


## 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    | $\pi/2$ BPSK | 2510.0          | -2.70           | 1 / 49         | 25.37                 | 22.67      | 0.185        | 33.01            | -10.34      |        |
|           |              | 2593.0          | -2.70           | 1 / 25         | 25.17                 | 22.47      | 0.177        | 33.01            | -10.54      |        |
|           |              | 2680.0          | -2.70           | 1 / 49         | 25.63                 | 22.93      | 0.196        | 33.01            | -10.08      |        |
|           | QPSK         | 2510.0          | -2.70           | 1 / 49         | 25.11                 | 22.41      | 0.174        | 33.01            | -10.60      |        |
|           |              | 2593.0          | -2.70           | 1 / 49         | 25.70                 | 23.00      | 0.200        | 33.01            | -10.01      |        |
|           |              | 2680.0          | -2.70           | 1 / 49         | 25.15                 | 22.45      | 0.176        | 33.01            | -10.56      |        |
|           | 16-QAM       | 2593.0          | -2.70           | 1 / 49         | 24.52                 | 21.82      | 0.152        | 33.01            | -11.19      |        |
|           |              | 64-QAM          | 2680.0          | -2.70          | 1 / 49                | 23.06      | 20.36        | 0.109            | 33.01       | -12.65 |
|           | 256-QAM      | 2510.0          | -2.70           | 1 / 49         | 20.66                 | 17.96      | 0.063        | 33.01            | -15.05      |        |
|           | 30 MHz       | $\pi/2$ BPSK    | 2515.0          | -2.70          | 1 / 39                | 25.12      | 22.42        | 0.174            | 33.01       | -10.59 |
|           |              |                 | 2593.0          | -2.70          | 1 / 39                | 25.22      | 22.52        | 0.179            | 33.01       | -10.49 |
|           |              |                 | 2675.0          | -2.70          | 1 / 1                 | 25.54      | 22.84        | 0.192            | 33.01       | -10.17 |
| QPSK      |              | 2515.0          | -2.70           | 1 / 76         | 25.28                 | 22.58      | 0.181        | 33.01            | -10.43      |        |
|           |              | 2593.0          | -2.70           | 1 / 39         | 25.32                 | 22.62      | 0.183        | 33.01            | -10.39      |        |
|           |              | 2675.0          | -2.70           | 1 / 76         | 25.70                 | 23.00      | 0.200        | 33.01            | -10.01      |        |
| 16-QAM    |              | 2593.0          | -2.70           | 1 / 76         | 24.81                 | 22.11      | 0.163        | 33.01            | -10.90      |        |
|           |              | 64-QAM          | 2593.0          | -2.70          | 1 / 39                | 23.10      | 20.40        | 0.110            | 33.01       | -12.61 |
| 256-QAM   |              | 2675.0          | -2.70           | 1 / 1          | 21.17                 | 18.47      | 0.070        | 33.01            | -14.54      |        |
| 40 MHz    | $\pi/2$ BPSK | 2520.0          | -2.70           | 1 / 53         | 25.57                 | 22.87      | 0.194        | 33.01            | -10.14      |        |
|           |              | 2593.0          | -2.70           | 1 / 39         | 25.28                 | 22.58      | 0.181        | 33.01            | -10.43      |        |
|           |              | 2670.0          | -2.70           | 1 / 104        | 25.70                 | 23.00      | 0.200        | 33.01            | -10.01      |        |
|           | QPSK         | 2520.0          | -2.70           | 1 / 53         | 25.33                 | 22.63      | 0.183        | 33.01            | -10.38      |        |
|           |              | 2593.0          | -2.70           | 1 / 1          | 25.45                 | 22.75      | 0.188        | 33.01            | -10.26      |        |
|           |              | 2670.0          | -2.70           | 1 / 39         | 25.42                 | 22.72      | 0.187        | 33.01            | -10.29      |        |
|           | 16-QAM       | 2670.0          | -2.70           | 1 / 104        | 24.83                 | 22.13      | 0.163        | 33.01            | -10.88      |        |
|           |              | 64-QAM          | 2670.0          | -2.70          | 1 / 1                 | 23.13      | 20.43        | 0.110            | 33.01       | -12.58 |
|           |              | 256-QAM         | 2670.0          | -2.70          | 1 / 104               | 21.30      | 18.60        | 0.072            | 33.01       | -14.41 |
|           | 50 MHz       | $\pi/2$ BPSK    | 2525.0          | -2.70          | 1 / 131               | 25.70      | 23.00        | 0.200            | 33.01       | -10.01 |
|           |              |                 | 2593.0          | -2.70          | 1 / 131               | 25.53      | 22.83        | 0.192            | 33.01       | -10.18 |
|           |              |                 | 2665.0          | -2.70          | 1 / 1                 | 25.58      | 22.88        | 0.194            | 33.01       | -10.13 |
| QPSK      |              | 2525.0          | -2.70           | 1 / 131        | 25.32                 | 22.62      | 0.183        | 33.01            | -10.39      |        |
|           |              | 2593.0          | -2.70           | 1 / 131        | 25.31                 | 22.61      | 0.182        | 33.01            | -10.40      |        |
|           |              | 2665.0          | -2.70           | 1 / 1          | 25.46                 | 22.76      | 0.189        | 33.01            | -10.25      |        |
| 16-QAM    |              | 2593.0          | -2.70           | 1 / 1          | 24.94                 | 22.24      | 0.168        | 33.01            | -10.77      |        |
|           |              | 64-QAM          | 2593.0          | -2.70          | 1 / 1                 | 23.08      | 20.38        | 0.109            | 33.01       | -12.63 |
|           |              | 256-QAM         | 2593.0          | -2.70          | 1 / 66                | 20.96      | 18.26        | 0.067            | 33.01       | -14.75 |
| 60 MHz    |              | $\pi/2$ BPSK    | 2530.0          | -2.70          | 1 / 81                | 25.25      | 22.55        | 0.180            | 33.01       | -10.46 |
|           |              |                 | 2593.0          | -2.70          | 1 / 81                | 25.70      | 23.00        | 0.200            | 33.01       | -10.01 |
|           |              |                 | 2660.0          | -2.70          | 1 / 160               | 25.44      | 22.74        | 0.188            | 33.01       | -10.27 |
|           | QPSK         | 2530.0          | -2.70           | 1 / 81         | 25.46                 | 22.76      | 0.189        | 33.01            | -10.25      |        |
