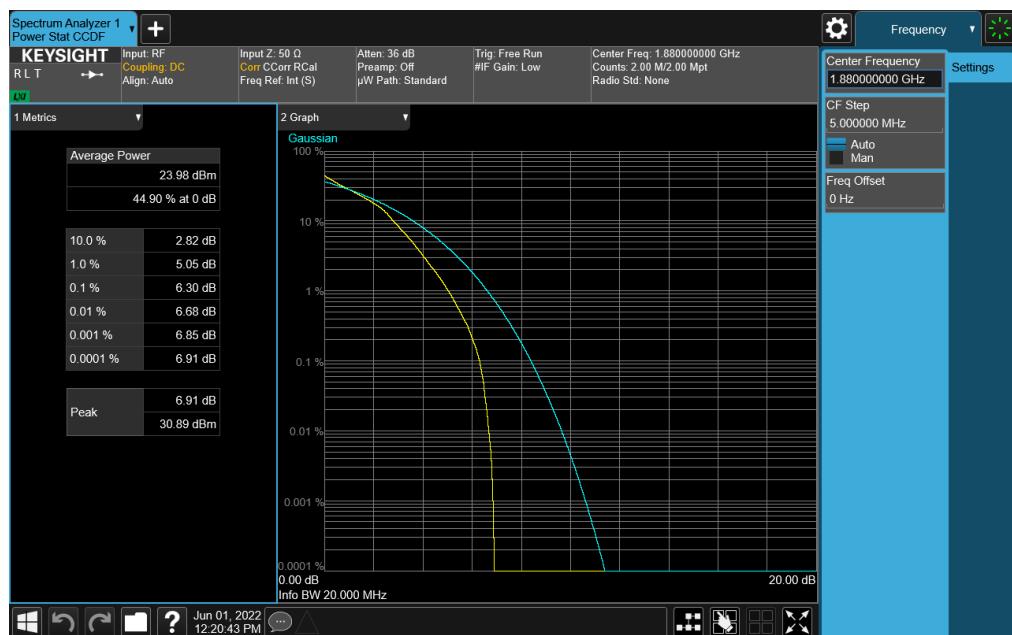
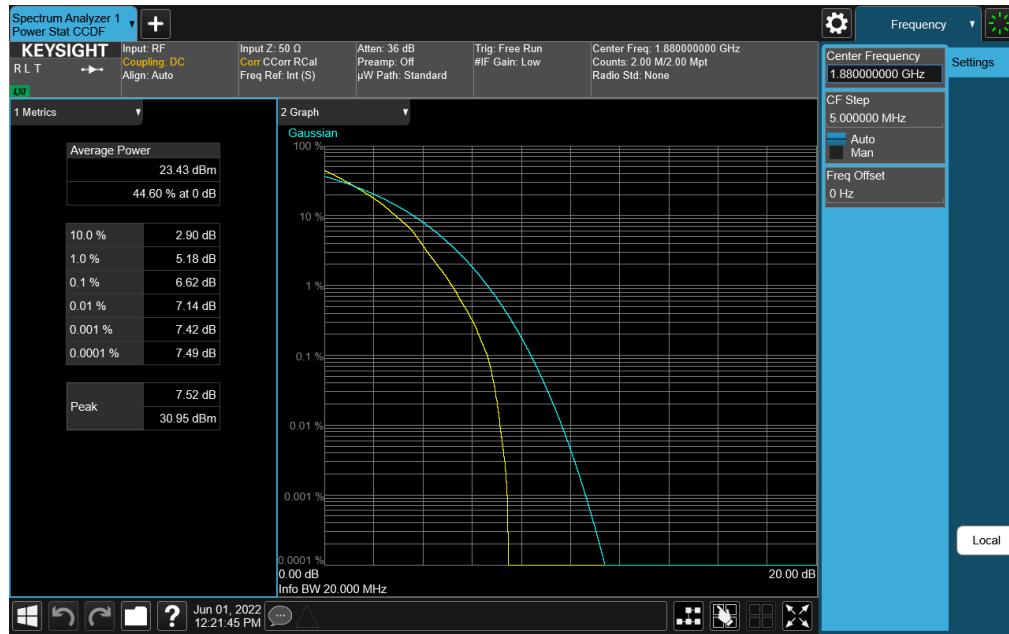


Plot 7-283. PAR Plot (NR Band n2 - 20MHz DFT-s-OFDM QPSK - Full RB)

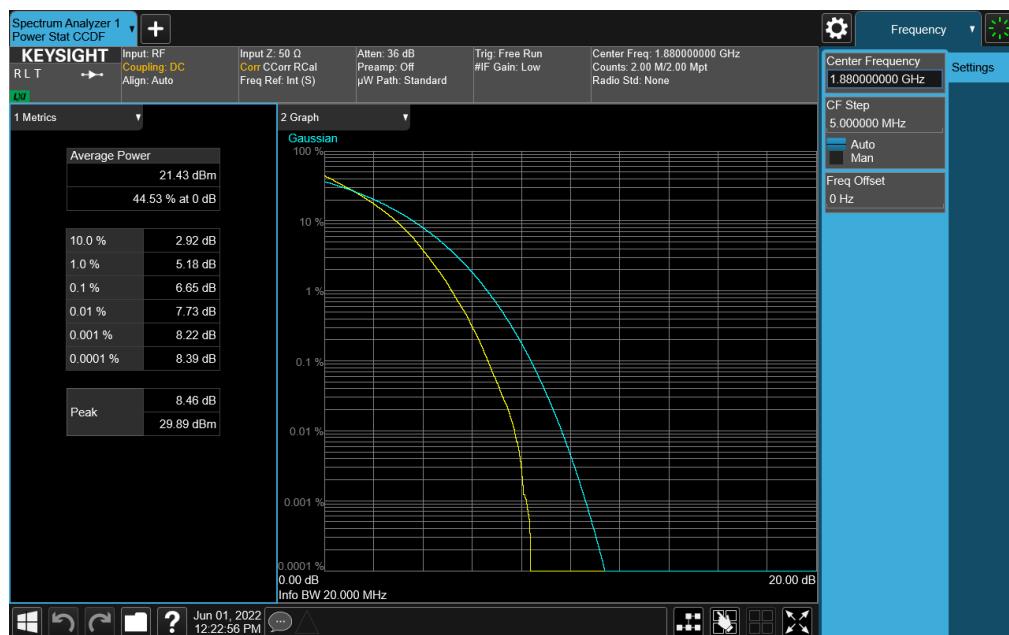


Plot 7-284. PAR Plot (NR Band n2 - 20MHz DFT-s-OFDM 16-QAM - Full RB)

| | | | | |
|--|---|----------------------------|--|-----------------------------------|
| FCC ID: BCGA2757 |  element | PART 24 MEASUREMENT REPORT | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090023-02-R1.BCG | Test Dates: 05/30/2022 - 08/29/2022 | EUT Type: Tablet Device | | Page 164 of 207 |



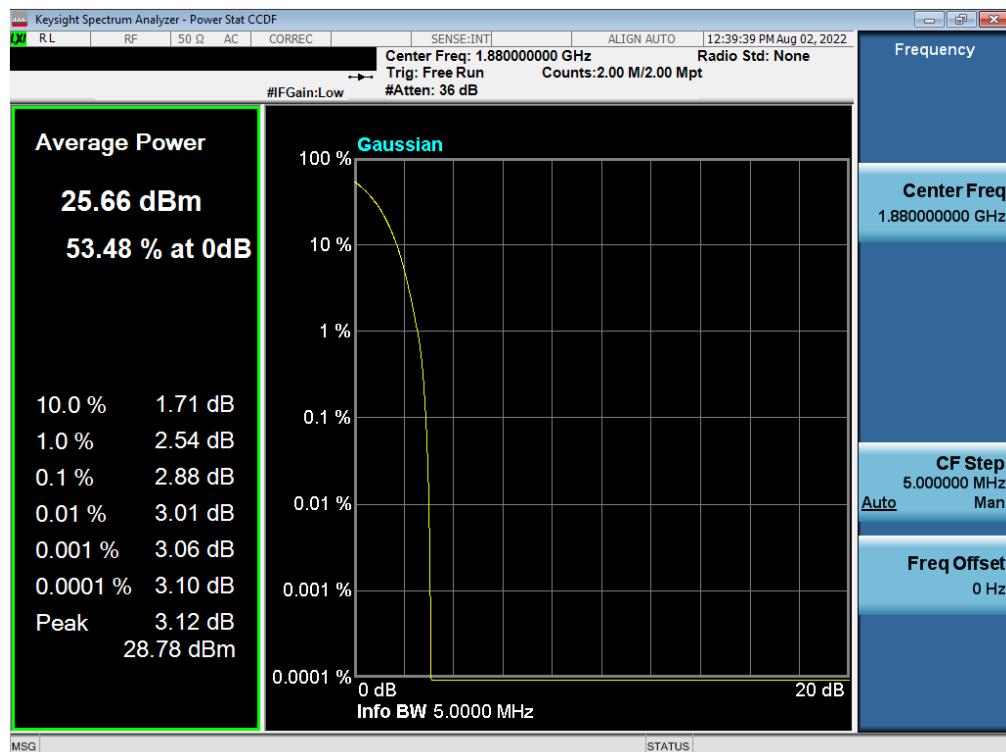
Plot 7-285. PAR Plot (NR Band n2 - 20MHz DFT-s-OFDM 64-QAM - Full RB)



Plot 7-286. PAR Plot (NR Band n2 - 20MHz DFT-s-OFDM 256-QAM - Full RB)

| | | | | |
|--|--|----------------------------|--|-----------------------------------|
| FCC ID: BCGA2757 | element | PART 24 MEASUREMENT REPORT | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090023-02-R1.BCG | Test Dates: 05/30/2022 - 08/29/2022 | EUT Type: Tablet Device | | Page 165 of 207 |

WCDMA PCS



Plot 7-287. PAR Plot (WCDMA, Ch. 9400)

| | | | | |
|--|---|----------------------------|-----------------|-----------------------------------|
| FCC ID: BCGA2757 |  element | PART 24 MEASUREMENT REPORT | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090023-02-R1.BCG | Test Dates: 05/30/2022 - 08/29/2022 | EUT Type: Tablet Device | Page 166 of 207 | |

7.6 Radiated Power (EIRP)

§24.232(c)

Test Overview

Equivalent Isotropic Radiated Power (EIRP) measurements are calculated by adding highest antenna gain to maximum measured conducted output power. All measurements are performed as RMS average measurements while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies.

Test Procedures Used

KDB 971168 D01 v03r01 – Section 5.2.1
ANSI C63.26-2015 – Section 5.2.5.5

Test Settings

The relevant equation for determining the EIRP from the conducted RF output power measured is:

$$\text{EIRP} = \text{PMes} - \text{LC} + \text{GT}$$

Where:

EIRP = Equivalent Isotropic Radiated Power (expressed in the same units as PMes, typically dBW or dBm)

PMes = measured transmitter output power or PSD, in dBW or dBm

LC = signal attenuation in the connecting cable between the transmitter and antenna in dB

GT = gain of the transmitting antenna, in dBi (EIRP)

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

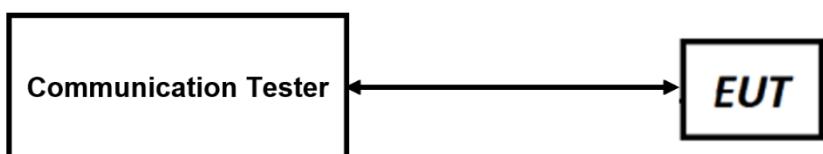


Figure 7-5. EIRP Measurement Setup

| | | | | |
|--|---|----------------------------|-----------------|-----------------------------------|
| FCC ID: BCGA2757 |  element | PART 24 MEASUREMENT REPORT | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090023-02-R1.BCG | Test Dates: 05/30/2022 - 08/29/2022 | EUT Type: Tablet Device | Page 167 of 207 | |

Test Notes

1. The EUT was tested in all possible test configurations. The worst case emissions are reported with the EUT modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
2. This unit was tested with its standard battery.
3. The Level (dBm) readings in the table were taken with a correction table loaded into the base station simulator. The correction table was used to account for the signal attenuation in the connecting cable between the transmitter and antenna.
4. The Ant. Gains (GT) are listed in dBi.
5. This device employs UMTS technology with WCDMA (AMR/RMC) and HSDPA capabilities. The EUT was tested under all configurations and the highest power is reported in WCDMA mode with HSDPA Inactive at 12.2 kbps RMC and TPC bits all set to "1"

| | | | | |
|--|---|----------------------------|-----------------|-----------------------------------|
| FCC ID: BCGA2757 |  element | PART 24 MEASUREMENT REPORT | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090023-02-R1.BCG | Test Dates: 05/30/2022 - 08/29/2022 | EUT Type: Tablet Device | Page 168 of 207 | |

7.6.1 Antenna 4 – EIRP

LTE Band 25

| Bandwidth | Mod. | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] | |
|-----------|--------|-----------------|-----------------|----------------|-----------------------|------------|--------------|------------------|-------------|--|
| 1.4 MHz | QPSK | 1850.7 | 1.70 | 1 / 3 | 25.70 | 27.40 | 0.550 | 33.01 | -5.61 | |
| | | 1882.5 | 1.70 | 1 / 3 | 25.63 | 27.33 | 0.541 | 33.01 | -5.68 | |
| | | 1914.3 | 1.70 | 1 / 0 | 25.46 | 27.16 | 0.520 | 33.01 | -5.85 | |
| | 16-QAM | 1882.5 | 1.70 | 1 / 3 | 25.28 | 26.98 | 0.499 | 33.01 | -6.03 | |
| | | 1882.5 | 1.70 | 1 / 5 | 23.51 | 25.21 | 0.332 | 33.01 | -7.80 | |
| | | 1882.5 | 1.70 | 1 / 5 | 20.79 | 22.49 | 0.177 | 33.01 | -10.52 | |
| | QPSK | 1851.5 | 1.70 | 1 / 14 | 25.65 | 27.35 | 0.543 | 33.01 | -5.66 | |
| 3 MHz | | 1882.5 | 1.70 | 1 / 14 | 25.70 | 27.40 | 0.550 | 33.01 | -5.61 | |
| | | 1913.5 | 1.70 | 1 / 0 | 25.59 | 27.29 | 0.536 | 33.01 | -5.72 | |
| 16-QAM | 1851.5 | 1.70 | 1 / 14 | 25.09 | 26.79 | 0.478 | 33.01 | -6.22 | | |
| | 1882.5 | 1.70 | 1 / 14 | 24.01 | 25.71 | 0.372 | 33.01 | -7.30 | | |
| | 1913.5 | 1.70 | 1 / 14 | 21.32 | 23.02 | 0.200 | 33.01 | -9.99 | | |
| QPSK | 1852.5 | 1.70 | 1 / 24 | 25.70 | 27.40 | 0.550 | 33.01 | -5.61 | | |
| | 1882.5 | 1.70 | 1 / 24 | 25.62 | 27.32 | 0.540 | 33.01 | -5.69 | | |
| | 1912.5 | 1.70 | 1 / 12 | 25.47 | 27.17 | 0.521 | 33.01 | -5.84 | | |
| | 1852.5 | 1.70 | 1 / 24 | 25.28 | 26.98 | 0.499 | 33.01 | -6.03 | | |
| | 1882.5 | 1.70 | 1 / 12 | 24.05 | 25.75 | 0.376 | 33.01 | -7.26 | | |
| | 1852.5 | 1.70 | 1 / 12 | 20.89 | 22.59 | 0.182 | 33.01 | -10.42 | | |
| 5 MHz | QPSK | 1855.0 | 1.70 | 1 / 25 | 25.63 | 27.33 | 0.541 | 33.01 | -5.68 | |
| | | 1882.5 | 1.70 | 1 / 25 | 25.68 | 27.38 | 0.547 | 33.01 | -5.63 | |
| | | 1910.0 | 1.70 | 1 / 0 | 25.70 | 27.40 | 0.550 | 33.01 | -5.61 | |
| | 16-QAM | 1855.0 | 1.70 | 1 / 25 | 25.17 | 26.87 | 0.486 | 33.01 | -6.14 | |
| | | 1910.0 | 1.70 | 1 / 25 | 24.03 | 25.73 | 0.374 | 33.01 | -7.28 | |
| | | 1910.0 | 1.70 | 1 / 25 | 21.40 | 23.10 | 0.204 | 33.01 | -9.91 | |
| | QPSK | 1857.5 | 1.70 | 1 / 37 | 25.59 | 27.29 | 0.536 | 33.01 | -5.72 | |
| | | 1882.5 | 1.70 | 1 / 37 | 25.70 | 27.40 | 0.550 | 33.01 | -5.61 | |
| | | 1907.5 | 1.70 | 1 / 37 | 25.56 | 27.26 | 0.532 | 33.01 | -5.75 | |
| | | 1857.5 | 1.70 | 1 / 37 | 25.09 | 26.79 | 0.478 | 33.01 | -6.22 | |
| | | 1882.5 | 1.70 | 1 / 37 | 24.41 | 26.11 | 0.408 | 33.01 | -6.90 | |
| | | 1907.5 | 1.70 | 1 / 37 | 21.17 | 22.87 | 0.194 | 33.01 | -10.14 | |
| 10 MHz | QPSK | 1860.0 | 1.70 | 1 / 50 | 25.37 | 27.07 | 0.509 | 33.01 | -5.94 | |
| | | 1882.5 | 1.70 | 1 / 50 | 25.69 | 27.39 | 0.548 | 33.01 | -5.62 | |
| | | 1905.0 | 1.70 | 1 / 50 | 25.70 | 27.40 | 0.550 | 33.01 | -5.61 | |
| | 16-QAM | 1905.0 | 1.70 | 1 / 50 | 25.31 | 27.01 | 0.502 | 33.01 | -6.00 | |
| | | 1860.0 | 1.70 | 1 / 50 | 24.43 | 26.13 | 0.410 | 33.01 | -6.88 | |
| | | 1905.0 | 1.70 | 1 / 50 | 20.87 | 22.57 | 0.181 | 33.01 | -10.44 | |
| | QPSK | 1860.0 | 1.70 | 1 / 50 | 25.37 | 27.07 | 0.509 | 33.01 | -5.94 | |

Table 7-2. Antenna 4 EIRP Data (LTE Band 25)

| | | | | | | |
|--|---|----------------------------|--|--|--|-----------------------------------|
| FCC ID: BCGA2757 |  element | PART 24 MEASUREMENT REPORT | | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090023-02-R1.BCG | Test Dates: 05/30/2022 - 08/29/2022 | EUT Type: Tablet Device | | | | |

LTE Band 2

| Bandwidth | Mod. | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|--------|-----------------|-----------------|----------------|-----------------------|--------------|--------------|------------------|-------------|
| 1.4 MHz | QPSK | 1850.7 | 1.70 | 1 / 0 | 25.43 | 27.13 | 0.516 | 33.01 | -5.88 |
| | | 1880.0 | 1.70 | 1 / 5 | 25.70 | 27.40 | 0.550 | 33.01 | -5.61 |
| | | 1909.3 | 1.70 | 1 / 3 | 25.44 | 27.14 | 0.518 | 33.01 | -5.87 |
| | 16-QAM | 1880.0 | 1.70 | 1 / 3 | 24.81 | 26.51 | 0.448 | 33.01 | -6.50 |
| | | 1880.0 | 1.70 | 1 / 3 | 24.19 | 25.89 | 0.388 | 33.01 | -7.12 |
| | | 1850.7 | 1.70 | 1 / 5 | 21.23 | 22.93 | 0.196 | 33.01 | -10.08 |
| 3 MHz | QPSK | 1851.5 | 1.70 | 1 / 0 | 25.57 | 27.27 | 0.533 | 33.01 | -5.74 |
| | | 1880.0 | 1.70 | 1 / 14 | 25.70 | 27.40 | 0.550 | 33.01 | -5.61 |
| | | 1908.5 | 1.70 | 1 / 14 | 25.67 | 27.37 | 0.546 | 33.01 | -5.64 |
| | 16-QAM | 1908.5 | 1.70 | 1 / 7 | 25.09 | 26.79 | 0.478 | 33.01 | -6.22 |
| | | 1908.5 | 1.70 | 1 / 7 | 24.38 | 26.08 | 0.406 | 33.01 | -6.93 |
| | | 1880.0 | 1.70 | 1 / 0 | 21.32 | 23.02 | 0.200 | 33.01 | -9.99 |
| 5 MHz | QPSK | 1852.5 | 1.70 | 1 / 24 | 25.58 | 27.28 | 0.535 | 33.01 | -5.73 |
| | | 1880.0 | 1.70 | 1 / 24 | 25.70 | 27.40 | 0.550 | 33.01 | -5.61 |
| | | 1907.5 | 1.70 | 1 / 12 | 25.53 | 27.23 | 0.528 | 33.01 | -5.78 |
| | 16-QAM | 1880.0 | 1.70 | 1 / 12 | 25.11 | 26.81 | 0.480 | 33.01 | -6.20 |
| | | 1880.0 | 1.70 | 1 / 12 | 23.97 | 25.67 | 0.369 | 33.01 | -7.34 |
| | | 1852.5 | 1.70 | 1 / 24 | 21.15 | 22.85 | 0.193 | 33.01 | -10.16 |
| 10 MHz | QPSK | 1855.0 | 1.70 | 1 / 49 | 25.69 | 27.39 | 0.548 | 33.01 | -5.62 |
| | | 1880.0 | 1.70 | 1 / 49 | 25.70 | 27.40 | 0.550 | 33.01 | -5.61 |
| | | 1905.0 | 1.70 | 1 / 25 | 25.67 | 27.37 | 0.546 | 33.01 | -5.64 |
| | 16-QAM | 1905.0 | 1.70 | 1 / 0 | 25.08 | 26.78 | 0.476 | 33.01 | -6.23 |
| | | 1905.0 | 1.70 | 1 / 25 | 24.33 | 26.03 | 0.401 | 33.01 | -6.98 |
| | | 1905.0 | 1.70 | 1 / 49 | 21.30 | 23.00 | 0.200 | 33.01 | -10.01 |
| 15 MHz | QPSK | 1857.5 | 1.70 | 1 / 37 | 25.70 | 27.40 | 0.550 | 33.01 | -5.61 |
| | | 1880.0 | 1.70 | 1 / 37 | 25.59 | 27.29 | 0.536 | 33.01 | -5.72 |
| | | 1902.5 | 1.70 | 1 / 37 | 25.51 | 27.21 | 0.526 | 33.01 | -5.80 |
| | 16-QAM | 1902.5 | 1.70 | 1 / 37 | 24.92 | 26.62 | 0.459 | 33.01 | -6.39 |
| | | 1902.5 | 1.70 | 1 / 37 | 24.26 | 25.96 | 0.394 | 33.01 | -7.05 |
| | | 1902.5 | 1.70 | 1 / 74 | 21.17 | 22.87 | 0.194 | 33.01 | -10.14 |
| 20 MHz | QPSK | 1860.0 | 1.70 | 1 / 50 | 25.70 | 27.40 | 0.550 | 33.01 | -5.61 |
| | | 1880.0 | 1.70 | 1 / 50 | 25.38 | 27.08 | 0.511 | 33.01 | -5.93 |
| | | 1900.0 | 1.70 | 1 / 50 | 25.68 | 27.38 | 0.547 | 33.01 | -5.63 |
| | 16-QAM | 1900.0 | 1.70 | 1 / 50 | 24.88 | 26.58 | 0.455 | 33.01 | -6.43 |
| | | 1880.0 | 1.70 | 1 / 99 | 24.29 | 25.99 | 0.397 | 33.01 | -7.02 |
| | | 1880.0 | 1.70 | 1 / 50 | 21.08 | 22.78 | 0.190 | 33.01 | -10.23 |

