAM      | 1       | 0         | 21.20   | 20.19   | 20.22   | 20.34   |
|           |            | 1       | 13        | 21.20   | 20.31   | 20.23   | 20.29   |
|           |            | 1       | 24        | 21.20   | 20.14   | 20.15   | 20.26   |
|           |            | 12      | 0         | 20.20   | 19.17   | 19.20   | 19.14   |
|           |            | 12      | 6         | 20.20   | 19.14   | 19.17   | 19.19   |
|           |            | 12      | 13        | 20.20   | 19.38   | 19.17   | 19.07   |
|           |            | 25      | 0         | 20.20   | 19.11   | 19.11   | 19.07   |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|           |            |         |           | Max.    | 18650CH | 18900CH | 19150CH |
| 10MHz     | QPSK       | 1       | 0         | 21.20   | 20.38   | 20.15   | 20.11   |
|           |            | 1       | 25        | 21.20   | 20.38   | 20.10   | 20.17   |
|           |            | 1       | 49        | 21.20   | 20.36   | 20.20   | 20.14   |
|           |            | 25      | 0         | 21.20   | 20.28   | 20.18   | 20.10   |
|           |            | 25      | 13        | 21.20   | 20.24   | 20.20   | 20.11   |
|           |            | 25      | 25        | 21.20   | 20.27   | 20.20   | 20.12   |
|           |            | 50      | 0         | 21.20   | 20.18   | 20.18   | 20.05   |
|           | 16QAM      | 1       | 0         | 21.20   | 20.32   | 20.15   | 20.18   |
|           |            | 1       | 25        | 21.20   | 20.13   | 19.98   | 20.11   |
|           |            | 1       | 49        | 21.20   | 20.24   | 20.41   | 20.01   |
|           |            | 25      | 0         | 21.20   | 20.13   | 20.05   | 20.06   |
|           |            | 25      | 13        | 21.20   | 20.12   | 20.09   | 20.18   |
|           |            | 25      | 25        | 21.20   | 20.15   | 20.09   | 20.18   |
|           |            | 50      | 0         | 21.20   | 20.05   | 20.22   | 19.99   |
|           | 64QAM      | 1       | 0         | 21.20   | 20.43   | 20.31   | 20.34   |
|           |            | 1       | 25        | 21.20   | 20.25   | 20.30   | 20.05   |
|           |            | 1       | 49        | 21.20   | 20.44   | 20.43   | 20.22   |
|           |            | 25      | 0         | 20.20   | 19.14   | 19.12   | 19.23   |
|           |            | 25      | 13        | 20.20   | 19.14   | 19.17   | 19.19   |
|           |            | 25      | 25        | 20.20   | 19.12   | 19.15   | 19.07   |
|           |            | 50      | 0         | 20.20   | 19.27   | 19.04   | 19.00   |

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel      | Channel      | Channel      |
|-----------|------------|---------|-----------|---------|--------------|--------------|--------------|
|           |            |         |           | Max.    | 18675CH      | 18900CH      | 19125CH      |
| 15MHz     | QPSK       | 1       | 0         | 21.20   | 20.35        | 20.38        | 20.12        |
|           |            | 1       | 38        | 21.20   | 20.38        | 20.39        | 20.11        |
|           |            | 1       | 74        | 21.20   | 20.31        | 20.36        | 20.11        |
|           |            | 36      | 0         | 21.20   | 20.21        | 20.29        | 20.10        |
|           |            | 36      | 18        | 21.20   | 20.22        | 20.30        | 20.07        |
|           |            | 36      | 39        | 21.20   | 20.23        | 20.30        | 20.10        |
|           |            | 75      | 0         | 21.20   | 20.37        | 20.17        | 20.18        |
|           | 16QAM      | 1       | 0         | 21.20   | 20.43        | 20.30        | 19.99        |
|           |            | 1       | 38        | 21.20   | 20.37        | 20.31        | 19.97        |
|           |            | 1       | 74        | 21.20   | 20.44        | 20.45        | 20.27        |
|           |            | 36      | 0         | 21.20   | 20.12        | 20.15        | 20.18        |
|           |            | 36      | 18        | 21.20   | 20.12        | 20.16        | 19.89        |
|           |            | 36      | 39        | 21.20   | 20.13        | 20.16        | 20.16        |
|           |            | 75      | 0         | 21.20   | 20.06        | 20.10        | 19.93        |
|           | 64QAM      | 1       | 0         | 21.20   | 20.21        | 20.27        | 20.25        |
|           |            | 1       | 38        | 21.20   | 20.25        | 20.36        | 20.23        |
|           |            | 1       | 74        | 21.20   | 20.27        | 20.28        | 20.27        |
|           |            | 36      | 0         | 20.20   | 19.25        | 19.16        | 19.08        |
|           |            | 36      | 18        | 20.20   | 19.27        | 19.20        | 18.96        |
|           |            | 36      | 39        | 20.20   | 19.32        | 19.19        | 18.93        |
|           |            | 75      | 0         | 20.20   | 19.33        | 19.25        | 19.03        |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel      | Channel      | Channel      |
|           |            |         |           | Max.    | 18700CH      | 18900CH      | 19100CH      |
| 20MHz     | QPSK       | 1       | 0         | 21.20   | <b>20.45</b> | 20.43        | 20.35        |
|           |            | 1       | 50        | 21.20   | 20.41        | 20.41        | 20.31        |
|           |            | 1       | 99        | 21.20   | 20.41        | 20.42        | 20.34        |
|           |            | 50      | 0         | 21.20   | 20.22        | 20.24        | <b>20.10</b> |
|           |            | 50      | 25        | 21.20   | <b>20.42</b> | <b>20.37</b> | 20.07        |
|           |            | 50      | 50        | 21.20   | 20.22        | 20.37        | 20.06        |
|           |            | 100     | 0         | 21.20   | 20.22        | 20.21        | 20.27        |
|           | 16QAM      | 1       | 0         | 21.20   | 20.60        | 20.70        | 20.42        |
|           |            | 1       | 50        | 21.20   | 20.63        | 20.58        | 20.43        |
|           |            | 1       | 99        | 21.20   | 20.49        | 20.49        | 20.50        |
|           |            | 50      | 0         | 21.20   | 20.13        | 20.21        | 19.94        |
|           |            | 50      | 25        | 21.20   | 20.11        | 20.22        | 20.01        |
|           |            | 50      | 50        | 21.20   | 20.14        | 20.09        | 19.98        |
|           |            | 100     | 0         | 21.20   | 20.10        | 20.18        | 19.97        |
|           | 64QAM      | 1       | 0         | 21.20   | 20.41        | 20.53        | 20.29        |
|           |            | 1       | 50        | 21.20   | 20.42        | 20.48        | 20.20        |
|           |            | 1       | 99        | 21.20   | 20.54        | 20.58        | 20.51        |
|           |            | 50      | 0         | 20.20   | 19.18        | 19.25        | 19.23        |
|           |            | 50      | 25        | 20.20   | 19.19        | 19.26        | 19.30        |
|           |            | 50      | 50        | 20.20   | 19.16        | 19.20        | 19.03        |
|           |            | 100     | 0         | 20.20   | 19.29        | 19.16        | 19.05        |

Table 43: Test results conducted power measurement of LTE Band 2 (Full Power)



| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | Max.    | 18607CH | 18900CH | 19193CH |
| 1.4MHz    | QPSK       | 1       | 0         | 17.70   | 16.82   | 16.95   | 16.83   |
|           |            | 1       | 3         | 17.70   | 16.98   | 16.95   | 16.84   |
|           |            | 1       | 5         | 17.70   | 16.98   | 16.95   | 16.98   |
|           |            | 3       | 0         | 17.70   | 16.90   | 16.87   | 16.84   |
|           |            | 3       | 2         | 17.70   | 16.92   | 16.73   | 16.69   |
|           |            | 3       | 3         | 17.70   | 16.88   | 16.74   | 16.69   |
|           |            | 6       | 0         | 17.70   | 16.89   | 16.91   | 16.73   |
|           | 16QAM      | 1       | 0         | 17.70   | 16.75   | 16.83   | 16.90   |
|           |            | 1       | 3         | 17.70   | 17.06   | 16.92   | 16.82   |
|           |            | 1       | 5         | 17.70   | 16.52   | 16.86   | 16.80   |
|           |            | 3       | 0         | 17.70   | 16.86   | 16.92   | 16.71   |
|           |            | 3       | 2         | 17.70   | 16.73   | 16.81   | 16.93   |
|           |            | 3       | 3         | 17.70   | 16.88   | 16.87   | 16.75   |
|           |            | 6       | 0         | 17.70   | 16.80   | 16.64   | 16.67   |
|           | 64QAM      | 1       | 0         | 17.70   | 17.00   | 17.18   | 16.92   |
|           |            | 1       | 3         | 17.70   | 17.12   | 17.15   | 16.97   |
|           |            | 1       | 5         | 17.70   | 17.06   | 17.01   | 16.81   |
|           |            | 3       | 0         | 17.70   | 16.65   | 16.61   | 16.67   |
|           |            | 3       | 2         | 17.70   | 16.78   | 16.70   | 16.82   |
|           |            | 3       | 3         | 17.70   | 16.89   | 16.71   | 16.66   |
|           |            | 6       | 0         | 17.70   | 16.85   | 16.76   | 16.79   |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|           |            |         |           | Max.    | 18615CH | 18900CH | 19185CH |
| 3MHz      | QPSK       | 1       | 0         | 17.70   | 16.87   | 16.93   | 16.84   |
|           |            | 1       | 7         | 17.70   | 16.88   | 16.82   | 16.80   |
|           |            | 1       | 14        | 17.70   | 16.88   | 16.87   | 16.84   |
|           |            | 8       | 0         | 17.70   | 16.81   | 16.81   | 16.61   |
|           |            | 8       | 4         | 17.70   | 16.82   | 16.85   | 16.64   |
|           |            | 8       | 7         | 17.70   | 16.84   | 16.84   | 16.65   |
|           |            | 15      | 0         | 17.70   | 16.79   | 16.84   | 16.83   |
|           | 16QAM      | 1       | 0         | 17.70   | 17.08   | 17.03   | 17.07   |
|           |            | 1       | 7         | 17.70   | 16.90   | 16.91   | 16.81   |
|           |            | 1       | 14        | 17.70   | 16.98   | 16.86   | 16.99   |
|           |            | 8       | 0         | 17.70   | 16.78   | 16.74   | 16.77   |
|           |            | 8       | 4         | 17.70   | 16.69   | 16.86   | 16.74   |
|           |            | 8       | 7         | 17.70   | 16.75   | 16.74   | 16.75   |
|           |            | 15      | 0         | 17.70   | 16.68   | 16.71   | 16.75   |
|           | 64QAM      | 1       | 0         | 17.70   | 16.94   | 16.86   | 16.94   |
|           |            | 1       | 7         | 17.70   | 16.92   | 16.86   | 16.98   |
|           |            | 1       | 14        | 17.70   | 16.75   | 17.11   | 16.97   |
|           |            | 8       | 0         | 17.70   | 16.89   | 16.70   | 16.63   |
|           |            | 8       | 4         | 17.70   | 16.77   | 16.78   | 16.69   |
|           |            | 8       | 7         | 17.70   | 16.87   | 16.72   | 16.66   |
|           |            | 15      | 0         | 17.70   | 16.74   | 16.66   | 16.64   |

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | Max.    | 18625CH | 18900CH | 19175CH |
| 5MHz      | QPSK       | 1       | 0         | 17.70   | 16.87   | 16.71   | 16.88   |
|           |            | 1       | 13        | 17.70   | 16.90   | 16.68   | 16.87   |
|           |            | 1       | 24        | 17.70   | 16.81   | 16.66   | 16.87   |
|           |            | 12      | 0         | 17.70   | 16.89   | 16.83   | 16.86   |
|           |            | 12      | 6         | 17.70   | 16.89   | 16.87   | 16.85   |
|           |            | 12      | 13        | 17.70   | 16.88   | 16.84   | 16.88   |
|           |            | 25      | 0         | 17.70   | 16.76   | 16.81   | 16.76   |
|           | 16QAM      | 1       | 0         | 17.70   | 17.06   | 17.16   | 16.98   |
|           |            | 1       | 13        | 17.70   | 16.94   | 17.24   | 17.11   |
|           |            | 1       | 24        | 17.70   | 17.07   | 17.14   | 17.17   |
|           |            | 12      | 0         | 17.70   | 16.75   | 16.85   | 16.78   |
|           |            | 12      | 6         | 17.70   | 16.71   | 16.82   | 16.79   |
|           |            | 12      | 13        | 17.70   | 16.78   | 16.83   | 16.78   |
|           |            | 25      | 0         | 17.70   | 16.67   | 16.78   | 16.71   |
|           | 64QAM      | 1       | 0         | 17.70   | 16.86   | 16.99   | 16.98   |
|           |            | 1       | 13        | 17.70   | 16.95   | 16.69   | 16.98   |
|           |            | 1       | 24        | 17.70   | 16.87   | 17.07   | 16.96   |
|           |            | 12      | 0         | 17.70   | 16.69   | 16.80   | 16.71   |
|           |            | 12      | 6         | 17.70   | 16.73   | 16.75   | 16.73   |
|           |            | 12      | 13        | 17.70   | 16.87   | 16.82   | 16.69   |
|           |            | 25      | 0         | 17.70   | 16.61   | 16.67   | 16.60   |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|           |            |         |           | Max.    | 18650CH | 18900CH | 19150CH |
| 10MHz     | QPSK       | 1       | 0         | 17.70   | 16.87   | 16.74   | 16.78   |
|           |            | 1       | 25        | 17.70   | 16.90   | 16.70   | 16.82   |
|           |            | 1       | 49        | 17.70   | 16.89   | 16.71   | 16.82   |
|           |            | 25      | 0         | 17.70   | 16.83   | 16.83   | 16.78   |
|           |            | 25      | 13        | 17.70   | 16.81   | 16.83   | 16.77   |
|           |            | 25      | 25        | 17.70   | 16.85   | 16.84   | 16.77   |
|           |            | 50      | 0         | 17.70   | 16.71   | 16.82   | 16.75   |
|           | 16QAM      | 1       | 0         | 17.70   | 16.85   | 16.80   | 16.79   |
|           |            | 1       | 25        | 17.70   | 17.04   | 16.79   | 16.97   |
|           |            | 1       | 49        | 17.70   | 16.79   | 16.79   | 16.66   |
|           |            | 25      | 0         | 17.70   | 16.73   | 16.60   | 16.70   |
|           |            | 25      | 13        | 17.70   | 16.75   | 16.64   | 16.67   |
|           |            | 25      | 25        | 17.70   | 16.75   | 16.64   | 16.74   |
|           |            | 50      | 0         | 17.70   | 16.59   | 16.54   | 16.66   |
|           | 64QAM      | 1       | 0         | 17.70   | 17.10   | 17.15   | 16.84   |
|           |            | 1       | 25        | 17.70   | 17.06   | 17.05   | 16.87   |
|           |            | 1       | 49        | 17.70   | 16.89   | 16.86   | 16.95   |
|           |            | 25      | 0         | 17.70   | 16.72   | 16.65   | 16.75   |
|           |            | 25      | 13        | 17.70   | 16.69   | 16.75   | 16.73   |
|           |            | 25      | 25        | 17.70   | 16.63   | 16.74   | 16.62   |
|           |            | 50      | 0         | 17.70   | 16.83   | 16.61   | 16.59   |

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel      | Channel      | Channel      |
|-----------|------------|---------|-----------|---------|--------------|--------------|--------------|
|           |            |         |           | Max.    | 18675CH      | 18900CH      | 19125CH      |
| 15MHz     | QPSK       | 1       | 0         | 17.70   | 16.93        | 16.93        | 16.76        |
|           |            | 1       | 38        | 17.70   | 16.93        | 16.95        | 16.80        |
|           |            | 1       | 74        | 17.70   | 16.94        | 16.97        | 16.81        |
|           |            | 36      | 0         | 17.70   | 16.84        | 16.88        | 16.79        |
|           |            | 36      | 18        | 17.70   | 16.84        | 16.86        | 16.74        |
|           |            | 36      | 39        | 17.70   | 16.84        | 16.86        | 16.73        |
|           |            | 75      | 0         | 17.70   | 16.93        | 16.79        | 16.83        |
|           | 16QAM      | 1       | 0         | 17.70   | 17.02        | 16.92        | 16.72        |
|           |            | 1       | 38        | 17.70   | 17.05        | 16.92        | 16.90        |
|           |            | 1       | 74        | 17.70   | 17.15        | 17.01        | 16.97        |
|           |            | 36      | 0         | 17.70   | 16.72        | 16.82        | 16.59        |
|           |            | 36      | 18        | 17.70   | 16.71        | 16.81        | 16.54        |
|           |            | 36      | 39        | 17.70   | 16.73        | 16.83        | 16.74        |
|           |            | 75      | 0         | 17.70   | 16.60        | 16.78        | 16.58        |
|           | 64QAM      | 1       | 0         | 17.70   | 16.82        | 17.08        | 17.02        |
|           |            | 1       | 38        | 17.70   | 16.83        | 16.84        | 16.70        |
|           |            | 1       | 74        | 17.70   | 17.03        | 16.81        | 16.79        |
|           |            | 36      | 0         | 17.70   | 16.86        | 16.78        | 16.55        |
|           |            | 36      | 18        | 17.70   | 16.86        | 16.76        | 16.58        |
|           |            | 36      | 39        | 17.70   | 16.97        | 16.80        | 16.60        |
|           |            | 75      | 0         | 17.70   | 16.86        | 16.77        | 16.63        |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel      | Channel      | Channel      |
|           |            |         |           | Max.    | 18700CH      | 18900CH      | 19100CH      |
| 20MHz     | QPSK       | 1       | 0         | 17.70   | 17.05        | 17.07        | 16.72        |
|           |            | 1       | 50        | 17.70   | <b>17.13</b> | 17.07        | 16.76        |
|           |            | 1       | 99        | 17.70   | 17.03        | 17.07        | 16.75        |
|           |            | 50      | 0         | 17.70   | 16.84        | <b>16.88</b> | 16.75        |
|           |            | 50      | 25        | 17.70   | 16.82        | 16.87        | <b>16.79</b> |
|           |            | 50      | 50        | 17.70   | <b>16.89</b> | 16.86        | 16.76        |
|           |            | 100     | 0         | 17.70   | 16.74        | 16.85        | 16.94        |
|           | 16QAM      | 1       | 0         | 17.70   | 17.36        | 17.25        | 17.32        |
|           |            | 1       | 50        | 17.70   | 17.31        | 17.29        | 17.29        |
|           |            | 1       | 99        | 17.70   | 17.22        | 17.22        | 17.28        |
|           |            | 50      | 0         | 17.70   | 16.79        | 16.80        | 16.56        |
|           |            | 50      | 25        | 17.70   | 16.76        | 16.79        | 16.58        |
|           |            | 50      | 50        | 17.70   | 16.78        | 16.77        | 16.58        |
|           |            | 100     | 0         | 17.70   | 16.67        | 16.75        | 16.61        |
|           | 64QAM      | 1       | 0         | 17.70   | 17.20        | 17.12        | 16.93        |
|           |            | 1       | 50        | 17.70   | 16.96        | 17.11        | 17.12        |
|           |            | 1       | 99        | 17.70   | 17.32        | 17.18        | 17.12        |
|           |            | 50      | 0         | 17.70   | 16.72        | 16.80        | 16.79        |
|           |            | 50      | 25        | 17.70   | 16.72        | 16.86        | 16.78        |
|           |            | 50      | 50        | 17.70   | 16.72        | 16.75        | 16.59        |
|           |            | 100     | 0         | 17.70   | 16.88        | 16.67        | 16.62        |

Table 44: Test results conducted power measurement of LTE Band 2 (Reduced Power Level D1)

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | Max.    | 18607CH | 18900CH | 19193CH |
| 1.4MHz    | QPSK       | 1       | 0         | 17.20   | 16.41   | 16.42   | 16.26   |
|           |            | 1       | 3         | 17.20   | 16.36   | 16.42   | 16.29   |
|           |            | 1       | 5         | 17.20   | 16.34   | 16.39   | 16.29   |
|           |            | 3       | 0         | 17.20   | 16.43   | 16.28   | 16.14   |
|           |            | 3       | 2         | 17.20   | 16.27   | 16.28   | 16.28   |
|           |            | 3       | 3         | 17.20   | 16.27   | 16.43   | 16.15   |
|           |            | 6       | 0         | 17.20   | 16.45   | 16.41   | 16.30   |
|           | 16QAM      | 1       | 0         | 17.20   | 16.48   | 16.32   | 16.40   |
|           |            | 1       | 3         | 17.20   | 16.58   | 16.39   | 16.58   |
|           |            | 1       | 5         | 17.20   | 16.45   | 16.42   | 16.44   |
|           |            | 3       | 0         | 17.20   | 16.33   | 16.42   | 16.13   |
|           |            | 3       | 2         | 17.20   | 16.43   | 16.27   | 16.21   |
|           |            | 3       | 3         | 17.20   | 16.37   | 16.03   | 16.33   |
|           |            | 6       | 0         | 17.20   | 16.36   | 16.18   | 16.11   |
|           | 64QAM      | 1       | 0         | 17.20   | 16.21   | 16.54   | 16.36   |
|           |            | 1       | 3         | 17.20   | 16.56   | 16.23   | 16.41   |
|           |            | 1       | 5         | 17.20   | 16.53   | 16.52   | 16.42   |
|           |            | 3       | 0         | 17.20   | 16.29   | 16.30   | 16.30   |
|           |            | 3       | 2         | 17.20   | 16.32   | 16.29   | 16.28   |
|           |            | 3       | 3         | 17.20   | 16.30   | 16.38   | 16.19   |
|           |            | 6       | 0         | 17.20   | 16.32   | 16.38   | 15.99   |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|           |            |         |           | Max.    | 18615CH | 18900CH | 19185CH |
| 3MHz      | QPSK       | 1       | 0         | 17.20   | 16.29   | 16.41   | 16.27   |
|           |            | 1       | 7         | 17.20   | 16.34   | 16.36   | 16.27   |
|           |            | 1       | 14        | 17.20   | 16.31   | 16.40   | 16.30   |
|           |            | 8       | 0         | 17.20   | 16.27   | 16.31   | 16.19   |
|           |            | 8       | 4         | 17.20   | 16.26   | 16.31   | 16.19   |
|           |            | 8       | 7         | 17.20   | 16.26   | 16.30   | 16.18   |
|           |            | 15      | 0         | 17.20   | 16.37   | 16.17   | 16.20   |
|           | 16QAM      | 1       | 0         | 17.20   | 16.35   | 16.34   | 16.32   |
|           |            | 1       | 7         | 17.20   | 16.50   | 16.54   | 16.40   |
|           |            | 1       | 14        | 17.20   | 16.40   | 16.35   | 16.45   |
|           |            | 8       | 0         | 17.20   | 16.22   | 16.32   | 16.22   |
|           |            | 8       | 4         | 17.20   | 16.19   | 16.31   | 16.21   |
|           |            | 8       | 7         | 17.20   | 16.21   | 16.29   | 16.23   |
|           |            | 15      | 0         | 17.20   | 16.32   | 16.21   | 16.29   |
|           | 64QAM      | 1       | 0         | 17.20   | 16.57   | 16.59   | 16.48   |
|           |            | 1       | 7         | 17.20   | 16.54   | 16.47   | 16.40   |
|           |            | 1       | 14        | 17.20   | 16.67   | 16.62   | 16.50   |
|           |            | 8       | 0         | 17.20   | 16.34   | 16.25   | 16.20   |
|           |            | 8       | 4         | 17.20   | 16.31   | 16.24   | 16.20   |
|           |            | 8       | 7         | 17.20   | 16.33   | 16.35   | 16.13   |
|           |            | 15      | 0         | 17.20   | 16.30   | 16.33   | 16.15   |

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | Max.    | 18625CH | 18900CH | 19175CH |
| 5MHz      | QPSK       | 1       | 0         | 17.20   | 16.33   | 16.36   | 16.39   |
|           |            | 1       | 13        | 17.20   | 16.37   | 16.32   | 16.36   |
|           |            | 1       | 24        | 17.20   | 16.40   | 16.25   | 16.31   |
|           |            | 12      | 0         | 17.20   | 16.38   | 16.27   | 16.21   |
|           |            | 12      | 6         | 17.20   | 16.42   | 16.27   | 16.21   |
|           |            | 12      | 13        | 17.20   | 16.40   | 16.27   | 16.20   |
|           |            | 25      | 0         | 17.20   | 16.34   | 16.33   | 16.33   |
|           | 16QAM      | 1       | 0         | 17.20   | 16.51   | 16.49   | 16.50   |
|           |            | 1       | 13        | 17.20   | 16.61   | 16.36   | 16.69   |
|           |            | 1       | 24        | 17.20   | 16.61   | 16.33   | 16.42   |
|           |            | 12      | 0         | 17.20   | 16.40   | 16.36   | 16.20   |
|           |            | 12      | 6         | 17.20   | 16.28   | 16.34   | 16.35   |
|           |            | 12      | 13        | 17.20   | 16.23   | 16.37   | 16.39   |
|           |            | 25      | 0         | 17.20   | 16.33   | 16.31   | 16.26   |
|           | 64QAM      | 1       | 0         | 17.20   | 16.38   | 16.56   | 16.33   |
|           |            | 1       | 13        | 17.20   | 16.48   | 16.54   | 16.44   |
|           |            | 1       | 24        | 17.20   | 16.31   | 16.60   | 16.46   |
|           |            | 12      | 0         | 17.20   | 16.43   | 16.28   | 16.34   |
|           |            | 12      | 6         | 17.20   | 16.39   | 16.32   | 16.42   |
|           |            | 12      | 13        | 17.20   | 16.36   | 16.35   | 16.42   |
|           |            | 25      | 0         | 17.20   | 16.36   | 16.35   | 16.15   |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|           |            |         |           | Max.    | 18650CH | 18900CH | 19150CH |
| 10MHz     | QPSK       | 1       | 0         | 17.20   | 16.39   | 16.39   | 16.31   |
|           |            | 1       | 25        | 17.20   | 16.39   | 16.40   | 16.36   |
|           |            | 1       | 49        | 17.20   | 16.43   | 16.36   | 16.36   |
|           |            | 25      | 0         | 17.20   | 16.26   | 16.27   | 16.20   |
|           |            | 25      | 13        | 17.20   | 16.25   | 16.27   | 16.20   |
|           |            | 25      | 25        | 17.20   | 16.26   | 16.42   | 16.20   |
|           |            | 50      | 0         | 17.20   | 16.38   | 16.19   | 16.26   |
|           | 16QAM      | 1       | 0         | 17.20   | 16.64   | 16.26   | 16.35   |
|           |            | 1       | 25        | 17.20   | 16.63   | 16.62   | 16.49   |
|           |            | 1       | 49        | 17.20   | 16.45   | 16.56   | 16.52   |
|           |            | 25      | 0         | 17.20   | 16.31   | 16.29   | 16.09   |
|           |            | 25      | 13        | 17.20   | 16.18   | 16.27   | 16.07   |
|           |            | 25      | 25        | 17.20   | 16.39   | 16.29   | 16.09   |
|           |            | 50      | 0         | 17.20   | 16.20   | 16.19   | 16.17   |
|           | 64QAM      | 1       | 0         | 17.20   | 16.55   | 16.38   | 16.39   |
|           |            | 1       | 25        | 17.20   | 16.59   | 16.36   | 16.35   |
|           |            | 1       | 49        | 17.20   | 16.30   | 16.49   | 16.65   |
|           |            | 25      | 0         | 17.20   | 16.34   | 16.37   | 16.35   |
|           |            | 25      | 13        | 17.20   | 16.39   | 16.34   | 16.10   |
|           |            | 25      | 25        | 17.20   | 16.42   | 16.35   | 16.12   |
|           |            | 50      | 0         | 17.20   | 16.37   | 16.20   | 16.36   |

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel      | Channel      | Channel      |
|-----------|------------|---------|-----------|---------|--------------|--------------|--------------|
|           |            |         |           | Max.    | 18675CH      | 18900CH      | 19125CH      |
| 15MHz     | QPSK       | 1       | 0         | 17.20   | 16.37        | 16.45        | 16.34        |
|           |            | 1       | 38        | 17.20   | 16.43        | 16.48        | 16.29        |
|           |            | 1       | 74        | 17.20   | 16.49        | 16.46        | 16.29        |
|           |            | 36      | 0         | 17.20   | 16.29        | 16.40        | 16.26        |
|           |            | 36      | 18        | 17.20   | 16.30        | 16.40        | 16.26        |
|           |            | 36      | 39        | 17.20   | 16.30        | 16.40        | 16.26        |
|           |            | 75      | 0         | 17.20   | 16.38        | 16.36        | 16.22        |
|           | 16QAM      | 1       | 0         | 17.20   | 16.59        | 16.53        | 16.17        |
|           |            | 1       | 38        | 17.20   | 16.51        | 16.54        | 16.32        |
|           |            | 1       | 74        | 17.20   | 16.52        | 16.32        | 16.18        |
|           |            | 36      | 0         | 17.20   | 16.19        | 16.34        | 16.23        |
|           |            | 36      | 18        | 17.20   | 16.22        | 16.36        | 16.19        |
|           |            | 36      | 39        | 17.20   | 16.21        | 16.36        | 16.21        |
|           |            | 75      | 0         | 17.20   | 16.27        | 16.18        | 16.26        |
|           | 64QAM      | 1       | 0         | 17.20   | 16.69        | 16.40        | 16.42        |
|           |            | 1       | 38        | 17.20   | 16.43        | 16.58        | 16.41        |
|           |            | 1       | 74        | 17.20   | 16.53        | 16.50        | 16.40        |
|           |            | 36      | 0         | 17.20   | 16.47        | 16.29        | 16.33        |
|           |            | 36      | 18        | 17.20   | 16.37        | 16.34        | 16.36        |
|           |            | 36      | 39        | 17.20   | 16.42        | 16.33        | 16.29        |
|           |            | 75      | 0         | 17.20   | 16.37        | 16.29        | 16.32        |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel      | Channel      | Channel      |
|           |            |         |           | Max.    | 18700CH      | 18900CH      | 19100CH      |
| 20MHz     | QPSK       | 1       | 0         | 17.20   | 16.63        | 16.51        | 16.58        |
|           |            | 1       | 50        | 17.20   | 16.62        | 16.55        | 16.56        |
|           |            | 1       | 99        | 17.20   | <b>16.64</b> | 16.52        | 16.57        |
|           |            | 50      | 0         | 17.20   | 16.43        | 16.29        | <b>16.48</b> |
|           |            | 50      | 25        | 17.20   | <b>16.47</b> | <b>16.36</b> | 16.18        |
|           |            | 50      | 50        | 17.20   | 16.47        | 16.36        | 16.17        |
|           |            | 100     | 0         | 17.20   | 16.48        | 16.30        | 16.22        |
|           | 16QAM      | 1       | 0         | 17.20   | 16.63        | 16.69        | 16.69        |
|           |            | 1       | 50        | 17.20   | 16.84        | 16.97        | 16.68        |
|           |            | 1       | 99        | 17.20   | 16.79        | 16.86        | 16.56        |
|           |            | 50      | 0         | 17.20   | 16.38        | 16.36        | 16.14        |
|           |            | 50      | 25        | 17.20   | 16.35        | 16.36        | 16.13        |
|           |            | 50      | 50        | 17.20   | 16.38        | 16.34        | 16.15        |
|           |            | 100     | 0         | 17.20   | 16.22        | 16.32        | 16.19        |
|           | 64QAM      | 1       | 0         | 17.20   | 16.68        | 16.49        | 16.62        |
|           |            | 1       | 50        | 17.20   | 16.72        | 16.26        | 16.77        |
|           |            | 1       | 99        | 17.20   | 16.68        | 16.27        | 16.38        |
|           |            | 50      | 0         | 17.20   | 16.23        | 16.35        | 16.29        |
|           |            | 50      | 25        | 17.20   | 16.21        | 16.37        | 16.14        |
|           |            | 50      | 50        | 17.20   | 16.39        | 16.30        | 16.17        |
|           |            | 100     | 0         | 17.20   | 16.40        | 16.37        | 16.20        |