|           |              | 2593.0          | -2.70           | 1 / 81         | 25.53                 | 22.83      | 0.192        | 33.01            | -10.18      |        |
|           |              | 2660.0          | -2.70           | 1 / 81         | 25.36                 | 22.66      | 0.184        | 33.01            | -10.35      |        |
| 70 MHz    | 16-QAM       | 2593.0          | -2.70           | 1 / 1          | 24.84                 | 22.14      | 0.164        | 33.01            | -10.87      |        |
|           |              | 64-QAM          | 2660.0          | -2.70          | 1 / 160               | 23.07      | 20.37        | 0.109            | 33.01       | -12.64 |
|           |              | 256-QAM         | 2593.0          | -2.70          | 1 / 81                | 21.01      | 18.31        | 0.068            | 33.01       | -14.70 |
|           | $\pi/2$ BPSK | 2535.0          | -2.70           | 1 / 187        | 25.21                 | 22.51      | 0.178        | 33.01            | -10.50      |        |
|           |              | 2593.0          | -2.70           | 1 / 90         | 25.36                 | 22.66      | 0.184        | 33.01            | -10.35      |        |
|           |              | 2655.0          | -2.70           | 1 / 187        | 25.53                 | 22.83      | 0.192        | 33.01            | -10.18      |        |
|           | QPSK         | 2535.0          | -2.70           | 1 / 187        | 25.70                 | 23.00      | 0.200        | 33.01            | -10.01      |        |
|           |              | 2593.0          | -2.70           | 1 / 187        | 25.70                 | 23.00      | 0.200        | 33.01            | -10.01      |        |
|           |              | 2655.0          | -2.70           | 1 / 90         | 25.44                 | 22.74      | 0.188        | 33.01            | -10.27      |        |
|           | 16-QAM       | 2593.0          | -2.70           | 1 / 187        | 24.93                 | 22.23      | 0.167        | 33.01            | -10.78      |        |
|           |              | 64-QAM          | 2655.0          | -2.70          | 1 / 1                 | 23.20      | 20.50        | 0.112            | 33.01       | -12.51 |
|           |              | 256-QAM         | 2593.0          | -2.70          | 1 / 187               | 21.32      | 18.62        | 0.073            | 33.01       | -14.39 |
| 80 MHz    | $\pi/2$ BPSK | 2540.0          | -2.70           | 1 / 215        | 25.26                 | 22.56      | 0.180        | 33.01            | -10.45      |        |
|           |              | 2593.0          | -2.70           | 1 / 108        | 25.54                 | 22.84      | 0.192        | 33.01            | -10.17      |        |
|           |              | 2650.0          | -2.70           | 1 / 108        | 25.63                 | 22.93      | 0.196        | 33.01            | -10.08      |        |
|           | QPSK         | 2540.0          | -2.70           | 1 / 215        | 25.46                 | 22.76      | 0.189        | 33.01            | -10.25      |        |
|           |              | 2593.0          | -2.70           | 1 / 215        | 25.69                 | 22.99      | 0.199        | 33.01            | -10.02      |        |
|           |              | 2650.0          | -2.70           | 1 / 108        | 25.70                 | 23.00      | 0.200        | 33.01            | -10.01      |        |
|           | 16-QAM       | 2650.0          | -2.70           | 1 / 108        | 24.83                 | 22.13      | 0.163        | 33.01            | -10.88      |        |
|           |              | 64-QAM          | 2650.0          | -2.70          | 1 / 1                 | 23.28      | 20.58        | 0.114            | 33.01       | -12.43 |
|           |              | 256-QAM         | 2650.0          | -2.70          | 1 / 215               | 21.20      | 18.50        | 0.071            | 33.01       | -14.51 |
|           | $\pi/2$ BPSK | 2545.0          | -2.70           | 1 / 243        | 25.02                 | 22.32      | 0.170        | 33.01            | -10.69      |        |
|           |              | 2593.0          | -2.70           | 1 / 1          | 25.66                 | 22.96      | 0.198        | 33.01            | -10.05      |        |
|           |              | 2645.0          | -2.70           | 1 / 122        | 25.62                 | 22.92      | 0.196        | 33.01            | -10.09      |        |
| 90 MHz    | QPSK         | 2545.0          | -2.70           | 1 / 243        | 24.85                 | 22.15      | 0.164        | 33.01            | -10.86      |        |
|           |              | 2593.0          | -2.70           | 1 / 1          | 25.70                 | 23.00      | 0.200        | 33.01            | -10.01      |        |
|           |              | 2645.0          | -2.70           | 1 / 122        | 25.66                 | 22.96      | 0.198        | 33.01            | -10.05      |        |
|           | 16-QAM       | 2645.0          | -2.70           | 1 / 1          | 24.92                 | 22.22      | 0.167        | 33.01            | -10.79      |        |
|           |              | 64-QAM          | 2645.0          | -2.70          | 1 / 122               | 23.42      | 20.72        | 0.118            | 33.01       | -12.29 |
|           |              | 256-QAM         | 2593.0          | -2.70          | 1 / 1                 | 21.04      | 18.34        | 0.068            | 33.01       | -14.67 |
| 100 MHz   | $\pi/2$ BPSK | 2550.0          | -2.70           | 1 / 271        | 25.55                 | 22.85      | 0.193        | 33.01            | -10.16      |        |
|           |              | 2593.0          | -2.70           | 1 / 271        | 25.59                 | 22.89      | 0.195        | 33.01            | -10.12      |        |
|           |              | 2640.0          | -2.70           | 1 / 271        | 25.60                 | 22.90      | 0.195        | 33.01            | -10.11      |        |
|           | QPSK         | 2550.0          | -2.70           | 1 / 1          | 25.50                 | 22.80      | 0.191        | 33.01            | -10.21      |        |
|           |              | 2593.0          | -2.70           | 1 / 271        | 25.14                 | 22.44      | 0.175        | 33.01            | -10.57      |        |
|           |              | 2640.0          | -2.70           | 1 / 1          | 25.37                 | 22.67      | 0.185        | 33.01            | -10.34      |        |
|           | 16-QAM       | 2550.0          | -2.70           | 1 / 271        | 24.23                 | 21.53      | 0.142        | 33.01            | -11.48      |        |
|           |              | 64-QAM          | 2640.0          | -2.70          | 1 / 271               | 23.49      | 20.79        | 0.120            | 33.01       | -12.22 |
|           |              | 256-QAM         | 2550.0          | -2.70          | 1 / 271               | 24.67      | 21.97        | 0.158            | 33.01       | -11.04 |