Table 7-3. Antenna 4 EIRP Data (LTE Band 2)

| | | | | | | |
|--|--|----------------------------|--|--|--|-----------------------------------|
| FCC ID: BCGA2757 | element | PART 24 MEASUREMENT REPORT | | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090023-02-R1.BCG | Test Dates: 05/30/2022 - 08/29/2022 | EUT Type: Tablet Device | | | | |

NR Band n25

| Bandwidth | Mod. | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|----------|-----------------|-----------------|----------------|-----------------------|--------------|--------------|------------------|-------------|
| 5 MHz | π/2 BPSK | 1852.5 | 1.70 | 1 / 23 | 25.46 | 27.16 | 0.520 | 33.01 | -5.85 |
| | | 1882.5 | 1.70 | 1 / 23 | 25.55 | 27.25 | 0.531 | 33.01 | -5.76 |
| | | 1912.5 | 1.70 | 1 / 23 | 25.70 | 27.40 | 0.550 | 33.01 | -5.61 |
| | QPSK | 1852.5 | 1.70 | 1 / 0 | 25.44 | 27.14 | 0.518 | 33.01 | -5.87 |
| | | 1882.5 | 1.70 | 1 / 12 | 25.57 | 27.27 | 0.534 | 33.01 | -5.74 |
| | | 1912.5 | 1.70 | 1 / 0 | 25.43 | 27.13 | 0.516 | 33.01 | -5.88 |
| | 16-QAM | 1882.5 | 1.70 | 1 / 12 | 24.74 | 26.44 | 0.440 | 33.01 | -6.57 |
| | 64-QAM | 1852.5 | 1.70 | 1 / 23 | 23.53 | 25.23 | 0.334 | 33.01 | -7.78 |
| | 256-QAM | 1882.5 | 1.70 | 1 / 12 | 21.06 | 22.76 | 0.189 | 33.01 | -10.25 |
| | π/2 BPSK | 1855.0 | 1.70 | 1 / 48 | 25.70 | 27.40 | 0.550 | 33.01 | -5.61 |
| | | 1882.5 | 1.70 | 1 / 48 | 25.53 | 27.23 | 0.529 | 33.01 | -5.78 |
| | | 1910.0 | 1.70 | 1 / 0 | 25.70 | 27.40 | 0.549 | 33.01 | -5.61 |
| 10 MHz | QPSK | 1855.0 | 1.70 | 1 / 25 | 25.36 | 27.06 | 0.508 | 33.01 | -5.95 |
| | | 1882.5 | 1.70 | 1 / 0 | 25.34 | 27.04 | 0.506 | 33.01 | -5.97 |
| | | 1910.0 | 1.70 | 1 / 48 | 25.49 | 27.19 | 0.524 | 33.01 | -5.82 |
| | 16-QAM | 1882.5 | 1.70 | 1 / 0 | 25.08 | 26.78 | 0.476 | 33.01 | -6.23 |
| | 64-QAM | 1910.0 | 1.70 | 1 / 25 | 23.39 | 25.09 | 0.323 | 33.01 | -7.92 |
| | 256-QAM | 1882.5 | 1.70 | 1 / 25 | 21.26 | 22.96 | 0.198 | 33.01 | -10.05 |
| | π/2 BPSK | 1857.5 | 1.70 | 1 / 37 | 25.27 | 26.97 | 0.497 | 33.01 | -6.04 |
| | | 1882.5 | 1.70 | 1 / 37 | 25.49 | 27.19 | 0.523 | 33.01 | -5.82 |
| | | 1907.5 | 1.70 | 1 / 0 | 25.34 | 27.04 | 0.505 | 33.01 | -5.97 |
| | QPSK | 1857.5 | 1.70 | 1 / 37 | 25.09 | 26.79 | 0.477 | 33.01 | -6.22 |
| | | 1882.5 | 1.70 | 1 / 73 | 25.22 | 26.92 | 0.493 | 33.01 | -6.09 |
| | | 1907.5 | 1.70 | 1 / 0 | 25.70 | 27.40 | 0.550 | 33.01 | -5.61 |
| 15 MHz | 16-QAM | 1907.5 | 1.70 | 1 / 37 | 24.80 | 26.50 | 0.447 | 33.01 | -6.51 |
| | 64-QAM | 1907.5 | 1.70 | 1 / 0 | 23.10 | 24.80 | 0.302 | 33.01 | -8.21 |
| | 256-QAM | 1882.5 | 1.70 | 1 / 73 | 20.85 | 22.55 | 0.180 | 33.01 | -10.46 |
| | π/2 BPSK | 1860.0 | 1.70 | 1 / 50 | 25.39 | 27.09 | 0.512 | 33.01 | -5.92 |
| | | 1882.5 | 1.70 | 1 / 0 | 25.61 | 27.31 | 0.539 | 33.01 | -5.70 |
| | | 1905.0 | 1.70 | 1 / 50 | 25.52 | 27.22 | 0.528 | 33.01 | -5.79 |
| | QPSK | 1860.0 | 1.70 | 1 / 50 | 25.38 | 27.08 | 0.511 | 33.01 | -5.93 |
| | | 1882.5 | 1.70 | 1 / 50 | 25.49 | 27.19 | 0.523 | 33.01 | -5.82 |
| | | 1905.0 | 1.70 | 1 / 50 | 25.70 | 27.40 | 0.550 | 33.01 | -5.61 |
| 20 MHz | 16-QAM | 1882.5 | 1.70 | 1 / 0 | 25.22 | 26.92 | 0.492 | 33.01 | -6.09 |
| | 64-QAM | 1905.0 | 1.70 | 1 / 0 | 23.40 | 25.10 | 0.323 | 33.01 | -7.91 |
| | 256-QAM | 1905.0 | 1.70 | 1 / 0 | 21.11 | 22.81 | 0.191 | 33.01 | -10.21 |
| | π/2 BPSK | 1862.5 | 1.70 | 1 / 131 | 25.52 | 27.22 | 0.527 | 33.01 | -5.79 |
| | | 1882.5 | 1.70 | 1 / 131 | 25.45 | 27.15 | 0.519 | 33.01 | -5.86 |
| | | 1902.5 | 1.70 | 1 / 0 | 25.49 | 27.19 | 0.523 | 33.01 | -5.82 |
| | QPSK | 1862.5 | 1.70 | 1 / 131 | 25.70 | 27.40 | 0.550 | 33.01 | -5.61 |
| | | 1882.5 | 1.70 | 1 / 0 | 25.37 | 27.07 | 0.509 | 33.01 | -5.94 |
| | | 1902.5 | 1.70 | 1 / 131 | 25.54 | 27.24 | 0.529 | 33.01 | -5.77 |
| 25 MHz | 16-QAM | 1862.5 | 1.70 | 1 / 0 | 24.68 | 26.38 | 0.434 | 33.01 | -6.63 |
| | 64-QAM | 1902.5 | 1.70 | 1 / 0 | 23.10 | 24.80 | 0.302 | 33.01 | -8.21 |
| | 256-QAM | 1902.5 | 1.70 | 1 / 131 | 21.04 | 22.74 | 0.188 | 33.01 | -10.27 |
| | π/2 BPSK | 1865.0 | 1.70 | 1 / 0 | 25.48 | 27.18 | 0.522 | 33.01 | -5.84 |
| | | 1882.5 | 1.70 | 1 / 0 | 25.70 | 27.40 | 0.550 | 33.01 | -5.61 |
| | | 1900.0 | 1.70 | 1 / 214 | 25.34 | 27.04 | 0.506 | 33.01 | -5.97 |
| | QPSK | 1865.0 | 1.70 | 1 / 214 | 25.51 | 27.21 | 0.526 | 33.01 | -5.80 |
| | | 1882.5 | 1.70 | 1 / 214 | 25.26 | 26.96 | 0.497 | 33.01 | -6.05 |
| | | 1900.0 | 1.70 | 1 / 214 | 25.28 | 26.98 | 0.499 | 33.01 | -6.03 |
| 30 MHz | 16-QAM | 1865.0 | 1.70 | 1 / 214 | 24.58 | 26.28 | 0.425 | 33.01 | -6.73 |
| | 64-QAM | 1865.0 | 1.70 | 1 / 214 | 23.44 | 25.14 | 0.326 | 33.01 | -7.87 |
| | 256-QAM | 1882.5 | 1.70 | 1 / 214 | 20.96 | 22.66 | 0.185 | 33.01 | -10.35 |
| | π/2 BPSK | 1870.0 | 1.70 | 1 / 214 | 25.68 | 27.38 | 0.547 | 33.01 | -5.63 |
| | | 1882.5 | 1.70 | 1 / 108 | 25.69 | 27.39 | 0.548 | 33.01 | -5.62 |
| | | 1895.0 | 1.70 | 1 / 214 | 25.70 | 27.40 | 0.550 | 33.01 | -5.61 |
| | QPSK | 1870.0 | 1.70 | 1 / 108 | 25.17 | 26.87 | 0.486 | 33.01 | -6.14 |
| | | 1882.5 | 1.70 | 1 / 214 | 25.54 | 27.24 | 0.530 | 33.01 | -5.77 |
| | | 1895.0 | 1.70 | 1 / 108 | 25.48 | 27.18 | 0.522 | 33.01 | -5.83 |
| 40 MHz | 16-QAM | 1895.0 | 1.70 | 1 / 0 | 24.70 | 26.40 | 0.437 | 33.01 | -6.61 |
| | 64-QAM | 1882.5 | 1.70 | 1 / 108 | 23.18 | 24.88 | 0.308 | 33.01 | -8.13 |
| | 256-QAM | 1895.0 | 1.70 | 1 / 214 | 21.09 | 22.79 | 0.190 | 33.01 | -10.22 |

Table 7-4. Antenna 4 EIRP Data (NR Band n25)

| | | | | | |
|--|--|----------------------------|--|--|-----------------------------------|
| FCC ID: BCGA2757 | PART 24 MEASUREMENT REPORT | | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090023-02-R1.BCG | Test Dates: 05/30/2022 - 08/29/2022 | EUT Type: Tablet Device | | | |

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V2.1 11/9/2021

NR Band n2

| Bandwidth | Mod. | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|----------|-----------------|-----------------|----------------|-----------------------|------------|--------------|------------------|-------------|
| 5 MHz | π/2 BPSK | 1852.5 | 1.70 | 1 / 23 | 25.22 | 26.92 | 0.492 | 33.01 | -6.09 |
| | | 1880.0 | 1.70 | 1 / 23 | 25.27 | 26.97 | 0.498 | 33.01 | -6.04 |
| | | 1907.5 | 1.70 | 1 / 0 | 25.49 | 27.19 | 0.523 | 33.01 | -5.82 |
| | QPSK | 1852.5 | 1.70 | 1 / 12 | 25.45 | 27.15 | 0.519 | 33.01 | -5.86 |
| | | 1880.0 | 1.70 | 1 / 23 | 25.40 | 27.10 | 0.513 | 33.01 | -5.91 |
| | | 1907.5 | 1.70 | 1 / 23 | 25.70 | 27.40 | 0.550 | 33.01 | -5.61 |
| | 16-QAM | 1852.5 | 1.70 | 1 / 12 | 24.85 | 26.55 | 0.452 | 33.01 | -6.46 |
| | 64-QAM | 1852.5 | 1.70 | 1 / 23 | 23.16 | 24.86 | 0.306 | 33.01 | -8.15 |
| | 256-QAM | 1852.5 | 1.70 | 1 / 23 | 21.04 | 22.74 | 0.188 | 33.01 | -10.27 |
| 10 MHz | π/2 BPSK | 1855.0 | 1.70 | 1 / 0 | 25.18 | 26.88 | 0.488 | 33.01 | -6.13 |
| | | 1880.0 | 1.70 | 1 / 48 | 25.49 | 27.19 | 0.524 | 33.01 | -5.82 |
| | | 1905.0 | 1.70 | 1 / 48 | 25.55 | 27.25 | 0.531 | 33.01 | -5.76 |
| | QPSK | 1855.0 | 1.70 | 1 / 48 | 25.33 | 27.03 | 0.504 | 33.01 | -5.99 |
| | | 1880.0 | 1.70 | 1 / 0 | 25.61 | 27.31 | 0.538 | 33.01 | -5.70 |
| | | 1905.0 | 1.70 | 1 / 0 | 25.70 | 27.40 | 0.550 | 33.01 | -5.61 |
| | 16-QAM | 1880.0 | 1.70 | 1 / 48 | 24.82 | 26.52 | 0.449 | 33.01 | -6.49 |
| | 64-QAM | 1855.0 | 1.70 | 1 / 25 | 23.48 | 25.18 | 0.330 | 33.01 | -7.83 |
| | 256-QAM | 1905.0 | 1.70 | 1 / 0 | 20.82 | 22.52 | 0.179 | 33.01 | -10.49 |
| 15 MHz | π/2 BPSK | 1857.5 | 1.70 | 1 / 0 | 25.27 | 26.97 | 0.498 | 33.01 | -6.04 |
| | | 1880.0 | 1.70 | 1 / 73 | 25.29 | 26.99 | 0.500 | 33.01 | -6.02 |
| | | 1902.5 | 1.70 | 1 / 37 | 25.70 | 27.40 | 0.550 | 33.01 | -5.61 |
| | QPSK | 1857.5 | 1.70 | 1 / 37 | 25.22 | 26.92 | 0.492 | 33.01 | -6.09 |
| | | 1880.0 | 1.70 | 1 / 37 | 25.54 | 27.24 | 0.530 | 33.01 | -5.77 |
| | | 1902.5 | 1.70 | 1 / 0 | 25.37 | 27.07 | 0.510 | 33.01 | -5.94 |
| | 16-QAM | 1902.5 | 1.70 | 1 / 37 | 24.81 | 26.51 | 0.448 | 33.01 | -6.50 |
| | 64-QAM | 1902.5 | 1.70 | 1 / 37 | 22.91 | 24.61 | 0.289 | 33.01 | -8.40 |
| | 256-QAM | 1880.0 | 1.70 | 1 / 0 | 20.92 | 22.62 | 0.183 | 33.01 | -10.39 |
| 20 MHz | π/2 BPSK | 1860.0 | 1.70 | 1 / 50 | 25.70 | 27.40 | 0.550 | 33.01 | -5.61 |
| | | 1880.0 | 1.70 | 1 / 98 | 25.61 | 27.31 | 0.538 | 33.01 | -5.70 |
| | | 1900.0 | 1.70 | 1 / 98 | 25.62 | 27.32 | 0.540 | 33.01 | -5.69 |
| | QPSK | 1860.0 | 1.70 | 1 / 50 | 25.64 | 27.34 | 0.542 | 33.01 | -5.67 |
| | | 1880.0 | 1.70 | 1 / 50 | 25.67 | 27.37 | 0.546 | 33.01 | -5.64 |
| | | 1900.0 | 1.70 | 1 / 0 | 25.60 | 27.30 | 0.537 | 33.01 | -5.71 |
| | 16-QAM | 1880.0 | 1.70 | 1 / 50 | 24.81 | 26.51 | 0.448 | 33.01 | -6.50 |
| | 64-QAM | 1860.0 | 1.70 | 1 / 50 | 23.48 | 25.18 | 0.329 | 33.01 | -7.83 |
| | 256-QAM | 1900.0 | 1.70 | 1 / 50 | 21.24 | 22.94 | 0.197 | 33.01 | -10.07 |

Table 7-5. Antenna 4 EIRP Data (NR Band n2)

| Frequency [MHz] | Mode | Conducted Power [dBm] | Ant. Gain [dBi] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------------|-----------|-----------------------|-----------------|------------|--------------|------------------|-------------|
| 1852.40 | WCDMA1900 | 25.65 | 1.70 | 27.35 | 0.544 | 33.01 | -5.66 |
| 1880.00 | WCDMA1900 | 25.65 | 1.70 | 27.35 | 0.544 | 33.01 | -5.66 |
| 1907.60 | WCDMA1900 | 25.63 | 1.70 | 27.33 | 0.540 | 33.01 | -5.68 |

Table 7-6. Antenna 4 EIRP Data (WCDMA PCS)

| | | | | | | |
|--|--|----------------------------|--|--|--|-----------------------------------|
| FCC ID: BCGA2757 | element | PART 24 MEASUREMENT REPORT | | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090023-02-R1.BCG | Test Dates: 05/30/2022 - 08/29/2022 | EUT Type: Tablet Device | | | | |

7.6.2 Antenna 2b – EIRP

LTE Band 25

| Bandwidth | Mod. | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|--------|-----------------|-----------------|----------------|-----------------------|--------------|--------------|------------------|-------------|
| 1.4 MHz | QPSK | 1850.7 | -2.00 | 1 / 3 | 24.20 | 22.20 | 0.166 | 33.01 | -10.81 |
| | | 1882.5 | -2.00 | 1 / 3 | 24.13 | 22.13 | 0.163 | 33.01 | -10.88 |
| | | 1914.3 | -2.00 | 1 / 0 | 23.96 | 21.96 | 0.157 | 33.01 | -11.05 |
| | 16-QAM | 1882.5 | -2.00 | 1 / 3 | 23.78 | 21.78 | 0.151 | 33.01 | -11.23 |
| | | 1882.5 | -2.00 | 1 / 5 | 22.01 | 20.01 | 0.100 | 33.01 | -13.00 |
| | | 1882.5 | -2.00 | 1 / 5 | 19.29 | 17.29 | 0.054 | 33.01 | -15.72 |
| | QPSK | 1851.5 | -2.00 | 1 / 14 | 24.15 | 22.15 | 0.164 | 33.01 | -10.86 |
| | | 1882.5 | -2.00 | 1 / 14 | 24.20 | 22.20 | 0.166 | 33.01 | -10.81 |
| | | 1913.5 | -2.00 | 1 / 0 | 24.09 | 22.09 | 0.162 | 33.01 | -10.92 |
| | 16-QAM | 1851.5 | -2.00 | 1 / 14 | 23.59 | 21.59 | 0.144 | 33.01 | -11.42 |
| | | 1882.5 | -2.00 | 1 / 14 | 22.51 | 20.51 | 0.112 | 33.01 | -12.50 |
| | | 1913.5 | -2.00 | 1 / 14 | 19.82 | 17.82 | 0.061 | 33.01 | -15.19 |
| 3 MHz | QPSK | 1852.5 | -2.00 | 1 / 24 | 24.20 | 22.20 | 0.166 | 33.01 | -10.81 |
| | | 1882.5 | -2.00 | 1 / 24 | 24.12 | 22.12 | 0.163 | 33.01 | -10.89 |
| | | 1912.5 | -2.00 | 1 / 12 | 23.97 | 21.97 | 0.157 | 33.01 | -11.04 |
| | 16-QAM | 1852.5 | -2.00 | 1 / 24 | 23.78 | 21.78 | 0.151 | 33.01 | -11.23 |
| | | 1882.5 | -2.00 | 1 / 12 | 22.55 | 20.55 | 0.114 | 33.01 | -12.46 |
| | | 1852.5 | -2.00 | 1 / 12 | 19.39 | 17.39 | 0.055 | 33.01 | -15.62 |
| | QPSK | 1855.0 | -2.00 | 1 / 25 | 24.13 | 22.13 | 0.163 | 33.01 | -10.88 |
| | | 1882.5 | -2.00 | 1 / 25 | 24.18 | 22.18 | 0.165 | 33.01 | -10.83 |
| | | 1910.0 | -2.00 | 1 / 0 | 24.20 | 22.20 | 0.166 | 33.01 | -10.81 |
| | | 16-QAM | -2.00 | 1 / 25 | 23.67 | 21.67 | 0.147 | 33.01 | -11.34 |
| | | 1910.0 | -2.00 | 1 / 25 | 22.53 | 20.53 | 0.113 | 33.01 | -12.48 |
| | | 1910.0 | -2.00 | 1 / 25 | 19.90 | 17.90 | 0.062 | 33.01 | -15.11 |
| 5 MHz | QPSK | 1857.5 | -2.00 | 1 / 37 | 24.09 | 22.09 | 0.162 | 33.01 | -10.92 |
| | | 1882.5 | -2.00 | 1 / 37 | 24.20 | 22.20 | 0.166 | 33.01 | -10.81 |
| | | 1907.5 | -2.00 | 1 / 37 | 24.06 | 22.06 | 0.161 | 33.01 | -10.95 |
| | 16-QAM | 1857.5 | -2.00 | 1 / 37 | 23.59 | 21.59 | 0.144 | 33.01 | -11.42 |
| | | 1882.5 | -2.00 | 1 / 37 | 22.91 | 20.91 | 0.123 | 33.01 | -12.10 |
| | | 1907.5 | -2.00 | 1 / 37 | 19.67 | 17.67 | 0.058 | 33.01 | -15.34 |
| | QPSK | 1860.0 | -2.00 | 1 / 50 | 23.87 | 21.87 | 0.154 | 33.01 | -11.14 |
| | | 1882.5 | -2.00 | 1 / 50 | 24.19 | 22.19 | 0.166 | 33.01 | -10.82 |
| | | 1905.0 | -2.00 | 1 / 50 | 24.20 | 22.20 | 0.166 | 33.01 | -10.81 |
| | | 1905.0 | -2.00 | 1 / 50 | 23.81 | 21.81 | 0.152 | 33.01 | -11.20 |
| | | 1860.0 | -2.00 | 1 / 50 | 22.93 | 20.93 | 0.124 | 33.01 | -12.08 |
| | | 1905.0 | -2.00 | 1 / 50 | 19.37 | 17.37 | 0.055 | 33.01 | -15.64 |