Table 45: Test results conducted power measurement of LTE Band 2 (Reduced Power Level D2)



| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | Max.    | 18607CH | 18900CH | 19193CH |
| 1.4MHz    | QPSK       | 1       | 0         | 13.70   | 12.98   | 12.63   | 12.76   |
|           |            | 1       | 3         | 13.70   | 12.93   | 12.61   | 12.72   |
|           |            | 1       | 5         | 13.70   | 12.92   | 12.63   | 12.74   |
|           |            | 3       | 0         | 13.70   | 12.85   | 12.77   | 12.63   |
|           |            | 3       | 2         | 13.70   | 12.85   | 12.63   | 12.76   |
|           |            | 3       | 3         | 13.70   | 12.82   | 12.76   | 12.63   |
|           |            | 6       | 0         | 13.70   | 12.83   | 12.73   | 12.82   |
|           | 16QAM      | 1       | 0         | 13.70   | 12.85   | 12.75   | 12.68   |
|           |            | 1       | 3         | 13.70   | 12.77   | 12.84   | 12.76   |
|           |            | 1       | 5         | 13.70   | 12.82   | 12.91   | 12.78   |
|           |            | 3       | 0         | 13.70   | 12.91   | 12.74   | 12.85   |
|           |            | 3       | 2         | 13.70   | 12.70   | 12.89   | 12.74   |
|           |            | 3       | 3         | 13.70   | 12.76   | 13.01   | 12.77   |
|           |            | 6       | 0         | 13.70   | 12.88   | 12.83   | 12.68   |
|           | 64QAM      | 1       | 0         | 13.70   | 12.99   | 12.91   | 12.67   |
|           |            | 1       | 3         | 13.70   | 12.94   | 12.93   | 12.69   |
|           |            | 1       | 5         | 13.70   | 12.80   | 12.99   | 12.68   |
|           |            | 3       | 0         | 13.70   | 12.70   | 12.70   | 12.81   |
|           |            | 3       | 2         | 13.70   | 12.57   | 12.95   | 12.84   |
|           |            | 3       | 3         | 13.70   | 13.01   | 12.93   | 12.75   |
|           |            | 6       | 0         | 13.70   | 12.56   | 12.90   | 11.79   |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|           |            |         |           | Max.    | 18615CH | 18900CH | 19185CH |
| 3MHz      | QPSK       | 1       | 0         | 13.70   | 12.86   | 12.64   | 12.83   |
|           |            | 1       | 7         | 13.70   | 12.93   | 12.69   | 12.82   |
|           |            | 1       | 14        | 13.70   | 12.85   | 12.73   | 12.84   |
|           |            | 8       | 0         | 13.70   | 12.67   | 12.78   | 12.70   |
|           |            | 8       | 4         | 13.70   | 12.67   | 12.80   | 12.66   |
|           |            | 8       | 7         | 13.70   | 12.71   | 12.79   | 12.70   |
|           |            | 15      | 0         | 13.70   | 12.72   | 12.70   | 12.84   |
|           | 16QAM      | 1       | 0         | 13.70   | 12.85   | 13.09   | 12.84   |
|           |            | 1       | 7         | 13.70   | 13.09   | 13.00   | 12.89   |
|           |            | 1       | 14        | 13.70   | 13.06   | 13.02   | 12.99   |
|           |            | 8       | 0         | 13.70   | 12.76   | 12.76   | 12.78   |
|           |            | 8       | 4         | 13.70   | 12.87   | 12.75   | 12.82   |
|           |            | 8       | 7         | 13.70   | 12.86   | 12.81   | 12.80   |
|           |            | 15      | 0         | 13.70   | 12.71   | 12.70   | 12.68   |
|           | 64QAM      | 1       | 0         | 13.70   | 12.72   | 13.01   | 12.93   |
|           |            | 1       | 7         | 13.70   | 13.07   | 12.85   | 12.95   |
|           |            | 1       | 14        | 13.70   | 13.05   | 12.95   | 12.95   |
|           |            | 8       | 0         | 13.70   | 12.70   | 12.75   | 12.42   |
|           |            | 8       | 4         | 13.70   | 12.74   | 12.89   | 12.43   |
|           |            | 8       | 7         | 13.70   | 12.74   | 12.74   | 12.38   |
|           |            | 15      | 0         | 13.70   | 12.72   | 12.66   | 12.32   |

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | Max.    | 18625CH | 18900CH | 19175CH |
| 5MHz      | QPSK       | 1       | 0         | 13.70   | 12.67   | 12.66   | 12.74   |
|           |            | 1       | 13        | 13.70   | 12.62   | 12.67   | 12.63   |
|           |            | 1       | 24        | 13.70   | 12.64   | 12.77   | 12.60   |
|           |            | 12      | 0         | 13.70   | 12.76   | 12.72   | 12.68   |
|           |            | 12      | 6         | 13.70   | 12.79   | 12.72   | 12.72   |
|           |            | 12      | 13        | 13.70   | 12.79   | 12.72   | 12.72   |
|           |            | 25      | 0         | 13.70   | 12.76   | 12.85   | 12.85   |
|           | 16QAM      | 1       | 0         | 13.70   | 12.97   | 13.08   | 12.77   |
|           |            | 1       | 13        | 13.70   | 12.82   | 12.77   | 12.84   |
|           |            | 1       | 24        | 13.70   | 13.02   | 12.83   | 12.71   |
|           |            | 12      | 0         | 13.70   | 12.66   | 12.71   | 12.74   |
|           |            | 12      | 6         | 13.70   | 12.75   | 12.73   | 12.66   |
|           |            | 12      | 13        | 13.70   | 12.75   | 12.73   | 12.73   |
|           |            | 25      | 0         | 13.70   | 12.85   | 12.59   | 12.58   |
|           | 64QAM      | 1       | 0         | 13.70   | 12.94   | 12.94   | 12.64   |
|           |            | 1       | 13        | 13.70   | 13.09   | 12.87   | 12.91   |
|           |            | 1       | 24        | 13.70   | 12.93   | 12.95   | 13.04   |
|           |            | 12      | 0         | 13.70   | 12.75   | 12.68   | 12.55   |
|           |            | 12      | 6         | 13.70   | 12.72   | 12.74   | 12.44   |
|           |            | 12      | 13        | 13.70   | 12.69   | 12.69   | 12.52   |
|           |            | 25      | 0         | 13.70   | 12.64   | 12.66   | 12.33   |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|           |            |         |           | Max.    | 18650CH | 18900CH | 19150CH |
| 10MHz     | QPSK       | 1       | 0         | 13.70   | 12.68   | 12.80   | 12.71   |
|           |            | 1       | 25        | 13.70   | 12.68   | 12.83   | 12.73   |
|           |            | 1       | 49        | 13.70   | 12.74   | 12.78   | 12.71   |
|           |            | 25      | 0         | 13.70   | 12.73   | 12.72   | 12.81   |
|           |            | 25      | 13        | 13.70   | 12.73   | 12.72   | 12.80   |
|           |            | 25      | 25        | 13.70   | 12.74   | 12.71   | 12.80   |
|           |            | 50      | 0         | 13.70   | 12.71   | 12.68   | 12.72   |
|           | 16QAM      | 1       | 0         | 13.70   | 12.84   | 12.86   | 12.85   |
|           |            | 1       | 25        | 13.70   | 12.78   | 12.79   | 12.78   |
|           |            | 1       | 49        | 13.70   | 12.81   | 12.77   | 12.84   |
|           |            | 25      | 0         | 13.70   | 12.63   | 12.63   | 12.59   |
|           |            | 25      | 13        | 13.70   | 12.69   | 12.59   | 12.62   |
|           |            | 25      | 25        | 13.70   | 12.65   | 12.58   | 12.59   |
|           |            | 50      | 0         | 13.70   | 12.75   | 12.63   | 12.62   |
|           | 64QAM      | 1       | 0         | 13.70   | 13.20   | 12.90   | 12.82   |
|           |            | 1       | 25        | 13.70   | 12.87   | 12.80   | 12.77   |
|           |            | 1       | 49        | 13.70   | 13.02   | 12.96   | 12.69   |
|           |            | 25      | 0         | 13.70   | 12.72   | 12.70   | 12.20   |
|           |            | 25      | 13        | 13.70   | 12.65   | 12.73   | 12.01   |
|           |            | 25      | 25        | 13.70   | 12.70   | 12.70   | 12.01   |
|           |            | 50      | 0         | 13.70   | 12.56   | 12.66   | 12.21   |

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | Max.    | 18675CH | 18900CH | 19125CH |
| 15MHz     | QPSK       | 1       | 0         | 13.70   | 12.71   | 12.72   | 12.71   |
|           |            | 1       | 38        | 13.70   | 12.69   | 12.74   | 12.71   |
|           |            | 1       | 74        | 13.70   | 12.66   | 12.74   | 12.70   |
|           |            | 36      | 0         | 13.70   | 12.84   | 12.85   | 12.86   |
|           |            | 36      | 18        | 13.70   | 12.84   | 12.86   | 12.85   |
|           |            | 36      | 39        | 13.70   | 12.84   | 12.85   | 12.85   |
|           |            | 75      | 0         | 13.70   | 12.80   | 12.76   | 12.88   |
|           | 16QAM      | 1       | 0         | 13.70   | 12.90   | 12.73   | 12.42   |
|           |            | 1       | 38        | 13.70   | 12.80   | 12.86   | 12.71   |
|           |            | 1       | 74        | 13.70   | 12.70   | 12.83   | 12.71   |
|           |            | 36      | 0         | 13.70   | 12.78   | 12.84   | 12.54   |
|           |            | 36      | 18        | 13.70   | 12.77   | 12.83   | 12.63   |
|           |            | 36      | 39        | 13.70   | 12.77   | 12.80   | 12.62   |
|           |            | 75      | 0         | 13.70   | 12.88   | 12.66   | 12.65   |
|           | 64QAM      | 1       | 0         | 13.70   | 13.00   | 12.97   | 12.87   |
|           |            | 1       | 38        | 13.70   | 12.85   | 13.08   | 12.71   |
|           |            | 1       | 74        | 13.70   | 12.97   | 13.05   | 12.95   |
|           |            | 36      | 0         | 13.70   | 12.69   | 12.83   | 11.80   |
|           |            | 36      | 18        | 13.70   | 12.78   | 12.83   | 11.94   |
|           |            | 36      | 39        | 13.70   | 12.70   | 12.85   | 11.79   |
|           |            | 75      | 0         | 13.70   | 12.64   | 12.76   | 11.92   |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|           |            |         |           | Max.    | 18700CH | 18900CH | 19100CH |
| 20MHz     | QPSK       | 1       | 0         | 13.70   | 12.81   | 12.85   | 12.88   |
|           |            | 1       | 50        | 13.70   | 12.93   | 12.83   | 12.86   |
|           |            | 1       | 99        | 13.70   | 12.85   | 12.91   | 12.87   |
|           |            | 50      | 0         | 13.70   | 12.79   | 12.82   | 12.84   |
|           |            | 50      | 25        | 13.70   | 12.75   | 12.81   | 12.84   |
|           |            | 50      | 50        | 13.70   | 12.77   | 12.81   | 12.83   |
|           |            | 100     | 0         | 13.70   | 12.77   | 12.83   | 12.75   |
|           | 16QAM      | 1       | 0         | 13.70   | 13.10   | 13.14   | 12.94   |
|           |            | 1       | 50        | 13.70   | 13.11   | 13.05   | 13.01   |
|           |            | 1       | 99        | 13.70   | 13.22   | 13.14   | 12.99   |
|           |            | 50      | 0         | 13.70   | 12.76   | 12.68   | 12.63   |
|           |            | 50      | 25        | 13.70   | 12.75   | 12.67   | 12.63   |
|           |            | 50      | 50        | 13.70   | 12.71   | 12.70   | 12.69   |
|           |            | 100     | 0         | 13.70   | 12.81   | 12.64   | 12.69   |
|           | 64QAM      | 1       | 0         | 13.70   | 13.03   | 13.17   | 12.87   |
|           |            | 1       | 50        | 13.70   | 13.04   | 13.02   | 12.99   |
|           |            | 1       | 99        | 13.70   | 13.06   | 13.33   | 12.98   |
|           |            | 50      | 0         | 13.70   | 12.73   | 12.67   | 12.06   |
|           |            | 50      | 25        | 13.70   | 12.65   | 12.72   | 11.88   |
|           |            | 50      | 50        | 13.70   | 12.77   | 12.69   | 12.05   |
|           |            | 100     | 0         | 13.70   | 12.74   | 12.71   | 12.01   |

Table 46: Test results conducted power measurement of LTE Band 2 (Reduced Power Level D3)

Note: The Conducted power measurements of LTE Band 2 is measured with RMS detector.

## 7.1.12 Conducted power measurements of LTE Band 2(Main antenna)

| Bandwidth | Modulation | RB size | RB offset | Tune-up<br>Max. | Channel<br>18607CH | Channel<br>18900CH | Channel<br>19193CH |
|-----------|------------|---------|-----------|-----------------|--------------------|--------------------|--------------------|
| 1.4MHz    | QPSK       | 1       | 0         | 24.20           | 23.00              | 22.81              | 22.68              |
|           |            | 1       | 3         | 24.20           | 22.94              | 22.76              | 22.77              |
|           |            | 1       | 5         | 24.20           | 22.93              | 22.77              | 22.62              |
|           |            | 3       | 0         | 24.20           | 23.04              | 23.00              | 22.77              |
|           |            | 3       | 2         | 24.20           | 23.02              | 23.00              | 22.97              |
|           |            | 3       | 3         | 24.20           | 22.98              | 22.89              | 22.73              |
|           |            | 6       | 0         | 23.20           | 22.36              | 21.87              | 21.94              |
|           | 16QAM      | 1       | 0         | 23.20           | 22.10              | 21.86              | 21.94              |
|           |            | 1       | 3         | 23.20           | 22.10              | 21.96              | 22.10              |
|           |            | 1       | 5         | 23.20           | 22.20              | 21.99              | 22.08              |
|           |            | 3       | 0         | 23.20           | 22.05              | 21.97              | 21.80              |
|           |            | 3       | 2         | 23.20           | 21.98              | 21.92              | 21.89              |
|           |            | 3       | 3         | 23.20           | 22.01              | 21.93              | 21.89              |
|           |            | 6       | 0         | 22.20           | 20.84              | 20.87              | 20.84              |
|           | 64QAM      | 1       | 0         | 22.20           | 21.27              | 21.17              | 21.18              |
|           |            | 1       | 3         | 22.20           | 21.36              | 21.16              | 20.77              |
|           |            | 1       | 5         | 22.20           | 21.09              | 21.09              | 21.12              |
|           |            | 3       | 0         | 22.20           | 21.19              | 21.02              | 20.79              |
|           |            | 3       | 2         | 22.20           | 21.06              | 20.82              | 20.69              |
|           |            | 3       | 3         | 22.20           | 20.95              | 21.01              | 20.79              |
|           |            | 6       | 0         | 21.20           | 20.01              | 20.00              | 19.70              |
| Bandwidth | Modulation | RB size | RB offset | Tune-up<br>Max. | Channel<br>18615CH | Channel<br>18900CH | Channel<br>19185CH |
| 3MHz      | QPSK       | 1       | 0         | 24.20           | 22.87              | 22.84              | 22.65              |
|           |            | 1       | 7         | 24.20           | 22.97              | 22.85              | 22.94              |
|           |            | 1       | 14        | 24.20           | 22.96              | 22.83              | 22.96              |
|           |            | 8       | 0         | 23.20           | 22.07              | 22.02              | 21.81              |
|           |            | 8       | 4         | 23.20           | 22.01              | 22.02              | 21.81              |
|           |            | 8       | 7         | 23.20           | 22.07              | 21.90              | 21.80              |
|           |            | 15      | 0         | 23.20           | 22.12              | 22.04              | 21.82              |
|           | 16QAM      | 1       | 0         | 23.20           | 22.05              | 21.83              | 21.87              |
|           |            | 1       | 7         | 23.20           | 21.95              | 22.01              | 21.91              |
|           |            | 1       | 14        | 23.20           | 22.12              | 21.86              | 21.75              |
|           |            | 8       | 0         | 22.20           | 20.98              | 20.96              | 20.86              |
|           |            | 8       | 4         | 22.20           | 20.98              | 20.85              | 20.82              |
|           |            | 8       | 7         | 22.20           | 20.89              | 20.98              | 20.76              |
|           |            | 15      | 0         | 22.20           | 20.85              | 20.97              | 20.81              |
|           | 64QAM      | 1       | 0         | 22.20           | 21.35              | 21.26              | 20.80              |
|           |            | 1       | 7         | 22.20           | 21.06              | 21.16              | 20.82              |
|           |            | 1       | 14        | 22.20           | 21.09              | 21.02              | 20.84              |
|           |            | 8       | 0         | 21.20           | 20.09              | 20.14              | 19.92              |
|           |            | 8       | 4         | 21.20           | 20.13              | 20.13              | 19.89              |
|           |            | 8       | 7         | 21.20           | 20.15              | 20.10              | 19.92              |
|           |            | 15      | 0         | 21.20           | 20.10              | 20.01              | 19.89              |

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | Max.    | 18625CH | 18900CH | 19175CH |
| 5MHz      | QPSK       | 1       | 0         | 24.20   | 23.04   | 23.03   | 22.84   |
|           |            | 1       | 13        | 24.20   | 23.02   | 23.04   | 22.79   |
|           |            | 1       | 24        | 24.20   | 23.07   | 23.01   | 22.81   |
|           |            | 12      | 0         | 23.20   | 22.15   | 22.01   | 21.85   |
|           |            | 12      | 6         | 23.20   | 22.13   | 22.11   | 21.83   |
|           |            | 12      | 13        | 23.20   | 22.13   | 22.01   | 21.83   |
|           |            | 25      | 0         | 23.20   | 22.09   | 22.00   | 21.83   |
|           | 16QAM      | 1       | 0         | 23.20   | 22.10   | 22.15   | 22.02   |
|           |            | 1       | 13        | 23.20   | 21.95   | 22.22   | 22.02   |
|           |            | 1       | 24        | 23.20   | 22.11   | 22.17   | 21.91   |
|           |            | 12      | 0         | 22.20   | 21.10   | 21.02   | 20.80   |
|           |            | 12      | 6         | 22.20   | 21.15   | 20.98   | 20.81   |
|           |            | 12      | 13        | 22.20   | 21.15   | 20.99   | 20.89   |
|           |            | 25      | 0         | 22.20   | 20.91   | 21.01   | 20.76   |
|           | 64QAM      | 1       | 0         | 22.20   | 21.25   | 21.20   | 21.05   |
|           |            | 1       | 13        | 22.20   | 21.15   | 21.13   | 21.16   |
|           |            | 1       | 24        | 22.20   | 21.21   | 21.09   | 21.05   |
|           |            | 12      | 0         | 21.20   | 20.14   | 20.07   | 19.93   |
|           |            | 12      | 6         | 21.20   | 20.17   | 20.00   | 19.88   |
|           |            | 12      | 13        | 21.20   | 20.19   | 20.09   | 19.85   |
|           |            | 25      | 0         | 21.20   | 20.15   | 19.94   | 19.81   |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|           |            |         |           | Max.    | 18650CH | 18900CH | 19150CH |
| 10MHz     | QPSK       | 1       | 0         | 24.20   | 23.09   | 23.06   | 22.83   |
|           |            | 1       | 25        | 24.20   | 23.04   | 23.03   | 23.04   |
|           |            | 1       | 49        | 24.20   | 22.99   | 23.05   | 22.73   |
|           |            | 25      | 0         | 23.20   | 22.23   | 22.07   | 22.01   |
|           |            | 25      | 13        | 23.20   | 22.12   | 22.00   | 21.76   |
|           |            | 25      | 25        | 23.20   | 22.12   | 22.10   | 22.01   |
|           |            | 50      | 0         | 23.20   | 22.25   | 21.84   | 21.81   |
|           | 16QAM      | 1       | 0         | 23.20   | 22.19   | 22.17   | 21.86   |
|           |            | 1       | 25        | 23.20   | 22.23   | 22.20   | 21.86   |
|           |            | 1       | 49        | 23.20   | 22.20   | 22.22   | 21.91   |
|           |            | 25      | 0         | 22.20   | 21.05   | 20.99   | 20.98   |
|           |            | 25      | 13        | 22.20   | 21.05   | 20.99   | 20.95   |
|           |            | 25      | 25        | 22.20   | 21.07   | 20.96   | 20.91   |
|           |            | 50      | 0         | 22.20   | 20.89   | 21.06   | 20.96   |
|           | 64QAM      | 1       | 0         | 22.20   | 21.43   | 21.15   | 20.95   |
|           |            | 1       | 25        | 22.20   | 21.33   | 21.29   | 21.19   |
|           |            | 1       | 49        | 22.20   | 21.20   | 21.21   | 21.06   |
|           |            | 25      | 0         | 21.20   | 20.07   | 20.02   | 20.00   |
|           |            | 25      | 13        | 21.20   | 20.13   | 20.04   | 19.80   |
|           |            | 25      | 25        | 21.20   | 20.13   | 20.05   | 19.82   |
|           |            | 50      | 0         | 21.20   | 20.03   | 19.98   | 19.82   |

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel      | Channel      | Channel      |
|-----------|------------|---------|-----------|---------|--------------|--------------|--------------|
|           |            |         |           | Max.    | 18675CH      | 18900CH      | 19125CH      |
| 15MHz     | QPSK       | 1       | 0         | 24.20   | 23.01        | 23.02        | 22.77        |
|           |            | 1       | 38        | 24.20   | 23.08        | 22.98        | 22.76        |
|           |            | 1       | 74        | 24.20   | 22.98        | 22.98        | 22.78        |
|           |            | 36      | 0         | 23.20   | 22.12        | 22.11        | 21.86        |
|           |            | 36      | 18        | 23.20   | 22.11        | 22.11        | 21.85        |
|           |            | 36      | 39        | 23.20   | 22.10        | 22.11        | 21.85        |
|           |            | 75      | 0         | 23.20   | 22.16        | 22.05        | 22.04        |
|           | 16QAM      | 1       | 0         | 23.20   | 22.17        | 22.25        | 21.90        |
|           |            | 1       | 38        | 23.20   | 22.06        | 22.09        | 21.79        |
|           |            | 1       | 74        | 23.20   | 21.96        | 22.26        | 21.79        |
|           |            | 36      | 0         | 22.20   | 20.99        | 20.97        | 20.73        |
|           |            | 36      | 18        | 22.20   | 21.02        | 21.07        | 20.72        |
|           |            | 36      | 39        | 22.20   | 21.07        | 21.10        | 20.68        |
|           |            | 75      | 0         | 22.20   | 20.89        | 20.99        | 20.96        |
|           | 64QAM      | 1       | 0         | 22.20   | 21.25        | 21.16        | 21.08        |
|           |            | 1       | 38        | 22.20   | 21.23        | 21.21        | 21.17        |
|           |            | 1       | 74        | 22.20   | 21.39        | 21.23        | 20.92        |
|           |            | 36      | 0         | 21.20   | 20.09        | 20.14        | 19.86        |
|           |            | 36      | 18        | 21.20   | 20.11        | 20.16        | 19.86        |
|           |            | 36      | 39        | 21.20   | 20.11        | 20.15        | 19.99        |
|           |            | 75      | 0         | 21.20   | 20.10        | 20.10        | 19.99        |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel      | Channel      | Channel      |
|           |            |         |           | Max.    | 18700CH      | 18900CH      | 19100CH      |
| 20MHz     | QPSK       | 1       | 0         | 24.20   | <b>23.15</b> | <b>23.10</b> | 22.91        |
|           |            | 1       | 50        | 24.20   | 23.13        | 23.09        | <b>22.94</b> |
|           |            | 1       | 99        | 24.20   | 23.12        | 23.09        | 22.94        |
|           |            | 50      | 0         | 23.20   | 22.11        | 22.16        | 21.99        |
|           |            | 50      | 25        | 23.20   | 22.10        | <b>22.17</b> | 22.00        |
|           |            | 50      | 50        | 23.20   | 22.16        | 22.07        | 21.97        |
|           |            | 100     | 0         | 23.20   | 22.07        | 21.89        | 21.84        |
|           | 16QAM      | 1       | 0         | 23.20   | 22.28        | 22.39        | 22.10        |
|           |            | 1       | 50        | 23.20   | 22.47        | 22.44        | 22.11        |
|           |            | 1       | 99        | 23.20   | 22.23        | 22.37        | 22.12        |
|           |            | 50      | 0         | 22.20   | 21.08        | 21.00        | 20.93        |
|           |            | 50      | 25        | 22.20   | 21.00        | 21.04        | 20.72        |
|           |            | 50      | 50        | 22.20   | 21.10        | 21.06        | 20.96        |
|           |            | 100     | 0         | 22.20   | 20.89        | 20.92        | 20.76        |
|           | 64QAM      | 1       | 0         | 22.20   | 21.27        | 21.26        | 21.31        |
|           |            | 1       | 50        | 22.20   | 21.49        | 21.31        | 21.30        |
|           |            | 1       | 99        | 22.20   | 21.37        | 21.25        | 21.12        |
|           |            | 50      | 0         | 21.20   | 20.16        | 20.09        | 19.85        |
|           |            | 50      | 25        | 21.20   | 20.17        | 20.11        | 20.02        |
|           |            | 50      | 50        | 21.20   | 20.17        | 20.11        | 19.85        |
|           |            | 100     | 0         | 21.20   | 20.04        | 19.99        | 19.87        |

Table 47: Test results conducted power measurement of LTE Band 2 (Full Power)



| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | Max.    | 18607CH | 18900CH | 19193CH |
| 1.4MHz    | QPSK       | 1       | 0         | 22.70   | 21.86   | 21.71   | 21.56   |
|           |            | 1       | 3         | 22.70   | 21.85   | 21.69   | 21.57   |
|           |            | 1       | 5         | 22.70   | 21.85   | 21.72   | 21.52   |
|           |            | 3       | 0         | 22.70   | 21.85   | 21.74   | 21.67   |
|           |            | 3       | 2         | 22.70   | 21.93   | 21.61   | 21.56   |
|           |            | 3       | 3         | 22.70   | 21.77   | 21.60   | 21.55   |
|           |            | 6       | 0         | 22.70   | 21.87   | 21.70   | 21.67   |
|           | 16QAM      | 1       | 0         | 22.70   | 21.87   | 21.71   | 21.50   |
|           |            | 1       | 3         | 22.70   | 21.77   | 21.52   | 21.66   |
|           |            | 1       | 5         | 22.70   | 21.79   | 21.53   | 21.73   |
|           |            | 3       | 0         | 22.70   | 21.71   | 21.68   | 21.52   |
|           |            | 3       | 2         | 22.70   | 21.74   | 21.59   | 21.52   |
|           |            | 3       | 3         | 22.70   | 21.73   | 21.60   | 21.53   |
|           |            | 6       | 0         | 22.20   | 21.18   | 21.11   | 21.05   |
|           | 64QAM      | 1       | 0         | 22.20   | 21.37   | 21.38   | 21.11   |
|           |            | 1       | 3         | 22.20   | 21.41   | 21.39   | 21.12   |
|           |            | 1       | 5         | 22.20   | 21.37   | 21.35   | 21.20   |
|           |            | 3       | 0         | 22.20   | 21.15   | 21.11   | 20.99   |
|           |            | 3       | 2         | 22.20   | 21.30   | 21.17   | 20.93   |
|           |            | 3       | 3         | 22.20   | 21.19   | 21.12   | 21.10   |
|           |            | 6       | 0         | 21.20   | 20.17   | 20.12   | 20.04   |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|           |            |         |           | Max.    | 18615CH | 18900CH | 19185CH |
| 3MHz      | QPSK       | 1       | 0         | 22.70   | 21.66   | 21.64   | 21.65   |
|           |            | 1       | 7         | 22.70   | 21.89   | 21.66   | 21.46   |
|           |            | 1       | 14        | 22.70   | 21.59   | 21.62   | 21.51   |
|           |            | 8       | 0         | 22.70   | 21.73   | 21.62   | 21.52   |
|           |            | 8       | 4         | 22.70   | 21.75   | 21.62   | 21.50   |
|           |            | 8       | 7         | 22.70   | 21.77   | 21.62   | 21.53   |
|           |            | 15      | 0         | 22.70   | 21.79   | 21.65   | 21.59   |
|           | 16QAM      | 1       | 0         | 22.70   | 21.91   | 21.85   | 21.65   |
|           |            | 1       | 7         | 22.70   | 21.86   | 21.61   | 21.59   |
|           |            | 1       | 14        | 22.70   | 21.79   | 21.66   | 21.55   |
|           |            | 8       | 0         | 22.70   | 21.16   | 21.11   | 20.97   |
|           |            | 8       | 4         | 22.70   | 21.23   | 21.15   | 20.98   |
|           |            | 8       | 7         | 22.70   | 21.19   | 21.14   | 20.91   |
|           |            | 15      | 0         | 22.70   | 21.20   | 21.08   | 20.93   |
|           | 64QAM      | 1       | 0         | 22.70   | 21.43   | 21.34   | 21.04   |
|           |            | 1       | 7         | 22.70   | 21.22   | 21.11   | 21.13   |
|           |            | 1       | 14        | 22.70   | 21.41   | 21.25   | 21.19   |
|           |            | 8       | 0         | 21.20   | 20.17   | 20.18   | 20.04   |
|           |            | 8       | 4         | 21.20   | 20.22   | 20.17   | 20.07   |
|           |            | 8       | 7         | 21.20   | 20.29   | 20.11   | 20.06   |
|           |            | 15      | 0         | 21.20   | 20.37   | 20.30   | 20.02   |