Table 7-32. Antenna 3 EIRP Data (NR Band n41 PC3)

|  |   |                            |                                   |
|--|---|----------------------------|-----------------------------------|
| FCC ID: BCGA2435                           |  | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-04-R2.BCG | Test Dates:<br>6/1/2022 – 9/12/2022   | EUT Type:<br>Tablet Device | Page 209 of 274                   |

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## 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            | 25.13                | -2.70           | 22.43      | 0.175        | 33.01            | -10.58      |
|             |        |                       |            | 21100      | 2535.0       | 1       | 99           |            | 21298      | 2554.8       | 1       | 0            | 25.04                | -2.70           | 22.34      | 0.171        | 33.01            | -10.67      |
|             |        |                       | QPSK       | 21350      | 2560.0       | 1       | 0            | QPSK       | 21552      | 2540.2       | 1       | 99           | 25.94                | -2.70           | 22.34      | 0.171        | 33.01            | -10.67      |
|             |        |                       |            | 20850      | 2510         | 100     | 0            |            | 21048      | 2529.8       | 100     | 0            | 23.36                | -2.70           | 20.66      | 0.116        | 33.01            | -12.35      |
|             |        |                       | 16-QAM     | 20850      | 2510         | 100     | 0            | 16-QAM     | 21048      | 2529.8       | 100     | 0            | 22.37                | -2.70           | 19.67      | 0.093        | 33.01            | -13.34      |
|             |        |                       | 64-QAM     | 20850      | 2510         | 100     | 0            | 64-QAM     | 21048      | 2529.8       | 100     | 0            | 22.24                | -2.70           | 19.54      | 0.090        | 33.01            | -13.47      |
|             |        |                       | 256-QAM    | 20850      | 2510         | 100     | 0            | 256-QAM    | 21048      | 2529.8       | 100     | 0            | 20.21                | -2.70           | 17.51      | 0.056        | 33.01            | -15.50      |

Table 7-33. Antenna 3 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               | 26.97      | -2.70        | 24.27            | 0.267       | 33.01   | -8.74        |
|             |               |                       |            | 40620      | 2593.0       | 1       | 99           |            | 40818      | 2612.8       | 1                    | 0               | 26.92      | -2.70        | 24.22            | 0.264       | 33.01   | -8.79        |
|             |               |                       |            | 41490      | 2680.0       | 1       | 0            |            | 41292      | 2660.2       | 1                    | 99              | 27.08      | -2.70        | 24.38            | 0.274       | 33.01   | -8.63        |
|             |               |                       | 16-QAM     | 41490      | 2680         | 100     | 0            | QPSK       | 41292      | 2660.2       | 100                  | 0               | 25.33      | -2.70        | 22.63            | 0.183       | 33.01   | -10.38       |
|             |               |                       |            | 41490      | 2680         | 100     | 0            | 16-QAM     | 41292      | 2660.2       | 100                  | 0               | 24.37      | -2.70        | 21.67            | 0.147       | 33.01   | -11.34       |
|             |               |                       |            | 64-QAM     | 41490        | 2680    | 100          | 0          | 64-QAM     | 41292        | 2660.2               | 100             | 0          | 24.20        | -2.70            | 21.50       | 0.141   | 33.01        |
|             |               |                       | 256-QAM    | 41490      | 2680         | 100     | 0            | 256-QAM    | 41292      | 2660.2       | 100                  | 0               | 22.35      | -2.70        | 19.65            | 0.092       | 33.01   | -13.36       |
|             |               |                       |            | 41490      | 2680         | 100     | 0            | 256-QAM    | 41292      | 2660.2       | 100                  | 0               | 22.35      | -2.70        | 19.65            | 0.092       | 33.01   | -13.36       |

Table 7-34. Antenna 3 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               | 25.60      | -2.70        | 22.90            | 0.195       | 33.01   | -10.11       |
|             |               |                       |            | 40620      | 2593.0       | 1       | 99           |            | 40818      | 2612.8       | 1                    | 0               | 25.64      | -2.70        | 22.94            | 0.197       | 33.01   | -10.07       |
|             |               |                       |            | 41490      | 2680.0       | 1       | 0            |            | 41292      | 2660.2       | 1                    | 99              | 25.46      | -2.70        | 22.76            | 0.189       | 33.01   | -10.25       |
|             |               |                       | QPSK       | 40620      | 2593         | 100     | 0            | QPSK       | 40818      | 2612.8       | 100                  | 0               | 23.71      | -2.70        | 21.01            | 0.126       | 33.01   | -12.00       |
|             |               |                       | 16-QAM     | 40620      | 2593         | 100     | 0            | 16-QAM     | 40818      | 2612.8       | 100                  | 0               | 22.79      | -2.70        | 20.09            | 0.102       | 33.01   | -12.92       |
|             |               |                       | 64-QAM     | 40620      | 2593         | 100     | 0            | 64-QAM     | 40818      | 2612.8       | 100                  | 0               | 22.71      | -2.70        | 20.01            | 0.100       | 33.01   | -13.00       |
|             |               |                       | 256-QAM    | 40620      | 2593         | 100     | 0            | 256-QAM    | 40818      | 2612.8       | 100                  | 0               | 20.73      | -2.70        | 18.03            | 0.064       | 33.01   | -14.98       |
|             |               |                       |            |            |              |         |              |            |            |              |                      |                 |            |              |                  |             |         |              |