Table 7-7. Antenna 2b EIRP Data (LTE Band 25)

| FCC ID: BCGA2757 | element | PART 24 MEASUREMENT REPORT | | | Approved by: Technical Manager |
|--|--|----------------------------|-----------------|--|-----------------------------------|
| Test Report S/N: 1C2205090023-02-R1.BCG | Test Dates: 05/30/2022 - 08/29/2022 | EUT Type: Tablet Device | Page 173 of 207 | | |

LTE Band 2

| Bandwidth | Mod. | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|--------|-----------------|-----------------|----------------|-----------------------|--------------|--------------|------------------|-------------|
| 1.4 MHz | QPSK | 1850.7 | -2.00 | 1 / 3 | 24.20 | 22.20 | 0.166 | 33.01 | -10.81 |
| | | 1880.0 | -2.00 | 1 / 3 | 23.92 | 21.92 | 0.156 | 33.01 | -11.09 |
| | | 1909.3 | -2.00 | 1 / 3 | 23.89 | 21.89 | 0.155 | 33.01 | -11.12 |
| | 16-QAM | 1850.7 | -2.00 | 1 / 3 | 23.18 | 21.18 | 0.131 | 33.01 | -11.83 |
| | | 1850.7 | -2.00 | 1 / 3 | 22.62 | 20.62 | 0.115 | 33.01 | -12.39 |
| | | 1909.3 | -2.00 | 1 / 3 | 19.45 | 17.45 | 0.056 | 33.01 | -15.56 |
| 3 MHz | QPSK | 1851.5 | -2.00 | 1 / 0 | 24.16 | 22.16 | 0.164 | 33.01 | -10.85 |
| | | 1880.0 | -2.00 | 1 / 14 | 24.20 | 22.20 | 0.166 | 33.01 | -10.81 |
| | | 1908.5 | -2.00 | 1 / 14 | 24.10 | 22.10 | 0.162 | 33.01 | -10.91 |
| | 16-QAM | 1908.5 | -2.00 | 1 / 7 | 23.57 | 21.57 | 0.144 | 33.01 | -11.44 |
| | | 1908.5 | -2.00 | 1 / 7 | 22.88 | 20.88 | 0.122 | 33.01 | -12.13 |
| | | 1908.5 | -2.00 | 1 / 7 | 19.84 | 17.84 | 0.061 | 33.01 | -15.17 |
| 5 MHz | QPSK | 1852.5 | -2.00 | 1 / 24 | 24.08 | 22.08 | 0.161 | 33.01 | -10.93 |
| | | 1880.0 | -2.00 | 1 / 24 | 24.20 | 22.20 | 0.166 | 33.01 | -10.81 |
| | | 1907.5 | -2.00 | 1 / 12 | 23.98 | 21.98 | 0.158 | 33.01 | -11.03 |
| | 16-QAM | 1880.0 | -2.00 | 1 / 24 | 23.51 | 21.51 | 0.142 | 33.01 | -11.50 |
| | | 1852.5 | -2.00 | 1 / 12 | 22.54 | 20.54 | 0.113 | 33.01 | -12.47 |
| | | 1852.5 | -2.00 | 1 / 12 | 19.54 | 17.54 | 0.057 | 33.01 | -15.47 |
| 10 MHz | QPSK | 1855.0 | -2.00 | 1 / 49 | 24.20 | 22.20 | 0.166 | 33.01 | -10.81 |
| | | 1880.0 | -2.00 | 1 / 25 | 24.18 | 22.18 | 0.165 | 33.01 | -10.83 |
| | | 1905.0 | -2.00 | 1 / 49 | 24.20 | 22.20 | 0.166 | 33.01 | -10.81 |
| | 16-QAM | 1905.0 | -2.00 | 1 / 0 | 23.55 | 21.55 | 0.143 | 33.01 | -11.46 |
| | | 1905.0 | -2.00 | 1 / 49 | 22.96 | 20.96 | 0.125 | 33.01 | -12.05 |
| | | 1880.0 | -2.00 | 1 / 25 | 19.87 | 17.87 | 0.061 | 33.01 | -15.14 |
| 15 MHz | QPSK | 1857.5 | -2.00 | 1 / 37 | 24.20 | 22.20 | 0.166 | 33.01 | -10.81 |
| | | 1880.0 | -2.00 | 1 / 37 | 24.13 | 22.13 | 0.163 | 33.01 | -10.88 |
| | | 1902.5 | -2.00 | 1 / 37 | 24.05 | 22.05 | 0.160 | 33.01 | -10.96 |
| | 16-QAM | 1902.5 | -2.00 | 1 / 37 | 23.37 | 21.37 | 0.137 | 33.01 | -11.64 |
| | | 1902.5 | -2.00 | 1 / 37 | 22.77 | 20.77 | 0.119 | 33.01 | -12.24 |
| | | 1902.5 | -2.00 | 1 / 37 | 19.73 | 17.73 | 0.059 | 33.01 | -15.28 |
| 20 MHz | QPSK | 1860.0 | -2.00 | 1 / 50 | 24.20 | 22.20 | 0.166 | 33.01 | -10.81 |
| | | 1880.0 | -2.00 | 1 / 50 | 23.94 | 21.94 | 0.156 | 33.01 | -11.07 |
| | | 1900.0 | -2.00 | 1 / 50 | 24.19 | 22.19 | 0.166 | 33.01 | -10.82 |
| | 16-QAM | 1900.0 | -2.00 | 1 / 0 | 23.47 | 21.47 | 0.140 | 33.01 | -11.54 |
| | | 1880.0 | -2.00 | 1 / 99 | 22.89 | 20.89 | 0.123 | 33.01 | -12.12 |
| | | 1880.0 | -2.00 | 1 / 50 | 19.67 | 17.67 | 0.058 | 33.01 | -15.34 |

Table 7-8. Antenna 2b EIRP Data (LTE Band 2)

| | | | | | | |
|--|--|----------------------------|--|--|--|-----------------------------------|
| FCC ID: BCGA2757 | element | PART 24 MEASUREMENT REPORT | | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090023-02-R1.BCG | Test Dates: 05/30/2022 - 08/29/2022 | EUT Type: Tablet Device | | | | |

NR Band n25

| Bandwidth | Mod. | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|--------------|-----------------|-----------------|----------------|-----------------------|--------------|--------------|------------------|-------------|
| 5 MHz | $\pi/2$ BPSK | 1852.5 | -2.00 | 1 / 12 | 23.65 | 21.65 | 0.146 | 33.01 | -11.36 |
| | | 1882.5 | -2.00 | 1 / 23 | 23.75 | 21.75 | 0.150 | 33.01 | -11.26 |
| | | 1912.5 | -2.00 | 1 / 12 | 23.95 | 21.95 | 0.157 | 33.01 | -11.06 |
| | QPSK | 1852.5 | -2.00 | 1 / 12 | 23.96 | 21.96 | 0.157 | 33.01 | -11.05 |
| | | 1882.5 | -2.00 | 1 / 23 | 24.20 | 22.20 | 0.166 | 33.01 | -10.81 |
| | | 1912.5 | -2.00 | 1 / 0 | 24.14 | 22.14 | 0.164 | 33.01 | -10.87 |
| | 16-QAM | 1882.5 | -2.00 | 1 / 23 | 22.98 | 20.98 | 0.125 | 33.01 | -12.03 |
| | 64-QAM | 1852.5 | -2.00 | 1 / 23 | 21.28 | 19.28 | 0.085 | 33.01 | -13.73 |
| | 256-QAM | 1852.5 | -2.00 | 1 / 23 | 19.42 | 17.42 | 0.055 | 33.01 | -15.59 |
| | $\pi/2$ BPSK | 1855.0 | -2.00 | 1 / 48 | 23.31 | 21.31 | 0.135 | 33.01 | -11.70 |
| | | 1882.5 | -2.00 | 1 / 25 | 23.52 | 21.52 | 0.142 | 33.01 | -11.49 |
| | | 1910.0 | -2.00 | 1 / 48 | 23.69 | 21.69 | 0.148 | 33.01 | -11.32 |
| 10 MHz | QPSK | 1855.0 | -2.00 | 1 / 25 | 23.95 | 21.95 | 0.157 | 33.01 | -11.07 |
| | | 1882.5 | -2.00 | 1 / 48 | 23.73 | 21.73 | 0.149 | 33.01 | -11.28 |
| | | 1910.0 | -2.00 | 1 / 48 | 24.20 | 22.20 | 0.166 | 33.01 | -10.81 |
| | 16-QAM | 1882.5 | -2.00 | 1 / 48 | 22.79 | 20.79 | 0.120 | 33.01 | -12.22 |
| | 64-QAM | 1910.0 | -2.00 | 1 / 48 | 21.34 | 19.34 | 0.086 | 33.01 | -13.67 |
| | 256-QAM | 1910.0 | -2.00 | 1 / 0 | 19.29 | 17.29 | 0.054 | 33.01 | -15.72 |
| | $\pi/2$ BPSK | 1857.5 | -2.00 | 1 / 0 | 23.74 | 21.74 | 0.149 | 33.01 | -11.27 |
| | | 1882.5 | -2.00 | 1 / 0 | 23.63 | 21.63 | 0.145 | 33.01 | -11.38 |
| | | 1907.5 | -2.00 | 1 / 0 | 23.66 | 21.66 | 0.147 | 33.01 | -11.35 |
| 15 MHz | QPSK | 1857.5 | -2.00 | 1 / 73 | 24.01 | 22.01 | 0.159 | 33.01 | -11.00 |
| | | 1882.5 | -2.00 | 1 / 37 | 23.67 | 21.67 | 0.147 | 33.01 | -11.34 |
| | | 1907.5 | -2.00 | 1 / 73 | 24.20 | 22.20 | 0.166 | 33.01 | -10.81 |
| | 16-QAM | 1882.5 | -2.00 | 1 / 0 | 23.26 | 21.26 | 0.134 | 33.01 | -11.75 |
| | 64-QAM | 1907.5 | -2.00 | 1 / 37 | 21.36 | 19.36 | 0.086 | 33.01 | -13.65 |
| | 256-QAM | 1857.5 | -2.00 | 1 / 73 | 19.62 | 17.62 | 0.058 | 33.01 | -15.39 |
| | $\pi/2$ BPSK | 1860.0 | -2.00 | 1 / 98 | 23.37 | 21.37 | 0.137 | 33.01 | -11.64 |
| | | 1882.5 | -2.00 | 1 / 0 | 23.48 | 21.48 | 0.140 | 33.01 | -11.54 |
| | | 1905.0 | -2.00 | 1 / 0 | 23.38 | 21.38 | 0.137 | 33.01 | -11.63 |
| 20 MHz | QPSK | 1860.0 | -2.00 | 1 / 0 | 23.69 | 21.69 | 0.147 | 33.01 | -11.32 |
| | | 1882.5 | -2.00 | 1 / 0 | 24.20 | 22.20 | 0.166 | 33.01 | -10.81 |
| | | 1905.0 | -2.00 | 1 / 50 | 23.73 | 21.73 | 0.149 | 33.01 | -11.28 |
| | 16-QAM | 1905.0 | -2.00 | 1 / 50 | 23.03 | 21.03 | 0.127 | 33.01 | -11.98 |
| | 64-QAM | 1860.0 | -2.00 | 1 / 50 | 21.40 | 19.40 | 0.087 | 33.01 | -13.61 |
| | 256-QAM | 1882.5 | -2.00 | 1 / 0 | 19.11 | 17.11 | 0.051 | 33.01 | -15.90 |
| | $\pi/2$ BPSK | 1862.5 | -2.00 | 1 / 131 | 23.92 | 21.92 | 0.155 | 33.01 | -11.09 |
| | | 1882.5 | -2.00 | 1 / 0 | 23.47 | 21.47 | 0.140 | 33.01 | -11.54 |
| | | 1902.5 | -2.00 | 1 / 66 | 23.82 | 21.82 | 0.152 | 33.01 | -11.19 |
| 25 MHz | QPSK | 1862.5 | -2.00 | 1 / 0 | 24.20 | 22.20 | 0.166 | 33.01 | -10.81 |
| | | 1882.5 | -2.00 | 1 / 131 | 24.12 | 22.12 | 0.163 | 33.01 | -10.89 |
| | | 1902.5 | -2.00 | 1 / 131 | 23.97 | 21.97 | 0.158 | 33.01 | -11.04 |
| | 16-QAM | 1902.5 | -2.00 | 1 / 0 | 23.29 | 21.29 | 0.135 | 33.01 | -11.72 |
| | 64-QAM | 1882.5 | -2.00 | 1 / 131 | 21.46 | 19.46 | 0.088 | 33.01 | -13.55 |
| | 256-QAM | 1862.5 | -2.00 | 1 / 131 | 19.28 | 17.28 | 0.054 | 33.01 | -15.73 |
| | $\pi/2$ BPSK | 1865.0 | -2.00 | 1 / 0 | 23.96 | 21.96 | 0.157 | 33.01 | -11.05 |
| | | 1882.5 | -2.00 | 1 / 0 | 23.89 | 21.89 | 0.155 | 33.01 | -11.12 |
| | | 1900.0 | -2.00 | 1 / 214 | 23.72 | 21.72 | 0.148 | 33.01 | -11.29 |
| 30 MHz | QPSK | 1865.0 | -2.00 | 1 / 214 | 23.83 | 21.83 | 0.152 | 33.01 | -11.18 |
| | | 1882.5 | -2.00 | 1 / 214 | 23.85 | 21.85 | 0.153 | 33.01 | -11.16 |
| | | 1900.0 | -2.00 | 1 / 214 | 24.20 | 22.20 | 0.166 | 33.01 | -10.81 |
| | 16-QAM | 1900.0 | -2.00 | 1 / 80 | 22.99 | 20.99 | 0.126 | 33.01 | -12.02 |
| | 64-QAM | 1865.0 | -2.00 | 1 / 0 | 21.70 | 19.70 | 0.093 | 33.01 | -13.31 |
| | 256-QAM | 1882.5 | -2.00 | 1 / 0 | 19.14 | 17.14 | 0.052 | 33.01 | -15.87 |
| | $\pi/2$ BPSK | 1870.0 | -2.00 | 1 / 214 | 23.61 | 21.61 | 0.145 | 33.01 | -11.40 |
| | | 1882.5 | -2.00 | 1 / 214 | 23.75 | 21.75 | 0.150 | 33.01 | -11.26 |
| | | 1895.0 | -2.00 | 1 / 0 | 23.84 | 21.84 | 0.153 | 33.01 | -11.17 |
| 40 MHz | QPSK | 1870.0 | -2.00 | 1 / 108 | 23.86 | 21.86 | 0.153 | 33.01 | -11.15 |
| | | 1882.5 | -2.00 | 1 / 0 | 24.14 | 22.14 | 0.164 | 33.01 | -10.87 |
| | | 1895.0 | -2.00 | 1 / 108 | 23.83 | 21.83 | 0.152 | 33.01 | -11.18 |
| | 16-QAM | 1882.5 | -2.00 | 1 / 0 | 23.02 | 21.02 | 0.126 | 33.01 | -11.99 |
| | 64-QAM | 1895.0 | -2.00 | 1 / 214 | 21.30 | 19.30 | 0.085 | 33.01 | -13.71 |
| | 256-QAM | 1895.0 | -2.00 | 1 / 108 | 19.23 | 17.23 | 0.053 | 33.01 | -15.78 |

Table 7-9. Antenna 2b EIRP Data (NR Band n25)

| | | | | | |
|--|--|----------------------------|--|--|-----------------------------------|
| FCC ID: BCGA2757 | PART 24 MEASUREMENT REPORT | | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090023-02-R1.BCG | Test Dates: 05/30/2022 - 08/29/2022 | EUT Type: Tablet Device | | | |

NR Band n2

| Bandwidth | Mod. | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|----------|-----------------|-----------------|----------------|-----------------------|------------|--------------|------------------|-------------|
| 5 MHz | π/2 BPSK | 1852.5 | -2.00 | 1 / 23 | 23.70 | 21.70 | 0.148 | 33.01 | -11.31 |
| | | 1880.0 | -2.00 | 1 / 23 | 24.02 | 22.02 | 0.159 | 33.01 | -10.99 |
| | | 1907.5 | -2.00 | 1 / 12 | 23.63 | 21.63 | 0.146 | 33.01 | -11.38 |
| | QPSK | 1852.5 | -2.00 | 1 / 12 | 24.19 | 22.19 | 0.166 | 33.01 | -10.82 |
| | | 1880.0 | -2.00 | 1 / 23 | 24.20 | 22.20 | 0.166 | 33.01 | -10.81 |
| | | 1907.5 | -2.00 | 1 / 23 | 24.15 | 22.15 | 0.164 | 33.01 | -10.86 |
| | 16-QAM | 1880.0 | -2.00 | 1 / 12 | 22.96 | 20.96 | 0.125 | 33.01 | -12.05 |
| | | 1880.0 | -2.00 | 1 / 0 | 21.62 | 19.62 | 0.092 | 33.01 | -13.39 |
| | | 1907.5 | -2.00 | 1 / 0 | 19.31 | 17.31 | 0.054 | 33.01 | -15.70 |
| 10 MHz | π/2 BPSK | 1855.0 | -2.00 | 1 / 48 | 23.72 | 21.72 | 0.149 | 33.01 | -11.29 |
| | | 1880.0 | -2.00 | 1 / 48 | 23.77 | 21.77 | 0.150 | 33.01 | -11.24 |
| | | 1905.0 | -2.00 | 1 / 48 | 23.80 | 21.80 | 0.151 | 33.01 | -11.21 |
| | QPSK | 1855.0 | -2.00 | 1 / 0 | 23.84 | 21.84 | 0.153 | 33.01 | -11.17 |
| | | 1880.0 | -2.00 | 1 / 25 | 24.20 | 22.20 | 0.166 | 33.01 | -10.81 |
| | | 1905.0 | -2.00 | 1 / 25 | 24.05 | 22.05 | 0.160 | 33.01 | -10.96 |
| | 16-QAM | 1880.0 | -2.00 | 1 / 48 | 22.83 | 20.83 | 0.121 | 33.01 | -12.18 |
| | | 1905.0 | -2.00 | 1 / 48 | 21.53 | 19.53 | 0.090 | 33.01 | -13.48 |
| | | 1880.0 | -2.00 | 1 / 25 | 19.15 | 17.15 | 0.052 | 33.01 | -15.86 |
| 15 MHz | π/2 BPSK | 1857.5 | -2.00 | 1 / 0 | 23.67 | 21.67 | 0.147 | 33.01 | -11.34 |
| | | 1880.0 | -2.00 | 1 / 0 | 23.87 | 21.87 | 0.154 | 33.01 | -11.14 |
| | | 1902.5 | -2.00 | 1 / 0 | 23.93 | 21.93 | 0.156 | 33.01 | -11.08 |
| | QPSK | 1857.5 | -2.00 | 1 / 0 | 24.20 | 22.20 | 0.166 | 33.01 | -10.81 |
| | | 1880.0 | -2.00 | 1 / 37 | 24.05 | 22.05 | 0.160 | 33.01 | -10.96 |
| | | 1902.5 | -2.00 | 1 / 0 | 23.82 | 21.82 | 0.152 | 33.01 | -11.19 |
| | 16-QAM | 1857.5 | -2.00 | 1 / 0 | 23.03 | 21.03 | 0.127 | 33.01 | -11.98 |
| | | 1902.5 | -2.00 | 1 / 0 | 21.64 | 19.64 | 0.092 | 33.01 | -13.37 |
| | | 1880.0 | -2.00 | 1 / 37 | 19.62 | 17.62 | 0.058 | 33.01 | -15.39 |
| 20 MHz | π/2 BPSK | 1860.0 | -2.00 | 1 / 0 | 23.96 | 21.96 | 0.157 | 33.01 | -11.05 |
| | | 1880.0 | -2.00 | 1 / 0 | 23.96 | 21.96 | 0.157 | 33.01 | -11.05 |
| | | 1900.0 | -2.00 | 1 / 0 | 23.70 | 21.70 | 0.148 | 33.01 | -11.31 |
| | QPSK | 1860.0 | -2.00 | 1 / 0 | 24.09 | 22.09 | 0.162 | 33.01 | -10.92 |
| | | 1880.0 | -2.00 | 1 / 50 | 24.20 | 22.20 | 0.166 | 33.01 | -10.81 |
| | | 1900.0 | -2.00 | 1 / 98 | 23.95 | 21.95 | 0.157 | 33.01 | -11.06 |
| | 16-QAM | 1880.0 | -2.00 | 1 / 0 | 23.30 | 21.30 | 0.135 | 33.01 | -11.71 |
| | | 1860.0 | -2.00 | 1 / 98 | 21.47 | 19.47 | 0.089 | 33.01 | -13.54 |
| | | 1880.0 | -2.00 | 1 / 0 | 19.58 | 17.58 | 0.057 | 33.01 | -15.43 |

