


LTE Band 41 (PC2)

| Bandwidth | Mod. | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|---------|-----------------|-----------------|----------------|-----------------------|--------------|--------------|------------------|-------------|
| 5 MHz | QPSK | 2498.5 | -3.80 | 1 / 24 | 24.47 | 20.67 | 0.117 | 33.01 | -12.34 |
| | | 2593.0 | -3.80 | 1 / 12 | 24.70 | 20.90 | 0.123 | 33.01 | -12.11 |
| | | 2687.5 | -3.80 | 1 / 12 | 24.66 | 20.86 | 0.122 | 33.01 | -12.15 |
| | 16-QAM | 2593.0 | -3.80 | 1 / 12 | 24.32 | 20.52 | 0.113 | 33.01 | -12.49 |
| | 64-QAM | 2593.0 | -3.80 | 1 / 0 | 23.73 | 19.93 | 0.098 | 33.01 | -13.08 |
| | 256-QAM | 2687.5 | -3.80 | 1 / 12 | 20.70 | 16.90 | 0.049 | 33.01 | -16.11 |
| 10 MHz | QPSK | 2501.0 | -3.80 | 1 / 49 | 24.42 | 20.62 | 0.115 | 33.01 | -12.39 |
| | | 2593.0 | -3.80 | 1 / 25 | 24.69 | 20.89 | 0.123 | 33.01 | -12.12 |
| | | 2685.0 | -3.80 | 1 / 49 | 24.70 | 20.90 | 0.123 | 33.01 | -12.11 |
| | 16-QAM | 2593.0 | -3.80 | 1 / 25 | 24.13 | 20.33 | 0.108 | 33.01 | -12.68 |
| | 64-QAM | 2685.0 | -3.80 | 1 / 0 | 23.16 | 19.36 | 0.086 | 33.01 | -13.65 |
| | 256-QAM | 2593.0 | -3.80 | 1 / 0 | 20.72 | 16.92 | 0.049 | 33.01 | -16.09 |
| 15 MHz | QPSK | 2503.5 | -3.80 | 1 / 74 | 24.48 | 20.68 | 0.117 | 33.01 | -12.33 |
| | | 2593.0 | -3.80 | 1 / 74 | 24.70 | 20.90 | 0.123 | 33.01 | -12.11 |
| | | 2682.5 | -3.80 | 1 / 74 | 24.66 | 20.86 | 0.122 | 33.01 | -12.15 |
| | 16-QAM | 2682.5 | -3.80 | 1 / 74 | 24.06 | 20.26 | 0.106 | 33.01 | -12.75 |
| | 64-QAM | 2593.0 | -3.80 | 1 / 0 | 23.25 | 19.45 | 0.088 | 33.01 | -13.56 |
| | 256-QAM | 2593.0 | -3.80 | 1 / 0 | 20.71 | 16.91 | 0.049 | 33.01 | -16.10 |
| 20 MHz | QPSK | 2506.0 | -3.80 | 1 / 0 | 24.62 | 20.82 | 0.121 | 33.01 | -12.19 |
| | | 2593.0 | -3.80 | 1 / 0 | 24.70 | 20.90 | 0.123 | 33.01 | -12.11 |
| | | 2680.0 | -3.80 | 1 / 99 | 24.53 | 20.73 | 0.118 | 33.01 | -12.28 |
| | 16-QAM | 2593.0 | -3.80 | 1 / 99 | 24.26 | 20.46 | 0.111 | 33.01 | -12.55 |
| | 64-QAM | 2680.0 | -3.80 | 1 / 0 | 23.31 | 19.51 | 0.089 | 33.01 | -13.50 |
| | 256-QAM | 2680.0 | -3.80 | 1 / 99 | 20.73 | 16.93 | 0.049 | 33.01 | -16.08 |


Table 7-16. Antenna 1b EIRP Data (LTE Band 41(PC2))

| | | | |
|---|---|-----------------------------------|--|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
| Test Report S/N: 1C2106080049-04-R1.BCG | Test Dates: 6/2/2021 - 8/26/2021 | EUT Type: Tablet Device | Page 175 of 250 |

LTE Band 41 (PC3)

| Bandwidth | Mod. | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|---------|-----------------|-----------------|----------------|-----------------------|--------------|--------------|------------------|-------------|
| 5 MHz | QPSK | 2498.5 | -3.80 | 1 / 24 | 24.18 | 20.38 | 0.109 | 33.01 | -12.63 |
| | | 2593.0 | -3.80 | 1 / 0 | 24.70 | 20.90 | 0.123 | 33.01 | -12.11 |
| | | 2687.5 | -3.80 | 1 / 0 | 24.62 | 20.82 | 0.121 | 33.01 | -12.19 |
| | 16-QAM | 2593.0 | -3.80 | 1 / 12 | 23.90 | 20.10 | 0.102 | 33.01 | -12.91 |
| | 64-QAM | 2593.0 | -3.80 | 1 / 12 | 22.85 | 19.05 | 0.080 | 33.01 | -13.96 |
| | 256-QAM | 2687.5 | -3.80 | 1 / 0 | 20.66 | 16.86 | 0.049 | 33.01 | -16.15 |
| 10 MHz | QPSK | 2501.0 | -3.80 | 1 / 0 | 24.68 | 20.88 | 0.122 | 33.01 | -12.13 |
| | | 2593.0 | -3.80 | 1 / 0 | 24.70 | 20.90 | 0.123 | 33.01 | -12.11 |
| | | 2685.0 | -3.80 | 1 / 0 | 24.61 | 20.81 | 0.121 | 33.01 | -12.20 |
| | 16-QAM | 2593.0 | -3.80 | 1 / 25 | 24.00 | 20.20 | 0.105 | 33.01 | -12.81 |
| | 64-QAM | 2685.0 | -3.80 | 1 / 0 | 22.18 | 18.38 | 0.069 | 33.01 | -14.63 |
| | 256-QAM | 2501.0 | -3.80 | 1 / 0 | 20.68 | 16.88 | 0.049 | 33.01 | -16.13 |
| 15 MHz | QPSK | 2503.5 | -3.80 | 1 / 74 | 24.19 | 20.39 | 0.109 | 33.01 | -12.62 |
| | | 2593.0 | -3.80 | 1 / 74 | 24.70 | 20.90 | 0.123 | 33.01 | -12.11 |
| | | 2682.5 | -3.80 | 1 / 74 | 24.69 | 20.89 | 0.123 | 33.01 | -12.12 |
| | 16-QAM | 2682.5 | -3.80 | 1 / 74 | 23.77 | 19.97 | 0.099 | 33.01 | -13.04 |
| | 64-QAM | 2593.0 | -3.80 | 1 / 37 | 22.65 | 18.85 | 0.077 | 33.01 | -14.16 |
| | 256-QAM | 2593.0 | -3.80 | 1 / 0 | 20.71 | 16.91 | 0.049 | 33.01 | -16.10 |
| 20 MHz | QPSK | 2506.0 | -3.80 | 1 / 99 | 24.26 | 20.46 | 0.111 | 33.01 | -12.55 |
| | | 2593.0 | -3.80 | 1 / 99 | 24.66 | 20.86 | 0.122 | 33.01 | -12.15 |
| | | 2680.0 | -3.80 | 1 / 99 | 24.70 | 20.90 | 0.123 | 33.01 | -12.11 |
| | 16-QAM | 2593.0 | -3.80 | 1 / 99 | 23.94 | 20.14 | 0.103 | 33.01 | -12.87 |
| | 64-QAM | 2593.0 | -3.80 | 1 / 0 | 22.66 | 18.86 | 0.077 | 33.01 | -14.15 |
| | 256-QAM | 2593.0 | -3.80 | 1 / 0 | 20.72 | 16.92 | 0.049 | 33.01 | -16.09 |


Table 7-17. Antenna 1b EIRP Data (LTE Band 41(PC3))

| | | | |
|--|---|----------------------------|---------------------------------|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
| Test Report S/N: 1C2106080049-04-R1.BCG | Test Dates: 6/2/2021 - 8/26/2021 | EUT Type: Tablet Device | Page 176 of 250 |

NR Band n30

| 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 | 2307.5 | -2.60 | 1 / 23 | 18.20 | 15.60 | 0.036 | 23.98 | -8.38 |
| | | 2310.0 | -2.60 | 1 / 1 | 17.61 | 15.01 | 0.032 | 23.98 | -8.97 |
| | | 2312.5 | -2.60 | 1 / 1 | 17.58 | 14.98 | 0.031 | 23.98 | -9.00 |
| | QPSK | 2307.5 | -2.60 | 1 / 12 | 18.13 | 15.53 | 0.036 | 23.98 | -8.45 |
| | | 2310.0 | -2.60 | 1 / 23 | 18.20 | 15.60 | 0.036 | 23.98 | -8.38 |
| | | 2312.5 | -2.60 | 1 / 1 | 18.16 | 15.56 | 0.036 | 23.98 | -8.42 |
| | 16-QAM | 2312.5 | -2.60 | 1 / 23 | 17.61 | 15.01 | 0.032 | 23.98 | -8.97 |
| | 64-QAM | 2312.5 | -2.60 | 1 / 23 | 16.98 | 14.38 | 0.027 | 23.98 | -9.60 |
| 10 MHz | 256-QAM | 2307.5 | -2.60 | 1 / 12 | 14.43 | 11.83 | 0.015 | 23.98 | -12.15 |
| | $\pi/2$ BPSK | 2310.0 | -2.60 | 1 / 50 | 18.20 | 15.60 | 0.036 | 23.98 | -8.38 |
| | QPSK | 2310.0 | -2.60 | 1 / 50 | 18.20 | 15.60 | 0.036 | 23.98 | -8.38 |
| | 16-QAM | 2310.0 | -2.60 | 1 / 1 | 17.45 | 14.85 | 0.031 | 23.98 | -9.13 |
| | 64-QAM | 2310.0 | -2.60 | 1 / 1 | 17.04 | 14.44 | 0.028 | 23.98 | -9.54 |
| | 256-QAM | 2310.0 | -2.60 | 1 / 50 | 14.41 | 11.81 | 0.015 | 23.98 | -12.17 |


Table 7-18. Antenna 1b EIRP Data (NR Band n30)

| | | | |
|---|---|-----------------------------------|--|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
| Test Report S/N: 1C2106080049-04-R1.BCG | Test Dates: 6/2/2021 - 8/26/2021 | EUT Type: Tablet Device | Page 177 of 250 |

NR Band n7

| 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 | 2502.5 | -2.80 | 1 / 1 | 22.65 | 19.85 | 0.097 | 33.01 | -13.16 |
| | | 2535.0 | -2.80 | 1 / 12 | 22.66 | 19.86 | 0.097 | 33.01 | -13.15 |
| | | 2567.5 | -2.80 | 1 / 12 | 22.51 | 19.71 | 0.094 | 33.01 | -13.30 |
| | QPSK | 2502.5 | -2.80 | 1 / 12 | 22.68 | 19.88 | 0.097 | 33.01 | -13.13 |
| | | 2535.0 | -2.80 | 1 / 12 | 22.63 | 19.83 | 0.096 | 33.01 | -13.18 |
| | | 2567.5 | -2.80 | 1 / 12 | 22.70 | 19.90 | 0.098 | 33.01 | -13.11 |
| | 16-QAM | 2535.0 | -2.80 | 1 / 23 | 22.16 | 19.36 | 0.086 | 33.01 | -13.65 |
| | 64-QAM | 2567.5 | -2.80 | 1 / 12 | 21.06 | 18.26 | 0.067 | 33.01 | -14.76 |
| 256-QAM | 2567.5 | -2.80 | 1 / 12 | 18.88 | 16.08 | 0.041 | 33.01 | -16.93 | |
| 10 MHz | π/2 BPSK | 2505.0 | -2.80 | 1 / 1 | 22.70 | 19.90 | 0.098 | 33.01 | -13.11 |
| | | 2535.0 | -2.80 | 1 / 1 | 22.63 | 19.83 | 0.096 | 33.01 | -13.18 |
| | | 2565.0 | -2.80 | 1 / 1 | 22.44 | 19.64 | 0.092 | 33.01 | -13.37 |
| | QPSK | 2505.0 | -2.80 | 1 / 1 | 22.47 | 19.67 | 0.093 | 33.01 | -13.34 |
| | | 2535.0 | -2.80 | 1 / 1 | 22.48 | 19.68 | 0.093 | 33.01 | -13.33 |
| | | 2565.0 | -2.80 | 1 / 1 | 22.53 | 19.73 | 0.094 | 33.01 | -13.28 |
| | 16-QAM | 2565.0 | -2.80 | 1 / 50 | 21.76 | 18.96 | 0.079 | 33.01 | -14.05 |
| | 64-QAM | 2535.0 | -2.80 | 1 / 1 | 21.09 | 18.29 | 0.067 | 33.01 | -14.72 |
| 256-QAM | 2535.0 | -2.80 | 1 / 1 | 18.98 | 16.18 | 0.041 | 33.01 | -16.83 | |
| 15 MHz | π/2 BPSK | 2507.5 | -2.80 | 1 / 77 | 22.53 | 19.73 | 0.094 | 33.01 | -13.28 |
| | | 2535.0 | -2.80 | 1 / 1 | 22.52 | 19.72 | 0.094 | 33.01 | -13.29 |
| | | 2562.5 | -2.80 | 1 / 77 | 22.68 | 19.88 | 0.097 | 33.01 | -13.13 |
| | QPSK | 2507.5 | -2.80 | 1 / 77 | 22.49 | 19.69 | 0.093 | 33.01 | -13.32 |
| | | 2535.0 | -2.80 | 1 / 1 | 22.70 | 19.90 | 0.098 | 33.01 | -13.11 |
| | | 2562.5 | -2.80 | 1 / 1 | 22.50 | 19.70 | 0.093 | 33.01 | -13.31 |
| | 16-QAM | 2562.5 | -2.80 | 1 / 77 | 21.97 | 19.17 | 0.083 | 33.01 | -13.84 |
| | 64-QAM | 2562.5 | -2.80 | 1 / 37 | 21.04 | 18.24 | 0.067 | 33.01 | -14.77 |
| 256-QAM | 2562.5 | -2.80 | 1 / 37 | 19.07 | 16.27 | 0.042 | 33.01 | -16.75 | |
| 20 MHz | π/2 BPSK | 2510.0 | -2.80 | 1 / 1 | 22.46 | 19.66 | 0.093 | 33.01 | -13.35 |
| | | 2535.0 | -2.80 | 1 / 53 | 22.49 | 19.69 | 0.093 | 33.01 | -13.32 |
| | | 2560.0 | -2.80 | 1 / 53 | 22.47 | 19.67 | 0.093 | 33.01 | -13.35 |
| | QPSK | 2510.0 | -2.80 | 1 / 104 | 22.70 | 19.90 | 0.098 | 33.01 | -13.11 |
| | | 2535.0 | -2.80 | 1 / 53 | 22.38 | 19.58 | 0.091 | 33.01 | -13.43 |
| | | 2560.0 | -2.80 | 1 / 53 | 22.58 | 19.78 | 0.095 | 33.01 | -13.23 |
| | 16-QAM | 2560.0 | -2.80 | 1 / 1 | 21.51 | 18.71 | 0.074 | 33.01 | -14.30 |
| | 64-QAM | 2560.0 | -2.80 | 1 / 1 | 21.05 | 18.25 | 0.067 | 33.01 | -14.76 |
| 256-QAM | 2560.0 | -2.80 | 1 / 1 | 18.96 | 16.16 | 0.041 | 33.01 | -16.85 | |
| 25 MHz | π/2 BPSK | 2512.5 | -2.80 | 1 / 1 | 20.65 | 17.85 | 0.061 | 33.01 | -15.16 |
| | | 2535.0 | -2.80 | 1 / 66 | 20.70 | 17.90 | 0.062 | 33.01 | -15.11 |
| | | 2567.5 | -2.80 | 1 / 66 | 20.50 | 17.70 | 0.059 | 33.01 | -15.31 |
| | QPSK | 2512.5 | -2.80 | 1 / 131 | 20.55 | 17.75 | 0.060 | 33.01 | -15.26 |
| | | 2535.0 | -2.80 | 1 / 1 | 20.70 | 17.90 | 0.062 | 33.01 | -15.11 |
| | | 2567.5 | -2.80 | 1 / 1 | 20.40 | 17.60 | 0.057 | 33.01 | -15.41 |
| | 16-QAM | 2535.0 | -2.80 | 1 / 131 | 19.62 | 16.82 | 0.048 | 33.01 | -16.19 |
| | 64-QAM | 2535.0 | -2.80 | 1 / 1 | 18.82 | 16.02 | 0.040 | 33.01 | -16.99 |
| 256-QAM | 2512.5 | -2.80 | 1 / 1 | 16.97 | 14.17 | 0.026 | 33.01 | -18.84 | |
| 30 MHz | π/2 BPSK | 2515.0 | -2.80 | 1 / 80 | 20.36 | 17.56 | 0.057 | 33.01 | -15.45 |
| | | 2535.0 | -2.80 | 1 / 80 | 20.52 | 17.72 | 0.059 | 33.01 | -15.29 |
| | | 2555.0 | -2.80 | 1 / 1 | 20.46 | 17.66 | 0.058 | 33.01 | -15.35 |
| | QPSK | 2515.0 | -2.80 | 1 / 80 | 20.63 | 17.83 | 0.061 | 33.01 | -15.18 |
| | | 2535.0 | -2.80 | 1 / 80 | 20.70 | 17.90 | 0.062 | 33.01 | -15.11 |
| | | 2555.0 | -2.80 | 1 / 80 | 20.52 | 17.72 | 0.059 | 33.01 | -15.29 |
| | 16-QAM | 2515.0 | -2.80 | 1 / 1 | 19.84 | 17.04 | 0.051 | 33.01 | -15.97 |
| | 64-QAM | 2535.0 | -2.80 | 1 / 1 | 18.86 | 16.06 | 0.040 | 33.01 | -16.96 |
| 256-QAM | 2535.0 | -2.80 | 1 / 1 | 16.99 | 14.19 | 0.026 | 33.01 | -18.82 | |
| 40 MHz | π/2 BPSK | 2520.0 | -2.80 | 1 / 1 | 20.52 | 17.72 | 0.059 | 33.01 | -15.29 |
| | | 2535.0 | -2.80 | 1 / 108 | 20.31 | 17.51 | 0.056 | 33.01 | -15.50 |
| | | 2550.0 | -2.80 | 1 / 214 | 20.70 | 17.90 | 0.062 | 33.01 | -15.11 |
| | QPSK | 2520.0 | -2.80 | 1 / 1 | 20.43 | 17.63 | 0.058 | 33.01 | -15.38 |
| | | 2535.0 | -2.80 | 1 / 108 | 20.53 | 17.73 | 0.059 | 33.01 | -15.28 |
| | | 2550.0 | -2.80 | 1 / 1 | 20.47 | 17.67 | 0.059 | 33.01 | -15.34 |
| | 16-QAM | 2550.0 | -2.80 | 1 / 214 | 19.46 | 16.66 | 0.046 | 33.01 | -16.35 |
| | 64-QAM | 2550.0 | -2.80 | 1 / 108 | 18.83 | 16.03 | 0.040 | 33.01 | -16.98 |
| 256-QAM | 2520.0 | -2.80 | 1 / 108 | 17.00 | 14.20 | 0.026 | 33.01 | -18.81 | |


Table 7-19. Antenna 1b EIRP Data (NR Band n7)

| | | | |
|--|---|----------------------------|---------------------------------|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
| Test Report S/N: 1C2106080049-04-R1.BCG | Test Dates: 6/2/2021 - 8/26/2021 | EUT Type: Tablet Device | Page 178 of 250 |

NR Band n41 (PC2)

| Bandwidth | Mod. | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|----------|-----------------|-----------------|----------------|-----------------------|------------|--------------|------------------|-------------|
| 20 MHz | π/2 BPSK | 2506.0 | -3.80 | 1 / 25 | 27.59 | 23.79 | 0.239 | 33.01 | -9.22 |
| | | 2593.0 | -3.80 | 1 / 25 | 27.38 | 23.58 | 0.228 | 33.01 | -9.44 |
| | | 2680.0 | -3.80 | 1 / 49 | 27.70 | 23.90 | 0.245 | 33.01 | -9.11 |
| | QPSK | 2506.0 | -3.80 | 1 / 49 | 27.66 | 23.86 | 0.243 | 33.01 | -9.15 |
| | | 2593.0 | -3.80 | 1 / 49 | 27.62 | 23.82 | 0.241 | 33.01 | -9.19 |
| | | 2680.0 | -3.80 | 1 / 1 | 27.70 | 23.90 | 0.245 | 33.01 | -9.11 |
| | 16-QAM | 2593.0 | -3.80 | 1 / 25 | 26.72 | 22.92 | 0.196 | 33.01 | -10.09 |
| | 64-QAM | 2506.0 | -3.80 | 1 / 49 | 25.53 | 21.73 | 0.149 | 33.01 | -11.28 |
| 30 MHz | π/2 BPSK | 2511.0 | -3.80 | 1 / 53 | 27.54 | 23.74 | 0.236 | 33.01 | -9.27 |
| | | 2593.0 | -3.80 | 1 / 53 | 27.29 | 23.49 | 0.224 | 33.01 | -9.52 |
| | | 2675.0 | -3.80 | 1 / 53 | 27.70 | 23.90 | 0.245 | 33.01 | -9.11 |
| | QPSK | 2511.0 | -3.80 | 1 / 104 | 27.36 | 23.56 | 0.227 | 33.01 | -9.45 |
| | | 2593.0 | -3.80 | 1 / 104 | 27.60 | 23.80 | 0.240 | 33.01 | -9.21 |
| | | 2675.0 | -3.80 | 1 / 104 | 27.43 | 23.63 | 0.231 | 33.01 | -9.38 |
| | 16-QAM | 2675.0 | -3.80 | 1 / 104 | 26.49 | 22.69 | 0.186 | 33.01 | -10.32 |
| | 64-QAM | 2511.0 | -3.80 | 1 / 1 | 25.36 | 21.56 | 0.143 | 33.01 | -11.45 |
| 40 MHz | π/2 BPSK | 2516.0 | -3.80 | 1 / 53 | 27.34 | 23.54 | 0.226 | 33.01 | -9.47 |
| | | 2593.0 | -3.80 | 1 / 53 | 27.64 | 23.84 | 0.242 | 33.01 | -9.17 |
| | | 2670.0 | -3.80 | 1 / 104 | 27.54 | 23.74 | 0.236 | 33.01 | -9.27 |
| | QPSK | 2516.0 | -3.80 | 1 / 104 | 27.57 | 23.77 | 0.238 | 33.01 | -9.24 |
| | | 2593.0 | -3.80 | 1 / 1 | 27.66 | 23.86 | 0.243 | 33.01 | -9.15 |
| | | 2670.0 | -3.80 | 1 / 53 | 27.70 | 23.90 | 0.245 | 33.01 | -9.11 |
| | 16-QAM | 2516.0 | -3.80 | 1 / 104 | 27.07 | 23.27 | 0.212 | 33.01 | -9.74 |
| | 64-QAM | 2516.0 | -3.80 | 1 / 104 | 25.68 | 21.88 | 0.154 | 33.01 | -11.13 |
| 50 MHz | π/2 BPSK | 2521.0 | -3.80 | 1 / 131 | 27.45 | 23.65 | 0.232 | 33.01 | -9.36 |
| | | 2593.0 | -3.80 | 1 / 1 | 27.65 | 23.85 | 0.243 | 33.01 | -9.16 |
| | | 2665.0 | -3.80 | 1 / 1 | 27.70 | 23.90 | 0.245 | 33.01 | -9.11 |
| | QPSK | 2521.0 | -3.80 | 1 / 131 | 27.67 | 23.87 | 0.244 | 33.01 | -9.14 |
| | | 2593.0 | -3.80 | 1 / 66 | 27.61 | 23.81 | 0.240 | 33.01 | -9.20 |
| | | 2665.0 | -3.80 | 1 / 66 | 27.67 | 23.87 | 0.244 | 33.01 | -9.14 |
| | 16-QAM | 2521.0 | -3.80 | 1 / 131 | 26.80 | 23.00 | 0.200 | 33.01 | -10.01 |
| | 64-QAM | 2665.0 | -3.80 | 1 / 66 | 25.41 | 21.61 | 0.145 | 33.01 | -11.40 |
| 60 MHz | π/2 BPSK | 2526.0 | -3.80 | 1 / 81 | 27.15 | 23.35 | 0.216 | 33.01 | -9.66 |
| | | 2593.0 | -3.80 | 1 / 160 | 27.39 | 23.59 | 0.229 | 33.01 | -9.42 |
| | | 2660.0 | -3.80 | 1 / 160 | 27.70 | 23.90 | 0.245 | 33.01 | -9.11 |
| | QPSK | 2526.0 | -3.80 | 1 / 81 | 27.39 | 23.59 | 0.229 | 33.01 | -9.42 |
| | | 2593.0 | -3.80 | 1 / 1 | 27.66 | 23.86 | 0.243 | 33.01 | -9.15 |
| | | 2660.0 | -3.80 | 1 / 160 | 27.70 | 23.90 | 0.245 | 33.01 | -9.11 |
| | 16-QAM | 2593.0 | -3.80 | 1 / 160 | 27.03 | 23.23 | 0.210 | 33.01 | -9.78 |
| | 64-QAM | 2593.0 | -3.80 | 1 / 160 | 25.41 | 21.61 | 0.145 | 33.01 | -11.40 |
| 80 MHz | π/2 BPSK | 2536.0 | -3.80 | 1 / 108 | 27.42 | 23.62 | 0.230 | 33.01 | -9.39 |
| | | 2593.0 | -3.80 | 1 / 215 | 27.53 | 23.73 | 0.236 | 33.01 | -9.28 |
| | | 2650.0 | -3.80 | 1 / 108 | 27.66 | 23.86 | 0.243 | 33.01 | -9.15 |
| | QPSK | 2536.0 | -3.80 | 1 / 215 | 27.25 | 23.45 | 0.222 | 33.01 | -9.56 |
| | | 2593.0 | -3.80 | 1 / 108 | 27.45 | 23.65 | 0.232 | 33.01 | -9.36 |
| | | 2650.0 | -3.80 | 1 / 215 | 27.55 | 23.75 | 0.237 | 33.01 | -9.26 |
| | 16-QAM | 2593.0 | -3.80 | 1 / 215 | 26.61 | 22.81 | 0.191 | 33.01 | -10.20 |
| | 64-QAM | 2650.0 | -3.80 | 1 / 215 | 25.46 | 21.66 | 0.147 | 33.01 | -11.35 |
| 90 MHz | π/2 BPSK | 2541.0 | -3.80 | 1 / 243 | 27.60 | 23.80 | 0.240 | 33.01 | -9.21 |
| | | 2593.0 | -3.80 | 1 / 243 | 27.61 | 23.81 | 0.240 | 33.01 | -9.21 |
| | | 2645.0 | -3.80 | 1 / 243 | 27.42 | 23.62 | 0.230 | 33.01 | -9.39 |
| | QPSK | 2541.0 | -3.80 | 1 / 122 | 27.44 | 23.64 | 0.231 | 33.01 | -9.37 |
| | | 2593.0 | -3.80 | 1 / 243 | 27.67 | 23.87 | 0.244 | 33.01 | -9.14 |
| | | 2645.0 | -3.80 | 1 / 122 | 27.66 | 23.86 | 0.243 | 33.01 | -9.15 |
| | 16-QAM | 2593.0 | -3.80 | 1 / 122 | 26.51 | 22.71 | 0.187 | 33.01 | -10.30 |
| | 64-QAM | 2645.0 | -3.80 | 1 / 243 | 25.51 | 21.71 | 0.148 | 33.01 | -11.30 |
| 100 MHz | π/2 BPSK | 2546.0 | -3.80 | 1 / 136 | 27.30 | 23.50 | 0.224 | 33.01 | -9.52 |
| | | 2593.0 | -3.80 | 1 / 271 | 27.54 | 23.74 | 0.237 | 33.01 | -9.27 |
| | | 2640.0 | -3.80 | 1 / 136 | 27.55 | 23.75 | 0.237 | 33.01 | -9.26 |
| | QPSK | 2546.0 | -3.80 | 1 / 271 | 27.38 | 23.58 | 0.228 | 33.01 | -9.43 |
| | | 2593.0 | -3.80 | 1 / 271 | 27.48 | 23.68 | 0.233 | 33.01 | -9.33 |
| | | 2640.0 | -3.80 | 1 / 271 | 27.70 | 23.90 | 0.245 | 33.01 | -9.11 |
| | 16-QAM | 2640.0 | -3.80 | 1 / 271 | 26.85 | 23.05 | 0.202 | 33.01 | -9.96 |
| | 64-QAM | 2546.0 | -3.80 | 1 / 271 | 25.30 | 21.50 | 0.141 | 33.01 | -11.51 |
| 256-QAM | QPSK | 2640.0 | -3.80 | 1 / 136 | 23.05 | 19.25 | 0.084 | 33.01 | -13.76 |


Table 7-20. Antenna 1b EIRP Data (NR Band n41)

| | | | |
|--|---|----------------------------|---------------------------------|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
| Test Report S/N: 1C2106080049-04-R1.BCG | Test Dates: 6/2/2021 - 8/26/2021 | EUT Type: Tablet Device | Page 179 of 250 |

NR Band n41 (PC3)

| Bandwidth | Mod. | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|----------|-----------------|-----------------|----------------|-----------------------|------------|--------------|------------------|-------------|
| 20 MHz | π/2 BPSK | 2506.0 | -3.80 | 1 / 49 | 25.52 | 21.72 | 0.148 | 33.01 | -11.29 |
| | | 2593.0 | -3.80 | 1 / 1 | 25.43 | 21.63 | 0.146 | 33.01 | -11.38 |
| | | 2680.0 | -3.80 | 1 / 1 | 25.58 | 21.78 | 0.151 | 33.01 | -11.23 |
| | QPSK | 2506.0 | -3.80 | 1 / 25 | 25.07 | 21.27 | 0.134 | 33.01 | -11.74 |
| | | 2593.0 | -3.80 | 1 / 1 | 25.61 | 21.81 | 0.152 | 33.01 | -11.20 |
| | | 2680.0 | -3.80 | 1 / 49 | 25.70 | 21.90 | 0.155 | 33.01 | -11.11 |
| | 16-QAM | 2593.0 | -3.80 | 1 / 1 | 24.67 | 20.87 | 0.122 | 33.01 | -12.14 |
| | 64-QAM | 2593.0 | -3.80 | 1 / 1 | 23.95 | 20.15 | 0.104 | 33.01 | -12.86 |
| | 256-QAM | 2680.0 | -3.80 | 1 / 1 | 21.47 | 17.67 | 0.058 | 33.01 | -15.34 |
| 30 MHz | π/2 BPSK | 2511.0 | -3.80 | 1 / 1 | 25.51 | 21.71 | 0.148 | 33.01 | -11.30 |
| | | 2593.0 | -3.80 | 1 / 1 | 25.62 | 21.82 | 0.152 | 33.01 | -11.19 |
| | | 2675.0 | -3.80 | 1 / 1 | 25.58 | 21.78 | 0.151 | 33.01 | -11.23 |
| | QPSK | 2511.0 | -3.80 | 1 / 1 | 25.62 | 21.82 | 0.152 | 33.01 | -11.19 |
| | | 2593.0 | -3.80 | 1 / 1 | 25.69 | 21.89 | 0.155 | 33.01 | -11.12 |
| | | 2675.0 | -3.80 | 1 / 1 | 25.66 | 21.86 | 0.153 | 33.01 | -11.15 |
| | 16-QAM | 2675.0 | -3.80 | 1 / 53 | 24.67 | 20.87 | 0.122 | 33.01 | -12.14 |
| | 64-QAM | 2593.0 | -3.80 | 1 / 53 | 23.88 | 20.08 | 0.102 | 33.01 | -12.93 |
| | 256-QAM | 2675.0 | -3.80 | 1 / 53 | 20.71 | 16.91 | 0.049 | 33.01 | -16.10 |
| 40 MHz | π/2 BPSK | 2516.0 | -3.80 | 1 / 53 | 25.64 | 21.84 | 0.153 | 33.01 | -11.17 |
| | | 2593.0 | -3.80 | 1 / 104 | 25.60 | 21.80 | 0.151 | 33.01 | -11.21 |
| | | 2670.0 | -3.80 | 1 / 104 | 25.51 | 21.71 | 0.148 | 33.01 | -11.30 |
| | QPSK | 2516.0 | -3.80 | 1 / 104 | 25.45 | 21.65 | 0.146 | 33.01 | -11.36 |
| | | 2593.0 | -3.80 | 1 / 104 | 25.70 | 21.90 | 0.155 | 33.01 | -11.11 |
| | | 2670.0 | -3.80 | 1 / 53 | 25.42 | 21.62 | 0.145 | 33.01 | -11.39 |
| | 16-QAM | 2670.0 | -3.80 | 1 / 1 | 24.37 | 20.57 | 0.114 | 33.01 | -12.44 |
| | 64-QAM | 2670.0 | -3.80 | 1 / 53 | 23.53 | 19.73 | 0.094 | 33.01 | -13.28 |
| | 256-QAM | 2670.0 | -3.80 | 1 / 104 | 21.49 | 17.69 | 0.059 | 33.01 | -15.32 |
| 50 MHz | π/2 BPSK | 2521.0 | -3.80 | 1 / 66 | 25.64 | 21.84 | 0.153 | 33.01 | -11.18 |
| | | 2593.0 | -3.80 | 1 / 131 | 25.37 | 21.57 | 0.143 | 33.01 | -11.44 |
| | | 2665.0 | -3.80 | 1 / 66 | 25.52 | 21.72 | 0.149 | 33.01 | -11.29 |
| | QPSK | 2521.0 | -3.80 | 1 / 131 | 25.70 | 21.90 | 0.155 | 33.01 | -11.11 |
| | | 2593.0 | -3.80 | 1 / 66 | 25.31 | 21.51 | 0.141 | 33.01 | -11.50 |
| | | 2665.0 | -3.80 | 1 / 131 | 25.69 | 21.89 | 0.155 | 33.01 | -11.12 |
| | 16-QAM | 2521.0 | -3.80 | 1 / 66 | 25.03 | 21.23 | 0.133 | 33.01 | -11.78 |
| | 64-QAM | 2521.0 | -3.80 | 1 / 66 | 23.87 | 20.07 | 0.102 | 33.01 | -12.94 |
| | 256-QAM | 2665.0 | -3.80 | 1 / 66 | 21.47 | 17.67 | 0.058 | 33.01 | -15.34 |
| 60 MHz | π/2 BPSK | 2526.0 | -3.80 | 1 / 81 | 25.33 | 21.53 | 0.142 | 33.01 | -11.48 |
| | | 2593.0 | -3.80 | 1 / 81 | 25.63 | 21.83 | 0.152 | 33.01 | -11.18 |
| | | 2660.0 | -3.80 | 1 / 160 | 25.50 | 21.70 | 0.148 | 33.01 | -11.31 |
| | QPSK | 2526.0 | -3.80 | 1 / 160 | 25.70 | 21.90 | 0.155 | 33.01 | -11.11 |
| | | 2593.0 | -3.80 | 1 / 160 | 25.52 | 21.72 | 0.149 | 33.01 | -11.29 |
| | | 2660.0 | -3.80 | 1 / 160 | 25.59 | 21.79 | 0.151 | 33.01 | -11.22 |
| | 16-QAM | 2660.0 | -3.80 | 1 / 160 | 24.44 | 20.64 | 0.116 | 33.01 | -12.37 |
| | 64-QAM | 2660.0 | -3.80 | 1 / 1 | 23.56 | 19.76 | 0.095 | 33.01 | -13.25 |
| | 256-QAM | 2660.0 | -3.80 | 1 / 1 | 21.48 | 17.68 | 0.059 | 33.01 | -15.33 |
| 80 MHz | π/2 BPSK | 2536.0 | -3.80 | 1 / 108 | 25.51 | 21.71 | 0.148 | 33.01 | -11.30 |
| | | 2593.0 | -3.80 | 1 / 108 | 25.62 | 21.82 | 0.152 | 33.01 | -11.19 |
| | | 2650.0 | -3.80 | 1 / 1 | 25.67 | 21.87 | 0.154 | 33.01 | -11.14 |
| | QPSK | 2536.0 | -3.80 | 1 / 108 | 25.62 | 21.82 | 0.152 | 33.01 | -11.19 |
| | | 2593.0 | -3.80 | 1 / 108 | 25.69 | 21.89 | 0.155 | 33.01 | -11.12 |
| | | 2650.0 | -3.80 | 1 / 215 | 25.70 | 21.90 | 0.155 | 33.01 | -11.11 |
| | 16-QAM | 2593.0 | -3.80 | 1 / 215 | 24.46 | 20.66 | 0.116 | 33.01 | -12.35 |
| | 64-QAM | 2593.0 | -3.80 | 1 / 215 | 23.86 | 20.06 | 0.101 | 33.01 | -12.95 |
| | 256-QAM | 2593.0 | -3.80 | 1 / 215 | 21.16 | 17.36 | 0.055 | 33.01 | -15.65 |
| 90 MHz | π/2 BPSK | 2541.0 | -3.80 | 1 / 122 | 25.61 | 21.81 | 0.152 | 33.01 | -11.20 |
| | | 2593.0 | -3.80 | 1 / 243 | 25.53 | 21.73 | 0.149 | 33.01 | -11.28 |
| | | 2645.0 | -3.80 | 1 / 243 | 25.70 | 21.90 | 0.155 | 33.01 | -11.11 |
| | QPSK | 2541.0 | -3.80 | 1 / 122 | 25.68 | 21.88 | 0.154 | 33.01 | -11.13 |
| | | 2593.0 | -3.80 | 1 / 243 | 25.68 | 21.88 | 0.154 | 33.01 | -11.13 |
| | | 2645.0 | -3.80 | 1 / 243 | 25.51 | 21.71 | 0.148 | 33.01 | -11.30 |
| | 16-QAM | 2645.0 | -3.80 | 1 / 1 | 24.55 | 20.75 | 0.119 | 33.01 | -12.26 |
| | 64-QAM | 2645.0 | -3.80 | 1 / 243 | 24.14 | 20.34 | 0.108 | 33.01 | -12.67 |
| | 256-QAM | 2645.0 | -3.80 | 1 / 1 | 21.14 | 17.34 | 0.054 | 33.01 | -15.67 |
| 100 MHz | π/2 BPSK | 2546.0 | -3.80 | 1 / 136 | 25.59 | 21.79 | 0.151 | 33.01 | -11.22 |
| | | 2593.0 | -3.80 | 1 / 136 | 25.67 | 21.87 | 0.154 | 33.01 | -11.14 |
| | | 2640.0 | -3.80 | 1 / 136 | 25.62 | 21.82 | 0.152 | 33.01 | -11.19 |
| | QPSK | 2546.0 | -3.80 | 1 / 271 | 25.68 | 21.88 | 0.154 | 33.01 | -11.13 |
| | | 2593.0 | -3.80 | 1 / 271 | 25.54 | 21.74 | 0.149 | 33.01 | -11.27 |
| | | 2640.0 | -3.80 | 1 / 136 | 25.70 | 21.90 | 0.155 | 33.01 | -11.11 |
| | 16-QAM | 2640.0 | -3.80 | 1 / 271 | 24.71 | 20.91 | 0.123 | 33.01 | -12.10 |
| | 64-QAM | 2593.0 | -3.80 | 1 / 271 | 23.85 | 20.05 | 0.101 | 33.01 | -12.96 |
| | 256-QAM | 2593.0 | -3.80 | 1 / 271 | 21.20 | 17.40 | 0.055 | 33.01 | -15.61 |