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

|  |   |                            |                                   |
|--|---|----------------------------|-----------------------------------|
| FCC ID: BCGA2435                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-04-R2.BCG | Test Dates:<br>6/1/2022 – 9/12/2022   | EUT Type:<br>Tablet Device | Page 210 of 274                   |

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## 7.6.4 Antenna 2b – 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          | 0.70            | 1 / 12         | 22.03                 | 22.73        | 0.187        | 23.98            | -1.25       |
|           |         | 2310.0          | 0.70            | 1 / 12         | 21.90                 | 22.60        | 0.182        | 23.98            | -1.38       |
|           |         | 2312.5          | 0.70            | 1 / 12         | 22.20                 | <b>22.90</b> | 0.195        | 23.98            | -1.08       |
|           | 16-QAM  | 2312.5          | 0.70            | 1 / 12         | 21.34                 | 22.04        | 0.160        | 23.98            | -1.94       |
|           | 64-QAM  | 2310.0          | 0.70            | 1 / 12         | 20.52                 | 21.22        | 0.132        | 23.98            | -2.76       |
|           | 256-QAM | 2312.5          | 0.70            | 1 / 12         | 17.36                 | 18.06        | 0.064        | 23.98            | -5.92       |
| 10 MHz    | QPSK    | 2310.0          | 0.70            | 1 / 25         | 22.20                 | <b>22.90</b> | 0.195        | 23.98            | -1.08       |
|           | 16-QAM  | 2310.0          | 0.70            | 1 / 25         | 21.56                 | 22.26        | 0.168        | 23.98            | -1.72       |
|           | 64-QAM  | 2310.0          | 0.70            | 1 / 25         | 20.66                 | 21.36        | 0.137        | 23.98            | -2.62       |
|           | 256-QAM | 2310.0          | 0.70            | 1 / 25         | 17.60                 | 18.30        | 0.068        | 23.98            | -5.68       |

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

|  |   |                            |                                   |
|--|---|----------------------------|-----------------------------------|
| FCC ID: BCGA2435                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-04-R2.BCG | Test Dates:<br>6/1/2022 – 9/12/2022   | EUT Type:<br>Tablet Device | Page 211 of 274                   |


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## 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          | 0.00            | 1 / 12         | 22.16                 | <b>22.16</b> | 0.164        | 33.01            | -10.85      |
|           |         | 2535.0          | 0.00            | 1 / 12         | 22.02                 | 22.02        | 0.159        | 33.01            | -10.99      |
|           |         | 2567.5          | 0.00            | 1 / 12         | 22.20                 | <b>22.20</b> | 0.166        | 33.01            | -10.81      |
|           | 16-QAM  | 2535.0          | 0.00            | 1 / 12         | 21.43                 | 21.43        | 0.139        | 33.01            | -11.58      |
|           | 64-QAM  | 2502.5          | 0.00            | 1 / 12         | 20.44                 | 20.44        | 0.111        | 33.01            | -12.57      |
|           | 256-QAM | 2567.5          | 0.00            | 1 / 24         | 17.61                 | 17.61        | 0.058        | 33.01            | -15.40      |
| 10 MHz    | QPSK    | 2505.0          | 0.00            | 1 / 25         | 22.20                 | <b>22.20</b> | 0.166        | 33.01            | -10.81      |
|           |         | 2535.0          | 0.00            | 1 / 25         | 22.02                 | 22.02        | 0.159        | 33.01            | -10.99      |
|           |         | 2565.0          | 0.00            | 1 / 25         | 22.06                 | 22.06        | 0.161        | 33.01            | -10.95      |
|           | 16-QAM  | 2565.0          | 0.00            | 1 / 25         | 21.44                 | 21.44        | 0.139        | 33.01            | -11.57      |
|           | 64-QAM  | 2565.0          | 0.00            | 1 / 49         | 20.69                 | 20.69        | 0.117        | 33.01            | -12.32      |
|           | 256-QAM | 2505.0          | 0.00            | 1 / 25         | 17.34                 | 17.34        | 0.054        | 33.01            | -15.67      |
| 15 MHz    | QPSK    | 2507.5          | 0.00            | 1 / 37         | 22.20                 | <b>22.20</b> | 0.166        | 33.01            | -10.81      |
|           |         | 2535.0          | 0.00            | 1 / 74         | 22.15                 | 22.15        | 0.164        | 33.01            | -10.86      |
|           |         | 2562.5          | 0.00            | 1 / 74         | 22.03                 | 22.03        | 0.160        | 33.01            | -10.98      |
|           | 16-QAM  | 2562.5          | 0.00            | 1 / 37         | 21.55                 | 21.55        | 0.143        | 33.01            | -11.46      |
|           | 64-QAM  | 2562.5          | 0.00            | 1 / 74         | 20.33                 | 20.33        | 0.108        | 33.01            | -12.68      |
|           | 256-QAM | 2535.0          | 0.00            | 1 / 37         | 17.56                 | 17.56        | 0.057        | 33.01            | -15.45      |
| 20 MHz    | QPSK    | 2510.0          | 0.00            | 1 / 99         | 22.05                 | 22.05        | 0.160        | 33.01            | -10.96      |
|           |         | 2535.0          | 0.00            | 1 / 99         | 22.16                 | 22.16        | 0.164        | 33.01            | -10.85      |
|           |         | 2560.0          | 0.00            | 1 / 99         | 22.20                 | <b>22.20</b> | 0.166        | 33.01            | -10.81      |
|           | 16-QAM  | 2535.0          | 0.00            | 1 / 50         | 21.58                 | 21.58        | 0.144        | 33.01            | -11.43      |
|           | 64-QAM  | 2560.0          | 0.00            | 1 / 50         | 20.54                 | 20.54        | 0.113        | 33.01            | -12.47      |
|           | 256-QAM | 2535.0          | 0.00            | 1 / 50         | 17.39                 | 17.39        | 0.055        | 33.01            | -15.62      |

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

|  |   |                            |                                   |
|--|---|----------------------------|-----------------------------------|
| FCC ID: BCGA2435                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-04-R2.BCG | Test Dates:<br>6/1/2022 – 9/12/2022   | EUT Type:<br>Tablet Device | Page 212 of 274                   |