Table 7-10. Antenna 2b EIRP Data (NR Band n2)

| Frequency [MHz] | Mode | Conducted Power [dBm] | Ant. Gain [dBi] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------------|-----------|-----------------------|-----------------|------------|--------------|------------------|-------------|
| 1852.40 | WCDMA1900 | 24.08 | -2.00 | 22.08 | 0.161 | 33.01 | -10.93 |
| 1880.00 | WCDMA1900 | 24.18 | -2.00 | 22.18 | 0.165 | 33.01 | -10.83 |
| 1907.60 | WCDMA1900 | 24.13 | -2.00 | 22.13 | 0.163 | 33.01 | -10.88 |

Table 7-11. Antenna 2b EIRP Data (WCDMA PCS)

| | | | | | | |
|--|--|----------------------------|--|--|--|-----------------------------------|
| FCC ID: BCGA2757 | element | PART 24 MEASUREMENT REPORT | | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090023-02-R1.BCG | Test Dates: 05/30/2022 - 08/29/2022 | EUT Type: Tablet Device | | | | |

7.6.3 Antenna 3a – EIRP

LTE Band 25

| Bandwidth | Mod. | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|--------|-----------------|-----------------|----------------|-----------------------|--------------|--------------|------------------|-------------|
| 1.4 MHz | QPSK | 1850.7 | 0.10 | 1 / 0 | 25.00 | 25.10 | 0.324 | 33.01 | -7.91 |
| | | 1882.5 | 0.10 | 1 / 0 | 24.66 | 24.76 | 0.299 | 33.01 | -8.25 |
| | | 1914.3 | 0.10 | 1 / 0 | 24.97 | 25.07 | 0.321 | 33.01 | -7.94 |
| | 16-QAM | 1882.5 | 0.10 | 1 / 3 | 24.09 | 24.19 | 0.262 | 33.01 | -8.82 |
| | | 1882.5 | 0.10 | 1 / 3 | 23.00 | 23.10 | 0.204 | 33.01 | -9.91 |
| | | 1882.5 | 0.10 | 1 / 0 | 20.13 | 20.23 | 0.105 | 33.01 | -12.78 |
| | 3 MHz | 1851.5 | 0.10 | 1 / 14 | 24.74 | 24.84 | 0.305 | 33.01 | -8.17 |
| | | 1882.5 | 0.10 | 1 / 7 | 25.00 | 25.10 | 0.324 | 33.01 | -7.91 |
| | | 1913.5 | 0.10 | 1 / 14 | 24.65 | 24.75 | 0.299 | 33.01 | -8.26 |
| | | 1882.5 | 0.10 | 1 / 14 | 24.17 | 24.27 | 0.267 | 33.01 | -8.74 |
| | | 1851.5 | 0.10 | 1 / 0 | 23.12 | 23.22 | 0.210 | 33.01 | -9.79 |
| | | 1851.5 | 0.10 | 1 / 14 | 20.06 | 20.16 | 0.104 | 33.01 | -12.85 |
| 5 MHz | QPSK | 1852.5 | 0.10 | 1 / 24 | 25.00 | 25.10 | 0.324 | 33.01 | -7.91 |
| | | 1882.5 | 0.10 | 1 / 24 | 24.42 | 24.52 | 0.283 | 33.01 | -8.49 |
| | | 1912.5 | 0.10 | 1 / 24 | 24.94 | 25.04 | 0.319 | 33.01 | -7.97 |
| | 16-QAM | 1852.5 | 0.10 | 1 / 12 | 24.02 | 24.12 | 0.258 | 33.01 | -8.89 |
| | | 1882.5 | 0.10 | 1 / 24 | 23.02 | 23.12 | 0.205 | 33.01 | -9.89 |
| | | 1852.5 | 0.10 | 1 / 24 | 20.00 | 20.10 | 0.102 | 33.01 | -12.91 |
| 10 MHz | QPSK | 1855.0 | 0.10 | 1 / 0 | 24.97 | 25.07 | 0.321 | 33.01 | -7.94 |
| | | 1882.5 | 0.10 | 1 / 0 | 25.00 | 25.10 | 0.324 | 33.01 | -7.91 |
| | | 1910.0 | 0.10 | 1 / 49 | 24.82 | 24.92 | 0.310 | 33.01 | -8.09 |
| | 16-QAM | 1855.0 | 0.10 | 1 / 0 | 24.07 | 24.17 | 0.261 | 33.01 | -8.84 |
| | | 1855.0 | 0.10 | 1 / 49 | 23.04 | 23.14 | 0.206 | 33.01 | -9.87 |
| | | 1910.0 | 0.10 | 1 / 49 | 20.00 | 20.10 | 0.102 | 33.01 | -12.91 |
| 15 MHz | QPSK | 1857.5 | 0.10 | 1 / 37 | 24.89 | 24.99 | 0.316 | 33.01 | -8.02 |
| | | 1882.5 | 0.10 | 1 / 37 | 25.00 | 25.10 | 0.324 | 33.01 | -7.91 |
| | | 1907.5 | 0.10 | 1 / 37 | 24.86 | 24.96 | 0.313 | 33.01 | -8.05 |
| | 16-QAM | 1857.5 | 0.10 | 1 / 37 | 24.39 | 24.49 | 0.281 | 33.01 | -8.52 |
| | | 1882.5 | 0.10 | 1 / 37 | 23.71 | 23.81 | 0.240 | 33.01 | -9.20 |
| | | 1907.5 | 0.10 | 1 / 37 | 20.47 | 20.57 | 0.114 | 33.01 | -12.44 |
| 20 MHz | QPSK | 1860.0 | 0.10 | 1 / 50 | 24.67 | 24.77 | 0.300 | 33.01 | -8.24 |
| | | 1882.5 | 0.10 | 1 / 50 | 24.99 | 25.09 | 0.323 | 33.01 | -7.92 |
| | | 1905.0 | 0.10 | 1 / 50 | 25.00 | 25.10 | 0.324 | 33.01 | -7.91 |
| | 16-QAM | 1905.0 | 0.10 | 1 / 50 | 24.61 | 24.71 | 0.296 | 33.01 | -8.30 |
| | | 1860.0 | 0.10 | 1 / 50 | 23.73 | 23.83 | 0.242 | 33.01 | -9.18 |
| | | 1905.0 | 0.10 | 1 / 50 | 20.17 | 20.27 | 0.106 | 33.01 | -12.74 |

Table 7-12. Antenna 3a EIRP Data (LTE Band 25)

| | | | | | |
|--|---|----------------------------|--|--|-----------------------------------|
| FCC ID: BCGA2757 |  element | PART 24 MEASUREMENT REPORT | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090023-02-R1.BCG | Test Dates: 05/30/2022 - 08/29/2022 | EUT Type: Tablet Device | | | |

LTE Band 2

| Bandwidth | Mod. | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|---------|-----------------|-----------------|----------------|-----------------------|--------------|--------------|------------------|-------------|
| 1.4 MHz | QPSK | 1850.7 | 0.10 | 1 / 3 | 24.76 | 24.86 | 0.306 | 33.01 | -8.15 |
| | | 1880.0 | 0.10 | 1 / 3 | 25.00 | 25.10 | 0.324 | 33.01 | -7.91 |
| | | 1909.3 | 0.10 | 1 / 3 | 24.66 | 24.76 | 0.299 | 33.01 | -8.25 |
| | 16-QAM | 1909.3 | 0.10 | 1 / 3 | 23.94 | 24.04 | 0.254 | 33.01 | -8.97 |
| | 64-QAM | 1880.0 | 0.10 | 1 / 3 | 23.38 | 23.48 | 0.223 | 33.01 | -9.53 |
| | 256-QAM | 1850.7 | 0.10 | 1 / 3 | 20.34 | 20.44 | 0.111 | 33.01 | -12.57 |
| 3 MHz | QPSK | 1851.5 | 0.10 | 1 / 14 | 24.88 | 24.98 | 0.315 | 33.01 | -8.03 |
| | | 1880.0 | 0.10 | 1 / 14 | 25.00 | 25.10 | 0.324 | 33.01 | -7.91 |
| | | 1908.5 | 0.10 | 1 / 14 | 24.96 | 25.06 | 0.321 | 33.01 | -7.95 |
| | 16-QAM | 1908.5 | 0.10 | 1 / 7 | 24.29 | 24.39 | 0.275 | 33.01 | -8.62 |
| | 64-QAM | 1908.5 | 0.10 | 1 / 14 | 23.66 | 23.76 | 0.238 | 33.01 | -9.25 |
| | 256-QAM | 1908.5 | 0.10 | 1 / 0 | 20.66 | 20.76 | 0.119 | 33.01 | -12.25 |
| 5 MHz | QPSK | 1852.5 | 0.10 | 1 / 12 | 24.88 | 24.98 | 0.315 | 33.01 | -8.03 |
| | | 1880.0 | 0.10 | 1 / 12 | 25.00 | 25.10 | 0.324 | 33.01 | -7.91 |
| | | 1907.5 | 0.10 | 1 / 12 | 24.80 | 24.90 | 0.309 | 33.01 | -8.11 |
| | 16-QAM | 1880.0 | 0.10 | 1 / 12 | 24.25 | 24.35 | 0.272 | 33.01 | -8.66 |
| | 64-QAM | 1852.5 | 0.10 | 1 / 12 | 23.33 | 23.43 | 0.220 | 33.01 | -9.58 |
| | 256-QAM | 1907.5 | 0.10 | 1 / 12 | 20.30 | 20.40 | 0.110 | 33.01 | -12.61 |
| 10 MHz | QPSK | 1855.0 | 0.10 | 1 / 0 | 25.00 | 25.10 | 0.324 | 33.01 | -7.91 |
| | | 1880.0 | 0.10 | 1 / 49 | 25.00 | 25.10 | 0.324 | 33.01 | -7.91 |
| | | 1905.0 | 0.10 | 1 / 0 | 24.96 | 25.06 | 0.321 | 33.01 | -7.95 |
| | 16-QAM | 1905.0 | 0.10 | 1 / 49 | 24.32 | 24.42 | 0.277 | 33.01 | -8.59 |
| | 64-QAM | 1905.0 | 0.10 | 1 / 49 | 23.63 | 23.73 | 0.236 | 33.01 | -9.28 |
| | 256-QAM | 1905.0 | 0.10 | 1 / 25 | 20.59 | 20.69 | 0.117 | 33.01 | -12.32 |
| 15 MHz | QPSK | 1857.5 | 0.10 | 1 / 37 | 25.00 | 25.10 | 0.324 | 33.01 | -7.91 |
| | | 1880.0 | 0.10 | 1 / 37 | 24.93 | 25.03 | 0.318 | 33.01 | -7.98 |
| | | 1902.5 | 0.10 | 1 / 37 | 24.87 | 24.97 | 0.314 | 33.01 | -8.04 |
| | 16-QAM | 1902.5 | 0.10 | 1 / 74 | 24.17 | 24.27 | 0.267 | 33.01 | -8.74 |
| | 64-QAM | 1902.5 | 0.10 | 1 / 37 | 23.54 | 23.64 | 0.231 | 33.01 | -9.37 |
| | 256-QAM | 1902.5 | 0.10 | 1 / 74 | 20.52 | 20.62 | 0.115 | 33.01 | -12.39 |
| 20 MHz | QPSK | 1860.0 | 0.10 | 1 / 50 | 24.94 | 25.04 | 0.319 | 33.01 | -7.97 |
| | | 1880.0 | 0.10 | 1 / 50 | 24.65 | 24.75 | 0.299 | 33.01 | -8.26 |
| | | 1900.0 | 0.10 | 1 / 50 | 25.00 | 25.10 | 0.324 | 33.01 | -7.91 |
| | 16-QAM | 1900.0 | 0.10 | 1 / 50 | 24.23 | 24.33 | 0.271 | 33.01 | -8.68 |
| | 64-QAM | 1880.0 | 0.10 | 1 / 50 | 23.62 | 23.72 | 0.236 | 33.01 | -9.29 |
| | 256-QAM | 1880.0 | 0.10 | 1 / 50 | 20.37 | 20.47 | 0.111 | 33.01 | -12.54 |

Table 7-13. Antenna 3a EIRP Data (LTE Band 2)

| | | | | | | |
|--|---|----------------------------|--|--|--|-----------------------------------|
| FCC ID: BCGA2757 |  element | PART 24 MEASUREMENT REPORT | | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090023-02-R1.BCG | Test Dates: 05/30/2022 - 08/29/2022 | EUT Type: Tablet Device | | | | |

NR Band n25

| Bandwidth | Mod. | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|--------------|-----------------|-----------------|----------------|-----------------------|--------------|--------------|------------------|-------------|
| 5 MHz | $\pi/2$ BPSK | 1852.5 | 0.10 | 1 / 0 | 25.00 | 25.10 | 0.324 | 33.01 | -7.91 |
| | | 1882.5 | 0.10 | 1 / 0 | 24.72 | 24.82 | 0.303 | 33.01 | -8.19 |
| | | 1912.5 | 0.10 | 1 / 12 | 24.94 | 25.04 | 0.319 | 33.01 | -7.97 |
| | QPSK | 1852.5 | 0.10 | 1 / 23 | 24.58 | 24.68 | 0.294 | 33.01 | -8.33 |
| | | 1882.5 | 0.10 | 1 / 12 | 24.76 | 24.86 | 0.306 | 33.01 | -8.15 |
| | | 1912.5 | 0.10 | 1 / 0 | 24.57 | 24.67 | 0.293 | 33.01 | -8.34 |
| | 16-QAM | 1882.5 | 0.10 | 1 / 0 | 23.66 | 23.76 | 0.238 | 33.01 | -9.25 |
| | 64-QAM | 1852.5 | 0.10 | 1 / 23 | 22.32 | 22.42 | 0.175 | 33.01 | -10.59 |
| | 256-QAM | 1912.5 | 0.10 | 1 / 12 | 20.18 | 20.28 | 0.107 | 33.01 | -12.73 |
| 10 MHz | $\pi/2$ BPSK | 1855.0 | 0.10 | 1 / 0 | 25.00 | 25.10 | 0.324 | 33.01 | -7.91 |
| | | 1882.5 | 0.10 | 1 / 48 | 24.71 | 24.81 | 0.303 | 33.01 | -8.20 |
| | | 1910.0 | 0.10 | 1 / 0 | 24.89 | 24.99 | 0.316 | 33.01 | -8.02 |
| | QPSK | 1855.0 | 0.10 | 1 / 25 | 24.76 | 24.86 | 0.307 | 33.01 | -8.15 |
| | | 1882.5 | 0.10 | 1 / 0 | 24.78 | 24.88 | 0.307 | 33.01 | -8.13 |
| | | 1910.0 | 0.10 | 1 / 0 | 24.82 | 24.92 | 0.310 | 33.01 | -8.09 |
| | 16-QAM | 1882.5 | 0.10 | 1 / 0 | 23.69 | 23.79 | 0.239 | 33.01 | -9.22 |
| | 64-QAM | 1855.0 | 0.10 | 1 / 48 | 22.48 | 22.58 | 0.181 | 33.01 | -10.43 |
| | 256-QAM | 1882.5 | 0.10 | 1 / 48 | 20.80 | 20.90 | 0.123 | 33.01 | -12.11 |
| 15 MHz | $\pi/2$ BPSK | 1857.5 | 0.10 | 1 / 0 | 24.99 | 25.09 | 0.323 | 33.01 | -7.92 |
| | | 1882.5 | 0.10 | 1 / 0 | 24.89 | 24.99 | 0.315 | 33.01 | -8.02 |
| | | 1907.5 | 0.10 | 1 / 37 | 25.00 | 25.10 | 0.324 | 33.01 | -7.91 |
| | QPSK | 1857.5 | 0.10 | 1 / 0 | 24.68 | 24.78 | 0.301 | 33.01 | -8.23 |
| | | 1882.5 | 0.10 | 1 / 73 | 24.94 | 25.04 | 0.319 | 33.01 | -7.97 |
| | | 1907.5 | 0.10 | 1 / 37 | 24.86 | 24.96 | 0.313 | 33.01 | -8.05 |
| | 16-QAM | 1907.5 | 0.10 | 1 / 37 | 23.69 | 23.79 | 0.239 | 33.01 | -9.22 |
| | 64-QAM | 1907.5 | 0.10 | 1 / 37 | 22.91 | 23.01 | 0.200 | 33.01 | -10.00 |
| | 256-QAM | 1857.5 | 0.10 | 1 / 0 | 20.45 | 20.55 | 0.113 | 33.01 | -12.46 |
| 20 MHz | $\pi/2$ BPSK | 1860.0 | 0.10 | 1 / 0 | 24.96 | 25.06 | 0.321 | 33.01 | -7.95 |
| | | 1882.5 | 0.10 | 1 / 98 | 25.00 | 25.10 | 0.324 | 33.01 | -7.91 |
| | | 1905.0 | 0.10 | 1 / 0 | 24.92 | 25.02 | 0.318 | 33.01 | -7.99 |
| | QPSK | 1860.0 | 0.10 | 1 / 50 | 24.84 | 24.94 | 0.312 | 33.01 | -8.07 |
| | | 1882.5 | 0.10 | 1 / 0 | 24.96 | 25.06 | 0.320 | 33.01 | -7.95 |
| | | 1905.0 | 0.10 | 1 / 0 | 24.92 | 25.02 | 0.317 | 33.01 | -7.99 |
| | 16-QAM | 1882.5 | 0.10 | 1 / 50 | 23.90 | 24.00 | 0.251 | 33.01 | -9.01 |
| | 64-QAM | 1860.0 | 0.10 | 1 / 0 | 22.98 | 23.08 | 0.203 | 33.01 | -9.93 |
| | 256-QAM | 1860.0 | 0.10 | 1 / 98 | 20.80 | 20.90 | 0.123 | 33.01 | -12.11 |
| 25 MHz | $\pi/2$ BPSK | 1862.5 | 0.10 | 1 / 0 | 25.00 | 25.10 | 0.324 | 33.01 | -7.91 |
| | | 1882.5 | 0.10 | 1 / 66 | 24.76 | 24.86 | 0.306 | 33.01 | -8.15 |
| | | 1902.5 | 0.10 | 1 / 131 | 24.62 | 24.72 | 0.297 | 33.01 | -8.29 |
| | QPSK | 1862.5 | 0.10 | 1 / 66 | 24.68 | 24.78 | 0.301 | 33.01 | -8.23 |
| | | 1882.5 | 0.10 | 1 / 0 | 24.80 | 24.90 | 0.309 | 33.01 | -8.11 |
| | | 1902.5 | 0.10 | 1 / 0 | 24.71 | 24.81 | 0.303 | 33.01 | -8.20 |
| | 16-QAM | 1882.5 | 0.10 | 1 / 0 | 23.69 | 23.79 | 0.239 | 33.01 | -9.22 |
| | 64-QAM | 1882.5 | 0.10 | 1 / 0 | 22.56 | 22.66 | 0.184 | 33.01 | -10.35 |
| | 256-QAM | 1902.5 | 0.10 | 1 / 66 | 20.25 | 20.35 | 0.108 | 33.01 | -12.66 |
| 30 MHz | $\pi/2$ BPSK | 1865.0 | 0.10 | 1 / 80 | 25.00 | 25.10 | 0.324 | 33.01 | -7.91 |
| | | 1882.5 | 0.10 | 1 / 214 | 24.76 | 24.86 | 0.306 | 33.01 | -8.15 |
| | | 1900.0 | 0.10 | 1 / 0 | 24.86 | 24.96 | 0.313 | 33.01 | -8.05 |
| | QPSK | 1865.0 | 0.10 | 1 / 80 | 24.85 | 24.95 | 0.312 | 33.01 | -8.06 |
| | | 1882.5 | 0.10 | 1 / 214 | 24.97 | 25.07 | 0.321 | 33.01 | -7.94 |
| | | 1900.0 | 0.10 | 1 / 0 | 24.93 | 25.03 | 0.319 | 33.01 | -7.98 |
| | 16-QAM | 1865.0 | 0.10 | 1 / 0 | 23.99 | 24.09 | 0.256 | 33.01 | -8.92 |
| | 64-QAM | 1900.0 | 0.10 | 1 / 0 | 22.73 | 22.83 | 0.192 | 33.01 | -10.18 |
| | 256-QAM | 1900.0 | 0.10 | 1 / 214 | 20.45 | 20.55 | 0.114 | 33.01 | -12.46 |
| 40 MHz | $\pi/2$ BPSK | 1870.0 | 0.10 | 1 / 0 | 24.76 | 24.86 | 0.306 | 33.01 | -8.15 |
| | | 1882.5 | 0.10 | 1 / 214 | 25.00 | 25.10 | 0.324 | 33.01 | -7.91 |
| | | 1895.0 | 0.10 | 1 / 0 | 24.83 | 24.93 | 0.311 | 33.01 | -8.08 |
| | QPSK | 1870.0 | 0.10 | 1 / 0 | 24.73 | 24.83 | 0.304 | 33.01 | -8.19 |
| | | 1882.5 | 0.10 | 1 / 214 | 24.93 | 25.03 | 0.318 | 33.01 | -7.98 |
| | | 1895.0 | 0.10 | 1 / 0 | 24.73 | 24.83 | 0.304 | 33.01 | -8.18 |
| | 16-QAM | 1870.0 | 0.10 | 1 / 0 | 23.75 | 23.85 | 0.242 | 33.01 | -9.16 |
| | 64-QAM | 1895.0 | 0.10 | 1 / 108 | 22.63 | 22.73 | 0.187 | 33.01 | -10.28 |
| | 256-QAM | 1895.0 | 0.10 | 1 / 108 | 20.45 | 20.55 | 0.113 | 33.01 | -12.46 |