Table 7-21. Antenna 1b EIRP Data (NR Band n41)

| | | | |
|--|---|----------------------------|---------------------------------|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
| Test Report S/N: 1C2106080049-04-R1.BCG | Test Dates: 6/2/2021 - 8/26/2021 | EUT Type: Tablet Device | Page 180 of 250 |

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Version 2.0, 5/21/2021

ULCA - Band 7

| Power State | Band | Bandwidth (PCC + SCC) | PCC | | | | | SCC | | | | | ULCA Tx. Power [dBm] | Ant. Gain [dBi] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] | | |
|-------------|--------|-----------------------|------------|------------|--------------|---------|--------------|------------|------------|--------------|---------|--------------|----------------------|-----------------|------------|--------------|------------------|-------------|-------|--------|
| | | | Modulation | UL Channel | UL Frequency | UL # RB | UL RB Offset | Modulation | UL Channel | UL Frequency | UL # RB | UL RB Offset | | | | | | | | |
| Max | LTE B7 | 20MHz + 20MHz | QPSK | 20850 | 2510.0 | 1 | 99 | QPSK | 21048 | 2529.8 | 1 | 0 | 22.89 | -2.80 | 20.09 | 0.102 | 33.01 | -12.92 | | |
| | | | | 21100 | 2535.0 | 1 | 99 | | 21298 | 2554.8 | 1 | 0 | 23 | -2.80 | 20.20 | 0.105 | 33.01 | -12.81 | | |
| | | | | 21350 | 2560.0 | 1 | 0 | | 21152 | 2540.2 | 1 | 99 | 22.95 | -2.80 | 20.15 | 0.104 | 33.01 | -12.86 | | |
| | | | QPSK | 21100 | 2535 | 100 | 0 | QPSK | 21298 | 2554.8 | 100 | 0 | 20.73 | -2.80 | 17.93 | 0.062 | 33.01 | -15.08 | | |
| | | | | 16-QAM | 21100 | 2535 | 100 | | 0 | 16-QAM | 21298 | 2554.8 | 100 | 0 | 19.75 | -2.80 | 16.95 | 0.050 | 33.01 | -16.06 |
| | | | | 64-QAM | 21100 | 2535 | 100 | | 0 | 64-QAM | 21298 | 2554.8 | 100 | 0 | 18.72 | -2.80 | 15.92 | 0.039 | 33.01 | -17.09 |
| | | | 256-QAM | 21100 | 2535 | 100 | 0 | 256-QAM | 21298 | 2554.8 | 100 | 0 | 17.74 | -2.80 | 14.94 | 0.031 | 33.01 | -18.07 | | |

Table 7-22. Antenna 1b EIRP Data (ULCA LTE Band 7)

ULCA - Band 41 (PC2)


| Power State | Band | Bandwidth (PCC + SCC) | PCC | | | | | SCC | | | | | ULCA Tx. Power [dBm] | Ant. Gain [dBi] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-------------|---------------|-----------------------|------------|------------|--------------|---------|--------------|------------|------------|--------------|---------|--------------|----------------------|-----------------|------------|--------------|------------------|-------------|
| | | | Modulation | UL Channel | UL Frequency | UL # RB | UL RB Offset | Modulation | UL Channel | UL Frequency | UL # RB | UL RB Offset | | | | | | |
| Max | LTE B41 (PC2) | 20MHz + 20MHz | QPSK | 39750 | 2506.0 | 1 | 99 | QPSK | 39948 | 2525.8 | 1 | 0 | 24.6 | -3.80 | 20.80 | 0.120 | 33.01 | -12.21 |
| | | | | 40620 | 2593.0 | 1 | 99 | | 40818 | 2612.8 | 1 | 0 | 24.83 | -3.80 | 21.03 | 0.127 | 33.01 | -11.98 |
| | | | | 41490 | 2680.0 | 1 | 0 | | 41292 | 2660.2 | 1 | 99 | 24.7 | -3.80 | 20.90 | 0.123 | 33.01 | -12.11 |
| | | | QPSK | 40620 | 2593 | 100 | 0 | QPSK | 40818 | 2612.8 | 100 | 0 | 23.01 | -3.80 | 19.21 | 0.083 | 33.01 | -13.80 |
| | | | 16-QAM | 40620 | 2593 | 100 | 0 | 16-QAM | 40818 | 2612.8 | 100 | 0 | 22.03 | -3.80 | 18.23 | 0.067 | 33.01 | -14.78 |
| | | | 64-QAM | 40620 | 2593 | 100 | 0 | 64-QAM | 40818 | 2612.8 | 100 | 0 | 21.2 | -3.80 | 17.40 | 0.055 | 33.01 | -15.61 |
| | | | 256-QAM | 40620 | 2593 | 100 | 0 | 256-QAM | 40818 | 2612.8 | 100 | 0 | 20.07 | -3.80 | 16.27 | 0.042 | 33.01 | -16.74 |

Table 7-23. Antenna 1b EIRP Data (ULCA LTE Band 41 (PC2))

ULCA - Band 41 (PC3)

| Power State | Band | Bandwidth (PCC + SCC) | PCC | | | | | SCC | | | | | ULCA Tx. Power [dBm] | Ant. Gain [dBi] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] | | |
|-------------|---------------|-----------------------|------------|------------|--------------|---------|--------------|------------|------------|--------------|---------|--------------|----------------------|-----------------|------------|--------------|------------------|-------------|-------|--------|
| | | | Modulation | UL Channel | UL Frequency | UL # RB | UL RB Offset | Modulation | UL Channel | UL Frequency | UL # RB | UL RB Offset | | | | | | | | |
| Max | LTE B41 (PC3) | 20MHz + 20MHz | QPSK | 39750 | 2506.0 | 1 | 99 | QPSK | 39948 | 2525.8 | 1 | 0 | 24.85 | -3.80 | 21.05 | 0.127 | 33.01 | -11.96 | | |
| | | | | 40620 | 2593.0 | 1 | 99 | | 40818 | 2612.8 | 1 | 0 | 25 | -3.80 | 21.20 | 0.132 | 33.01 | -11.81 | | |
| | | | | 41490 | 2680.0 | 1 | 0 | | 41292 | 2660.2 | 1 | 99 | 24.3 | -3.80 | 20.50 | 0.112 | 33.01 | -12.51 | | |
| | | | QPSK | 40620 | 2593 | 100 | 0 | QPSK | 40818 | 2612.8 | 100 | 0 | 23.24 | -3.80 | 19.44 | 0.088 | 33.01 | -13.57 | | |
| | | | | 16-QAM | 40620 | 2593 | 100 | | 0 | 16-QAM | 40818 | 2612.8 | 100 | 0 | 22.21 | -3.80 | 18.41 | 0.069 | 33.01 | -14.60 |
| | | | | 64-QAM | 40620 | 2593 | 100 | | 0 | 64-QAM | 40818 | 2612.8 | 100 | 0 | 21.25 | -3.80 | 17.45 | 0.056 | 33.01 | -15.56 |
| | | | 256-QAM | 40620 | 2593 | 100 | 0 | 256-QAM | 40818 | 2612.8 | 100 | 0 | 20.25 | -3.80 | 16.45 | 0.044 | 33.01 | -16.56 | | |

Table 7-24. Antenna 1b EIRP Data (ULCA LTE Band 41 (PC3))


| | | | |
|--|---|----------------------------|---------------------------------|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
| Test Report S/N: 1C2106080049-04-R1.BCG | Test Dates: 6/2/2021 - 8/26/2021 | EUT Type: Tablet Device | Page 181 of 250 |

7.6.3 Antenna 3b – EIRP

LTE Band 30

| Bandwidth | Mod. | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|---------|-----------------|-----------------|----------------|-----------------------|--------------|--------------|------------------|-------------|
| 5 MHz | QPSK | 2307.5 | -1.90 | 1 / 12 | 23.97 | 22.07 | 0.161 | 23.98 | -1.91 |
| | | 2310.0 | -1.90 | 1 / 24 | 24.20 | 22.30 | 0.170 | 23.98 | -1.68 |
| | | 2312.5 | -1.90 | 1 / 24 | 24.07 | 22.17 | 0.165 | 23.98 | -1.81 |
| | 16-QAM | 2310.0 | -1.90 | 1 / 24 | 23.72 | 21.82 | 0.152 | 23.98 | -2.16 |
| | 64-QAM | 2312.5 | -1.90 | 1 / 24 | 22.34 | 20.44 | 0.111 | 23.98 | -3.54 |
| 10 MHz | 256-QAM | 2310.0 | -1.90 | 1 / 24 | 20.09 | 18.19 | 0.066 | 23.98 | -5.79 |
| | QPSK | 2310.0 | -1.90 | 1 / 25 | 24.20 | 22.30 | 0.170 | 23.98 | -1.68 |
| | | 2310.0 | -1.90 | 1 / 25 | 23.17 | 21.27 | 0.134 | 23.98 | -2.71 |
| | | 2310.0 | -1.90 | 1 / 25 | 21.94 | 20.04 | 0.101 | 23.98 | -3.94 |
| | 256-QAM | 2310.0 | -1.90 | 1 / 49 | 19.92 | 18.02 | 0.063 | 23.98 | -5.96 |


Table 7-25. Antenna 3b EIRP Data (LTE Band 30)

| | | | |
|---|---|-----------------------------------|--|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
| Test Report S/N: 1C2106080049-04-R1.BCG | Test Dates: 6/2/2021 - 8/26/2021 | EUT Type: Tablet Device | Page 182 of 250 |

LTE Band 7

| Bandwidth | Mod. | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|---------|-----------------|-----------------|----------------|-----------------------|--------------|--------------|------------------|-------------|
| 5 MHz | QPSK | 2502.5 | -4.30 | 1 / 24 | 24.20 | 19.90 | 0.098 | 33.01 | -13.11 |
| | | 2535.0 | -4.30 | 1 / 0 | 24.10 | 19.80 | 0.095 | 33.01 | -13.21 |
| | | 2567.5 | -4.30 | 1 / 24 | 24.03 | 19.73 | 0.094 | 33.01 | -13.28 |
| | 16-QAM | 2535.0 | -4.30 | 1 / 12 | 23.70 | 19.40 | 0.087 | 33.01 | -13.61 |
| | 64-QAM | 2502.5 | -4.30 | 1 / 0 | 22.72 | 18.42 | 0.070 | 33.01 | -14.59 |
| | 256-QAM | 2567.5 | -4.30 | 1 / 0 | 19.90 | 15.60 | 0.036 | 33.01 | -17.41 |
| 10 MHz | QPSK | 2505.0 | -4.30 | 1 / 49 | 24.13 | 19.83 | 0.096 | 33.01 | -13.18 |
| | | 2535.0 | -4.30 | 1 / 25 | 24.07 | 19.77 | 0.095 | 33.01 | -13.24 |
| | | 2565.0 | -4.30 | 1 / 0 | 24.20 | 19.90 | 0.098 | 33.01 | -13.11 |
| | 16-QAM | 2535.0 | -4.30 | 1 / 49 | 23.57 | 19.27 | 0.085 | 33.01 | -13.74 |
| | 64-QAM | 2565.0 | -4.30 | 1 / 49 | 22.60 | 18.30 | 0.068 | 33.01 | -14.71 |
| | 256-QAM | 2565.0 | -4.30 | 1 / 49 | 19.96 | 15.66 | 0.037 | 33.01 | -17.35 |
| 15 MHz | QPSK | 2507.5 | -4.30 | 1 / 0 | 24.20 | 19.90 | 0.098 | 33.01 | -13.11 |
| | | 2535.0 | -4.30 | 1 / 0 | 23.98 | 19.68 | 0.093 | 33.01 | -13.33 |
| | | 2562.5 | -4.30 | 1 / 0 | 24.04 | 19.74 | 0.094 | 33.01 | -13.27 |
| | 16-QAM | 2535.0 | -4.30 | 1 / 0 | 23.48 | 19.18 | 0.083 | 33.01 | -13.83 |
| | 64-QAM | 2507.5 | -4.30 | 1 / 0 | 22.84 | 18.54 | 0.071 | 33.01 | -14.47 |
| | 256-QAM | 2562.5 | -4.30 | 1 / 0 | 19.85 | 15.55 | 0.036 | 33.01 | -17.46 |
| 20 MHz | QPSK | 2510.0 | -4.30 | 1 / 0 | 23.91 | 19.61 | 0.091 | 33.01 | -13.40 |
| | | 2535.0 | -4.30 | 1 / 0 | 24.12 | 19.82 | 0.096 | 33.01 | -13.19 |
| | | 2560.0 | -4.30 | 1 / 99 | 24.20 | 19.90 | 0.098 | 33.01 | -13.11 |
| | 16-QAM | 2535.0 | -4.30 | 1 / 99 | 23.76 | 19.46 | 0.088 | 33.01 | -13.55 |
| | 64-QAM | 2510.0 | -4.30 | 1 / 0 | 22.95 | 18.65 | 0.073 | 33.01 | -14.36 |
| | 256-QAM | 2560.0 | -4.30 | 1 / 0 | 19.85 | 15.55 | 0.036 | 33.01 | -17.46 |


Table 7-26. Antenna 3b EIRP Data (LTE Band 7)

| | | | |
|---|---|-----------------------------------|--|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
| Test Report S/N: 1C2106080049-04-R1.BCG | Test Dates: 6/2/2021 - 8/26/2021 | EUT Type: Tablet Device | Page 183 of 250 |

LTE Band 41 (PC2)

| Bandwidth | Mod. | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|---------|-----------------|-----------------|----------------|-----------------------|--------------|--------------|------------------|-------------|
| 5 MHz | QPSK | 2498.5 | -4.40 | 1 / 24 | 26.12 | 21.72 | 0.149 | 33.01 | -11.29 |
| | | 2593.0 | -4.40 | 1 / 24 | 26.20 | 21.80 | 0.151 | 33.01 | -11.21 |
| | | 2687.5 | -4.40 | 1 / 24 | 26.08 | 21.68 | 0.147 | 33.01 | -11.33 |
| | 16-QAM | 2593.0 | -4.40 | 1 / 0 | 25.80 | 21.40 | 0.138 | 33.01 | -11.61 |
| | 64-QAM | 2593.0 | -4.40 | 1 / 0 | 25.28 | 20.88 | 0.122 | 33.01 | -12.13 |
| | 256-QAM | 2687.5 | -4.40 | 1 / 12 | 22.05 | 17.65 | 0.058 | 33.01 | -15.36 |
| 10 MHz | QPSK | 2501.0 | -4.40 | 1 / 49 | 26.09 | 21.69 | 0.148 | 33.01 | -11.32 |
| | | 2593.0 | -4.40 | 1 / 0 | 26.20 | 21.80 | 0.151 | 33.01 | -11.21 |
| | | 2685.0 | -4.40 | 1 / 49 | 26.19 | 21.79 | 0.151 | 33.01 | -11.22 |
| | 16-QAM | 2593.0 | -4.40 | 1 / 49 | 25.49 | 21.09 | 0.129 | 33.01 | -11.92 |
| | 64-QAM | 2685.0 | -4.40 | 1 / 25 | 24.74 | 20.34 | 0.108 | 33.01 | -12.67 |
| | 256-QAM | 2685.0 | -4.40 | 1 / 25 | 22.04 | 17.64 | 0.058 | 33.01 | -15.37 |
| 15 MHz | QPSK | 2503.5 | -4.40 | 1 / 0 | 26.05 | 21.65 | 0.146 | 33.01 | -11.36 |
| | | 2593.0 | -4.40 | 1 / 0 | 26.20 | 21.80 | 0.151 | 33.01 | -11.21 |
| | | 2682.5 | -4.40 | 1 / 74 | 26.06 | 21.66 | 0.147 | 33.01 | -11.35 |
| | 16-QAM | 2682.5 | -4.40 | 1 / 74 | 25.63 | 21.23 | 0.133 | 33.01 | -11.78 |
| | 64-QAM | 2593.0 | -4.40 | 1 / 74 | 24.83 | 20.43 | 0.110 | 33.01 | -12.58 |
| | 256-QAM | 2593.0 | -4.40 | 1 / 0 | 21.98 | 17.58 | 0.057 | 33.01 | -15.43 |
| 20 MHz | QPSK | 2506.0 | -4.40 | 1 / 99 | 25.86 | 21.46 | 0.140 | 33.01 | -11.55 |
| | | 2593.0 | -4.40 | 1 / 99 | 26.02 | 21.62 | 0.145 | 33.01 | -11.39 |
| | | 2680.0 | -4.40 | 1 / 99 | 26.20 | 21.80 | 0.151 | 33.01 | -11.21 |
| | 16-QAM | 2680.0 | -4.40 | 1 / 99 | 25.75 | 21.35 | 0.136 | 33.01 | -11.66 |
| | 64-QAM | 2680.0 | -4.40 | 1 / 99 | 24.63 | 20.23 | 0.105 | 33.01 | -12.78 |
| | 256-QAM | 2680.0 | -4.40 | 1 / 99 | 22.05 | 17.65 | 0.058 | 33.01 | -15.36 |


Table 7-27. Antenna 3b EIRP Data (LTE Band 41(PC2))

| | | | |
|---|---|-----------------------------------|--|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
| Test Report S/N: 1C2106080049-04-R1.BCG | Test Dates: 6/2/2021 - 8/26/2021 | EUT Type: Tablet Device | Page 184 of 250 |

LTE Band 41 (PC3)

| Bandwidth | Mod. | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|---------|-----------------|-----------------|----------------|-----------------------|--------------|--------------|------------------|-------------|
| 5 MHz | QPSK | 2498.5 | -4.40 | 1 / 24 | 25.58 | 21.18 | 0.131 | 33.01 | -11.83 |
| | | 2593.0 | -4.40 | 1 / 24 | 25.70 | 21.30 | 0.135 | 33.01 | -11.71 |
| | | 2687.5 | -4.40 | 1 / 0 | 25.65 | 21.25 | 0.133 | 33.01 | -11.76 |
| | 16-QAM | 2593.0 | -4.40 | 1 / 12 | 24.99 | 20.59 | 0.115 | 33.01 | -12.42 |
| | 64-QAM | 2593.0 | -4.40 | 1 / 0 | 24.06 | 19.66 | 0.092 | 33.01 | -13.35 |
| | 256-QAM | 2687.5 | -4.40 | 1 / 0 | 21.21 | 16.81 | 0.048 | 33.01 | -16.20 |
| 10 MHz | QPSK | 2501.0 | -4.40 | 1 / 0 | 25.52 | 21.12 | 0.129 | 33.01 | -11.89 |
| | | 2593.0 | -4.40 | 1 / 0 | 25.70 | 21.30 | 0.135 | 33.01 | -11.71 |
| | | 2685.0 | -4.40 | 1 / 49 | 25.56 | 21.16 | 0.131 | 33.01 | -11.85 |
| | 16-QAM | 2593.0 | -4.40 | 1 / 0 | 24.93 | 20.53 | 0.113 | 33.01 | -12.48 |
| | 64-QAM | 2685.0 | -4.40 | 1 / 0 | 23.51 | 19.11 | 0.081 | 33.01 | -13.90 |
| | 256-QAM | 2593.0 | -4.40 | 1 / 0 | 21.24 | 16.84 | 0.048 | 33.01 | -16.17 |
| 15 MHz | QPSK | 2503.5 | -4.40 | 1 / 0 | 25.51 | 21.11 | 0.129 | 33.01 | -11.90 |
| | | 2593.0 | -4.40 | 1 / 74 | 25.70 | 21.30 | 0.135 | 33.01 | -11.71 |
| | | 2682.5 | -4.40 | 1 / 74 | 25.68 | 21.28 | 0.134 | 33.01 | -11.73 |
| | 16-QAM | 2682.5 | -4.40 | 1 / 74 | 24.75 | 20.35 | 0.108 | 33.01 | -12.66 |
| | 64-QAM | 2593.0 | -4.40 | 1 / 74 | 23.67 | 19.27 | 0.085 | 33.01 | -13.74 |
| | 256-QAM | 2593.0 | -4.40 | 1 / 0 | 21.18 | 16.78 | 0.048 | 33.01 | -16.23 |
| 20 MHz | QPSK | 2506.0 | -4.40 | 1 / 0 | 25.49 | 21.09 | 0.129 | 33.01 | -11.92 |
| | | 2593.0 | -4.40 | 1 / 99 | 25.69 | 21.29 | 0.135 | 33.01 | -11.72 |
| | | 2680.0 | -4.40 | 1 / 99 | 25.70 | 21.30 | 0.135 | 33.01 | -11.71 |
| | 16-QAM | 2593.0 | -4.40 | 1 / 99 | 25.01 | 20.61 | 0.115 | 33.01 | -12.40 |
| | 64-QAM | 2680.0 | -4.40 | 1 / 99 | 23.50 | 19.10 | 0.081 | 33.01 | -13.91 |
| | 256-QAM | 2680.0 | -4.40 | 1 / 0 | 21.21 | 16.81 | 0.048 | 33.01 | -16.20 |


Table 7-28. Antenna 3b EIRP Data (LTE Band 41(PC3))

| | | | |
|---|---|-----------------------------------|--|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
| Test Report S/N: 1C2106080049-04-R1.BCG | Test Dates: 6/2/2021 - 8/26/2021 | EUT Type: Tablet Device | Page 185 of 250 |

NR Band n30

| 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 | 2307.5 | -1.90 | 1 / 12 | 19.70 | 17.80 | 0.060 | 23.98 | -6.18 |
| | | 2310.0 | -1.90 | 1 / 1 | 19.56 | 17.66 | 0.058 | 23.98 | -6.32 |
| | | 2312.5 | -1.90 | 1 / 12 | 19.43 | 17.53 | 0.057 | 23.98 | -6.45 |
| | QPSK | 2307.5 | -1.90 | 1 / 12 | 19.46 | 17.56 | 0.057 | 23.98 | -6.42 |
| | | 2310.0 | -1.90 | 1 / 23 | 19.53 | 17.63 | 0.058 | 23.98 | -6.35 |
| | | 2312.5 | -1.90 | 1 / 1 | 19.70 | 17.80 | 0.060 | 23.98 | -6.18 |
| | 16-QAM | 2312.5 | -1.90 | 1 / 23 | 19.07 | 17.17 | 0.052 | 23.98 | -6.81 |
| | 64-QAM | 2310.0 | -1.90 | 1 / 12 | 18.52 | 16.62 | 0.046 | 23.98 | -7.36 |
| 10 MHz | 256-QAM | 2307.5 | -1.90 | 1 / 12 | 15.85 | 13.95 | 0.025 | 23.98 | -10.03 |
| | $\pi/2$ BPSK | 2310.0 | -1.90 | 1 / 1 | 19.70 | 17.80 | 0.060 | 23.98 | -6.18 |
| | QPSK | 2310.0 | -1.90 | 1 / 26 | 19.70 | 17.80 | 0.060 | 23.98 | -6.18 |
| | 16-QAM | 2310.0 | -1.90 | 1 / 50 | 19.30 | 17.40 | 0.055 | 23.98 | -6.58 |
| | 64-QAM | 2310.0 | -1.90 | 1 / 1 | 18.58 | 16.68 | 0.047 | 23.98 | -7.30 |
| | 256-QAM | 2310.0 | -1.90 | 1 / 26 | 16.08 | 14.18 | 0.026 | 23.98 | -9.80 |


Table 7-29. Antenna 3b EIRP Data (NR Band n30)

| | | | |
|---|---|-----------------------------------|--|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
| Test Report S/N: 1C2106080049-04-R1.BCG | Test Dates: 6/2/2021 - 8/26/2021 | EUT Type: Tablet Device | Page 186 of 250 |

NR Band n7

| 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 | 2502.5 | -4.30 | 1 / 23 | 24.19 | 19.89 | 0.097 | 33.01 | -13.12 |
| | | 2535.0 | -4.30 | 1 / 1 | 23.87 | 19.57 | 0.091 | 33.01 | -13.44 |
| | | 2567.5 | -4.30 | 1 / 23 | 23.92 | 19.62 | 0.092 | 33.01 | -13.39 |
| | QPSK | 2502.5 | -4.30 | 1 / 12 | 23.95 | 19.65 | 0.092 | 33.01 | -13.36 |
| | | 2535.0 | -4.30 | 1 / 12 | 23.96 | 19.66 | 0.093 | 33.01 | -13.35 |
| | | 2567.5 | -4.30 | 1 / 12 | 24.20 | 19.90 | 0.098 | 33.01 | -13.11 |
| | 16-QAM | 2567.5 | -4.30 | 1 / 23 | 23.40 | 19.10 | 0.081 | 33.01 | -13.91 |
| | 64-QAM | 2535.0 | -4.30 | 1 / 1 | 22.27 | 17.97 | 0.063 | 33.01 | -15.04 |
| 256-QAM | 2567.5 | -4.30 | 1 / 1 | 20.68 | 16.38 | 0.043 | 33.01 | -16.63 | |
| 10 MHz | π/2 BPSK | 2505.0 | -4.30 | 1 / 1 | 24.06 | 19.76 | 0.095 | 33.01 | -13.25 |
| | | 2535.0 | -4.30 | 1 / 26 | 24.03 | 19.73 | 0.094 | 33.01 | -13.28 |
| | | 2565.0 | -4.30 | 1 / 26 | 24.20 | 19.90 | 0.098 | 33.01 | -13.11 |
| | QPSK | 2505.0 | -4.30 | 1 / 50 | 24.02 | 19.72 | 0.094 | 33.01 | -13.29 |
| | | 2535.0 | -4.30 | 1 / 50 | 24.16 | 19.86 | 0.097 | 33.01 | -13.15 |
| | | 2565.0 | -4.30 | 1 / 26 | 23.94 | 19.64 | 0.092 | 33.01 | -13.37 |
| | 16-QAM | 2535.0 | -4.30 | 1 / 26 | 23.66 | 19.36 | 0.086 | 33.01 | -13.65 |
| | 64-QAM | 2535.0 | -4.30 | 1 / 26 | 22.37 | 18.07 | 0.064 | 33.01 | -14.94 |
| 256-QAM | 2565.0 | -4.30 | 1 / 26 | 20.43 | 16.13 | 0.041 | 33.01 | -16.88 | |
| 15 MHz | π/2 BPSK | 2507.5 | -4.30 | 1 / 77 | 23.96 | 19.66 | 0.092 | 33.01 | -13.36 |
| | | 2535.0 | -4.30 | 1 / 1 | 23.77 | 19.47 | 0.089 | 33.01 | -13.54 |
| | | 2562.5 | -4.30 | 1 / 77 | 23.93 | 19.63 | 0.092 | 33.01 | -13.38 |
| | QPSK | 2507.5 | -4.30 | 1 / 1 | 24.08 | 19.78 | 0.095 | 33.01 | -13.23 |
| | | 2535.0 | -4.30 | 1 / 1 | 24.20 | 19.90 | 0.098 | 33.01 | -13.11 |
| | | 2562.5 | -4.30 | 1 / 37 | 23.96 | 19.66 | 0.092 | 33.01 | -13.35 |
| | 16-QAM | 2535.0 | -4.30 | 1 / 77 | 23.42 | 19.12 | 0.082 | 33.01 | -13.89 |
| | 64-QAM | 2507.5 | -4.30 | 1 / 37 | 22.46 | 18.16 | 0.065 | 33.01 | -14.85 |
| 256-QAM | 2507.5 | -4.30 | 1 / 37 | 20.38 | 16.08 | 0.041 | 33.01 | -16.93 | |
| 20 MHz | π/2 BPSK | 2510.0 | -4.30 | 1 / 104 | 24.17 | 19.87 | 0.097 | 33.01 | -13.14 |
| | | 2535.0 | -4.30 | 1 / 104 | 23.93 | 19.63 | 0.092 | 33.01 | -13.38 |
| | | 2560.0 | -4.30 | 1 / 104 | 23.91 | 19.61 | 0.091 | 33.01 | -13.40 |
| | QPSK | 2510.0 | -4.30 | 1 / 53 | 24.12 | 19.82 | 0.096 | 33.01 | -13.19 |
| | | 2535.0 | -4.30 | 1 / 1 | 24.20 | 19.90 | 0.098 | 33.01 | -13.11 |
| | | 2560.0 | -4.30 | 1 / 104 | 24.01 | 19.71 | 0.094 | 33.01 | -13.30 |
| | 16-QAM | 2510.0 | -4.30 | 1 / 53 | 23.35 | 19.05 | 0.080 | 33.01 | -13.96 |
| | 64-QAM | 2535.0 | -4.30 | 1 / 53 | 22.42 | 18.12 | 0.065 | 33.01 | -14.89 |
| 256-QAM | 2560.0 | -4.30 | 1 / 53 | 20.39 | 16.09 | 0.041 | 33.01 | -16.92 | |
| 25 MHz | π/2 BPSK | 2512.5 | -4.30 | 1 / 1 | 21.94 | 17.64 | 0.058 | 33.01 | -15.37 |
| | | 2535.0 | -4.30 | 1 / 131 | 22.14 | 17.84 | 0.061 | 33.01 | -15.17 |
| | | 2567.5 | -4.30 | 1 / 1 | 22.12 | 17.82 | 0.060 | 33.01 | -15.19 |
| | QPSK | 2512.5 | -4.30 | 1 / 66 | 22.01 | 17.71 | 0.059 | 33.01 | -15.30 |
| | | 2535.0 | -4.30 | 1 / 131 | 21.78 | 17.48 | 0.056 | 33.01 | -15.53 |
| | | 2567.5 | -4.30 | 1 / 1 | 22.20 | 17.90 | 0.062 | 33.01 | -15.11 |
| | 16-QAM | 2535.0 | -4.30 | 1 / 1 | 21.47 | 17.17 | 0.052 | 33.01 | -15.84 |
| | 64-QAM | 2535.0 | -4.30 | 1 / 1 | 20.28 | 15.98 | 0.040 | 33.01 | -17.03 |
| 256-QAM | 2567.5 | -4.30 | 1 / 1 | 18.22 | 13.92 | 0.025 | 33.01 | -19.09 | |
| 30 MHz | π/2 BPSK | 2515.0 | -4.30 | 1 / 80 | 21.89 | 17.59 | 0.057 | 33.01 | -15.42 |
| | | 2535.0 | -4.30 | 1 / 80 | 22.15 | 17.85 | 0.061 | 33.01 | -15.16 |
| | | 2555.0 | -4.30 | 1 / 158 | 22.20 | 17.90 | 0.062 | 33.01 | -15.11 |
| | QPSK | 2515.0 | -4.30 | 1 / 158 | 22.04 | 17.74 | 0.059 | 33.01 | -15.27 |
| | | 2535.0 | -4.30 | 1 / 1 | 22.13 | 17.83 | 0.061 | 33.01 | -15.18 |
| | | 2555.0 | -4.30 | 1 / 158 | 22.12 | 17.82 | 0.061 | 33.01 | -15.19 |
| | 16-QAM | 2515.0 | -4.30 | 1 / 1 | 21.59 | 17.29 | 0.054 | 33.01 | -15.72 |
| | 64-QAM | 2555.0 | -4.30 | 1 / 80 | 20.32 | 16.02 | 0.040 | 33.01 | -16.99 |
| 256-QAM | 2515.0 | -4.30 | 1 / 80 | 18.16 | 13.86 | 0.024 | 33.01 | -19.15 | |
| 40 MHz | π/2 BPSK | 2520.0 | -4.30 | 1 / 1 | 22.04 | 17.74 | 0.059 | 33.01 | -15.27 |
| | | 2535.0 | -4.30 | 1 / 1 | 22.16 | 17.86 | 0.061 | 33.01 | -15.15 |
| | | 2550.0 | -4.30 | 1 / 214 | 22.15 | 17.85 | 0.061 | 33.01 | -15.16 |
| | QPSK | 2520.0 | -4.30 | 1 / 108 | 21.93 | 17.63 | 0.058 | 33.01 | -15.38 |
| | | 2535.0 | -4.30 | 1 / 214 | 22.16 | 17.86 | 0.061 | 33.01 | -15.15 |
| | | 2550.0 | -4.30 | 1 / 1 | 22.20 | 17.90 | 0.062 | 33.01 | -15.11 |
| | 16-QAM | 2520.0 | -4.30 | 1 / 108 | 21.30 | 17.00 | 0.050 | 33.01 | -16.01 |
| | 64-QAM | 2520.0 | -4.30 | 1 / 1 | 20.37 | 16.07 | 0.040 | 33.01 | -16.94 |
| 256-QAM | 2550.0 | -4.30 | 1 / 1 | 18.32 | 14.02 | 0.025 | 33.01 | -18.99 | |