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | Max.    | 18625CH | 18900CH | 19175CH |
| 5MHz      | QPSK       | 1       | 0         | 22.70   | 21.78   | 21.67   | 21.63   |
|           |            | 1       | 13        | 22.70   | 21.86   | 21.71   | 21.61   |
|           |            | 1       | 24        | 22.70   | 21.87   | 21.72   | 21.66   |
|           |            | 12      | 0         | 22.70   | 21.73   | 21.66   | 21.56   |
|           |            | 12      | 6         | 22.70   | 21.75   | 21.67   | 21.58   |
|           |            | 12      | 13        | 22.70   | 21.79   | 21.67   | 21.57   |
|           |            | 25      | 0         | 22.70   | 21.95   | 21.59   | 21.55   |
|           | 16QAM      | 1       | 0         | 22.70   | 21.75   | 21.68   | 21.61   |
|           |            | 1       | 13        | 22.70   | 21.72   | 21.80   | 21.51   |
|           |            | 1       | 24        | 22.70   | 21.92   | 21.61   | 21.73   |
|           |            | 12      | 0         | 22.70   | 21.23   | 21.14   | 20.96   |
|           |            | 12      | 6         | 22.70   | 21.20   | 21.12   | 20.99   |
|           |            | 12      | 13        | 22.70   | 21.22   | 21.15   | 20.94   |
|           |            | 25      | 0         | 22.70   | 21.03   | 21.06   | 20.92   |
|           | 64QAM      | 1       | 0         | 22.70   | 21.43   | 21.18   | 21.17   |
|           |            | 1       | 13        | 22.70   | 21.53   | 21.21   | 21.19   |
|           |            | 1       | 24        | 22.70   | 21.31   | 21.30   | 21.18   |
|           |            | 12      | 0         | 21.20   | 20.25   | 20.17   | 20.05   |
|           |            | 12      | 6         | 21.20   | 20.25   | 20.18   | 20.08   |
|           |            | 12      | 13        | 21.20   | 20.23   | 20.18   | 20.00   |
|           |            | 25      | 0         | 21.20   | 20.38   | 20.11   | 20.06   |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|           |            |         |           | Max.    | 18650CH | 18900CH | 19150CH |
| 10MHz     | QPSK       | 1       | 0         | 22.70   | 21.83   | 21.52   | 21.65   |
|           |            | 1       | 25        | 22.70   | 21.82   | 21.61   | 21.43   |
|           |            | 1       | 49        | 22.70   | 21.81   | 21.75   | 21.48   |
|           |            | 25      | 0         | 22.70   | 21.77   | 21.46   | 21.48   |
|           |            | 25      | 13        | 22.70   | 21.69   | 21.48   | 21.63   |
|           |            | 25      | 25        | 22.70   | 21.71   | 21.54   | 21.48   |
|           |            | 50      | 0         | 22.70   | 21.72   | 21.50   | 21.45   |
|           | 16QAM      | 1       | 0         | 22.70   | 21.88   | 21.62   | 21.71   |
|           |            | 1       | 25        | 22.70   | 22.05   | 21.86   | 21.75   |
|           |            | 1       | 49        | 22.70   | 21.93   | 21.69   | 21.50   |
|           |            | 25      | 0         | 22.70   | 21.20   | 21.03   | 21.15   |
|           |            | 25      | 13        | 22.70   | 21.09   | 21.03   | 21.09   |
|           |            | 25      | 25        | 22.70   | 21.32   | 21.03   | 20.97   |
|           |            | 50      | 0         | 22.70   | 20.98   | 20.99   | 21.13   |
|           | 64QAM      | 1       | 0         | 22.70   | 21.49   | 21.21   | 21.06   |
|           |            | 1       | 25        | 22.70   | 21.33   | 21.24   | 21.08   |
|           |            | 1       | 49        | 22.70   | 21.37   | 21.19   | 20.92   |
|           |            | 25      | 0         | 21.20   | 20.36   | 20.10   | 20.22   |
|           |            | 25      | 13        | 21.20   | 20.33   | 20.09   | 19.90   |
|           |            | 25      | 25        | 21.20   | 20.18   | 20.11   | 19.98   |
|           |            | 50      | 0         | 21.20   | 20.17   | 20.07   | 20.01   |

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | Max.    | 18675CH | 18900CH | 19125CH |
| 15MHz     | QPSK       | 1       | 0         | 22.70   | 21.66   | 21.73   | 21.53   |
|           |            | 1       | 38        | 22.70   | 21.66   | 21.74   | 21.52   |
|           |            | 1       | 74        | 22.70   | 21.94   | 21.72   | 21.55   |
|           |            | 36      | 0         | 22.70   | 21.78   | 21.66   | 21.52   |
|           |            | 36      | 18        | 22.70   | 21.77   | 21.66   | 21.50   |
|           |            | 36      | 39        | 22.70   | 21.79   | 21.74   | 21.54   |
|           |            | 75      | 0         | 22.70   | 21.94   | 21.53   | 21.61   |
|           | 16QAM      | 1       | 0         | 22.70   | 21.94   | 21.84   | 21.43   |
|           |            | 1       | 38        | 22.70   | 21.97   | 21.71   | 21.78   |
|           |            | 1       | 74        | 22.70   | 22.03   | 21.73   | 21.69   |
|           |            | 36      | 0         | 22.70   | 21.15   | 21.07   | 21.09   |
|           |            | 36      | 18        | 22.70   | 21.21   | 21.11   | 20.89   |
|           |            | 36      | 39        | 22.70   | 21.21   | 21.07   | 21.08   |
|           |            | 75      | 0         | 22.70   | 21.06   | 20.96   | 21.11   |
|           | 64QAM      | 1       | 0         | 22.70   | 21.49   | 21.36   | 21.14   |
|           |            | 1       | 38        | 22.70   | 21.31   | 21.30   | 21.17   |
|           |            | 1       | 74        | 22.70   | 21.24   | 21.24   | 20.94   |
|           |            | 36      | 0         | 21.20   | 20.25   | 20.17   | 20.20   |
|           |            | 36      | 18        | 21.20   | 20.25   | 20.14   | 20.19   |
|           |            | 36      | 39        | 21.20   | 20.27   | 20.17   | 20.17   |
|           |            | 75      | 0         | 21.20   | 20.19   | 20.14   | 20.04   |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|           |            |         |           | Max.    | 18700CH | 18900CH | 19100CH |
| 20MHz     | QPSK       | 1       | 0         | 22.70   | 21.85   | 21.86   | 21.78   |
|           |            | 1       | 50        | 22.70   | 22.02   | 21.84   | 21.76   |
|           |            | 1       | 99        | 22.70   | 21.90   | 21.86   | 21.77   |
|           |            | 50      | 0         | 22.70   | 21.77   | 21.70   | 21.49   |
|           |            | 50      | 25        | 22.70   | 21.75   | 21.68   | 21.51   |
|           |            | 50      | 50        | 22.70   | 21.76   | 21.65   | 21.51   |
|           |            | 100     | 0         | 22.70   | 21.76   | 21.56   | 21.52   |
|           | 16QAM      | 1       | 0         | 22.70   | 22.05   | 21.91   | 21.76   |
|           |            | 1       | 50        | 22.70   | 22.11   | 21.85   | 21.80   |
|           |            | 1       | 99        | 22.70   | 22.04   | 21.78   | 21.83   |
|           |            | 50      | 0         | 22.70   | 21.18   | 21.26   | 20.95   |
|           |            | 50      | 25        | 22.70   | 21.19   | 21.08   | 20.97   |
|           |            | 50      | 50        | 22.70   | 21.16   | 21.14   | 20.94   |
|           |            | 100     | 0         | 22.70   | 21.12   | 21.04   | 20.96   |
|           | 64QAM      | 1       | 0         | 22.70   | 21.40   | 21.60   | 21.49   |
|           |            | 1       | 50        | 22.70   | 21.46   | 21.30   | 21.48   |
|           |            | 1       | 99        | 22.70   | 21.50   | 21.51   | 21.43   |
|           |            | 50      | 0         | 21.20   | 20.27   | 20.31   | 19.97   |
|           |            | 50      | 25        | 21.20   | 20.26   | 20.29   | 20.03   |
|           |            | 50      | 50        | 21.20   | 20.23   | 20.17   | 19.97   |
|           |            | 100     | 0         | 21.20   | 20.14   | 20.22   | 20.03   |

Table 48: Test results conducted power measurement of LTE Band 2 (Reduced Power Level D1)

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | Max.    | 18607CH | 18900CH | 19193CH |
| 1.4MHz    | QPSK       | 1       | 0         | 21.70   | 20.83   | 20.75   | 20.64   |
|           |            | 1       | 3         | 21.70   | 20.82   | 20.77   | 20.71   |
|           |            | 1       | 5         | 21.70   | 20.95   | 20.74   | 20.71   |
|           |            | 3       | 0         | 21.70   | 20.80   | 20.82   | 20.71   |
|           |            | 3       | 2         | 21.70   | 20.75   | 20.73   | 20.70   |
|           |            | 3       | 3         | 21.70   | 20.87   | 20.74   | 20.69   |
|           |            | 6       | 0         | 21.70   | 20.97   | 20.78   | 20.72   |
|           | 16QAM      | 1       | 0         | 21.70   | 20.97   | 20.89   | 20.87   |
|           |            | 1       | 3         | 21.70   | 20.87   | 20.81   | 20.71   |
|           |            | 1       | 5         | 21.70   | 20.96   | 20.90   | 20.70   |
|           |            | 3       | 0         | 21.70   | 20.79   | 20.63   | 20.69   |
|           |            | 3       | 2         | 21.70   | 20.78   | 20.70   | 20.68   |
|           |            | 3       | 3         | 21.70   | 20.86   | 20.71   | 20.65   |
|           |            | 6       | 0         | 21.70   | 20.64   | 20.65   | 20.66   |
|           | 64QAM      | 1       | 0         | 21.70   | 20.84   | 20.86   | 20.82   |
|           |            | 1       | 3         | 21.70   | 20.90   | 20.92   | 20.81   |
|           |            | 1       | 5         | 21.70   | 20.88   | 20.91   | 20.74   |
|           |            | 3       | 0         | 21.70   | 20.73   | 20.74   | 20.57   |
|           |            | 3       | 2         | 21.70   | 20.88   | 20.73   | 20.56   |
|           |            | 3       | 3         | 21.70   | 20.73   | 20.59   | 20.65   |
|           |            | 6       | 0         | 21.20   | 20.13   | 20.07   | 19.98   |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|           |            |         |           | Max.    | 18615CH | 18900CH | 19185CH |
| 3MHz      | QPSK       | 1       | 0         | 21.70   | 20.85   | 20.75   | 20.72   |
|           |            | 1       | 7         | 21.70   | 20.84   | 20.76   | 20.62   |
|           |            | 1       | 14        | 21.70   | 20.84   | 20.77   | 20.61   |
|           |            | 8       | 0         | 21.70   | 20.73   | 20.65   | 20.54   |
|           |            | 8       | 4         | 21.70   | 20.84   | 20.67   | 20.54   |
|           |            | 8       | 7         | 21.70   | 20.75   | 20.63   | 20.67   |
|           |            | 15      | 0         | 21.70   | 20.77   | 20.68   | 20.81   |
|           | 16QAM      | 1       | 0         | 21.70   | 20.79   | 20.68   | 20.71   |
|           |            | 1       | 7         | 21.70   | 20.94   | 20.76   | 20.67   |
|           |            | 1       | 14        | 21.70   | 20.98   | 20.87   | 20.68   |
|           |            | 8       | 0         | 21.70   | 20.75   | 20.64   | 20.49   |
|           |            | 8       | 4         | 21.70   | 20.74   | 20.60   | 20.47   |
|           |            | 8       | 7         | 21.70   | 20.70   | 20.65   | 20.50   |
|           |            | 15      | 0         | 21.70   | 20.71   | 20.64   | 20.51   |
|           | 64QAM      | 1       | 0         | 21.70   | 20.79   | 20.69   | 20.62   |
|           |            | 1       | 7         | 21.70   | 20.81   | 20.79   | 20.65   |
|           |            | 1       | 14        | 21.70   | 20.90   | 20.86   | 20.58   |
|           |            | 8       | 0         | 21.20   | 20.20   | 20.08   | 20.05   |
|           |            | 8       | 4         | 21.20   | 20.23   | 20.13   | 20.08   |
|           |            | 8       | 7         | 21.20   | 20.24   | 20.08   | 20.05   |
|           |            | 15      | 0         | 21.20   | 20.33   | 20.28   | 20.02   |

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | Max.    | 18625CH | 18900CH | 19175CH |
| 5MHz      | QPSK       | 1       | 0         | 21.70   | 20.86   | 20.72   | 20.67   |
|           |            | 1       | 13        | 21.70   | 20.86   | 20.79   | 20.65   |
|           |            | 1       | 24        | 21.70   | 20.92   | 20.73   | 20.65   |
|           |            | 12      | 0         | 21.70   | 20.75   | 20.74   | 20.66   |
|           |            | 12      | 6         | 21.70   | 20.74   | 20.75   | 20.67   |
|           |            | 12      | 13        | 21.70   | 20.86   | 20.74   | 20.67   |
|           |            | 25      | 0         | 21.70   | 20.95   | 20.61   | 20.54   |
|           | 16QAM      | 1       | 0         | 21.70   | 21.06   | 20.74   | 20.87   |
|           |            | 1       | 13        | 21.70   | 20.96   | 20.69   | 20.61   |
|           |            | 1       | 24        | 21.70   | 20.91   | 20.88   | 20.63   |
|           |            | 12      | 0         | 21.70   | 20.74   | 20.61   | 20.54   |
|           |            | 12      | 6         | 21.70   | 20.71   | 20.63   | 20.54   |
|           |            | 12      | 13        | 21.70   | 20.73   | 20.60   | 20.52   |
|           |            | 25      | 0         | 21.70   | 20.80   | 20.57   | 20.62   |
|           | 64QAM      | 1       | 0         | 21.70   | 20.84   | 20.85   | 20.57   |
|           |            | 1       | 13        | 21.70   | 20.78   | 20.71   | 20.52   |
|           |            | 1       | 24        | 21.70   | 20.90   | 20.79   | 20.66   |
|           |            | 12      | 0         | 21.20   | 20.31   | 20.14   | 20.05   |
|           |            | 12      | 6         | 21.20   | 20.29   | 20.16   | 20.04   |
|           |            | 12      | 13        | 21.20   | 20.27   | 20.13   | 20.06   |
|           |            | 25      | 0         | 21.20   | 20.36   | 20.11   | 19.97   |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|           |            |         |           | Max.    | 18650CH | 18900CH | 19150CH |
| 10MHz     | QPSK       | 1       | 0         | 21.70   | 20.85   | 20.57   | 20.69   |
|           |            | 1       | 25        | 21.70   | 20.90   | 20.71   | 20.57   |
|           |            | 1       | 49        | 21.70   | 20.81   | 20.76   | 20.68   |
|           |            | 25      | 0         | 21.70   | 20.80   | 20.44   | 20.62   |
|           |            | 25      | 13        | 21.70   | 20.78   | 20.53   | 20.63   |
|           |            | 25      | 25        | 21.70   | 20.76   | 20.56   | 20.63   |
|           |            | 50      | 0         | 21.70   | 20.74   | 20.53   | 20.53   |
|           | 16QAM      | 1       | 0         | 21.70   | 20.90   | 21.03   | 20.86   |
|           |            | 1       | 25        | 21.70   | 20.80   | 20.90   | 20.48   |
|           |            | 1       | 49        | 21.70   | 20.87   | 20.78   | 20.46   |
|           |            | 25      | 0         | 21.70   | 20.72   | 20.56   | 20.61   |
|           |            | 25      | 13        | 21.70   | 20.62   | 20.53   | 20.59   |
|           |            | 25      | 25        | 21.70   | 20.83   | 20.58   | 20.43   |
|           |            | 50      | 0         | 21.70   | 20.52   | 20.48   | 20.64   |
|           | 64QAM      | 1       | 0         | 21.70   | 20.95   | 20.79   | 20.48   |
|           |            | 1       | 25        | 21.70   | 20.91   | 20.72   | 20.48   |
|           |            | 1       | 49        | 21.70   | 20.81   | 20.72   | 20.55   |
|           |            | 25      | 0         | 21.20   | 20.34   | 20.06   | 20.21   |
|           |            | 25      | 13        | 21.20   | 20.33   | 20.09   | 19.92   |
|           |            | 25      | 25        | 21.20   | 20.15   | 20.11   | 19.91   |
|           |            | 50      | 0         | 21.20   | 20.10   | 20.07   | 20.02   |

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel      | Channel      | Channel      |
|-----------|------------|---------|-----------|---------|--------------|--------------|--------------|
|           |            |         |           | Max.    | 18675CH      | 18900CH      | 19125CH      |
| 15MHz     | QPSK       | 1       | 0         | 21.70   | 20.91        | 20.81        | 20.63        |
|           |            | 1       | 38        | 21.70   | 20.91        | 20.84        | 20.64        |
|           |            | 1       | 74        | 21.70   | 20.76        | 20.78        | 20.66        |
|           |            | 36      | 0         | 21.70   | 20.87        | 20.81        | 20.61        |
|           |            | 36      | 18        | 21.70   | 20.86        | 20.69        | 20.61        |
|           |            | 36      | 39        | 21.70   | 20.86        | 20.81        | 20.65        |
|           |            | 75      | 0         | 21.70   | 20.95        | 20.74        | 20.68        |
|           | 16QAM      | 1       | 0         | 21.70   | 21.04        | 20.78        | 20.73        |
|           |            | 1       | 38        | 21.70   | 21.13        | 20.78        | 20.70        |
|           |            | 1       | 74        | 21.70   | 20.95        | 20.77        | 20.81        |
|           |            | 36      | 0         | 21.70   | 20.72        | 20.64        | 20.48        |
|           |            | 36      | 18        | 21.70   | 20.71        | 20.62        | 20.42        |
|           |            | 36      | 39        | 21.70   | 20.72        | 20.59        | 20.49        |
|           |            | 75      | 0         | 21.70   | 20.64        | 20.56        | 20.59        |
|           | 64QAM      | 1       | 0         | 21.70   | 20.98        | 20.92        | 20.68        |
|           |            | 1       | 38        | 21.70   | 20.96        | 20.76        | 20.62        |
|           |            | 1       | 74        | 21.70   | 20.85        | 20.84        | 20.68        |
|           |            | 36      | 0         | 21.20   | 20.24        | 20.18        | 20.15        |
|           |            | 36      | 18        | 21.20   | 20.26        | 20.16        | 20.15        |
|           |            | 36      | 39        | 21.20   | 20.23        | 20.17        | 20.18        |
|           |            | 75      | 0         | 21.20   | 20.22        | 20.08        | 20.05        |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel      | Channel      | Channel      |
|           |            |         |           | Max.    | 18700CH      | 18900CH      | 19100CH      |
| 20MHz     | QPSK       | 1       | 0         | 21.70   | 21.11        | 20.95        | 20.88        |
|           |            | 1       | 50        | 21.70   | <b>21.12</b> | 20.98        | 20.80        |
|           |            | 1       | 99        | 21.70   | 21.07        | 20.98        | 20.85        |
|           |            | 50      | 0         | 21.70   | 20.80        | <b>20.85</b> | 20.54        |
|           |            | 50      | 25        | 21.70   | 20.80        | 20.66        | <b>20.65</b> |
|           |            | 50      | 50        | 21.70   | <b>20.81</b> | 20.65        | 20.64        |
|           |            | 100     | 0         | 21.70   | 20.74        | 20.61        | 20.57        |
|           | 16QAM      | 1       | 0         | 21.70   | 21.25        | 20.97        | 20.97        |
|           |            | 1       | 50        | 21.70   | 21.11        | 21.10        | 21.01        |
|           |            | 1       | 99        | 21.70   | 21.14        | 21.16        | 20.88        |
|           |            | 50      | 0         | 21.70   | 20.79        | 20.75        | 20.45        |
|           |            | 50      | 25        | 21.70   | 20.80        | 20.61        | 20.44        |
|           |            | 50      | 50        | 21.70   | 20.66        | 20.62        | 20.50        |
|           |            | 100     | 0         | 21.70   | 20.63        | 20.74        | 20.47        |
|           | 64QAM      | 1       | 0         | 21.70   | 21.10        | 21.06        | 20.91        |
|           |            | 1       | 50        | 21.70   | 21.00        | 21.05        | 21.05        |
|           |            | 1       | 99        | 21.70   | 21.12        | 20.92        | 20.97        |
|           |            | 50      | 0         | 21.20   | 20.27        | 20.32        | 19.99        |
|           |            | 50      | 25        | 21.20   | 20.22        | 20.29        | 20.03        |
|           |            | 50      | 50        | 21.20   | 20.23        | 20.15        | 19.97        |
|           |            | 100     | 0         | 21.20   | 20.18        | 20.21        | 20.05        |

Table 49: Test results conducted power measurement of LTE Band 2 (Reduced Power Level D3/D5/D6)



| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | Max.    | 18607CH | 18900CH | 19193CH |
| 1.4MHz    | QPSK       | 1       | 0         | 20.20   | 19.33   | 19.41   | 19.30   |
|           |            | 1       | 3         | 20.20   | 19.58   | 19.41   | 19.26   |
|           |            | 1       | 5         | 20.20   | 19.39   | 19.37   | 19.23   |
|           |            | 3       | 0         | 20.20   | 19.28   | 19.22   | 19.17   |
|           |            | 3       | 2         | 20.20   | 19.35   | 19.34   | 19.14   |
|           |            | 3       | 3         | 20.20   | 19.50   | 19.08   | 19.26   |
|           |            | 6       | 0         | 20.20   | 19.54   | 19.27   | 19.27   |
|           | 16QAM      | 1       | 0         | 20.20   | 19.50   | 19.46   | 19.30   |
|           |            | 1       | 3         | 20.20   | 19.58   | 19.40   | 19.31   |
|           |            | 1       | 5         | 20.20   | 19.66   | 19.38   | 19.36   |
|           |            | 3       | 0         | 20.20   | 19.14   | 19.21   | 19.28   |
|           |            | 3       | 2         | 20.20   | 19.41   | 19.23   | 19.24   |
|           |            | 3       | 3         | 20.20   | 19.37   | 19.19   | 19.12   |
|           |            | 6       | 0         | 20.20   | 19.28   | 19.23   | 19.10   |
|           | 64QAM      | 1       | 0         | 20.20   | 19.44   | 19.50   | 19.51   |
|           |            | 1       | 3         | 20.20   | 19.65   | 19.43   | 19.51   |
|           |            | 1       | 5         | 20.20   | 19.51   | 19.46   | 19.36   |
|           |            | 3       | 0         | 20.20   | 19.20   | 19.35   | 19.22   |
|           |            | 3       | 2         | 20.20   | 19.35   | 19.27   | 19.20   |
|           |            | 3       | 3         | 20.20   | 19.26   | 19.36   | 19.07   |
|           |            | 6       | 0         | 20.20   | 19.14   | 19.12   | 19.10   |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|           |            |         |           | Max.    | 18615CH | 18900CH | 19185CH |
| 3MHz      | QPSK       | 1       | 0         | 20.20   | 19.27   | 19.32   | 19.18   |
|           |            | 1       | 7         | 20.20   | 19.39   | 19.29   | 19.18   |
|           |            | 1       | 14        | 20.20   | 19.21   | 19.34   | 19.21   |
|           |            | 8       | 0         | 20.20   | 19.33   | 19.21   | 19.16   |
|           |            | 8       | 4         | 20.20   | 19.40   | 19.30   | 19.16   |
|           |            | 8       | 7         | 20.20   | 19.35   | 19.22   | 19.20   |
|           |            | 15      | 0         | 20.20   | 19.35   | 19.28   | 19.18   |
|           | 16QAM      | 1       | 0         | 20.20   | 19.56   | 19.54   | 19.31   |
|           |            | 1       | 7         | 20.20   | 19.38   | 19.41   | 19.19   |
|           |            | 1       | 14        | 20.20   | 19.42   | 19.43   | 19.24   |
|           |            | 8       | 0         | 20.20   | 19.27   | 19.20   | 19.18   |
|           |            | 8       | 4         | 20.20   | 19.23   | 19.24   | 19.15   |
|           |            | 8       | 7         | 20.20   | 19.29   | 19.25   | 19.12   |
|           |            | 15      | 0         | 20.20   | 19.20   | 19.08   | 19.08   |
|           | 64QAM      | 1       | 0         | 20.20   | 19.58   | 19.37   | 19.22   |
|           |            | 1       | 7         | 20.20   | 19.41   | 19.33   | 19.10   |
|           |            | 1       | 14        | 20.20   | 19.34   | 19.32   | 19.17   |
|           |            | 8       | 0         | 20.20   | 19.25   | 19.18   | 19.14   |
|           |            | 8       | 4         | 20.20   | 19.19   | 19.17   | 19.18   |
|           |            | 8       | 7         | 20.20   | 19.30   | 19.16   | 19.16   |
|           |            | 15      | 0         | 20.20   | 19.37   | 19.26   | 19.10   |

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | Max.    | 18625CH | 18900CH | 19175CH |
| 5MHz      | QPSK       | 1       | 0         | 20.20   | 19.39   | 19.33   | 19.26   |
|           |            | 1       | 13        | 20.20   | 19.40   | 19.31   | 19.24   |
|           |            | 1       | 24        | 20.20   | 19.39   | 19.32   | 19.24   |
|           |            | 12      | 0         | 20.20   | 19.38   | 19.31   | 19.24   |
|           |            | 12      | 6         | 20.20   | 19.38   | 19.31   | 19.24   |
|           |            | 12      | 13        | 20.20   | 19.45   | 19.30   | 19.22   |
|           |            | 25      | 0         | 20.20   | 19.48   | 19.15   | 19.10   |
|           | 16QAM      | 1       | 0         | 20.20   | 19.42   | 19.48   | 19.44   |
|           |            | 1       | 13        | 20.20   | 19.59   | 19.41   | 19.29   |
|           |            | 1       | 24        | 20.20   | 19.51   | 19.41   | 19.31   |
|           |            | 12      | 0         | 20.20   | 19.36   | 19.18   | 19.12   |
|           |            | 12      | 6         | 20.20   | 19.34   | 19.29   | 19.08   |
|           |            | 12      | 13        | 20.20   | 19.37   | 19.21   | 19.10   |
|           |            | 25      | 0         | 20.20   | 19.12   | 19.05   | 19.15   |
|           | 64QAM      | 1       | 0         | 20.20   | 19.40   | 19.31   | 19.25   |
|           |            | 1       | 13        | 20.20   | 19.50   | 19.31   | 19.33   |
|           |            | 1       | 24        | 20.20   | 19.49   | 19.30   | 19.28   |
|           |            | 12      | 0         | 20.20   | 19.29   | 19.20   | 19.07   |
|           |            | 12      | 6         | 20.20   | 19.27   | 19.26   | 19.06   |
|           |            | 12      | 13        | 20.20   | 19.27   | 19.25   | 19.06   |
|           |            | 25      | 0         | 20.20   | 19.36   | 19.11   | 19.05   |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|           |            |         |           | Max.    | 18650CH | 18900CH | 19150CH |
| 10MHz     | QPSK       | 1       | 0         | 20.20   | 19.37   | 19.10   | 19.04   |
|           |            | 1       | 25        | 20.20   | 19.43   | 19.21   | 19.04   |
|           |            | 1       | 49        | 20.20   | 19.35   | 19.33   | 19.08   |
|           |            | 25      | 0         | 20.20   | 19.38   | 19.05   | 19.10   |
|           |            | 25      | 13        | 20.20   | 19.30   | 19.13   | 19.17   |
|           |            | 25      | 25        | 20.20   | 19.35   | 19.20   | 19.10   |
|           |            | 50      | 0         | 20.20   | 19.25   | 19.09   | 19.02   |
|           | 16QAM      | 1       | 0         | 20.20   | 19.55   | 19.49   | 19.29   |
|           |            | 1       | 25        | 20.20   | 19.68   | 19.41   | 19.12   |
|           |            | 1       | 49        | 20.20   | 19.54   | 19.53   | 19.40   |
|           |            | 25      | 0         | 20.20   | 19.27   | 19.11   | 19.11   |
|           |            | 25      | 13        | 20.20   | 19.21   | 19.10   | 19.07   |
|           |            | 25      | 25        | 20.20   | 19.32   | 19.08   | 18.99   |
|           |            | 50      | 0         | 20.20   | 19.10   | 19.00   | 19.14   |
|           | 64QAM      | 1       | 0         | 20.20   | 19.39   | 19.30   | 19.09   |
|           |            | 1       | 25        | 20.20   | 19.45   | 19.34   | 19.11   |
|           |            | 1       | 49        | 20.20   | 19.50   | 19.31   | 19.06   |
|           |            | 25      | 0         | 20.20   | 19.31   | 19.15   | 19.17   |
|           |            | 25      | 13        | 20.20   | 19.41   | 19.11   | 18.92   |
|           |            | 25      | 25        | 20.20   | 19.21   | 19.16   | 19.02   |
|           |            | 50      | 0         | 20.20   | 19.12   | 19.08   | 19.03   |

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | Max.    | 18675CH | 18900CH | 19125CH |
| 15MHz     | QPSK       | 1       | 0         | 20.20   | 19.23   | 19.39   | 19.19   |
|           |            | 1       | 38        | 20.20   | 19.25   | 19.37   | 19.21   |
|           |            | 1       | 74        | 20.20   | 19.39   | 19.34   | 19.17   |
|           |            | 36      | 0         | 20.20   | 19.40   | 19.31   | 19.14   |
|           |            | 36      | 18        | 20.20   | 19.40   | 19.21   | 19.12   |
|           |            | 36      | 39        | 20.20   | 19.42   | 19.36   | 19.16   |
|           |            | 75      | 0         | 20.20   | 19.49   | 19.09   | 19.24   |
|           | 16QAM      | 1       | 0         | 20.20   | 19.50   | 19.39   | 19.40   |
|           |            | 1       | 38        | 20.20   | 19.50   | 19.58   | 19.04   |
|           |            | 1       | 74        | 20.20   | 19.46   | 19.59   | 19.39   |
|           |            | 36      | 0         | 20.20   | 19.23   | 19.15   | 19.12   |
|           |            | 36      | 18        | 20.20   | 19.28   | 19.16   | 18.98   |
|           |            | 36      | 39        | 20.20   | 19.29   | 19.18   | 19.11   |
|           |            | 75      | 0         | 20.20   | 19.17   | 19.06   | 19.16   |
|           | 64QAM      | 1       | 0         | 20.20   | 19.61   | 19.66   | 19.16   |
|           |            | 1       | 38        | 20.20   | 19.39   | 19.55   | 19.20   |
|           |            | 1       | 74        | 20.20   | 19.42   | 19.39   | 19.14   |
|           |            | 36      | 0         | 20.20   | 19.26   | 19.15   | 19.09   |
|           |            | 36      | 18        | 20.20   | 19.27   | 19.14   | 19.08   |
|           |            | 36      | 39        | 20.20   | 19.28   | 19.19   | 19.08   |
|           |            | 75      | 0         | 20.20   | 19.26   | 19.14   | 19.07   |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|           |            |         |           | Max.    | 18700CH | 18900CH | 19100CH |
| 20MHz     | QPSK       | 1       | 0         | 20.20   | 19.43   | 19.49   | 19.20   |
|           |            | 1       | 50        | 20.20   | 19.41   | 19.42   | 19.47   |
|           |            | 1       | 99        | 20.20   | 19.41   | 19.45   | 19.44   |
|           |            | 50      | 0         | 20.20   | 19.41   | 19.35   | 19.16   |
|           |            | 50      | 25        | 20.20   | 19.41   | 19.29   | 19.15   |
|           |            | 50      | 50        | 20.20   | 19.41   | 19.30   | 19.15   |
|           |            | 100     | 0         | 20.20   | 19.28   | 19.11   | 19.13   |
|           | 16QAM      | 1       | 0         | 20.20   | 19.75   | 19.75   | 19.58   |
|           |            | 1       | 50        | 20.20   | 19.63   | 19.66   | 19.52   |
|           |            | 1       | 99        | 20.20   | 19.76   | 19.64   | 19.43   |
|           |            | 50      | 0         | 20.20   | 19.32   | 19.24   | 19.04   |
|           |            | 50      | 25        | 20.20   | 19.37   | 19.17   | 19.02   |
|           |            | 50      | 50        | 20.20   | 19.23   | 19.11   | 19.03   |
|           |            | 100     | 0         | 20.20   | 19.19   | 19.07   | 19.01   |
|           | 64QAM      | 1       | 0         | 20.20   | 19.69   | 19.70   | 19.58   |
|           |            | 1       | 50        | 20.20   | 19.63   | 19.55   | 19.51   |
|           |            | 1       | 99        | 20.20   | 19.79   | 19.53   | 19.45   |
|           |            | 50      | 0         | 20.20   | 19.27   | 19.33   | 19.02   |
|           |            | 50      | 25        | 20.20   | 19.28   | 19.33   | 19.02   |
|           |            | 50      | 50        | 20.20   | 19.25   | 19.23   | 19.03   |
|           |            | 100     | 0         | 20.20   | 19.24   | 19.28   | 19.06   |

Table 50: Test results conducted power measurement of LTE Band 2 (Reduced Power Level D4)

Note: The Conducted power measurements of LTE Band 2 is measured with RMS detector.