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## 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         | 27.82                 | <b>27.52</b> | 0.565        | 33.01            | -5.49       |
|           |         | 2593.0          | -0.30           | 1 / 24         | 28.05                 | 27.75        | 0.596        | 33.01            | -5.26       |
|           |         | 2687.5          | -0.30           | 1 / 12         | 28.20                 | <b>27.90</b> | 0.617        | 33.01            | -5.11       |
|           | 16-QAM  | 2498.5          | -0.30           | 1 / 24         | 27.13                 | 26.83        | 0.482        | 33.01            | -6.18       |
|           | 64-QAM  | 2593.0          | -0.30           | 1 / 0          | 26.19                 | 25.89        | 0.388        | 33.01            | -7.12       |
|           | 256-QAM | 2593.0          | -0.30           | 1 / 0          | 23.18                 | 22.88        | 0.194        | 33.01            | -10.13      |
| 10 MHz    | QPSK    | 2501.0          | -0.30           | 1 / 0          | 28.20                 | <b>27.90</b> | 0.617        | 33.01            | -5.11       |
|           |         | 2593.0          | -0.30           | 1 / 0          | 27.92                 | 27.62        | 0.578        | 33.01            | -5.39       |
|           |         | 2685.0          | -0.30           | 1 / 0          | 27.94                 | 27.64        | 0.581        | 33.01            | -5.37       |
|           | 16-QAM  | 2593.0          | -0.30           | 1 / 25         | 27.11                 | 26.81        | 0.480        | 33.01            | -6.20       |
|           | 64-QAM  | 2501.0          | -0.30           | 1 / 49         | 26.19                 | 25.89        | 0.388        | 33.01            | -7.12       |
|           | 256-QAM | 2593.0          | -0.30           | 1 / 0          | 23.26                 | 22.96        | 0.198        | 33.01            | -10.05      |
| 15 MHz    | QPSK    | 2503.5          | -0.30           | 1 / 74         | 27.83                 | 27.53        | 0.566        | 33.01            | -5.48       |
|           |         | 2593.0          | -0.30           | 1 / 37         | 27.77                 | 27.47        | 0.558        | 33.01            | -5.54       |
|           |         | 2682.5          | -0.30           | 1 / 74         | 28.18                 | <b>27.88</b> | 0.614        | 33.01            | -5.13       |
|           | 16-QAM  | 2593.0          | -0.30           | 1 / 0          | 27.10                 | 26.80        | 0.479        | 33.01            | -6.21       |
|           | 64-QAM  | 2503.5          | -0.30           | 1 / 74         | 26.03                 | 25.73        | 0.374        | 33.01            | -7.28       |
|           | 256-QAM | 2503.5          | -0.30           | 1 / 37         | 23.36                 | 23.06        | 0.202        | 33.01            | -9.95       |
| 20 MHz    | QPSK    | 2506.0          | -0.30           | 1 / 0          | 27.97                 | 27.67        | 0.585        | 33.01            | -5.34       |
|           |         | 2593.0          | -0.30           | 1 / 0          | 28.20                 | <b>27.90</b> | 0.617        | 33.01            | -5.11       |
|           |         | 2680.0          | -0.30           | 1 / 0          | 27.62                 | 27.32        | 0.540        | 33.01            | -5.69       |
|           | 16-QAM  | 2593.0          | -0.30           | 1 / 99         | 27.21                 | 26.91        | 0.491        | 33.01            | -6.10       |
|           | 64-QAM  | 2680.0          | -0.30           | 1 / 0          | 26.21                 | 25.91        | 0.390        | 33.01            | -7.10       |
|           | 256-QAM | 2506.0          | -0.30           | 1 / 99         | 23.20                 | 22.90        | 0.195        | 33.01            | -10.11      |

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

|  |   |                            |                                   |
|--|---|----------------------------|-----------------------------------|
| FCC ID: BCGA2435                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-04-R2.BCG | Test Dates:<br>6/1/2022 – 9/12/2022   | EUT Type:<br>Tablet Device | Page 213 of 274                   |


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## 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         | 25.32                 | <b>25.02</b> | 0.318        | 33.01            | -7.99       |
|           |         | 2593.0          | -0.30           | 1 / 24         | 25.55                 | 25.25        | 0.335        | 33.01            | -7.76       |
|           |         | 2687.5          | -0.30           | 1 / 12         | 25.70                 | <b>25.40</b> | 0.347        | 33.01            | -7.61       |
|           | 16-QAM  | 2498.5          | -0.30           | 1 / 24         | 24.63                 | 24.33        | 0.271        | 33.01            | -8.68       |
|           | 64-QAM  | 2593.0          | -0.30           | 1 / 0          | 23.69                 | 23.39        | 0.218        | 33.01            | -9.62       |
|           | 256-QAM | 2593.0          | -0.30           | 1 / 0          | 20.68                 | 20.38        | 0.109        | 33.01            | -12.63      |
| 10 MHz    | QPSK    | 2501.0          | -0.30           | 1 / 0          | 25.70                 | <b>25.40</b> | 0.347        | 33.01            | -7.61       |
|           |         | 2593.0          | -0.30           | 1 / 0          | 25.42                 | 25.12        | 0.325        | 33.01            | -7.89       |
|           |         | 2685.0          | -0.30           | 1 / 0          | 25.44                 | 25.14        | 0.327        | 33.01            | -7.87       |
|           | 16-QAM  | 2593.0          | -0.30           | 1 / 25         | 24.61                 | 24.31        | 0.270        | 33.01            | -8.70       |
|           | 64-QAM  | 2501.0          | -0.30           | 1 / 49         | 23.69                 | 23.39        | 0.218        | 33.01            | -9.62       |
|           | 256-QAM | 2593.0          | -0.30           | 1 / 0          | 20.76                 | 20.46        | 0.111        | 33.01            | -12.55      |
| 15 MHz    | QPSK    | 2503.5          | -0.30           | 1 / 74         | 25.33                 | 25.03        | 0.318        | 33.01            | -7.98       |
|           |         | 2593.0          | -0.30           | 1 / 37         | 25.27                 | 24.97        | 0.314        | 33.01            | -8.04       |
|           |         | 2682.5          | -0.30           | 1 / 74         | 25.68                 | <b>25.38</b> | 0.345        | 33.01            | -7.63       |
|           | 16-QAM  | 2593.0          | -0.30           | 1 / 0          | 24.60                 | 24.30        | 0.269        | 33.01            | -8.71       |
|           | 64-QAM  | 2503.5          | -0.30           | 1 / 74         | 23.53                 | 23.23        | 0.210        | 33.01            | -9.78       |
|           | 256-QAM | 2503.5          | -0.30           | 1 / 37         | 20.86                 | 20.56        | 0.114        | 33.01            | -12.45      |
| 20 MHz    | QPSK    | 2506.0          | -0.30           | 1 / 0          | 25.47                 | 25.17        | 0.329        | 33.01            | -7.84       |
|           |         | 2593.0          | -0.30           | 1 / 0          | 25.70                 | <b>25.40</b> | 0.347        | 33.01            | -7.61       |
|           |         | 2680.0          | -0.30           | 1 / 0          | 25.12                 | 24.82        | 0.303        | 33.01            | -8.19       |
|           | 16-QAM  | 2593.0          | -0.30           | 1 / 99         | 24.71                 | 24.41        | 0.276        | 33.01            | -8.60       |
|           | 64-QAM  | 2680.0          | -0.30           | 1 / 0          | 23.71                 | 23.41        | 0.219        | 33.01            | -9.60       |
|           | 256-QAM | 2506.0          | -0.30           | 1 / 99         | 20.70                 | 20.40        | 0.110        | 33.01            | -12.61      |