Table 7-30. Antenna 3b EIRP Data (NR Band n7)

| | | | |
|--|---|----------------------------|---------------------------------|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
| Test Report S/N: 1C2106080049-04-R1.BCG | Test Dates: 6/2/2021 - 8/26/2021 | EUT Type: Tablet Device | Page 187 of 250 |

NR Band n41 (PC2)

| Bandwidth | Mod. | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|----------|-----------------|-----------------|----------------|-----------------------|------------|--------------|------------------|-------------|
| 20 MHz | π/2 BPSK | 2506.0 | -4.40 | 1 / 49 | 23.28 | 18.88 | 0.077 | 33.01 | -14.13 |
| | | 2593.0 | -4.40 | 1 / 49 | 23.38 | 18.98 | 0.079 | 33.01 | -14.03 |
| | QPSK | 2680.0 | -4.40 | 1 / 49 | 23.48 | 19.08 | 0.081 | 33.01 | -13.93 |
| | | 2506.0 | -4.40 | 1 / 49 | 23.44 | 19.04 | 0.080 | 33.01 | -13.97 |
| | | 2593.0 | -4.40 | 1 / 49 | 23.70 | 19.30 | 0.085 | 33.01 | -13.71 |
| | | 2680.0 | -4.40 | 1 / 1 | 23.65 | 19.25 | 0.084 | 33.01 | -13.76 |
| | 16-QAM | 2680.0 | -4.40 | 1 / 1 | 23.32 | 18.92 | 0.078 | 33.01 | -14.09 |
| | 64-QAM | 2680.0 | -4.40 | 1 / 25 | 22.21 | 17.81 | 0.060 | 33.01 | -15.20 |
| 256-QAM | 2680.0 | -4.40 | 1 / 25 | 20.28 | 15.88 | 0.039 | 33.01 | -17.13 | |
| 30 MHz | π/2 BPSK | 2511.0 | -4.40 | 1 / 1 | 22.77 | 18.37 | 0.069 | 33.01 | -14.64 |
| | | 2593.0 | -4.40 | 1 / 1 | 23.31 | 18.91 | 0.078 | 33.01 | -14.10 |
| | QPSK | 2675.0 | -4.40 | 1 / 1 | 22.80 | 18.40 | 0.069 | 33.01 | -14.61 |
| | | 2511.0 | -4.40 | 1 / 1 | 22.82 | 18.42 | 0.069 | 33.01 | -14.59 |
| | | 2593.0 | -4.40 | 1 / 1 | 22.85 | 18.45 | 0.070 | 33.01 | -14.56 |
| | | 2675.0 | -4.40 | 1 / 1 | 22.99 | 18.59 | 0.072 | 33.01 | -14.42 |
| | 16-QAM | 2675.0 | -4.40 | 1 / 104 | 22.47 | 18.07 | 0.064 | 33.01 | -14.94 |
| | 64-QAM | 2593.0 | -4.40 | 1 / 53 | 21.23 | 16.83 | 0.048 | 33.01 | -16.18 |
| 256-QAM | 2511.0 | -4.40 | 1 / 53 | 18.41 | 14.01 | 0.025 | 33.01 | -19.00 | |
| 40 MHz | π/2 BPSK | 2516.0 | -4.40 | 1 / 53 | 23.29 | 18.89 | 0.077 | 33.01 | -14.12 |
| | | 2593.0 | -4.40 | 1 / 104 | 23.70 | 19.30 | 0.085 | 33.01 | -13.71 |
| | QPSK | 2670.0 | -4.40 | 1 / 1 | 23.68 | 19.28 | 0.085 | 33.01 | -13.73 |
| | | 2516.0 | -4.40 | 1 / 104 | 23.16 | 18.76 | 0.075 | 33.01 | -14.25 |
| | | 2593.0 | -4.40 | 1 / 53 | 23.52 | 19.12 | 0.082 | 33.01 | -13.89 |
| | | 2670.0 | -4.40 | 1 / 104 | 23.63 | 19.23 | 0.084 | 33.01 | -13.78 |
| | 16-QAM | 2670.0 | -4.40 | 1 / 104 | 23.21 | 18.81 | 0.076 | 33.01 | -14.20 |
| | 64-QAM | 2670.0 | -4.40 | 1 / 104 | 21.42 | 17.02 | 0.050 | 33.01 | -15.99 |
| 256-QAM | 2670.0 | -4.40 | 1 / 1 | 19.26 | 14.86 | 0.031 | 33.01 | -18.15 | |
| 50 MHz | π/2 BPSK | 2521.0 | -4.40 | 1 / 131 | 23.52 | 19.12 | 0.082 | 33.01 | -13.89 |
| | | 2593.0 | -4.40 | 1 / 131 | 23.56 | 19.16 | 0.082 | 33.01 | -13.85 |
| | QPSK | 2665.0 | -4.40 | 1 / 66 | 23.69 | 19.29 | 0.085 | 33.01 | -13.72 |
| | | 2521.0 | -4.40 | 1 / 66 | 23.15 | 18.75 | 0.075 | 33.01 | -14.27 |
| | | 2593.0 | -4.40 | 1 / 131 | 23.53 | 19.13 | 0.082 | 33.01 | -13.88 |
| | | 2665.0 | -4.40 | 1 / 1 | 23.70 | 19.30 | 0.085 | 33.01 | -13.71 |
| | 16-QAM | 2665.0 | -4.40 | 1 / 131 | 23.28 | 18.88 | 0.077 | 33.01 | -14.13 |
| | 64-QAM | 2665.0 | -4.40 | 1 / 1 | 22.17 | 17.77 | 0.060 | 33.01 | -15.24 |
| 256-QAM | 2665.0 | -4.40 | 1 / 1 | 20.15 | 15.75 | 0.038 | 33.01 | -17.26 | |
| 60 MHz | π/2 BPSK | 2526.0 | -4.40 | 1 / 160 | 23.41 | 19.01 | 0.080 | 33.01 | -14.00 |
| | | 2593.0 | -4.40 | 1 / 1 | 23.26 | 18.86 | 0.077 | 33.01 | -14.15 |
| | QPSK | 2660.0 | -4.40 | 1 / 160 | 23.70 | 19.30 | 0.085 | 33.01 | -13.71 |
| | | 2526.0 | -4.40 | 1 / 160 | 23.27 | 18.87 | 0.077 | 33.01 | -14.14 |
| | | 2593.0 | -4.40 | 1 / 1 | 23.63 | 19.23 | 0.084 | 33.01 | -13.78 |
| | | 2660.0 | -4.40 | 1 / 160 | 23.44 | 19.04 | 0.080 | 33.01 | -13.97 |
| | 16-QAM | 2593.0 | -4.40 | 1 / 160 | 22.59 | 18.19 | 0.066 | 33.01 | -14.82 |
| | 64-QAM | 2593.0 | -4.40 | 1 / 1 | 21.80 | 17.40 | 0.055 | 33.01 | -15.61 |
| 256-QAM | 2593.0 | -4.40 | 1 / 1 | 19.80 | 15.40 | 0.035 | 33.01 | -17.61 | |
| 80 MHz | π/2 BPSK | 2536.0 | -4.40 | 1 / 215 | 23.22 | 18.82 | 0.076 | 33.01 | -14.20 |
| | | 2593.0 | -4.40 | 1 / 108 | 23.31 | 18.91 | 0.078 | 33.01 | -14.10 |
| | QPSK | 2650.0 | -4.40 | 1 / 215 | 23.70 | 19.30 | 0.085 | 33.01 | -13.71 |
| | | 2536.0 | -4.40 | 1 / 215 | 22.90 | 18.50 | 0.071 | 33.01 | -14.51 |
| | | 2593.0 | -4.40 | 1 / 108 | 23.27 | 18.87 | 0.077 | 33.01 | -14.14 |
| | | 2650.0 | -4.40 | 1 / 108 | 23.36 | 18.96 | 0.079 | 33.01 | -14.05 |
| | 16-QAM | 2650.0 | -4.40 | 1 / 215 | 22.69 | 18.29 | 0.068 | 33.01 | -14.72 |
| | 64-QAM | 2650.0 | -4.40 | 1 / 108 | 21.84 | 17.44 | 0.055 | 33.01 | -15.57 |
| 256-QAM | 2650.0 | -4.40 | 1 / 108 | 19.86 | 15.46 | 0.035 | 33.01 | -17.55 | |
| 90 MHz | π/2 BPSK | 2541.0 | -4.40 | 1 / 243 | 23.55 | 19.15 | 0.082 | 33.01 | -13.86 |
| | | 2593.0 | -4.40 | 1 / 243 | 23.70 | 19.30 | 0.085 | 33.01 | -13.71 |
| | QPSK | 2645.0 | -4.40 | 1 / 243 | 23.60 | 19.20 | 0.083 | 33.01 | -13.81 |
| | | 2541.0 | -4.40 | 1 / 243 | 23.58 | 19.18 | 0.083 | 33.01 | -13.83 |
| | | 2593.0 | -4.40 | 1 / 122 | 23.63 | 19.23 | 0.084 | 33.01 | -13.78 |
| | | 2645.0 | -4.40 | 1 / 243 | 23.41 | 19.01 | 0.080 | 33.01 | -14.00 |
| | 16-QAM | 2645.0 | -4.40 | 1 / 243 | 23.34 | 18.94 | 0.078 | 33.01 | -14.07 |
| | 64-QAM | 2593.0 | -4.40 | 1 / 122 | 21.72 | 17.32 | 0.054 | 33.01 | -15.69 |
| 256-QAM | 2593.0 | -4.40 | 1 / 122 | 19.70 | 15.30 | 0.034 | 33.01 | -17.71 | |
| 100 MHz | π/2 BPSK | 2546.0 | -4.40 | 1 / 271 | 23.59 | 19.19 | 0.083 | 33.01 | -13.82 |
| | | 2593.0 | -4.40 | 1 / 136 | 23.70 | 19.30 | 0.085 | 33.01 | -13.71 |
| | QPSK | 2640.0 | -4.40 | 1 / 271 | 23.35 | 18.95 | 0.079 | 33.01 | -14.06 |
| | | 2546.0 | -4.40 | 1 / 271 | 23.69 | 19.29 | 0.085 | 33.01 | -13.72 |
| | | 2593.0 | -4.40 | 1 / 271 | 23.49 | 19.09 | 0.081 | 33.01 | -13.92 |
| | | 2640.0 | -4.40 | 1 / 1 | 23.41 | 19.01 | 0.080 | 33.01 | -14.00 |
| | 16-QAM | 2593.0 | -4.40 | 1 / 271 | 22.98 | 18.58 | 0.072 | 33.01 | -14.43 |
| | 64-QAM | 2640.0 | -4.40 | 1 / 1 | 21.78 | 17.38 | 0.055 | 33.01 | -15.63 |
| 256-QAM | 2640.0 | -4.40 | 1 / 1 | 19.76 | 15.36 | 0.034 | 33.01 | -17.65 | |


Table 7-31. Antenna 3b EIRP Data (NR Band n41)

| | | | |
|--|---|----------------------------|---------------------------------|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
| Test Report S/N: 1C2106080049-04-R1.BCG | Test Dates: 6/2/2021 - 8/26/2021 | EUT Type: Tablet Device | Page 188 of 250 |

NR Band n41 (PC3)

| Bandwidth | Mod. | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|----------|-----------------|-----------------|----------------|-----------------------|------------|--------------|------------------|-------------|
| 20 MHz | π/2 BPSK | 2506.0 | -4.40 | 1 / 25 | 23.08 | 18.68 | 0.074 | 33.01 | -14.34 |
| | | 2593.0 | -4.40 | 1 / 1 | 23.42 | 19.02 | 0.080 | 33.01 | -13.99 |
| | | 2680.0 | -4.40 | 1 / 1 | 23.64 | 19.24 | 0.084 | 33.01 | -13.77 |
| | QPSK | 2506.0 | -4.40 | 1 / 49 | 23.08 | 18.68 | 0.074 | 33.01 | -14.33 |
| | | 2593.0 | -4.40 | 1 / 1 | 23.40 | 19.00 | 0.079 | 33.01 | -14.01 |
| | | 2680.0 | -4.40 | 1 / 49 | 23.70 | 19.30 | 0.085 | 33.01 | -13.71 |
| | 16-QAM | 2680.0 | -4.40 | 1 / 49 | 22.65 | 18.25 | 0.067 | 33.01 | -14.76 |
| | 64-QAM | 2680.0 | -4.40 | 1 / 1 | 21.49 | 17.09 | 0.051 | 33.01 | -15.92 |
| | 256-QAM | 2506.0 | -4.40 | 1 / 1 | 20.62 | 16.22 | 0.042 | 33.01 | -16.79 |
| 30 MHz | π/2 BPSK | 2511.0 | -4.40 | 1 / 1 | 23.31 | 18.91 | 0.078 | 33.01 | -14.10 |
| | | 2593.0 | -4.40 | 1 / 1 | 23.18 | 18.78 | 0.076 | 33.01 | -14.23 |
| | | 2675.0 | -4.40 | 1 / 1 | 23.67 | 19.27 | 0.084 | 33.01 | -13.74 |
| | QPSK | 2511.0 | -4.40 | 1 / 53 | 22.73 | 18.33 | 0.068 | 33.01 | -14.68 |
| | | 2593.0 | -4.40 | 1 / 53 | 23.36 | 18.96 | 0.079 | 33.01 | -14.05 |
| | | 2675.0 | -4.40 | 1 / 53 | 23.03 | 18.63 | 0.073 | 33.01 | -14.38 |
| | 16-QAM | 2593.0 | -4.40 | 1 / 53 | 22.53 | 18.13 | 0.065 | 33.01 | -14.88 |
| | 64-QAM | 2675.0 | -4.40 | 1 / 53 | 21.00 | 16.60 | 0.046 | 33.01 | -16.41 |
| | 256-QAM | 2675.0 | -4.40 | 1 / 53 | 18.94 | 14.54 | 0.028 | 33.01 | -18.47 |
| 40 MHz | π/2 BPSK | 2516.0 | -4.40 | 1 / 104 | 23.53 | 19.13 | 0.082 | 33.01 | -13.88 |
| | | 2593.0 | -4.40 | 1 / 104 | 23.69 | 19.29 | 0.085 | 33.01 | -13.72 |
| | | 2670.0 | -4.40 | 1 / 104 | 23.53 | 19.13 | 0.082 | 33.01 | -13.88 |
| | QPSK | 2516.0 | -4.40 | 1 / 104 | 23.26 | 18.86 | 0.077 | 33.01 | -14.15 |
| | | 2593.0 | -4.40 | 1 / 53 | 23.63 | 19.23 | 0.084 | 33.01 | -13.78 |
| | | 2670.0 | -4.40 | 1 / 1 | 23.70 | 19.30 | 0.085 | 33.01 | -13.71 |
| | 16-QAM | 2593.0 | -4.40 | 1 / 53 | 22.68 | 18.28 | 0.067 | 33.01 | -14.73 |
| | 64-QAM | 2670.0 | -4.40 | 1 / 104 | 21.69 | 17.29 | 0.054 | 33.01 | -15.72 |
| | 256-QAM | 2516.0 | -4.40 | 1 / 1 | 20.65 | 16.25 | 0.042 | 33.01 | -16.76 |
| 50 MHz | π/2 BPSK | 2521.0 | -4.40 | 1 / 66 | 23.47 | 19.07 | 0.081 | 33.01 | -13.94 |
| | | 2593.0 | -4.40 | 1 / 131 | 23.68 | 19.28 | 0.085 | 33.01 | -13.73 |
| | | 2665.0 | -4.40 | 1 / 1 | 23.51 | 19.11 | 0.081 | 33.01 | -13.90 |
| | QPSK | 2521.0 | -4.40 | 1 / 131 | 23.29 | 18.89 | 0.077 | 33.01 | -14.12 |
| | | 2593.0 | -4.40 | 1 / 1 | 23.55 | 19.15 | 0.082 | 33.01 | -13.86 |
| | | 2665.0 | -4.40 | 1 / 131 | 23.70 | 19.30 | 0.085 | 33.01 | -13.71 |
| | 16-QAM | 2665.0 | -4.40 | 1 / 131 | 22.68 | 18.28 | 0.067 | 33.01 | -14.73 |
| | 64-QAM | 2521.0 | -4.40 | 1 / 131 | 21.41 | 17.01 | 0.050 | 33.01 | -16.00 |
| | 256-QAM | 2521.0 | -4.40 | 1 / 131 | 20.50 | 16.10 | 0.041 | 33.01 | -16.91 |
| 60 MHz | π/2 BPSK | 2526.0 | -4.40 | 1 / 160 | 23.42 | 19.02 | 0.080 | 33.01 | -13.99 |
| | | 2593.0 | -4.40 | 1 / 81 | 23.67 | 19.27 | 0.084 | 33.01 | -13.74 |
| | | 2660.0 | -4.40 | 1 / 160 | 23.45 | 19.05 | 0.080 | 33.01 | -13.96 |
| | QPSK | 2526.0 | -4.40 | 1 / 81 | 23.18 | 18.78 | 0.075 | 33.01 | -14.23 |
| | | 2593.0 | -4.40 | 1 / 1 | 23.36 | 18.96 | 0.079 | 33.01 | -14.05 |
| | | 2660.0 | -4.40 | 1 / 160 | 23.70 | 19.30 | 0.085 | 33.01 | -13.71 |
| | 16-QAM | 2593.0 | -4.40 | 1 / 1 | 22.62 | 18.22 | 0.066 | 33.01 | -14.79 |
| | 64-QAM | 2526.0 | -4.40 | 1 / 160 | 21.04 | 16.64 | 0.046 | 33.01 | -16.37 |
| | 256-QAM | 2526.0 | -4.40 | 1 / 160 | 20.47 | 16.07 | 0.040 | 33.01 | -16.94 |
| 80 MHz | π/2 BPSK | 2536.0 | -4.40 | 1 / 215 | 23.31 | 18.91 | 0.078 | 33.01 | -14.10 |
| | | 2593.0 | -4.40 | 1 / 108 | 23.38 | 18.98 | 0.079 | 33.01 | -14.03 |
| | | 2650.0 | -4.40 | 1 / 215 | 23.67 | 19.27 | 0.084 | 33.01 | -13.74 |
| | QPSK | 2536.0 | -4.40 | 1 / 215 | 23.03 | 18.63 | 0.073 | 33.01 | -14.38 |
| | | 2593.0 | -4.40 | 1 / 108 | 23.44 | 19.04 | 0.080 | 33.01 | -13.97 |
| | | 2650.0 | -4.40 | 1 / 215 | 23.70 | 19.30 | 0.085 | 33.01 | -13.71 |
| | 16-QAM | 2650.0 | -4.40 | 1 / 1 | 22.66 | 18.26 | 0.067 | 33.01 | -14.75 |
| | 64-QAM | 2650.0 | -4.40 | 1 / 1 | 21.44 | 17.04 | 0.051 | 33.01 | -15.97 |
| | 256-QAM | 2536.0 | -4.40 | 1 / 1 | 20.42 | 16.02 | 0.040 | 33.01 | -16.99 |
| 90 MHz | π/2 BPSK | 2541.0 | -4.40 | 1 / 243 | 23.03 | 18.63 | 0.073 | 33.01 | -14.38 |
| | | 2593.0 | -4.40 | 1 / 122 | 23.43 | 19.03 | 0.080 | 33.01 | -13.98 |
| | | 2645.0 | -4.40 | 1 / 243 | 23.54 | 19.14 | 0.082 | 33.01 | -13.87 |
| | QPSK | 2541.0 | -4.40 | 1 / 243 | 23.10 | 18.70 | 0.074 | 33.01 | -14.31 |
| | | 2593.0 | -4.40 | 1 / 243 | 23.39 | 18.99 | 0.079 | 33.01 | -14.02 |
| | | 2645.0 | -4.40 | 1 / 243 | 23.70 | 19.30 | 0.085 | 33.01 | -13.71 |
| | 16-QAM | 2593.0 | -4.40 | 1 / 122 | 22.53 | 18.13 | 0.065 | 33.01 | -14.88 |
| | 64-QAM | 2593.0 | -4.40 | 1 / 243 | 21.40 | 17.00 | 0.050 | 33.01 | -16.01 |
| | 256-QAM | 2541.0 | -4.40 | 1 / 243 | 20.60 | 16.20 | 0.042 | 33.01 | -16.81 |
| 100 MHz | π/2 BPSK | 2546.0 | -4.40 | 1 / 271 | 23.39 | 18.99 | 0.079 | 33.01 | -14.02 |
| | | 2593.0 | -4.40 | 1 / 136 | 23.61 | 19.21 | 0.083 | 33.01 | -13.80 |
| | | 2640.0 | -4.40 | 1 / 1 | 23.62 | 19.22 | 0.084 | 33.01 | -13.79 |
| | QPSK | 2546.0 | -4.40 | 1 / 271 | 23.49 | 19.09 | 0.081 | 33.01 | -13.92 |
| | | 2593.0 | -4.40 | 1 / 271 | 23.52 | 19.12 | 0.082 | 33.01 | -13.89 |
| | | 2640.0 | -4.40 | 1 / 271 | 23.70 | 19.30 | 0.085 | 33.01 | -13.71 |
| | 16-QAM | 2546.0 | -4.40 | 1 / 271 | 22.63 | 18.23 | 0.066 | 33.01 | -14.78 |
| | 64-QAM | 2640.0 | -4.40 | 1 / 271 | 21.46 | 17.06 | 0.051 | 33.01 | -15.95 |
| | 256-QAM | 2546.0 | -4.40 | 1 / 1 | 20.85 | 16.45 | 0.044 | 33.01 | -16.56 |

Table 7-32. Antenna 3b EIRP Data (NR Band n41)

| | | | |
|--|---|----------------------------|---------------------------------|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
| Test Report S/N: 1C2106080049-04-R1.BCG | Test Dates: 6/2/2021 - 8/26/2021 | EUT Type: Tablet Device | Page 189 of 250 |

ULCA - Band 7

| Power State | Band | Bandwidth (PCC + SCC) | PCC | | | | SCC | | | | ULCA Tx. Power [dBm] | Ant. Gain [dBi] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] | | | | |
|-------------|--------|-----------------------|------------|------------|--------------|---------|--------------|------------|------------|--------------|----------------------|-----------------|------------|--------------|------------------|-------------|---------|--------------|-------|--------|
| | | | Modulation | UL Channel | UL Frequency | UL # RB | UL RB Offset | Modulation | UL Channel | UL Frequency | | | | | | | UL # RB | UL RB Offset | | |
| Max | LTE B7 | 20MHz + 20MHz | QPSK | 20850 | 2510.0 | 1 | 99 | QPSK | 21048 | 2529.8 | 1 | 0 | 24.37 | -4.30 | 20.07 | 0.102 | 33.01 | -12.94 | | |
| | | | | 21100 | 2535.0 | 1 | 99 | | 21298 | 2554.8 | 1 | 0 | 24.5 | -4.30 | 20.20 | 0.105 | 33.01 | -12.81 | | |
| | | | | 21350 | 2560.0 | 1 | 0 | | 21152 | 2540.2 | 1 | 99 | 24.36 | -4.30 | 20.06 | 0.101 | 33.01 | -12.95 | | |
| | | | QPSK | 21100 | 2535 | 100 | 0 | QPSK | 21298 | 2554.8 | 100 | 0 | 21.43 | -4.30 | 17.13 | 0.052 | 33.01 | -15.88 | | |
| | | | | 16-QAM | 21100 | 2535 | 100 | | 0 | 16-QAM | 21298 | 2554.8 | 100 | 0 | 20.49 | -4.30 | 16.19 | 0.042 | 33.01 | -16.82 |
| | | | | 64-QAM | 21100 | 2535 | 100 | | 0 | 64-QAM | 21298 | 2554.8 | 100 | 0 | 20.43 | -4.30 | 16.13 | 0.041 | 33.01 | -16.88 |
| | | | 256-QAM | 21100 | 2535 | 100 | 0 | 256-QAM | 21298 | 2554.8 | 100 | 0 | 18.56 | -4.30 | 14.26 | 0.027 | 33.01 | -18.75 | | |

Table 7-33. Antenna 3b EIRP Data (ULCA LTE Band 7)

ULCA - Band 41 (PC2)


| Power State | Band | Bandwidth (PCC + SCC) | PCC | | | | | SCC | | | | | ULCA Tx. Power [dBm] | Ant. Gain [dBi] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-------------|---------------|-----------------------|------------|------------|--------------|---------|--------------|------------|------------|--------------|---------|--------------|----------------------|-----------------|------------|--------------|------------------|-------------|
| | | | Modulation | UL Channel | UL Frequency | UL # RB | UL RB Offset | Modulation | UL Channel | UL Frequency | UL # RB | UL RB Offset | | | | | | |
| Max | LTE B41 (PC2) | 20MHz + 20MHz | QPSK | 39750 | 2506.0 | 1 | 99 | QPSK | 39948 | 2525.8 | 1 | 0 | 26.46 | -4.40 | 22.06 | 0.161 | 33.01 | -10.95 |
| | | | | 40620 | 2593.0 | 1 | 99 | | 40818 | 2612.8 | 1 | 0 | 26.44 | -4.40 | 22.04 | 0.160 | 33.01 | -10.97 |
| | | | | 41490 | 2680.0 | 1 | 0 | | 41292 | 2660.2 | 1 | 99 | 26.23 | -4.40 | 21.83 | 0.152 | 33.01 | -11.18 |
| | | | QPSK | 39750 | 2506 | 100 | 0 | QPSK | 39948 | 2525.8 | 100 | 0 | 24.68 | -4.40 | 20.28 | 0.107 | 33.01 | -12.73 |
| | | | 16-QAM | 39750 | 2506 | 100 | 0 | 16-QAM | 39948 | 2525.8 | 100 | 0 | 23.72 | -4.40 | 19.32 | 0.086 | 33.01 | -13.69 |
| | | | 64-QAM | 39750 | 2506 | 100 | 0 | 64-QAM | 39948 | 2525.8 | 100 | 0 | 22.71 | -4.40 | 18.31 | 0.068 | 33.01 | -14.70 |
| | | | 256-QAM | 39750 | 2506 | 100 | 0 | 256-QAM | 39948 | 2525.8 | 100 | 0 | 21.68 | -4.40 | 17.28 | 0.053 | 33.01 | -15.73 |

Table 7-34. Antenna 3b EIRP Data (ULCA LTE Band 41 (PC2))

ULCA - Band 41 (PC3)

| Power State | Band | Bandwidth (PCC + SCC) | PCC | | | | SCC | | | | ULCA Tx. Power [dBm] | Ant. Gain [dBi] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] | | |
|-------------|---------------|-----------------------|------------|------------|--------------|---------|--------------|------------|------------|--------------|----------------------|-----------------|------------|--------------|------------------|-------------|---------|--------------|
| | | | Modulation | UL Channel | UL Frequency | UL # RB | UL RB Offset | Modulation | UL Channel | UL Frequency | | | | | | | UL # RB | UL RB Offset |
| Max | LTE B41 (PC3) | 20MHz + 20MHz | QPSK | 39750 | 2506.0 | 1 | 99 | QPSK | 39948 | 2525.8 | 1 | 0 | 25.65 | -4.40 | 21.25 | 0.133 | 33.01 | -11.76 |
| | | | | 40620 | 2593.0 | 1 | 99 | | 40818 | 2612.8 | 1 | 0 | 25.7 | -4.40 | 21.30 | 0.135 | 33.01 | -11.71 |
| | | | | 41490 | 2680.0 | 1 | 0 | | 41292 | 2660.2 | 1 | 99 | 25.41 | -4.40 | 21.01 | 0.126 | 33.01 | -12.00 |
| | | | QPSK | 40620 | 2593 | 100 | 0 | QPSK | 40818 | 2612.8 | 100 | 0 | 23.97 | -4.40 | 19.57 | 0.091 | 33.01 | -13.44 |
| | | | 16-QAM | 40620 | 2593 | 100 | 0 | 16-QAM | 40818 | 2612.8 | 100 | 0 | 22.95 | -4.40 | 18.55 | 0.072 | 33.01 | -14.46 |
| | | | 64-QAM | 40620 | 2593 | 100 | 0 | 64-QAM | 40818 | 2612.8 | 100 | 0 | 21.96 | -4.40 | 17.56 | 0.057 | 33.01 | -15.45 |
| | | | 256-QAM | 40620 | 2593 | 100 | 0 | 256-QAM | 40818 | 2612.8 | 100 | 0 | 20.95 | -4.40 | 16.55 | 0.045 | 33.01 | -16.46 |

Table 7-35. Antenna 3b EIRP Data (ULCA LTE Band 41 (PC3))


| | | | |
|--|---|----------------------------|---------------------------------|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
| Test Report S/N: 1C2106080049-04-R1.BCG | Test Dates: 6/2/2021 - 8/26/2021 | EUT Type: Tablet Device | Page 190 of 250 |

7.6.4 Antenna 2 – EIRP

LTE Band 30

| Bandwidth | Mod. | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|---------|-----------------|-----------------|----------------|-----------------------|--------------|--------------|------------------|-------------|
| 5 MHz | QPSK | 2307.5 | 0.90 | 1 / 24 | 22.70 | 23.60 | 0.229 | 23.98 | -0.38 |
| | | 2310.0 | 0.90 | 1 / 24 | 22.63 | 23.53 | 0.225 | 23.98 | -0.45 |
| | | 2312.5 | 0.90 | 1 / 24 | 22.53 | 23.43 | 0.220 | 23.98 | -0.55 |
| | 16-QAM | 2310.0 | 0.90 | 1 / 24 | 21.93 | 22.83 | 0.192 | 23.98 | -1.15 |
| | 64-QAM | 2312.5 | 0.90 | 1 / 24 | 20.80 | 21.70 | 0.148 | 23.98 | -2.28 |
| | 256-QAM | 2312.5 | 0.90 | 1 / 0 | 18.06 | 18.96 | 0.079 | 23.98 | -5.02 |
| 10 MHz | QPSK | 2310.0 | 0.90 | 1 / 25 | 22.51 | 23.41 | 0.219 | 23.98 | -0.57 |
| | 16-QAM | 2310.0 | 0.90 | 1 / 25 | 21.87 | 22.77 | 0.189 | 23.98 | -1.21 |
| | 64-QAM | 2310.0 | 0.90 | 1 / 0 | 20.66 | 21.56 | 0.143 | 23.98 | -2.42 |
| | 256-QAM | 2310.0 | 0.90 | 1 / 49 | 18.26 | 19.16 | 0.082 | 23.98 | -4.82 |


Table 7-36. Antenna 2 EIRP Data (LTE Band 30)

| | | | |
|---|---|-----------------------------------|--|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
| Test Report S/N: 1C2106080049-04-R1.BCG | Test Dates: 6/2/2021 - 8/26/2021 | EUT Type: Tablet Device | Page 191 of 250 |

LTE Band 7

| Bandwidth | Mod. | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|---------|-----------------|-----------------|----------------|-----------------------|--------------|--------------|------------------|-------------|
| 5 MHz | QPSK | 2502.5 | 0.80 | 1 / 24 | 23.16 | 23.96 | 0.249 | 33.01 | -9.05 |
| | | 2535.0 | 0.80 | 1 / 12 | 23.03 | 23.83 | 0.242 | 33.01 | -9.18 |
| | | 2567.5 | 0.80 | 1 / 12 | 23.12 | 23.92 | 0.247 | 33.01 | -9.09 |
| | 16-QAM | 2502.5 | 0.80 | 1 / 24 | 22.66 | 23.46 | 0.222 | 33.01 | -9.55 |
| | 64-QAM | 2502.5 | 0.80 | 1 / 0 | 21.78 | 22.58 | 0.181 | 33.01 | -10.43 |
| | 256-QAM | 2535.0 | 0.80 | 1 / 12 | 18.54 | 19.34 | 0.086 | 33.01 | -13.67 |
| 10 MHz | QPSK | 2505.0 | 0.80 | 1 / 49 | 23.05 | 23.85 | 0.243 | 33.01 | -9.16 |
| | | 2535.0 | 0.80 | 1 / 25 | 23.04 | 23.84 | 0.242 | 33.01 | -9.17 |
| | | 2565.0 | 0.80 | 1 / 25 | 23.16 | 23.96 | 0.249 | 33.01 | -9.05 |
| | 16-QAM | 2565.0 | 0.80 | 1 / 25 | 22.60 | 23.40 | 0.219 | 33.01 | -9.61 |
| | 64-QAM | 2505.0 | 0.80 | 1 / 25 | 21.42 | 22.22 | 0.167 | 33.01 | -10.79 |
| | 256-QAM | 2565.0 | 0.80 | 1 / 25 | 18.64 | 19.44 | 0.088 | 33.01 | -13.57 |
| 15 MHz | QPSK | 2507.5 | 0.80 | 1 / 0 | 23.12 | 23.92 | 0.247 | 33.01 | -9.09 |
| | | 2535.0 | 0.80 | 1 / 0 | 23.07 | 23.87 | 0.244 | 33.01 | -9.14 |
| | | 2562.5 | 0.80 | 1 / 0 | 23.17 | 23.97 | 0.249 | 33.01 | -9.04 |
| | 16-QAM | 2562.5 | 0.80 | 1 / 0 | 22.65 | 23.45 | 0.221 | 33.01 | -9.56 |
| | 64-QAM | 2507.5 | 0.80 | 1 / 0 | 21.69 | 22.49 | 0.177 | 33.01 | -10.52 |
| | 256-QAM | 2562.5 | 0.80 | 1 / 0 | 18.59 | 19.39 | 0.087 | 33.01 | -13.62 |
| 20 MHz | QPSK | 2510.0 | 0.80 | 1 / 0 | 23.20 | 24.00 | 0.251 | 33.01 | -9.01 |
| | | 2535.0 | 0.80 | 1 / 0 | 23.00 | 23.80 | 0.240 | 33.01 | -9.21 |
| | | 2560.0 | 0.80 | 1 / 0 | 23.14 | 23.94 | 0.248 | 33.01 | -9.07 |
| | 16-QAM | 2535.0 | 0.80 | 1 / 0 | 22.65 | 23.45 | 0.221 | 33.01 | -9.56 |
| | 64-QAM | 2510.0 | 0.80 | 1 / 0 | 21.75 | 22.55 | 0.180 | 33.01 | -10.46 |
| | 256-QAM | 2535.0 | 0.80 | 1 / 0 | 18.48 | 19.28 | 0.085 | 33.01 | -13.73 |