### 7.1.13 Conducted power measurements of LTE Band 4(Second antenna)

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | Max.    | 19957CH | 20175CH | 20393CH |
| 1.4MHz    | QPSK       | 1       | 0         | 22.70   | 21.67   | 21.83   | 22.01   |
|           |            | 1       | 3         | 22.70   | 21.92   | 21.88   | 22.03   |
|           |            | 1       | 5         | 22.70   | 21.68   | 21.85   | 22.07   |
|           |            | 3       | 0         | 22.70   | 21.81   | 21.93   | 21.92   |
|           |            | 3       | 2         | 22.70   | 21.78   | 21.92   | 21.94   |
|           |            | 3       | 3         | 22.70   | 21.65   | 21.91   | 21.92   |
|           |            | 6       | 0         | 21.70   | 20.85   | 21.04   | 20.98   |
|           | 16QAM      | 1       | 0         | 21.70   | 20.67   | 20.89   | 20.90   |
|           |            | 1       | 3         | 21.70   | 20.93   | 20.81   | 20.92   |
|           |            | 1       | 5         | 21.70   | 20.65   | 21.14   | 21.03   |
|           |            | 3       | 0         | 21.70   | 20.78   | 20.83   | 20.92   |
|           |            | 3       | 2         | 21.70   | 20.79   | 20.80   | 20.76   |
|           |            | 3       | 3         | 21.70   | 20.73   | 20.81   | 20.98   |
|           |            | 6       | 0         | 20.70   | 19.67   | 19.84   | 19.76   |
|           | 64QAM      | 1       | 0         | 20.70   | 19.82   | 20.05   | 20.00   |
|           |            | 1       | 3         | 20.70   | 19.95   | 19.89   | 19.91   |
|           |            | 1       | 5         | 20.70   | 19.85   | 20.10   | 19.99   |
|           |            | 3       | 0         | 20.70   | 19.70   | 19.73   | 19.84   |
|           |            | 3       | 2         | 20.70   | 19.86   | 19.86   | 19.87   |
|           |            | 3       | 3         | 20.70   | 19.81   | 19.79   | 19.88   |
|           |            | 6       | 0         | 19.70   | 18.77   | 18.96   | 18.89   |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|           |            |         |           | Max.    | 19965CH | 20175CH | 20385CH |
| 3MHz      | QPSK       | 1       | 0         | 22.70   | 21.66   | 21.78   | 21.81   |
|           |            | 1       | 7         | 22.70   | 21.69   | 21.73   | 21.81   |
|           |            | 1       | 14        | 22.70   | 21.67   | 21.75   | 21.85   |
|           |            | 8       | 0         | 21.70   | 20.76   | 20.79   | 20.85   |
|           |            | 8       | 4         | 21.70   | 20.77   | 20.81   | 20.85   |
|           |            | 8       | 7         | 21.70   | 20.75   | 20.85   | 20.86   |
|           |            | 15      | 0         | 21.70   | 20.81   | 20.85   | 20.85   |
|           | 16QAM      | 1       | 0         | 21.70   | 20.79   | 21.10   | 20.99   |
|           |            | 1       | 7         | 21.70   | 20.69   | 20.78   | 20.97   |
|           |            | 1       | 14        | 21.70   | 20.77   | 20.88   | 21.06   |
|           |            | 8       | 0         | 20.70   | 19.69   | 19.79   | 19.88   |
|           |            | 8       | 4         | 20.70   | 19.76   | 19.86   | 19.85   |
|           |            | 8       | 7         | 20.70   | 19.73   | 19.83   | 19.88   |
|           |            | 15      | 0         | 20.70   | 19.78   | 19.82   | 19.83   |
|           | 64QAM      | 1       | 0         | 20.70   | 19.85   | 20.03   | 19.93   |
|           |            | 1       | 7         | 20.70   | 19.90   | 20.09   | 20.11   |
|           |            | 1       | 14        | 20.70   | 19.78   | 20.15   | 19.99   |
|           |            | 8       | 0         | 19.70   | 18.80   | 18.79   | 18.87   |
|           |            | 8       | 4         | 19.70   | 18.80   | 18.85   | 18.91   |
|           |            | 8       | 7         | 19.70   | 18.82   | 18.89   | 18.86   |
|           |            | 15      | 0         | 19.70   | 18.80   | 18.84   | 18.90   |

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | Max.    | 19975CH | 20175CH | 20375CH |
| 5MHz      | QPSK       | 1       | 0         | 22.70   | 21.72   | 21.80   | 21.82   |
|           |            | 1       | 13        | 22.70   | 21.72   | 22.00   | 21.82   |
|           |            | 1       | 24        | 22.70   | 21.68   | 21.93   | 21.80   |
|           |            | 12      | 0         | 21.70   | 20.92   | 20.84   | 21.01   |
|           |            | 12      | 6         | 21.70   | 20.91   | 20.90   | 21.02   |
|           |            | 12      | 13        | 21.70   | 20.91   | 20.83   | 21.03   |
|           |            | 25      | 0         | 21.70   | 20.79   | 20.83   | 20.89   |
|           | 16QAM      | 1       | 0         | 21.70   | 20.78   | 21.08   | 21.02   |
|           |            | 1       | 13        | 21.70   | 21.13   | 20.98   | 20.99   |
|           |            | 1       | 24        | 21.70   | 20.91   | 20.78   | 21.01   |
|           |            | 12      | 0         | 20.70   | 19.87   | 19.80   | 19.95   |
|           |            | 12      | 6         | 20.70   | 19.87   | 19.83   | 19.98   |
|           |            | 12      | 13        | 20.70   | 19.85   | 19.86   | 20.04   |
|           |            | 25      | 0         | 20.70   | 19.73   | 19.84   | 19.85   |
|           | 64QAM      | 1       | 0         | 20.70   | 19.91   | 20.09   | 20.06   |
|           |            | 1       | 13        | 20.70   | 19.94   | 20.04   | 20.04   |
|           |            | 1       | 24        | 20.70   | 19.81   | 19.87   | 20.02   |
|           |            | 12      | 0         | 19.70   | 18.94   | 18.88   | 19.04   |
|           |            | 12      | 6         | 19.70   | 18.96   | 18.90   | 19.04   |
|           |            | 12      | 13        | 19.70   | 18.93   | 18.92   | 19.00   |
|           |            | 25      | 0         | 19.70   | 18.84   | 18.86   | 18.78   |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|           |            |         |           | Max.    | 20000CH | 20175CH | 20350CH |
| 10MHz     | QPSK       | 1       | 0         | 22.70   | 21.63   | 21.75   | 21.90   |
|           |            | 1       | 25        | 22.70   | 21.70   | 21.82   | 21.90   |
|           |            | 1       | 49        | 22.70   | 21.68   | 21.85   | 21.91   |
|           |            | 25      | 0         | 21.70   | 20.85   | 20.80   | 21.06   |
|           |            | 25      | 13        | 21.70   | 20.84   | 20.80   | 20.87   |
|           |            | 25      | 25        | 21.70   | 20.84   | 20.85   | 20.80   |
|           |            | 50      | 0         | 21.70   | 20.76   | 20.85   | 20.85   |
|           | 16QAM      | 1       | 0         | 21.70   | 20.80   | 20.79   | 20.95   |
|           |            | 1       | 25        | 21.70   | 20.76   | 20.95   | 21.07   |
|           |            | 1       | 49        | 21.70   | 20.76   | 20.94   | 20.94   |
|           |            | 25      | 0         | 20.70   | 19.82   | 19.78   | 20.03   |
|           |            | 25      | 13        | 20.70   | 19.85   | 19.78   | 19.99   |
|           |            | 25      | 25        | 20.70   | 19.82   | 19.78   | 20.04   |
|           |            | 50      | 0         | 20.70   | 19.70   | 19.81   | 19.87   |
|           | 64QAM      | 1       | 0         | 20.70   | 19.75   | 20.02   | 20.19   |
|           |            | 1       | 25        | 20.70   | 19.84   | 17.66   | 19.98   |
|           |            | 1       | 49        | 20.70   | 19.97   | 19.92   | 19.89   |
|           |            | 25      | 0         | 19.70   | 18.87   | 18.85   | 18.75   |
|           |            | 25      | 13        | 19.70   | 18.86   | 18.85   | 18.74   |
|           |            | 25      | 25        | 19.70   | 18.84   | 18.85   | 17.77   |
|           |            | 50      | 0         | 19.70   | 18.83   | 18.87   | 18.74   |

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel      | Channel      | Channel      |
|-----------|------------|---------|-----------|---------|--------------|--------------|--------------|
|           |            |         |           | Max.    | 20025CH      | 20175CH      | 20325CH      |
| 15MHz     | QPSK       | 1       | 0         | 22.70   | 21.36        | 21.68        | 21.79        |
|           |            | 1       | 38        | 22.70   | 21.66        | 21.74        | 21.70        |
|           |            | 1       | 74        | 22.70   | 21.39        | 21.73        | 21.88        |
|           |            | 36      | 0         | 21.70   | 20.60        | 20.78        | 20.90        |
|           |            | 36      | 18        | 21.70   | 20.65        | 20.67        | 20.61        |
|           |            | 36      | 39        | 21.70   | 20.65        | 20.64        | 20.79        |
|           |            | 75      | 0         | 21.70   | 20.56        | 20.58        | 20.57        |
|           | 16QAM      | 1       | 0         | 21.70   | 20.80        | 20.73        | 20.88        |
|           |            | 1       | 38        | 21.70   | 20.54        | 20.94        | 21.00        |
|           |            | 1       | 74        | 21.70   | 20.47        | 20.76        | 20.70        |
|           |            | 36      | 0         | 20.70   | 19.66        | 19.71        | 19.79        |
|           |            | 36      | 18        | 20.70   | 19.64        | 19.59        | 19.96        |
|           |            | 36      | 39        | 20.70   | 19.77        | 19.64        | 19.96        |
|           |            | 75      | 0         | 20.70   | 19.48        | 19.53        | 19.74        |
|           | 64QAM      | 1       | 0         | 20.70   | 19.60        | 19.97        | 20.07        |
|           |            | 1       | 38        | 20.70   | 19.57        | 17.59        | 19.87        |
|           |            | 1       | 74        | 20.70   | 19.73        | 19.77        | 19.71        |
|           |            | 36      | 0         | 19.70   | 18.75        | 18.64        | 18.71        |
|           |            | 36      | 18        | 19.70   | 18.60        | 18.69        | 18.72        |
|           |            | 36      | 39        | 19.70   | 18.79        | 18.57        | 17.71        |
|           |            | 75      | 0         | 19.70   | 18.74        | 18.65        | 18.49        |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel      | Channel      | Channel      |
|           |            |         |           | Max.    | 20050CH      | 20175CH      | 20300CH      |
| 20MHz     | QPSK       | 1       | 0         | 22.70   | 21.53        | 21.76        | 21.80        |
|           |            | 1       | 50        | 22.70   | <b>21.68</b> | 21.85        | 21.80        |
|           |            | 1       | 99        | 22.70   | 21.46        | <b>21.87</b> | <b>21.93</b> |
|           |            | 50      | 0         | 21.70   | 20.77        | 20.98        | <b>21.02</b> |
|           |            | 50      | 25        | 21.70   | 20.76        | 20.81        | 20.77        |
|           |            | 50      | 50        | 21.70   | 20.71        | 20.83        | 20.92        |
|           |            | 100     | 0         | 21.70   | 20.59        | 20.74        | 20.60        |
|           | 16QAM      | 1       | 0         | 21.70   | 20.98        | 20.89        | 21.08        |
|           |            | 1       | 50        | 21.70   | 20.66        | 21.03        | 21.17        |
|           |            | 1       | 99        | 21.70   | 20.51        | 20.82        | 20.76        |
|           |            | 50      | 0         | 20.70   | 19.81        | 19.74        | 19.88        |
|           |            | 50      | 25        | 20.70   | 19.75        | 19.63        | 19.96        |
|           |            | 50      | 50        | 20.70   | 19.87        | 19.70        | 19.97        |
|           |            | 100     | 0         | 20.70   | 19.50        | 19.73        | 19.86        |
|           | 64QAM      | 1       | 0         | 20.70   | 19.62        | 20.12        | 20.26        |
|           |            | 1       | 50        | 20.70   | 19.75        | 17.73        | 20.00        |
|           |            | 1       | 99        | 20.70   | 19.87        | 19.81        | 19.78        |
|           |            | 50      | 0         | 19.70   | 18.86        | 18.70        | 18.84        |
|           |            | 50      | 25        | 19.70   | 18.78        | 18.71        | 18.80        |
|           |            | 50      | 50        | 19.70   | 18.85        | 18.66        | 17.81        |
|           |            | 100     | 0         | 19.70   | 18.80        | 18.69        | 18.68        |

Table 51: Test results conducted power measurement of LTE Band 4 (Full Power)



| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | Max.    | 19957CH | 20175CH | 20393CH |
| 1.4MHz    | QPSK       | 1       | 0         | 18.70   | 17.76   | 17.70   | 17.89   |
|           |            | 1       | 3         | 18.70   | 17.66   | 17.72   | 17.92   |
|           |            | 1       | 5         | 18.70   | 17.65   | 17.83   | 17.93   |
|           |            | 3       | 0         | 18.70   | 17.78   | 17.90   | 17.80   |
|           |            | 3       | 2         | 18.70   | 17.82   | 17.91   | 17.80   |
|           |            | 3       | 3         | 18.70   | 17.83   | 17.90   | 17.92   |
|           |            | 6       | 0         | 18.70   | 17.82   | 17.84   | 17.84   |
|           | 16QAM      | 1       | 0         | 18.70   | 17.80   | 17.81   | 18.02   |
|           |            | 1       | 3         | 18.70   | 17.95   | 17.90   | 17.98   |
|           |            | 1       | 5         | 18.70   | 17.98   | 17.91   | 18.06   |
|           |            | 3       | 0         | 18.70   | 17.92   | 17.86   | 17.92   |
|           |            | 3       | 2         | 18.70   | 17.89   | 17.85   | 18.04   |
|           |            | 3       | 3         | 18.70   | 17.88   | 17.83   | 17.94   |
|           |            | 6       | 0         | 18.70   | 17.64   | 17.82   | 17.72   |
|           | 64QAM      | 1       | 0         | 18.70   | 17.87   | 17.98   | 17.89   |
|           |            | 1       | 3         | 18.70   | 18.01   | 17.73   | 17.96   |
|           |            | 1       | 5         | 18.70   | 17.98   | 18.08   | 18.05   |
|           |            | 3       | 0         | 18.70   | 17.82   | 17.81   | 17.91   |
|           |            | 3       | 2         | 18.70   | 17.79   | 17.93   | 17.98   |
|           |            | 3       | 3         | 18.70   | 17.73   | 17.87   | 17.98   |
|           |            | 6       | 0         | 18.70   | 17.95   | 17.96   | 17.93   |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|           |            |         |           | Max.    | 19965CH | 20175CH | 20385CH |
| 3MHz      | QPSK       | 1       | 0         | 18.70   | 17.75   | 17.82   | 17.89   |
|           |            | 1       | 7         | 18.70   | 17.70   | 17.85   | 17.86   |
|           |            | 1       | 14        | 18.70   | 17.72   | 17.87   | 17.87   |
|           |            | 8       | 0         | 18.70   | 17.81   | 17.81   | 17.86   |
|           |            | 8       | 4         | 18.70   | 17.77   | 17.81   | 17.85   |
|           |            | 8       | 7         | 18.70   | 17.76   | 17.81   | 17.85   |
|           |            | 15      | 0         | 18.70   | 17.69   | 17.91   | 17.90   |
|           | 16QAM      | 1       | 0         | 18.70   | 17.79   | 18.16   | 18.06   |
|           |            | 1       | 7         | 18.70   | 17.94   | 18.22   | 17.93   |
|           |            | 1       | 14        | 18.70   | 17.98   | 18.03   | 18.01   |
|           |            | 8       | 0         | 18.70   | 17.77   | 17.95   | 18.00   |
|           |            | 8       | 4         | 18.70   | 17.74   | 17.87   | 18.01   |
|           |            | 8       | 7         | 18.70   | 17.77   | 17.85   | 18.08   |
|           |            | 15      | 0         | 18.70   | 17.76   | 17.76   | 17.93   |
|           | 64QAM      | 1       | 0         | 18.70   | 17.91   | 18.06   | 17.99   |
|           |            | 1       | 7         | 18.70   | 18.09   | 17.82   | 18.04   |
|           |            | 1       | 14        | 18.70   | 17.82   | 17.94   | 18.31   |
|           |            | 8       | 0         | 18.70   | 17.77   | 17.98   | 17.99   |
|           |            | 8       | 4         | 18.70   | 17.75   | 17.96   | 18.03   |
|           |            | 8       | 7         | 18.70   | 17.72   | 17.99   | 18.03   |
|           |            | 15      | 0         | 18.70   | 17.68   | 17.89   | 18.01   |

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | Max.    | 19975CH | 20175CH | 20375CH |
| 5MHz      | QPSK       | 1       | 0         | 18.70   | 17.94   | 17.87   | 17.94   |
|           |            | 1       | 13        | 18.70   | 17.94   | 17.87   | 17.91   |
|           |            | 1       | 24        | 18.70   | 17.93   | 17.87   | 17.92   |
|           |            | 12      | 0         | 18.70   | 17.78   | 18.12   | 17.95   |
|           |            | 12      | 6         | 18.70   | 17.78   | 18.12   | 17.95   |
|           |            | 12      | 13        | 18.70   | 17.77   | 18.13   | 17.95   |
|           |            | 25      | 0         | 18.70   | 17.76   | 17.86   | 17.85   |
|           | 16QAM      | 1       | 0         | 18.70   | 17.93   | 17.98   | 17.89   |
|           |            | 1       | 13        | 18.70   | 18.01   | 17.97   | 18.08   |
|           |            | 1       | 24        | 18.70   | 17.96   | 17.90   | 18.02   |
|           |            | 12      | 0         | 18.70   | 17.86   | 17.84   | 17.83   |
|           |            | 12      | 6         | 18.70   | 17.84   | 17.86   | 17.88   |
|           |            | 12      | 13        | 18.70   | 17.87   | 17.89   | 17.89   |
|           |            | 25      | 0         | 18.70   | 17.89   | 17.83   | 17.78   |
|           | 64QAM      | 1       | 0         | 18.70   | 18.08   | 17.95   | 17.85   |
|           |            | 1       | 13        | 18.70   | 17.92   | 18.00   | 17.83   |
|           |            | 1       | 24        | 18.70   | 18.09   | 17.97   | 18.13   |
|           |            | 12      | 0         | 18.70   | 17.72   | 18.06   | 17.87   |
|           |            | 12      | 6         | 18.70   | 17.74   | 18.04   | 17.89   |
|           |            | 12      | 13        | 18.70   | 17.75   | 18.03   | 17.87   |
|           |            | 25      | 0         | 18.70   | 17.68   | 17.81   | 17.83   |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|           |            |         |           | Max.    | 20000CH | 20175CH | 20350CH |
| 10MHz     | QPSK       | 1       | 0         | 18.70   | 17.82   | 17.85   | 18.04   |
|           |            | 1       | 25        | 18.70   | 17.83   | 17.87   | 18.05   |
|           |            | 1       | 49        | 18.70   | 17.86   | 17.90   | 18.08   |
|           |            | 25      | 0         | 18.70   | 17.82   | 17.85   | 17.91   |
|           |            | 25      | 13        | 18.70   | 17.81   | 17.88   | 17.93   |
|           |            | 25      | 25        | 18.70   | 17.81   | 17.85   | 17.90   |
|           |            | 50      | 0         | 18.70   | 17.73   | 17.86   | 17.91   |
|           | 16QAM      | 1       | 0         | 18.70   | 17.87   | 17.85   | 18.16   |
|           |            | 1       | 25        | 18.70   | 17.93   | 17.97   | 17.99   |
|           |            | 1       | 49        | 18.70   | 17.90   | 18.01   | 18.05   |
|           |            | 25      | 0         | 18.70   | 17.66   | 17.87   | 17.84   |
|           |            | 25      | 13        | 18.70   | 17.71   | 17.79   | 17.85   |
|           |            | 25      | 25        | 18.70   | 17.68   | 17.76   | 17.80   |
|           |            | 50      | 0         | 18.70   | 17.68   | 17.81   | 17.77   |
|           | 64QAM      | 1       | 0         | 18.70   | 18.06   | 17.95   | 18.08   |
|           |            | 1       | 25        | 18.70   | 17.75   | 17.98   | 18.25   |
|           |            | 1       | 49        | 18.70   | 17.91   | 17.93   | 18.25   |
|           |            | 25      | 0         | 18.70   | 17.71   | 18.01   | 17.82   |
|           |            | 25      | 13        | 18.70   | 17.73   | 17.99   | 17.80   |
|           |            | 25      | 25        | 18.70   | 17.77   | 17.94   | 17.78   |
|           |            | 50      | 0         | 18.70   | 17.65   | 17.79   | 17.85   |

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel      | Channel      | Channel      |
|-----------|------------|---------|-----------|---------|--------------|--------------|--------------|
|           |            |         |           | Max.    | 20025CH      | 20175CH      | 20325CH      |
| 15MHz     | QPSK       | 1       | 0         | 18.70   | 17.83        | 17.89        | 18.12        |
|           |            | 1       | 38        | 18.70   | 17.82        | 17.86        | 18.07        |
|           |            | 1       | 74        | 18.70   | 17.79        | 17.88        | 18.13        |
|           |            | 36      | 0         | 18.70   | 17.85        | 18.12        | 17.96        |
|           |            | 36      | 18        | 18.70   | 17.90        | 18.13        | 17.97        |
|           |            | 36      | 39        | 18.70   | 17.90        | 18.13        | 17.97        |
|           |            | 75      | 0         | 18.70   | 17.71        | 18.09        | 17.95        |
|           | 16QAM      | 1       | 0         | 18.70   | 17.83        | 17.86        | 18.12        |
|           |            | 1       | 38        | 18.70   | 17.88        | 17.83        | 18.16        |
|           |            | 1       | 74        | 18.70   | 17.78        | 17.73        | 18.32        |
|           |            | 36      | 0         | 18.70   | 17.70        | 17.88        | 17.88        |
|           |            | 36      | 18        | 18.70   | 17.76        | 17.84        | 17.84        |
|           |            | 36      | 39        | 18.70   | 17.76        | 17.89        | 17.86        |
|           |            | 75      | 0         | 18.70   | 17.82        | 17.80        | 17.76        |
|           | 64QAM      | 1       | 0         | 18.70   | 18.08        | 17.94        | 17.98        |
|           |            | 1       | 38        | 18.70   | 17.93        | 18.09        | 18.23        |
|           |            | 1       | 74        | 18.70   | 18.13        | 17.89        | 18.24        |
|           |            | 36      | 0         | 18.70   | 17.92        | 18.00        | 18.05        |
|           |            | 36      | 18        | 18.70   | 17.91        | 18.02        | 17.90        |
|           |            | 36      | 39        | 18.70   | 17.94        | 18.02        | 18.10        |
|           |            | 75      | 0         | 18.70   | 17.69        | 17.95        | 17.85        |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel      | Channel      | Channel      |
|           |            |         |           | Max.    | 20050CH      | 20175CH      | 20300CH      |
| 20MHz     | QPSK       | 1       | 0         | 18.70   | 17.92        | 18.03        | <b>18.17</b> |
|           |            | 1       | 50        | 18.70   | 17.93        | 18.05        | 18.16        |
|           |            | 1       | 99        | 18.70   | 17.93        | 18.01        | 18.17        |
|           |            | 50      | 0         | 18.70   | <b>17.87</b> | <b>17.92</b> | 18.00        |
|           |            | 50      | 25        | 18.70   | 17.86        | 17.88        | <b>18.01</b> |
|           |            | 50      | 50        | 18.70   | 17.86        | 17.88        | 18.01        |
|           |            | 100     | 0         | 18.70   | 17.76        | 17.92        | 17.94        |
|           | 16QAM      | 1       | 0         | 18.70   | 18.06        | 18.14        | 18.17        |
|           |            | 1       | 50        | 18.70   | 17.99        | 18.15        | 18.32        |
|           |            | 1       | 99        | 18.70   | 18.05        | 18.21        | 18.22        |
|           |            | 50      | 0         | 18.70   | 17.78        | 17.84        | 17.90        |
|           |            | 50      | 25        | 18.70   | 17.71        | 17.87        | 17.90        |
|           |            | 50      | 50        | 18.70   | 17.74        | 17.84        | 17.92        |
|           |            | 100     | 0         | 18.70   | 17.84        | 17.88        | 17.81        |
|           | 64QAM      | 1       | 0         | 18.70   | 18.13        | 17.94        | 18.28        |
|           |            | 1       | 50        | 18.70   | 17.95        | 18.33        | 18.43        |
|           |            | 1       | 99        | 18.70   | 18.13        | 18.03        | 18.09        |
|           |            | 50      | 0         | 18.70   | 17.83        | 18.00        | 17.94        |
|           |            | 50      | 25        | 18.70   | 17.84        | 17.99        | 17.90        |
|           |            | 50      | 50        | 18.70   | 17.84        | 18.06        | 17.90        |
|           |            | 100     | 0         | 18.70   | 17.76        | 17.83        | 17.89        |

Table 52: Test results conducted power measurement of LTE Band 4 (Reduced Power Level D1/D2)

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | Max.    | 19957CH | 20175CH | 20393CH |
| 1.4MHz    | QPSK       | 1       | 0         | 14.70   | 13.92   | 13.94   | 13.93   |
|           |            | 1       | 3         | 14.70   | 14.06   | 13.92   | 13.97   |
|           |            | 1       | 5         | 14.70   | 13.81   | 13.90   | 13.98   |
|           |            | 3       | 0         | 14.70   | 13.89   | 13.98   | 14.02   |
|           |            | 3       | 2         | 14.70   | 13.83   | 13.97   | 14.01   |
|           |            | 3       | 3         | 14.70   | 13.83   | 13.98   | 13.95   |
|           |            | 6       | 0         | 14.70   | 13.84   | 13.80   | 13.96   |
|           | 16QAM      | 1       | 0         | 14.70   | 14.00   | 14.23   | 14.22   |
|           |            | 1       | 3         | 14.70   | 13.96   | 14.33   | 14.16   |
|           |            | 1       | 5         | 14.70   | 14.04   | 14.20   | 14.20   |
|           |            | 3       | 0         | 14.70   | 13.79   | 13.85   | 13.84   |
|           |            | 3       | 2         | 14.70   | 13.88   | 13.78   | 13.73   |
|           |            | 3       | 3         | 14.70   | 13.97   | 13.83   | 13.73   |
|           |            | 6       | 0         | 14.70   | 13.76   | 13.84   | 13.93   |
|           | 64QAM      | 1       | 0         | 14.70   | 14.14   | 14.13   | 14.08   |
|           |            | 1       | 3         | 14.70   | 14.03   | 14.33   | 13.81   |
|           |            | 1       | 5         | 14.70   | 13.91   | 14.24   | 14.01   |
|           |            | 3       | 0         | 14.70   | 13.83   | 14.08   | 13.98   |
|           |            | 3       | 2         | 14.70   | 13.64   | 14.05   | 13.95   |
|           |            | 3       | 3         | 14.70   | 13.80   | 13.89   | 13.86   |
|           |            | 6       | 0         | 14.70   | 13.71   | 13.91   | 14.03   |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|           |            |         |           | Max.    | 19965CH | 20175CH | 20385CH |
| 3MHz      | QPSK       | 1       | 0         | 14.70   | 13.90   | 13.84   | 13.90   |
|           |            | 1       | 7         | 14.70   | 13.90   | 13.92   | 13.85   |
|           |            | 1       | 14        | 14.70   | 13.91   | 13.88   | 13.84   |
|           |            | 8       | 0         | 14.70   | 13.90   | 13.91   | 13.89   |
|           |            | 8       | 4         | 14.70   | 13.93   | 13.88   | 13.90   |
|           |            | 8       | 7         | 14.70   | 13.92   | 13.92   | 13.91   |
|           |            | 15      | 0         | 14.70   | 13.79   | 13.92   | 13.87   |
|           | 16QAM      | 1       | 0         | 14.70   | 13.95   | 14.23   | 13.95   |
|           |            | 1       | 7         | 14.70   | 14.16   | 14.12   | 13.93   |
|           |            | 1       | 14        | 14.70   | 14.10   | 14.20   | 14.06   |
|           |            | 8       | 0         | 14.70   | 13.82   | 13.94   | 14.00   |
|           |            | 8       | 4         | 14.70   | 13.81   | 13.87   | 14.04   |
|           |            | 8       | 7         | 14.70   | 13.81   | 13.88   | 13.98   |
|           |            | 15      | 0         | 14.70   | 13.71   | 13.85   | 14.00   |
|           | 64QAM      | 1       | 0         | 14.70   | 13.90   | 14.36   | 14.33   |
|           |            | 1       | 7         | 14.70   | 14.05   | 14.19   | 14.45   |
|           |            | 1       | 14        | 14.70   | 13.81   | 14.44   | 14.02   |
|           |            | 8       | 0         | 14.70   | 13.79   | 14.11   | 14.03   |
|           |            | 8       | 4         | 14.70   | 13.88   | 14.01   | 14.07   |
|           |            | 8       | 7         | 14.70   | 13.83   | 14.08   | 14.07   |
|           |            | 15      | 0         | 14.70   | 13.72   | 13.97   | 14.09   |