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

|  |   |                            |                                   |
|--|---|----------------------------|-----------------------------------|
| FCC ID: BCGA2435                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-04-R2.BCG | Test Dates:<br>6/1/2022 – 9/12/2022   | EUT Type:<br>Tablet Device | Page 214 of 274                   |


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## 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          | 0.70            | 1 / 12         | 22.04                 | <b>22.74</b> | 0.188        | 23.98            | -1.24       |
|           |              | 2310.0          | 0.70            | 1 / 23         | 22.00                 | 22.70        | 0.186        | 23.98            | -1.28       |
|           |              | 2312.5          | 0.70            | 1 / 23         | 21.97                 | 22.67        | 0.185        | 23.98            | -1.31       |
|           | QPSK         | 2307.5          | 0.70            | 1 / 12         | 22.20                 | <b>22.90</b> | 0.195        | 23.98            | -1.08       |
|           |              | 2310.0          | 0.70            | 1 / 23         | 21.99                 | 22.69        | 0.186        | 23.98            | -1.29       |
|           |              | 2312.5          | 0.70            | 1 / 1          | 22.14                 | 22.84        | 0.192        | 23.98            | -1.14       |
|           | 16-QAM       | 2312.5          | 0.70            | 1 / 12         | 21.17                 | 21.87        | 0.154        | 23.98            | -2.11       |
| 10 MHz    | 64-QAM       | 2312.5          | 0.70            | 1 / 1          | 19.70                 | 20.40        | 0.110        | 23.98            | -3.58       |
|           | 256-QAM      | 2307.5          | 0.70            | 1 / 12         | 17.83                 | 18.53        | 0.071        | 23.98            | -5.45       |
|           | $\pi/2$ BPSK | 2310.0          | 0.70            | 1 / 1          | 22.20                 | <b>22.90</b> | 0.195        | 23.98            | -1.08       |
|           | QPSK         | 2310.0          | 0.70            | 1 / 1          | 22.02                 | 22.72        | 0.187        | 23.98            | -1.26       |
|           | 16-QAM       | 2310.0          | 0.70            | 1 / 25         | 21.17                 | 21.87        | 0.154        | 23.98            | -2.11       |
|           | 64-QAM       | 2310.0          | 0.70            | 1 / 50         | 19.72                 | 20.42        | 0.110        | 23.98            | -3.56       |
|           | 256-QAM      | 2310.0          | 0.70            | 1 / 1          | 17.26                 | 17.96        | 0.063        | 23.98            | -6.02       |

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

|  |   |                            |                                   |
|--|---|----------------------------|-----------------------------------|
| FCC ID: BCGA2435                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-04-R2.BCG | Test Dates:<br>6/1/2022 – 9/12/2022   | EUT Type:<br>Tablet Device | Page 215 of 274                   |