Table 7-14. Antenna 3a EIRP Data (NR Band n25)

| | | | | | |
|--|--|----------------------------|-----------------|--|-----------------------------------|
| FCC ID: BCGA2757 | PART 24 MEASUREMENT REPORT | | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090023-02-R1.BCG | Test Dates: 05/30/2022 - 08/29/2022 | EUT Type: Tablet Device | Page 179 of 207 | | V2.1 11/9/2021 |

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NR Band n2

| Bandwidth | Mod. | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] | |
|-----------|----------|-----------------|-----------------|----------------|-----------------------|--------------|--------------|------------------|-------------|-------|
| 5 MHz | π/2 BPSK | 1852.5 | 0.10 | 1 / 23 | 25.00 | 25.10 | 0.324 | 33.01 | -7.91 | |
| | | 1880.0 | 0.10 | 1 / 12 | 24.88 | 24.98 | 0.315 | 33.01 | -8.03 | |
| | | 1907.5 | 0.10 | 1 / 0 | 24.92 | 25.02 | 0.318 | 33.01 | -7.99 | |
| | QPSK | 1852.5 | 0.10 | 1 / 0 | 24.81 | 24.91 | 0.310 | 33.01 | -8.10 | |
| | | 1880.0 | 0.10 | 1 / 12 | 24.72 | 24.82 | 0.303 | 33.01 | -8.19 | |
| | | 1907.5 | 0.10 | 1 / 23 | 24.78 | 24.88 | 0.307 | 33.01 | -8.13 | |
| | 16-QAM | 1907.5 | 0.10 | 1 / 12 | 23.91 | 24.01 | 0.252 | 33.01 | -9.00 | |
| | 64-QAM | 1907.5 | 0.10 | 1 / 0 | 22.46 | 22.56 | 0.180 | 33.01 | -10.46 | |
| | 256-QAM | 1852.5 | 0.10 | 1 / 12 | 20.84 | 20.94 | 0.124 | 33.01 | -12.07 | |
| | π/2 BPSK | 1855.0 | 0.10 | 1 / 25 | 25.00 | 25.10 | 0.324 | 33.01 | -7.91 | |
| 10 MHz | | 1880.0 | 0.10 | 1 / 25 | 24.89 | 24.99 | 0.315 | 33.01 | -8.02 | |
| | | 1905.0 | 0.10 | 1 / 0 | 24.69 | 24.79 | 0.302 | 33.01 | -8.22 | |
| QPSK | 1855.0 | 0.10 | 1 / 25 | 24.91 | 25.01 | 0.317 | 33.01 | -8.00 | | |
| | 1880.0 | 0.10 | 1 / 25 | 24.54 | 24.64 | 0.291 | 33.01 | -8.37 | | |
| | 1905.0 | 0.10 | 1 / 48 | 24.92 | 25.02 | 0.317 | 33.01 | -7.99 | | |
| 16-QAM | 1855.0 | 0.10 | 1 / 0 | 23.74 | 23.84 | 0.242 | 33.01 | -9.17 | | |
| 64-QAM | 1905.0 | 0.10 | 1 / 0 | 22.58 | 22.68 | 0.185 | 33.01 | -10.33 | | |
| 256-QAM | 1880.0 | 0.10 | 1 / 25 | 20.48 | 20.58 | 0.114 | 33.01 | -12.43 | | |
| π/2 BPSK | 1857.5 | 0.10 | 1 / 37 | 24.91 | 25.01 | 0.317 | 33.01 | -8.00 | | |
| | 15 MHz | | 1880.0 | 0.10 | 1 / 0 | 24.85 | 24.95 | 0.313 | 33.01 | -8.06 |
| | | | 1902.5 | 0.10 | 1 / 0 | 24.74 | 24.84 | 0.305 | 33.01 | -8.17 |
| QPSK | 1857.5 | 0.10 | 1 / 73 | 25.00 | 25.10 | 0.323 | 33.01 | -7.91 | | |
| | 1880.0 | 0.10 | 1 / 37 | 24.65 | 24.75 | 0.299 | 33.01 | -8.26 | | |
| | 1902.5 | 0.10 | 1 / 0 | 25.00 | 25.10 | 0.324 | 33.01 | -7.91 | | |
| 16-QAM | 1902.5 | 0.10 | 1 / 73 | 24.03 | 24.13 | 0.259 | 33.01 | -8.88 | | |
| 64-QAM | 1902.5 | 0.10 | 1 / 73 | 22.46 | 22.56 | 0.180 | 33.01 | -10.45 | | |
| 256-QAM | 1857.5 | 0.10 | 1 / 0 | 20.44 | 20.54 | 0.113 | 33.01 | -12.47 | | |
| π/2 BPSK | 1860.0 | 0.10 | 1 / 98 | 24.99 | 25.09 | 0.323 | 33.01 | -7.92 | | |
| | 20 MHz | | 1880.0 | 0.10 | 1 / 50 | 24.83 | 24.93 | 0.311 | 33.01 | -8.08 |
| | | | 1900.0 | 0.10 | 1 / 50 | 24.34 | 24.44 | 0.278 | 33.01 | -8.57 |
| QPSK | 1860.0 | 0.10 | 1 / 50 | 24.80 | 24.90 | 0.309 | 33.01 | -8.11 | | |
| | 1880.0 | 0.10 | 1 / 98 | 24.85 | 24.95 | 0.313 | 33.01 | -8.06 | | |
| | 1900.0 | 0.10 | 1 / 50 | 25.00 | 25.10 | 0.324 | 33.01 | -7.91 | | |
| 16-QAM | 1860.0 | 0.10 | 1 / 50 | 23.79 | 23.89 | 0.245 | 33.01 | -9.12 | | |
| 64-QAM | 1860.0 | 0.10 | 1 / 0 | 22.61 | 22.71 | 0.186 | 33.01 | -10.30 | | |
| 256-QAM | 1880.0 | 0.10 | 1 / 98 | 20.31 | 20.41 | 0.110 | 33.01 | -12.60 | | |

Table 7-15. Antenna 3a EIRP Data (NR Band n2)

| Frequency [MHz] | Mode | Conducted Power [dBm] | Ant. Gain [dBi] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------------|-----------|-----------------------|-----------------|--------------|--------------|------------------|-------------|
| 1852.40 | WCDMA1900 | 24.93 | 0.10 | 25.03 | 0.318 | 33.01 | -7.98 |
| 1880.00 | WCDMA1900 | 24.98 | 0.10 | 25.08 | 0.322 | 33.01 | -7.93 |
| 1907.60 | WCDMA1900 | 24.93 | 0.10 | 25.03 | 0.319 | 33.01 | -7.98 |

Table 7-16. Antenna 3a EIRP Data (WCDMA PCS)

| | | | | | | |
|--|--|----------------------------|--|--|--|-----------------------------------|
| FCC ID: BCGA2757 | element | PART 24 MEASUREMENT REPORT | | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090023-02-R1.BCG | Test Dates: 05/30/2022 - 08/29/2022 | EUT Type: Tablet Device | | | | |

7.6.4 Antenna 1b – EIRP

LTE Band 25

| Bandwidth | Mod. | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|--------|-----------------|-----------------|----------------|-----------------------|------------|--------------|------------------|-------------|
| 1.4 MHz | QPSK | 1850.7 | -0.60 | 1 / 3 | 23.69 | 23.09 | 0.204 | 33.01 | -9.92 |
| | | 1882.5 | -0.60 | 1 / 5 | 23.70 | 23.10 | 0.204 | 33.01 | -9.91 |
| | | 1914.3 | -0.60 | 1 / 3 | 23.52 | 22.92 | 0.196 | 33.01 | -10.09 |
| | 16-QAM | 1882.5 | -0.60 | 1 / 3 | 23.39 | 22.79 | 0.190 | 33.01 | -10.22 |
| | | 1882.5 | -0.60 | 1 / 3 | 23.29 | 22.69 | 0.186 | 33.01 | -10.32 |
| | | 1882.5 | -0.60 | 1 / 3 | 23.33 | 22.73 | 0.187 | 33.01 | -10.28 |
| | 3 MHz | 1851.5 | -0.60 | 1 / 14 | 23.63 | 23.03 | 0.201 | 33.01 | -9.98 |
| | | 1882.5 | -0.60 | 1 / 14 | 23.70 | 23.10 | 0.204 | 33.01 | -9.91 |
| | | 1913.5 | -0.60 | 1 / 14 | 23.57 | 22.97 | 0.198 | 33.01 | -10.04 |
| | 5 MHz | 1882.5 | -0.60 | 1 / 14 | 23.22 | 22.62 | 0.183 | 33.01 | -10.39 |
| | | 1882.5 | -0.60 | 1 / 14 | 23.20 | 22.60 | 0.182 | 33.01 | -10.41 |
| | | 1882.5 | -0.60 | 1 / 14 | 23.18 | 22.58 | 0.181 | 33.01 | -10.43 |
| | 10 MHz | 1852.5 | -0.60 | 1 / 12 | 23.61 | 23.01 | 0.200 | 33.01 | -10.00 |
| | | 1882.5 | -0.60 | 1 / 12 | 23.70 | 23.10 | 0.204 | 33.01 | -9.91 |
| | | 1912.5 | -0.60 | 1 / 0 | 23.36 | 22.76 | 0.189 | 33.01 | -10.25 |
| | 15 MHz | 1882.5 | -0.60 | 1 / 12 | 23.28 | 22.68 | 0.185 | 33.01 | -10.33 |
| | | 1882.5 | -0.60 | 1 / 12 | 23.24 | 22.64 | 0.184 | 33.01 | -10.37 |
| | | 1882.5 | -0.60 | 1 / 24 | 23.23 | 22.63 | 0.183 | 33.01 | -10.38 |
| | 20 MHz | 1855.0 | -0.60 | 1 / 25 | 23.70 | 23.10 | 0.204 | 33.01 | -9.91 |
| | | 1882.5 | -0.60 | 1 / 49 | 23.69 | 23.09 | 0.204 | 33.01 | -9.92 |
| | | 1910.0 | -0.60 | 1 / 0 | 23.60 | 23.00 | 0.200 | 33.01 | -10.01 |
| | 25 MHz | 1882.5 | -0.60 | 1 / 0 | 23.22 | 22.62 | 0.183 | 33.01 | -10.39 |
| | | 1882.5 | -0.60 | 1 / 0 | 23.21 | 22.61 | 0.182 | 33.01 | -10.40 |
| | | 1882.5 | -0.60 | 1 / 0 | 23.19 | 22.59 | 0.182 | 33.01 | -10.42 |
| | 30 MHz | 1857.5 | -0.60 | 1 / 37 | 23.70 | 23.10 | 0.204 | 33.01 | -9.91 |
| | | 1882.5 | -0.60 | 1 / 37 | 23.67 | 23.07 | 0.203 | 33.01 | -9.94 |
| | | 1907.5 | -0.60 | 1 / 37 | 23.48 | 22.88 | 0.194 | 33.01 | -10.13 |
| | 35 MHz | 1882.5 | -0.60 | 1 / 37 | 23.13 | 22.53 | 0.179 | 33.01 | -10.48 |
| | | 1882.5 | -0.60 | 1 / 37 | 23.14 | 22.54 | 0.179 | 33.01 | -10.47 |
| | | 1882.5 | -0.60 | 1 / 37 | 23.16 | 22.56 | 0.180 | 33.01 | -10.45 |
| | 40 MHz | 1860.0 | -0.60 | 1 / 99 | 23.70 | 23.10 | 0.204 | 33.01 | -9.91 |
| | | 1882.5 | -0.60 | 1 / 50 | 23.43 | 22.83 | 0.192 | 33.01 | -10.18 |
| | | 1905.0 | -0.60 | 1 / 50 | 23.65 | 23.05 | 0.202 | 33.01 | -9.96 |
| | | 1905.0 | -0.60 | 1 / 50 | 23.26 | 22.66 | 0.185 | 33.01 | -10.35 |
| | | 1905.0 | -0.60 | 1 / 50 | 23.30 | 22.70 | 0.186 | 33.01 | -10.31 |
| | | 1905.0 | -0.60 | 1 / 50 | 23.28 | 22.68 | 0.185 | 33.01 | -10.33 |

Table 7-17. Antenna 1b EIRP Data (LTE Band 25)

| | | | | | |
|--|---|----------------------------|--|--|-----------------------------------|
| FCC ID: BCGA2757 |  element | PART 24 MEASUREMENT REPORT | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090023-02-R1.BCG | Test Dates: 05/30/2022 - 08/29/2022 | EUT Type: Tablet Device | | | |

LTE Band 2

| Bandwidth | Mod. | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|--------|-----------------|-----------------|----------------|-----------------------|------------|--------------|------------------|-------------|
| 1.4 MHz | QPSK | 1850.7 | -0.60 | 1 / 3 | 23.59 | 22.99 | 0.199 | 33.01 | -10.02 |
| | | 1880.0 | -0.60 | 1 / 3 | 23.57 | 22.97 | 0.198 | 33.01 | -10.04 |
| | | 1909.3 | -0.60 | 1 / 3 | 23.70 | 23.10 | 0.204 | 33.01 | -9.91 |
| | 16-QAM | 1850.7 | -0.60 | 1 / 3 | 22.81 | 22.21 | 0.166 | 33.01 | -10.80 |
| | | 1909.3 | -0.60 | 1 / 3 | 22.09 | 21.49 | 0.141 | 33.01 | -11.52 |
| | | 1880.0 | -0.60 | 1 / 3 | 19.20 | 18.60 | 0.072 | 33.01 | -14.41 |
| 3 MHz | QPSK | 1851.5 | -0.60 | 1 / 14 | 23.66 | 23.06 | 0.202 | 33.01 | -9.95 |
| | | 1880.0 | -0.60 | 1 / 14 | 23.70 | 23.10 | 0.204 | 33.01 | -9.91 |
| | | 1908.5 | -0.60 | 1 / 14 | 23.59 | 22.99 | 0.199 | 33.01 | -10.02 |
| | 16-QAM | 1908.5 | -0.60 | 1 / 7 | 22.97 | 22.37 | 0.173 | 33.01 | -10.64 |
| | | 1908.5 | -0.60 | 1 / 7 | 22.30 | 21.70 | 0.148 | 33.01 | -11.31 |
| | | 1880.0 | -0.60 | 1 / 14 | 19.27 | 18.67 | 0.074 | 33.01 | -14.34 |
| 5 MHz | QPSK | 1852.5 | -0.60 | 1 / 12 | 23.57 | 22.97 | 0.198 | 33.01 | -10.04 |
| | | 1880.0 | -0.60 | 1 / 24 | 23.70 | 23.10 | 0.204 | 33.01 | -9.91 |
| | | 1907.5 | -0.60 | 1 / 12 | 23.44 | 22.84 | 0.192 | 33.01 | -10.17 |
| | 16-QAM | 1880.0 | -0.60 | 1 / 12 | 23.01 | 22.41 | 0.174 | 33.01 | -10.60 |
| | | 1852.5 | -0.60 | 1 / 12 | 22.01 | 21.41 | 0.138 | 33.01 | -11.60 |
| | | 1852.5 | -0.60 | 1 / 12 | 19.04 | 18.44 | 0.070 | 33.01 | -14.57 |
| 10 MHz | QPSK | 1855.0 | -0.60 | 1 / 0 | 23.65 | 23.05 | 0.202 | 33.01 | -9.96 |
| | | 1880.0 | -0.60 | 1 / 49 | 23.70 | 23.10 | 0.204 | 33.01 | -9.91 |
| | | 1905.0 | -0.60 | 1 / 49 | 23.67 | 23.07 | 0.203 | 33.01 | -9.94 |
| | 16-QAM | 1905.0 | -0.60 | 1 / 0 | 23.02 | 22.42 | 0.175 | 33.01 | -10.59 |
| | | 1905.0 | -0.60 | 1 / 49 | 22.32 | 21.72 | 0.149 | 33.01 | -11.29 |
| | | 1880.0 | -0.60 | 1 / 25 | 19.39 | 18.79 | 0.076 | 33.01 | -14.22 |
| 15 MHz | QPSK | 1857.5 | -0.60 | 1 / 37 | 23.70 | 23.10 | 0.204 | 33.01 | -9.91 |
| | | 1880.0 | -0.60 | 1 / 37 | 23.56 | 22.96 | 0.198 | 33.01 | -10.05 |
| | | 1902.5 | -0.60 | 1 / 37 | 23.48 | 22.88 | 0.194 | 33.01 | -10.13 |
| | 16-QAM | 1902.5 | -0.60 | 1 / 37 | 22.79 | 22.19 | 0.166 | 33.01 | -10.82 |
| | | 1902.5 | -0.60 | 1 / 37 | 22.17 | 21.57 | 0.144 | 33.01 | -11.44 |
| | | 1880.0 | -0.60 | 1 / 37 | 19.21 | 18.61 | 0.073 | 33.01 | -14.40 |
| 20 MHz | QPSK | 1860.0 | -0.60 | 1 / 50 | 23.38 | 22.78 | 0.190 | 33.01 | -10.23 |
| | | 1880.0 | -0.60 | 1 / 50 | 23.70 | 23.10 | 0.204 | 33.01 | -9.91 |
| | | 1900.0 | -0.60 | 1 / 50 | 23.59 | 22.99 | 0.199 | 33.01 | -10.02 |
| | 16-QAM | 1880.0 | -0.60 | 1 / 99 | 22.90 | 22.30 | 0.170 | 33.01 | -10.71 |
| | | 1860.0 | -0.60 | 1 / 50 | 22.37 | 21.77 | 0.150 | 33.01 | -11.24 |
| | | 1860.0 | -0.60 | 1 / 50 | 19.11 | 18.51 | 0.071 | 33.01 | -14.50 |

Table 7-18. Antenna 1b EIRP Data (LTE Band 2)

| FCC ID: BCGA2757 | element | PART 24 MEASUREMENT REPORT | | | | Approved by: Technical Manager |
|--|--|----------------------------|--|--|--|-----------------------------------|
| Test Report S/N: 1C2205090023-02-R1.BCG | Test Dates: 05/30/2022 - 08/29/2022 | EUT Type: Tablet Device | | | | Page 182 of 207 |