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | Max.    | 19975CH | 20175CH | 20375CH |
| 5MHz      | QPSK       | 1       | 0         | 14.70   | 13.94   | 14.05   | 13.91   |
|           |            | 1       | 13        | 14.70   | 13.95   | 14.02   | 13.92   |
|           |            | 1       | 24        | 14.70   | 13.94   | 13.99   | 13.94   |
|           |            | 12      | 0         | 14.70   | 13.91   | 14.19   | 14.10   |
|           |            | 12      | 6         | 14.70   | 13.90   | 14.18   | 14.09   |
|           |            | 12      | 13        | 14.70   | 13.91   | 14.17   | 13.98   |
|           |            | 25      | 0         | 14.70   | 13.89   | 13.89   | 14.00   |
|           | 16QAM      | 1       | 0         | 14.70   | 13.95   | 14.11   | 14.09   |
|           |            | 1       | 13        | 14.70   | 14.11   | 14.09   | 13.89   |
|           |            | 1       | 24        | 14.70   | 14.01   | 14.34   | 14.03   |
|           |            | 12      | 0         | 14.70   | 13.84   | 13.86   | 13.96   |
|           |            | 12      | 6         | 14.70   | 13.87   | 13.90   | 13.95   |
|           |            | 12      | 13        | 14.70   | 13.83   | 13.87   | 13.94   |
|           |            | 25      | 0         | 14.70   | 13.73   | 13.86   | 13.92   |
|           | 64QAM      | 1       | 0         | 14.70   | 14.02   | 14.12   | 13.81   |
|           |            | 1       | 13        | 14.70   | 14.22   | 13.93   | 13.94   |
|           |            | 1       | 24        | 14.70   | 14.12   | 13.95   | 13.95   |
|           |            | 12      | 0         | 14.70   | 13.81   | 14.07   | 13.89   |
|           |            | 12      | 6         | 14.70   | 13.76   | 14.09   | 13.91   |
|           |            | 12      | 13        | 14.70   | 13.90   | 14.12   | 13.92   |
|           |            | 25      | 0         | 14.70   | 13.74   | 13.86   | 13.82   |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|           |            |         |           | Max.    | 20000CH | 20175CH | 20350CH |
| 10MHz     | QPSK       | 1       | 0         | 14.70   | 13.92   | 13.99   | 14.02   |
|           |            | 1       | 25        | 14.70   | 13.90   | 14.05   | 14.04   |
|           |            | 1       | 49        | 14.70   | 13.97   | 14.06   | 14.08   |
|           |            | 25      | 0         | 14.70   | 13.88   | 13.90   | 13.96   |
|           |            | 25      | 13        | 14.70   | 13.92   | 13.93   | 13.90   |
|           |            | 25      | 25        | 14.70   | 13.92   | 13.90   | 13.98   |
|           |            | 50      | 0         | 14.70   | 13.79   | 13.88   | 13.97   |
|           | 16QAM      | 1       | 0         | 14.70   | 13.95   | 14.10   | 14.20   |
|           |            | 1       | 25        | 14.70   | 14.15   | 14.07   | 14.32   |
|           |            | 1       | 49        | 14.70   | 13.98   | 14.10   | 14.14   |
|           |            | 25      | 0         | 14.70   | 13.79   | 13.83   | 13.92   |
|           |            | 25      | 13        | 14.70   | 13.81   | 13.82   | 13.88   |
|           |            | 25      | 25        | 14.70   | 13.79   | 13.84   | 13.85   |
|           |            | 50      | 0         | 14.70   | 13.69   | 13.87   | 13.90   |
|           | 64QAM      | 1       | 0         | 14.70   | 13.96   | 14.12   | 14.32   |
|           |            | 1       | 25        | 14.70   | 13.88   | 13.98   | 14.26   |
|           |            | 1       | 49        | 14.70   | 13.94   | 14.00   | 14.51   |
|           |            | 25      | 0         | 14.70   | 13.69   | 14.03   | 13.85   |
|           |            | 25      | 13        | 14.70   | 13.88   | 14.02   | 13.89   |
|           |            | 25      | 25        | 14.70   | 13.82   | 13.98   | 13.86   |
|           |            | 50      | 0         | 14.70   | 13.72   | 13.86   | 13.86   |

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | Max.    | 20025CH | 20175CH | 20325CH |
| 15MHz     | QPSK       | 1       | 0         | 14.70   | 13.95   | 14.08   | 14.08   |
|           |            | 1       | 38        | 14.70   | 13.93   | 14.04   | 14.14   |
|           |            | 1       | 74        | 14.70   | 13.93   | 14.06   | 14.15   |
|           |            | 36      | 0         | 14.70   | 13.98   | 14.20   | 14.10   |
|           |            | 36      | 18        | 14.70   | 13.98   | 14.20   | 14.11   |
|           |            | 36      | 39        | 14.70   | 13.93   | 14.14   | 14.12   |
|           |            | 75      | 0         | 14.70   | 13.80   | 14.08   | 14.02   |
|           | 16QAM      | 1       | 0         | 14.70   | 14.00   | 13.99   | 14.19   |
|           |            | 1       | 38        | 14.70   | 14.02   | 14.07   | 14.29   |
|           |            | 1       | 74        | 14.70   | 14.10   | 14.03   | 14.24   |
|           |            | 36      | 0         | 14.70   | 13.69   | 13.87   | 14.03   |
|           |            | 36      | 18        | 14.70   | 13.91   | 13.83   | 14.04   |
|           |            | 36      | 39        | 14.70   | 13.91   | 13.83   | 14.03   |
|           |            | 75      | 0         | 14.70   | 13.84   | 13.86   | 13.84   |
|           | 64QAM      | 1       | 0         | 14.70   | 14.10   | 13.98   | 14.27   |
|           |            | 1       | 38        | 14.70   | 14.07   | 14.00   | 14.42   |
|           |            | 1       | 74        | 14.70   | 13.92   | 14.17   | 14.15   |
|           |            | 36      | 0         | 14.70   | 13.91   | 14.04   | 14.07   |
|           |            | 36      | 18        | 14.70   | 13.94   | 14.10   | 13.93   |
|           |            | 36      | 39        | 14.70   | 13.96   | 14.06   | 14.06   |
|           |            | 75      | 0         | 14.70   | 13.70   | 14.07   | 13.86   |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|           |            |         |           | Max.    | 20050CH | 20175CH | 20300CH |
| 20MHz     | QPSK       | 1       | 0         | 14.70   | 14.06   | 14.18   | 14.32   |
|           |            | 1       | 50        | 14.70   | 14.07   | 14.15   | 14.25   |
|           |            | 1       | 99        | 14.70   | 14.07   | 14.14   | 14.19   |
|           |            | 50      | 0         | 14.70   | 13.97   | 13.91   | 14.10   |
|           |            | 50      | 25        | 14.70   | 13.93   | 13.98   | 14.08   |
|           |            | 50      | 50        | 14.70   | 13.96   | 13.92   | 14.07   |
|           |            | 100     | 0         | 14.70   | 13.86   | 14.06   | 13.99   |
|           | 16QAM      | 1       | 0         | 14.70   | 14.02   | 14.41   | 14.34   |
|           |            | 1       | 50        | 14.70   | 14.09   | 14.19   | 14.37   |
|           |            | 1       | 99        | 14.70   | 14.06   | 14.34   | 14.29   |
|           |            | 50      | 0         | 14.70   | 13.87   | 13.92   | 13.99   |
|           |            | 50      | 25        | 14.70   | 13.88   | 13.89   | 14.01   |
|           |            | 50      | 50        | 14.70   | 13.88   | 13.90   | 14.02   |
|           |            | 100     | 0         | 14.70   | 13.94   | 13.94   | 13.92   |
|           | 64QAM      | 1       | 0         | 14.70   | 13.99   | 14.16   | 14.42   |
|           |            | 1       | 50        | 14.70   | 14.17   | 14.34   | 14.48   |
|           |            | 1       | 99        | 14.70   | 14.28   | 14.23   | 14.24   |
|           |            | 50      | 0         | 14.70   | 13.94   | 14.13   | 14.01   |
|           |            | 50      | 25        | 14.70   | 13.94   | 14.12   | 14.01   |
|           |            | 50      | 50        | 14.70   | 13.95   | 14.10   | 14.00   |
|           |            | 100     | 0         | 14.70   | 13.82   | 13.98   | 13.89   |

Table 53: Test results conducted power measurement of LTE Band 4 (Reduced Power Level D3)

Note: The Conducted power measurements of LTE Band 4 is measured with RMS detector.

#### 7.1.14 Conducted power measurements of LTE Band 4(Main antenna)

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | Max.    | 19957CH | 20175CH | 20393CH |
| 1.4MHz    | QPSK       | 1       | 0         | 23.70   | 22.60   | 22.68   | 22.62   |
|           |            | 1       | 3         | 23.70   | 22.55   | 22.64   | 22.61   |
|           |            | 1       | 5         | 23.70   | 22.62   | 22.52   | 22.54   |
|           |            | 3       | 0         | 23.70   | 22.37   | 22.51   | 22.69   |
|           |            | 3       | 2         | 23.70   | 22.57   | 22.69   | 22.69   |
|           |            | 3       | 3         | 23.70   | 22.66   | 22.66   | 22.60   |
|           |            | 6       | 0         | 22.70   | 21.72   | 22.61   | 21.88   |
|           | 16QAM      | 1       | 0         | 22.70   | 21.92   | 21.86   | 21.92   |
|           |            | 1       | 3         | 22.70   | 21.61   | 21.99   | 21.77   |
|           |            | 1       | 5         | 22.70   | 21.60   | 21.71   | 21.92   |
|           |            | 3       | 0         | 22.70   | 21.45   | 21.73   | 21.65   |
|           |            | 3       | 2         | 22.70   | 21.44   | 21.72   | 21.69   |
|           |            | 3       | 3         | 22.70   | 21.43   | 21.79   | 21.76   |
|           |            | 6       | 0         | 21.70   | 20.52   | 20.77   | 20.83   |
|           | 64QAM      | 1       | 0         | 21.70   | 20.64   | 21.00   | 20.67   |
|           |            | 1       | 3         | 21.70   | 20.66   | 20.93   | 20.77   |
|           |            | 1       | 5         | 21.70   | 20.92   | 20.92   | 20.92   |
|           |            | 3       | 0         | 21.70   | 20.62   | 20.69   | 20.72   |
|           |            | 3       | 2         | 21.70   | 20.54   | 20.72   | 20.65   |
|           |            | 3       | 3         | 21.70   | 20.55   | 20.69   | 20.83   |
|           |            | 6       | 0         | 20.70   | 19.60   | 20.00   | 19.65   |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|           |            |         |           | Max.    | 19965CH | 20175CH | 20385CH |
| 3MHz      | QPSK       | 1       | 0         | 23.70   | 22.39   | 22.75   | 22.61   |
|           |            | 1       | 7         | 23.70   | 22.63   | 22.72   | 22.88   |
|           |            | 1       | 14        | 23.70   | 22.60   | 22.75   | 22.62   |
|           |            | 8       | 0         | 22.70   | 21.54   | 21.72   | 21.69   |
|           |            | 8       | 4         | 22.70   | 21.50   | 21.73   | 21.72   |
|           |            | 8       | 7         | 22.70   | 21.54   | 21.70   | 21.77   |
|           |            | 15      | 0         | 22.70   | 21.58   | 21.74   | 21.76   |
|           | 16QAM      | 1       | 0         | 22.70   | 21.80   | 21.91   | 21.76   |
|           |            | 1       | 7         | 22.70   | 21.61   | 21.82   | 21.67   |
|           |            | 1       | 14        | 22.70   | 21.74   | 21.79   | 21.86   |
|           |            | 8       | 0         | 21.70   | 20.52   | 20.70   | 20.71   |
|           |            | 8       | 4         | 21.70   | 20.43   | 20.74   | 20.68   |
|           |            | 8       | 7         | 21.70   | 20.43   | 20.67   | 20.62   |
|           |            | 15      | 0         | 21.70   | 20.55   | 20.68   | 20.63   |
|           | 64QAM      | 1       | 0         | 21.70   | 20.59   | 21.01   | 20.90   |
|           |            | 1       | 7         | 21.70   | 20.56   | 20.90   | 20.75   |
|           |            | 1       | 14        | 21.70   | 20.77   | 20.71   | 20.83   |
|           |            | 8       | 0         | 20.70   | 19.53   | 19.70   | 19.76   |
|           |            | 8       | 4         | 20.70   | 19.49   | 19.73   | 19.78   |
|           |            | 8       | 7         | 20.70   | 19.48   | 19.68   | 19.75   |
|           |            | 15      | 0         | 20.70   | 19.58   | 19.73   | 19.73   |



| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | Max.    | 19975CH | 20175CH | 20375CH |
| 5MHz      | QPSK       | 1       | 0         | 23.70   | 22.50   | 22.68   | 22.67   |
|           |            | 1       | 13        | 23.70   | 22.48   | 22.65   | 22.70   |
|           |            | 1       | 24        | 23.70   | 22.55   | 22.70   | 22.91   |
|           |            | 12      | 0         | 22.70   | 21.60   | 21.75   | 21.84   |
|           |            | 12      | 6         | 22.70   | 21.68   | 21.75   | 21.81   |
|           |            | 12      | 13        | 22.70   | 21.67   | 21.79   | 21.79   |
|           |            | 25      | 0         | 22.70   | 21.59   | 21.78   | 21.78   |
|           | 16QAM      | 1       | 0         | 22.70   | 21.60   | 21.80   | 21.89   |
|           |            | 1       | 13        | 22.70   | 21.76   | 21.88   | 22.05   |
|           |            | 1       | 24        | 22.70   | 21.65   | 22.00   | 21.91   |
|           |            | 12      | 0         | 21.70   | 20.69   | 20.73   | 20.80   |
|           |            | 12      | 6         | 21.70   | 20.64   | 20.75   | 20.86   |
|           |            | 12      | 13        | 21.70   | 20.66   | 20.70   | 20.76   |
|           |            | 25      | 0         | 21.70   | 20.45   | 20.69   | 20.71   |
|           | 64QAM      | 1       | 0         | 21.70   | 20.63   | 20.91   | 20.84   |
|           |            | 1       | 13        | 21.70   | 20.62   | 20.77   | 20.94   |
|           |            | 1       | 24        | 21.70   | 20.69   | 20.77   | 20.74   |
|           |            | 12      | 0         | 20.70   | 19.67   | 19.82   | 19.87   |
|           |            | 12      | 6         | 20.70   | 19.65   | 19.71   | 19.88   |
|           |            | 12      | 13        | 20.70   | 19.68   | 19.73   | 19.89   |
|           |            | 25      | 0         | 20.70   | 19.52   | 19.73   | 19.75   |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|           |            |         |           | Max.    | 20000CH | 20175CH | 20350CH |
| 10MHz     | QPSK       | 1       | 0         | 23.70   | 22.43   | 22.99   | 22.77   |
|           |            | 1       | 25        | 23.70   | 22.50   | 22.71   | 22.83   |
|           |            | 1       | 49        | 23.70   | 22.53   | 22.69   | 22.81   |
|           |            | 25      | 0         | 22.70   | 21.62   | 21.74   | 21.84   |
|           |            | 25      | 13        | 22.70   | 21.60   | 21.72   | 21.87   |
|           |            | 25      | 25        | 22.70   | 21.61   | 21.72   | 21.89   |
|           |            | 50      | 0         | 22.70   | 21.55   | 21.77   | 21.77   |
|           | 16QAM      | 1       | 0         | 22.70   | 21.63   | 21.83   | 21.84   |
|           |            | 1       | 25        | 22.70   | 21.50   | 21.84   | 21.91   |
|           |            | 1       | 49        | 22.70   | 21.56   | 21.82   | 21.78   |
|           |            | 25      | 0         | 21.70   | 20.57   | 20.68   | 20.88   |
|           |            | 25      | 13        | 21.70   | 20.58   | 20.71   | 20.80   |
|           |            | 25      | 25        | 21.70   | 20.59   | 20.70   | 20.87   |
|           |            | 50      | 0         | 21.70   | 20.49   | 20.71   | 20.69   |
|           | 64QAM      | 1       | 0         | 21.70   | 20.65   | 20.89   | 21.06   |
|           |            | 1       | 25        | 21.70   | 20.63   | 20.98   | 20.89   |
|           |            | 1       | 49        | 21.70   | 20.71   | 21.01   | 21.04   |
|           |            | 25      | 0         | 20.70   | 19.58   | 19.74   | 19.89   |
|           |            | 25      | 13        | 20.70   | 19.60   | 19.80   | 19.95   |
|           |            | 25      | 25        | 20.70   | 19.61   | 19.77   | 19.91   |
|           |            | 50      | 0         | 20.70   | 19.57   | 19.75   | 19.81   |

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel      | Channel      | Channel      |
|-----------|------------|---------|-----------|---------|--------------|--------------|--------------|
|           |            |         |           | Max.    | 20025CH      | 20175CH      | 20325CH      |
| 15MHz     | QPSK       | 1       | 0         | 23.70   | 22.52        | 22.91        | 22.78        |
|           |            | 1       | 38        | 23.70   | 22.64        | 22.91        | 22.76        |
|           |            | 1       | 74        | 23.70   | 22.62        | 22.93        | 22.86        |
|           |            | 36      | 0         | 22.70   | 21.68        | 21.80        | 21.87        |
|           |            | 36      | 18        | 22.70   | 21.66        | 21.79        | 21.88        |
|           |            | 36      | 39        | 22.70   | 21.64        | 21.78        | 21.90        |
|           |            | 75      | 0         | 22.70   | 21.59        | 21.78        | 21.79        |
|           | 16QAM      | 1       | 0         | 22.70   | 21.55        | 22.11        | 22.02        |
|           |            | 1       | 38        | 22.70   | 21.64        | 22.07        | 21.96        |
|           |            | 1       | 74        | 22.70   | 21.61        | 21.94        | 22.01        |
|           |            | 36      | 0         | 21.70   | 20.60        | 20.71        | 20.90        |
|           |            | 36      | 18        | 21.70   | 20.64        | 20.73        | 20.92        |
|           |            | 36      | 39        | 21.70   | 20.63        | 20.76        | 20.79        |
|           |            | 75      | 0         | 21.70   | 20.54        | 20.68        | 20.74        |
|           | 64QAM      | 1       | 0         | 21.70   | 20.70        | 20.82        | 20.84        |
|           |            | 1       | 38        | 21.70   | 20.67        | 20.93        | 20.94        |
|           |            | 1       | 74        | 21.70   | 20.60        | 20.76        | 20.90        |
|           |            | 36      | 0         | 20.70   | 19.67        | 19.81        | 19.90        |
|           |            | 36      | 18        | 20.70   | 19.65        | 19.81        | 19.94        |
|           |            | 36      | 39        | 20.70   | 19.66        | 19.83        | 19.95        |
|           |            | 75      | 0         | 20.70   | 19.60        | 19.76        | 19.84        |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel      | Channel      | Channel      |
|           |            |         |           | Max.    | 20050CH      | 20175CH      | 20300CH      |
| 20MHz     | QPSK       | 1       | 0         | 23.70   | 22.71        | 22.85        | <b>23.17</b> |
|           |            | 1       | 50        | 23.70   | <b>22.81</b> | 22.84        | 23.15        |
|           |            | 1       | 99        | 23.70   | 22.65        | <b>22.86</b> | 23.12        |
|           |            | 50      | 0         | 22.70   | 21.68        | 21.81        | <b>21.98</b> |
|           |            | 50      | 25        | 22.70   | 21.65        | 21.86        | 21.93        |
|           |            | 50      | 50        | 22.70   | 21.66        | 21.83        | 21.89        |
|           |            | 100     | 0         | 22.70   | 21.62        | 21.83        | 21.85        |
|           | 16QAM      | 1       | 0         | 22.70   | 21.85        | 22.26        | 22.30        |
|           |            | 1       | 50        | 22.70   | 21.85        | 22.18        | 21.91        |
|           |            | 1       | 99        | 22.70   | 21.85        | 22.11        | 22.24        |
|           |            | 50      | 0         | 21.70   | 20.58        | 20.79        | 20.91        |
|           |            | 50      | 25        | 21.70   | 20.59        | 20.73        | 20.89        |
|           |            | 50      | 50        | 21.70   | 20.61        | 20.71        | 20.91        |
|           |            | 100     | 0         | 21.70   | 20.63        | 20.74        | 20.84        |
|           | 64QAM      | 1       | 0         | 21.70   | 20.99        | 20.90        | 21.13        |
|           |            | 1       | 50        | 21.70   | 20.98        | 20.90        | 21.26        |
|           |            | 1       | 99        | 21.70   | 20.96        | 20.79        | 21.08        |
|           |            | 50      | 0         | 20.70   | 19.58        | 19.86        | 19.93        |
|           |            | 50      | 25        | 20.70   | 19.60        | 19.84        | 19.93        |
|           |            | 50      | 50        | 20.70   | 19.61        | 19.85        | 19.92        |
|           |            | 100     | 0         | 20.70   | 19.62        | 19.80        | 19.89        |

Table 54: Test results conducted power measurement of LTE Band 4 (Full Power)

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | Max.    | 19957CH | 20175CH | 20393CH |
| 1.4MHz    | QPSK       | 1       | 0         | 22.70   | 21.77   | 21.97   | 22.00   |
|           |            | 1       | 3         | 22.70   | 21.65   | 21.97   | 22.03   |
|           |            | 1       | 5         | 22.70   | 21.75   | 21.95   | 22.00   |
|           |            | 3       | 0         | 22.70   | 21.64   | 21.95   | 21.88   |
|           |            | 3       | 2         | 22.70   | 21.73   | 21.82   | 21.88   |
|           |            | 3       | 3         | 22.70   | 21.58   | 21.81   | 21.89   |
|           |            | 6       | 0         | 22.70   | 21.77   | 21.80   | 21.75   |
|           | 16QAM      | 1       | 0         | 22.70   | 21.82   | 21.57   | 21.86   |
|           |            | 1       | 3         | 22.70   | 21.74   | 21.86   | 21.90   |
|           |            | 1       | 5         | 22.70   | 21.63   | 21.89   | 21.79   |
|           |            | 3       | 0         | 22.70   | 21.46   | 21.92   | 21.73   |
|           |            | 3       | 2         | 22.70   | 21.55   | 21.78   | 21.70   |
|           |            | 3       | 3         | 22.70   | 21.54   | 21.85   | 21.80   |
|           |            | 6       | 0         | 21.70   | 20.65   | 20.87   | 20.69   |
|           | 64QAM      | 1       | 0         | 21.70   | 20.74   | 20.89   | 20.93   |
|           |            | 1       | 3         | 21.70   | 20.79   | 20.87   | 20.92   |
|           |            | 1       | 5         | 21.70   | 20.67   | 20.89   | 21.07   |
|           |            | 3       | 0         | 21.70   | 20.55   | 20.83   | 20.75   |
|           |            | 3       | 2         | 21.70   | 20.54   | 20.86   | 20.84   |
|           |            | 3       | 3         | 21.70   | 20.61   | 20.95   | 20.82   |
|           |            | 6       | 0         | 20.70   | 19.53   | 19.69   | 19.95   |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|           |            |         |           | Max.    | 19965CH | 20175CH | 20385CH |
| 3MHz      | QPSK       | 1       | 0         | 22.70   | 21.50   | 21.84   | 21.80   |
|           |            | 1       | 7         | 22.70   | 21.58   | 21.82   | 21.80   |
|           |            | 1       | 14        | 22.70   | 21.52   | 21.90   | 21.81   |
|           |            | 8       | 0         | 22.70   | 21.58   | 21.79   | 21.75   |
|           |            | 8       | 4         | 22.70   | 21.55   | 21.71   | 21.81   |
|           |            | 8       | 7         | 22.70   | 21.51   | 21.77   | 21.81   |
|           |            | 15      | 0         | 22.70   | 21.65   | 22.01   | 21.79   |
|           | 16QAM      | 1       | 0         | 22.70   | 21.68   | 21.93   | 21.84   |
|           |            | 1       | 7         | 22.70   | 21.52   | 21.91   | 21.61   |
|           |            | 1       | 14        | 22.70   | 21.39   | 21.98   | 21.57   |
|           |            | 8       | 0         | 21.70   | 20.51   | 20.69   | 20.74   |
|           |            | 8       | 4         | 21.70   | 20.55   | 20.65   | 20.75   |
|           |            | 8       | 7         | 21.70   | 20.45   | 20.75   | 20.68   |
|           |            | 15      | 0         | 21.70   | 20.59   | 20.73   | 20.70   |
|           | 64QAM      | 1       | 0         | 21.70   | 20.60   | 20.67   | 21.03   |
|           |            | 1       | 7         | 21.70   | 20.69   | 21.02   | 21.09   |
|           |            | 1       | 14        | 21.70   | 20.82   | 20.97   | 20.84   |
|           |            | 8       | 0         | 20.70   | 19.62   | 19.83   | 19.81   |
|           |            | 8       | 4         | 20.70   | 19.62   | 19.80   | 19.84   |
|           |            | 8       | 7         | 20.70   | 19.61   | 19.77   | 19.88   |
|           |            | 15      | 0         | 20.70   | 19.69   | 19.77   | 19.73   |

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | Max.    | 19975CH | 20175CH | 20375CH |
| 5MHz      | QPSK       | 1       | 0         | 22.70   | 21.65   | 22.04   | 21.80   |
|           |            | 1       | 13        | 22.70   | 21.65   | 22.03   | 21.78   |
|           |            | 1       | 24        | 22.70   | 21.63   | 21.74   | 21.82   |
|           |            | 12      | 0         | 22.70   | 21.67   | 21.81   | 21.83   |
|           |            | 12      | 6         | 22.70   | 21.67   | 21.76   | 21.85   |
|           |            | 12      | 13        | 22.70   | 21.65   | 21.75   | 21.84   |
|           |            | 25      | 0         | 22.70   | 21.59   | 21.77   | 21.79   |
|           | 16QAM      | 1       | 0         | 22.70   | 21.70   | 21.87   | 22.00   |
|           |            | 1       | 13        | 22.70   | 21.65   | 21.90   | 22.14   |
|           |            | 1       | 24        | 22.70   | 21.70   | 21.78   | 21.97   |
|           |            | 12      | 0         | 21.70   | 20.66   | 20.72   | 20.90   |
|           |            | 12      | 6         | 21.70   | 20.68   | 20.75   | 20.88   |
|           |            | 12      | 13        | 21.70   | 20.66   | 20.72   | 20.87   |
|           |            | 25      | 0         | 21.70   | 20.49   | 20.71   | 20.74   |
|           | 64QAM      | 1       | 0         | 21.70   | 20.84   | 20.76   | 20.97   |
|           |            | 1       | 13        | 21.70   | 20.82   | 20.85   | 20.84   |
|           |            | 1       | 24        | 21.70   | 20.91   | 20.87   | 20.83   |
|           |            | 12      | 0         | 20.70   | 19.73   | 19.81   | 19.93   |
|           |            | 12      | 6         | 20.70   | 19.70   | 19.80   | 19.95   |
|           |            | 12      | 13        | 20.70   | 19.70   | 19.78   | 19.94   |
|           |            | 25      | 0         | 20.70   | 19.61   | 19.77   | 19.83   |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|           |            |         |           | Max.    | 20000CH | 20175CH | 20350CH |
| 10MHz     | QPSK       | 1       | 0         | 22.70   | 21.55   | 21.83   | 21.96   |
|           |            | 1       | 25        | 22.70   | 21.56   | 21.83   | 21.94   |
|           |            | 1       | 49        | 22.70   | 21.54   | 21.81   | 21.94   |
|           |            | 25      | 0         | 22.70   | 21.59   | 21.77   | 21.87   |
|           |            | 25      | 13        | 22.70   | 21.59   | 21.70   | 21.89   |
|           |            | 25      | 25        | 22.70   | 21.61   | 21.74   | 21.90   |
|           |            | 50      | 0         | 22.70   | 21.62   | 21.81   | 21.81   |
|           | 16QAM      | 1       | 0         | 22.70   | 21.46   | 21.87   | 21.99   |
|           |            | 1       | 25        | 22.70   | 21.47   | 21.64   | 21.96   |
|           |            | 1       | 49        | 22.70   | 21.59   | 21.82   | 21.88   |
|           |            | 25      | 0         | 21.70   | 20.57   | 20.69   | 20.94   |
|           |            | 25      | 13        | 21.70   | 20.57   | 20.70   | 20.93   |
|           |            | 25      | 25        | 21.70   | 20.59   | 20.72   | 20.93   |
|           |            | 50      | 0         | 21.70   | 20.48   | 20.70   | 20.71   |
|           | 64QAM      | 1       | 0         | 21.70   | 20.56   | 20.78   | 21.02   |
|           |            | 1       | 25        | 21.70   | 20.76   | 20.94   | 20.89   |
|           |            | 1       | 49        | 21.70   | 20.68   | 21.10   | 21.08   |
|           |            | 25      | 0         | 20.70   | 19.67   | 19.71   | 19.92   |
|           |            | 25      | 13        | 20.70   | 19.69   | 19.72   | 19.95   |
|           |            | 25      | 25        | 20.70   | 19.67   | 19.74   | 19.91   |
|           |            | 50      | 0         | 20.70   | 19.54   | 19.76   | 19.80   |

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel      | Channel      | Channel      |
|-----------|------------|---------|-----------|---------|--------------|--------------|--------------|
|           |            |         |           | Max.    | 20025CH      | 20175CH      | 20325CH      |
| 15MHz     | QPSK       | 1       | 0         | 22.70   | 21.62        | 21.78        | 21.93        |
|           |            | 1       | 38        | 22.70   | 21.59        | 21.96        | 21.91        |
|           |            | 1       | 74        | 22.70   | 21.61        | 21.93        | 21.90        |
|           |            | 36      | 0         | 22.70   | 21.64        | 21.79        | 21.97        |
|           |            | 36      | 18        | 22.70   | 21.62        | 21.79        | 21.87        |
|           |            | 36      | 39        | 22.70   | 21.62        | 21.84        | 21.88        |
|           |            | 75      | 0         | 22.70   | 21.61        | 21.73        | 21.81        |
|           | 16QAM      | 1       | 0         | 22.70   | 21.56        | 21.95        | 22.00        |
|           |            | 1       | 38        | 22.70   | 21.73        | 22.02        | 21.92        |
|           |            | 1       | 74        | 22.70   | 21.72        | 21.76        | 21.79        |
|           |            | 36      | 0         | 21.70   | 20.59        | 20.77        | 20.91        |
|           |            | 36      | 18        | 21.70   | 20.61        | 20.74        | 20.90        |
|           |            | 36      | 39        | 21.70   | 20.60        | 20.80        | 20.91        |
|           |            | 75      | 0         | 21.70   | 20.55        | 20.72        | 20.73        |
|           | 64QAM      | 1       | 0         | 21.70   | 20.82        | 21.10        | 20.94        |
|           |            | 1       | 38        | 21.70   | 20.80        | 20.93        | 21.07        |
|           |            | 1       | 74        | 21.70   | 20.74        | 20.90        | 20.91        |
|           |            | 36      | 0         | 20.70   | 19.73        | 19.76        | 19.90        |
|           |            | 36      | 18        | 20.70   | 19.73        | 19.79        | 19.89        |
|           |            | 36      | 39        | 20.70   | 19.72        | 19.79        | 19.89        |
|           |            | 75      | 0         | 20.70   | 19.60        | 19.78        | 19.84        |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel      | Channel      | Channel      |
|           |            |         |           | Max.    | 20050CH      | 20175CH      | 20300CH      |
| 20MHz     | QPSK       | 1       | 0         | 22.70   | 21.88        | 21.97        | 22.23        |
|           |            | 1       | 50        | 22.70   | 21.87        | 21.95        | 22.21        |
|           |            | 1       | 99        | 22.70   | 21.87        | 21.95        | <b>22.27</b> |
|           |            | 50      | 0         | 22.70   | 21.64        | 21.77        | 21.92        |
|           |            | 50      | 25        | 22.70   | <b>21.70</b> | <b>21.86</b> | <b>21.94</b> |
|           |            | 50      | 50        | 22.70   | 21.68        | 21.84        | 21.94        |
|           |            | 100     | 0         | 22.70   | 21.69        | 21.85        | 21.91        |
|           | 16QAM      | 1       | 0         | 22.70   | 22.02        | 22.06        | 22.33        |
|           |            | 1       | 50        | 22.70   | 21.73        | 22.14        | 22.15        |
|           |            | 1       | 99        | 22.70   | 22.06        | 21.90        | 22.08        |
|           |            | 50      | 0         | 21.70   | 20.65        | 20.79        | 20.84        |
|           |            | 50      | 25        | 21.70   | 20.56        | 20.72        | 20.85        |
|           |            | 50      | 50        | 21.70   | 20.58        | 20.72        | 20.86        |
|           |            | 100     | 0         | 21.70   | 20.60        | 20.74        | 20.93        |
|           | 64QAM      | 1       | 0         | 21.70   | 20.88        | 21.09        | 21.04        |
|           |            | 1       | 50        | 21.70   | 21.02        | 20.98        | 21.09        |
|           |            | 1       | 99        | 21.70   | 21.00        | 20.84        | 21.07        |
|           |            | 50      | 0         | 20.70   | 19.67        | 19.78        | 19.96        |
|           |            | 50      | 25        | 20.70   | 19.69        | 19.79        | 19.97        |
|           |            | 50      | 50        | 20.70   | 19.71        | 19.77        | 19.97        |
|           |            | 100     | 0         | 20.70   | 19.63        | 19.81        | 19.93        |

Table 55: Test results conducted power measurement of LTE Band 4 (Reduced Power Level D3/D4/D5/D6)

Note: The Conducted power measurements of LTE Band 4 is measured with RMS detector.