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## 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     | $\pi/2$ BPSK | 2502.5          | 0.00            | 1 / 12         | 21.96                 | <b>21.96</b> | 0.157        | 33.01            | -11.05      |
|           |              | 2535.0          | 0.00            | 1 / 1          | 21.60                 | 21.60        | 0.145        | 33.01            | -11.41      |
|           |              | 2567.5          | 0.00            | 1 / 23         | 21.91                 | 21.91        | 0.155        | 33.01            | -11.10      |
|           | QPSK         | 2502.5          | 0.00            | 1 / 23         | 22.20                 | <b>22.20</b> | 0.166        | 33.01            | -10.81      |
|           |              | 2535.0          | 0.00            | 1 / 23         | 21.67                 | 21.67        | 0.147        | 33.01            | -11.34      |
|           |              | 2567.5          | 0.00            | 1 / 23         | 21.81                 | 21.81        | 0.152        | 33.01            | -11.20      |
|           | 16-QAM       | 2502.5          | 0.00            | 1 / 12         | 20.95                 | 20.95        | 0.124        | 33.01            | -12.06      |
|           | 64-QAM       | 2567.5          | 0.00            | 1 / 23         | 19.51                 | 19.51        | 0.089        | 33.01            | -13.50      |
| 10 MHz    | $\pi/2$ BPSK | 2502.5          | 0.00            | 1 / 23         | 17.45                 | 17.45        | 0.056        | 33.01            | -15.56      |
|           |              | 2505.0          | 0.00            | 1 / 50         | 22.16                 | 22.16        | 0.165        | 33.01            | -10.85      |
|           |              | 2535.0          | 0.00            | 1 / 1          | 22.20                 | <b>22.20</b> | 0.166        | 33.01            | -10.81      |
|           | QPSK         | 2565.0          | 0.00            | 1 / 50         | 22.07                 | 22.07        | 0.161        | 33.01            | -10.94      |
|           |              | 2505.0          | 0.00            | 1 / 1          | 22.10                 | 22.10        | 0.162        | 33.01            | -10.91      |
|           |              | 2535.0          | 0.00            | 1 / 1          | 21.80                 | 21.80        | 0.151        | 33.01            | -11.21      |
|           | 16-QAM       | 2565.0          | 0.00            | 1 / 25         | 21.96                 | 21.96        | 0.157        | 33.01            | -11.05      |
|           |              | 2505.0          | 0.00            | 1 / 50         | 21.31                 | 21.31        | 0.135        | 33.01            | -11.70      |
| 15 MHz    | $\pi/2$ BPSK | 2535.0          | 0.00            | 1 / 25         | 20.17                 | 20.17        | 0.104        | 33.01            | -12.84      |
|           |              | 2565.0          | 0.00            | 1 / 50         | 17.69                 | 17.69        | 0.059        | 33.01            | -15.32      |
|           |              | 2507.5          | 0.00            | 1 / 73         | 22.03                 | 22.03        | 0.160        | 33.01            | -10.98      |
|           | QPSK         | 2535.0          | 0.00            | 1 / 1          | 22.00                 | 22.00        | 0.159        | 33.01            | -11.01      |
|           |              | 2562.5          | 0.00            | 1 / 37         | 21.80                 | 21.80        | 0.151        | 33.01            | -11.21      |
|           |              | 2507.5          | 0.00            | 1 / 37         | 22.20                 | <b>22.20</b> | 0.166        | 33.01            | -10.81      |
|           | 16-QAM       | 2535.0          | 0.00            | 1 / 1          | 22.01                 | 22.01        | 0.159        | 33.01            | -11.00      |
|           |              | 2562.5          | 0.00            | 1 / 73         | 22.11                 | 22.11        | 0.162        | 33.01            | -10.90      |
| 20 MHz    | $\pi/2$ BPSK | 2507.5          | 0.00            | 1 / 37         | 21.45                 | 21.45        | 0.140        | 33.01            | -11.56      |
|           |              | 2535.0          | 0.00            | 1 / 73         | 19.71                 | 19.71        | 0.093        | 33.01            | -13.30      |
|           |              | 2562.5          | 0.00            | 1 / 1          | 17.76                 | 17.76        | 0.060        | 33.01            | -15.25      |
|           | QPSK         | 2510.0          | 0.00            | 1 / 1          | 22.07                 | 22.07        | 0.161        | 33.01            | -10.94      |
|           |              | 2535.0          | 0.00            | 1 / 98         | 22.05                 | 22.05        | 0.160        | 33.01            | -10.96      |
|           |              | 2560.0          | 0.00            | 1 / 50         | 22.07                 | 22.07        | 0.161        | 33.01            | -10.94      |
|           | 16-QAM       | 2510.0          | 0.00            | 1 / 1          | 22.20                 | <b>22.20</b> | 0.166        | 33.01            | -10.81      |
|           |              | 2535.0          | 0.00            | 1 / 1          | 22.09                 | 22.09        | 0.162        | 33.01            | -10.92      |
| 25 MHz    | $\pi/2$ BPSK | 2560.0          | 0.00            | 1 / 1          | 21.94                 | 21.94        | 0.156        | 33.01            | -11.07      |
|           |              | 2510.0          | 0.00            | 1 / 1          | 21.39                 | 21.39        | 0.138        | 33.01            | -11.62      |
|           |              | 2535.0          | 0.00            | 1 / 98         | 20.25                 | 20.25        | 0.106        | 33.01            | -12.76      |
|           | QPSK         | 2560.0          | 0.00            | 1 / 1          | 17.84                 | 17.84        | 0.061        | 33.01            | -15.17      |
|           |              | 2512.5          | 0.00            | 1 / 1          | 22.18                 | 22.18        | 0.165        | 33.01            | -10.83      |
|           |              | 2535.0          | 0.00            | 1 / 1          | 21.89                 | 21.89        | 0.155        | 33.01            | -11.12      |
|           | 16-QAM       | 2557.5          | 0.00            | 1 / 66         | 21.83                 | 21.83        | 0.152        | 33.01            | -11.18      |
|           |              | 2512.5          | 0.00            | 1 / 66         | 22.14                 | 22.14        | 0.164        | 33.01            | -10.87      |
| 30 MHz    | $\pi/2$ BPSK | 2535.0          | 0.00            | 1 / 1          | 22.20                 | <b>22.20</b> | 0.166        | 33.01            | -10.81      |
|           |              | 2557.5          | 0.00            | 1 / 1          | 22.05                 | 22.05        | 0.160        | 33.01            | -10.96      |
|           |              | 2512.5          | 0.00            | 1 / 1          | 21.57                 | 21.57        | 0.143        | 33.01            | -11.44      |
|           | QPSK         | 2557.5          | 0.00            | 1 / 66         | 20.13                 | 20.13        | 0.103        | 33.01            | -12.88      |
|           |              | 2512.5          | 0.00            | 1 / 1          | 17.94                 | 17.94        | 0.062        | 33.01            | -15.07      |
|           |              | 2515.0          | 0.00            | 1 / 1          | 22.05                 | 22.05        | 0.160        | 33.01            | -10.96      |
|           | 16-QAM       | 2535.0          | 0.00            | 1 / 80         | 21.94                 | 21.94        | 0.156        | 33.01            | -11.07      |
|           |              | 2555.0          | 0.00            | 1 / 1          | 21.99                 | 21.99        | 0.158        | 33.01            | -11.02      |
| 40 MHz    | $\pi/2$ BPSK | 2515.0          | 0.00            | 1 / 158        | 22.02                 | 22.02        | 0.159        | 33.01            | -10.99      |
|           |              | 2535.0          | 0.00            | 1 / 1          | 21.66                 | 21.66        | 0.147        | 33.01            | -11.35      |
|           |              | 2555.0          | 0.00            | 1 / 1          | 22.20                 | <b>22.20</b> | 0.166        | 33.01            | -10.81      |
|           | QPSK         | 2515.0          | 0.00            | 1 / 1          | 21.52                 | 21.52        | 0.142        | 33.01            | -11.49      |
|           |              | 2555.0          | 0.00            | 1 / 80         | 19.78                 | 19.78        | 0.095        | 33.01            | -13.23      |
|           |              | 2515.0          | 0.00            | 1 / 1          | 17.62                 | 17.62        | 0.058        | 33.01            | -15.39      |
|           | 16-QAM       | 2520.0          | 0.00            | 1 / 108        | 21.95                 | 21.95        | 0.157        | 33.01            | -11.06      |
|           |              | 2535.0          | 0.00            | 1 / 1          | 22.11                 | 22.11        | 0.163        | 33.01            | -10.90      |
| 5 MHz     | $\pi/2$ BPSK | 2550.0          | 0.00            | 1 / 108        | 21.98                 | 21.98        | 0.158        | 33.01            | -11.03      |
|           |              | 2520.0          | 0.00            | 1 / 214        | 21.96                 | 21.96        | 0.157        | 33.01            | -11.05      |
|           |              | 2535.0          | 0.00            | 1 / 214        | 22.17                 | <b>22.17</b> | 0.165        | 33.01            | -10.84      |
|           | QPSK         | 2550.0          | 0.00            | 1 / 1          | 22.10                 | 22.10        | 0.162        | 33.01            | -10.91      |
|           |              | 2520.0          | 0.00            | 1 / 1          | 21.24                 | 21.24        | 0.133        | 33.01            | -11.77      |
|           |              | 2520.0          | 0.00            | 1 / 1          | 19.85                 | 19.85        | 0.097        | 33.01            | -13.16      |
|           | 16-QAM       | 2520.0          | 0.00            | 1 / 108        | 17.67                 | 17.67        | 0.059        | 33.01            | -15.34      |
|           |              | 2520.0          | 0.00            | 1 / 108        | 17.67                 | 17.67        | 0.059        | 33.01            | -15.34      |