Table 7-37. Antenna 2 EIRP Data (LTE Band 7)

| | | | |
|---|---|-----------------------------------|--|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
| Test Report S/N: 1C2106080049-04-R1.BCG | Test Dates: 6/2/2021 - 8/26/2021 | EUT Type: Tablet Device | Page 192 of 250 |

LTE Band 41 (PC2)

| Bandwidth | Mod. | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|---------|-----------------|-----------------|----------------|-----------------------|--------------|--------------|------------------|-------------|
| 5 MHz | QPSK | 2498.5 | 0.30 | 1 / 24 | 24.20 | 24.50 | 0.282 | 33.01 | -8.51 |
| | | 2593.0 | 0.30 | 1 / 12 | 24.85 | 25.15 | 0.327 | 33.01 | -7.86 |
| | | 2687.5 | 0.30 | 1 / 12 | 24.66 | 24.96 | 0.313 | 33.01 | -8.05 |
| | 16-QAM | 2593.0 | 0.30 | 1 / 0 | 24.44 | 24.74 | 0.298 | 33.01 | -8.27 |
| | 64-QAM | 2593.0 | 0.30 | 1 / 0 | 23.90 | 24.20 | 0.263 | 33.01 | -8.81 |
| | 256-QAM | 2593.0 | 0.30 | 1 / 12 | 20.55 | 20.85 | 0.122 | 33.01 | -12.16 |
| 10 MHz | QPSK | 2501.0 | 0.30 | 1 / 49 | 24.20 | 24.50 | 0.282 | 33.01 | -8.51 |
| | | 2593.0 | 0.30 | 1 / 25 | 24.89 | 25.19 | 0.330 | 33.01 | -7.82 |
| | | 2685.0 | 0.30 | 1 / 25 | 24.81 | 25.11 | 0.324 | 33.01 | -7.90 |
| | 16-QAM | 2593.0 | 0.30 | 1 / 25 | 24.36 | 24.66 | 0.292 | 33.01 | -8.35 |
| | 64-QAM | 2685.0 | 0.30 | 1 / 25 | 23.42 | 23.72 | 0.236 | 33.01 | -9.29 |
| | 256-QAM | 2593.0 | 0.30 | 1 / 25 | 20.19 | 20.49 | 0.112 | 33.01 | -12.52 |
| 15 MHz | QPSK | 2503.5 | 0.30 | 1 / 0 | 24.20 | 24.50 | 0.282 | 33.01 | -8.51 |
| | | 2593.0 | 0.30 | 1 / 74 | 24.92 | 25.22 | 0.333 | 33.01 | -7.79 |
| | | 2682.5 | 0.30 | 1 / 0 | 24.69 | 24.99 | 0.316 | 33.01 | -8.02 |
| | 16-QAM | 2682.5 | 0.30 | 1 / 0 | 24.26 | 24.56 | 0.286 | 33.01 | -8.45 |
| | 64-QAM | 2593.0 | 0.30 | 1 / 0 | 23.49 | 23.79 | 0.239 | 33.01 | -9.22 |
| | 256-QAM | 2593.0 | 0.30 | 1 / 0 | 20.55 | 20.85 | 0.122 | 33.01 | -12.16 |
| 20 MHz | QPSK | 2506.0 | 0.30 | 1 / 0 | 24.20 | 24.50 | 0.282 | 33.01 | -8.51 |
| | | 2593.0 | 0.30 | 1 / 50 | 24.78 | 25.08 | 0.322 | 33.01 | -7.93 |
| | | 2680.0 | 0.30 | 1 / 50 | 24.87 | 25.17 | 0.329 | 33.01 | -7.84 |
| | 16-QAM | 2680.0 | 0.30 | 1 / 50 | 24.18 | 24.48 | 0.281 | 33.01 | -8.53 |
| | 64-QAM | 2680.0 | 0.30 | 1 / 50 | 23.34 | 23.64 | 0.231 | 33.01 | -9.37 |
| | 256-QAM | 2593.0 | 0.30 | 1 / 50 | 20.41 | 20.71 | 0.118 | 33.01 | -12.30 |


Table 7-38. Antenna 2 EIRP Data (LTE Band 41(PC2))

| | | | |
|---|---|-----------------------------------|--|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
| Test Report S/N: 1C2106080049-04-R1.BCG | Test Dates: 6/2/2021 - 8/26/2021 | EUT Type: Tablet Device | Page 193 of 250 |

LTE Band 41 (PC3)

| Bandwidth | Mod. | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|---------|-----------------|-----------------|----------------|-----------------------|--------------|--------------|------------------|-------------|
| 5 MHz | QPSK | 2498.5 | 0.30 | 1 / 24 | 24.20 | 24.50 | 0.282 | 33.01 | -8.51 |
| | | 2593.0 | 0.30 | 1 / 12 | 24.89 | 25.19 | 0.330 | 33.01 | -7.82 |
| | | 2687.5 | 0.30 | 1 / 0 | 24.74 | 25.04 | 0.319 | 33.01 | -7.97 |
| | 16-QAM | 2593.0 | 0.30 | 1 / 12 | 24.08 | 24.38 | 0.274 | 33.01 | -8.63 |
| | 64-QAM | 2593.0 | 0.30 | 1 / 0 | 23.18 | 23.48 | 0.223 | 33.01 | -9.53 |
| | 256-QAM | 2593.0 | 0.30 | 1 / 12 | 20.26 | 20.56 | 0.114 | 33.01 | -12.45 |
| 10 MHz | QPSK | 2501.0 | 0.30 | 1 / 49 | 24.20 | 24.50 | 0.282 | 33.01 | -8.51 |
| | | 2593.0 | 0.30 | 1 / 0 | 24.89 | 25.19 | 0.330 | 33.01 | -7.82 |
| | | 2685.0 | 0.30 | 1 / 0 | 24.74 | 25.04 | 0.319 | 33.01 | -7.97 |
| | 16-QAM | 2593.0 | 0.30 | 1 / 0 | 24.17 | 24.47 | 0.280 | 33.01 | -8.54 |
| | 64-QAM | 2685.0 | 0.30 | 1 / 0 | 22.74 | 23.04 | 0.201 | 33.01 | -9.97 |
| | 256-QAM | 2685.0 | 0.30 | 1 / 25 | 19.95 | 20.25 | 0.106 | 33.01 | -12.76 |
| 15 MHz | QPSK | 2503.5 | 0.30 | 1 / 0 | 24.20 | 24.50 | 0.282 | 33.01 | -8.51 |
| | | 2593.0 | 0.30 | 1 / 74 | 24.73 | 25.03 | 0.318 | 33.01 | -7.98 |
| | | 2682.5 | 0.30 | 1 / 74 | 24.66 | 24.96 | 0.313 | 33.01 | -8.05 |
| | 16-QAM | 2682.5 | 0.30 | 1 / 74 | 23.73 | 24.03 | 0.253 | 33.01 | -8.98 |
| | 64-QAM | 2593.0 | 0.30 | 1 / 0 | 22.71 | 23.01 | 0.200 | 33.01 | -10.00 |
| | 256-QAM | 2593.0 | 0.30 | 1 / 0 | 20.25 | 20.55 | 0.114 | 33.01 | -12.46 |
| 20 MHz | QPSK | 2506.0 | 0.30 | 1 / 0 | 24.20 | 24.50 | 0.282 | 33.01 | -8.51 |
| | | 2593.0 | 0.30 | 1 / 50 | 24.75 | 25.05 | 0.320 | 33.01 | -7.96 |
| | | 2680.0 | 0.30 | 1 / 50 | 24.74 | 25.04 | 0.319 | 33.01 | -7.97 |
| | 16-QAM | 2593.0 | 0.30 | 1 / 50 | 24.07 | 24.37 | 0.274 | 33.01 | -8.64 |
| | 64-QAM | 2593.0 | 0.30 | 1 / 0 | 22.55 | 22.85 | 0.193 | 33.01 | -10.16 |
| | 256-QAM | 2593.0 | 0.30 | 1 / 50 | 19.96 | 20.26 | 0.106 | 33.01 | -12.75 |


Table 7-39. Antenna 2 EIRP Data (LTE Band 41(PC3))

| | | | |
|--|---|----------------------------|---------------------------------|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
| Test Report S/N: 1C2106080049-04-R1.BCG | Test Dates: 6/2/2021 - 8/26/2021 | EUT Type: Tablet Device | Page 194 of 250 |

NR Band n30

| 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 | 2307.5 | 0.90 | 1 / 23 | 18.51 | 19.41 | 0.087 | 23.98 | -4.57 |
| | | 2310.0 | 0.90 | 1 / 23 | 18.62 | 19.52 | 0.089 | 23.98 | -4.46 |
| | | 2312.5 | 0.90 | 1 / 12 | 18.70 | 19.60 | 0.091 | 23.98 | -4.38 |
| | QPSK | 2307.5 | 0.90 | 1 / 23 | 18.69 | 19.59 | 0.091 | 23.98 | -4.38 |
| | | 2310.0 | 0.90 | 1 / 23 | 18.70 | 19.60 | 0.091 | 23.98 | -4.38 |
| | | 2312.5 | 0.90 | 1 / 23 | 18.64 | 19.54 | 0.090 | 23.98 | -4.44 |
| | 16-QAM | 2310.0 | 0.90 | 1 / 12 | 18.45 | 19.35 | 0.086 | 23.98 | -4.63 |
| | 64-QAM | 2312.5 | 0.90 | 1 / 12 | 17.79 | 18.69 | 0.074 | 23.98 | -5.29 |
| 10 MHz | 256-QAM | 2307.5 | 0.90 | 1 / 23 | 14.45 | 15.35 | 0.034 | 23.98 | -8.63 |
| | $\pi/2$ BPSK | 2310.0 | 0.90 | 1 / 1 | 18.70 | 19.60 | 0.091 | 23.98 | -4.38 |
| | QPSK | 2310.0 | 0.90 | 1 / 50 | 18.70 | 19.60 | 0.091 | 23.98 | -4.38 |
| | 16-QAM | 2310.0 | 0.90 | 1 / 26 | 18.00 | 18.90 | 0.078 | 23.98 | -5.08 |
| | 64-QAM | 2310.0 | 0.90 | 1 / 50 | 17.52 | 18.42 | 0.069 | 23.98 | -5.56 |
| | 256-QAM | 2310.0 | 0.90 | 1 / 50 | 14.32 | 15.22 | 0.033 | 23.98 | -8.76 |


Table 7-40. Antenna 2 EIRP Data (NR Band n30)

| | | | |
|---|---|-----------------------------------|--|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
| Test Report S/N: 1C2106080049-04-R1.BCG | Test Dates: 6/2/2021 - 8/26/2021 | EUT Type: Tablet Device | Page 195 of 250 |

NR Band n7

| 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 | 2502.5 | 0.80 | 1 / 12 | 22.95 | 23.75 | 0.237 | 33.01 | -9.26 |
| | | 2535.0 | 0.80 | 1 / 1 | 22.98 | 23.78 | 0.239 | 33.01 | -9.23 |
| | | 2567.5 | 0.80 | 1 / 23 | 23.05 | 23.85 | 0.243 | 33.01 | -9.16 |
| | QPSK | 2502.5 | 0.80 | 1 / 23 | 23.10 | 23.90 | 0.246 | 33.01 | -9.11 |
| | | 2535.0 | 0.80 | 1 / 1 | 23.20 | 24.00 | 0.251 | 33.01 | -9.01 |
| | | 2567.5 | 0.80 | 1 / 1 | 23.14 | 23.94 | 0.248 | 33.01 | -9.07 |
| | 16-QAM | 2567.5 | 0.80 | 1 / 1 | 22.67 | 23.47 | 0.222 | 33.01 | -9.54 |
| | 64-QAM | 2535.0 | 0.80 | 1 / 1 | 21.04 | 21.84 | 0.153 | 33.01 | -11.17 |
| 10 MHz | π/2 BPSK | 2502.5 | 0.80 | 1 / 1 | 18.98 | 19.78 | 0.095 | 33.01 | -13.23 |
| | | 2535.0 | 0.80 | 1 / 26 | 23.12 | 23.92 | 0.247 | 33.01 | -9.09 |
| | | 2565.0 | 0.80 | 1 / 1 | 22.98 | 23.78 | 0.239 | 33.01 | -9.23 |
| | QPSK | 2505.0 | 0.80 | 1 / 50 | 22.95 | 23.75 | 0.237 | 33.01 | -9.26 |
| | | 2535.0 | 0.80 | 1 / 26 | 23.20 | 24.00 | 0.251 | 33.01 | -9.01 |
| | | 2565.0 | 0.80 | 1 / 1 | 22.96 | 23.76 | 0.238 | 33.01 | -9.25 |
| | 16-QAM | 2505.0 | 0.80 | 1 / 50 | 22.23 | 23.03 | 0.201 | 33.01 | -9.98 |
| | 64-QAM | 2535.0 | 0.80 | 1 / 1 | 21.04 | 21.84 | 0.153 | 33.01 | -11.18 |
| 15 MHz | π/2 BPSK | 2505.0 | 0.80 | 1 / 1 | 19.14 | 19.94 | 0.099 | 33.01 | -13.07 |
| | | 2507.5 | 0.80 | 1 / 1 | 23.10 | 23.90 | 0.245 | 33.01 | -9.11 |
| | | 2535.0 | 0.80 | 1 / 1 | 23.13 | 23.93 | 0.247 | 33.01 | -9.08 |
| | QPSK | 2562.5 | 0.80 | 1 / 37 | 23.05 | 23.85 | 0.243 | 33.01 | -9.16 |
| | | 2507.5 | 0.80 | 1 / 1 | 23.15 | 23.95 | 0.248 | 33.01 | -9.06 |
| | | 2535.0 | 0.80 | 1 / 77 | 23.17 | 23.97 | 0.249 | 33.01 | -9.04 |
| | 16-QAM | 2562.5 | 0.80 | 1 / 77 | 23.20 | 24.00 | 0.251 | 33.01 | -9.01 |
| | | 2507.5 | 0.80 | 1 / 1 | 22.69 | 23.49 | 0.224 | 33.01 | -9.52 |
| 20 MHz | π/2 BPSK | 2535.0 | 0.80 | 1 / 77 | 21.08 | 21.88 | 0.154 | 33.01 | -11.13 |
| | | 2535.0 | 0.80 | 1 / 77 | 19.17 | 19.97 | 0.099 | 33.01 | -13.04 |
| | QPSK | 2510.0 | 0.80 | 1 / 53 | 23.14 | 23.94 | 0.248 | 33.01 | -9.07 |
| | | 2535.0 | 0.80 | 1 / 53 | 23.11 | 23.91 | 0.246 | 33.01 | -9.10 |
| | | 2560.0 | 0.80 | 1 / 1 | 23.04 | 23.84 | 0.242 | 33.01 | -9.17 |
| | 16-QAM | 2510.0 | 0.80 | 1 / 104 | 23.15 | 23.95 | 0.248 | 33.01 | -9.06 |
| | | 2535.0 | 0.80 | 1 / 1 | 23.20 | 24.00 | 0.251 | 33.01 | -9.01 |
| | | 2560.0 | 0.80 | 1 / 1 | 23.12 | 23.92 | 0.247 | 33.01 | -9.09 |
| 25 MHz | π/2 BPSK | 2510.0 | 0.80 | 1 / 104 | 22.61 | 23.41 | 0.219 | 33.01 | -9.60 |
| | | 2535.0 | 0.80 | 1 / 53 | 21.08 | 21.88 | 0.154 | 33.01 | -11.13 |
| | | 2510.0 | 0.80 | 1 / 53 | 19.07 | 19.87 | 0.097 | 33.01 | -13.14 |
| | QPSK | 2512.5 | 0.80 | 1 / 131 | 21.20 | 22.00 | 0.158 | 33.01 | -11.01 |
| | | 2535.0 | 0.80 | 1 / 66 | 21.08 | 21.88 | 0.154 | 33.01 | -11.13 |
| | | 2567.5 | 0.80 | 1 / 66 | 21.14 | 21.94 | 0.156 | 33.01 | -11.08 |
| | 16-QAM | 2512.5 | 0.80 | 1 / 66 | 21.11 | 21.91 | 0.155 | 33.01 | -11.10 |
| | | 2535.0 | 0.80 | 1 / 66 | 21.15 | 21.95 | 0.157 | 33.01 | -11.07 |
| 30 MHz | π/2 BPSK | 2567.5 | 0.80 | 1 / 131 | 20.92 | 21.72 | 0.149 | 33.01 | -11.29 |
| | | 2512.5 | 0.80 | 1 / 66 | 21.04 | 21.84 | 0.153 | 33.01 | -11.17 |
| | | 2557.5 | 0.80 | 1 / 131 | 18.89 | 19.69 | 0.093 | 33.01 | -13.32 |
| | QPSK | 2567.5 | 0.80 | 1 / 131 | 17.05 | 17.85 | 0.061 | 33.01 | -15.16 |
| | | 2515.0 | 0.80 | 1 / 80 | 20.82 | 21.62 | 0.145 | 33.01 | -11.39 |
| | | 2535.0 | 0.80 | 1 / 80 | 21.20 | 22.00 | 0.158 | 33.01 | -11.01 |
| | 16-QAM | 2565.0 | 0.80 | 1 / 80 | 20.83 | 21.63 | 0.146 | 33.01 | -11.38 |
| | | 2515.0 | 0.80 | 1 / 158 | 21.17 | 21.97 | 0.157 | 33.01 | -11.04 |
| 40 MHz | π/2 BPSK | 2535.0 | 0.80 | 1 / 1 | 21.04 | 21.84 | 0.153 | 33.01 | -11.17 |
| | | 2555.0 | 0.80 | 1 / 80 | 21.18 | 21.98 | 0.158 | 33.01 | -11.03 |
| | | 2515.0 | 0.80 | 1 / 158 | 20.53 | 21.33 | 0.136 | 33.01 | -11.68 |
| | QPSK | 2515.0 | 0.80 | 1 / 158 | 19.16 | 19.96 | 0.099 | 33.01 | -13.05 |
| | | 2555.0 | 0.80 | 1 / 158 | 17.58 | 18.38 | 0.069 | 33.01 | -14.63 |
| | 16-QAM | 2520.0 | 0.80 | 1 / 108 | 21.01 | 21.81 | 0.152 | 33.01 | -11.20 |
| | | 2535.0 | 0.80 | 1 / 1 | 21.20 | 22.00 | 0.158 | 33.01 | -11.01 |
| | | 2550.0 | 0.80 | 1 / 108 | 20.81 | 21.61 | 0.145 | 33.01 | -11.40 |


Table 7-41. Antenna 2 EIRP Data (NR Band n7)

| | | | | |
|--|---|----------------------------|--|---------------------------------|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | | Approved by: Quality Manager |
| Test Report S/N: 1C2106080049-04-R1.BCG | Test Dates: 6/2/2021 - 8/26/2021 | EUT Type: Tablet Device | | Page 196 of 250 |

NR Band n41 (PC2)

| Bandwidth | Mod. | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|----------|-----------------|-----------------|----------------|-----------------------|------------|--------------|------------------|-------------|
| 20 MHz | π/2 BPSK | 2506.0 | 0.30 | 1 / 49 | 26.57 | 26.87 | 0.487 | 33.01 | -6.14 |
| | | 2593.0 | 0.30 | 1 / 49 | 27.00 | 27.30 | 0.537 | 33.01 | -5.71 |
| | | 2680.0 | 0.30 | 1 / 49 | 27.60 | 27.90 | 0.616 | 33.01 | -5.11 |
| | QPSK | 2506.0 | 0.30 | 1 / 25 | 25.81 | 26.11 | 0.408 | 33.01 | -6.90 |
| | | 2593.0 | 0.30 | 1 / 1 | 26.11 | 26.41 | 0.437 | 33.01 | -6.60 |
| | | 2680.0 | 0.30 | 1 / 1 | 26.19 | 26.49 | 0.446 | 33.01 | -6.52 |
| | 16-QAM | 2680.0 | 0.30 | 1 / 49 | 25.09 | 25.39 | 0.346 | 33.01 | -7.62 |
| | 64-QAM | 2506.0 | 0.30 | 1 / 49 | 23.47 | 23.77 | 0.238 | 33.01 | -9.24 |
| 30 MHz | π/2 BPSK | 2593.0 | 0.30 | 1 / 49 | 21.66 | 21.96 | 0.157 | 33.01 | -11.05 |
| | | 2511.0 | 0.30 | 1 / 1 | 27.39 | 27.69 | 0.587 | 33.01 | -5.32 |
| | | 2593.0 | 0.30 | 1 / 1 | 27.29 | 27.59 | 0.575 | 33.01 | -5.42 |
| | QPSK | 2675.0 | 0.30 | 1 / 1 | 27.25 | 27.55 | 0.569 | 33.01 | -5.46 |
| | | 2511.0 | 0.30 | 1 / 53 | 27.33 | 27.63 | 0.580 | 33.01 | -5.38 |
| | | 2593.0 | 0.30 | 1 / 53 | 27.40 | 27.70 | 0.589 | 33.01 | -5.31 |
| | 16-QAM | 2675.0 | 0.30 | 1 / 53 | 27.47 | 27.77 | 0.598 | 33.01 | -5.24 |
| | | 2593.0 | 0.30 | 1 / 1 | 26.95 | 27.25 | 0.531 | 33.01 | -5.76 |
| 40 MHz | π/2 BPSK | 2675.0 | 0.30 | 1 / 104 | 25.17 | 25.47 | 0.352 | 33.01 | -7.54 |
| | | 2593.0 | 0.30 | 1 / 53 | 21.66 | 21.96 | 0.157 | 33.01 | -11.05 |
| | | 2516.0 | 0.30 | 1 / 104 | 27.56 | 27.86 | 0.612 | 33.01 | -5.15 |
| | QPSK | 2593.0 | 0.30 | 1 / 53 | 27.66 | 27.96 | 0.625 | 33.01 | -5.05 |
| | | 2670.0 | 0.30 | 1 / 104 | 27.70 | 28.00 | 0.631 | 33.01 | -5.01 |
| | | 2516.0 | 0.30 | 1 / 104 | 27.42 | 27.72 | 0.591 | 33.01 | -5.30 |
| | 16-QAM | 2593.0 | 0.30 | 1 / 104 | 27.48 | 27.78 | 0.600 | 33.01 | -5.23 |
| | | 2670.0 | 0.30 | 1 / 104 | 27.68 | 27.98 | 0.629 | 33.01 | -5.03 |
| 50 MHz | π/2 BPSK | 2593.0 | 0.30 | 1 / 1 | 26.95 | 27.25 | 0.531 | 33.01 | -5.76 |
| | | 2670.0 | 0.30 | 1 / 104 | 25.34 | 25.64 | 0.366 | 33.01 | -7.37 |
| | | 2593.0 | 0.30 | 1 / 104 | 23.29 | 23.59 | 0.229 | 33.01 | -9.42 |
| | QPSK | 2521.0 | 0.30 | 1 / 66 | 27.56 | 27.86 | 0.610 | 33.01 | -5.16 |
| | | 2593.0 | 0.30 | 1 / 1 | 27.68 | 27.98 | 0.629 | 33.01 | -5.03 |
| | | 2665.0 | 0.30 | 1 / 1 | 27.70 | 28.00 | 0.631 | 33.01 | -5.01 |
| | 16-QAM | 2521.0 | 0.30 | 1 / 66 | 27.63 | 27.93 | 0.620 | 33.01 | -5.08 |
| | | 2593.0 | 0.30 | 1 / 131 | 27.40 | 27.70 | 0.589 | 33.01 | -5.31 |
| 60 MHz | π/2 BPSK | 2665.0 | 0.30 | 1 / 131 | 27.47 | 27.77 | 0.598 | 33.01 | -5.24 |
| | | 2521.0 | 0.30 | 1 / 160 | 27.65 | 27.95 | 0.623 | 33.01 | -5.07 |
| | | 2593.0 | 0.30 | 1 / 81 | 27.67 | 27.97 | 0.627 | 33.01 | -5.04 |
| | QPSK | 2660.0 | 0.30 | 1 / 1 | 27.70 | 28.00 | 0.631 | 33.01 | -5.01 |
| | | 2526.0 | 0.30 | 1 / 81 | 27.44 | 27.74 | 0.594 | 33.01 | -5.28 |
| | | 2593.0 | 0.30 | 1 / 1 | 27.43 | 27.73 | 0.593 | 33.01 | -5.28 |
| | 16-QAM | 2660.0 | 0.30 | 1 / 1 | 27.67 | 27.97 | 0.627 | 33.01 | -5.04 |
| | | 2660.0 | 0.30 | 1 / 1 | 26.82 | 27.12 | 0.516 | 33.01 | -5.89 |
| 80 MHz | π/2 BPSK | 2660.0 | 0.30 | 1 / 81 | 25.45 | 25.75 | 0.376 | 33.01 | -7.26 |
| | | 2593.0 | 0.30 | 1 / 81 | 23.32 | 23.62 | 0.230 | 33.01 | -9.39 |
| | | 2536.0 | 0.30 | 1 / 108 | 27.63 | 27.93 | 0.622 | 33.01 | -5.08 |
| | QPSK | 2593.0 | 0.30 | 1 / 108 | 27.58 | 27.88 | 0.614 | 33.01 | -5.13 |
| | | 2650.0 | 0.30 | 1 / 215 | 27.70 | 28.00 | 0.631 | 33.01 | -5.01 |
| | | 2536.0 | 0.30 | 1 / 215 | 27.55 | 27.85 | 0.609 | 33.01 | -5.16 |
| | 16-QAM | 2593.0 | 0.30 | 1 / 108 | 27.61 | 27.91 | 0.618 | 33.01 | -5.10 |
| | | 2650.0 | 0.30 | 1 / 108 | 27.67 | 27.97 | 0.627 | 33.01 | -5.04 |
| 90 MHz | π/2 BPSK | 2593.0 | 0.30 | 1 / 108 | 27.03 | 27.33 | 0.540 | 33.01 | -5.68 |
| | | 2650.0 | 0.30 | 1 / 108 | 25.35 | 25.65 | 0.367 | 33.01 | -7.36 |
| | | 2593.0 | 0.30 | 1 / 108 | 23.48 | 23.78 | 0.239 | 33.01 | -9.23 |
| | QPSK | 2541.0 | 0.30 | 1 / 243 | 27.34 | 27.64 | 0.581 | 33.01 | -5.37 |
| | | 2593.0 | 0.30 | 1 / 243 | 27.36 | 27.66 | 0.583 | 33.01 | -5.35 |
| | | 2645.0 | 0.30 | 1 / 1 | 27.66 | 27.96 | 0.625 | 33.01 | -5.05 |
| | 16-QAM | 2541.0 | 0.30 | 1 / 243 | 27.60 | 27.90 | 0.617 | 33.01 | -5.11 |
| | | 2593.0 | 0.30 | 1 / 122 | 27.58 | 27.88 | 0.613 | 33.01 | -5.13 |
| 100 MHz | π/2 BPSK | 2645.0 | 0.30 | 1 / 243 | 27.70 | 28.00 | 0.631 | 33.01 | -5.01 |
| | | 2541.0 | 0.30 | 1 / 243 | 27.00 | 27.30 | 0.537 | 33.01 | -5.71 |
| | | 2593.0 | 0.30 | 1 / 122 | 25.36 | 25.66 | 0.368 | 33.01 | -7.35 |
| | QPSK | 2541.0 | 0.30 | 1 / 243 | 23.49 | 23.79 | 0.239 | 33.01 | -9.22 |
| | | 2546.0 | 0.30 | 1 / 136 | 27.56 | 27.86 | 0.611 | 33.01 | -5.15 |
| | | 2593.0 | 0.30 | 1 / 136 | 27.67 | 27.97 | 0.627 | 33.01 | -5.04 |
| | 16-QAM | 2640.0 | 0.30 | 1 / 271 | 27.69 | 27.99 | 0.629 | 33.01 | -5.02 |
| | | 2546.0 | 0.30 | 1 / 136 | 27.60 | 27.90 | 0.616 | 33.01 | -5.11 |
| 100 MHz | π/2 BPSK | 2593.0 | 0.30 | 1 / 136 | 27.50 | 27.80 | 0.602 | 33.01 | -5.21 |
| | | 2640.0 | 0.30 | 1 / 271 | 27.70 | 28.00 | 0.631 | 33.01 | -5.01 |
| | | 2546.0 | 0.30 | 1 / 271 | 26.93 | 27.23 | 0.529 | 33.01 | -5.78 |
| | QPSK | 2546.0 | 0.30 | 1 / 271 | 25.60 | 25.90 | 0.389 | 33.01 | -7.11 |
| | | 2593.0 | 0.30 | 1 / 136 | 23.36 | 23.66 | 0.232 | 33.01 | -9.35 |
| | | 2546.0 | 0.30 | 1 / 136 | 27.56 | 27.86 | 0.611 | 33.01 | -5.15 |
| | 16-QAM | 2593.0 | 0.30 | 1 / 136 | 27.67 | 27.97 | 0.627 | 33.01 | -5.04 |
| | | 2640.0 | 0.30 | 1 / 271 | 27.69 | 27.99 | 0.629 | 33.01 | -5.02 |


Table 7-42. Antenna 2 EIRP Data (NR Band n41)

| | | | |
|--|---|----------------------------|---------------------------------|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
| Test Report S/N: 1C2106080049-04-R1.BCG | Test Dates: 6/2/2021 - 8/26/2021 | EUT Type: Tablet Device | Page 197 of 250 |

NR Band n41 (PC3)

| Bandwidth | Mod. | Frequency [MHz] | Ant. Gain [dBi] | RB Size/Offset | Conducted Power [dBm] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|----------|-----------------|-----------------|----------------|-----------------------|------------|--------------|------------------|-------------|
| 20 MHz | π/2 BPSK | 2506.0 | 0.30 | 1 / 25 | 25.22 | 25.52 | 0.356 | 33.01 | -7.49 |
| | | 2593.0 | 0.30 | 1 / 25 | 25.62 | 25.92 | 0.391 | 33.01 | -7.09 |
| | | 2680.0 | 0.30 | 1 / 49 | 25.70 | 26.00 | 0.398 | 33.01 | -7.01 |
| | QPSK | 2506.0 | 0.30 | 1 / 49 | 25.70 | 26.00 | 0.398 | 33.01 | -7.01 |
| | | 2593.0 | 0.30 | 1 / 1 | 25.69 | 25.99 | 0.397 | 33.01 | -7.02 |
| | | 2680.0 | 0.30 | 1 / 25 | 25.68 | 25.98 | 0.396 | 33.01 | -7.03 |
| | 16-QAM | 2680.0 | 0.30 | 1 / 25 | 24.98 | 25.28 | 0.337 | 33.01 | -7.73 |
| | 64-QAM | 2680.0 | 0.30 | 1 / 25 | 23.50 | 23.80 | 0.240 | 33.01 | -9.21 |
| 30 MHz | π/2 BPSK | 2511.0 | 0.30 | 1 / 1 | 25.64 | 25.94 | 0.393 | 33.01 | -7.07 |
| | | 2593.0 | 0.30 | 1 / 1 | 25.37 | 25.67 | 0.369 | 33.01 | -7.34 |
| | | 2675.0 | 0.30 | 1 / 1 | 25.13 | 25.43 | 0.349 | 33.01 | -7.58 |
| | QPSK | 2511.0 | 0.30 | 1 / 1 | 25.23 | 25.53 | 0.357 | 33.01 | -7.48 |
| | | 2593.0 | 0.30 | 1 / 1 | 25.25 | 25.55 | 0.359 | 33.01 | -7.46 |
| | | 2675.0 | 0.30 | 1 / 1 | 25.59 | 25.89 | 0.389 | 33.01 | -7.12 |
| | 16-QAM | 2675.0 | 0.30 | 1 / 53 | 24.98 | 25.28 | 0.337 | 33.01 | -7.73 |
| | 64-QAM | 2675.0 | 0.30 | 1 / 53 | 23.25 | 23.55 | 0.226 | 33.01 | -9.46 |
| 40 MHz | π/2 BPSK | 2511.0 | 0.30 | 1 / 104 | 20.97 | 21.27 | 0.134 | 33.01 | -11.74 |
| | | 2516.0 | 0.30 | 1 / 104 | 25.34 | 25.64 | 0.367 | 33.01 | -7.37 |
| | | 2593.0 | 0.30 | 1 / 104 | 25.55 | 25.85 | 0.384 | 33.01 | -7.16 |
| | QPSK | 2516.0 | 0.30 | 1 / 53 | 25.66 | 25.96 | 0.394 | 33.01 | -7.05 |
| | | 2593.0 | 0.30 | 1 / 53 | 25.25 | 25.55 | 0.359 | 33.01 | -7.46 |
| | | 2670.0 | 0.30 | 1 / 104 | 25.39 | 25.69 | 0.371 | 33.01 | -7.32 |
| | 16-QAM | 2516.0 | 0.30 | 1 / 53 | 25.22 | 25.52 | 0.357 | 33.01 | -7.49 |
| | 64-QAM | 2670.0 | 0.30 | 1 / 53 | 23.55 | 23.85 | 0.243 | 33.01 | -9.16 |
| 50 MHz | π/2 BPSK | 2521.0 | 0.30 | 1 / 131 | 25.25 | 25.55 | 0.359 | 33.01 | -7.46 |
| | | 2593.0 | 0.30 | 1 / 131 | 25.60 | 25.90 | 0.389 | 33.01 | -7.11 |
| | | 2665.0 | 0.30 | 1 / 66 | 25.42 | 25.72 | 0.373 | 33.01 | -7.29 |
| | QPSK | 2521.0 | 0.30 | 1 / 66 | 25.48 | 25.78 | 0.379 | 33.01 | -7.23 |
| | | 2593.0 | 0.30 | 1 / 1 | 24.99 | 25.29 | 0.338 | 33.01 | -7.73 |
| | | 2665.0 | 0.30 | 1 / 131 | 25.70 | 26.00 | 0.398 | 33.01 | -7.01 |
| | 16-QAM | 2665.0 | 0.30 | 1 / 66 | 25.19 | 25.49 | 0.354 | 33.01 | -7.52 |
| | 64-QAM | 2593.0 | 0.30 | 1 / 66 | 23.44 | 23.74 | 0.237 | 33.01 | -9.27 |
| 60 MHz | π/2 BPSK | 2526.0 | 0.30 | 1 / 81 | 25.64 | 25.94 | 0.393 | 33.01 | -7.07 |
| | | 2593.0 | 0.30 | 1 / 1 | 25.52 | 25.82 | 0.382 | 33.01 | -7.19 |
| | | 2660.0 | 0.30 | 1 / 160 | 25.70 | 26.00 | 0.398 | 33.01 | -7.01 |
| | QPSK | 2526.0 | 0.30 | 1 / 160 | 25.25 | 25.55 | 0.359 | 33.01 | -7.46 |
| | | 2593.0 | 0.30 | 1 / 81 | 25.25 | 25.55 | 0.359 | 33.01 | -7.46 |
| | | 2660.0 | 0.30 | 1 / 81 | 25.59 | 25.89 | 0.389 | 33.01 | -7.12 |
| | 16-QAM | 2660.0 | 0.30 | 1 / 160 | 25.10 | 25.40 | 0.347 | 33.01 | -7.61 |
| | 64-QAM | 2593.0 | 0.30 | 1 / 160 | 23.47 | 23.77 | 0.238 | 33.01 | -9.24 |
| 80 MHz | π/2 BPSK | 2536.0 | 0.30 | 1 / 215 | 25.02 | 25.32 | 0.340 | 33.01 | -7.69 |
| | | 2593.0 | 0.30 | 1 / 215 | 25.39 | 25.69 | 0.370 | 33.01 | -7.32 |
| | | 2650.0 | 0.30 | 1 / 215 | 25.70 | 26.00 | 0.398 | 33.01 | -7.01 |
| | QPSK | 2536.0 | 0.30 | 1 / 108 | 25.34 | 25.64 | 0.367 | 33.01 | -7.37 |
| | | 2593.0 | 0.30 | 1 / 108 | 25.64 | 25.94 | 0.393 | 33.01 | -7.07 |
| | | 2650.0 | 0.30 | 1 / 108 | 25.13 | 25.43 | 0.349 | 33.01 | -7.58 |
| | 16-QAM | 2593.0 | 0.30 | 1 / 108 | 25.21 | 25.51 | 0.355 | 33.01 | -7.50 |
| | 64-QAM | 2593.0 | 0.30 | 1 / 108 | 23.48 | 23.78 | 0.239 | 33.01 | -9.23 |
| 90 MHz | π/2 BPSK | 2541.0 | 0.30 | 1 / 122 | 25.29 | 25.59 | 0.363 | 33.01 | -7.42 |
| | | 2593.0 | 0.30 | 1 / 1 | 25.44 | 25.74 | 0.375 | 33.01 | -7.28 |
| | | 2645.0 | 0.30 | 1 / 243 | 25.65 | 25.95 | 0.393 | 33.01 | -7.06 |
| | QPSK | 2541.0 | 0.30 | 1 / 243 | 25.25 | 25.55 | 0.359 | 33.01 | -7.46 |
| | | 2593.0 | 0.30 | 1 / 243 | 25.70 | 26.00 | 0.398 | 33.01 | -7.01 |
| | | 2645.0 | 0.30 | 1 / 243 | 25.62 | 25.92 | 0.390 | 33.01 | -7.09 |
| | 16-QAM | 2541.0 | 0.30 | 1 / 122 | 24.58 | 24.88 | 0.308 | 33.01 | -8.13 |
| | 64-QAM | 2593.0 | 0.30 | 1 / 243 | 23.45 | 23.75 | 0.237 | 33.01 | -9.26 |
| 100 MHz | π/2 BPSK | 2546.0 | 0.30 | 1 / 136 | 25.64 | 25.94 | 0.393 | 33.01 | -7.07 |
| | | 2593.0 | 0.30 | 1 / 271 | 25.70 | 26.00 | 0.398 | 33.01 | -7.01 |
| | | 2640.0 | 0.30 | 1 / 1 | 25.49 | 25.79 | 0.379 | 33.01 | -7.22 |
| | QPSK | 2546.0 | 0.30 | 1 / 271 | 25.52 | 25.82 | 0.382 | 33.01 | -7.19 |
| | | 2593.0 | 0.30 | 1 / 136 | 25.53 | 25.83 | 0.383 | 33.01 | -7.18 |
| | | 2640.0 | 0.30 | 1 / 271 | 25.35 | 25.65 | 0.367 | 33.01 | -7.36 |
| | 16-QAM | 2640.0 | 0.30 | 1 / 271 | 24.98 | 25.28 | 0.337 | 33.01 | -7.73 |
| | 64-QAM | 2593.0 | 0.30 | 1 / 136 | 23.50 | 23.80 | 0.240 | 33.01 | -9.21 |
| 100 MHz | 256-QAM | 2593.0 | 0.30 | 1 / 136 | 21.45 | 21.75 | 0.150 | 33.01 | -11.26 |