### 7.1.15 Conducted power measurements of LTE Band 5(Second antenna)

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | Max.    | 20407CH | 20525CH | 20643CH |
| 1.4MHz    | QPSK       | 1       | 0         | 24.50   | 23.65   | 23.72   | 23.57   |
|           |            | 1       | 3         | 24.50   | 23.64   | 23.46   | 23.74   |
|           |            | 1       | 5         | 24.50   | 23.66   | 23.74   | 23.60   |
|           |            | 3       | 0         | 24.50   | 22.74   | 22.70   | 22.73   |
|           |            | 3       | 2         | 24.50   | 22.63   | 22.65   | 22.68   |
|           |            | 3       | 3         | 24.50   | 22.65   | 22.73   | 22.72   |
|           |            | 6       | 0         | 23.50   | 22.71   | 22.73   | 22.72   |
|           | 16QAM      | 1       | 0         | 23.50   | 23.02   | 22.73   | 22.72   |
|           |            | 1       | 3         | 23.50   | 22.67   | 22.78   | 22.74   |
|           |            | 1       | 5         | 23.50   | 23.01   | 22.78   | 22.73   |
|           |            | 3       | 0         | 23.50   | 21.71   | 21.68   | 21.55   |
|           |            | 3       | 2         | 23.50   | 21.71   | 21.58   | 21.75   |
|           |            | 3       | 3         | 23.50   | 21.67   | 21.56   | 21.63   |
|           |            | 6       | 0         | 22.50   | 21.57   | 21.69   | 21.66   |
|           | 64QAM      | 1       | 0         | 22.50   | 21.63   | 21.67   | 21.54   |
|           |            | 1       | 3         | 22.50   | 21.77   | 21.66   | 21.53   |
|           |            | 1       | 5         | 22.50   | 21.80   | 21.73   | 21.65   |
|           |            | 3       | 0         | 22.50   | 20.52   | 20.51   | 20.48   |
|           |            | 3       | 2         | 22.50   | 20.56   | 20.52   | 20.45   |
|           |            | 3       | 3         | 22.50   | 20.61   | 20.52   | 20.41   |
|           |            | 6       | 0         | 21.50   | 20.66   | 20.60   | 20.52   |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|           |            |         |           | Max.    | 20415CH | 20525CH | 20635CH |
| 3MHz      | QPSK       | 1       | 0         | 24.50   | 23.73   | 23.71   | 23.57   |
|           |            | 1       | 7         | 24.50   | 23.64   | 23.46   | 23.74   |
|           |            | 1       | 14        | 24.50   | 23.66   | 23.74   | 23.60   |
|           |            | 8       | 0         | 23.50   | 22.74   | 22.70   | 22.73   |
|           |            | 8       | 4         | 23.50   | 22.63   | 22.76   | 22.68   |
|           |            | 8       | 7         | 23.50   | 22.65   | 22.73   | 22.72   |
|           |            | 15      | 0         | 23.50   | 22.71   | 22.73   | 22.72   |
|           | 16QAM      | 1       | 0         | 23.50   | 23.02   | 22.73   | 22.72   |
|           |            | 1       | 7         | 23.50   | 22.67   | 22.78   | 22.74   |
|           |            | 1       | 14        | 23.50   | 23.01   | 22.78   | 22.73   |
|           |            | 8       | 0         | 22.50   | 21.71   | 21.68   | 21.55   |
|           |            | 8       | 4         | 22.50   | 21.71   | 21.58   | 21.75   |
|           |            | 8       | 7         | 22.50   | 21.67   | 21.56   | 21.63   |
|           |            | 15      | 0         | 22.50   | 21.57   | 21.69   | 21.66   |
|           | 64QAM      | 1       | 0         | 22.50   | 21.65   | 21.66   | 21.66   |
|           |            | 1       | 7         | 22.50   | 21.75   | 21.59   | 21.65   |
|           |            | 1       | 14        | 22.50   | 21.92   | 21.44   | 21.73   |
|           |            | 8       | 0         | 21.50   | 20.71   | 20.64   | 20.55   |
|           |            | 8       | 4         | 21.50   | 20.75   | 20.58   | 20.52   |
|           |            | 8       | 7         | 21.50   | 20.72   | 20.61   | 20.48   |
|           |            | 15      | 0         | 21.50   | 20.65   | 20.44   | 20.45   |

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel      | Channel      | Channel      |
|-----------|------------|---------|-----------|---------|--------------|--------------|--------------|
|           |            |         |           | Max.    | 20425CH      | 20525CH      | 20625CH      |
| 5MHz      | QPSK       | 1       | 0         | 24.50   | 23.69        | 23.58        | 23.62        |
|           |            | 1       | 13        | 24.50   | 23.69        | 23.73        | 23.64        |
|           |            | 1       | 24        | 24.50   | 23.77        | 23.69        | 23.58        |
|           |            | 12      | 0         | 23.50   | 22.63        | 22.72        | 22.77        |
|           |            | 12      | 6         | 23.50   | 22.64        | 22.72        | 22.54        |
|           |            | 12      | 13        | 23.50   | 22.70        | 22.80        | 22.65        |
|           |            | 25      | 0         | 23.50   | 22.63        | 22.70        | 22.67        |
|           | 16QAM      | 1       | 0         | 23.50   | 22.79        | 23.04        | 23.02        |
|           |            | 1       | 13        | 23.50   | 22.81        | 23.08        | 22.91        |
|           |            | 1       | 24        | 23.50   | 22.68        | 23.07        | 23.09        |
|           |            | 12      | 0         | 22.50   | 21.68        | 21.76        | 21.52        |
|           |            | 12      | 6         | 22.50   | 21.74        | 21.77        | 21.53        |
|           |            | 12      | 13        | 22.50   | 21.68        | 21.78        | 21.63        |
|           |            | 25      | 0         | 22.50   | 21.65        | 21.69        | 21.52        |
|           | 64QAM      | 1       | 0         | 22.50   | 21.71        | 21.52        | 21.56        |
|           |            | 1       | 13        | 22.50   | 21.80        | 21.57        | 21.76        |
|           |            | 1       | 24        | 22.50   | 21.60        | 21.45        | 21.52        |
|           |            | 12      | 0         | 21.50   | 20.50        | 20.52        | 20.59        |
|           |            | 12      | 6         | 21.50   | 20.48        | 20.51        | 20.47        |
|           |            | 12      | 13        | 21.50   | 20.50        | 20.51        | 20.55        |
|           |            | 25      | 0         | 21.50   | 20.68        | 20.48        | 20.47        |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel      | Channel      | Channel      |
|           |            |         |           | Max.    | 20450CH      | 20525CH      | 20600CH      |
| 10MHz     | QPSK       | 1       | 0         | 24.50   | 23.61        | <b>23.71</b> | <b>23.72</b> |
|           |            | 1       | 25        | 24.50   | 23.50        | 23.53        | 23.61        |
|           |            | 1       | 49        | 24.50   | <b>23.67</b> | 23.66        | 23.60        |
|           |            | 25      | 0         | 23.50   | 22.71        | 22.46        | 22.68        |
|           |            | 25      | 13        | 23.50   | 22.73        | 22.69        | 22.44        |
|           |            | 25      | 25        | 23.50   | 22.58        | <b>22.76</b> | 22.49        |
|           |            | 50      | 0         | 23.50   | 22.73        | 22.74        | 22.68        |
|           | 16QAM      | 1       | 0         | 23.50   | 22.76        | 22.71        | 22.81        |
|           |            | 1       | 25        | 23.50   | 22.90        | 22.93        | 22.67        |
|           |            | 1       | 49        | 23.50   | 22.75        | 22.95        | 22.71        |
|           |            | 25      | 0         | 22.50   | 21.46        | 21.47        | 21.67        |
|           |            | 25      | 13        | 22.50   | 21.48        | 21.70        | 21.48        |
|           |            | 25      | 25        | 22.50   | 21.56        | 21.71        | 21.44        |
|           |            | 50      | 0         | 22.50   | 21.62        | 21.44        | 21.68        |
|           | 64QAM      | 1       | 0         | 22.50   | 21.84        | 21.61        | 21.71        |
|           |            | 1       | 25        | 22.50   | 21.75        | 21.54        | 21.64        |
|           |            | 1       | 49        | 22.50   | 21.79        | 21.57        | 21.70        |
|           |            | 25      | 0         | 21.50   | 20.48        | 20.52        | 20.67        |
|           |            | 25      | 13        | 21.50   | 20.52        | 20.49        | 20.71        |
|           |            | 25      | 25        | 21.50   | 20.53        | 20.53        | 20.70        |
|           |            | 50      | 0         | 21.50   | 20.44        | 20.51        | 20.44        |

Table 56: Test results conducted power measurement of LTE Band 5 (Full Power)



| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | Max.    | 20407CH | 20525CH | 20643CH |
| 1.4MHz    | QPSK       | 1       | 0         | 19.50   | 18.64   | 18.54   | 18.59   |
|           |            | 1       | 3         | 19.50   | 18.67   | 18.56   | 18.48   |
|           |            | 1       | 5         | 19.50   | 18.52   | 18.54   | 18.59   |
|           |            | 3       | 0         | 19.50   | 18.62   | 18.59   | 18.37   |
|           |            | 3       | 2         | 19.50   | 18.71   | 18.57   | 18.50   |
|           |            | 3       | 3         | 19.50   | 18.72   | 18.57   | 18.60   |
|           |            | 6       | 0         | 19.50   | 18.70   | 18.58   | 18.48   |
|           | 16QAM      | 1       | 0         | 19.50   | 18.86   | 18.71   | 18.50   |
|           |            | 1       | 3         | 19.50   | 18.81   | 18.76   | 18.47   |
|           |            | 1       | 5         | 19.50   | 18.65   | 18.46   | 18.88   |
|           |            | 3       | 0         | 19.50   | 18.67   | 18.48   | 18.52   |
|           |            | 3       | 2         | 19.50   | 18.56   | 18.56   | 18.48   |
|           |            | 3       | 3         | 19.50   | 18.66   | 18.41   | 18.74   |
|           |            | 6       | 0         | 19.50   | 18.48   | 18.59   | 18.46   |
|           | 64QAM      | 1       | 0         | 19.50   | 18.97   | 18.72   | 18.69   |
|           |            | 1       | 3         | 19.50   | 18.83   | 18.58   | 18.72   |
|           |            | 1       | 5         | 19.50   | 18.97   | 18.61   | 18.61   |
|           |            | 3       | 0         | 19.50   | 18.54   | 18.64   | 18.49   |
|           |            | 3       | 2         | 19.50   | 18.77   | 18.55   | 18.38   |
|           |            | 3       | 3         | 19.50   | 18.76   | 18.56   | 18.61   |
|           |            | 6       | 0         | 19.50   | 18.59   | 18.49   | 18.41   |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|           |            |         |           | Max.    | 20415CH | 20525CH | 20635CH |
| 3MHz      | QPSK       | 1       | 0         | 19.50   | 18.73   | 18.56   | 18.58   |
|           |            | 1       | 7         | 19.50   | 18.62   | 18.57   | 18.57   |
|           |            | 1       | 14        | 19.50   | 18.69   | 18.56   | 18.57   |
|           |            | 8       | 0         | 19.50   | 18.58   | 18.56   | 18.46   |
|           |            | 8       | 4         | 19.50   | 18.59   | 18.56   | 18.43   |
|           |            | 8       | 7         | 19.50   | 18.59   | 18.55   | 18.43   |
|           |            | 15      | 0         | 19.50   | 18.66   | 18.47   | 18.62   |
|           | 16QAM      | 1       | 0         | 19.50   | 18.46   | 18.70   | 18.56   |
|           |            | 1       | 7         | 19.50   | 18.85   | 18.63   | 18.57   |
|           |            | 1       | 14        | 19.50   | 18.92   | 18.60   | 18.59   |
|           |            | 8       | 0         | 19.50   | 18.55   | 18.48   | 18.45   |
|           |            | 8       | 4         | 19.50   | 18.53   | 18.50   | 18.39   |
|           |            | 8       | 7         | 19.50   | 18.48   | 18.54   | 18.37   |
|           |            | 15      | 0         | 19.50   | 18.57   | 18.44   | 18.33   |
|           | 64QAM      | 1       | 0         | 19.50   | 18.84   | 18.47   | 18.60   |
|           |            | 1       | 7         | 19.50   | 18.72   | 18.51   | 18.74   |
|           |            | 1       | 14        | 19.50   | 18.76   | 18.61   | 18.72   |
|           |            | 8       | 0         | 19.50   | 18.66   | 18.61   | 18.50   |
|           |            | 8       | 4         | 19.50   | 18.65   | 18.60   | 18.47   |
|           |            | 8       | 7         | 19.50   | 18.68   | 18.61   | 18.53   |
|           |            | 15      | 0         | 19.50   | 18.60   | 18.49   | 18.45   |

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel      | Channel      | Channel      |
|-----------|------------|---------|-----------|---------|--------------|--------------|--------------|
|           |            |         |           | Max.    | 20425CH      | 20525CH      | 20625CH      |
| 5MHz      | QPSK       | 1       | 0         | 19.50   | 18.62        | 18.38        | 18.63        |
|           |            | 1       | 13        | 19.50   | 18.65        | 18.39        | 18.60        |
|           |            | 1       | 24        | 19.50   | 18.62        | 18.46        | 18.60        |
|           |            | 12      | 0         | 19.50   | 18.62        | 18.42        | 18.68        |
|           |            | 12      | 6         | 19.50   | 18.61        | 18.42        | 18.68        |
|           |            | 12      | 13        | 19.50   | 18.62        | 18.42        | 18.67        |
|           |            | 25      | 0         | 19.50   | 18.56        | 18.42        | 18.60        |
|           | 16QAM      | 1       | 0         | 19.50   | 18.85        | 18.62        | 18.72        |
|           |            | 1       | 13        | 19.50   | 18.84        | 18.51        | 18.60        |
|           |            | 1       | 24        | 19.50   | 18.90        | 18.58        | 18.77        |
|           |            | 12      | 0         | 19.50   | 18.40        | 18.35        | 18.67        |
|           |            | 12      | 6         | 19.50   | 18.57        | 18.42        | 18.48        |
|           |            | 12      | 13        | 19.50   | 18.55        | 18.39        | 18.46        |
|           |            | 25      | 0         | 19.50   | 18.32        | 18.34        | 18.42        |
|           | 64QAM      | 1       | 0         | 19.50   | 18.63        | 18.68        | 18.65        |
|           |            | 1       | 13        | 19.50   | 18.95        | 18.44        | 18.73        |
|           |            | 1       | 24        | 19.50   | 18.74        | 18.67        | 18.69        |
|           |            | 12      | 0         | 19.50   | 18.70        | 18.39        | 18.65        |
|           |            | 12      | 6         | 19.50   | 18.66        | 18.47        | 18.39        |
|           |            | 12      | 13        | 19.50   | 18.65        | 18.44        | 18.52        |
|           |            | 25      | 0         | 19.50   | 18.53        | 18.46        | 18.37        |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel      | Channel      | Channel      |
|           |            |         |           | Max.    | 20450CH      | 20525CH      | 20600CH      |
| 10MHz     | QPSK       | 1       | 0         | 19.50   | 18.62        | 18.45        | <b>18.69</b> |
|           |            | 1       | 25        | 19.50   | 18.67        | 18.51        | 18.43        |
|           |            | 1       | 49        | 19.50   | 18.68        | 18.46        | 18.43        |
|           |            | 25      | 0         | 19.50   | 18.58        | 18.46        | <b>18.57</b> |
|           |            | 25      | 13        | 19.50   | <b>18.59</b> | 18.51        | 18.56        |
|           |            | 25      | 25        | 19.50   | 18.58        | <b>18.60</b> | 18.56        |
|           |            | 50      | 0         | 19.50   | 18.45        | 18.50        | 18.56        |
|           | 16QAM      | 1       | 0         | 19.50   | 18.94        | 18.54        | 18.39        |
|           |            | 1       | 25        | 19.50   | 18.73        | 18.55        | 18.45        |
|           |            | 1       | 49        | 19.50   | 18.86        | 18.51        | 18.44        |
|           |            | 25      | 0         | 19.50   | 18.34        | 18.39        | 18.59        |
|           |            | 25      | 13        | 19.50   | 18.42        | 18.40        | 18.62        |
|           |            | 25      | 25        | 19.50   | 18.45        | 18.38        | 18.55        |
|           |            | 50      | 0         | 19.50   | 18.42        | 18.45        | 18.58        |
|           | 64QAM      | 1       | 0         | 19.50   | 18.93        | 18.57        | 18.62        |
|           |            | 1       | 25        | 19.50   | 18.86        | 18.70        | 18.40        |
|           |            | 1       | 49        | 19.50   | 18.83        | 18.58        | 18.67        |
|           |            | 25      | 0         | 19.50   | 18.38        | 18.44        | 18.64        |
|           |            | 25      | 13        | 19.50   | 18.63        | 18.49        | 18.64        |
|           |            | 25      | 25        | 19.50   | 18.41        | 18.45        | 18.63        |
|           |            | 50      | 0         | 19.50   | 18.39        | 18.46        | 18.62        |

Table 57: Test results conducted power measurement of LTE Band 5 (Reduced Power Level D1)

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | Max.    | 20407CH | 20525CH | 20643CH |
| 1.4MHz    | QPSK       | 1       | 0         | 20.50   | 19.55   | 19.46   | 19.60   |
|           |            | 1       | 3         | 20.50   | 19.59   | 19.46   | 19.61   |
|           |            | 1       | 5         | 20.50   | 19.59   | 19.45   | 19.60   |
|           |            | 3       | 0         | 20.50   | 19.68   | 19.48   | 19.39   |
|           |            | 3       | 2         | 20.50   | 19.65   | 19.58   | 19.63   |
|           |            | 3       | 3         | 20.50   | 19.53   | 19.47   | 19.62   |
|           |            | 6       | 0         | 20.50   | 19.48   | 19.43   | 19.38   |
|           | 16QAM      | 1       | 0         | 20.50   | 19.84   | 19.54   | 19.51   |
|           |            | 1       | 3         | 20.50   | 19.61   | 19.33   | 19.39   |
|           |            | 1       | 5         | 20.50   | 19.65   | 19.51   | 19.35   |
|           |            | 3       | 0         | 20.50   | 19.57   | 19.49   | 19.40   |
|           |            | 3       | 2         | 20.50   | 19.45   | 19.57   | 19.33   |
|           |            | 3       | 3         | 20.50   | 19.67   | 19.55   | 19.44   |
|           |            | 6       | 0         | 20.50   | 19.45   | 19.38   | 19.40   |
|           | 64QAM      | 1       | 0         | 20.50   | 19.70   | 19.31   | 19.31   |
|           |            | 1       | 3         | 20.50   | 19.58   | 19.53   | 19.34   |
|           |            | 1       | 5         | 20.50   | 19.66   | 19.55   | 19.36   |
|           |            | 3       | 0         | 20.50   | 19.67   | 19.55   | 19.45   |
|           |            | 3       | 2         | 20.50   | 19.59   | 19.66   | 19.52   |
|           |            | 3       | 3         | 20.50   | 19.60   | 19.54   | 19.45   |
|           |            | 6       | 0         | 20.50   | 19.52   | 19.52   | 19.60   |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|           |            |         |           | Max.    | 20415CH | 20525CH | 20635CH |
| 3MHz      | QPSK       | 1       | 0         | 20.50   | 19.63   | 19.53   | 19.50   |
|           |            | 1       | 7         | 20.50   | 19.60   | 19.55   | 19.45   |
|           |            | 1       | 14        | 20.50   | 19.59   | 19.56   | 19.47   |
|           |            | 8       | 0         | 20.50   | 19.54   | 19.49   | 19.41   |
|           |            | 8       | 4         | 20.50   | 19.66   | 19.49   | 19.42   |
|           |            | 8       | 7         | 20.50   | 19.54   | 19.50   | 19.43   |
|           |            | 15      | 0         | 20.50   | 19.61   | 19.44   | 19.40   |
|           | 16QAM      | 1       | 0         | 20.50   | 19.59   | 19.58   | 19.60   |
|           |            | 1       | 7         | 20.50   | 19.84   | 19.55   | 19.63   |
|           |            | 1       | 14        | 20.50   | 19.70   | 19.56   | 19.78   |
|           |            | 8       | 0         | 20.50   | 19.57   | 19.29   | 19.38   |
|           |            | 8       | 4         | 20.50   | 19.68   | 19.56   | 19.42   |
|           |            | 8       | 7         | 20.50   | 19.65   | 19.55   | 19.39   |
|           |            | 15      | 0         | 20.50   | 19.59   | 19.41   | 19.33   |
|           | 64QAM      | 1       | 0         | 20.50   | 19.72   | 19.67   | 19.67   |
|           |            | 1       | 7         | 20.50   | 19.68   | 19.80   | 19.56   |
|           |            | 1       | 14        | 20.50   | 19.72   | 19.70   | 19.62   |
|           |            | 8       | 0         | 20.50   | 19.64   | 19.57   | 19.35   |
|           |            | 8       | 4         | 20.50   | 19.67   | 19.59   | 19.44   |
|           |            | 8       | 7         | 20.50   | 19.50   | 19.64   | 19.34   |
|           |            | 15      | 0         | 20.50   | 19.53   | 19.43   | 19.30   |

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel      | Channel      | Channel      |
|-----------|------------|---------|-----------|---------|--------------|--------------|--------------|
|           |            |         |           | Max.    | 20425CH      | 20525CH      | 20625CH      |
| 5MHz      | QPSK       | 1       | 0         | 20.50   | 19.47        | 19.38        | 19.48        |
|           |            | 1       | 13        | 20.50   | 19.55        | 19.38        | 19.49        |
|           |            | 1       | 24        | 20.50   | 19.53        | 19.43        | 19.50        |
|           |            | 12      | 0         | 20.50   | 19.64        | 19.33        | 19.61        |
|           |            | 12      | 6         | 20.50   | 19.63        | 19.32        | 19.44        |
|           |            | 12      | 13        | 20.50   | 19.57        | 19.38        | 19.63        |
|           |            | 25      | 0         | 20.50   | 19.58        | 19.33        | 19.42        |
|           | 16QAM      | 1       | 0         | 20.50   | 19.78        | 19.73        | 19.74        |
|           |            | 1       | 13        | 20.50   | 19.72        | 19.47        | 19.69        |
|           |            | 1       | 24        | 20.50   | 19.66        | 19.56        | 19.76        |
|           |            | 12      | 0         | 20.50   | 19.60        | 19.40        | 19.42        |
|           |            | 12      | 6         | 20.50   | 19.60        | 19.45        | 19.34        |
|           |            | 12      | 13        | 20.50   | 19.60        | 19.43        | 19.44        |
|           |            | 25      | 0         | 20.50   | 19.57        | 19.39        | 19.35        |
|           | 64QAM      | 1       | 0         | 20.50   | 19.55        | 19.79        | 19.39        |
|           |            | 1       | 13        | 20.50   | 19.84        | 19.65        | 19.58        |
|           |            | 1       | 24        | 20.50   | 19.75        | 19.53        | 19.31        |
|           |            | 12      | 0         | 20.50   | 19.46        | 19.51        | 19.41        |
|           |            | 12      | 6         | 20.50   | 19.46        | 19.43        | 19.39        |
|           |            | 12      | 13        | 20.50   | 19.42        | 19.44        | 19.35        |
|           |            | 25      | 0         | 20.50   | 19.62        | 19.39        | 19.40        |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel      | Channel      | Channel      |
|           |            |         |           | Max.    | 20450CH      | 20525CH      | 20600CH      |
| 10MHz     | QPSK       | 1       | 0         | 20.50   | 19.58        | 19.39        | 19.59        |
|           |            | 1       | 25        | 20.50   | 19.59        | 19.39        | 19.59        |
|           |            | 1       | 49        | 20.50   | <b>19.66</b> | 19.42        | 19.62        |
|           |            | 25      | 0         | 20.50   | <b>19.67</b> | 19.49        | 19.60        |
|           |            | 25      | 13        | 20.50   | 19.64        | 19.49        | 19.61        |
|           |            | 25      | 25        | 20.50   | 19.64        | <b>19.49</b> | <b>19.61</b> |
|           |            | 50      | 0         | 20.50   | 19.64        | 19.47        | 19.60        |
|           | 16QAM      | 1       | 0         | 20.50   | 19.80        | 19.55        | 19.40        |
|           |            | 1       | 25        | 20.50   | 19.86        | 19.48        | 19.46        |
|           |            | 1       | 49        | 20.50   | 19.89        | 19.52        | 19.42        |
|           |            | 25      | 0         | 20.50   | 19.44        | 19.47        | 19.54        |
|           |            | 25      | 13        | 20.50   | 19.60        | 19.41        | 19.56        |
|           |            | 25      | 25        | 20.50   | 19.58        | 19.43        | 19.54        |
|           |            | 50      | 0         | 20.50   | 19.38        | 19.41        | 19.53        |
|           | 64QAM      | 1       | 0         | 20.50   | 19.79        | 19.54        | 19.38        |
|           |            | 1       | 25        | 20.50   | 19.99        | 19.56        | 19.50        |
|           |            | 1       | 49        | 20.50   | 19.81        | 19.37        | 19.41        |
|           |            | 25      | 0         | 20.50   | 19.62        | 19.44        | 19.57        |
|           |            | 25      | 13        | 20.50   | 19.60        | 19.48        | 19.49        |
|           |            | 25      | 25        | 20.50   | 19.61        | 19.46        | 19.59        |
|           |            | 50      | 0         | 20.50   | 19.38        | 19.44        | 19.28        |

Table 58: Test results conducted power measurement of LTE Band 5 (Reduced Power Level D2)

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | Max.    | 20407CH | 20525CH | 20643CH |
| 1.4MHz    | QPSK       | 1       | 0         | 15.50   | 14.53   | 14.45   | 14.63   |
|           |            | 1       | 3         | 15.50   | 14.54   | 14.48   | 14.64   |
|           |            | 1       | 5         | 15.50   | 14.50   | 14.49   | 14.65   |
|           |            | 3       | 0         | 15.50   | 14.60   | 14.48   | 14.48   |
|           |            | 3       | 2         | 15.50   | 14.57   | 14.59   | 14.36   |
|           |            | 3       | 3         | 15.50   | 14.69   | 14.47   | 14.36   |
|           |            | 6       | 0         | 15.50   | 14.55   | 14.56   | 14.62   |
|           | 16QAM      | 1       | 0         | 15.50   | 14.78   | 14.61   | 14.63   |
|           |            | 1       | 3         | 15.50   | 14.94   | 14.40   | 14.49   |
|           |            | 1       | 5         | 15.50   | 14.75   | 14.57   | 14.36   |
|           |            | 3       | 0         | 15.50   | 14.64   | 14.56   | 14.46   |
|           |            | 3       | 2         | 15.50   | 14.61   | 14.44   | 14.42   |
|           |            | 3       | 3         | 15.50   | 14.61   | 14.70   | 14.37   |
|           |            | 6       | 0         | 15.50   | 14.47   | 14.46   | 14.35   |
|           | 64QAM      | 1       | 0         | 15.50   | 14.72   | 14.52   | 14.45   |
|           |            | 1       | 3         | 15.50   | 14.42   | 14.56   | 14.57   |
|           |            | 1       | 5         | 15.50   | 14.64   | 14.61   | 14.65   |
|           |            | 3       | 0         | 15.50   | 14.71   | 14.60   | 14.54   |
|           |            | 3       | 2         | 15.50   | 14.61   | 14.43   | 14.47   |
|           |            | 3       | 3         | 15.50   | 14.56   | 14.65   | 14.57   |
|           |            | 6       | 0         | 15.50   | 14.47   | 14.47   | 14.62   |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|           |            |         |           | Max.    | 20415CH | 20525CH | 20635CH |
| 3MHz      | QPSK       | 1       | 0         | 15.50   | 14.54   | 14.49   | 14.60   |
|           |            | 1       | 7         | 15.50   | 14.54   | 14.53   | 14.58   |
|           |            | 1       | 14        | 15.50   | 14.58   | 14.53   | 14.60   |
|           |            | 8       | 0         | 15.50   | 14.59   | 14.61   | 14.46   |
|           |            | 8       | 4         | 15.50   | 14.70   | 14.59   | 14.46   |
|           |            | 8       | 7         | 15.50   | 14.60   | 14.60   | 14.46   |
|           |            | 15      | 0         | 15.50   | 14.66   | 14.40   | 14.43   |
|           | 16QAM      | 1       | 0         | 15.50   | 14.61   | 14.67   | 14.79   |
|           |            | 1       | 7         | 15.50   | 14.91   | 14.55   | 14.83   |
|           |            | 1       | 14        | 15.50   | 14.85   | 14.69   | 14.83   |
|           |            | 8       | 0         | 15.50   | 14.63   | 14.26   | 14.55   |
|           |            | 8       | 4         | 15.50   | 14.58   | 14.61   | 14.47   |
|           |            | 8       | 7         | 15.50   | 14.59   | 14.58   | 14.55   |
|           |            | 15      | 0         | 15.50   | 14.60   | 14.37   | 14.34   |
|           | 64QAM      | 1       | 0         | 15.50   | 14.78   | 14.70   | 14.80   |
|           |            | 1       | 7         | 15.50   | 14.72   | 14.72   | 14.84   |
|           |            | 1       | 14        | 15.50   | 14.67   | 14.66   | 14.63   |
|           |            | 8       | 0         | 15.50   | 14.45   | 14.56   | 14.55   |
|           |            | 8       | 4         | 15.50   | 14.75   | 14.61   | 14.56   |
|           |            | 8       | 7         | 15.50   | 14.73   | 14.66   | 14.49   |
|           |            | 15      | 0         | 15.50   | 14.68   | 14.46   | 14.40   |

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | Max.    | 20425CH | 20525CH | 20625CH |
| 5MHz      | QPSK       | 1       | 0         | 15.50   | 14.47   | 14.38   | 14.52   |
|           |            | 1       | 13        | 15.50   | 14.53   | 14.34   | 14.53   |
|           |            | 1       | 24        | 15.50   | 14.48   | 14.38   | 14.55   |
|           |            | 12      | 0         | 15.50   | 14.70   | 14.39   | 14.63   |
|           |            | 12      | 6         | 15.50   | 14.70   | 14.39   | 14.39   |
|           |            | 12      | 13        | 15.50   | 14.66   | 14.35   | 14.61   |
|           |            | 25      | 0         | 15.50   | 14.64   | 14.33   | 14.41   |
|           | 16QAM      | 1       | 0         | 15.50   | 14.76   | 14.67   | 14.82   |
|           |            | 1       | 13        | 15.50   | 14.81   | 14.60   | 14.66   |
|           |            | 1       | 24        | 15.50   | 14.76   | 14.62   | 14.76   |
|           |            | 12      | 0         | 15.50   | 14.67   | 14.49   | 14.44   |
|           |            | 12      | 6         | 15.50   | 14.68   | 14.46   | 14.39   |
|           |            | 12      | 13        | 15.50   | 14.67   | 14.47   | 14.42   |
|           |            | 25      | 0         | 15.50   | 14.53   | 14.42   | 14.41   |
|           | 64QAM      | 1       | 0         | 15.50   | 14.67   | 14.60   | 14.28   |
|           |            | 1       | 13        | 15.50   | 14.82   | 14.45   | 14.46   |
|           |            | 1       | 24        | 15.50   | 14.83   | 14.56   | 14.30   |
|           |            | 12      | 0         | 15.50   | 14.51   | 14.57   | 14.48   |
|           |            | 12      | 6         | 15.50   | 14.39   | 14.51   | 14.47   |
|           |            | 12      | 13        | 15.50   | 14.42   | 14.61   | 14.42   |
|           |            | 25      | 0         | 15.50   | 14.67   | 14.55   | 14.46   |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|           |            |         |           | Max.    | 20450CH | 20525CH | 20600CH |
| 10MHz     | QPSK       | 1       | 0         | 15.50   | 14.63   | 14.46   | 14.56   |
|           |            | 1       | 25        | 15.50   | 14.64   | 14.46   | 14.59   |
|           |            | 1       | 49        | 15.50   | 14.62   | 14.43   | 14.57   |
|           |            | 25      | 0         | 15.50   | 14.48   | 14.46   | 14.60   |
|           |            | 25      | 13        | 15.50   | 14.63   | 14.46   | 14.61   |
|           |            | 25      | 25        | 15.50   | 14.46   | 14.46   | 14.63   |
|           |            | 50      | 0         | 15.50   | 14.41   | 14.47   | 14.61   |
|           | 16QAM      | 1       | 0         | 15.50   | 14.93   | 14.46   | 14.58   |
|           |            | 1       | 25        | 15.50   | 14.83   | 14.45   | 14.41   |
|           |            | 1       | 49        | 15.50   | 14.70   | 14.51   | 14.46   |
|           |            | 25      | 0         | 15.50   | 14.39   | 14.38   | 14.57   |
|           |            | 25      | 13        | 15.50   | 14.35   | 14.42   | 14.56   |
|           |            | 25      | 25        | 15.50   | 14.38   | 14.42   | 14.57   |
|           |            | 50      | 0         | 15.50   | 14.37   | 14.38   | 14.59   |
|           | 64QAM      | 1       | 0         | 15.50   | 14.80   | 14.56   | 14.56   |
|           |            | 1       | 25        | 15.50   | 14.80   | 14.51   | 14.31   |
|           |            | 1       | 49        | 15.50   | 14.88   | 14.48   | 14.54   |
|           |            | 25      | 0         | 15.50   | 14.64   | 14.55   | 14.60   |
|           |            | 25      | 13        | 15.50   | 14.72   | 14.53   | 14.61   |
|           |            | 25      | 25        | 15.50   | 14.68   | 14.53   | 14.60   |
|           |            | 50      | 0         | 15.50   | 14.45   | 14.53   | 14.37   |

Table 59: Test results conducted power measurement of LTE Band 5 (Reduced Power Level D3)

Note: The Conducted power measurements of LTE Band 5 is measured with RMS detector.