NR Band 25

| Bandwidth | Mod. | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|--------------|-----------------|-----------------|----------------|-----------------------|--------------|--------------|------------------|-------------|
| 5 MHz | $\pi/2$ BPSK | 1852.5 | -0.60 | 1 / 23 | 23.30 | 22.70 | 0.186 | 33.01 | -10.31 |
| | | 1882.5 | -0.60 | 1 / 23 | 23.40 | 22.80 | 0.191 | 33.01 | -10.21 |
| | | 1912.5 | -0.60 | 1 / 12 | 23.33 | 22.73 | 0.187 | 33.01 | -10.28 |
| | QPSK | 1852.5 | -0.60 | 1 / 23 | 23.70 | 23.10 | 0.204 | 33.01 | -9.91 |
| | | 1882.5 | -0.60 | 1 / 0 | 23.30 | 22.70 | 0.186 | 33.01 | -10.31 |
| | | 1912.5 | -0.60 | 1 / 0 | 23.33 | 22.73 | 0.187 | 33.01 | -10.28 |
| | 16-QAM | 1852.5 | -0.60 | 1 / 23 | 22.60 | 22.00 | 0.159 | 33.01 | -11.01 |
| | | 1882.5 | -0.60 | 1 / 0 | 20.80 | 20.20 | 0.105 | 33.01 | -12.81 |
| | | 1912.5 | -0.60 | 1 / 23 | 18.71 | 18.11 | 0.065 | 33.01 | -14.90 |
| 10 MHz | $\pi/2$ BPSK | 1855.0 | -0.60 | 1 / 48 | 23.52 | 22.92 | 0.196 | 33.01 | -10.09 |
| | | 1882.5 | -0.60 | 1 / 0 | 23.58 | 22.98 | 0.198 | 33.01 | -10.03 |
| | | 1910.0 | -0.60 | 1 / 0 | 23.70 | 23.10 | 0.204 | 33.01 | -9.91 |
| | QPSK | 1855.0 | -0.60 | 1 / 25 | 23.62 | 23.02 | 0.200 | 33.01 | -9.99 |
| | | 1882.5 | -0.60 | 1 / 25 | 23.50 | 22.90 | 0.195 | 33.01 | -10.11 |
| | | 1910.0 | -0.60 | 1 / 0 | 23.64 | 23.04 | 0.201 | 33.01 | -9.98 |
| | 16-QAM | 1855.0 | -0.60 | 1 / 48 | 22.80 | 22.20 | 0.166 | 33.01 | -10.81 |
| | | 1882.5 | -0.60 | 1 / 25 | 20.94 | 20.34 | 0.108 | 33.01 | -12.67 |
| | | 1882.5 | -0.60 | 1 / 48 | 18.98 | 18.38 | 0.069 | 33.01 | -14.63 |
| 15 MHz | $\pi/2$ BPSK | 1857.5 | -0.60 | 1 / 0 | 23.59 | 22.99 | 0.199 | 33.01 | -10.02 |
| | | 1882.5 | -0.60 | 1 / 37 | 23.70 | 23.10 | 0.204 | 33.01 | -9.91 |
| | | 1907.5 | -0.60 | 1 / 0 | 23.68 | 23.08 | 0.203 | 33.01 | -9.93 |
| | QPSK | 1857.5 | -0.60 | 1 / 0 | 23.51 | 22.91 | 0.195 | 33.01 | -10.10 |
| | | 1882.5 | -0.60 | 1 / 73 | 23.44 | 22.84 | 0.192 | 33.01 | -10.17 |
| | | 1907.5 | -0.60 | 1 / 0 | 23.53 | 22.93 | 0.197 | 33.01 | -10.08 |
| | 16-QAM | 1907.5 | -0.60 | 1 / 37 | 22.58 | 21.98 | 0.158 | 33.01 | -11.03 |
| | | 1882.5 | -0.60 | 1 / 0 | 20.88 | 20.28 | 0.107 | 33.01 | -12.73 |
| | | 256-QAM | -0.60 | 1 / 73 | 18.91 | 18.31 | 0.068 | 33.01 | -14.70 |
| 20 MHz | $\pi/2$ BPSK | 1860.0 | -0.60 | 1 / 50 | 23.16 | 22.56 | 0.180 | 33.01 | -10.45 |
| | | 1882.5 | -0.60 | 1 / 0 | 23.41 | 22.81 | 0.191 | 33.01 | -10.20 |
| | | 1905.0 | -0.60 | 1 / 0 | 23.45 | 22.85 | 0.193 | 33.01 | -10.16 |
| | QPSK | 1860.0 | -0.60 | 1 / 0 | 23.70 | 23.10 | 0.204 | 33.01 | -9.91 |
| | | 1882.5 | -0.60 | 1 / 50 | 23.23 | 22.63 | 0.183 | 33.01 | -10.38 |
| | | 1905.0 | -0.60 | 1 / 0 | 23.32 | 22.72 | 0.187 | 33.01 | -10.30 |
| | 16-QAM | 1905.0 | -0.60 | 1 / 0 | 22.47 | 21.87 | 0.154 | 33.01 | -11.14 |
| | | 1882.5 | -0.60 | 1 / 50 | 20.56 | 19.96 | 0.099 | 33.01 | -13.05 |
| | | 256-QAM | -0.60 | 1 / 0 | 18.52 | 17.92 | 0.062 | 33.01 | -15.09 |
| 25 MHz | $\pi/2$ BPSK | 1862.5 | -0.60 | 1 / 0 | 23.70 | 23.10 | 0.204 | 33.01 | -9.91 |
| | | 1882.5 | -0.60 | 1 / 131 | 23.32 | 22.72 | 0.187 | 33.01 | -10.29 |
| | | 1902.5 | -0.60 | 1 / 131 | 23.55 | 22.95 | 0.197 | 33.01 | -10.06 |
| | QPSK | 1862.5 | -0.60 | 1 / 0 | 23.48 | 22.88 | 0.194 | 33.01 | -10.13 |
| | | 1882.5 | -0.60 | 1 / 66 | 23.41 | 22.81 | 0.191 | 33.01 | -10.20 |
| | | 1902.5 | -0.60 | 1 / 131 | 23.34 | 22.74 | 0.188 | 33.01 | -10.27 |
| | 16-QAM | 1902.5 | -0.60 | 1 / 0 | 22.92 | 22.32 | 0.171 | 33.01 | -10.69 |
| | | 1882.5 | -0.60 | 1 / 131 | 20.92 | 20.32 | 0.108 | 33.01 | -12.69 |
| | | 256-QAM | -0.60 | 1 / 131 | 19.09 | 18.49 | 0.071 | 33.01 | -14.52 |
| 30 MHz | $\pi/2$ BPSK | 1865.0 | -0.60 | 1 / 214 | 23.32 | 22.72 | 0.187 | 33.01 | -10.29 |
| | | 1882.5 | -0.60 | 1 / 80 | 23.70 | 23.10 | 0.204 | 33.01 | -9.91 |
| | | 1900.0 | -0.60 | 1 / 80 | 23.52 | 22.92 | 0.196 | 33.01 | -10.09 |
| | QPSK | 1865.0 | -0.60 | 1 / 214 | 23.49 | 22.89 | 0.195 | 33.01 | -10.12 |
| | | 1882.5 | -0.60 | 1 / 0 | 23.52 | 22.92 | 0.196 | 33.01 | -10.09 |
| | | 1900.0 | -0.60 | 1 / 214 | 23.43 | 22.83 | 0.192 | 33.01 | -10.18 |
| | 16-QAM | 1900.0 | -0.60 | 1 / 80 | 22.49 | 21.89 | 0.154 | 33.01 | -11.12 |
| | | 1865.0 | -0.60 | 1 / 214 | 21.00 | 20.40 | 0.110 | 33.01 | -12.61 |
| | | 256-QAM | -0.60 | 1 / 0 | 18.54 | 17.94 | 0.062 | 33.01 | -15.07 |
| 40 MHz | $\pi/2$ BPSK | 1870.0 | -0.60 | 1 / 214 | 23.22 | 22.62 | 0.183 | 33.01 | -10.39 |
| | | 1882.5 | -0.60 | 1 / 0 | 23.38 | 22.78 | 0.190 | 33.01 | -10.23 |
| | | 1895.0 | -0.60 | 1 / 108 | 23.06 | 22.46 | 0.176 | 33.01 | -10.56 |
| | QPSK | 1870.0 | -0.60 | 1 / 214 | 23.70 | 23.10 | 0.204 | 33.01 | -9.91 |
| | | 1882.5 | -0.60 | 1 / 214 | 23.08 | 22.48 | 0.177 | 33.01 | -10.53 |
| | | 1895.0 | -0.60 | 1 / 0 | 23.51 | 22.91 | 0.195 | 33.01 | -10.10 |
| | 16-QAM | 1882.5 | -0.60 | 1 / 214 | 22.44 | 21.84 | 0.153 | 33.01 | -11.17 |
| | | 1895.0 | -0.60 | 1 / 214 | 20.82 | 20.22 | 0.105 | 33.01 | -12.79 |
| | | 256-QAM | -0.60 | 1 / 108 | 18.51 | 17.91 | 0.062 | 33.01 | -15.10 |

Table 7-19. Antenna 1b EIRP Data (NR Band n25)

| | | | | | |
|--|--|----------------------------|--|--|-----------------------------------|
| FCC ID: BCGA2757 | PART 24 MEASUREMENT REPORT | | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090023-02-R1.BCG | Test Dates: 05/30/2022 - 08/29/2022 | EUT Type: Tablet Device | | | |

NR Band 2

| Bandwidth | Mod. | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|----------|-----------------|-----------------|----------------|-----------------------|------------|--------------|------------------|-------------|
| 5 MHz | π/2 BPSK | 1852.5 | -0.60 | 1 / 12 | 23.52 | 22.92 | 0.196 | 33.01 | -10.09 |
| | | 1880.0 | -0.60 | 1 / 12 | 23.31 | 22.71 | 0.187 | 33.01 | -10.30 |
| | | 1907.5 | -0.60 | 1 / 23 | 23.53 | 22.93 | 0.196 | 33.01 | -10.08 |
| | QPSK | 1852.5 | -0.60 | 1 / 23 | 23.70 | 23.10 | 0.204 | 33.01 | -9.91 |
| | | 1880.0 | -0.60 | 1 / 0 | 23.33 | 22.73 | 0.187 | 33.01 | -10.28 |
| | | 1907.5 | -0.60 | 1 / 12 | 23.53 | 22.93 | 0.196 | 33.01 | -10.08 |
| | 16-QAM | 1852.5 | -0.60 | 1 / 23 | 22.71 | 22.11 | 0.163 | 33.01 | -10.90 |
| | | 1880.0 | -0.60 | 1 / 23 | 20.86 | 20.26 | 0.106 | 33.01 | -12.75 |
| | | 1880.0 | -0.60 | 1 / 23 | 18.85 | 18.25 | 0.067 | 33.01 | -14.76 |
| 10 MHz | π/2 BPSK | 1855.0 | -0.60 | 1 / 0 | 23.42 | 22.82 | 0.192 | 33.01 | -10.19 |
| | | 1880.0 | -0.60 | 1 / 25 | 23.49 | 22.89 | 0.195 | 33.01 | -10.12 |
| | | 1905.0 | -0.60 | 1 / 0 | 23.53 | 22.93 | 0.196 | 33.01 | -10.08 |
| | QPSK | 1855.0 | -0.60 | 1 / 25 | 23.70 | 23.10 | 0.204 | 33.01 | -9.91 |
| | | 1880.0 | -0.60 | 1 / 48 | 23.37 | 22.77 | 0.189 | 33.01 | -10.24 |
| | | 1905.0 | -0.60 | 1 / 25 | 23.34 | 22.74 | 0.188 | 33.01 | -10.27 |
| | 16-QAM | 1880.0 | -0.60 | 1 / 48 | 22.70 | 22.10 | 0.162 | 33.01 | -10.91 |
| | | 1880.0 | -0.60 | 1 / 48 | 21.05 | 20.45 | 0.111 | 33.01 | -12.56 |
| | | 1880.0 | -0.60 | 1 / 0 | 18.88 | 18.28 | 0.067 | 33.01 | -14.73 |
| 15 MHz | π/2 BPSK | 1857.5 | -0.60 | 1 / 73 | 23.58 | 22.98 | 0.199 | 33.01 | -10.03 |
| | | 1880.0 | -0.60 | 1 / 0 | 23.55 | 22.95 | 0.197 | 33.01 | -10.06 |
| | | 1902.5 | -0.60 | 1 / 0 | 23.70 | 23.10 | 0.204 | 33.01 | -9.91 |
| | QPSK | 1857.5 | -0.60 | 1 / 0 | 23.67 | 23.07 | 0.203 | 33.01 | -9.94 |
| | | 1880.0 | -0.60 | 1 / 73 | 23.68 | 23.08 | 0.203 | 33.01 | -9.93 |
| | | 1902.5 | -0.60 | 1 / 73 | 23.69 | 23.09 | 0.204 | 33.01 | -9.92 |
| | 16-QAM | 1880.0 | -0.60 | 1 / 37 | 23.01 | 22.41 | 0.174 | 33.01 | -10.60 |
| | | 1902.5 | -0.60 | 1 / 73 | 21.41 | 20.81 | 0.120 | 33.01 | -12.20 |
| | | 1902.5 | -0.60 | 1 / 0 | 19.09 | 18.49 | 0.071 | 33.01 | -14.52 |
| 20 MHz | π/2 BPSK | 1860.0 | -0.60 | 1 / 0 | 23.11 | 22.51 | 0.178 | 33.01 | -10.50 |
| | | 1880.0 | -0.60 | 1 / 50 | 23.70 | 23.10 | 0.204 | 33.01 | -9.91 |
| | | 1900.0 | -0.60 | 1 / 0 | 23.32 | 22.72 | 0.187 | 33.01 | -10.29 |
| | QPSK | 1860.0 | -0.60 | 1 / 0 | 23.16 | 22.56 | 0.180 | 33.01 | -10.45 |
| | | 1880.0 | -0.60 | 1 / 98 | 23.13 | 22.53 | 0.179 | 33.01 | -10.48 |
| | | 1900.0 | -0.60 | 1 / 0 | 23.22 | 22.62 | 0.183 | 33.01 | -10.40 |
| | 16-QAM | 1860.0 | -0.60 | 1 / 0 | 22.60 | 22.00 | 0.158 | 33.01 | -11.02 |
| | | 1880.0 | -0.60 | 1 / 50 | 20.55 | 19.95 | 0.099 | 33.01 | -13.06 |
| | | 1900.0 | -0.60 | 1 / 50 | 18.48 | 17.88 | 0.061 | 33.01 | -15.13 |

Table 7-20. Antenna 1b EIRP Data (NR Band n2)

| Frequency [MHz] | Mode | Conducted Power [dBm] | Ant. Gain [dBi] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------------|-----------|-----------------------|-----------------|------------|--------------|------------------|-------------|
| 1852.40 | WCDMA1900 | 23.56 | -0.60 | 22.96 | 0.198 | 33.01 | -10.05 |
| 1880.00 | WCDMA1900 | 23.65 | -0.60 | 23.05 | 0.202 | 33.01 | -9.96 |
| 1907.60 | WCDMA1900 | 23.65 | -0.60 | 23.05 | 0.202 | 33.01 | -9.96 |

Table 7-21. Antenna 1b EIRP Data (WCDMA PCS)

| | | | | | | |
|--|--|----------------------------|--|--|--|-----------------------------------|
| FCC ID: BCGA2757 | element | PART 24 MEASUREMENT REPORT | | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090023-02-R1.BCG | Test Dates: 05/30/2022 - 08/29/2022 | EUT Type: Tablet Device | | | | |

7.7 Radiated Spurious Emissions

§2.1053, 24.238(a)

Test Overview

Radiated spurious emissions measurements are performed using the field strength conversion method described in KDB 971168 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using horizontally and vertically polarized tuned dipole antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed as peak measurements while the EUT is operating at maximum power, and at the appropriate frequencies.

Test Procedures Used

KDB 971168 D01 v03r01 – Section 5.8

Test Settings

1. RBW = 100kHz for emissions below 1GHz and 1MHz for emissions above 1GHz
2. VBW \geq 3 x RBW
3. Span = 1.5 times the OBW
4. No. of sweep points \geq 2 x span / RBW
5. Detector = RMS
6. Trace mode = Average (Max Hold for pulsed emissions)
7. The trace was allowed to stabilize

| | | | | |
|--|---|----------------------------|-----------------|-----------------------------------|
| FCC ID: BCGA2757 |  element | PART 24 MEASUREMENT REPORT | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090023-02-R1.BCG | Test Dates: 05/30/2022 - 08/29/2022 | EUT Type: Tablet Device | Page 185 of 207 | |

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

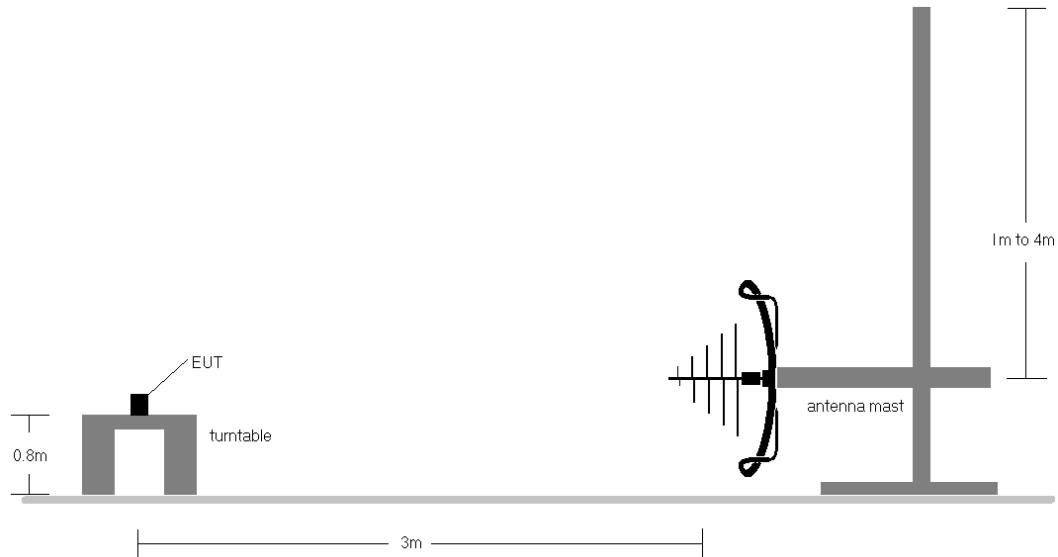


Figure 7-6. Test Instrument & Measurement Setup < 1GHz

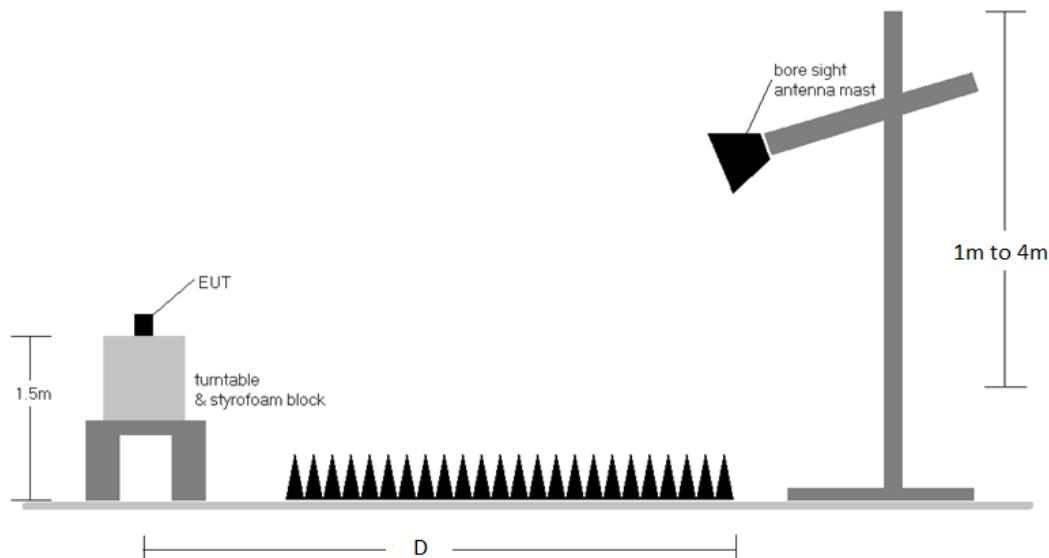


Figure 7-7. Test Instrument & Measurement Setup > 1 GHz

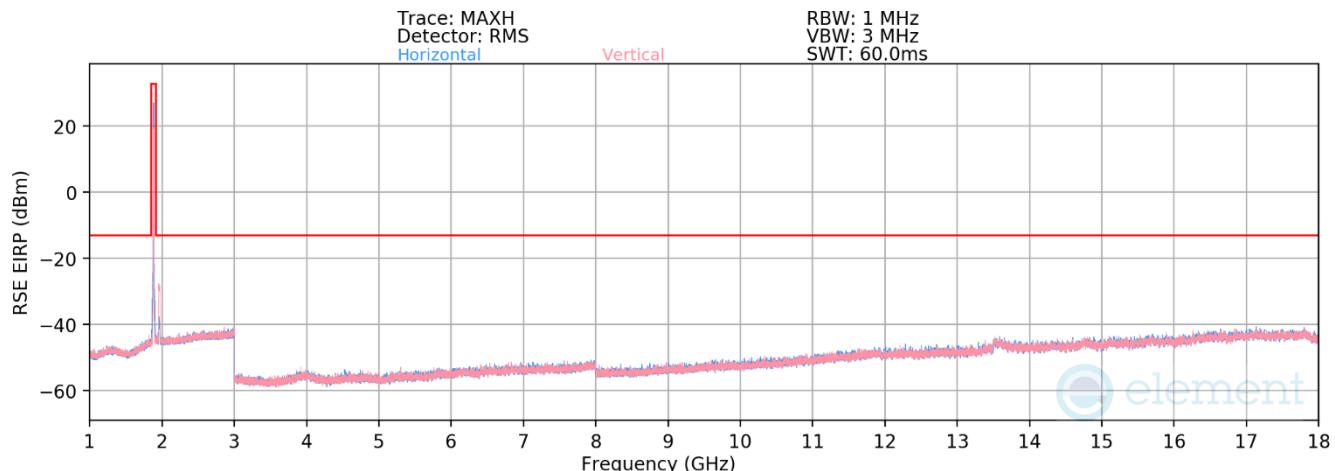
| | | | | |
|--|---|----------------------------|-----------------|-----------------------------------|
| FCC ID: BCGA2757 |  element | PART 24 MEASUREMENT REPORT | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090023-02-R1.BCG | Test Dates: 05/30/2022 - 08/29/2022 | EUT Type: Tablet Device | Page 186 of 207 | |

Test Notes

1. Field strengths are calculated using the Measurement quantity conversions in KDB 971168 Section 5.8.4.
 - a. $E(\text{dB}\mu\text{V}/\text{m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - b. $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V}/\text{m}) + 20\log D - 104.8$; where D is the measurement distance in meters.
2. This device employs UMTS technology with WCDMA (AMR/RMC) and HSDPA capabilities. The EUT was tested under all configurations and the highest power is reported in WCDMA mode with HSDPA Inactive at 12.2 kbps RMC and TPC bits all set to "1".
3. The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
4. This unit was tested with its standard battery.
5. The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
6. D is the measurement test distance and emissions 1-18GHz were measured at a 3 meters test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
7. No significant emissions were found for below 1GHz and Above 18GHz measurement.
8. The "-" shown in the following RSE tables are used to denote a noise floor measurement.
9. For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.
10. Spurious emission in EN-DC Operating mode with Sub 6GHz NR carrier as well as an LTE carrier (anchor) has been checked and was found to not to be the worst case.
11. NR band n25 overlaps the entire frequency range of NR band 2. Therefore, the radiated emissions data of NR band n25 provided in this report covers NR band n2.

| | | | | |
|--|---|----------------------------|-----------------|-----------------------------------|
| FCC ID: BCGA2757 |  element | PART 24 MEASUREMENT REPORT | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090023-02-R1.BCG | Test Dates: 05/30/2022 - 08/29/2022 | EUT Type: Tablet Device | Page 187 of 207 | |

7.7.1 Antenna 4 – Radiated Spurious Emission Measurement LTE Band 25/2



| | | | | |
|--|---|----------------------------|-----------------|-----------------------------------|
| FCC ID: BCGA2757 |  element | PART 24 MEASUREMENT REPORT | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090023-02-R1.BCG | Test Dates: 05/30/2022 - 08/29/2022 | EUT Type: Tablet Device | Page 188 of 207 | |

| | |
|------------------|--------|
| Bandwidth (MHz): | 20 |
| Frequency (MHz): | 1860.0 |
| RB / Offset: | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|------------------------------------|-------------|-------------|
| 3720.0 | H | 214 | 41 | -77.00 | 3.31 | 33.31 | -61.95 | -13.00 | -48.95 |
| 5580.0 | H | - | - | -78.13 | 5.12 | 33.99 | -61.27 | -13.00 | -48.27 |
| 7440.0 | H | - | - | -79.70 | 8.59 | 35.89 | -59.37 | -13.00 | -46.37 |
| 9300.0 | H | - | - | -82.94 | 11.57 | 35.63 | -59.62 | -13.00 | -46.62 |