Table 7-43. Antenna 2 EIRP Data (NR Band n41)

| | | | |
|--|---|----------------------------|---------------------------------|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
| Test Report S/N: 1C2106080049-04-R1.BCG | Test Dates: 6/2/2021 - 8/26/2021 | EUT Type: Tablet Device | Page 198 of 250 |

ULCA - Band 7

| Power State | Band | Bandwidth (PCC + SCC) | PCC | | | | | SCC | | | | | ULCA Tx. Power [dBm] | Ant. Gain [dBi] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-------------|--------|-----------------------|------------|------------|--------------|---------|--------------|------------|------------|--------------|---------|--------------|----------------------|-----------------|------------|--------------|------------------|-------------|
| | | | Modulation | UL Channel | UL Frequency | UL # RB | UL RB Offset | Modulation | UL Channel | UL Frequency | UL # RB | UL RB Offset | | | | | | |
| Max | LTE B7 | 20MHz + 20MHz | QPSK | 20850 | 2510.0 | 1 | 99 | QPSK | 21048 | 2529.8 | 1 | 0 | 23.47 | 0.80 | 24.27 | 0.267 | 33.01 | -8.74 |
| | | | | 21100 | 2535.0 | 1 | 99 | | 21298 | 2554.8 | 1 | 0 | 23.45 | 0.80 | 24.25 | 0.266 | 33.01 | -8.76 |
| | | | | 21350 | 2560.0 | 1 | 0 | | 21152 | 2540.2 | 1 | 99 | 23.5 | 0.80 | 24.30 | 0.269 | 33.01 | -8.71 |
| | | | QPSK | 21350 | 2560 | 100 | 0 | QPSK | 21152 | 2540.2 | 100 | 0 | 21.25 | 0.80 | 22.05 | 0.160 | 33.01 | -10.96 |
| | | | 16-QAM | 21350 | 2560 | 100 | 0 | 16-QAM | 21152 | 2540.2 | 100 | 0 | 20.25 | 0.80 | 21.05 | 0.127 | 33.01 | -11.96 |
| | | | 64-QAM | 21350 | 2560 | 100 | 0 | 64-QAM | 21152 | 2540.2 | 100 | 0 | 19.31 | 0.80 | 20.11 | 0.103 | 33.01 | -12.90 |
| | | | 256-QAM | 21350 | 2560 | 100 | 0 | 256-QAM | 21152 | 2540.2 | 100 | 0 | 18.22 | 0.80 | 19.02 | 0.080 | 33.01 | -13.99 |
| | | | | | | | | | | | | | | | | | | |

Table 7-44. Antenna 2 EIRP Data (ULCA LTE Band 7)

ULCA - Band 41 (PC2)


| Power State | Band | Bandwidth (PCC + SCC) | PCC | | | | SCC | | | | ULCA Tx. Power [dBm] | Ant. Gain [dBi] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] | | | |
|-------------|---------------|-----------------------|------------|------------|--------------|---------|--------------|------------|------------|--------------|----------------------|-----------------|------------|--------------|------------------|-------------|---------|--------------|--------|
| | | | Modulation | UL Channel | UL Frequency | UL # RB | UL RB Offset | Modulation | UL Channel | UL Frequency | | | | | | | UL # RB | UL RB Offset | |
| Max | LTE B41 (PC2) | 20MHz + 20MHz | QPSK | 39750 | 2506.0 | 1 | 99 | QPSK | 39948 | 2525.8 | 1 | 0 | 24.5 | 0.30 | 24.80 | 0.302 | 33.01 | -8.21 | |
| | | | | 40620 | 2593.0 | 1 | 99 | | 40818 | 2612.8 | 1 | 0 | 25.08 | 0.30 | 25.38 | 0.345 | 33.01 | -7.63 | |
| | | | | 41490 | 2680.0 | 1 | 0 | | 41292 | 2660.2 | 1 | 99 | 25.11 | 0.30 | 25.41 | 0.348 | 33.01 | -7.60 | |
| | | | QPSK | 41490 | 2680 | 100 | 0 | QPSK | 41292 | 2660.2 | 100 | 0 | 23.62 | 0.30 | 23.92 | 0.247 | 33.01 | -9.09 | |
| | | | | 16-QAM | 41490 | 2680 | 100 | 0 | 16-QAM | 41292 | 2660.2 | 100 | 0 | 22.62 | 0.30 | 22.92 | 0.196 | 33.01 | -10.09 |
| | | | | 64-QAM | 41490 | 2680 | 100 | 0 | 64-QAM | 41292 | 2660.2 | 100 | 0 | 21.64 | 0.30 | 21.94 | 0.156 | 33.01 | -11.07 |
| | | | | 256-QAM | 41490 | 2680 | 100 | 0 | 256-QAM | 41292 | 2660.2 | 100 | 0 | 20.63 | 0.30 | 20.93 | 0.124 | 33.01 | -12.08 |

Table 7-45. Antenna 2 EIRP Data (ULCA LTE Band 41 (PC2))

ULCA - Band 41 (PC3)

| Power State | Band | Bandwidth (PCC + SCC) | PCC | | | | SCC | | | | ULCA Tx. Power [dBm] | Ant. Gain [dBi] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] | | | | |
|-------------|---------------|-----------------------|------------|------------|--------------|---------|--------------|------------|------------|--------------|----------------------|-----------------|------------|--------------|------------------|-------------|---------|--------------|-------|--------|
| | | | Modulation | UL Channel | UL Frequency | UL # RB | UL RB Offset | Modulation | UL Channel | UL Frequency | | | | | | | UL # RB | UL RB Offset | | |
| Max | LTE B41 (PC3) | 20MHz + 20MHz | QPSK | 39750 | 2506.0 | 1 | 99 | QPSK | 39948 | 2525.8 | 1 | 0 | 24.3 | 0.30 | 24.60 | 0.288 | 33.01 | -8.41 | | |
| | | | | 40620 | 2593.0 | 1 | 99 | | 40818 | 2612.8 | 1 | 0 | 25.09 | 0.30 | 25.39 | 0.346 | 33.01 | -7.62 | | |
| | | | | 41490 | 2680.0 | 1 | 0 | | 41292 | 2660.2 | 1 | 99 | 25.15 | 0.30 | 25.45 | 0.351 | 33.01 | -7.56 | | |
| | | | QPSK | 41490 | 2680 | 100 | 0 | QPSK | 41292 | 2660.2 | 100 | 0 | 23.63 | 0.30 | 23.93 | 0.247 | 33.01 | -9.08 | | |
| | | | | 16-QAM | 41490 | 2680 | 100 | | 0 | 16-QAM | 41292 | 2660.2 | 100 | 0 | 22.66 | 0.30 | 22.96 | 0.198 | 33.01 | -10.05 |
| | | | | 64-QAM | 41490 | 2680 | 100 | | 0 | 64-QAM | 41292 | 2660.2 | 100 | 0 | 21.67 | 0.30 | 21.97 | 0.157 | 33.01 | -11.04 |
| | | | 256-QAM | 41490 | 2680 | 100 | 0 | 256-QAM | 41292 | 2660.2 | 100 | 0 | 20.66 | 0.30 | 20.96 | 0.125 | 33.01 | -12.05 | | |
| | | | | | | | | | | | | | | | | | | | | |

Table 7-46. Antenna 2 EIRP Data (ULCA LTE Band 41 (PC3))

| | | | |
|--|---|----------------------------|---------------------------------|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
| Test Report S/N: 1C2106080049-04-R1.BCG | Test Dates: 6/2/2021 - 8/26/2021 | EUT Type: Tablet Device | Page 199 of 250 |

7.7 Radiated Spurious Emissions

§2.1053, 27.53(a), 27.53(m)

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 broadband hybrid antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed 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 $\geq 3 \times$ RBW
3. Span = 1.5 times the OBW
4. No. of sweep points $\geq 2 \times$ span / RBW
5. Detector = RMS
6. Trace mode = Average (Max Hold for pulsed emissions)
7. The trace was allowed to stabilize

| | | | |
|--|---|----------------------------|---------------------------------|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
| Test Report S/N: 1C2106080049-04-R1.BCG | Test Dates: 6/2/2021 - 8/26/2021 | EUT Type: Tablet Device | Page 200 of 250 |

Test Setup

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

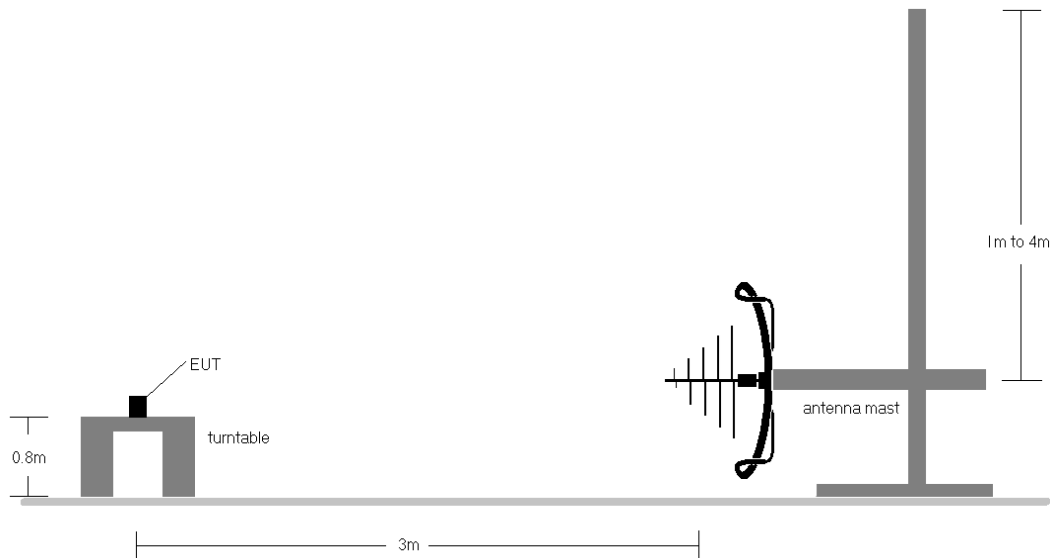


Figure 7-6. Test Instrument & Measurement Setup < 1GHz

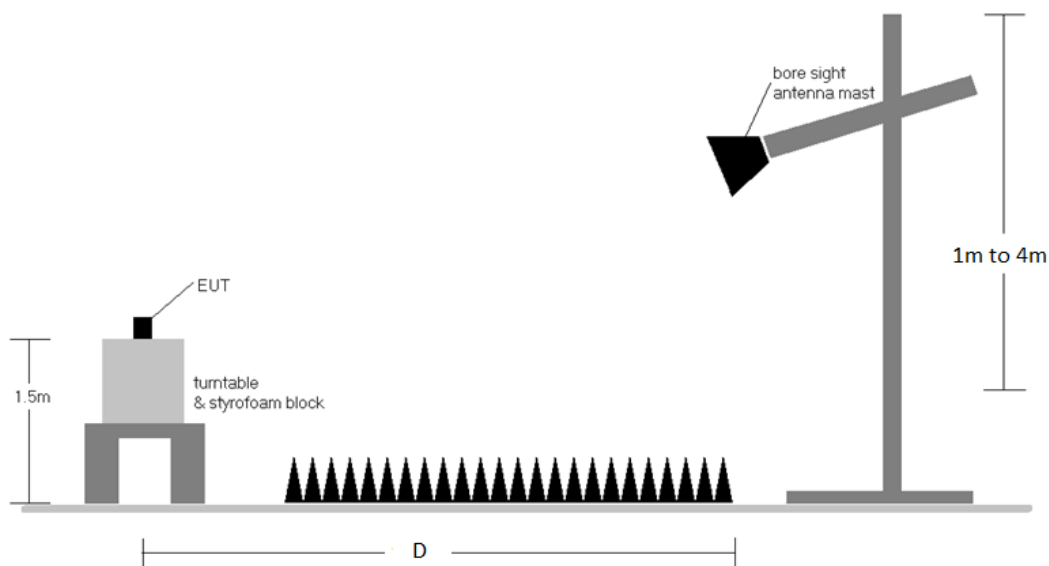




Figure 7-7. Test Instrument & Measurement Setup >1 GHz

| | | | |
|---|---|-----------------------------------|--|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
| Test Report S/N: 1C2106080049-04-R1.BCG | Test Dates: 6/2/2021 - 8/26/2021 | EUT Type: Tablet Device | Page 201 of 250 |

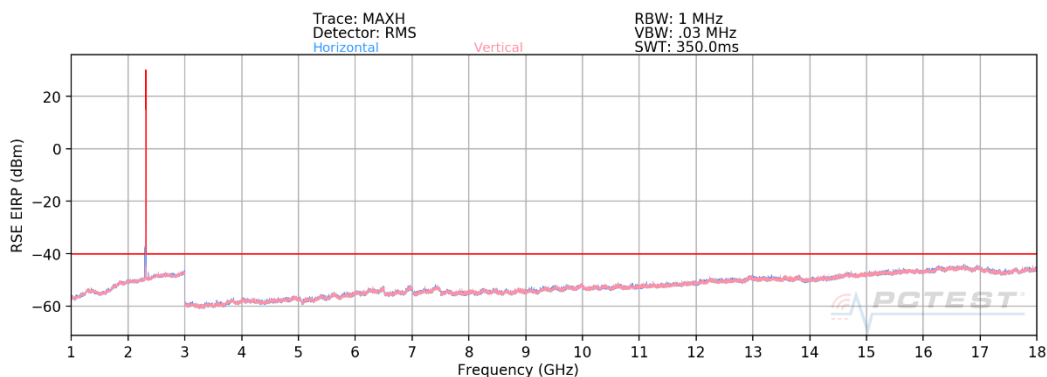
Test Notes

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. 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.
3. This unit was tested with its standard battery.
4. The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
5. Emissions below 18GHz were measured at a 3 meter test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
6. The "-" shown in the following RSE tables are used to denote a noise floor measurement.
7. Uplink carrier aggregation intra-band radiated spurious emissions measurements were evaluated for the two contiguous channels using various combinations of RB size, RB offset, modulation, and channel bandwidth. The worst case (highest) emissions were found while operating with QPSK modulation with both carriers set to transmit using 1RB.
8. Uplink carrier aggregation for LTE Band 7 is only supported in this EUT while operating in Power Class 3.
9. Uplink carrier aggregation for LTE Band 41 is supported in this EUT while operating in Power Class 2 and Power Class 3.
10. Uplink carrier aggregation inter-band emission was investigated and found to not be the worst case.
11. 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.
12. 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.
13. For LTE Band 30 pre-scans above 1GHz, the RBW is set to 1MHz and VBW to 30kHz. For final measurements above 1GHz, the RBW is set to 1MHz and VBW to 3MHz when measuring with an RMS detector and trace averaging.

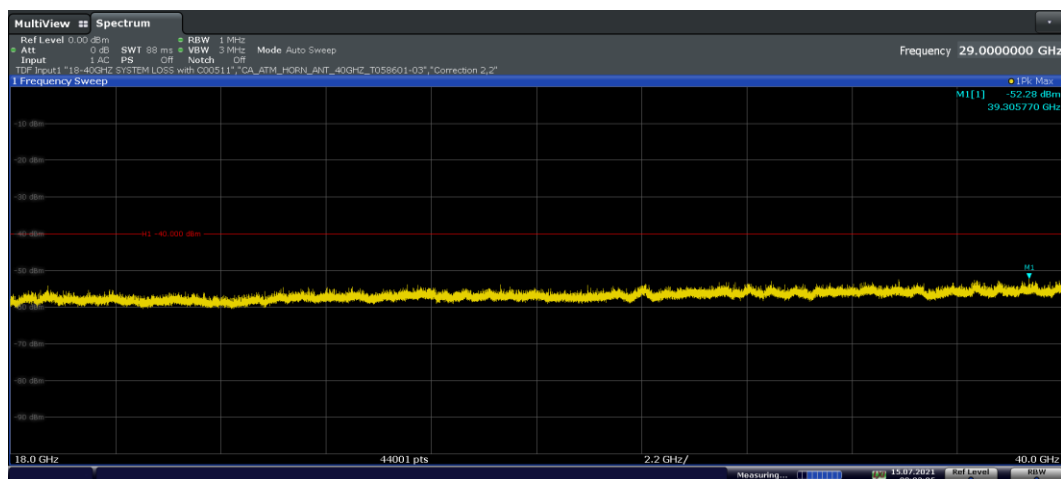
| | | | |
|---|---|-----------------------------------|--|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
| Test Report S/N: 1C2106080049-04-R1.BCG | Test Dates: 6/2/2021 - 8/26/2021 | EUT Type: Tablet Device | Page 202 of 250 |

7.7.1 Antenna 4 Radiated Spurious Emission Measurements

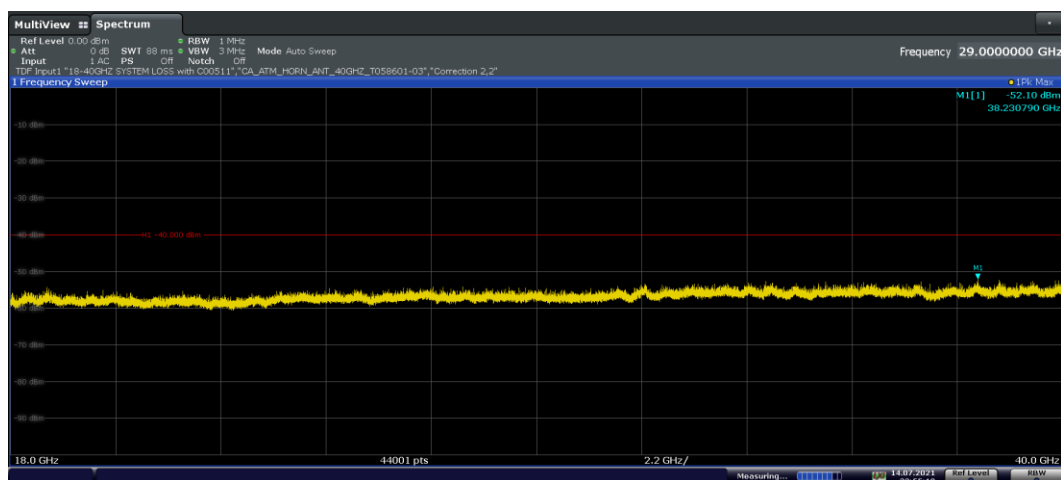
LTE Band 30



Plot 7-270. Antenna 4 Radiated Spurious Plot 1GHz – 18GHz (LTE Band 30)



Plot 7-271. Antenna 4 Radiated Spurious Emission above 18GHz (LTE Band 30, Pol. H)



Plot 7-272. Antenna 4 Radiated Spurious Emission above 18GHz (LTE Band 30, Pol. V)

| | | | |
|--|-------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2568 | PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
| Test Report S/N: 1C2106080049-04-R1.BCG | Test Dates: 6/2/2021 - 8/26/2021 | EUT Type: Tablet Device | Page 203 of 250 |

| Bandwidth (MHz): | 5 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2307.5 | | | | | | | | |
| RB / Offset: | 1 / 12 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 4615.0 | H | - | - | -77.80 | 4.85 | 34.05 | -61.21 | -40.00 | -21.21 |
| 6922.5 | H | - | - | -79.46 | 8.80 | 36.34 | -58.91 | -40.00 | -18.91 |
| 9230.0 | H | - | - | -81.91 | 11.59 | 36.68 | -58.58 | -40.00 | -18.58 |


Table 7-47. Radiated Spurious Data (LTE Band 30 – Low Channel)

| Bandwidth (MHz): | 10 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2310.0 | | | | | | | | |
| RB / Offset: | 1 / 25 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 4620.0 | H | - | - | -81.26 | 7.87 | 33.61 | -61.65 | -40.00 | -21.65 |
| 6930.0 | H | - | - | -81.38 | 12.01 | 37.63 | -57.63 | -40.00 | -17.63 |
| 9240.0 | H | - | - | -83.26 | 13.14 | 36.88 | -58.38 | -40.00 | -18.38 |

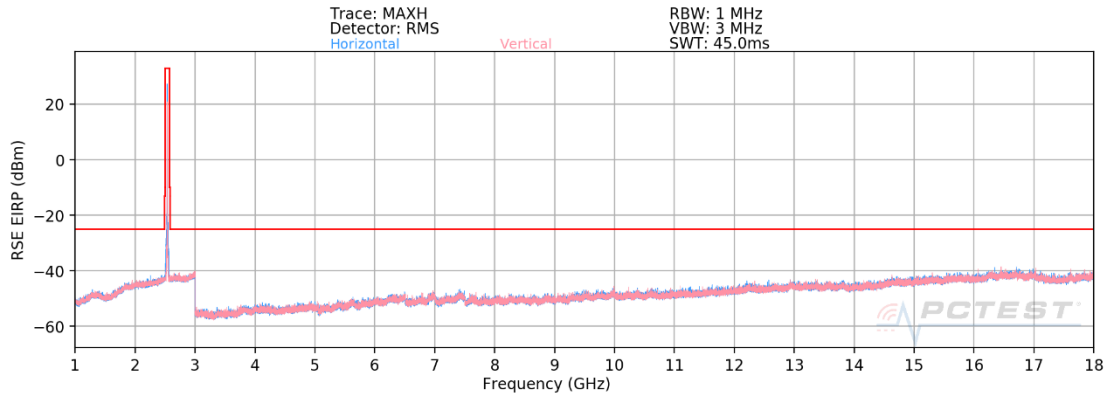
Table 7-48. Radiated Spurious Data (LTE Band 30 – Mid Channel)

| Bandwidth (MHz): | 5 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2312.5 | | | | | | | | |
| RB / Offset: | 1 / 12 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 4625.00 | H | - | - | -78.03 | 4.71 | 33.68 | -61.57 | -40.00 | -21.57 |
| 6937.50 | H | - | - | -79.45 | 8.65 | 36.20 | -59.06 | -40.00 | -19.06 |
| 9250.00 | H | - | - | -82.07 | 11.21 | 36.14 | -59.12 | -40.00 | -19.12 |

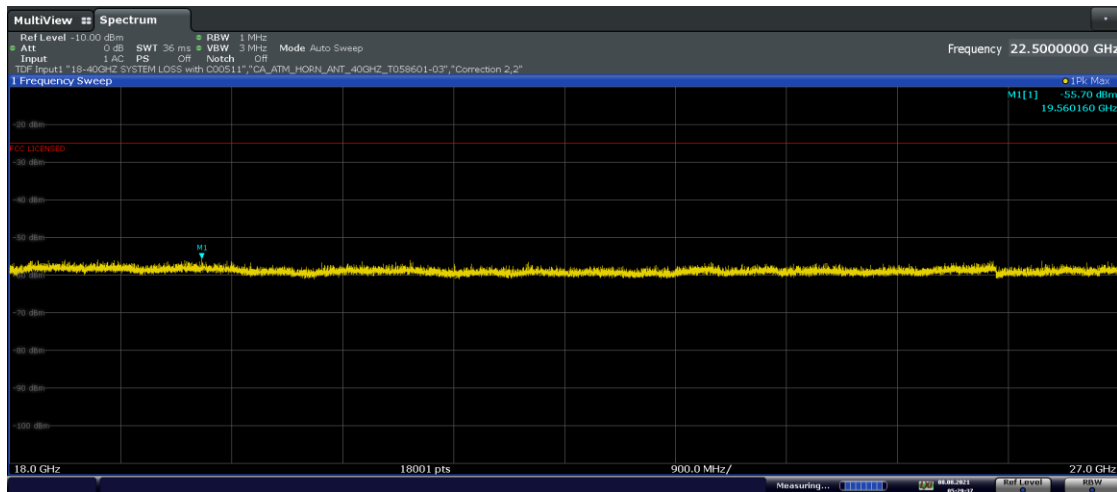
Table 7-49. Radiated Spurious Data (LTE Band 30 – High Channel)

| | | | |
|---|---|-----------------------------------|--|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
| Test Report S/N: 1C2106080049-04-R1.BCG | Test Dates: 6/2/2021 - 8/26/2021 | EUT Type: Tablet Device | Page 204 of 250 |

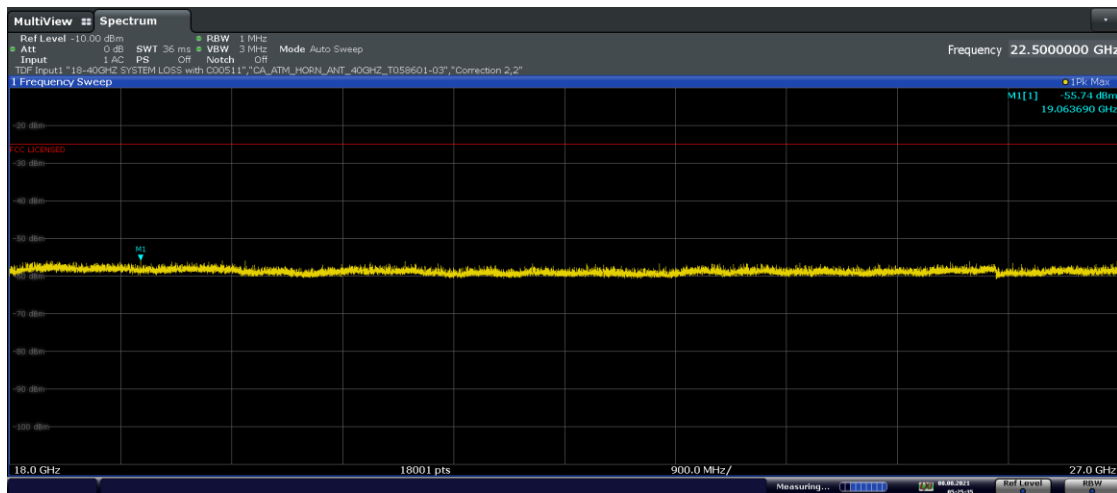
LTE Band 7



Plot 7-273. Antenna 4 Radiated Spurious Plot 1GHz – 18GHz (LTE Band 7)



Plot 7-274. Antenna 4 Radiated Spurious Emission above 18GHz (LTE Band 7, Pol. H)



Plot 7-275. Antenna 4 Radiated Spurious Emission above 18GHz (LTE Band 7, Pol. V)

| | | | | |
|--|--|----------------------------|--|---------------------------------|
| FCC ID: BCGA2568 | PCTEST Proud to be part of element | PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
| Test Report S/N: 1C2106080049-04-R1.BCG | Test Dates: 6/2/2021 - 8/26/2021 | EUT Type: Tablet Device | | Page 205 of 250 |

| Bandwidth (MHz): | 20 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2510.0 | | | | | | | | |
| RB / Offset: | 1 / 50 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5020.0 | H | - | - | -80.58 | 8.23 | 34.65 | -60.60 | -25.00 | -35.60 |
| 7530.0 | H | - | - | -81.49 | 11.21 | 36.72 | -58.54 | -25.00 | -33.54 |
| 10040.0 | H | - | - | -82.45 | 14.94 | 39.49 | -55.77 | -25.00 | -30.77 |


Table 7-50. Radiated Spurious Data (LTE Band 7 – Low Channel)

| Bandwidth (MHz): | 20 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2535.0 | | | | | | | | |
| RB / Offset: | 1 / 50 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5070.0 | H | - | - | -80.87 | 7.88 | 34.01 | -61.25 | -25.00 | -36.25 |
| 7605.0 | H | - | - | -82.27 | 12.79 | 37.52 | -57.74 | -25.00 | -32.74 |
| 10140.0 | H | - | - | -82.58 | 14.84 | 39.26 | -56.00 | -25.00 | -31.00 |

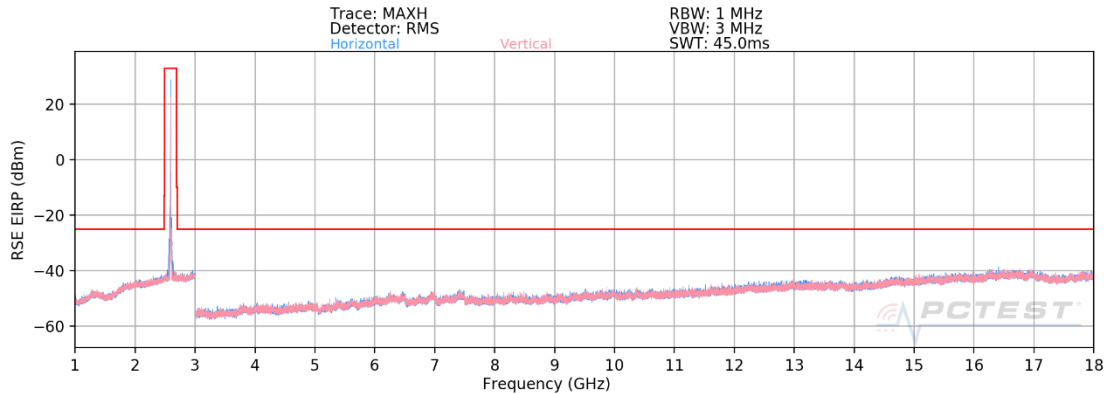
Table 7-51. Radiated Spurious Data (LTE Band 7 – Mid Channel)

| Bandwidth (MHz): | 20 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2560.0 | | | | | | | | |
| RB / Offset: | 1 / 50 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5120.00 | H | - | - | -81.21 | 9.07 | 34.86 | -60.40 | -25.00 | -35.40 |
| 7680.00 | H | - | - | -82.19 | 12.28 | 37.09 | -58.16 | -25.00 | -33.16 |
| 10240.00 | H | - | - | -82.76 | 15.63 | 39.87 | -55.39 | -25.00 | -30.39 |

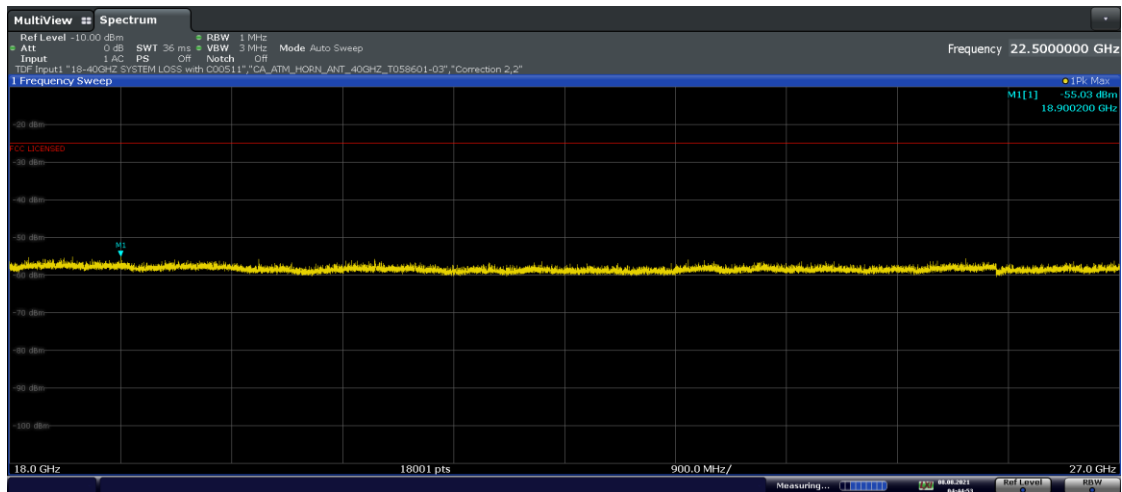
Table 7-52. Radiated Spurious Data (LTE Band 7 – High Channel)

| | | | |
|--|---|----------------------------|---------------------------------|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
| Test Report S/N: 1C2106080049-04-R1.BCG | Test Dates: 6/2/2021 - 8/26/2021 | EUT Type: Tablet Device | Page 206 of 250 |