### 7.1.16 Conducted power measurements of LTE Band 5(Main antenna)

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | Max.    | 20407CH | 20525CH | 20643CH |
| 1.4MHz    | QPSK       | 1       | 0         | 25.00   | 24.05   | 23.90   | 23.89   |
|           |            | 1       | 3         | 25.00   | 23.99   | 23.84   | 23.90   |
|           |            | 1       | 5         | 25.00   | 24.12   | 23.97   | 23.85   |
|           |            | 3       | 0         | 25.00   | 23.65   | 23.95   | 23.74   |
|           |            | 3       | 2         | 25.00   | 23.93   | 23.92   | 23.83   |
|           |            | 3       | 3         | 25.00   | 23.94   | 23.85   | 23.95   |
|           |            | 6       | 0         | 24.00   | 23.17   | 22.97   | 22.85   |
|           | 16QAM      | 1       | 0         | 24.00   | 22.93   | 23.08   | 23.42   |
|           |            | 1       | 3         | 24.00   | 22.85   | 23.04   | 23.14   |
|           |            | 1       | 5         | 24.00   | 23.16   | 23.15   | 23.19   |
|           |            | 3       | 0         | 24.00   | 22.87   | 22.81   | 22.74   |
|           |            | 3       | 2         | 24.00   | 22.94   | 22.97   | 22.92   |
|           |            | 3       | 3         | 24.00   | 22.74   | 22.85   | 22.77   |
|           |            | 6       | 0         | 23.00   | 21.92   | 21.92   | 21.88   |
|           | 64QAM      | 1       | 0         | 23.00   | 22.09   | 22.21   | 21.91   |
|           |            | 1       | 3         | 23.00   | 22.01   | 22.15   | 21.70   |
|           |            | 1       | 5         | 23.00   | 21.99   | 22.05   | 21.87   |
|           |            | 3       | 0         | 23.00   | 21.76   | 21.72   | 21.75   |
|           |            | 3       | 2         | 23.00   | 21.86   | 21.98   | 21.75   |
|           |            | 3       | 3         | 23.00   | 21.84   | 22.00   | 21.77   |
|           |            | 6       | 0         | 22.00   | 20.92   | 20.95   | 20.99   |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|           |            |         |           | Max.    | 20415CH | 20525CH | 20635CH |
| 3MHz      | QPSK       | 1       | 0         | 25.00   | 24.02   | 24.01   | 23.86   |
|           |            | 1       | 7         | 25.00   | 23.78   | 23.80   | 23.79   |
|           |            | 1       | 14        | 25.00   | 23.83   | 23.88   | 23.92   |
|           |            | 8       | 0         | 24.00   | 23.02   | 22.97   | 22.95   |
|           |            | 8       | 4         | 24.00   | 23.04   | 23.12   | 22.84   |
|           |            | 8       | 7         | 24.00   | 22.96   | 22.87   | 23.03   |
|           |            | 15      | 0         | 24.00   | 22.96   | 22.98   | 22.99   |
|           | 16QAM      | 1       | 0         | 24.00   | 23.24   | 23.17   | 23.04   |
|           |            | 1       | 7         | 24.00   | 23.02   | 23.07   | 23.12   |
|           |            | 1       | 14        | 24.00   | 23.21   | 23.23   | 23.40   |
|           |            | 8       | 0         | 23.00   | 21.88   | 21.96   | 21.81   |
|           |            | 8       | 4         | 23.00   | 21.90   | 22.08   | 21.82   |
|           |            | 8       | 7         | 23.00   | 21.93   | 22.07   | 21.89   |
|           |            | 15      | 0         | 23.00   | 21.94   | 21.96   | 21.95   |
|           | 64QAM      | 1       | 0         | 23.00   | 21.73   | 21.83   | 21.55   |
|           |            | 1       | 7         | 23.00   | 21.76   | 22.05   | 21.96   |
|           |            | 1       | 14        | 23.00   | 21.95   | 21.97   | 21.78   |
|           |            | 8       | 0         | 22.00   | 20.94   | 20.91   | 20.98   |
|           |            | 8       | 4         | 22.00   | 20.98   | 20.92   | 20.77   |
|           |            | 8       | 7         | 22.00   | 20.98   | 20.92   | 20.76   |
|           |            | 15      | 0         | 22.00   | 20.94   | 20.92   | 20.76   |



| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel      | Channel      | Channel      |
|-----------|------------|---------|-----------|---------|--------------|--------------|--------------|
|           |            |         |           | Max.    | 20425CH      | 20525CH      | 20625CH      |
| 5MHz      | QPSK       | 1       | 0         | 25.00   | 24.02        | 23.99        | 23.99        |
|           |            | 1       | 13        | 25.00   | 24.03        | 23.98        | 23.99        |
|           |            | 1       | 24        | 25.00   | 24.01        | 23.89        | 23.91        |
|           |            | 12      | 0         | 24.00   | 23.06        | 22.99        | 22.83        |
|           |            | 12      | 6         | 24.00   | 22.97        | 23.04        | 22.77        |
|           |            | 12      | 13        | 24.00   | 22.92        | 23.07        | 22.91        |
|           |            | 25      | 0         | 24.00   | 22.96        | 23.00        | 22.91        |
|           | 16QAM      | 1       | 0         | 24.00   | 23.10        | 23.39        | 23.21        |
|           |            | 1       | 13        | 24.00   | 23.15        | 23.38        | 23.35        |
|           |            | 1       | 24        | 24.00   | 23.01        | 23.36        | 23.32        |
|           |            | 12      | 0         | 23.00   | 21.99        | 22.02        | 21.81        |
|           |            | 12      | 6         | 23.00   | 21.78        | 22.03        | 21.76        |
|           |            | 12      | 13        | 23.00   | 21.92        | 22.04        | 21.87        |
|           |            | 25      | 0         | 23.00   | 21.99        | 21.97        | 21.77        |
|           | 64QAM      | 1       | 0         | 23.00   | 21.83        | 21.86        | 21.70        |
|           |            | 1       | 13        | 23.00   | 22.07        | 21.83        | 21.88        |
|           |            | 1       | 24        | 23.00   | 22.06        | 22.06        | 21.75        |
|           |            | 12      | 0         | 22.00   | 20.85        | 20.87        | 20.84        |
|           |            | 12      | 6         | 22.00   | 20.69        | 20.84        | 20.83        |
|           |            | 12      | 13        | 22.00   | 20.75        | 20.88        | 20.84        |
|           |            | 25      | 0         | 22.00   | 20.76        | 20.90        | 20.79        |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel      | Channel      | Channel      |
|           |            |         |           | Max.    | 20450CH      | 20525CH      | 20600CH      |
| 10MHz     | QPSK       | 1       | 0         | 25.00   | 23.82        | <b>23.92</b> | <b>23.93</b> |
|           |            | 1       | 25        | 25.00   | 23.79        | 23.87        | 23.92        |
|           |            | 1       | 49        | 25.00   | <b>23.86</b> | 23.12        | 23.86        |
|           |            | 25      | 0         | 24.00   | 22.99        | 22.90        | 22.98        |
|           |            | 25      | 13        | 24.00   | 22.74        | 22.97        | 22.77        |
|           |            | 25      | 25        | 24.00   | 22.92        | <b>23.02</b> | 22.75        |
|           |            | 50      | 0         | 24.00   | 22.74        | 22.99        | 22.96        |
|           | 16QAM      | 1       | 0         | 24.00   | 23.01        | 23.27        | 22.99        |
|           |            | 1       | 25        | 24.00   | 23.02        | 23.26        | 22.94        |
|           |            | 1       | 49        | 24.00   | 23.09        | 23.30        | 22.91        |
|           |            | 25      | 0         | 23.00   | 21.73        | 21.79        | 21.94        |
|           |            | 25      | 13        | 23.00   | 21.74        | 21.89        | 21.80        |
|           |            | 25      | 25        | 23.00   | 21.68        | 21.93        | 21.73        |
|           |            | 50      | 0         | 23.00   | 21.82        | 21.88        | 21.72        |
|           | 64QAM      | 1       | 0         | 23.00   | 22.00        | 21.97        | 21.71        |
|           |            | 1       | 25        | 23.00   | 22.09        | 21.96        | 21.85        |
|           |            | 1       | 49        | 23.00   | 21.89        | 21.68        | 22.01        |
|           |            | 25      | 0         | 22.00   | 20.81        | 20.89        | 20.73        |
|           |            | 25      | 13        | 22.00   | 20.71        | 20.86        | 20.95        |
|           |            | 25      | 25        | 22.00   | 20.77        | 20.89        | 20.72        |
|           |            | 50      | 0         | 22.00   | 20.74        | 20.91        | 20.75        |

Table 60: Test results conducted power measurement of LTE Band 5

Note: The Conducted power measurements of LTE Band 5 is measured with RMS detector.

### 7.1.17 Conducted power measurements of LTE Band 7(Second antenna)

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | Max.    | 20775CH | 21100CH | 21425CH |
| 5MHz      | QPSK       | 1       | 0         | 22.20   | 21.53   | 21.58   | 21.73   |
|           |            | 1       | 13        | 22.20   | 21.51   | 21.45   | 21.93   |
|           |            | 1       | 24        | 22.20   | 21.68   | 21.45   | 21.86   |
|           |            | 12      | 0         | 21.70   | 21.21   | 20.94   | 21.38   |
|           |            | 12      | 6         | 21.70   | 21.24   | 20.93   | 21.38   |
|           |            | 12      | 13        | 21.70   | 21.22   | 20.95   | 21.37   |
|           |            | 25      | 0         | 21.70   | 21.25   | 21.10   | 21.39   |
|           | 16QAM      | 1       | 0         | 21.70   | 20.25   | 20.22   | 20.80   |
|           |            | 1       | 13        | 21.70   | 20.33   | 20.32   | 20.66   |
|           |            | 1       | 24        | 21.70   | 20.29   | 20.20   | 20.77   |
|           |            | 12      | 0         | 20.70   | 19.14   | 19.11   | 19.46   |
|           |            | 12      | 6         | 20.70   | 19.24   | 18.97   | 19.38   |
|           |            | 12      | 13        | 20.70   | 19.19   | 19.14   | 19.45   |
|           |            | 25      | 0         | 20.70   | 19.12   | 19.14   | 19.60   |
|           | 64QAM      | 1       | 0         | 20.70   | 19.55   | 19.29   | 19.71   |
|           |            | 1       | 13        | 20.70   | 19.32   | 19.10   | 19.84   |
|           |            | 1       | 24        | 20.70   | 19.41   | 19.32   | 19.85   |
|           |            | 12      | 0         | 19.70   | 18.01   | 18.11   | 18.42   |
|           |            | 12      | 6         | 19.70   | 18.06   | 18.13   | 18.40   |
|           |            | 12      | 13        | 19.70   | 18.01   | 18.04   | 18.46   |
|           |            | 25      | 0         | 19.70   | 18.10   | 18.12   | 18.44   |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|           |            |         |           | Max.    | 20800CH | 21100CH | 21400CH |
| 10MHz     | QPSK       | 1       | 0         | 22.20   | 20.66   | 20.42   | 21.04   |
|           |            | 1       | 25        | 22.20   | 20.63   | 20.40   | 21.08   |
|           |            | 1       | 49        | 22.20   | 20.67   | 20.46   | 21.06   |
|           |            | 25      | 0         | 21.70   | 20.04   | 20.02   | 20.42   |
|           |            | 25      | 13        | 21.70   | 20.02   | 20.00   | 20.50   |
|           |            | 25      | 25        | 21.70   | 20.12   | 19.95   | 20.50   |
|           |            | 50      | 0         | 21.70   | 20.02   | 19.99   | 20.45   |
|           | 16QAM      | 1       | 0         | 21.70   | 20.17   | 20.24   | 20.72   |
|           |            | 1       | 25        | 21.70   | 20.30   | 19.96   | 20.68   |
|           |            | 1       | 49        | 21.70   | 20.31   | 20.01   | 20.71   |
|           |            | 25      | 0         | 20.70   | 19.06   | 19.17   | 19.56   |
|           |            | 25      | 13        | 20.70   | 19.07   | 19.13   | 19.56   |
|           |            | 25      | 25        | 20.70   | 19.08   | 19.16   | 19.53   |
|           |            | 50      | 0         | 20.70   | 18.85   | 19.14   | 19.36   |
|           | 64QAM      | 1       | 0         | 20.70   | 19.30   | 19.33   | 19.64   |
|           |            | 1       | 25        | 20.70   | 19.29   | 19.35   | 19.81   |
|           |            | 1       | 49        | 20.70   | 19.25   | 19.08   | 19.25   |
|           |            | 25      | 0         | 19.70   | 18.12   | 18.03   | 18.63   |
|           |            | 25      | 13        | 19.70   | 18.02   | 18.18   | 18.53   |
|           |            | 25      | 25        | 19.70   | 17.97   | 18.05   | 18.57   |
|           |            | 50      | 0         | 19.70   | 17.89   | 18.09   | 18.59   |

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel      | Channel      | Channel      |
|-----------|------------|---------|-----------|---------|--------------|--------------|--------------|
|           |            |         |           | Max.    | 20825CH      | 21100CH      | 21375CH      |
| 15MHz     | QPSK       | 1       | 0         | 22.20   | 20.65        | 20.56        | 20.94        |
|           |            | 1       | 38        | 22.20   | 20.57        | 20.51        | 20.97        |
|           |            | 1       | 74        | 22.20   | 20.56        | 20.52        | 20.93        |
|           |            | 36      | 0         | 21.70   | 20.08        | 20.09        | 20.60        |
|           |            | 36      | 18        | 21.70   | 20.07        | 20.09        | 20.58        |
|           |            | 36      | 39        | 21.70   | 20.07        | 20.06        | 20.56        |
|           |            | 75      | 0         | 21.70   | 20.02        | 20.02        | 20.38        |
|           | 16QAM      | 1       | 0         | 21.70   | 20.19        | 20.02        | 20.45        |
|           |            | 1       | 38        | 21.70   | 20.18        | 20.08        | 20.58        |
|           |            | 1       | 74        | 21.70   | 20.17        | 20.15        | 20.57        |
|           |            | 36      | 0         | 20.70   | 19.05        | 19.13        | 19.38        |
|           |            | 36      | 18        | 20.70   | 19.03        | 19.14        | 19.49        |
|           |            | 36      | 39        | 20.70   | 19.03        | 19.18        | 19.52        |
|           |            | 75      | 0         | 20.70   | 18.79        | 19.01        | 19.32        |
|           | 64QAM      | 1       | 0         | 20.70   | 19.18        | 19.21        | 19.76        |
|           |            | 1       | 38        | 20.70   | 19.22        | 19.04        | 19.70        |
|           |            | 1       | 74        | 20.70   | 19.39        | 19.32        | 19.73        |
|           |            | 36      | 0         | 19.70   | 18.11        | 18.07        | 18.46        |
|           |            | 36      | 18        | 19.70   | 18.16        | 18.19        | 18.45        |
|           |            | 36      | 39        | 19.70   | 18.12        | 18.10        | 18.45        |
|           |            | 75      | 0         | 19.70   | 17.95        | 18.06        | 18.38        |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel      | Channel      | Channel      |
|           |            |         |           | Max.    | 20850CH      | 21100CH      | 21350CH      |
| 20MHz     | QPSK       | 1       | 0         | 22.20   | <b>20.77</b> | 20.68        | 21.08        |
|           |            | 1       | 50        | 22.20   | 20.68        | 20.68        | <b>21.09</b> |
|           |            | 1       | 99        | 22.20   | 20.75        | <b>20.75</b> | 21.04        |
|           |            | 50      | 0         | 21.70   | 20.05        | 20.16        | <b>20.60</b> |
|           |            | 50      | 25        | 21.70   | 20.06        | 20.16        | 20.54        |
|           |            | 50      | 50        | 21.70   | 20.00        | 20.15        | 20.53        |
|           |            | 100     | 0         | 21.70   | 20.04        | 20.13        | 20.45        |
|           | 16QAM      | 1       | 0         | 21.70   | 20.33        | 20.47        | 20.76        |
|           |            | 1       | 50        | 21.70   | 20.44        | 20.48        | 20.77        |
|           |            | 1       | 99        | 21.70   | 20.28        | 20.48        | 20.76        |
|           |            | 50      | 0         | 20.70   | 18.94        | 19.01        | 19.25        |
|           |            | 50      | 25        | 20.70   | 19.04        | 19.01        | 19.35        |
|           |            | 50      | 50        | 20.70   | 19.05        | 19.05        | 19.32        |
|           |            | 100     | 0         | 20.70   | 18.77        | 19.11        | 19.38        |
|           | 64QAM      | 1       | 0         | 20.70   | 19.27        | 19.26        | 19.80        |
|           |            | 1       | 50        | 20.70   | 19.45        | 19.54        | 19.91        |
|           |            | 1       | 99        | 20.70   | 19.48        | 19.54        | 19.80        |
|           |            | 50      | 0         | 19.70   | 18.09        | 18.21        | 18.31        |
|           |            | 50      | 25        | 19.70   | 18.11        | 18.21        | 18.34        |
|           |            | 50      | 50        | 19.70   | 18.12        | 18.19        | 18.34        |
|           |            | 100     | 0         | 19.70   | 17.90        | 18.12        | 18.48        |

Table 61: Test results conducted power measurement of LTE Band 7 (Full Power)

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | Max.    | 20775CH | 21100CH | 21425CH |
| 5MHz      | QPSK       | 1       | 0         | 16.70   | 16.21   | 15.97   | 16.39   |
|           |            | 1       | 13        | 16.70   | 16.17   | 15.98   | 16.39   |
|           |            | 1       | 24        | 16.70   | 16.08   | 15.96   | 16.35   |
|           |            | 12      | 0         | 16.70   | 16.37   | 16.04   | 16.52   |
|           |            | 12      | 6         | 16.70   | 16.33   | 16.03   | 16.51   |
|           |            | 12      | 13        | 16.70   | 16.33   | 16.02   | 16.50   |
|           |            | 25      | 0         | 16.70   | 16.31   | 16.19   | 16.50   |
|           | 16QAM      | 1       | 0         | 16.70   | 15.59   | 15.51   | 15.80   |
|           |            | 1       | 13        | 16.70   | 15.26   | 15.45   | 15.79   |
|           |            | 1       | 24        | 16.70   | 15.55   | 15.33   | 15.69   |
|           |            | 12      | 0         | 16.70   | 16.06   | 15.27   | 15.53   |
|           |            | 12      | 6         | 16.70   | 15.43   | 15.21   | 15.53   |
|           |            | 12      | 13        | 16.70   | 15.43   | 15.21   | 15.55   |
|           |            | 25      | 0         | 16.70   | 16.16   | 15.41   | 15.67   |
|           | 64QAM      | 1       | 0         | 16.70   | 15.29   | 15.29   | 15.70   |
|           |            | 1       | 13        | 16.70   | 15.51   | 15.48   | 15.61   |
|           |            | 1       | 24        | 16.70   | 15.41   | 15.30   | 15.46   |
|           |            | 12      | 0         | 16.70   | 15.03   | 15.29   | 15.53   |
|           |            | 12      | 6         | 16.70   | 15.18   | 15.17   | 15.45   |
|           |            | 12      | 13        | 16.70   | 15.14   | 15.19   | 15.54   |
|           |            | 25      | 0         | 16.70   | 15.17   | 15.16   | 15.55   |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|           |            |         |           | Max.    | 20800CH | 21100CH | 21400CH |
| 10MHz     | QPSK       | 1       | 0         | 16.70   | 15.13   | 15.16   | 15.59   |
|           |            | 1       | 25        | 16.70   | 15.08   | 15.19   | 15.60   |
|           |            | 1       | 49        | 16.70   | 15.12   | 15.13   | 15.59   |
|           |            | 25      | 0         | 16.70   | 15.14   | 15.03   | 15.61   |
|           |            | 25      | 13        | 16.70   | 15.14   | 15.21   | 15.57   |
|           |            | 25      | 25        | 16.70   | 15.20   | 15.04   | 15.58   |
|           |            | 50      | 0         | 16.70   | 15.20   | 15.06   | 15.58   |
|           | 16QAM      | 1       | 0         | 16.70   | 15.37   | 15.27   | 15.52   |
|           |            | 1       | 25        | 16.70   | 15.34   | 15.23   | 15.51   |
|           |            | 1       | 49        | 16.70   | 15.31   | 15.30   | 15.53   |
|           |            | 25      | 0         | 16.70   | 15.07   | 15.22   | 15.58   |
|           |            | 25      | 13        | 16.70   | 15.08   | 15.22   | 15.57   |
|           |            | 25      | 25        | 16.70   | 15.07   | 15.14   | 15.56   |
|           |            | 50      | 0         | 16.70   | 14.86   | 15.23   | 15.43   |
|           | 64QAM      | 1       | 0         | 16.70   | 15.40   | 15.39   | 15.96   |
|           |            | 1       | 25        | 16.70   | 15.52   | 15.21   | 15.86   |
|           |            | 1       | 49        | 16.70   | 15.31   | 15.28   | 15.64   |
|           |            | 25      | 0         | 16.70   | 15.01   | 15.23   | 15.63   |
|           |            | 25      | 13        | 16.70   | 15.02   | 15.20   | 15.67   |
|           |            | 25      | 25        | 16.70   | 14.96   | 15.17   | 15.60   |
|           |            | 50      | 0         | 16.70   | 14.89   | 15.17   | 15.68   |

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel      | Channel      | Channel      |
|-----------|------------|---------|-----------|---------|--------------|--------------|--------------|
|           |            |         |           | Max.    | 20825CH      | 21100CH      | 21375CH      |
| 15MHz     | QPSK       | 1       | 0         | 16.70   | 15.13        | 15.23        | 15.57        |
|           |            | 1       | 38        | 16.70   | 15.24        | 15.26        | 15.51        |
|           |            | 1       | 74        | 16.70   | 15.08        | 15.23        | 15.51        |
|           |            | 36      | 0         | 16.70   | 15.22        | 15.24        | 15.73        |
|           |            | 36      | 18        | 16.70   | 15.20        | 15.22        | 15.71        |
|           |            | 36      | 39        | 16.70   | 15.19        | 15.23        | 15.48        |
|           |            | 75      | 0         | 16.70   | 15.21        | 15.19        | 15.45        |
|           | 16QAM      | 1       | 0         | 16.70   | 15.42        | 15.43        | 15.57        |
|           |            | 1       | 38        | 16.70   | 15.21        | 15.40        | 15.63        |
|           |            | 1       | 74        | 16.70   | 15.57        | 15.30        | 15.64        |
|           |            | 36      | 0         | 16.70   | 15.07        | 15.24        | 15.59        |
|           |            | 36      | 18        | 16.70   | 15.09        | 15.24        | 15.53        |
|           |            | 36      | 39        | 16.70   | 15.06        | 15.23        | 15.59        |
|           |            | 75      | 0         | 16.70   | 14.83        | 15.00        | 15.37        |
|           | 64QAM      | 1       | 0         | 16.70   | 15.36        | 15.34        | 15.71        |
|           |            | 1       | 38        | 16.70   | 15.46        | 15.38        | 15.45        |
|           |            | 1       | 74        | 16.70   | 15.30        | 15.32        | 15.57        |
|           |            | 36      | 0         | 16.70   | 15.14        | 15.08        | 15.65        |
|           |            | 36      | 18        | 16.70   | 15.15        | 15.21        | 15.64        |
|           |            | 36      | 39        | 16.70   | 15.05        | 15.08        | 15.64        |
|           |            | 75      | 0         | 16.70   | 14.96        | 15.03        | 15.48        |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel      | Channel      | Channel      |
|           |            |         |           | Max.    | 20850CH      | 21100CH      | 21350CH      |
| 20MHz     | QPSK       | 1       | 0         | 16.70   | 15.30        | 15.40        | 15.73        |
|           |            | 1       | 50        | 16.70   | 15.26        | 15.44        | <b>15.74</b> |
|           |            | 1       | 99        | 16.70   | 15.23        | 15.40        | 15.70        |
|           |            | 50      | 0         | 16.70   | 15.20        | 15.06        | 15.52        |
|           |            | 50      | 25        | 16.70   | <b>15.21</b> | 15.04        | <b>15.55</b> |
|           |            | 50      | 50        | 16.70   | 15.15        | <b>15.09</b> | 15.53        |
|           |            | 100     | 0         | 16.70   | 15.01        | 15.31        | <b>15.40</b> |
|           | 16QAM      | 1       | 0         | 16.70   | 15.64        | 15.60        | 15.99        |
|           |            | 1       | 50        | 16.70   | 15.51        | 15.63        | 15.84        |
|           |            | 1       | 99        | 16.70   | 15.43        | 15.63        | 15.94        |
|           |            | 50      | 0         | 16.70   | 15.08        | 15.16        | 15.39        |
|           |            | 50      | 25        | 16.70   | 15.08        | 15.21        | 15.40        |
|           |            | 50      | 50        | 16.70   | 15.14        | 15.19        | 15.37        |
|           |            | 100     | 0         | 16.70   | 14.84        | 15.17        | 15.51        |
|           | 64QAM      | 1       | 0         | 16.70   | 15.48        | 15.63        | 15.82        |
|           |            | 1       | 50        | 16.70   | 15.71        | 15.47        | 15.88        |
|           |            | 1       | 99        | 16.70   | 15.55        | 15.51        | 15.98        |
|           |            | 50      | 0         | 16.70   | 15.16        | 15.28        | 15.38        |
|           |            | 50      | 25        | 16.70   | 15.18        | 15.21        | 15.44        |
|           |            | 50      | 50        | 16.70   | 15.17        | 15.25        | 15.40        |
|           |            | 100     | 0         | 16.70   | 14.96        | 15.24        | 15.56        |

Table 62: Test results conducted power measurement of LTE Band 7 (Reduced Power Level D1)

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | Max.    | 20775CH | 21100CH | 21425CH |
| 5MHz      | QPSK       | 1       | 0         | 18.20   | 17.57   | 17.56   | 17.83   |
|           |            | 1       | 13        | 18.20   | 17.52   | 17.55   | 17.83   |
|           |            | 1       | 24        | 18.20   | 17.65   | 17.51   | 17.81   |
|           |            | 12      | 0         | 18.20   | 17.57   | 17.46   | 17.78   |
|           |            | 12      | 6         | 18.20   | 17.74   | 17.51   | 17.77   |
|           |            | 12      | 13        | 18.20   | 17.81   | 17.43   | 17.77   |
|           |            | 25      | 0         | 18.20   | 17.58   | 17.47   | 17.84   |
|           | 16QAM      | 1       | 0         | 18.20   | 17.80   | 17.73   | 17.86   |
|           |            | 1       | 13        | 18.20   | 17.71   | 17.80   | 17.92   |
|           |            | 1       | 24        | 18.20   | 17.77   | 17.65   | 17.88   |
|           |            | 12      | 0         | 18.20   | 17.53   | 17.46   | 17.71   |
|           |            | 12      | 6         | 18.20   | 17.55   | 17.44   | 17.71   |
|           |            | 12      | 13        | 18.20   | 17.49   | 17.33   | 17.88   |
|           |            | 25      | 0         | 18.20   | 17.49   | 17.39   | 17.84   |
|           | 64QAM      | 1       | 0         | 18.20   | 17.51   | 17.50   | 17.83   |
|           |            | 1       | 13        | 18.20   | 17.52   | 17.38   | 17.91   |
|           |            | 1       | 24        | 18.20   | 17.54   | 17.47   | 17.89   |
|           |            | 12      | 0         | 18.20   | 17.46   | 17.39   | 17.90   |
|           |            | 12      | 6         | 18.20   | 17.45   | 17.44   | 17.85   |
|           |            | 12      | 13        | 18.20   | 17.46   | 17.34   | 17.84   |
|           |            | 25      | 0         | 18.20   | 17.60   | 17.31   | 17.76   |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|           |            |         |           | Max.    | 20800CH | 21100CH | 21400CH |
| 10MHz     | QPSK       | 1       | 0         | 18.20   | 17.77   | 17.49   | 17.93   |
|           |            | 1       | 25        | 18.20   | 17.69   | 17.61   | 17.93   |
|           |            | 1       | 49        | 18.20   | 17.66   | 17.61   | 17.91   |
|           |            | 25      | 0         | 18.20   | 17.66   | 17.57   | 17.93   |
|           |            | 25      | 13        | 18.20   | 17.61   | 17.57   | 17.88   |
|           |            | 25      | 25        | 18.20   | 17.61   | 17.53   | 17.93   |
|           |            | 50      | 0         | 18.20   | 17.59   | 17.53   | 17.97   |
|           | 16QAM      | 1       | 0         | 18.20   | 17.82   | 17.73   | 17.98   |
|           |            | 1       | 25        | 18.20   | 17.70   | 17.83   | 18.01   |
|           |            | 1       | 49        | 18.20   | 17.63   | 17.60   | 18.00   |
|           |            | 25      | 0         | 18.20   | 17.66   | 17.39   | 17.82   |
|           |            | 25      | 13        | 18.20   | 17.64   | 17.45   | 17.84   |
|           |            | 25      | 25        | 18.20   | 17.55   | 17.45   | 17.83   |
|           |            | 50      | 0         | 18.20   | 17.41   | 17.44   | 17.99   |
|           | 64QAM      | 1       | 0         | 18.20   | 17.86   | 17.50   | 18.00   |
|           |            | 1       | 25        | 18.20   | 17.82   | 17.65   | 17.92   |
|           |            | 1       | 49        | 18.20   | 17.81   | 17.74   | 17.87   |
|           |            | 25      | 0         | 18.20   | 17.46   | 17.48   | 17.94   |
|           |            | 25      | 13        | 18.20   | 17.53   | 17.44   | 17.95   |
|           |            | 25      | 25        | 18.20   | 17.72   | 17.46   | 17.96   |
|           |            | 50      | 0         | 18.20   | 17.48   | 17.46   | 17.97   |