Table 7-22. Antenna 4 Radiated Spurious Data (LTE Band 25/2 – Low Channel)

| | |
|------------------|--------|
| Bandwidth (MHz): | 20 |
| Frequency (MHz): | 1882.5 |
| RB / Offset: | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|------------------------------------|-------------|-------------|
| 3765.0 | H | 102 | 158 | -70.14 | 2.90 | 39.76 | -55.50 | -13.00 | -42.50 |
| 5647.5 | H | - | - | -72.01 | 4.91 | 39.90 | -55.36 | -13.00 | -42.36 |
| 7530.0 | H | - | - | -70.73 | 8.95 | 45.22 | -50.04 | -13.00 | -37.04 |
| 9412.5 | H | - | - | -71.72 | 12.23 | 47.51 | -47.75 | -13.00 | -34.75 |

Table 7-23. Antenna 4 Radiated Spurious Data (LTE Band 25/2 – Mid Channel)

| | |
|------------------|--------|
| Bandwidth (MHz): | 20 |
| Frequency (MHz): | 1905.0 |
| RB / Offset: | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|------------------------------------|-------------|-------------|
| 3810.0 | H | 105 | 153 | -72.36 | 3.50 | 38.14 | -57.12 | -13.00 | -44.12 |
| 5715.0 | H | - | - | -78.26 | 5.82 | 34.56 | -60.69 | -13.00 | -47.69 |
| 7620.0 | H | - | - | -80.18 | 9.00 | 35.82 | -59.44 | -13.00 | -46.44 |
| 9525.0 | H | - | - | -82.46 | 12.42 | 36.96 | -58.30 | -13.00 | -45.30 |

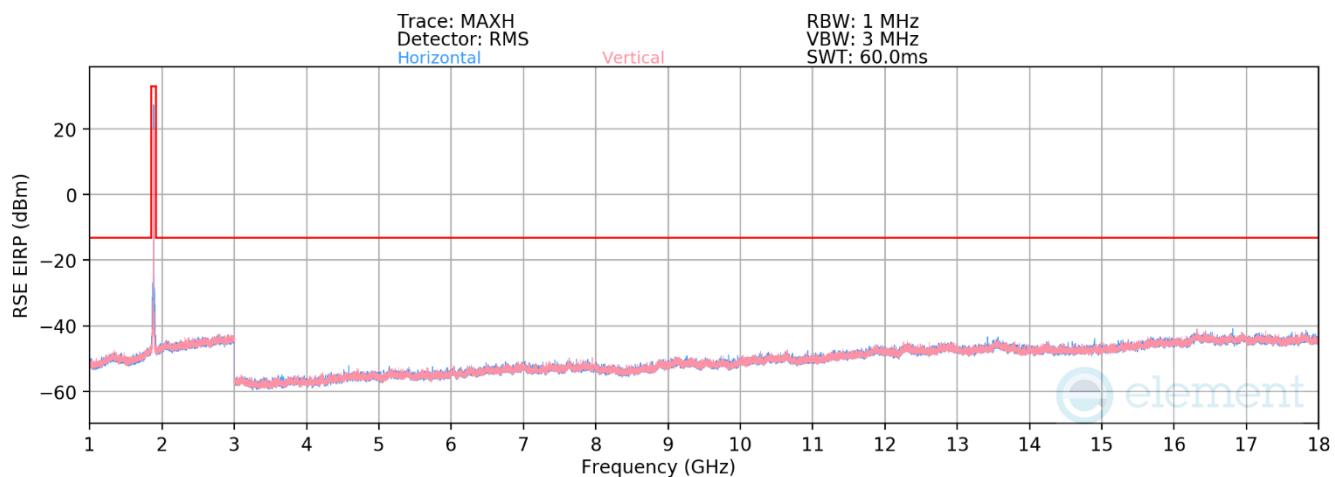
Table 7-24. Antenna 4 Radiated Spurious Data (LTE Band 25/2 – High Channel)

| | | | | | | |
|--|---|----------------------------|--|--|--|-----------------------------------|
| FCC ID: BCGA2757 |  element | PART 24 MEASUREMENT REPORT | | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090023-02-R1.BCG | Test Dates: 05/30/2022 - 08/29/2022 | EUT Type: Tablet Device | | | | |

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NR Band n25/2



| | | | | |
|--|---|----------------------------|-----------------|-----------------------------------|
| FCC ID: BCGA2757 |  element | PART 24 MEASUREMENT REPORT | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090023-02-R1.BCG | Test Dates: 05/30/2022 - 08/29/2022 | EUT Type: Tablet Device | Page 190 of 207 | |

| | |
|------------------|--------|
| Bandwidth (MHz): | 40 |
| Frequency (MHz): | 1870.0 |
| RB / Offset: | 1/108 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|------------------------------------|-------------|-------------|
| 3740.0 | H | - | - | -80.13 | 7.00 | 33.87 | -61.39 | -13.00 | -48.39 |
| 5610.0 | H | - | - | -82.29 | 10.11 | 34.82 | -60.44 | -13.00 | -47.44 |
| 7480.0 | H | - | - | -82.33 | 11.57 | 36.24 | -59.02 | -13.00 | -46.02 |

Table 7-25. Antenna 4 Radiated Spurious Data (NR Band n25/2 – Low Channel)

| | |
|------------------|--------|
| Bandwidth (MHz): | 40 |
| Frequency (MHz): | 1882.5 |
| RB / Offset: | 1/108 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|------------------------------------|-------------|-------------|
| 3765.0 | V | 348 | 194 | -79.34 | 7.57 | 35.23 | -60.02 | -13.00 | -47.02 |
| 5647.5 | V | - | - | -82.32 | 10.50 | 35.18 | -60.08 | -13.00 | -47.08 |
| 7530.0 | V | - | - | -81.88 | 11.30 | 36.42 | -58.84 | -13.00 | -45.84 |
| 9412.5 | V | - | - | -82.53 | 13.23 | 37.70 | -57.56 | -13.00 | -44.56 |

Table 7-26. Antenna 4 Radiated Spurious Data (NR Band n25/2 – Mid Channel)

| | |
|------------------|--------|
| Bandwidth (MHz): | 40 |
| Frequency (MHz): | 1895.0 |
| RB / Offset: | 1/108 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|------------------------------------|-------------|-------------|
| 3790.0 | H | - | - | -80.02 | 7.17 | 34.15 | -61.10 | -13.00 | -48.10 |
| 5685.0 | H | - | - | -81.47 | 9.39 | 34.92 | -60.34 | -13.00 | -47.34 |
| 7580.0 | H | - | - | -82.44 | 12.12 | 36.68 | -58.58 | -13.00 | -45.58 |

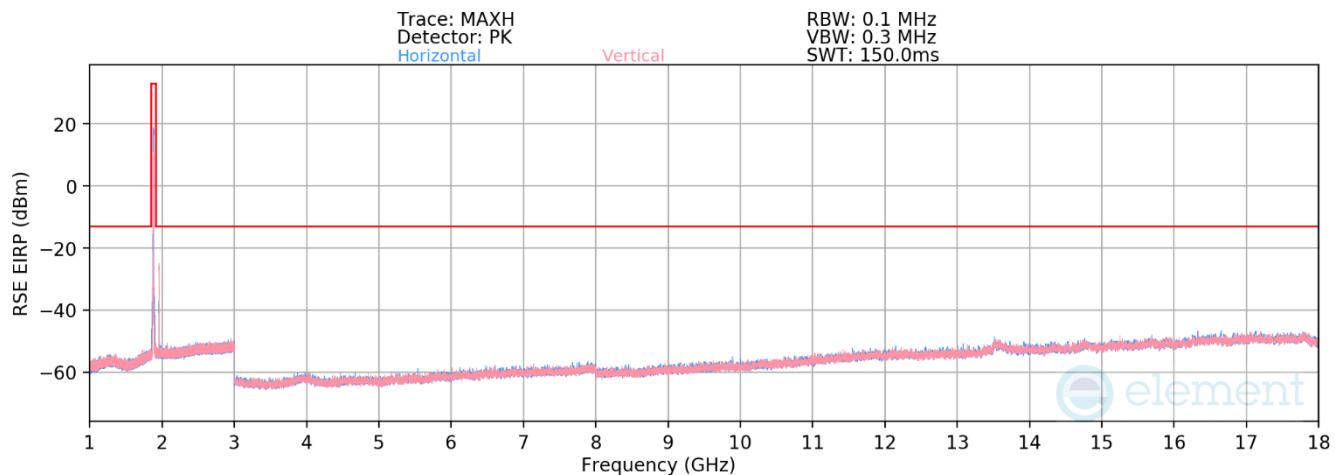
Table 7-27. Antenna 4 Radiated Spurious Data (NR Band n25/2 – High Channel)

| | | | | | | | |
|--|---|----------------------------|--|--|--|--|-----------------------------------|
| FCC ID: BCGA2757 |  element | PART 24 MEASUREMENT REPORT | | | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090023-02-R1.BCG | Test Dates: 05/30/2022 - 08/29/2022 | EUT Type: Tablet Device | | | | | |

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WCDMA PCS



| | | | | |
|--|---|----------------------------|-----------------|-----------------------------------|
| FCC ID: BCGA2757 |  element | PART 24 MEASUREMENT REPORT | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090023-02-R1.BCG | Test Dates: 05/30/2022 - 08/29/2022 | EUT Type: Tablet Device | Page 192 of 207 | |

| | |
|------------------|-----------|
| Mode: | WCDMA RMC |
| Channel: | 9262 |
| Frequency (MHz): | 1852.4 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|------------------------------------|-------------|-------------|
| 3704.8 | - | - | - | -76.84 | 2.79 | 32.95 | -62.31 | -13.00 | -49.31 |
| 5557.2 | - | - | - | -78.15 | 5.53 | 34.38 | -60.88 | -13.00 | -47.88 |
| 7409.6 | - | - | - | -79.33 | 8.74 | 36.41 | -58.85 | -13.00 | -45.85 |

Table 7-28. Antenna 4 Radiated Spurious Data (WCDMA PCS – Low Channel)

| | |
|------------------|-----------|
| Mode: | WCDMA RMC |
| Channel: | 9400 |
| Frequency (MHz): | 1880 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|------------------------------------|-------------|-------------|
| 3760.0 | - | - | - | -76.70 | 2.88 | 33.18 | -62.07 | -13.00 | -49.07 |
| 5640.0 | - | - | - | -77.57 | 4.89 | 34.32 | -60.93 | -13.00 | -47.93 |
| 7520.0 | - | - | - | -79.67 | 8.82 | 36.15 | -59.11 | -13.00 | -46.11 |

Table 7-29. Antenna 4 Radiated Spurious Data (WCDMA PCS – Mid Channel)

| | |
|------------------|-----------|
| Mode: | WCDMA RMC |
| Channel: | 9538 |
| Frequency (MHz): | 1907.6 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|------------------------------------|-------------|-------------|
| 3815.2 | - | - | - | -76.68 | 3.44 | 33.76 | -61.50 | -13.00 | -48.50 |
| 5722.8 | - | - | - | -78.06 | 5.84 | 34.78 | -60.48 | -13.00 | -47.48 |
| 7630.4 | - | - | - | -79.64 | 9.02 | 36.38 | -58.88 | -13.00 | -45.88 |

Table 7-30. Antenna 4 Radiated Spurious Data (WCDMA PCS – High Channel)

| | | | | | | |
|--|---|----------------------------|--|--|--|-----------------------------------|
| FCC ID: BCGA2757 |  element | PART 24 MEASUREMENT REPORT | | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090023-02-R1.BCG | Test Dates: 05/30/2022 - 08/29/2022 | EUT Type: Tablet Device | | | | |

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7.7.2 Antenna 2b – Radiated Spurious Emission Measurement LTE Band 25/2

| | |
|------------------|--------|
| Bandwidth (MHz): | 20 |
| Frequency (MHz): | 1860.0 |
| RB / Offset: | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|------------------------------------|-------------|-------------|
| 3720.0 | V | 341 | 352 | -76.52 | 3.31 | 33.79 | -61.47 | -13.00 | -48.47 |
| 5580.0 | V | - | - | -78.21 | 5.12 | 33.91 | -61.35 | -13.00 | -48.35 |
| 7440.0 | V | - | - | -79.88 | 8.59 | 35.71 | -59.55 | -13.00 | -46.55 |
| 9300.0 | V | - | - | -82.19 | 11.57 | 36.38 | -58.87 | -13.00 | -45.87 |

Table 7-31. Antenna 2b Radiated Spurious Data (LTE Band 25/2 – Low Channel)

| | |
|------------------|--------|
| Bandwidth (MHz): | 20 |
| Frequency (MHz): | 1882.5 |
| RB / Offset: | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|------------------------------------|-------------|-------------|
| 3765.0 | H | 113 | 157 | -74.37 | 2.90 | 35.53 | -59.73 | -13.00 | -46.73 |
| 5647.5 | H | - | - | -77.68 | 4.91 | 34.23 | -61.03 | -13.00 | -48.03 |
| 7530.0 | H | - | - | -80.10 | 8.95 | 35.85 | -59.41 | -13.00 | -46.41 |
| 9412.5 | H | - | - | -82.62 | 12.23 | 36.61 | -58.65 | -13.00 | -45.65 |

Table 7-32. Antenna 2b Radiated Spurious Data (LTE Band 25/2 – Mid Channel)

| | |
|------------------|--------|
| Bandwidth (MHz): | 20 |
| Frequency (MHz): | 1905.0 |
| RB / Offset: | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|------------------------------------|-------------|-------------|
| 3810.0 | H | 109 | 155 | -72.86 | 3.50 | 37.64 | -57.62 | -13.00 | -44.62 |
| 5715.0 | H | - | - | -78.36 | 5.82 | 34.46 | -60.79 | -13.00 | -47.79 |
| 7620.0 | H | - | - | -80.10 | 9.00 | 35.90 | -59.36 | -13.00 | -46.36 |
| 9525.0 | H | - | - | -82.70 | 12.42 | 36.72 | -58.54 | -13.00 | -45.54 |

Table 7-33. Antenna 2b Radiated Spurious Data (LTE Band 25/2 – High Channel)

| | | | | | | | |
|--|---|----------------------------|--|--|--|--|-----------------------------------|
| FCC ID: BCGA2757 |  element | PART 24 MEASUREMENT REPORT | | | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090023-02-R1.BCG | Test Dates: 05/30/2022 - 08/29/2022 | EUT Type: Tablet Device | | | | | |

NR Band n25/2

| | |
|------------------|--------|
| Bandwidth (MHz): | 40 |
| Frequency (MHz): | 1870.0 |
| RB / Offset: | 1/108 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|------------------------------------|-------------|-------------|
| 3740.0 | H | - | - | -80.67 | 7.00 | 33.33 | -61.93 | -13.00 | -48.93 |
| 5610.0 | H | - | - | -82.23 | 10.11 | 34.88 | -60.38 | -13.00 | -47.38 |
| 7480.0 | H | - | - | -82.18 | 11.57 | 36.39 | -58.87 | -13.00 | -45.87 |

Table 7-34. Antenna 2b Radiated Spurious Data (NR Band n25/2 – Low Channel)

| | |
|------------------|--------|
| Bandwidth (MHz): | 40 |
| Frequency (MHz): | 1882.5 |
| RB / Offset: | 1/108 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|------------------------------------|-------------|-------------|
| 3765.0 | V | 258 | 200 | -80.22 | 7.57 | 34.35 | -60.90 | -13.00 | -47.90 |
| 5647.5 | V | - | - | -81.97 | 10.50 | 35.53 | -59.73 | -13.00 | -46.73 |
| 7530.0 | V | - | - | -81.80 | 11.30 | 36.50 | -58.76 | -13.00 | -45.76 |
| 9412.5 | V | - | - | -82.34 | 13.23 | 37.89 | -57.37 | -13.00 | -44.37 |

Table 7-35. Antenna 2b Radiated Spurious Data (NR Band n25/2 – Mid Channel)

| | |
|------------------|--------|
| Bandwidth (MHz): | 40 |
| Frequency (MHz): | 1895.0 |
| RB / Offset: | 1/108 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|------------------------------------|-------------|-------------|
| 3790.0 | H | - | - | -80.79 | 7.17 | 33.38 | -61.87 | -13.00 | -48.87 |
| 5685.0 | H | - | - | -81.50 | 9.39 | 34.89 | -60.37 | -13.00 | -47.37 |
| 7580.0 | H | - | - | -82.65 | 12.12 | 36.47 | -58.79 | -13.00 | -45.79 |

Table 7-36. Antenna 2b Radiated Spurious Data (NR Band n25/2 – High Channel)

| | | | | | | |
|--|---|----------------------------|--|--|--|-----------------------------------|
| FCC ID: BCGA2757 |  element | PART 24 MEASUREMENT REPORT | | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090023-02-R1.BCG | Test Dates: 05/30/2022 - 08/29/2022 | EUT Type: Tablet Device | | | | |

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WCDMA PCS

| | |
|------------------|-----------|
| Mode: | WCDMA RMC |
| Channel: | 9262 |
| Frequency (MHz): | 1852.4 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|------------------------------------|-------------|-------------|
| 3704.8 | H | - | - | -76.81 | 2.79 | 32.98 | -62.28 | -13.00 | -49.28 |
| 5557.2 | H | - | - | -78.08 | 5.53 | 34.45 | -60.81 | -13.00 | -47.81 |
| 7409.6 | H | - | - | -79.55 | 8.74 | 36.19 | -59.07 | -13.00 | -46.07 |

Table 7-37. Antenna 2b Radiated Spurious Data (WCDMA PCS – Low Channel)

| | |
|------------------|-----------|
| Mode: | WCDMA RMC |
| Channel: | 9400 |
| Frequency (MHz): | 1880 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|------------------------------------|-------------|-------------|
| 3760.0 | H | - | - | -76.77 | 2.88 | 33.11 | -62.14 | -13.00 | -49.14 |
| 5640.0 | H | - | - | -77.95 | 4.89 | 33.94 | -61.31 | -13.00 | -48.31 |
| 7520.0 | H | - | - | -79.63 | 8.82 | 36.19 | -59.07 | -13.00 | -46.07 |

Table 7-38. Antenna 2b Radiated Spurious Data (WCDMA PCS – Mid Channel)

| | |
|------------------|-----------|
| Mode: | WCDMA RMC |
| Channel: | 9538 |
| Frequency (MHz): | 1907.6 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|------------------------------------|-------------|-------------|
| 3815.2 | H | - | - | -76.78 | 3.44 | 33.66 | -61.60 | -13.00 | -48.60 |
| 5722.8 | H | - | - | -78.09 | 5.84 | 34.75 | -60.51 | -13.00 | -47.51 |
| 7630.4 | H | - | - | -79.19 | 9.02 | 36.83 | -58.43 | -13.00 | -45.43 |

Table 7-39. Antenna 2b Radiated Spurious Data (WCDMA PCS – High Channel)

| | | | | | | |
|--|---|----------------------------|--|--|--|-----------------------------------|
| FCC ID: BCGA2757 |  element | PART 24 MEASUREMENT REPORT | | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090023-02-R1.BCG | Test Dates: 05/30/2022 - 08/29/2022 | EUT Type: Tablet Device | | | | |

7.7.3 Antenna 3a – Radiated Spurious Emission Measurement LTE Band 25/2

| | |
|------------------|--------|
| Bandwidth (MHz): | 20 |
| Frequency (MHz): | 1860.0 |
| RB / Offset: | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|------------------------------------|-------------|-------------|
| 3720.0 | H | 128 | 158 | -65.56 | 3.31 | 44.75 | -50.51 | -13.00 | -37.51 |
| 5580.0 | H | - | - | -66.69 | 5.12 | 45.43 | -49.83 | -13.00 | -36.83 |
| 7440.0 | H | - | - | -68.30 | 8.59 | 47.29 | -47.97 | -13.00 | -34.97 |
| 9300.0 | H | - | - | -71.04 | 11.57 | 47.53 | -47.72 | -13.00 | -34.72 |

Table 7-40. Antenna 3a Radiated Spurious Data (LTE Band 25/2 – Low Channel)

| | |
|------------------|--------|
| Bandwidth (MHz): | 20 |
| Frequency (MHz): | 1882.5 |
| RB / Offset: | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|------------------------------------|-------------|-------------|
| 3765.0 | H | 307 | 203 | -75.17 | 2.90 | 34.73 | -60.53 | -13.00 | -47.53 |
| 5647.5 | H | - | - | -77.59 | 4.91 | 34.32 | -60.94 | -13.00 | -47.94 |
| 7530.0 | H | - | - | -79.60 | 8.95 | 36.35 | -58.91 | -13.00 | -45.91 |
| 9412.5 | H | - | - | -82.03 | 12.23 | 37.20 | -58.06 | -13.00 | -45.06 |

Table 7-41. Antenna 3a Radiated Spurious Data (LTE Band 25/2 – Mid Channel)

| | |
|------------------|--------|
| Bandwidth (MHz): | 20 |
| Frequency (MHz): | 1905.0 |
| RB / Offset: | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|------------------------------------|-------------|-------------|
| 3810.0 | H | 102 | 66 | -75.61 | 3.50 | 34.89 | -60.37 | -13.00 | -47.37 |
| 5715.0 | H | - | - | -77.71 | 5.82 | 35.11 | -60.14 | -13.00 | -47.14 |
| 7620.0 | H | - | - | -79.67 | 9.00 | 36.33 | -58.93 | -13.00 | -45.93 |
| 9525.0 | H | - | - | -81.88 | 12.42 | 37.54 | -57.72 | -13.00 | -44.72 |