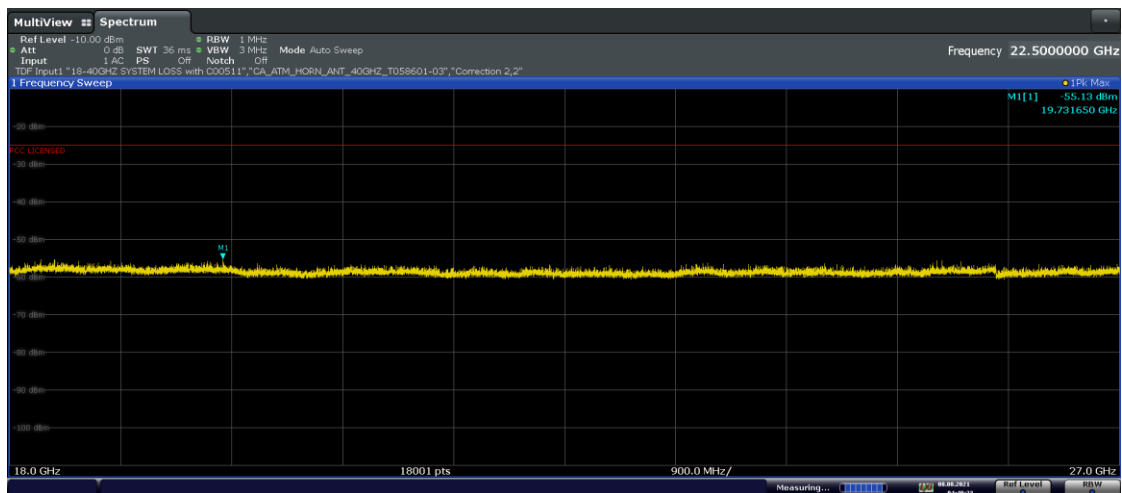
LTE Band 41



Plot 7-276. Antenna 4 Radiated Spurious Plot 1GHz – 18GHz (LTE Band 41)



Plot 7-277. Antenna 4 Radiated Spurious Emission above 18GHz (LTE Band 41, Pol. H)



Plot 7-278. Antenna 4 Radiated Spurious Emission above 18GHz (LTE Band 41, Pol. V)

| | | | |
|--|-------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2568 | PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
| Test Report S/N: 1C2106080049-04-R1.BCG | Test Dates: 6/2/2021 - 8/26/2021 | EUT Type: Tablet Device | Page 207 of 250 |

| Bandwidth (MHz): | 20 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2506.0 | | | | | | | | |
| RB / Offset: | 1 / 50 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5012.0 | H | - | - | -71.15 | 8.28 | 44.13 | -51.13 | -25.00 | -26.13 |
| 7518.0 | H | - | - | -71.83 | 11.35 | 46.52 | -48.74 | -25.00 | -23.74 |
| 10024.0 | H | - | - | -73.40 | 15.72 | 49.32 | -45.93 | -25.00 | -20.93 |
| 12530.0 | H | - | - | -73.30 | 17.69 | 51.39 | -43.87 | -25.00 | -18.87 |


Table 7-53. Radiated Spurious Data (LTE Band 41 – Low Channel)

| Bandwidth (MHz): | 20 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2593.0 | | | | | | | | |
| RB / Offset: | 1 / 50 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5186.0 | H | - | - | -71.80 | 9.36 | 44.56 | -50.70 | -25.00 | -25.70 |
| 7779.0 | H | - | - | -72.20 | 12.05 | 46.85 | -48.41 | -25.00 | -23.41 |
| 10372.0 | H | - | - | -73.14 | 15.90 | 49.76 | -45.49 | -25.00 | -20.49 |
| 12965.0 | H | - | - | -74.21 | 19.28 | 52.07 | -43.19 | -25.00 | -18.19 |

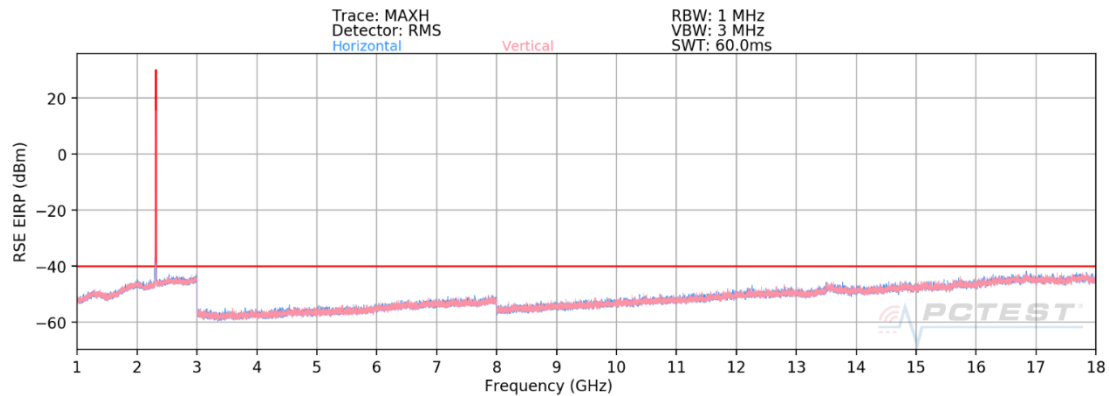
Table 7-54. Radiated Spurious Data (LTE Band 41 – Mid Channel)

| Bandwidth (MHz): | 20 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2680.0 | | | | | | | | |
| RB / Offset: | 1 / 50 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5360.0 | H | - | - | -71.22 | 9.66 | 45.44 | -49.82 | -25.00 | -24.82 |
| 8040.0 | H | - | - | -73.48 | 13.07 | 46.59 | -48.67 | -25.00 | -23.67 |
| 10720.0 | H | - | - | -73.66 | 15.50 | 48.84 | -46.41 | -25.00 | -21.41 |
| 13400.0 | H | - | - | -73.38 | 18.35 | 51.97 | -43.29 | -25.00 | -18.29 |

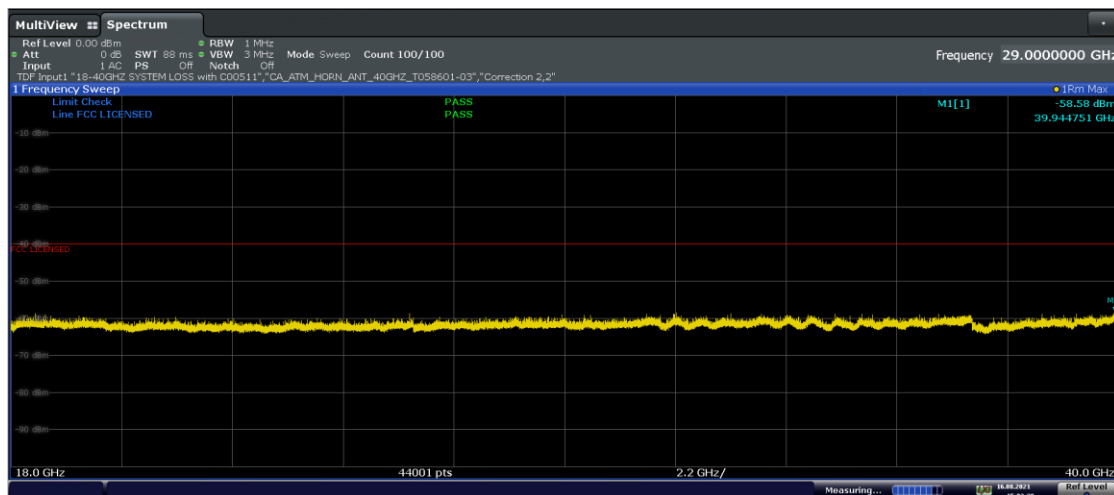
Table 7-55. Radiated Spurious Data (LTE Band 41 – High Channel)

| | | | |
|--|---|----------------------------|---------------------------------|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
| Test Report S/N: 1C2106080049-04-R1.BCG | Test Dates: 6/2/2021 - 8/26/2021 | EUT Type: Tablet Device | Page 208 of 250 |

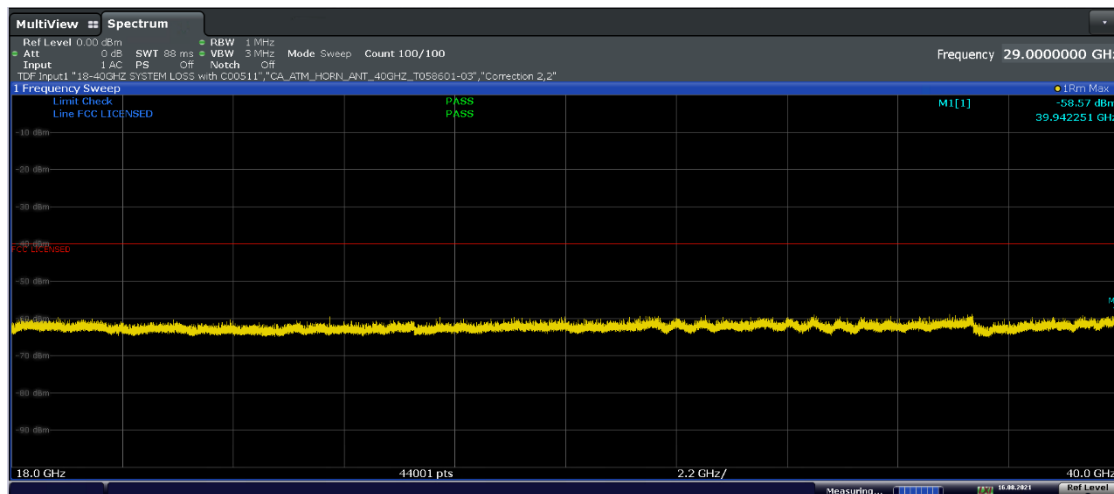
NR Band n30



Plot 7-279. Antenna 4 Radiated Spurious Plot 1GHz – 18GHz (NR Band n30)



Plot 7-280. Antenna 4 Radiated Spurious Emission above 18GHz (NR Band n30, Pol. H)



Plot 7-281. Antenna 4 Radiated Spurious Emission above 18GHz (NR Band n30, Pol. V)

| | | | |
|--|-------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2568 | PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
| Test Report S/N: 1C2106080049-04-R1.BCG | Test Dates: 6/2/2021 - 8/26/2021 | EUT Type: Tablet Device | Page 209 of 250 |

| | |
|------------------|--------|
| Bandwidth (MHz): | 5 |
| Frequency (MHz): | 2307.5 |
| RB / Offset: | 1/25 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 4615.0 | H | - | - | -81.37 | 7.70 | 33.33 | -61.93 | -40.00 | -21.93 |
| 6922.5 | H | - | - | -83.76 | 11.82 | 35.06 | -60.19 | -40.00 | -20.19 |
| 9230.0 | H | - | - | -83.00 | 13.49 | 37.49 | -57.77 | -40.00 | -17.77 |

Table 7-56. Radiated Spurious Data (NR Band n30 – Low Channel)

| | |
|------------------|--------|
| Bandwidth (MHz): | 10 |
| Frequency (MHz): | 2310.0 |
| RB / Offset: | 1/25 |


| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 4620.0 | H | - | - | -80.29 | 7.06 | 33.77 | -61.49 | -40.00 | -21.49 |
| 6930.0 | H | - | - | -81.23 | 9.64 | 35.41 | -59.85 | -40.00 | -19.85 |
| 9240.0 | H | - | - | -82.22 | 12.23 | 37.01 | -58.24 | -40.00 | -18.24 |

Table 7-57. Radiated Spurious Data (NR Band n30 – Mid Channel)

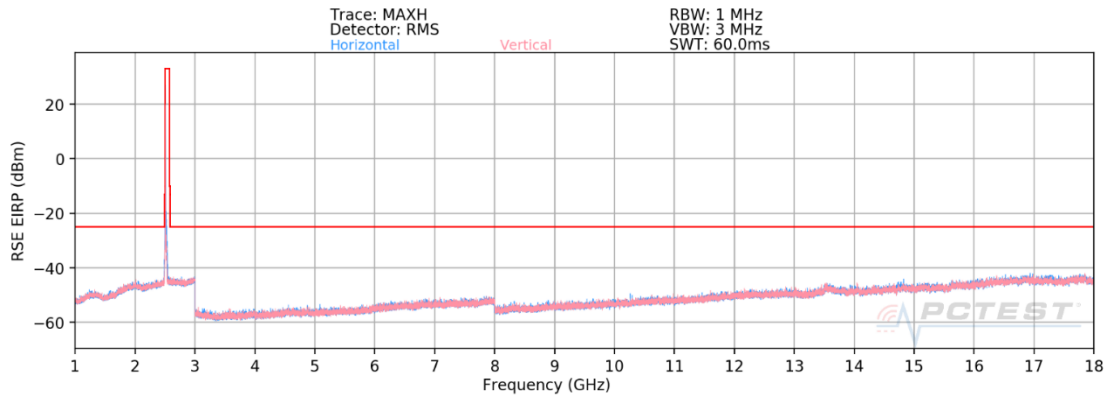
| | |
|------------------|--------|
| Bandwidth (MHz): | 5 |
| Frequency (MHz): | 2312.5 |
| RB / Offset: | 1/25 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 4625.0 | H | - | - | -81.64 | 7.79 | 33.15 | -62.11 | -40.00 | -22.11 |
| 6937.5 | H | - | - | -83.66 | 11.89 | 35.23 | -60.03 | -40.00 | -20.03 |
| 9250.0 | H | - | - | -83.08 | 13.39 | 37.31 | -57.95 | -40.00 | -17.95 |

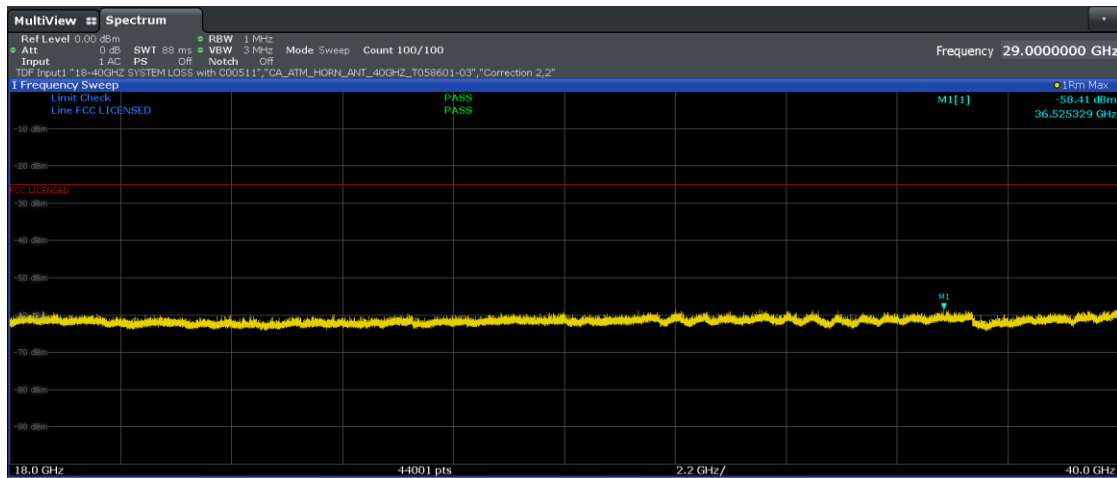
Table 7-58. Radiated Spurious Data (NR Band n30 – High Channel)

| | | | |
|--|---|----------------------------|---------------------------------|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
| Test Report S/N: 1C2106080049-04-R1.BCG | Test Dates: 6/2/2021 - 8/26/2021 | EUT Type: Tablet Device | Page 210 of 250 |

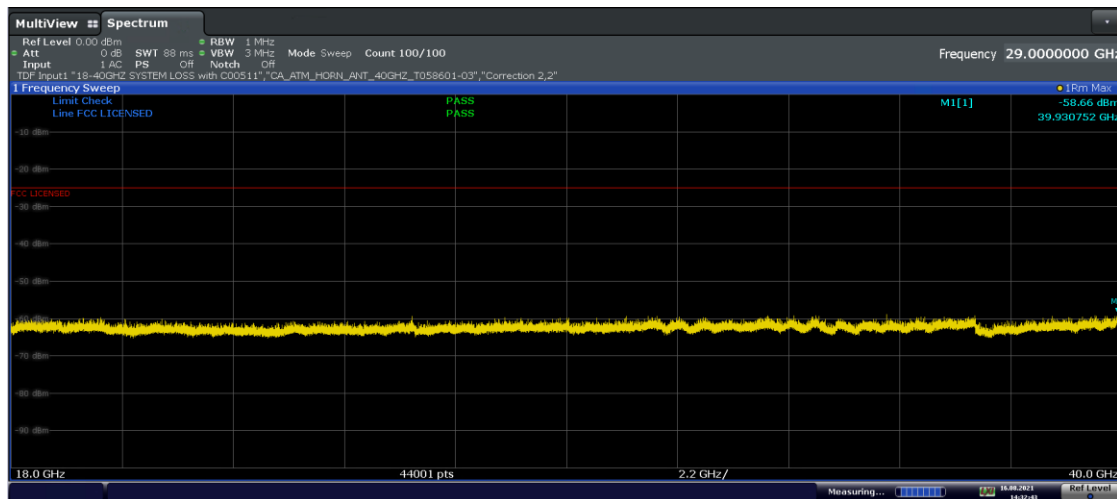
NR Band n7



Plot 7-282. Antenna 4 Radiated Spurious Plot 1GHz – 18GHz (NR Band n7)



Plot 7-283. Antenna 4 Radiated Spurious Emission above 18GHz (NR Band n7, Pol. H)



Plot 7-284. Antenna 4 Radiated Spurious Emission above 18GHz (NR Band n7, Pol. V)

| | | | |
|--|-------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2568 | PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
| Test Report S/N: 1C2106080049-04-R1.BCG | Test Dates: 6/2/2021 - 8/26/2021 | EUT Type: Tablet Device | Page 211 of 250 |

| Bandwidth (MHz): | 40 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2520.0 | | | | | | | | |
| RB / Offset: | 1/50 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5040.0 | H | - | - | -80.98 | 7.68 | 33.70 | -61.56 | -25.00 | -36.56 |
| 7560.0 | H | 339 | 38 | -80.05 | 10.81 | 37.76 | -57.50 | -25.00 | -32.50 |
| 10080.0 | H | - | - | -84.40 | 13.87 | 36.47 | -58.79 | -25.00 | -33.79 |


Table 7-59. Radiated Spurious Data (NR Band n7 – Low Channel)

| Bandwidth (MHz): | 40 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2535.0 | | | | | | | | |
| RB / Offset: | 1/50 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5070.0 | H | - | - | -74.27 | 7.43 | 40.16 | -55.10 | -25.00 | -30.10 |
| 7605.0 | H | - | - | -71.27 | 10.53 | 46.26 | -49.00 | -25.00 | -24.00 |
| 10140.0 | H | - | - | -73.53 | 14.39 | 47.86 | -47.40 | -25.00 | -22.40 |

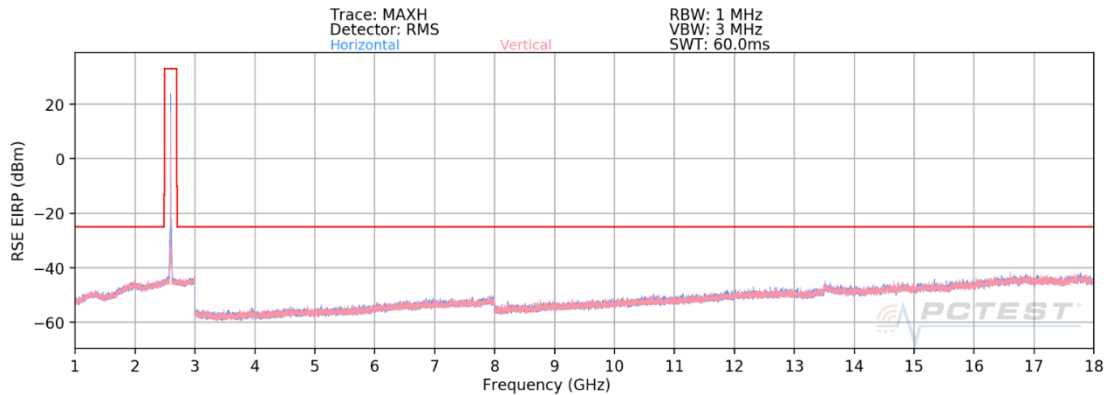
Table 7-60. Radiated Spurious Data (NR Band n7 – Mid Channel)

| Bandwidth (MHz): | 40 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2550.0 | | | | | | | | |
| RB / Offset: | 1/50 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5100.0 | H | - | - | -81.25 | 7.66 | 33.41 | -61.85 | -25.00 | -36.85 |
| 7650.0 | H | - | - | -81.54 | 9.84 | 35.30 | -59.96 | -25.00 | -34.96 |
| 10200.0 | H | - | - | -84.05 | 13.64 | 36.59 | -58.67 | -25.00 | -33.67 |

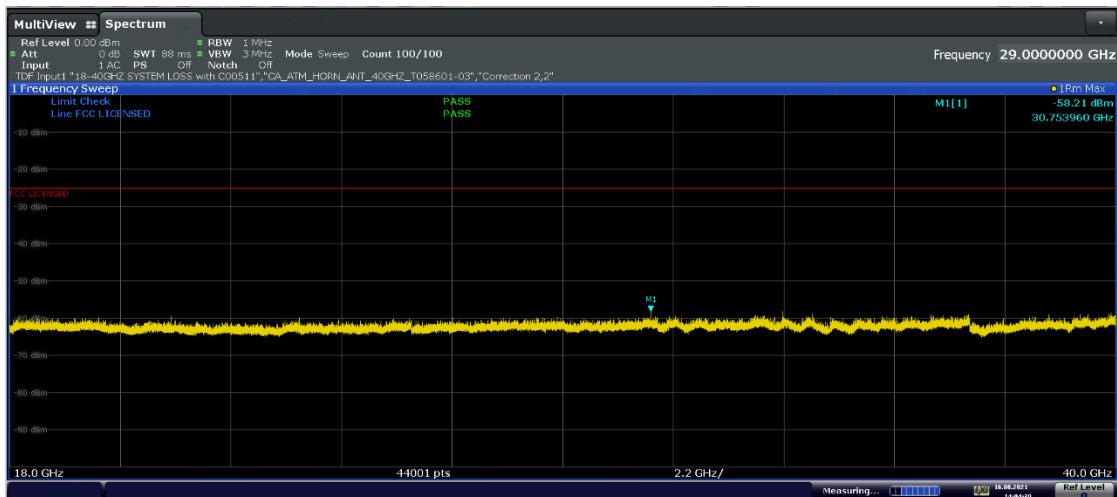
Table 7-61. Radiated Spurious Data (NR Band n7 – High Channel)

| | | | |
|---|---|-----------------------------------|--|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
| Test Report S/N: 1C2106080049-04-R1.BCG | Test Dates: 6/2/2021 - 8/26/2021 | EUT Type: Tablet Device | Page 212 of 250 |

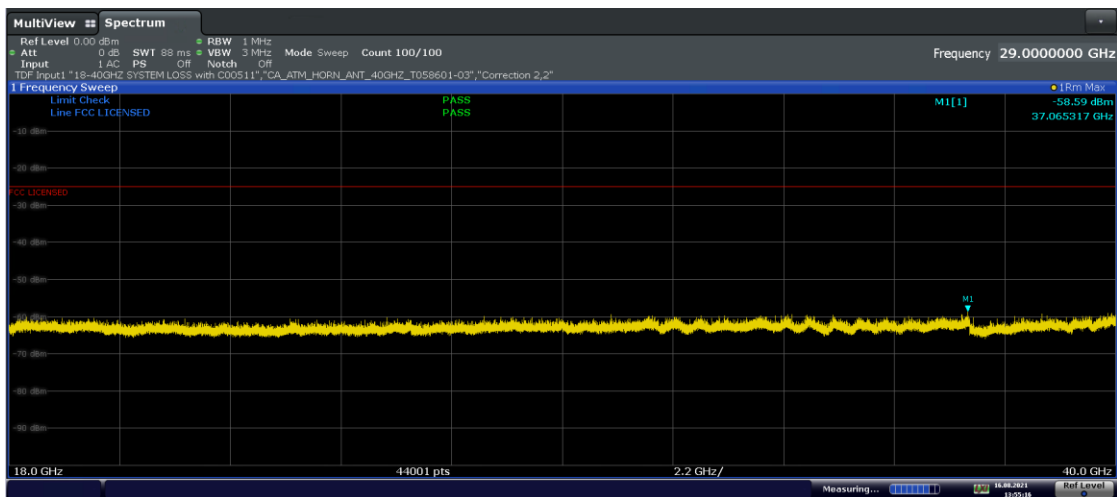
NR Band n41



Plot 7-285. Antenna 4 Radiated Spurious Plot 1GHz – 18GHz (NR Band n41)



Plot 7-286. Antenna 4 Radiated Spurious Emission above 18GHz (NR Band n41, Pol. H)



Plot 7-287. Antenna 4 Radiated Spurious Emission above 18GHz (NR Band n41, Pol. V)

| | | | | |
|--|--|----------------------------|--|---------------------------------|
| FCC ID: BCGA2568 | PCTEST Proud to be part of element | PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
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| Bandwidth (MHz): | 100 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2546.0 | | | | | | | | |
| RB / Offset: | 1/136 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5092.0 | H | - | - | -80.70 | 7.89 | 34.19 | -61.06 | -25.00 | -36.06 |
| 7638.0 | H | - | - | -81.78 | 10.96 | 36.18 | -59.08 | -25.00 | -34.08 |
| 10184.0 | H | - | - | -83.48 | 14.01 | 37.53 | -57.73 | -25.00 | -32.73 |


Table 7-62. Radiated Spurious Data (NR Band n41 – Low Channel)

| Bandwidth (MHz): | 100 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2593.0 | | | | | | | | |
| RB / Offset: | 1/136 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5186.0 | H | - | - | -80.88 | 7.68 | 33.80 | -61.46 | -25.00 | -36.46 |
| 7779.0 | H | - | - | -81.20 | 10.41 | 36.21 | -59.05 | -25.00 | -34.05 |
| 10372.0 | H | - | - | -83.78 | 14.61 | 37.83 | -57.43 | -25.00 | -32.43 |

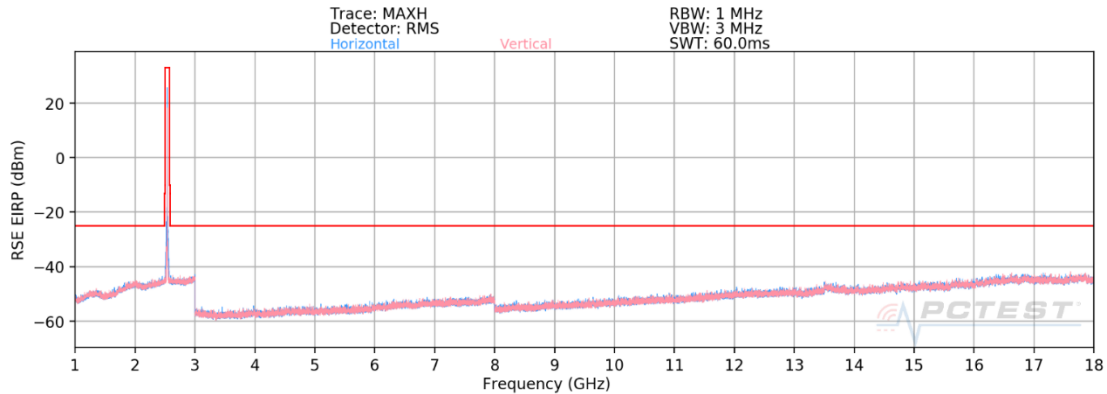
Table 7-63. Radiated Spurious Data (NR Band n41 – Mid Channel)

| Bandwidth (MHz): | 100 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2640.0 | | | | | | | | |
| RB / Offset: | 1/136 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5280.0 | H | - | - | -80.59 | 7.38 | 33.79 | -61.47 | -25.00 | -36.47 |
| 7920.0 | H | - | - | -81.54 | 11.23 | 36.69 | -58.57 | -25.00 | -33.57 |
| 10560.0 | H | - | - | -83.78 | 14.53 | 37.75 | -57.50 | -25.00 | -32.50 |

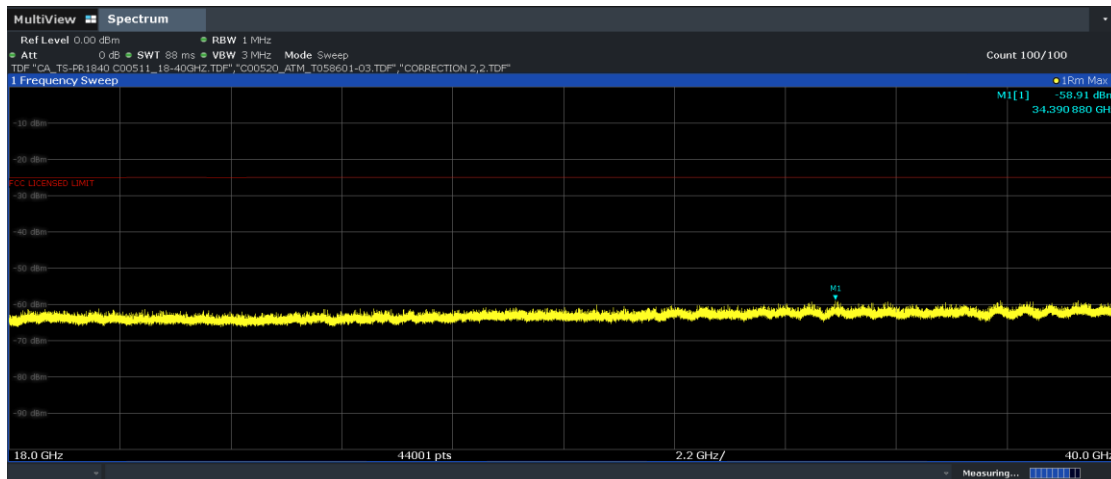
Table 7-64. Radiated Spurious Data (NR Band n41 – High Channel)

| | | | |
|--|---|----------------------------|---------------------------------|
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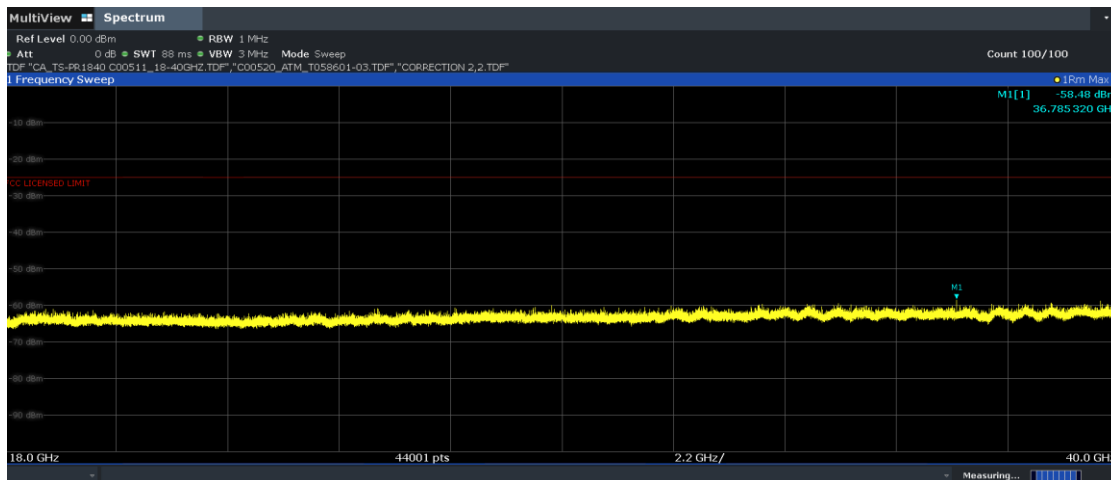
ULCA - LTE B7



Plot 7-288. Antenna 4 Radiated Spurious Plot 1GHz – 18GHz (ULCA LTE B7)



Plot 7-289. Antenna 4 Radiated Spurious Emission above 18GHz (ULCA LTE B7, Pol. H)



Plot 7-290. Antenna 4 Radiated Spurious Emission above 18GHz (ULCA LTE B7, Pol. V)

| | | | | |
|--|--|----------------------------|-----------------|---------------------------------|
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| Test Report S/N: 1C2106080049-04-R1.BCG | Test Dates: 6/2/2021 - 8/26/2021 | EUT Type: Tablet Device | Page 215 of 250 | |

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| | |
|----------------------|--------|
| PCC Bandwidth (MHz): | 20 |
| PCC Frequency (MHz): | 2510.0 |
| PCC RB / Offset: | 1 / 99 |
| SCC Bandwidth (MHz): | 20 |
| SCC Frequency (MHz): | 2529.8 |
| SCC RB / Offset: | 1 / 0 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5020.0 | H | - | - | -80.86 | 7.68 | 33.82 | -61.44 | -25.00 | -36.44 |
| 7530.0 | H | - | - | -81.48 | 10.81 | 36.33 | -58.93 | -25.00 | -33.93 |
| 10040.0 | H | - | - | -84.04 | 13.87 | 36.83 | -58.43 | -25.00 | -33.43 |
| 12550.0 | H | - | - | -85.16 | 18.32 | 40.16 | -55.10 | -25.00 | -30.10 |

Table 7-65. Radiated Spurious Data (ULCA LTE B7 – Low Channel)

| | |
|----------------------|--------|
| PCC Bandwidth (MHz): | 20 |
| PCC Frequency (MHz): | 2535.0 |
| PCC RB / Offset: | 1 / 99 |
| SCC Bandwidth (MHz): | 20 |
| SCC Frequency (MHz): | 2554.8 |
| SCC RB / Offset: | 1 / 0 |


| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5070.0 | H | - | - | -80.96 | 7.43 | 33.47 | -61.79 | -25.00 | -36.79 |
| 7605.0 | H | - | - | -81.70 | 10.53 | 35.83 | -59.43 | -25.00 | -34.43 |
| 10140.0 | H | - | - | -83.75 | 14.39 | 37.64 | -57.62 | -25.00 | -32.62 |
| 12675.0 | H | - | - | -85.36 | 18.59 | 40.23 | -55.03 | -25.00 | -30.03 |

Table 7-66. Radiated Spurious Data (ULCA LTE B7 – Mid Channel)

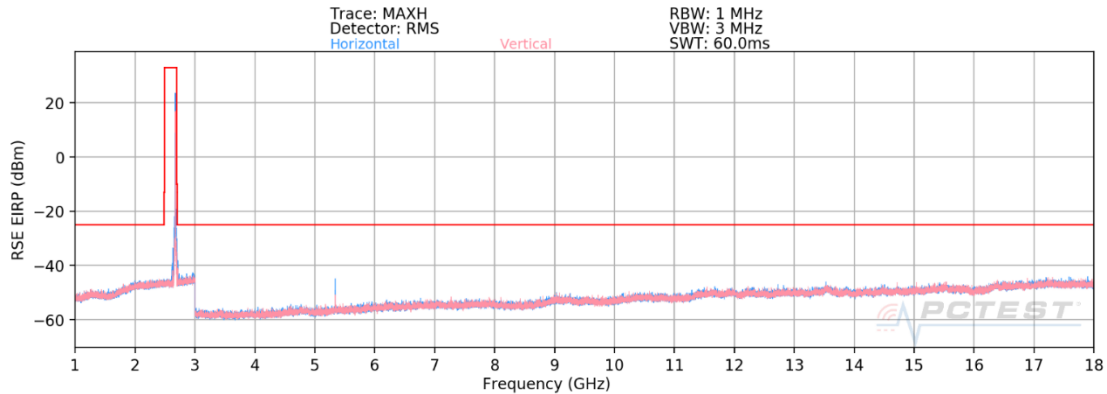
| | |
|----------------------|--------|
| PCC Bandwidth (MHz): | 20 |
| PCC Frequency (MHz): | 2560.0 |
| PCC RB / Offset: | 1 / 0 |
| SCC Bandwidth (MHz): | 20 |
| SCC Frequency (MHz): | 2540.2 |
| SCC RB / Offset: | 1 / 99 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5120.0 | H | - | - | -80.59 | 7.66 | 34.07 | -61.19 | -25.00 | -36.19 |
| 7680.0 | H | - | - | -81.43 | 9.84 | 35.41 | -59.85 | -25.00 | -34.85 |
| 10240.0 | H | - | - | -83.68 | 13.64 | 36.96 | -58.30 | -25.00 | -33.30 |
| 12800.0 | H | - | - | -85.53 | 18.89 | 40.36 | -54.90 | -25.00 | -29.90 |