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel      | Channel      | Channel      |
|-----------|------------|---------|-----------|---------|--------------|--------------|--------------|
|           |            |         |           | Max.    | 20825CH      | 21100CH      | 21375CH      |
| 15MHz     | QPSK       | 1       | 0         | 18.20   | 17.75        | 17.64        | 17.97        |
|           |            | 1       | 38        | 18.20   | 17.75        | 17.63        | 17.98        |
|           |            | 1       | 74        | 18.20   | 17.76        | 17.62        | 17.99        |
|           |            | 36      | 0         | 18.20   | 17.59        | 17.55        | 17.98        |
|           |            | 36      | 18        | 18.20   | 17.59        | 17.55        | 17.95        |
|           |            | 36      | 39        | 18.20   | 17.58        | 17.55        | 17.96        |
|           |            | 75      | 0         | 18.20   | 17.57        | 17.52        | 17.93        |
|           | 16QAM      | 1       | 0         | 18.20   | 17.83        | 17.50        | 17.95        |
|           |            | 1       | 38        | 18.20   | 17.80        | 17.72        | 17.97        |
|           |            | 1       | 74        | 18.20   | 17.74        | 17.60        | 17.95        |
|           |            | 36      | 0         | 18.20   | 17.59        | 17.51        | 17.98        |
|           |            | 36      | 18        | 18.20   | 17.56        | 17.51        | 18.00        |
|           |            | 36      | 39        | 18.20   | 17.53        | 17.50        | 17.99        |
|           |            | 75      | 0         | 18.20   | 17.44        | 17.49        | 17.98        |
|           | 64QAM      | 1       | 0         | 18.20   | 17.74        | 17.56        | 18.01        |
|           |            | 1       | 38        | 18.20   | 17.72        | 17.49        | 17.73        |
|           |            | 1       | 74        | 18.20   | 17.71        | 17.50        | 17.97        |
|           |            | 36      | 0         | 18.20   | 17.71        | 17.48        | 17.97        |
|           |            | 36      | 18        | 18.20   | 17.72        | 17.48        | 17.97        |
|           |            | 36      | 39        | 18.20   | 17.69        | 17.46        | 17.93        |
|           |            | 75      | 0         | 18.20   | 17.49        | 17.52        | 17.96        |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel      | Channel      | Channel      |
|           |            |         |           | Max.    | 20850CH      | 21100CH      | 21350CH      |
| 20MHz     | QPSK       | 1       | 0         | 18.20   | 17.95        | <b>17.87</b> | 17.93        |
|           |            | 1       | 50        | 18.20   | <b>17.97</b> | 17.86        | <b>17.98</b> |
|           |            | 1       | 99        | 18.20   | 17.96        | 17.86        | 17.97        |
|           |            | 50      | 0         | 18.20   | 17.64        | 17.58        | 17.98        |
|           |            | 50      | 25        | 18.20   | 17.65        | 17.58        | <b>17.99</b> |
|           |            | 50      | 50        | 18.20   | 17.64        | 17.58        | 17.96        |
|           |            | 100     | 0         | 18.20   | 17.54        | 17.58        | 17.98        |
|           | 16QAM      | 1       | 0         | 18.20   | 17.93        | 17.92        | 17.94        |
|           |            | 1       | 50        | 18.20   | 18.01        | 17.85        | 17.97        |
|           |            | 1       | 99        | 18.20   | 17.97        | 17.80        | 18.00        |
|           |            | 50      | 0         | 18.20   | 17.51        | 17.47        | 18.00        |
|           |            | 50      | 25        | 18.20   | 17.52        | 17.49        | 17.93        |
|           |            | 50      | 50        | 18.20   | 17.56        | 17.53        | 17.92        |
|           |            | 100     | 0         | 18.20   | 17.45        | 17.52        | 17.91        |
|           | 64QAM      | 1       | 0         | 18.20   | 17.94        | 17.83        | 17.96        |
|           |            | 1       | 50        | 18.20   | 17.82        | 17.82        | 17.95        |
|           |            | 1       | 99        | 18.20   | 17.84        | 17.82        | 17.95        |
|           |            | 50      | 0         | 18.20   | 17.75        | 17.49        | 17.92        |
|           |            | 50      | 25        | 18.20   | 17.70        | 17.49        | 17.95        |
|           |            | 50      | 50        | 18.20   | 17.53        | 17.46        | 17.98        |
|           |            | 100     | 0         | 18.20   | 17.53        | 17.49        | 17.95        |

Table 63: Test results conducted power measurement of LTE Band 7 (Reduced Power Level D2)



| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | Max.    | 20775CH | 21100CH | 21425CH |
| 5MHz      | QPSK       | 1       | 0         | 12.70   | 12.22   | 12.16   | 12.49   |
|           |            | 1       | 13        | 12.70   | 12.22   | 12.22   | 12.53   |
|           |            | 1       | 24        | 12.70   | 12.25   | 12.25   | 12.51   |
|           |            | 12      | 0         | 12.70   | 12.41   | 12.12   | 12.51   |
|           |            | 12      | 6         | 12.70   | 12.46   | 12.10   | 12.24   |
|           |            | 12      | 13        | 12.70   | 12.46   | 12.18   | 12.50   |
|           |            | 25      | 0         | 12.70   | 12.24   | 12.15   | 12.43   |
|           | 16QAM      | 1       | 0         | 12.70   | 12.33   | 12.25   | 12.31   |
|           |            | 1       | 13        | 12.70   | 12.40   | 12.34   | 12.47   |
|           |            | 1       | 24        | 12.70   | 12.34   | 12.37   | 12.59   |
|           |            | 12      | 0         | 12.70   | 12.13   | 12.06   | 12.41   |
|           |            | 12      | 6         | 12.70   | 12.15   | 12.08   | 12.36   |
|           |            | 12      | 13        | 12.70   | 12.18   | 12.12   | 12.57   |
|           |            | 25      | 0         | 12.70   | 12.12   | 12.06   | 12.57   |
|           | 64QAM      | 1       | 0         | 12.70   | 12.24   | 12.28   | 12.56   |
|           |            | 1       | 13        | 12.70   | 12.16   | 12.13   | 12.47   |
|           |            | 1       | 24        | 12.70   | 12.22   | 12.38   | 12.49   |
|           |            | 12      | 0         | 12.70   | 12.12   | 12.16   | 12.36   |
|           |            | 12      | 6         | 12.70   | 12.12   | 12.29   | 12.44   |
|           |            | 12      | 13        | 12.70   | 12.14   | 12.19   | 12.41   |
|           |            | 25      | 0         | 12.70   | 12.26   | 12.01   | 12.55   |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|           |            |         |           | Max.    | 20800CH | 21100CH | 21400CH |
| 10MHz     | QPSK       | 1       | 0         | 12.70   | 12.31   | 12.04   | 12.48   |
|           |            | 1       | 25        | 12.70   | 12.23   | 12.16   | 12.44   |
|           |            | 1       | 49        | 12.70   | 12.17   | 12.15   | 12.42   |
|           |            | 25      | 0         | 12.70   | 12.17   | 12.16   | 12.48   |
|           |            | 25      | 13        | 12.70   | 12.18   | 12.15   | 12.50   |
|           |            | 25      | 25        | 12.70   | 12.16   | 12.14   | 12.47   |
|           |            | 50      | 0         | 12.70   | 12.09   | 12.06   | 12.48   |
|           | 16QAM      | 1       | 0         | 12.70   | 12.38   | 12.35   | 12.59   |
|           |            | 1       | 25        | 12.70   | 12.46   | 12.18   | 12.48   |
|           |            | 1       | 49        | 12.70   | 12.50   | 12.16   | 12.55   |
|           |            | 25      | 0         | 12.70   | 12.08   | 12.09   | 12.45   |
|           |            | 25      | 13        | 12.70   | 12.08   | 12.07   | 12.58   |
|           |            | 25      | 25        | 12.70   | 12.07   | 12.07   | 12.56   |
|           |            | 50      | 0         | 12.70   | 12.02   | 12.05   | 12.39   |
|           | 64QAM      | 1       | 0         | 12.70   | 12.29   | 12.19   | 12.52   |
|           |            | 1       | 25        | 12.70   | 12.32   | 12.27   | 12.49   |
|           |            | 1       | 49        | 12.70   | 12.14   | 12.00   | 12.48   |
|           |            | 25      | 0         | 12.70   | 12.03   | 12.03   | 12.40   |
|           |            | 25      | 13        | 12.70   | 12.04   | 12.05   | 12.41   |
|           |            | 25      | 25        | 12.70   | 12.32   | 12.01   | 12.37   |
|           |            | 50      | 0         | 12.70   | 12.06   | 11.97   | 12.43   |

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | Max.    | 20825CH | 21100CH | 21375CH |
| 15MHz     | QPSK       | 1       | 0         | 12.70   | 12.23   | 12.12   | 12.56   |
|           |            | 1       | 38        | 12.70   | 12.22   | 12.08   | 12.58   |
|           |            | 1       | 74        | 12.70   | 12.22   | 12.07   | 12.57   |
|           |            | 36      | 0         | 12.70   | 12.19   | 12.11   | 12.25   |
|           |            | 36      | 18        | 12.70   | 12.23   | 12.13   | 12.36   |
|           |            | 36      | 39        | 12.70   | 12.18   | 12.14   | 12.47   |
|           |            | 75      | 0         | 12.70   | 12.13   | 12.13   | 12.51   |
|           | 16QAM      | 1       | 0         | 12.70   | 12.34   | 12.14   | 12.59   |
|           |            | 1       | 38        | 12.70   | 12.39   | 12.30   | 12.48   |
|           |            | 1       | 74        | 12.70   | 12.26   | 12.24   | 12.53   |
|           |            | 36      | 0         | 12.70   | 12.14   | 12.06   | 12.57   |
|           |            | 36      | 18        | 12.70   | 12.14   | 12.05   | 12.56   |
|           |            | 36      | 39        | 12.70   | 12.12   | 12.05   | 12.56   |
|           |            | 75      | 0         | 12.70   | 12.00   | 12.08   | 12.41   |
|           | 64QAM      | 1       | 0         | 12.70   | 12.35   | 12.02   | 12.50   |
|           |            | 1       | 38        | 12.70   | 12.25   | 12.13   | 12.51   |
|           |            | 1       | 74        | 12.70   | 12.25   | 12.13   | 12.37   |
|           |            | 36      | 0         | 12.70   | 12.16   | 12.27   | 12.32   |
|           |            | 36      | 18        | 12.70   | 12.15   | 12.07   | 12.33   |
|           |            | 36      | 39        | 12.70   | 12.15   | 12.05   | 12.50   |
|           |            | 75      | 0         | 12.70   | 11.98   | 12.09   | 12.42   |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|           |            |         |           | Max.    | 20850CH | 21100CH | 21350CH |
| 20MHz     | QPSK       | 1       | 0         | 12.70   | 12.35   | 12.46   | 12.47   |
|           |            | 1       | 50        | 12.70   | 12.37   | 12.45   | 12.48   |
|           |            | 1       | 99        | 12.70   | 12.38   | 12.45   | 12.41   |
|           |            | 50      | 0         | 12.70   | 12.17   | 12.15   | 12.47   |
|           |            | 50      | 25        | 12.70   | 12.19   | 12.14   | 12.46   |
|           |            | 50      | 50        | 12.70   | 12.16   | 12.16   | 12.42   |
|           |            | 100     | 0         | 12.70   | 12.05   | 12.15   | 12.47   |
|           | 16QAM      | 1       | 0         | 12.70   | 12.44   | 12.47   | 12.46   |
|           |            | 1       | 50        | 12.70   | 12.49   | 12.41   | 12.47   |
|           |            | 1       | 99        | 12.70   | 12.46   | 12.40   | 12.48   |
|           |            | 50      | 0         | 12.70   | 12.11   | 12.12   | 12.48   |
|           |            | 50      | 25        | 12.70   | 12.13   | 12.07   | 12.46   |
|           |            | 50      | 50        | 12.70   | 12.10   | 12.06   | 12.47   |
|           |            | 100     | 0         | 12.70   | 12.01   | 12.06   | 12.44   |
|           | 64QAM      | 1       | 0         | 12.70   | 12.47   | 12.46   | 12.47   |
|           |            | 1       | 50        | 12.70   | 12.49   | 12.36   | 12.46   |
|           |            | 1       | 99        | 12.70   | 12.42   | 12.43   | 12.49   |
|           |            | 50      | 0         | 12.70   | 12.28   | 11.98   | 12.41   |
|           |            | 50      | 25        | 12.70   | 12.26   | 11.99   | 12.46   |
|           |            | 50      | 50        | 12.70   | 12.10   | 11.99   | 12.46   |
|           |            | 100     | 0         | 12.70   | 11.99   | 12.26   | 12.46   |

Table 64: Test results conducted power measurement of LTE Band 7 (Reduced Power Level D3)

Note: The Conducted power measurements of LTE Band 7 is measured with RMS detector.

### 7.1.18 Conducted power measurements of LTE Band 7(Main antenna)

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | Max.    | 20775CH | 21100CH | 21425CH |
| 5MHz      | QPSK       | 1       | 0         | 24.20   | 23.27   | 23.10   | 23.12   |
|           |            | 1       | 13        | 24.20   | 23.25   | 23.02   | 23.16   |
|           |            | 1       | 24        | 24.20   | 23.22   | 23.06   | 23.24   |
|           |            | 12      | 0         | 23.20   | 22.41   | 22.17   | 22.36   |
|           |            | 12      | 6         | 23.20   | 22.39   | 22.17   | 22.25   |
|           |            | 12      | 13        | 23.20   | 22.38   | 22.17   | 22.35   |
|           |            | 25      | 0         | 23.20   | 22.52   | 22.06   | 22.29   |
|           | 16QAM      | 1       | 0         | 23.20   | 22.41   | 22.35   | 22.61   |
|           |            | 1       | 13        | 23.20   | 22.41   | 22.27   | 22.69   |
|           |            | 1       | 24        | 23.20   | 22.34   | 22.35   | 22.54   |
|           |            | 12      | 0         | 22.20   | 21.32   | 21.13   | 21.33   |
|           |            | 12      | 6         | 22.20   | 21.32   | 21.14   | 21.43   |
|           |            | 12      | 13        | 22.20   | 21.34   | 21.14   | 21.25   |
|           |            | 25      | 0         | 22.20   | 21.08   | 20.97   | 21.32   |
|           | 64QAM      | 1       | 0         | 22.20   | 21.57   | 21.42   | 21.77   |
|           |            | 1       | 13        | 22.20   | 21.54   | 21.47   | 21.65   |
|           |            | 1       | 24        | 22.20   | 21.63   | 21.31   | 21.45   |
|           |            | 12      | 0         | 21.20   | 20.35   | 20.25   | 20.50   |
|           |            | 12      | 6         | 21.20   | 20.42   | 20.20   | 20.51   |
|           |            | 12      | 13        | 21.20   | 20.38   | 20.20   | 20.48   |
|           |            | 25      | 0         | 21.20   | 20.27   | 20.20   | 20.36   |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|           |            |         |           | Max.    | 20800CH | 21100CH | 21400CH |
| 10MHz     | QPSK       | 1       | 0         | 24.20   | 23.29   | 23.11   | 23.32   |
|           |            | 1       | 25        | 24.20   | 23.22   | 23.10   | 23.31   |
|           |            | 1       | 49        | 24.20   | 23.22   | 23.09   | 23.31   |
|           |            | 25      | 0         | 23.20   | 22.40   | 22.19   | 22.30   |
|           |            | 25      | 13        | 23.20   | 22.39   | 22.19   | 22.31   |
|           |            | 25      | 25        | 23.20   | 22.38   | 22.13   | 22.30   |
|           |            | 50      | 0         | 23.20   | 22.28   | 22.21   | 22.28   |
|           | 16QAM      | 1       | 0         | 23.20   | 22.45   | 22.12   | 22.26   |
|           |            | 1       | 25        | 23.20   | 22.34   | 22.17   | 22.26   |
|           |            | 1       | 49        | 23.20   | 22.30   | 22.09   | 22.35   |
|           |            | 25      | 0         | 22.20   | 21.28   | 21.13   | 21.28   |
|           |            | 25      | 13        | 22.20   | 21.31   | 21.11   | 21.30   |
|           |            | 25      | 25        | 22.20   | 21.33   | 21.15   | 21.29   |
|           |            | 50      | 0         | 22.20   | 20.95   | 20.97   | 21.38   |
|           | 64QAM      | 1       | 0         | 22.20   | 21.43   | 21.36   | 21.43   |
|           |            | 1       | 25        | 22.20   | 21.59   | 21.46   | 21.40   |
|           |            | 1       | 49        | 22.20   | 21.46   | 21.56   | 21.65   |
|           |            | 25      | 0         | 21.20   | 20.38   | 20.23   | 20.38   |
|           |            | 25      | 13        | 21.20   | 20.39   | 20.11   | 20.36   |
|           |            | 25      | 25        | 21.20   | 20.43   | 20.24   | 20.37   |
|           |            | 50      | 0         | 21.20   | 20.25   | 20.27   | 20.36   |

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel      | Channel      | Channel      |
|-----------|------------|---------|-----------|---------|--------------|--------------|--------------|
|           |            |         |           | Max.    | 20825CH      | 21100CH      | 21375CH      |
| 15MHz     | QPSK       | 1       | 0         | 24.20   | 23.28        | 23.11        | 23.40        |
|           |            | 1       | 38        | 24.20   | 23.25        | 23.09        | 23.12        |
|           |            | 1       | 74        | 24.20   | 23.27        | 23.07        | 23.12        |
|           |            | 36      | 0         | 23.20   | 22.41        | 22.14        | 22.41        |
|           |            | 36      | 18        | 23.20   | 22.40        | 22.14        | 22.41        |
|           |            | 36      | 39        | 23.20   | 22.39        | 22.20        | 22.30        |
|           |            | 75      | 0         | 23.20   | 22.33        | 22.26        | 22.27        |
|           | 16QAM      | 1       | 0         | 23.20   | 22.47        | 22.35        | 22.39        |
|           |            | 1       | 38        | 23.20   | 22.38        | 22.33        | 22.31        |
|           |            | 1       | 74        | 23.20   | 22.53        | 22.24        | 22.41        |
|           |            | 36      | 0         | 22.20   | 21.32        | 21.14        | 21.45        |
|           |            | 36      | 18        | 22.20   | 21.29        | 21.16        | 21.45        |
|           |            | 36      | 39        | 22.20   | 21.30        | 21.15        | 21.46        |
|           |            | 75      | 0         | 22.20   | 21.17        | 21.06        | 21.40        |
|           | 64QAM      | 1       | 0         | 22.20   | 21.62        | 21.45        | 21.64        |
|           |            | 1       | 38        | 22.20   | 21.64        | 21.33        | 21.47        |
|           |            | 1       | 74        | 22.20   | 21.47        | 21.41        | 21.34        |
|           |            | 36      | 0         | 21.20   | 20.44        | 20.25        | 20.46        |
|           |            | 36      | 18        | 21.20   | 20.34        | 20.20        | 20.43        |
|           |            | 36      | 39        | 21.20   | 20.39        | 20.16        | 20.45        |
|           |            | 75      | 0         | 21.20   | 20.31        | 20.16        | 20.34        |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel      | Channel      | Channel      |
|           |            |         |           | Max.    | 20850CH      | 21100CH      | 21350CH      |
| 20MHz     | QPSK       | 1       | 0         | 24.20   | <b>23.45</b> | <b>23.30</b> | <b>23.39</b> |
|           |            | 1       | 50        | 24.20   | 23.43        | 23.28        | 23.38        |
|           |            | 1       | 99        | 24.20   | 23.41        | 23.27        | 23.34        |
|           |            | 50      | 0         | 23.20   | <b>22.47</b> | 22.22        | 22.31        |
|           |            | 50      | 25        | 23.20   | 22.40        | 22.23        | 22.31        |
|           |            | 50      | 50        | 23.20   | 22.45        | 22.22        | 22.30        |
|           |            | 100     | 0         | 23.20   | 22.35        | 22.27        | 22.20        |
|           | 16QAM      | 1       | 0         | 23.20   | 22.59        | 22.53        | 22.51        |
|           |            | 1       | 50        | 23.20   | 22.69        | 22.51        | 22.63        |
|           |            | 1       | 99        | 23.20   | 22.66        | 22.37        | 22.53        |
|           |            | 50      | 0         | 22.20   | 21.33        | 21.23        | 21.34        |
|           |            | 50      | 25        | 22.20   | 21.34        | 21.24        | 21.36        |
|           |            | 50      | 50        | 22.20   | 21.34        | 21.16        | 21.35        |
|           |            | 100     | 0         | 22.20   | 21.18        | 21.09        | 21.26        |
|           | 64QAM      | 1       | 0         | 22.20   | 21.69        | 21.51        | 21.51        |
|           |            | 1       | 50        | 22.20   | 21.66        | 21.41        | 21.67        |
|           |            | 1       | 99        | 22.20   | 21.76        | 21.66        | 21.56        |
|           |            | 50      | 0         | 21.20   | 20.42        | 20.26        | 20.38        |
|           |            | 50      | 25        | 21.20   | 20.43        | 20.29        | 20.30        |
|           |            | 50      | 50        | 21.20   | 20.45        | 20.34        | 20.34        |
|           |            | 100     | 0         | 21.20   | 20.26        | 20.16        | 20.33        |

Table 65: Test results conducted power measurement of LTE Band 7 (Full Power)

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | Max.    | 20775CH | 21100CH | 21425CH |
| 5MHz      | QPSK       | 1       | 0         | 22.20   | 21.50   | 21.31   | 21.48   |
|           |            | 1       | 13        | 22.20   | 21.47   | 21.29   | 21.48   |
|           |            | 1       | 24        | 22.20   | 21.49   | 21.25   | 21.46   |
|           |            | 12      | 0         | 22.20   | 21.45   | 21.24   | 21.45   |
|           |            | 12      | 6         | 22.20   | 21.40   | 21.35   | 21.48   |
|           |            | 12      | 13        | 22.20   | 21.40   | 21.23   | 21.42   |
|           |            | 25      | 0         | 22.20   | 21.49   | 21.40   | 21.62   |
|           | 16QAM      | 1       | 0         | 22.20   | 21.57   | 21.42   | 21.51   |
|           |            | 1       | 13        | 22.20   | 21.53   | 21.50   | 21.61   |
|           |            | 1       | 24        | 22.20   | 21.44   | 21.53   | 21.63   |
|           |            | 12      | 0         | 22.20   | 21.35   | 21.20   | 21.46   |
|           |            | 12      | 6         | 22.20   | 21.42   | 21.12   | 21.53   |
|           |            | 12      | 13        | 22.20   | 21.41   | 21.20   | 21.37   |
|           |            | 25      | 0         | 22.20   | 21.28   | 21.08   | 21.49   |
|           | 64QAM      | 1       | 0         | 22.20   | 21.66   | 21.23   | 21.63   |
|           |            | 1       | 13        | 22.20   | 21.64   | 21.43   | 21.50   |
|           |            | 1       | 24        | 22.20   | 21.61   | 21.30   | 21.78   |
|           |            | 12      | 0         | 21.20   | 20.46   | 20.34   | 20.41   |
|           |            | 12      | 6         | 21.20   | 20.50   | 20.30   | 20.41   |
|           |            | 12      | 13        | 21.20   | 20.56   | 20.39   | 20.43   |
|           |            | 25      | 0         | 21.20   | 20.42   | 20.24   | 20.55   |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|           |            |         |           | Max.    | 20800CH | 21100CH | 21400CH |
| 10MHz     | QPSK       | 1       | 0         | 22.20   | 21.53   | 21.37   | 21.51   |
|           |            | 1       | 25        | 22.20   | 21.52   | 21.32   | 21.49   |
|           |            | 1       | 49        | 22.20   | 21.53   | 21.30   | 21.50   |
|           |            | 25      | 0         | 22.20   | 21.38   | 21.22   | 21.48   |
|           |            | 25      | 13        | 22.20   | 21.34   | 21.28   | 21.42   |
|           |            | 25      | 25        | 22.20   | 21.38   | 21.22   | 21.38   |
|           |            | 50      | 0         | 22.20   | 21.37   | 21.29   | 21.43   |
|           | 16QAM      | 1       | 0         | 22.20   | 21.49   | 21.45   | 21.55   |
|           |            | 1       | 25        | 22.20   | 21.49   | 21.41   | 21.38   |
|           |            | 1       | 49        | 22.20   | 21.59   | 21.28   | 21.51   |
|           |            | 25      | 0         | 22.20   | 21.32   | 21.14   | 21.35   |
|           |            | 25      | 13        | 22.20   | 21.31   | 21.15   | 21.48   |
|           |            | 25      | 25        | 22.20   | 21.30   | 21.14   | 21.36   |
|           |            | 50      | 0         | 22.20   | 21.24   | 21.08   | 21.37   |
|           | 64QAM      | 1       | 0         | 22.20   | 21.55   | 21.34   | 21.49   |
|           |            | 1       | 25        | 22.20   | 21.57   | 21.35   | 21.54   |
|           |            | 1       | 49        | 22.20   | 21.64   | 21.35   | 21.57   |
|           |            | 25      | 0         | 21.20   | 20.53   | 20.17   | 20.49   |
|           |            | 25      | 13        | 21.20   | 20.51   | 20.20   | 20.46   |
|           |            | 25      | 25        | 21.20   | 20.54   | 20.24   | 20.43   |
|           |            | 50      | 0         | 21.20   | 20.32   | 20.11   | 20.41   |

| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|-----------|------------|---------|-----------|---------|---------|---------|---------|
|           |            |         |           | Max.    | 20825CH | 21100CH | 21375CH |
| 15MHz     | QPSK       | 1       | 0         | 22.20   | 21.56   | 21.36   | 21.54   |
|           |            | 1       | 38        | 22.20   | 21.51   | 21.38   | 21.54   |
|           |            | 1       | 74        | 22.20   | 21.53   | 21.37   | 21.56   |
|           |            | 36      | 0         | 22.20   | 21.39   | 21.25   | 21.45   |
|           |            | 36      | 18        | 22.20   | 21.40   | 21.30   | 21.44   |
|           |            | 36      | 39        | 22.20   | 21.42   | 21.24   | 21.44   |
|           |            | 75      | 0         | 22.20   | 21.39   | 21.41   | 21.45   |
|           | 16QAM      | 1       | 0         | 22.20   | 21.44   | 21.32   | 21.48   |
|           |            | 1       | 38        | 22.20   | 21.46   | 21.50   | 21.41   |
|           |            | 1       | 74        | 22.20   | 21.45   | 21.49   | 21.45   |
|           |            | 36      | 0         | 22.20   | 21.40   | 21.19   | 21.35   |
|           |            | 36      | 18        | 22.20   | 21.31   | 21.17   | 21.38   |
|           |            | 36      | 39        | 22.20   | 21.35   | 21.19   | 21.46   |
|           |            | 75      | 0         | 22.20   | 21.23   | 21.04   | 21.34   |
|           | 64QAM      | 1       | 0         | 22.20   | 21.51   | 21.36   | 21.36   |
|           |            | 1       | 38        | 22.20   | 21.69   | 21.31   | 21.58   |
|           |            | 1       | 74        | 22.20   | 21.61   | 21.60   | 21.34   |
|           |            | 36      | 0         | 21.20   | 20.39   | 20.23   | 20.46   |
|           |            | 36      | 18        | 21.20   | 20.40   | 20.21   | 20.43   |
|           |            | 36      | 39        | 21.20   | 20.38   | 20.21   | 20.41   |
|           |            | 75      | 0         | 21.20   | 20.44   | 20.13   | 20.45   |
| Bandwidth | Modulation | RB size | RB offset | Tune-up | Channel | Channel | Channel |
|           |            |         |           | Max.    | 20850CH | 21100CH | 21350CH |
| 20MHz     | QPSK       | 1       | 0         | 22.20   | 21.69   | 21.46   | 21.58   |
|           |            | 1       | 50        | 22.20   | 21.66   | 21.48   | 21.58   |
|           |            | 1       | 99        | 22.20   | 21.67   | 21.46   | 21.57   |
|           |            | 50      | 0         | 22.20   | 21.43   | 21.34   | 21.47   |
|           |            | 50      | 25        | 22.20   | 21.43   | 21.45   | 21.43   |
|           |            | 50      | 50        | 22.20   | 21.42   | 21.33   | 21.40   |
|           |            | 100     | 0         | 22.20   | 21.35   | 21.43   | 21.41   |
|           | 16QAM      | 1       | 0         | 22.20   | 21.75   | 21.47   | 21.89   |
|           |            | 1       | 50        | 22.20   | 21.66   | 21.59   | 21.90   |
|           |            | 1       | 99        | 22.20   | 21.72   | 21.60   | 21.86   |
|           |            | 50      | 0         | 22.20   | 21.43   | 21.23   | 21.38   |
|           |            | 50      | 25        | 22.20   | 21.34   | 21.23   | 21.35   |
|           |            | 50      | 50        | 22.20   | 21.33   | 21.18   | 21.40   |
|           |            | 100     | 0         | 22.20   | 21.23   | 21.10   | 21.32   |
|           | 64QAM      | 1       | 0         | 22.20   | 21.76   | 21.55   | 21.67   |
|           |            | 1       | 50        | 22.20   | 21.70   | 21.41   | 21.77   |
|           |            | 1       | 99        | 22.20   | 21.72   | 21.51   | 21.56   |
|           |            | 50      | 0         | 21.20   | 20.57   | 20.28   | 20.40   |
|           |            | 50      | 25        | 21.20   | 20.39   | 20.25   | 20.38   |
|           |            | 50      | 50        | 21.20   | 20.40   | 20.25   | 20.41   |
|           |            | 100     | 0         | 21.20   | 20.36   | 20.21   | 20.30   |

Table 66: Test results conducted power measurement of LTE Band 7 (Reduced Power Level D1)