Table 7-42. Antenna 3a Radiated Spurious Data (LTE Band 25/2 – High Channel)

| | | | | | | |
|--|---|----------------------------|--|--|--|-----------------------------------|
| FCC ID: BCGA2757 |  element | PART 24 MEASUREMENT REPORT | | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090023-02-R1.BCG | Test Dates: 05/30/2022 - 08/29/2022 | EUT Type: Tablet Device | | | | |

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NR Band n25/2

| | |
|------------------|--------|
| Bandwidth (MHz): | 40 |
| Frequency (MHz): | 1870.0 |
| RB / Offset: | 1/108 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|------------------------------------|-------------|-------------|
| 3740.0 | H | 300 | 240 | -76.90 | 3.54 | 33.64 | -61.62 | -13.00 | -48.62 |
| 5610.0 | H | - | - | -80.40 | 7.44 | 34.04 | -61.22 | -13.00 | -48.22 |
| 7480.0 | H | - | - | -80.68 | 8.40 | 34.72 | -60.54 | -13.00 | -47.54 |
| 9350.0 | H | - | - | -80.56 | 10.33 | 36.77 | -58.48 | -13.00 | -45.48 |

Table 7-43. Antenna 3a Radiated Spurious Data (NR Band n25/2 – Low Channel)

| | |
|------------------|--------|
| Bandwidth (MHz): | 40 |
| Frequency (MHz): | 1882.5 |
| RB / Offset: | 1/108 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|------------------------------------|-------------|-------------|
| 3765.0 | H | - | - | -78.71 | 3.59 | 31.88 | -63.38 | -13.00 | -50.38 |
| 5647.5 | H | - | - | -80.63 | 7.50 | 33.87 | -61.39 | -13.00 | -48.39 |
| 7530.0 | H | - | - | -80.57 | 8.60 | 35.03 | -60.23 | -13.00 | -47.23 |

Table 7-44. Antenna 3a Radiated Spurious Data (NR Band n25/2 – Mid Channel)

| | |
|------------------|--------|
| Bandwidth (MHz): | 40 |
| Frequency (MHz): | 1895.0 |
| RB / Offset: | 1/108 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|------------------------------------|-------------|-------------|
| 3790.0 | H | 292 | 243 | -73.10 | 3.66 | 37.56 | -57.70 | -13.00 | -44.70 |
| 5685.0 | H | - | - | -80.15 | 6.92 | 33.77 | -61.49 | -13.00 | -48.49 |
| 7580.0 | H | - | - | -81.14 | 9.18 | 35.04 | -60.22 | -13.00 | -47.22 |
| 9475.0 | H | - | - | -80.52 | 10.65 | 37.13 | -58.13 | -13.00 | -45.13 |

Table 7-45. Antenna 3a Radiated Spurious Data (NR Band n25/2 – High Channel)

| | | | | | | | |
|--|---|----------------------------|--|--|--|--|-----------------------------------|
| FCC ID: BCGA2757 Test Report S/N: 1C2205090023-02-R1.BCG |  element | PART 24 MEASUREMENT REPORT | | | | | Approved by: Technical Manager |
| | Test Dates: 05/30/2022 - 08/29/2022 | EUT Type: Tablet Device | | | | | |

WCDMA PCS

| | |
|------------------|-----------|
| Mode: | WCDMA RMC |
| Channel: | 9262 |
| Frequency (MHz): | 1852.4 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|------------------------------------|-------------|-------------|
| 3704.8 | H | - | - | -76.62 | 2.79 | 33.17 | -62.09 | -13.00 | -49.09 |
| 5557.2 | H | - | - | -78.02 | 5.53 | 34.51 | -60.75 | -13.00 | -47.75 |
| 7409.6 | H | - | - | -79.56 | 8.74 | 36.18 | -59.08 | -13.00 | -46.08 |

Table 7-46. Antenna 3a Radiated Spurious Data (WCDMA PCS – Low Channel)

| | |
|------------------|-----------|
| Mode: | WCDMA RMC |
| Channel: | 9400 |
| Frequency (MHz): | 1880 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|------------------------------------|-------------|-------------|
| 3760.0 | H | 272 | 168 | -74.39 | 2.88 | 35.49 | -59.76 | -13.00 | -46.76 |
| 5640.0 | H | - | - | -77.82 | 4.89 | 34.07 | -61.18 | -13.00 | -48.18 |
| 7520.0 | H | - | - | -79.58 | 8.82 | 36.24 | -59.02 | -13.00 | -46.02 |
| 9400.0 | H | - | - | -82.10 | 12.31 | 37.21 | -58.05 | -13.00 | -45.05 |

Table 7-47. Antenna 3a Radiated Spurious Data (WCDMA PCS – Mid Channel)

| | |
|------------------|-----------|
| Mode: | WCDMA RMC |
| Channel: | 9538 |
| Frequency (MHz): | 1907.6 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|------------------------------------|-------------|-------------|
| 3815.2 | V | 267 | 168 | -75.44 | 3.44 | 35.00 | -60.26 | -13.00 | -47.26 |
| 5722.8 | H | - | - | -77.91 | 5.84 | 34.93 | -60.33 | -13.00 | -47.33 |
| 7630.4 | H | - | - | -79.65 | 9.02 | 36.37 | -58.89 | -13.00 | -45.89 |
| 9538.0 | H | - | - | -82.23 | 12.38 | 37.15 | -58.11 | -13.00 | -45.11 |

Table 7-48. Antenna 3a Radiated Spurious Data (WCDMA PCS – High Channel)

| | | | | | | |
|--|---|----------------------------|--|--|--|-----------------------------------|
| FCC ID: BCGA2757 |  element | PART 24 MEASUREMENT REPORT | | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090023-02-R1.BCG | Test Dates: 05/30/2022 - 08/29/2022 | EUT Type: Tablet Device | | | | |

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7.7.4 Antenna 1b – Radiated Spurious Emission Measurement LTE Band 25/2

| | |
|------------------|--------|
| Bandwidth (MHz): | 20 |
| Frequency (MHz): | 1860.0 |
| RB / Offset: | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|------------------------------------|-------------|-------------|
| 3720.0 | H | 262 | 247 | -75.00 | 3.31 | 35.31 | -59.95 | -13.00 | -46.95 |
| 5580.0 | H | - | - | -77.74 | 5.12 | 34.38 | -60.88 | -13.00 | -47.88 |
| 7440.0 | H | - | - | -79.67 | 8.59 | 35.92 | -59.34 | -13.00 | -46.34 |
| 9300.0 | H | - | - | -81.51 | 11.57 | 37.06 | -58.19 | -13.00 | -45.19 |

Table 7-49. Antenna 1b Radiated Spurious Data (LTE Band 25/2 – Low Channel)

| | |
|------------------|--------|
| Bandwidth (MHz): | 20 |
| Frequency (MHz): | 1882.5 |
| RB / Offset: | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|------------------------------------|-------------|-------------|
| 3765.0 | H | 105 | 157 | -73.36 | 2.90 | 36.54 | -58.72 | -13.00 | -45.72 |
| 5647.5 | H | - | - | -77.35 | 4.91 | 34.56 | -60.70 | -13.00 | -47.70 |
| 7530.0 | H | - | - | -79.63 | 8.95 | 36.32 | -58.94 | -13.00 | -45.94 |
| 9412.5 | H | - | - | -82.20 | 12.23 | 37.03 | -58.23 | -13.00 | -45.23 |

Table 7-50. Antenna 1b Radiated Spurious Data (LTE Band 25/2 – Mid Channel)

| | |
|------------------|--------|
| Bandwidth (MHz): | 20 |
| Frequency (MHz): | 1905.0 |
| RB / Offset: | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|------------------------------------|-------------|-------------|
| 3810.0 | H | 134 | 159 | -74.42 | 3.50 | 36.08 | -59.18 | -13.00 | -46.18 |
| 5715.0 | H | - | - | -77.88 | 5.82 | 34.94 | -60.31 | -13.00 | -47.31 |
| 7620.0 | H | - | - | -79.67 | 9.00 | 36.33 | -58.93 | -13.00 | -45.93 |
| 9525.0 | H | - | - | -81.83 | 12.42 | 37.59 | -57.67 | -13.00 | -44.67 |

Table 7-51. Antenna 1b Radiated Spurious Data (LTE Band 25/2 – High Channel)

| | | | | | | |
|--|---|----------------------------|--|--|--|-----------------------------------|
| FCC ID: BCGA2757 |  element | PART 24 MEASUREMENT REPORT | | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090023-02-R1.BCG | Test Dates: 05/30/2022 - 08/29/2022 | EUT Type: Tablet Device | | | | |

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NR Band n25/2

| | |
|------------------|--------|
| Bandwidth (MHz): | 40 |
| Frequency (MHz): | 1870.0 |
| RB / Offset: | 1/108 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|------------------------------------|-------------|-------------|
| 3740.0 | H | 263 | 240 | -78.25 | 3.54 | 32.29 | -62.97 | -13.00 | -49.97 |
| 5610.0 | V | - | - | -80.50 | 7.44 | 33.94 | -61.32 | -13.00 | -48.32 |
| 7480.0 | V | - | - | -80.44 | 8.40 | 34.96 | -60.30 | -13.00 | -47.30 |
| 9350.0 | V | - | - | -80.46 | 10.33 | 36.87 | -58.38 | -13.00 | -45.38 |

Table 7-52. Antenna 1b Radiated Spurious Data (NR Band n25/2 – Low Channel)

| | |
|------------------|--------|
| Bandwidth (MHz): | 40 |
| Frequency (MHz): | 1882.5 |
| RB / Offset: | 1/108 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|------------------------------------|-------------|-------------|
| 3765.0 | H | 259 | 237 | -78.31 | 3.59 | 32.28 | -62.98 | -13.00 | -49.98 |
| 5647.5 | V | - | - | -80.71 | 7.50 | 33.79 | -61.47 | -13.00 | -48.47 |
| 7530.0 | V | - | - | -80.54 | 8.60 | 35.06 | -60.20 | -13.00 | -47.20 |
| 9412.5 | V | - | - | -80.23 | 10.08 | 36.85 | -58.40 | -13.00 | -45.40 |

Table 7-53. Antenna 1b Radiated Spurious Data (NR Band n25/2 – Mid Channel)

| | |
|------------------|--------|
| Bandwidth (MHz): | 40 |
| Frequency (MHz): | 1895.0 |
| RB / Offset: | 1/108 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|------------------------------------|-------------|-------------|
| 3790.0 | H | 329 | 240 | -77.57 | 3.66 | 33.09 | -62.17 | -13.00 | -49.17 |
| 5685.0 | V | - | - | -80.07 | 6.92 | 33.85 | -61.41 | -13.00 | -48.41 |
| 7580.0 | V | - | - | -80.84 | 9.18 | 35.34 | -59.92 | -13.00 | -46.92 |
| 9475.0 | V | - | - | -80.37 | 10.65 | 37.28 | -57.98 | -13.00 | -44.98 |

Table 7-54. Antenna 1b Radiated Spurious Data (NR Band n25/2 – High Channel)

| | | | | | | |
|--|---|----------------------------|--|--|--|-----------------------------------|
| FCC ID: BCGA2757 |  element | PART 24 MEASUREMENT REPORT | | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090023-02-R1.BCG | Test Dates: 05/30/2022 - 08/29/2022 | EUT Type: Tablet Device | | | | |

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WCDMA PCS

| | |
|------------------|-----------|
| Mode: | WCDMA RMC |
| Channel: | 9262 |
| Frequency (MHz): | 1852.4 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|------------------------------------|-------------|-------------|
| 3704.8 | V | - | - | -76.84 | 3.44 | 33.60 | -61.66 | -13.00 | -48.66 |
| 5557.2 | V | - | - | -78.05 | 5.84 | 34.79 | -60.47 | -13.00 | -47.47 |
| 7409.6 | V | - | - | -79.63 | 9.02 | 36.39 | -58.87 | -13.00 | -45.87 |

Table 7-55. Antenna 1b Radiated Spurious Data (WCDMA PCS – Low Channel)

| | |
|------------------|-----------|
| Mode: | WCDMA RMC |
| Channel: | 9400 |
| Frequency (MHz): | 1880 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|------------------------------------|-------------|-------------|
| 3760.0 | V | - | - | -76.57 | 2.88 | 33.31 | -61.94 | -13.00 | -48.94 |
| 5640.0 | V | - | - | -77.70 | 4.89 | 34.19 | -61.06 | -13.00 | -48.06 |
| 7520.0 | V | - | - | -79.63 | 8.82 | 36.19 | -59.07 | -13.00 | -46.07 |

Table 7-56. Antenna 1b Radiated Spurious Data (WCDMA PCS – Mid Channel)

| | |
|------------------|-----------|
| Mode: | WCDMA RMC |
| Channel: | 9538 |
| Frequency (MHz): | 1907.6 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|------------------------------------|-------------|-------------|
| 3815.2 | V | - | - | -76.61 | 3.44 | 33.83 | -61.43 | -13.00 | -48.43 |
| 5722.8 | V | - | - | -78.21 | 5.84 | 34.63 | -60.63 | -13.00 | -47.63 |
| 7630.4 | V | - | - | -79.81 | 9.02 | 36.21 | -59.05 | -13.00 | -46.05 |

Table 7-57. Antenna 1b Radiated Spurious Data (WCDMA PCS – High Channel)

| | | | | | | |
|--|---|----------------------------|--|--|--|-----------------------------------|
| FCC ID: BCGA2757 |  element | PART 24 MEASUREMENT REPORT | | | | Approved by: Technical Manager |
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7.8 Frequency Stability / Temperature Variation

§2.1055, §24.235

Test Overview and Limit

Frequency stability testing is performed in accordance with the guidelines of ANSI C63.26-2015 and TIA-603-E-2016. The frequency stability of the transmitter is measured by:

7.) **Temperature:** The temperature is varied from -30°C to +50°C in 10°C increments using an environmental chamber.

b.) **Primary Supply Voltage:** The primary supply voltage is varied from 85% to 115% of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

For Part 24 the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

Test Procedure Used

ANSI C63.26-2015

TIA-603-E-2016

Test Settings

1. The carrier frequency of the transmitter is measured at room temperature (20°C to provide a reference).
2. The equipment is turned on in a "standby" condition for fifteen minutes before applying power to the transmitter. Measurement of the carrier frequency of the transmitter is made within one minute after applying power to the transmitter.
3. Frequency measurements are made at 10°C intervals ranging from -30°C to +50°C. A period of at least one half-hour is provided to allow stabilization of the equipment at each temperature level.

Test Setup

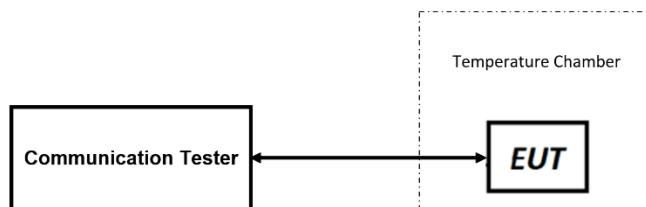


Figure 7-8. Test Instrument & Measurement Setup

Test Notes

1. All port were tested and only the worst case data were reported.

| | | | | |
|--|---|----------------------------|--|-----------------------------------|
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Frequency Stability / Temperature Variation

| LTE Band 25/2 | | | | | | | |
|---------------|-------------|------------------------------|----------------|-----------------|---------------------|----------------------|---------------|
| | | Low Channel Frequency (Hz): | | 1,852,400,000 | | | |
| | | High Channel Frequency (Hz): | | 1,907,600,000 | | | |
| | | Ref. Voltage (VDC): | | 3.80 | | | |
| Voltage (%) | Power (VDC) | Temp (°C) | Low Freq. (Hz) | High Freq. (Hz) | Low Freq. Dev. (Hz) | High Freq. Dev. (Hz) | Deviation (%) |
| 100 % | 3.80 | - 30 | 1,852,400,029 | 1,907,600,038 | 16 | 20 | 0.00000105 |
| | | - 20 | 1,852,400,032 | 1,907,600,037 | 19 | 19 | 0.00000103 |
| | | - 10 | 1,852,400,029 | 1,907,600,038 | 16 | 20 | 0.00000105 |
| | | 0 | 1,852,400,032 | 1,907,600,038 | 19 | 20 | 0.00000105 |
| | | + 10 | 1,852,400,032 | 1,907,600,035 | 19 | 17 | 0.00000103 |
| | | + 20 (Ref) | 1,852,400,013 | 1,907,600,018 | 0 | 0 | 0.00000000 |
| | | + 30 | 1,852,400,028 | 1,907,600,038 | 15 | 20 | 0.00000105 |
| | | + 40 | 1,852,400,027 | 1,907,600,033 | 14 | 15 | 0.00000079 |
| | | + 50 | 1,852,400,032 | 1,907,600,035 | 19 | 17 | 0.00000103 |
| | | Battery Endpoint | 3.23 | + 20 | 1,852,400,027 | 1,907,600,036 | 14 |

Table 7-58. LTE Band 25/2 Frequency Stability Data

Note: The lowest and highest channel of this band have been tested and is determined to remain operating in-band over the temperature and voltage range as tested

| | | | | |
|--|---|----------------------------|-----------------|-----------------------------------|
| FCC ID: BCGA2757 |  element | PART 24 MEASUREMENT REPORT | | Approved by: Technical Manager |
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Frequency Stability / Temperature Variation

| NR Band n25/2 | | | | | | | |
|---------------|-------------|------------------------------|----------------|-----------------|---------------------|----------------------|---------------|
| | | Low Channel Frequency (Hz): | | 1,870,000,000 | | | |
| | | High Channel Frequency (Hz): | | 1,895,000,000 | | | |
| | | Ref. Voltage (VDC): | | 3.80 | | | |
| Voltage (%) | Power (VDC) | Temp (°C) | Low Freq. (Hz) | High Freq. (Hz) | Low Freq. Dev. (Hz) | High Freq. Dev. (Hz) | Deviation (%) |
| 100 % | 3.80 | - 30 | 1,870,000,159 | 1,895,000,153 | 89 | 78 | 0.00000476 |
| | | - 20 | 1,870,000,140 | 1,895,000,156 | 70 | 81 | 0.00000427 |
| | | - 10 | 1,870,000,143 | 1,895,000,165 | 73 | 90 | 0.00000475 |
| | | 0 | 1,870,000,146 | 1,895,000,161 | 76 | 86 | 0.00000454 |
| | | + 10 | 1,870,000,152 | 1,895,000,157 | 82 | 82 | 0.00000439 |
| | | + 20 (Ref) | 1,870,000,070 | 1,895,000,075 | 0 | 0 | 0.00000000 |
| | | + 30 | 1,870,000,149 | 1,895,000,150 | 79 | 75 | 0.00000422 |
| | | + 40 | 1,870,000,141 | 1,895,000,165 | 71 | 90 | 0.00000475 |
| | | + 50 | 1,870,000,145 | 1,895,000,147 | 75 | 72 | 0.00000401 |
| | | Battery Endpoint | 3.23 | + 20 | 1,870,000,150 | 1,895,000,148 | 80 |

Table 7-59. NR Band n25/2 Frequency Stability Data

Note: The lowest and highest channel of this band have been tested and is determined to remain operating in-band over the temperature and voltage range as tested

| | | | | |
|--|---|----------------------------|-----------------|-----------------------------------|
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Frequency Stability / Temperature Variation

| WCDMA PCS | | | | | | | |
|------------------|-------------|------------------------------|----------------|-----------------|---------------------|----------------------|---------------|
| | | Low Channel Frequency (Hz): | | 1,852,400,000 | | | |
| | | High Channel Frequency (Hz): | | 1,907,600,000 | | | |
| | | Ref. Voltage (VDC): | | 3.80 | | | |
| Voltage (%) | Power (VDC) | Temp (°C) | Low Freq. (Hz) | High Freq. (Hz) | Low Freq. Dev. (Hz) | High Freq. Dev. (Hz) | Deviation (%) |
| 100 % | 3.80 | - 30 | 1,852,400,027 | 1,907,600,033 | 15 | 18 | 0.00000094 |
| | | - 20 | 1,852,400,025 | 1,907,600,033 | 13 | 18 | 0.00000094 |
| | | - 10 | 1,852,400,024 | 1,907,600,031 | 12 | 16 | 0.00000084 |
| | | 0 | 1,852,400,029 | 1,907,600,035 | 17 | 20 | 0.00000105 |
| | | + 10 | 1,852,400,031 | 1,907,600,034 | 19 | 19 | 0.00000103 |
| | | + 20 (Ref) | 1,852,400,012 | 1,907,600,015 | 0 | 0 | 0.00000000 |
| | | + 30 | 1,852,400,027 | 1,907,600,035 | 15 | 20 | 0.00000105 |
| | | + 40 | 1,852,400,025 | 1,907,600,033 | 13 | 18 | 0.00000094 |
| | | + 50 | 1,852,400,024 | 1,907,600,027 | 12 | 12 | 0.00000065 |
| Battery Endpoint | 3.23 | + 20 | 1,852,400,031 | 1,907,600,029 | 19 | 14 | 0.00000103 |

Table 7-60. WCDMA PCS Frequency Stability Data

Note: The lowest and highest channel of this band have been tested and is determined to remain operating in-band over the temperature and voltage range as tested

| | | | | |
|--|---|----------------------------|-----------------|-----------------------------------|
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8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the Apple **Tablet Device** **FCC ID: BCGA2757** complies with all the requirements of Part 24 of the FCC rules.

| | | | | |
|--|---|----------------------------|--|-----------------------------------|
| FCC ID: BCGA2757 |  element | PART 24 MEASUREMENT REPORT | | Approved by: Technical Manager |
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