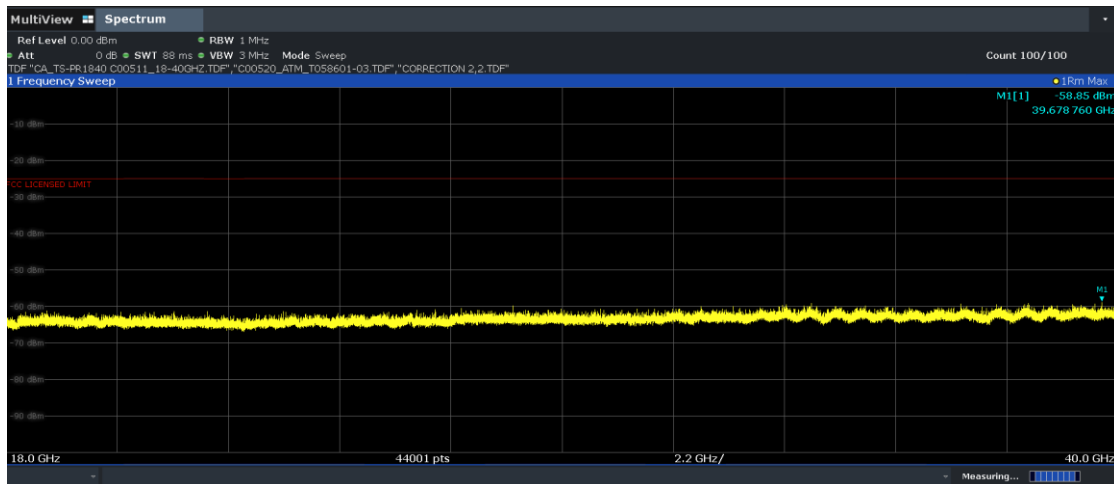
Table 7-67. Radiated Spurious Data (ULCA LTE B7 – High Channel)

| | | | |
|---|---|-----------------------------------|--|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
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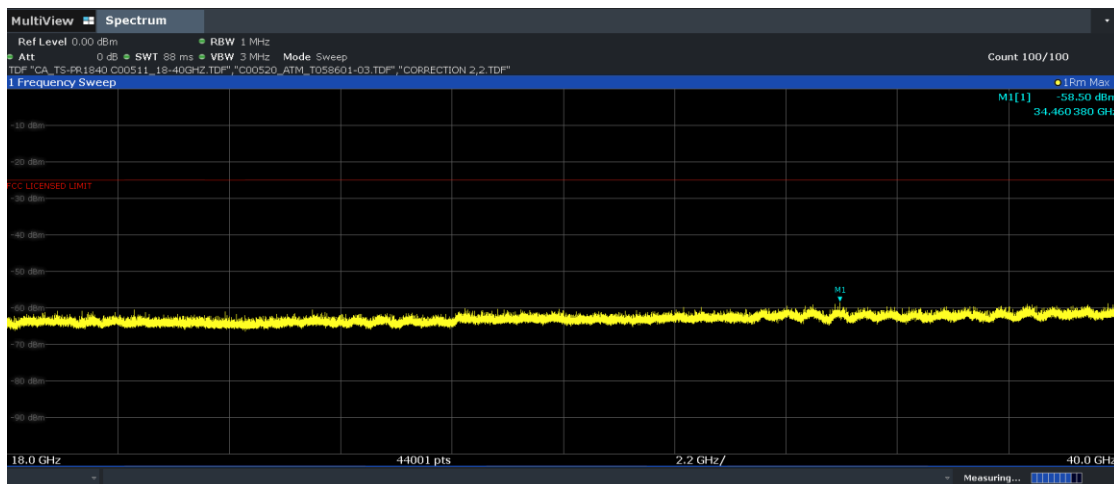
ULCA - LTE B41



Plot 7-291. Antenna 4 Radiated Spurious Plot 1GHz – 18GHz (ULCA LTE B41)



Plot 7-292. Antenna 4 Radiated Spurious Emission above 18GHz (ULCA LTE B41, Pol. H)



Plot 7-293. Antenna 4 Radiated Spurious Emission above 18GHz (ULCA LTE B41, Pol. V)

| | | | |
|--|-------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA2568 | PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
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| | |
|----------------------|--------|
| PCC Bandwidth (MHz): | 20 |
| PCC Frequency (MHz): | 2506.0 |
| PCC RB / Offset: | 1 / 99 |
| SCC Bandwidth (MHz): | 20 |
| SCC Frequency (MHz): | 2525.8 |
| SCC RB / Offset: | 1 / 0 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5012.0 | H | - | - | -70.38 | 5.50 | 42.12 | -53.13 | -25.00 | -28.13 |
| 7518.0 | H | - | - | -71.35 | 8.56 | 44.21 | -51.05 | -25.00 | -26.05 |
| 10024.0 | H | - | - | -72.48 | 11.12 | 45.64 | -49.61 | -25.00 | -24.61 |
| 12530.0 | H | - | - | -73.58 | 14.94 | 48.36 | -46.90 | -25.00 | -21.90 |

Table 7-68. Radiated Spurious Data (ULCA LTE B41 – Low Channel)

| | |
|----------------------|--------|
| PCC Bandwidth (MHz): | 20 |
| PCC Frequency (MHz): | 2593.0 |
| PCC RB / Offset: | 1 / 99 |
| SCC Bandwidth (MHz): | 20 |
| SCC Frequency (MHz): | 2612.8 |
| SCC RB / Offset: | 1 / 0 |


| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5186.0 | H | 138 | 339 | -63.67 | 5.60 | 48.93 | -46.33 | -25.00 | -21.33 |
| 7779.0 | H | - | - | -71.14 | 8.77 | 44.63 | -50.63 | -25.00 | -25.63 |
| 10372.0 | H | - | - | -72.37 | 12.03 | 46.66 | -48.59 | -25.00 | -23.59 |
| 12965.0 | H | - | - | -73.16 | 14.48 | 48.32 | -46.94 | -25.00 | -21.94 |

Table 7-69. Radiated Spurious Data (ULCA LTE B41 – Mid Channel)

| | |
|----------------------|--------|
| PCC Bandwidth (MHz): | 20 |
| PCC Frequency (MHz): | 2680.0 |
| PCC RB / Offset: | 1 / 0 |
| SCC Bandwidth (MHz): | 20 |
| SCC Frequency (MHz): | 2660.2 |
| SCC RB / Offset: | 1 / 99 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5360.0 | H | 114 | 338 | -61.23 | 7.21 | 52.98 | -42.28 | -25.00 | -17.28 |
| 8040.0 | H | - | - | -71.15 | 8.92 | 44.77 | -50.49 | -25.00 | -25.49 |
| 10720.0 | H | - | - | -71.45 | 12.35 | 47.90 | -47.35 | -25.00 | -22.35 |
| 13400.0 | H | - | - | -73.46 | 15.12 | 48.66 | -46.60 | -25.00 | -21.60 |

Table 7-70. Radiated Spurious Data (ULCA LTE B41 – High Channel)

| | | | |
|--|---|----------------------------|---------------------------------|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
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7.7.2 Antenna 1b Radiated Spurious Emission Measurements

LTE Band 30

| Bandwidth (MHz): | 5 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2307.5 | | | | | | | | |
| RB / Offset: | 1 / 12 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 4615.0 | H | - | - | -77.95 | 4.85 | 33.90 | -61.36 | -40.00 | -21.36 |
| 6922.5 | H | - | - | -79.46 | 8.80 | 36.34 | -58.91 | -40.00 | -18.91 |
| 9230.0 | H | - | - | -81.88 | 11.59 | 36.71 | -58.55 | -40.00 | -18.55 |


Table 7-71. Radiated Spurious Data (LTE Band 30 – Low Channel)

| Bandwidth (MHz): | 10 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2310.0 | | | | | | | | |
| RB / Offset: | 1 / 25 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 4620.0 | H | - | - | -78.04 | 4.73 | 33.69 | -61.57 | -40.00 | -21.57 |
| 6930.0 | H | - | - | -79.34 | 8.71 | 36.37 | -58.89 | -40.00 | -18.89 |
| 9240.0 | H | - | - | -81.95 | 11.33 | 36.38 | -58.88 | -40.00 | -18.88 |

Table 7-72. Radiated Spurious Data (LTE Band 30 – Mid Channel)

| Bandwidth (MHz): | 5 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2312.5 | | | | | | | | |
| RB / Offset: | 1 / 12 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 4625.00 | H | - | - | -77.95 | 4.71 | 33.76 | -61.49 | -40.00 | -21.49 |
| 6937.50 | H | - | - | -79.54 | 8.65 | 36.11 | -59.15 | -40.00 | -19.15 |
| 9250.00 | H | - | - | -82.05 | 11.21 | 36.16 | -59.10 | -40.00 | -19.10 |

Table 7-73. Radiated Spurious Data (LTE Band 30 – High Channel)

| | | | |
|--|---|----------------------------|---------------------------------|
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LTE Band 7

| Bandwidth (MHz): | 20 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2510.0 | | | | | | | | |
| RB / Offset: | 1 / 50 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5020.0 | H | - | - | -77.93 | 4.65 | 33.72 | -61.54 | -25.00 | -36.54 |
| 7530.0 | H | - | - | -80.19 | 9.06 | 35.87 | -59.39 | -25.00 | -34.39 |
| 10040.0 | H | - | - | -83.28 | 13.34 | 37.06 | -58.20 | -25.00 | -33.20 |


Table 7-74. Radiated Spurious Data (LTE Band 7 – Low Channel)

| Bandwidth (MHz): | 20 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2535.0 | | | | | | | | |
| RB / Offset: | 1 / 50 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5070.0 | H | - | - | -78.05 | 4.73 | 33.68 | -61.57 | -25.00 | -36.57 |
| 7605.0 | H | - | - | -79.91 | 9.33 | 36.42 | -58.84 | -25.00 | -33.84 |
| 10140.0 | H | - | - | -83.54 | 14.12 | 37.58 | -57.68 | -25.00 | -32.68 |

Table 7-75. Radiated Spurious Data (LTE Band 7 – Mid Channel)

| Bandwidth (MHz): | 20 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2560.0 | | | | | | | | |
| RB / Offset: | 1 / 50 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5120.00 | H | - | - | -78.27 | 4.90 | 33.63 | -61.63 | -25.00 | -36.63 |
| 7680.00 | H | - | - | -79.84 | 8.92 | 36.08 | -59.18 | -25.00 | -34.18 |
| 10240.00 | H | - | - | -83.24 | 14.82 | 38.58 | -56.68 | -25.00 | -31.68 |

Table 7-76. Radiated Spurious Data (LTE Band 7 – High Channel)

| | | | |
|--|---|----------------------------|---------------------------------|
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LTE Band 41

| Bandwidth (MHz): | 20 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2506.0 | | | | | | | | |
| RB / Offset: | 1 / 50 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5012.0 | H | - | - | -70.98 | 8.29 | 44.31 | -50.94 | -25.00 | -25.94 |
| 7518.0 | H | - | - | -71.73 | 11.20 | 46.47 | -48.78 | -25.00 | -23.78 |
| 10024.0 | H | - | - | -73.30 | 15.36 | 49.06 | -46.19 | -25.00 | -21.19 |
| 12530.0 | H | - | - | -73.72 | 17.70 | 50.98 | -44.28 | -25.00 | -19.28 |


Table 7-77. Radiated Spurious Data (LTE Band 41 – Low Channel)

| Bandwidth (MHz): | 20 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2593.0 | | | | | | | | |
| RB / Offset: | 1 / 50 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5186.0 | H | - | - | -71.66 | 9.36 | 44.70 | -50.56 | -25.00 | -25.56 |
| 7779.0 | H | - | - | -72.75 | 12.05 | 46.30 | -48.96 | -25.00 | -23.96 |
| 10372.0 | H | - | - | -73.96 | 15.90 | 48.94 | -46.31 | -25.00 | -21.31 |
| 12965.0 | H | - | - | -73.79 | 19.28 | 52.49 | -42.77 | -25.00 | -17.77 |

Table 7-78. Radiated Spurious Data (LTE Band 41 – Mid Channel)

| Bandwidth (MHz): | 20 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2680.0 | | | | | | | | |
| RB / Offset: | 1 / 50 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5360.0 | H | - | - | -71.73 | 9.66 | 44.93 | -50.33 | -25.00 | -25.33 |
| 8040.0 | H | - | - | -72.83 | 13.07 | 47.24 | -48.02 | -25.00 | -23.02 |
| 10720.0 | H | - | - | -73.67 | 15.50 | 48.83 | -46.42 | -25.00 | -21.42 |
| 13400.0 | H | - | - | -73.72 | 18.35 | 51.63 | -43.63 | -25.00 | -18.63 |

Table 7-79. Radiated Spurious Data (LTE Band 41 – High Channel)

| | | | |
|--|---|----------------------------|---------------------------------|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
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NR Band n30

| Bandwidth (MHz): | 10 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2310.0 | | | | | | | | |
| RB / Offset: | 1/25 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 4620.0 | H | - | - | -80.19 | 7.06 | 33.87 | -61.39 | -40.00 | -21.39 |
| 6930.0 | H | - | - | -81.40 | 9.64 | 35.24 | -60.02 | -40.00 | -20.02 |
| 9240.0 | H | - | - | -83.38 | 12.23 | 35.85 | -59.40 | -40.00 | -19.40 |


Table 7-80. Radiated Spurious Data (NR Band n30 – Low Channel)

| Bandwidth (MHz): | 10 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2310.0 | | | | | | | | |
| RB / Offset: | 1/25 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 4620.0 | H | - | - | -80.19 | 7.06 | 33.87 | -61.39 | -40.00 | -21.39 |
| 6930.0 | H | - | - | -81.40 | 9.64 | 35.24 | -60.02 | -40.00 | -20.02 |
| 9240.0 | H | - | - | -83.38 | 12.23 | 35.85 | -59.40 | -40.00 | -19.40 |

Table 7-81. Radiated Spurious Data (NR Band n30 – Mid Channel)

| Bandwidth (MHz): | 10 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2310.0 | | | | | | | | |
| RB / Offset: | 1/25 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 4620.0 | H | - | - | -80.19 | 7.06 | 33.87 | -61.39 | -40.00 | -21.39 |
| 6930.0 | H | - | - | -81.40 | 9.64 | 35.24 | -60.02 | -40.00 | -20.02 |
| 9240.0 | H | - | - | -83.38 | 12.23 | 35.85 | -59.40 | -40.00 | -19.40 |

Table 7-82. Radiated Spurious Data (NR Band n30 – High Channel)

| | | | |
|--|---|----------------------------|---------------------------------|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
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NR Band n7

| Bandwidth (MHz): | 40 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2520.0 | | | | | | | | |
| RB / Offset: | 1/50 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5040.0 | H | - | - | -81.40 | 7.68 | 33.28 | -61.98 | -25.00 | -36.98 |
| 7560.0 | H | - | - | -82.18 | 10.81 | 35.63 | -59.63 | -25.00 | -34.63 |
| 10080.0 | H | - | - | -84.60 | 13.87 | 36.27 | -58.99 | -25.00 | -33.99 |


Table 7-83. Radiated Spurious Data (NR Band n7 – Low Channel)

| Bandwidth (MHz): | 40 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2535.0 | | | | | | | | |
| RB / Offset: | 1/50 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5070.0 | H | - | - | -81.47 | 7.43 | 32.96 | -62.30 | -25.00 | -37.30 |
| 7605.0 | H | - | - | -82.25 | 10.53 | 35.28 | -59.98 | -25.00 | -34.98 |
| 10140.0 | H | - | - | -84.24 | 14.39 | 37.15 | -58.11 | -25.00 | -33.11 |

Table 7-84. Radiated Spurious Data (NR Band n7 – Mid Channel)

| Bandwidth (MHz): | 40 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2550.0 | | | | | | | | |
| RB / Offset: | 1/50 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5100.0 | H | - | - | -81.18 | 7.66 | 33.48 | -61.78 | -25.00 | -36.78 |
| 7650.0 | H | - | - | -81.34 | 9.84 | 35.50 | -59.76 | -25.00 | -34.76 |
| 10200.0 | H | - | - | -84.04 | 13.64 | 36.60 | -58.66 | -25.00 | -33.66 |

Table 7-85. Radiated Spurious Data (NR Band n7 – High Channel)

| | | | |
|--|---|----------------------------|---------------------------------|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
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NR Band n41

| Bandwidth (MHz): | 100 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2546.0 | | | | | | | | |
| RB / Offset: | 1/136 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5092.0 | H | - | - | -80.74 | 7.89 | 34.15 | -61.10 | -25.00 | -36.10 |
| 7638.0 | H | - | - | -81.65 | 10.96 | 36.31 | -58.95 | -25.00 | -33.95 |
| 10184.0 | H | - | - | -83.41 | 14.01 | 37.60 | -57.66 | -25.00 | -32.66 |


Table 7-86. Radiated Spurious Data (NR Band n41 – Low Channel)

| Bandwidth (MHz): | 100 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2593.0 | | | | | | | | |
| RB / Offset: | 1/136 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5186.0 | H | - | - | -80.77 | 7.68 | 33.91 | -61.35 | -25.00 | -36.35 |
| 7779.0 | H | - | - | -81.14 | 10.41 | 36.27 | -58.99 | -25.00 | -33.99 |
| 10372.0 | H | - | - | -83.70 | 14.61 | 37.91 | -57.35 | -25.00 | -32.35 |

Table 7-87. Radiated Spurious Data (NR Band n41 – Mid Channel)

| Bandwidth (MHz): | 100 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2640.0 | | | | | | | | |
| RB / Offset: | 1/136 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5280.0 | H | - | - | -80.67 | 7.38 | 33.71 | -61.55 | -25.00 | -36.55 |
| 7920.0 | H | - | - | -81.65 | 11.23 | 36.58 | -58.68 | -25.00 | -33.68 |
| 10560.0 | H | - | - | -83.84 | 14.53 | 37.69 | -57.56 | -25.00 | -32.56 |

Table 7-88. Radiated Spurious Data (NR Band n41 – High Channel)

| | | | |
|---|---|-----------------------------------|--|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
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ULCA - LTE B7

| | |
|----------------------|--------|
| PCC Bandwidth (MHz): | 20 |
| PCC Frequency (MHz): | 2510.0 |
| PCC RB / Offset: | 1 / 99 |
| SCC Bandwidth (MHz): | 20 |
| SCC Frequency (MHz): | 2529.8 |
| SCC RB / Offset: | 1 / 0 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5020.0 | H | - | - | -80.78 | 7.68 | 33.90 | -61.36 | -25.00 | -36.36 |
| 7530.0 | H | - | - | -81.62 | 10.81 | 36.19 | -59.07 | -25.00 | -34.07 |
| 10040.0 | H | - | - | -84.09 | 13.87 | 36.78 | -58.48 | -25.00 | -33.48 |
| 12550.0 | H | - | - | -84.90 | 18.32 | 40.42 | -54.84 | -25.00 | -29.84 |

Table 7-89. Radiated Spurious Data (ULCA LTE B7 – Low Channel)

| | |
|----------------------|--------|
| PCC Bandwidth (MHz): | 20 |
| PCC Frequency (MHz): | 2535.0 |
| PCC RB / Offset: | 1 / 99 |
| SCC Bandwidth (MHz): | 20 |
| SCC Frequency (MHz): | 2554.8 |
| SCC RB / Offset: | 1 / 0 |


| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5070.0 | H | - | - | -80.76 | 7.43 | 33.67 | -61.59 | -25.00 | -36.59 |
| 7605.0 | H | - | - | -81.57 | 10.53 | 35.96 | -59.30 | -25.00 | -34.30 |
| 10140.0 | H | - | - | -83.65 | 14.39 | 37.74 | -57.52 | -25.00 | -32.52 |
| 12675.0 | H | - | - | -85.03 | 18.59 | 40.56 | -54.70 | -25.00 | -29.70 |

Table 7-90. Radiated Spurious Data (ULCA LTE B7 – Mid Channel)

| | |
|----------------------|--------|
| PCC Bandwidth (MHz): | 20 |
| PCC Frequency (MHz): | 2560.0 |
| PCC RB / Offset: | 1 / 0 |
| SCC Bandwidth (MHz): | 20 |
| SCC Frequency (MHz): | 2540.2 |
| SCC RB / Offset: | 1 / 99 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5120.0 | H | - | - | -80.55 | 7.66 | 34.11 | -61.15 | -25.00 | -36.15 |
| 7680.0 | H | - | - | -81.28 | 9.84 | 35.56 | -59.70 | -25.00 | -34.70 |
| 10240.0 | H | - | - | -83.74 | 13.64 | 36.90 | -58.36 | -25.00 | -33.36 |
| 12800.0 | H | - | - | -85.56 | 18.89 | 40.33 | -54.93 | -25.00 | -29.93 |

Table 7-91. Radiated Spurious Data (ULCA LTE B7 – High Channel)

| | | | |
|--|---|----------------------------|---------------------------------|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
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| | |
|----------------------|--------|
| PCC Bandwidth (MHz): | 20 |
| PCC Frequency (MHz): | 2506.0 |
| PCC RB / Offset: | 1 / 99 |
| SCC Bandwidth (MHz): | 20 |
| SCC Frequency (MHz): | 2525.8 |
| SCC RB / Offset: | 1 / 0 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5012.0 | H | - | - | -70.66 | 5.50 | 41.84 | -53.41 | -25.00 | -28.41 |
| 7518.0 | H | - | - | -71.49 | 8.56 | 44.07 | -51.19 | -25.00 | -26.19 |
| 10024.0 | H | - | - | -72.22 | 11.12 | 45.90 | -49.35 | -25.00 | -24.35 |
| 12530.0 | H | - | - | -73.46 | 14.94 | 48.48 | -46.78 | -25.00 | -21.78 |

Table 7-92. Radiated Spurious Data (ULCA LTE B41 – Low Channel)

| | |
|----------------------|--------|
| PCC Bandwidth (MHz): | 20 |
| PCC Frequency (MHz): | 2593.0 |
| PCC RB / Offset: | 1 / 99 |
| SCC Bandwidth (MHz): | 20 |
| SCC Frequency (MHz): | 2612.8 |
| SCC RB / Offset: | 1 / 0 |


| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5186.0 | H | 106 | 346 | -64.44 | 5.60 | 48.16 | -47.10 | -25.00 | -22.10 |
| 7779.0 | H | - | - | -71.15 | 8.77 | 44.62 | -50.64 | -25.00 | -25.64 |
| 10372.0 | H | - | - | -72.57 | 12.03 | 46.46 | -48.79 | -25.00 | -23.79 |
| 12965.0 | H | - | - | -73.32 | 14.48 | 48.16 | -47.10 | -25.00 | -22.10 |

Table 7-93. Radiated Spurious Data (ULCA LTE B41 – Mid Channel)

| | |
|----------------------|--------|
| PCC Bandwidth (MHz): | 20 |
| PCC Frequency (MHz): | 2680.0 |
| PCC RB / Offset: | 1 / 0 |
| SCC Bandwidth (MHz): | 20 |
| SCC Frequency (MHz): | 2660.2 |
| SCC RB / Offset: | 1 / 99 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5360.0 | H | 110 | 339 | -60.73 | 7.21 | 53.48 | -41.78 | -25.00 | -16.78 |
| 8040.0 | H | 111 | 121 | -69.13 | 8.92 | 46.79 | -48.47 | -25.00 | -23.47 |
| 10720.0 | H | - | - | -72.94 | 12.35 | 46.41 | -48.84 | -25.00 | -23.84 |
| 13400.0 | H | - | - | -73.69 | 15.12 | 48.43 | -46.83 | -25.00 | -21.83 |
| 16080.0 | H | - | - | -73.25 | 17.21 | 50.96 | -44.29 | -25.00 | -19.29 |

Table 7-94. Radiated Spurious Data (ULCA LTE B41 – High Channel)

| | | | |
|--|---|----------------------------|---------------------------------|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
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7.7.3 Antenna 3b Radiated Spurious Emission Measurements

LTE Band 30

| Bandwidth (MHz): | 5 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2307.5 | | | | | | | | |
| RB / Offset: | 1 / 12 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 4615.0 | V | - | - | -80.21 | 6.55 | 33.34 | -61.92 | -40.00 | -21.92 |
| 6922.5 | V | 317 | 157 | -78.36 | 9.25 | 37.89 | -57.37 | -40.00 | -17.37 |
| 9230.0 | V | - | - | -82.99 | 11.98 | 35.99 | -59.26 | -40.00 | -19.26 |
| 11537.5 | V | - | - | -83.00 | 14.65 | 38.65 | -56.61 | -40.00 | -16.61 |
| 13845.0 | V | - | - | -83.80 | 15.95 | 39.15 | -56.11 | -40.00 | -16.11 |


Table 7-95. Radiated Spurious Data (LTE Band 30 – Low Channel)

| Bandwidth (MHz): | 10 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2310.0 | | | | | | | | |
| RB / Offset: | 1 / 25 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 4620.0 | V | - | - | -80.24 | 6.58 | 33.34 | -61.91 | -40.00 | -21.91 |
| 6930.0 | V | 313 | 160 | -78.66 | 9.29 | 37.63 | -57.63 | -40.00 | -17.63 |
| 9240.0 | V | - | - | -82.61 | 12.24 | 36.63 | -58.63 | -40.00 | -18.63 |
| 11550.0 | V | - | - | -82.62 | 14.74 | 39.12 | -56.14 | -40.00 | -16.14 |
| 13860.0 | V | - | - | -83.68 | 16.01 | 39.33 | -55.93 | -40.00 | -15.93 |

Table 7-96. Radiated Spurious Data (LTE Band 30 – Mid Channel)

| Bandwidth (MHz): | 5 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2312.5 | | | | | | | | |
| RB / Offset: | 1 / 12 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 4625.00 | V | - | - | -80.30 | 6.62 | 33.32 | -61.94 | -40.00 | -21.94 |
| 6937.50 | V | 292 | 93 | -71.70 | 9.32 | 44.62 | -50.64 | -40.00 | -10.64 |
| 9250.00 | V | - | - | -82.82 | 12.30 | 36.48 | -58.78 | -40.00 | -18.78 |
| 11562.50 | V | - | - | -82.92 | 14.84 | 38.92 | -56.34 | -40.00 | -16.34 |
| 13875.00 | V | - | - | -83.54 | 16.06 | 39.52 | -55.74 | -40.00 | -15.74 |

Table 7-97. Radiated Spurious Data (LTE Band 30 – High Channel)

| | | | |
|--|---|----------------------------|---------------------------------|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
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LTE Band 7

| Bandwidth (MHz): | 20 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2510.0 | | | | | | | | |
| RB / Offset: | 1 / 50 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5020.0 | H | - | - | -80.48 | 8.23 | 34.75 | -60.50 | -25.00 | -35.50 |
| 7530.0 | H | - | - | -81.36 | 11.21 | 36.85 | -58.41 | -25.00 | -33.41 |
| 10040.0 | H | - | - | -82.59 | 14.94 | 39.35 | -55.91 | -25.00 | -30.91 |


Table 7-98. Radiated Spurious Data (LTE Band 7 – Low Channel)

| Bandwidth (MHz): | 20 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2535.0 | | | | | | | | |
| RB / Offset: | 1 / 50 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5070.0 | H | - | - | -80.77 | 7.88 | 34.11 | -61.15 | -25.00 | -36.15 |
| 7605.0 | H | - | - | -82.24 | 12.79 | 37.55 | -57.71 | -25.00 | -32.71 |
| 10140.0 | H | - | - | -82.68 | 14.84 | 39.16 | -56.10 | -25.00 | -31.10 |

Table 7-99. Radiated Spurious Data (LTE Band 7 – Mid Channel)

| Bandwidth (MHz): | 20 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2560.0 | | | | | | | | |
| RB / Offset: | 1 / 50 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5120.00 | H | - | - | -81.19 | 9.07 | 34.88 | -60.38 | -25.00 | -35.38 |
| 7680.00 | H | - | - | -82.02 | 12.28 | 37.26 | -57.99 | -25.00 | -32.99 |
| 10240.00 | H | - | - | -82.58 | 15.63 | 40.05 | -55.21 | -25.00 | -30.21 |

Table 7-100. Radiated Spurious Data (LTE Band 7 – High Channel)

| | | | |
|--|---|----------------------------|---------------------------------|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
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LTE Band 41

| Bandwidth (MHz): | 20 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2506.0 | | | | | | | | |
| RB / Offset: | 1 / 50 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5012.0 | H | - | - | -71.10 | 8.29 | 44.19 | -51.06 | -25.00 | -26.06 |
| 7518.0 | H | - | - | -72.24 | 11.20 | 45.96 | -49.29 | -25.00 | -24.29 |
| 10024.0 | H | - | - | -72.84 | 15.36 | 49.52 | -45.73 | -25.00 | -20.73 |
| 12530.0 | H | - | - | -73.42 | 17.70 | 51.28 | -43.98 | -25.00 | -18.98 |


Table 7-101. Radiated Spurious Data (LTE Band 41 – Low Channel)

| Bandwidth (MHz): | 20 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2593.0 | | | | | | | | |
| RB / Offset: | 1 / 50 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5186.0 | H | - | - | -71.36 | 9.36 | 45.00 | -50.26 | -25.00 | -25.26 |
| 7779.0 | H | - | - | -72.37 | 12.05 | 46.68 | -48.58 | -25.00 | -23.58 |
| 10372.0 | H | - | - | -73.24 | 15.90 | 49.66 | -45.59 | -25.00 | -20.59 |
| 12965.0 | H | - | - | -73.75 | 19.28 | 52.53 | -42.73 | -25.00 | -17.73 |

Table 7-102. Radiated Spurious Data (LTE Band 41 – Mid Channel)

| Bandwidth (MHz): | 20 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2680.0 | | | | | | | | |
| RB / Offset: | 1 / 50 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5360.0 | H | - | - | -71.72 | 9.66 | 44.94 | -50.32 | -25.00 | -25.32 |
| 8040.0 | H | - | - | -73.53 | 13.07 | 46.54 | -48.72 | -25.00 | -23.72 |
| 10720.0 | H | - | - | -73.22 | 15.50 | 49.28 | -45.97 | -25.00 | -20.97 |
| 13400.0 | H | - | - | -73.90 | 18.35 | 51.45 | -43.81 | -25.00 | -18.81 |

Table 7-103. Radiated Spurious Data (LTE Band 41 – High Channel)

| | | | |
|--|---|----------------------------|---------------------------------|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
| Test Report S/N: 1C2106080049-04-R1.BCG | Test Dates: 6/2/2021 - 8/26/2021 | EUT Type: Tablet Device | Page 229 of 250 |

NR Band n30

| | |
|------------------|--------|
| Bandwidth (MHz): | 5 |
| Frequency (MHz): | 2307.5 |
| RB / Offset: | 1/25 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 4615.0 | H | - | - | -80.58 | 7.06 | 33.48 | -61.78 | -40.00 | -21.78 |
| 6922.5 | H | - | - | -81.49 | 9.64 | 35.15 | -60.11 | -40.00 | -20.11 |
| 9230.0 | H | - | - | -82.45 | 12.23 | 36.78 | -58.47 | -40.00 | -18.47 |

Table 7-104. Radiated Spurious Data (NR Band n30 – Low Channel)

| | |
|------------------|--------|
| Bandwidth (MHz): | 10 |
| Frequency (MHz): | 2310.0 |
| RB / Offset: | 1/25 |


| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 4620.0 | H | - | - | -80.21 | 7.06 | 33.85 | -61.41 | -40.00 | -21.41 |
| 6930.0 | H | - | - | -81.11 | 9.64 | 35.53 | -59.73 | -40.00 | -19.73 |
| 9240.0 | H | - | - | -83.27 | 12.23 | 35.96 | -59.29 | -40.00 | -19.29 |

Table 7-105. Radiated Spurious Data (NR Band n30 – Mid Channel)

| | |
|------------------|--------|
| Bandwidth (MHz): | 5 |
| Frequency (MHz): | 2312.5 |
| RB / Offset: | 1/25 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 4625.0 | H | - | - | -80.87 | 7.06 | 33.19 | -62.07 | -40.00 | -22.07 |
| 6937.5 | H | - | - | -82.27 | 9.64 | 34.37 | -60.89 | -40.00 | -20.89 |
| 9250.0 | H | - | - | -82.58 | 12.23 | 36.65 | -58.60 | -40.00 | -18.60 |

Table 7-106. Radiated Spurious Data (NR Band n30 – High Channel)

| | | | |
|--|---|----------------------------|---------------------------------|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
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NR Band n7

| Bandwidth (MHz): | 40 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2520.0 | | | | | | | | |
| RB / Offset: | 1/108 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5040.0 | H | - | - | -80.85 | 7.68 | 33.83 | -61.43 | -25.00 | -36.43 |
| 7560.0 | H | - | - | -81.59 | 10.81 | 36.22 | -59.04 | -25.00 | -34.04 |
| 10080.0 | H | - | - | -84.13 | 13.87 | 36.74 | -58.52 | -25.00 | -33.52 |


Table 7-107. Radiated Spurious Data (NR Band n7 – Low Channel)

| Bandwidth (MHz): | 40 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2535.0 | | | | | | | | |
| RB / Offset: | 1/108 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5070.0 | H | - | - | -80.89 | 7.43 | 33.54 | -61.72 | -25.00 | -36.72 |
| 7605.0 | H | - | - | -81.44 | 10.53 | 36.09 | -59.17 | -25.00 | -34.17 |
| 10140.0 | H | - | - | -83.75 | 14.39 | 37.64 | -57.62 | -25.00 | -32.62 |

Table 7-108. Radiated Spurious Data (NR Band n7 – Mid Channel)

| Bandwidth (MHz): | 40 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2550.0 | | | | | | | | |
| RB / Offset: | 1/108 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5100.0 | H | - | - | -80.67 | 7.66 | 33.99 | -61.27 | -25.00 | -36.27 |
| 7650.0 | H | - | - | -81.40 | 9.84 | 35.44 | -59.82 | -25.00 | -34.82 |
| 10200.0 | H | - | - | -83.67 | 13.64 | 36.97 | -58.29 | -25.00 | -33.29 |

Table 7-109. Radiated Spurious Data (NR Band n7 – High Channel)

| | | | |
|--|---|----------------------------|---------------------------------|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
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NR Band n41

| Bandwidth (MHz): | 100 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2546.0 | | | | | | | | |
| RB / Offset: | 1/136 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5092.0 | H | 113 | 333 | -65.12 | 7.89 | 49.77 | -45.48 | -25.00 | -20.48 |
| 7638.0 | H | 112 | 226 | -76.56 | 10.96 | 41.40 | -53.86 | -25.00 | -28.86 |
| 10184.0 | H | - | - | -83.09 | 14.01 | 37.92 | -57.34 | -25.00 | -32.34 |
| 12730.0 | H | - | - | -84.43 | 17.83 | 40.40 | -54.86 | -25.00 | -29.86 |
| 15276.0 | H | - | - | -85.10 | 20.28 | 42.18 | -53.08 | -25.00 | -28.08 |


Table 7-110. Radiated Spurious Data (NR Band n41 – Low Channel)

| Bandwidth (MHz): | 100 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2593.0 | | | | | | | | |
| RB / Offset: | 1/136 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5186.0 | H | 318 | 1 | -57.63 | 7.68 | 57.05 | -38.21 | -25.00 | -13.21 |
| 7779.0 | H | 255 | 9 | -68.11 | 10.41 | 49.30 | -45.96 | -25.00 | -20.96 |
| 10372.0 | H | - | - | -83.54 | 14.61 | 38.07 | -57.19 | -25.00 | -32.19 |
| 12965.0 | H | - | - | -84.25 | 18.16 | 40.91 | -54.35 | -25.00 | -29.35 |
| 15558.0 | H | - | - | -85.03 | 21.09 | 43.06 | -52.20 | -25.00 | -27.20 |

Table 7-111. Radiated Spurious Data (NR Band n41 – Mid Channel)

| Bandwidth (MHz): | 100 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2640.0 | | | | | | | | |
| RB / Offset: | 1/136 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5280.0 | H | 107 | 296 | -59.25 | 7.38 | 55.13 | -40.13 | -25.00 | -15.13 |
| 7920.0 | H | 103 | 303 | -70.54 | 11.23 | 47.69 | -47.57 | -25.00 | -22.57 |
| 10560.0 | H | - | - | -83.37 | 14.53 | 38.16 | -57.09 | -25.00 | -32.09 |
| 13200.0 | H | - | - | -84.65 | 17.92 | 40.27 | -54.99 | -25.00 | -29.99 |
| 15840.0 | H | - | - | -85.06 | 21.05 | 42.99 | -52.27 | -25.00 | -27.27 |

Table 7-112. Radiated Spurious Data (NR Band n41 – High Channel)

| | | | |
|--|---|----------------------------|---------------------------------|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
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ULCA - LTE B7

| | |
|----------------------|--------|
| PCC Bandwidth (MHz): | 20 |
| PCC Frequency (MHz): | 2510.0 |
| PCC RB / Offset: | 1 / 99 |
| SCC Bandwidth (MHz): | 20 |
| SCC Frequency (MHz): | 2529.8 |
| SCC RB / Offset: | 1 / 0 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5020.0 | H | - | - | -80.64 | 7.68 | 34.04 | -61.22 | -25.00 | -36.22 |
| 7530.0 | H | - | - | -81.55 | 10.81 | 36.26 | -59.00 | -25.00 | -34.00 |
| 10040.0 | H | - | - | -84.47 | 13.87 | 36.40 | -58.86 | -25.00 | -33.86 |
| 12550.0 | H | - | - | -84.85 | 18.32 | 40.47 | -54.79 | -25.00 | -29.79 |

Table 7-113. Radiated Spurious Data (ULCA LTE B7 – Low Channel)

| | |
|----------------------|--------|
| PCC Bandwidth (MHz): | 20 |
| PCC Frequency (MHz): | 2535.0 |
| PCC RB / Offset: | 1 / 99 |
| SCC Bandwidth (MHz): | 20 |
| SCC Frequency (MHz): | 2554.8 |
| SCC RB / Offset: | 1 / 0 |


| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5070.0 | H | - | - | -80.83 | 7.43 | 33.60 | -61.66 | -25.00 | -36.66 |
| 7605.0 | H | - | - | -81.90 | 10.53 | 35.63 | -59.63 | -25.00 | -34.63 |
| 10140.0 | H | - | - | -83.76 | 14.39 | 37.63 | -57.63 | -25.00 | -32.63 |
| 12675.0 | H | - | - | -85.13 | 18.59 | 40.46 | -54.80 | -25.00 | -29.80 |

Table 7-114. Radiated Spurious Data (ULCA LTE B7 – Mid Channel)

| | |
|----------------------|--------|
| PCC Bandwidth (MHz): | 20 |
| PCC Frequency (MHz): | 2560.0 |
| PCC RB / Offset: | 1 / 0 |
| SCC Bandwidth (MHz): | 20 |
| SCC Frequency (MHz): | 2540.2 |
| SCC RB / Offset: | 1 / 99 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5120.0 | H | - | - | -80.59 | 7.66 | 34.07 | -61.19 | -25.00 | -36.19 |
| 7680.0 | H | - | - | -81.47 | 9.84 | 35.37 | -59.89 | -25.00 | -34.89 |
| 10240.0 | H | - | - | -83.75 | 13.64 | 36.89 | -58.37 | -25.00 | -33.37 |
| 12800.0 | H | - | - | -85.61 | 18.89 | 40.28 | -54.98 | -25.00 | -29.98 |

Table 7-115. Radiated Spurious Data (ULCA LTE B7 – High Channel)

| | | | |
|--|---|----------------------------|---------------------------------|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
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ULCA - LTE B41

| | |
|----------------------|--------|
| PCC Bandwidth (MHz): | 20 |
| PCC Frequency (MHz): | 2506.0 |
| PCC RB / Offset: | 1 / 99 |
| SCC Bandwidth (MHz): | 20 |
| SCC Frequency (MHz): | 2525.8 |
| SCC RB / Offset: | 1 / 0 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5012.0 | H | - | - | -70.21 | 5.50 | 42.29 | -52.96 | -25.00 | -27.96 |
| 7518.0 | H | - | - | -71.25 | 8.56 | 44.31 | -50.95 | -25.00 | -25.95 |
| 10024.0 | H | - | - | -72.35 | 11.12 | 45.77 | -49.48 | -25.00 | -24.48 |
| 12530.0 | H | - | - | -73.21 | 14.94 | 48.73 | -46.53 | -25.00 | -21.53 |

Table 7-116. Radiated Spurious Data (ULCA LTE B41 – Low Channel)

| | |
|----------------------|--------|
| PCC Bandwidth (MHz): | 20 |
| PCC Frequency (MHz): | 2593.0 |
| PCC RB / Offset: | 1 / 99 |
| SCC Bandwidth (MHz): | 20 |
| SCC Frequency (MHz): | 2612.8 |
| SCC RB / Offset: | 1 / 0 |


| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5186.0 | H | 110 | 334 | -58.46 | 5.60 | 54.14 | -41.12 | -25.00 | -16.12 |
| 7779.0 | H | 110 | 128 | -69.08 | 8.77 | 46.69 | -48.57 | -25.00 | -23.57 |
| 10372.0 | H | - | - | -72.60 | 12.03 | 46.43 | -48.82 | -25.00 | -23.82 |
| 12965.0 | H | - | - | -73.59 | 14.48 | 47.89 | -47.37 | -25.00 | -22.37 |
| 15558.0 | H | - | - | -72.49 | 17.06 | 51.57 | -43.69 | -25.00 | -18.69 |

Table 7-117. Radiated Spurious Data (ULCA LTE B41 – Mid Channel)

| | |
|----------------------|--------|
| PCC Bandwidth (MHz): | 20 |
| PCC Frequency (MHz): | 2680.0 |
| PCC RB / Offset: | 1 / 0 |
| SCC Bandwidth (MHz): | 20 |
| SCC Frequency (MHz): | 2660.2 |
| SCC RB / Offset: | 1 / 99 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5360.0 | H | 122 | 336 | -58.32 | 7.21 | 55.89 | -39.37 | -25.00 | -14.37 |
| 8040.0 | H | 121 | 343 | -68.40 | 8.92 | 47.52 | -47.74 | -25.00 | -22.74 |
| 10720.0 | H | - | - | -72.89 | 12.35 | 46.46 | -48.79 | -25.00 | -23.79 |
| 13400.0 | H | - | - | -73.73 | 15.12 | 48.39 | -46.87 | -25.00 | -21.87 |
| 16080.0 | H | - | - | -73.25 | 17.21 | 50.96 | -44.29 | -25.00 | -19.29 |

Table 7-118. Radiated Spurious Data (ULCA LTE B41 – High Channel)

| | | | |
|--|---|----------------------------|---------------------------------|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
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7.7.4 Antenna 2 Radiated Spurious Emission Measurements

LTE Band 30

| Bandwidth (MHz): | 5 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2307.5 | | | | | | | | |
| RB / Offset: | 1 / 25 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 4615.0 | H | - | - | -80.27 | 6.55 | 33.28 | -61.98 | -40.00 | -21.98 |
| 6922.5 | H | - | - | -81.64 | 9.25 | 34.61 | -60.65 | -40.00 | -20.65 |
| 9230.0 | H | - | - | -83.00 | 11.98 | 35.98 | -59.27 | -40.00 | -19.27 |
| 11537.5 | H | - | - | -82.80 | 14.65 | 38.85 | -56.41 | -40.00 | -16.41 |


Table 7-119. Radiated Spurious Data (LTE Band 30 – Low Channel)

| Bandwidth (MHz): | 10 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2310.0 | | | | | | | | |
| RB / Offset: | 1 / 25 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 4620.0 | H | - | - | -80.15 | 6.58 | 33.43 | -61.82 | -40.00 | -21.82 |
| 6930.0 | H | - | - | -81.65 | 9.29 | 34.64 | -60.62 | -40.00 | -20.62 |
| 9240.0 | H | - | - | -82.79 | 12.24 | 36.45 | -58.81 | -40.00 | -18.81 |
| 11550.0 | H | - | - | -82.97 | 14.74 | 38.77 | -56.49 | -40.00 | -16.49 |

Table 7-120. Radiated Spurious Data (LTE Band 30 – Mid Channel)

| Bandwidth (MHz): | 5 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2312.5 | | | | | | | | |
| RB / Offset: | 1 / 25 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 4625.00 | H | - | - | -80.19 | 6.62 | 33.43 | -61.83 | -40.00 | -21.83 |
| 6937.50 | H | - | - | -81.62 | 9.32 | 34.70 | -60.56 | -40.00 | -20.56 |
| 9250.00 | H | - | - | -82.64 | 12.30 | 36.66 | -58.60 | -40.00 | -18.60 |
| 11562.50 | H | - | - | -83.03 | 14.84 | 38.81 | -56.45 | -40.00 | -16.45 |

Table 7-121. Radiated Spurious Data (LTE Band 30 – High Channel)

| | | | |
|--|---|----------------------------|---------------------------------|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
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LTE Band 7

| | |
|------------------|--------|
| Bandwidth (MHz): | 20 |
| Frequency (MHz): | 2510.0 |
| RB / Offset: | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5020.0 | H | - | - | -80.44 | 8.23 | 34.79 | -60.46 | -25.00 | -35.46 |
| 7530.0 | H | - | - | -81.45 | 11.21 | 36.76 | -58.50 | -25.00 | -33.50 |
| 10040.0 | H | - | - | -82.59 | 14.94 | 39.35 | -55.91 | -25.00 | -30.91 |

Table 7-122. Radiated Spurious Data (LTE Band 7 – Low Channel)

| | |
|------------------|--------|
| Bandwidth (MHz): | 20 |
| Frequency (MHz): | 2535.0 |
| RB / Offset: | 1 / 50 |


| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5070.0 | H | - | - | -80.03 | 7.88 | 34.85 | -60.41 | -25.00 | -35.41 |
| 7605.0 | H | - | - | -81.65 | 12.79 | 38.14 | -57.12 | -25.00 | -32.12 |
| 10140.0 | H | - | - | -81.63 | 14.84 | 40.21 | -55.05 | -25.00 | -30.05 |

Table 7-123. Radiated Spurious Data (LTE Band 7 – Mid Channel)

| | |
|------------------|--------|
| Bandwidth (MHz): | 20 |
| Frequency (MHz): | 2560.0 |
| RB / Offset: | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5120.00 | H | - | - | -80.16 | 9.07 | 35.91 | -59.35 | -25.00 | -34.35 |
| 7680.00 | H | - | - | -82.40 | 12.28 | 36.88 | -58.37 | -25.00 | -33.37 |
| 10240.00 | H | - | - | -82.97 | 15.63 | 39.66 | -55.60 | -25.00 | -30.60 |

Table 7-124. Radiated Spurious Data (LTE Band 7 – High Channel)

| | | | |
|--|---|----------------------------|---------------------------------|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
| Test Report S/N: 1C2106080049-04-R1.BCG | Test Dates: 6/2/2021 - 8/26/2021 | EUT Type: Tablet Device | Page 236 of 250 |

LTE Band 41

| Bandwidth (MHz): | 20 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2506.0 | | | | | | | | |
| RB / Offset: | 1 / 50 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5012.0 | H | - | - | -70.80 | 8.29 | 44.49 | -50.76 | -25.00 | -25.76 |
| 7518.0 | H | - | - | -71.55 | 11.20 | 46.65 | -48.60 | -25.00 | -23.60 |
| 10024.0 | H | - | - | -73.02 | 15.36 | 49.34 | -45.91 | -25.00 | -20.91 |
| 12530.0 | H | - | - | -73.37 | 17.70 | 51.33 | -43.93 | -25.00 | -18.93 |


Table 7-125. Radiated Spurious Data (LTE Band 41 – Low Channel)

| Bandwidth (MHz): | 20 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2593.0 | | | | | | | | |
| RB / Offset: | 1 / 50 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5186.0 | H | - | - | -71.57 | 9.36 | 44.79 | -50.47 | -25.00 | -25.47 |
| 7779.0 | H | - | - | -72.32 | 12.05 | 46.73 | -48.53 | -25.00 | -23.53 |
| 10372.0 | H | - | - | -73.40 | 15.90 | 49.50 | -45.75 | -25.00 | -20.75 |
| 12965.0 | H | - | - | -73.46 | 19.28 | 52.82 | -42.44 | -25.00 | -17.44 |

Table 7-126. Radiated Spurious Data (LTE Band 41 – Mid Channel)

| Bandwidth (MHz): | 20 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2680.0 | | | | | | | | |
| RB / Offset: | 1 / 50 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5360.0 | H | - | - | -71.56 | 9.66 | 45.10 | -50.16 | -25.00 | -25.16 |
| 8040.0 | H | - | - | -72.98 | 13.07 | 47.09 | -48.17 | -25.00 | -23.17 |
| 10720.0 | H | - | - | -74.05 | 15.50 | 48.45 | -46.80 | -25.00 | -21.80 |
| 13400.0 | H | - | - | -73.58 | 18.35 | 51.77 | -43.49 | -25.00 | -18.49 |

Table 7-127. Radiated Spurious Data (LTE Band 41 – High Channel)

| | | | |
|--|---|----------------------------|---------------------------------|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
| Test Report S/N: 1C2106080049-04-R1.BCG | Test Dates: 6/2/2021 - 8/26/2021 | EUT Type: Tablet Device | Page 237 of 250 |

NR Band n30

| Bandwidth (MHz): | 5 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2307.5 | | | | | | | | |
| RB / Offset: | 1/25 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 4615.0 | H | - | - | -77.93 | 7.06 | 36.13 | -59.13 | -40.00 | -19.13 |
| 6922.5 | H | - | - | -80.19 | 9.64 | 36.45 | -58.81 | -40.00 | -18.81 |
| 9230.0 | H | - | - | -83.28 | 12.23 | 35.95 | -59.30 | -40.00 | -19.30 |


Table 7-128. Radiated Spurious Data (NR Band n30 – Low Channel)

| Bandwidth (MHz): | 10 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2310.0 | | | | | | | | |
| RB / Offset: | 1/25 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 4620.0 | H | - | - | -80.28 | 7.06 | 33.78 | -61.48 | -40.00 | -21.48 |
| 6930.0 | H | - | - | -81.28 | 9.64 | 35.36 | -59.90 | -40.00 | -19.90 |
| 9240.0 | H | - | - | -83.31 | 12.23 | 35.92 | -59.33 | -40.00 | -19.33 |

Table 7-129. Radiated Spurious Data (NR Band n30 – Mid Channel)

| Bandwidth (MHz): | 5 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2312.5 | | | | | | | | |
| RB / Offset: | 1/25 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 4625.0 | H | - | - | -78.27 | 7.06 | 35.79 | -59.47 | -40.00 | -19.47 |
| 6937.5 | H | - | - | -79.84 | 9.64 | 36.80 | -58.46 | -40.00 | -18.46 |
| 9250.0 | H | - | - | -83.24 | 12.23 | 35.99 | -59.26 | -40.00 | -19.26 |

Table 7-130. Radiated Spurious Data (NR Band n30 – High Channel)

| | | | |
|---|---|-----------------------------------|--|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
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NR Band n7

| Bandwidth (MHz): | 40 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2520.0 | | | | | | | | |
| RB / Offset: | 1/108 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5040.0 | H | - | - | -80.59 | 7.68 | 34.09 | -61.17 | -25.00 | -36.17 |
| 7560.0 | H | - | - | -81.50 | 10.81 | 36.31 | -58.95 | -25.00 | -33.95 |
| 10080.0 | H | - | - | -84.15 | 13.87 | 36.72 | -58.54 | -25.00 | -33.54 |


Table 7-131. Radiated Spurious Data (NR Band n7 – Low Channel)

| Bandwidth (MHz): | 40 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2535.0 | | | | | | | | |
| RB / Offset: | 1/108 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5070.0 | H | - | - | -80.92 | 7.43 | 33.51 | -61.75 | -25.00 | -36.75 |
| 7605.0 | H | - | - | -81.35 | 10.53 | 36.18 | -59.08 | -25.00 | -34.08 |
| 10140.0 | H | - | - | -83.98 | 14.39 | 37.41 | -57.85 | -25.00 | -32.85 |

Table 7-132. Radiated Spurious Data (NR Band n7 – Mid Channel)

| Bandwidth (MHz): | 40 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2550.0 | | | | | | | | |
| RB / Offset: | 1/108 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5100.0 | H | - | - | -80.93 | 7.66 | 33.73 | -61.53 | -25.00 | -36.53 |
| 7650.0 | H | - | - | -81.28 | 9.84 | 35.56 | -59.70 | -25.00 | -34.70 |
| 10200.0 | H | - | - | -83.81 | 13.64 | 36.83 | -58.43 | -25.00 | -33.43 |

Table 7-133. Radiated Spurious Data (NR Band n7 – High Channel)

| | | | |
|--|---|----------------------------|---------------------------------|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
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NR Band n41

| Bandwidth (MHz): | 100 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2546.0 | | | | | | | | |
| RB / Offset: | 1/136 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5092.0 | H | - | - | -80.94 | 7.89 | 33.95 | -61.30 | -25.00 | -36.30 |
| 7638.0 | H | - | - | -81.90 | 10.96 | 36.06 | -59.20 | -25.00 | -34.20 |
| 10184.0 | H | - | - | -83.67 | 14.01 | 37.34 | -57.92 | -25.00 | -32.92 |


Table 7-134. Radiated Spurious Data (NR Band n41 – Low Channel)

| Bandwidth (MHz): | 100 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2593.0 | | | | | | | | |
| RB / Offset: | 1/136 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5186.0 | H | - | - | -80.85 | 7.68 | 33.83 | -61.43 | -25.00 | -36.43 |
| 7779.0 | H | - | - | -81.28 | 10.41 | 36.13 | -59.13 | -25.00 | -34.13 |
| 10372.0 | H | - | - | -83.87 | 14.61 | 37.74 | -57.52 | -25.00 | -32.52 |

Table 7-135. Radiated Spurious Data (NR Band n41 – Mid Channel)

| Bandwidth (MHz): | 100 | | | | | | | | |
|------------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| Frequency (MHz): | 2640.0 | | | | | | | | |
| RB / Offset: | 1/136 | | | | | | | | |
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
| 5280.0 | H | - | - | -80.63 | 7.38 | 33.75 | -61.51 | -25.00 | -36.51 |
| 7920.0 | H | - | - | -81.62 | 11.23 | 36.61 | -58.65 | -25.00 | -33.65 |
| 10560.0 | H | - | - | -83.74 | 14.53 | 37.79 | -57.46 | -25.00 | -32.46 |

Table 7-136. Radiated Spurious Data (NR Band n41 – High Channel)

| | | | |
|---|---|-----------------------------------|--|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
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ULCA - LTE B7

| | |
|----------------------|--------|
| PCC Bandwidth (MHz): | 20 |
| PCC Frequency (MHz): | 2510.0 |
| PCC RB / Offset: | 1 / 99 |
| SCC Bandwidth (MHz): | 20 |
| SCC Frequency (MHz): | 2529.8 |
| SCC RB / Offset: | 1 / 0 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5020.0 | H | - | - | -80.72 | 7.68 | 33.96 | -61.30 | -25.00 | -36.30 |
| 7530.0 | H | - | - | -81.41 | 10.81 | 36.40 | -58.86 | -25.00 | -33.86 |
| 10040.0 | H | - | - | -84.27 | 13.87 | 36.60 | -58.66 | -25.00 | -33.66 |
| 12550.0 | H | - | - | -85.03 | 18.32 | 40.29 | -54.97 | -25.00 | -29.97 |

Table 7-137. Radiated Spurious Data (ULCA LTE B7 – Low Channel)

| | |
|----------------------|--------|
| PCC Bandwidth (MHz): | 20 |
| PCC Frequency (MHz): | 2535.0 |
| PCC RB / Offset: | 1 / 99 |
| SCC Bandwidth (MHz): | 20 |
| SCC Frequency (MHz): | 2554.8 |
| SCC RB / Offset: | 1 / 0 |


| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5070.0 | H | - | - | -80.91 | 7.43 | 33.52 | -61.74 | -25.00 | -36.74 |
| 7605.0 | H | - | - | -81.82 | 10.53 | 35.71 | -59.55 | -25.00 | -34.55 |
| 10140.0 | H | - | - | -83.71 | 14.39 | 37.68 | -57.58 | -25.00 | -32.58 |
| 12675.0 | H | - | - | -85.04 | 18.59 | 40.55 | -54.71 | -25.00 | -29.71 |

Table 7-138. Radiated Spurious Data (ULCA LTE B7 – Mid Channel)

| | |
|----------------------|--------|
| PCC Bandwidth (MHz): | 20 |
| PCC Frequency (MHz): | 2560.0 |
| PCC RB / Offset: | 1 / 0 |
| SCC Bandwidth (MHz): | 20 |
| SCC Frequency (MHz): | 2540.2 |
| SCC RB / Offset: | 1 / 99 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5120.0 | H | - | - | -80.63 | 7.66 | 34.03 | -61.23 | -25.00 | -36.23 |
| 7680.0 | H | - | - | -81.54 | 9.84 | 35.30 | -59.96 | -25.00 | -34.96 |
| 10240.0 | H | - | - | -83.77 | 13.64 | 36.87 | -58.39 | -25.00 | -33.39 |
| 12800.0 | H | - | - | -85.66 | 18.89 | 40.23 | -55.03 | -25.00 | -30.03 |

Table 7-139. Radiated Spurious Data (ULCA LTE B7 – High Channel)

| | | | |
|--|---|----------------------------|---------------------------------|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
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| | |
|----------------------|--------|
| PCC Bandwidth (MHz): | 20 |
| PCC Frequency (MHz): | 2506.0 |
| PCC RB / Offset: | 1 / 99 |
| SCC Bandwidth (MHz): | 20 |
| SCC Frequency (MHz): | 2525.8 |
| SCC RB / Offset: | 1 / 0 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5012.0 | H | - | - | -70.68 | 5.50 | 41.82 | -53.43 | -25.00 | -28.43 |
| 7518.0 | H | - | - | -71.74 | 8.56 | 43.82 | -51.44 | -25.00 | -26.44 |
| 10024.0 | H | - | - | -72.38 | 11.12 | 45.74 | -49.51 | -25.00 | -24.51 |
| 12530.0 | H | - | - | -73.77 | 14.94 | 48.17 | -47.09 | -25.00 | -22.09 |

Table 7-140. Radiated Spurious Data (ULCA LTE B41 – Low Channel)

| | |
|----------------------|--------|
| PCC Bandwidth (MHz): | 20 |
| PCC Frequency (MHz): | 2593.0 |
| PCC RB / Offset: | 1 / 99 |
| SCC Bandwidth (MHz): | 20 |
| SCC Frequency (MHz): | 2612.8 |
| SCC RB / Offset: | 1 / 0 |


| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5186.0 | H | 106 | 341 | -59.93 | 5.60 | 52.67 | -42.59 | -25.00 | -17.59 |
| 7779.0 | H | 110 | 134 | -68.98 | 8.77 | 46.79 | -48.47 | -25.00 | -23.47 |
| 10372.0 | H | - | - | -72.64 | 12.03 | 46.39 | -48.86 | -25.00 | -23.86 |
| 12965.0 | H | - | - | -73.74 | 14.48 | 47.74 | -47.52 | -25.00 | -22.52 |
| 15558.0 | H | - | - | -72.94 | 17.06 | 51.12 | -44.14 | -25.00 | -19.14 |

Table 7-141. Radiated Spurious Data (ULCA LTE B41 – Mid Channel)

| | |
|----------------------|--------|
| PCC Bandwidth (MHz): | 20 |
| PCC Frequency (MHz): | 2680.0 |
| PCC RB / Offset: | 1 / 0 |
| SCC Bandwidth (MHz): | 20 |
| SCC Frequency (MHz): | 2660.2 |
| SCC RB / Offset: | 1 / 99 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5360.0 | H | 106 | 347 | -59.49 | 7.21 | 54.72 | -40.54 | -25.00 | -15.54 |
| 8040.0 | H | 102 | 301 | -69.15 | 8.92 | 46.77 | -48.49 | -25.00 | -23.49 |
| 10720.0 | H | - | - | -73.17 | 12.35 | 46.18 | -49.07 | -25.00 | -24.07 |
| 13400.0 | H | - | - | -73.45 | 15.12 | 48.67 | -46.59 | -25.00 | -21.59 |
| 16080.0 | H | - | - | -73.86 | 17.21 | 50.35 | -44.90 | -25.00 | -19.90 |

Table 7-142. Radiated Spurious Data (ULCA LTE B41 – High Channel)

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

\$2.1055, \$27.54

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:

- a.) **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 27, 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

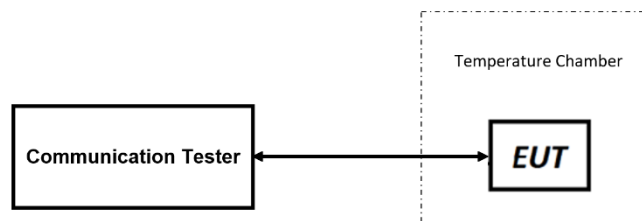



Figure 7-8. Test Instrument & Measurement Setup

Test Notes

1. All port were tested and only the worst case data were reported.
2. NR bands with wider bandwidths compared to respective LTE bands have been investigated and worst case was reported. NR Bands with equal or lower bandwidths to respective LTE bands are covered by their respective LTE Bands.

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

LTE Band 30

| | |
|------------------------------|---------------|
| Low Channel Frequency (Hz): | 2,307,500,000 |
| High Channel Frequency (Hz): | 2,312,500,000 |
| 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 | 2,307,500,003 | 2,312,500,005 | 5 | 4 | 0.0000002 |
| | | - 20 | 2,307,499,999 | 2,312,500,003 | 1 | 2 | 0.0000001 |
| | | - 10 | 2,307,499,998 | 2,312,500,004 | 1 | 3 | 0.0000001 |
| | | 0 | 2,307,499,996 | 2,312,499,999 | -1 | -2 | -0.0000001 |
| | | + 10 | 2,307,499,998 | 2,312,500,003 | 0 | 2 | 0.0000001 |
| | | + 20 (Ref) | 2,307,499,997 | 2,312,500,001 | 0 | 0 | 0.0000000 |
| | | + 30 | 2,307,499,993 | 2,312,500,005 | -4 | 4 | -0.0000002 |
| | | + 40 | 2,307,499,996 | 2,312,500,003 | -1 | 2 | 0.0000001 |
| | | + 50 | 2,307,499,997 | 2,312,500,003 | 0 | 2 | 0.0000001 |
| Battery Endpoint | 3.23 | + 20 | 2,307,499,995 | 2,312,500,000 | -2 | -1 | -0.0000001 |

Table 7-143. LTE Band 30 Frequency Stability Data

| | | | |
|--|---|----------------------------|---------------------------------|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
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Frequency Stability / Temperature Variation

LTE Band 7

| | |
|------------------------------|---------------|
| Low Channel Frequency (Hz): | 2,510,000,000 |
| High Channel Frequency (Hz): | 2,560,000,000 |
| 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 | 2,509,999,975 | 2,560,000,004 | -11 | -1 | -0.0000004 |
| | | - 20 | 2,509,999,978 | 2,560,000,006 | -7 | 1 | -0.0000003 |
| | | - 10 | 2,509,999,975 | 2,560,000,007 | -10 | 1 | -0.0000004 |
| | | 0 | 2,509,999,978 | 2,560,000,006 | -7 | 1 | -0.0000003 |
| | | + 10 | 2,509,999,974 | 2,560,000,005 | -12 | 0 | -0.0000005 |
| | | + 20 (Ref) | 2,509,999,985 | 2,560,000,005 | 0 | 0 | 0.0000000 |
| | | + 30 | 2,509,999,974 | 2,560,000,008 | -11 | 3 | -0.0000004 |
| | | + 40 | 2,509,999,976 | 2,560,000,006 | -9 | 1 | -0.0000004 |
| | | + 50 | 2,509,999,974 | 2,560,000,003 | -12 | -3 | -0.0000005 |
| Battery Endpoint | 3.23 | + 20 | 2,509,999,974 | 2,560,000,001 | -11 | -4 | -0.0000004 |

Table 7-144. LTE Band 7 Frequency Stability Data

| | | | |
|--|---|----------------------------|---------------------------------|
| FCC ID: BCGA2568 |  PART 27 MEASUREMENT REPORT | | Approved by: Quality Manager |
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Frequency Stability / Temperature Variation

LTE Band 41

| | |
|------------------------------|---------------|
| Low Channel Frequency (Hz): | 2,506,000,000 |
| High Channel Frequency (Hz): | 2,580,000,000 |
| 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 | 2,505,999,980 | 2,579,999,981 | -10 | -8 | -0.0000004 |
| | | - 20 | 2,505,999,981 | 2,579,999,980 | -9 | -9 | -0.0000004 |
| | | - 10 | 2,505,999,981 | 2,579,999,981 | -9 | -8 | -0.0000004 |
| | | 0 | 2,505,999,980 | 2,579,999,979 | -10 | -11 | -0.0000004 |
| | | + 10 | 2,505,999,980 | 2,579,999,982 | -10 | -8 | -0.0000004 |
| | | + 20 (Ref) | 2,505,999,990 | 2,579,999,989 | 0 | 0 | 0.0000000 |
| | | + 30 | 2,505,999,979 | 2,579,999,978 | -11 | -12 | -0.0000004 |
| | | + 40 | 2,505,999,979 | 2,579,999,977 | -10 | -12 | -0.0000005 |
| | | + 50 | 2,505,999,979 | 2,579,999,980 | -10 | -9 | -0.0000004 |
| Battery Endpoint | 3.23 | + 20 | 2,505,999,980 | 2,579,999,977 | -10 | -12 | -0.0000005 |

Table 7-145. LTE Band 41 Frequency Stability Data

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

NR Band n30

| | |
|------------------------------|---------------|
| Low Channel Frequency (Hz): | 2,307,500,000 |
| High Channel Frequency (Hz): | 2,312,500,000 |
| 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 | 2,307,425,500 | 2,312,522,150 | -57,350 | 14,400 | -0.0024854 |
| | | - 20 | 2,307,467,300 | 2,312,521,550 | -15,550 | 13,800 | -0.0006739 |
| | | - 10 | 2,307,475,050 | 2,312,521,500 | -7,800 | 13,750 | 0.0005946 |
| | | 0 | 2,307,485,300 | 2,312,517,400 | 2,450 | 9,650 | 0.0004173 |
| | | + 10 | 2,307,476,050 | 2,312,523,050 | -6,800 | 15,300 | 0.0006616 |
| | | + 20 (Ref) | 2,307,482,850 | 2,312,507,750 | 0 | 0 | 0.0000000 |
| | | + 30 | 2,307,469,750 | 2,312,512,950 | -13,100 | 5,200 | -0.0005677 |
| | | + 40 | 2,307,480,050 | 2,312,534,350 | -2,800 | 26,600 | 0.0011503 |
| | | + 50 | 2,307,470,650 | 2,312,519,150 | -12,200 | 11,400 | -0.0005287 |
| Battery Endpoint | 3.23 | + 20 | 2,307,466,100 | 2,312,515,975 | -16,750 | 8,225 | -0.0007259 |

Table 7-146. NR Band n30 Frequency Stability Data

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

NR Band n7

| | |
|------------------------------|---------------|
| Low Channel Frequency (Hz): | 2,510,000,000 |
| High Channel Frequency (Hz): | 2,560,000,000 |
| 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 | 2,510,140,500 | 2,560,000,000 | 126,500 | 30,500 | 0.0050398 |
| | | - 20 | 2,510,147,500 | 2,560,003,000 | 133,500 | 33,500 | 0.0053187 |
| | | - 10 | 2,510,124,500 | 2,559,994,000 | 110,500 | 24,500 | 0.0044024 |
| | | 0 | 2,510,112,500 | 2,559,979,500 | 98,500 | 10,000 | 0.0039243 |
| | | + 10 | 2,510,032,000 | 2,559,940,500 | 18,000 | -29,000 | -0.0011328 |
| | | + 20 (Ref) | 2,510,014,000 | 2,559,969,500 | 0 | 0 | 0.0000000 |
| | | + 30 | 2,509,994,500 | 2,559,928,000 | -19,500 | -41,500 | -0.0016211 |
| | | + 40 | 2,510,040,000 | 2,559,942,500 | 26,000 | -27,000 | -0.0010547 |
| | | + 50 | 2,509,986,500 | 2,559,926,000 | -27,500 | -43,500 | -0.0016992 |
| Battery Endpoint | 3.23 | + 20 | 2,510,029,500 | 2,559,941,475 | 15,500 | -28,025 | -0.0010947 |

Table 7-147. NR Band n7 Frequency Stability Data

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

NR Band n41

| | |
|------------------------------|---------------|
| Low Channel Frequency (Hz): | 2,550,000,000 |
| High Channel Frequency (Hz): | 2,640,000,000 |
| 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 | 2,549,069,000 | 2,641,279,000 | -518,000 | 681,000 | 0.0257896 |
| | | - 20 | 2,549,095,000 | 2,641,238,000 | -492,000 | 640,000 | 0.0242369 |
| | | - 10 | 2,549,133,500 | 2,641,243,000 | -453,500 | 645,000 | 0.0244263 |
| | | 0 | 2,549,167,000 | 2,641,204,000 | -420,000 | 606,000 | 0.0229493 |
| | | + 10 | 2,549,159,500 | 2,641,201,000 | -427,500 | 603,000 | 0.0228357 |
| | | + 20 (Ref) | 2,549,587,000 | 2,640,598,000 | 0 | 0 | 0.0000000 |
| | | + 30 | 2,549,164,000 | 2,641,201,000 | -423,000 | 603,000 | 0.0228357 |
| | | + 40 | 2,549,180,500 | 2,641,188,500 | -406,500 | 590,500 | 0.0223624 |
| | | + 50 | 2,549,178,000 | 2,641,200,000 | -409,000 | 602,000 | 0.0227979 |
| Battery Endpoint | 3.23 | + 20 | 2,549,181,500 | 2,641,157,000 | -405,500 | 559,000 | 0.0211694 |

Table 7-148. NR Band n41 Frequency Stability Data

| | | | |
|---|---|-----------------------------------|--|
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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: BCGA2568** complies with all the requirements of Part 27 of the FCC rules.

| | | | |
|---|---|-----------------------------------|--|
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