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


|  |   |                            |                                   |
|--|---|----------------------------|-----------------------------------|
| FCC ID: BCGA2435                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-04-R2.BCG | Test Dates:<br>6/1/2022 – 9/12/2022   | EUT Type:<br>Tablet Device | Page 216 of 274                   |

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## 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    | $\pi/2$ BPSK | 2506.0          | -0.30           | 1 / 1          | 27.57                 | <b>27.27</b> | 0.533        | 33.01            | -5.74       |
|           |              | 2593.0          | -0.30           | 1 / 25         | 27.97                 | 27.67        | 0.585        | 33.01            | -5.34       |
|           |              | 2680.0          | -0.30           | 1 / 1          | 27.96                 | 27.66        | 0.583        | 33.01            | -5.35       |
|           | QPSK         | 2506.0          | -0.30           | 1 / 49         | 28.20                 | <b>27.90</b> | 0.617        | 33.01            | -5.11       |
|           |              | 2593.0          | -0.30           | 1 / 1          | 27.89                 | 27.59        | 0.574        | 33.01            | -5.42       |
|           |              | 2680.0          | -0.30           | 1 / 1          | 27.81                 | 27.51        | 0.564        | 33.01            | -5.50       |
|           | 16-QAM       | 2506.0          | -0.30           | 1 / 25         | 27.80                 | 27.50        | 0.562        | 33.01            | -5.51       |
|           | 64-QAM       | 2680.0          | -0.30           | 1 / 1          | 27.63                 | 27.33        | 0.541        | 33.01            | -5.68       |
| 30 MHz    | $\pi/2$ BPSK | 2506.0          | -0.30           | 1 / 1          | 28.19                 | <b>27.89</b> | 0.615        | 33.01            | -5.12       |
|           |              | 2511.0          | -0.30           | 1 / 39         | 27.67                 | 27.37        | 0.546        | 33.01            | -5.64       |
|           |              | 2593.0          | -0.30           | 1 / 76         | 28.20                 | <b>27.90</b> | 0.617        | 33.01            | -5.11       |
|           | QPSK         | 2675.0          | -0.30           | 1 / 39         | 27.77                 | 27.47        | 0.558        | 33.01            | -5.54       |
|           |              | 2511.0          | -0.30           | 1 / 1          | 25.51                 | 25.21        | 0.332        | 33.01            | -7.80       |
|           |              | 2593.0          | -0.30           | 1 / 39         | 27.75                 | 27.45        | 0.556        | 33.01            | -5.56       |
|           | 16-QAM       | 2675.0          | -0.30           | 1 / 1          | 27.41                 | 27.11        | 0.514        | 33.01            | -5.90       |
|           |              | 2593.0          | -0.30           | 1 / 1          | 27.42                 | 27.12        | 0.516        | 33.01            | -5.89       |
| 40 MHz    | $\pi/2$ BPSK | 2511.0          | -0.30           | 1 / 39         | 28.05                 | 27.75        | 0.596        | 33.01            | -5.26       |
|           |              | 2593.0          | -0.30           | 1 / 76         | 28.05                 | 27.75        | 0.596        | 33.01            | -5.26       |
|           |              | 2675.0          | -0.30           | 1 / 39         | 27.77                 | 27.47        | 0.558        | 33.01            | -5.54       |
|           | QPSK         | 2511.0          | -0.30           | 1 / 1          | 25.51                 | 25.21        | 0.332        | 33.01            | -7.80       |
|           |              | 2593.0          | -0.30           | 1 / 39         | 27.75                 | 27.45        | 0.556        | 33.01            | -5.56       |
|           |              | 2675.0          | -0.30           | 1 / 1          | 27.41                 | 27.11        | 0.514        | 33.01            | -5.90       |
|           | 16-QAM       | 2593.0          | -0.30           | 1 / 1          | 27.42                 | 27.12        | 0.516        | 33.01            | -5.89       |
|           | 64-QAM       | 2511.0          | -0.30           | 1 / 39         | 28.05                 | 27.75        | 0.596        | 33.01            | -5.26       |
| 50 MHz    | $\pi/2$ BPSK | 2511.0          | -0.30           | 1 / 1          | 25.51                 | 25.21        | 0.332        | 33.01            | -7.80       |
|           |              | 2593.0          | -0.30           | 1 / 39         | 27.75                 | 27.45        | 0.556        | 33.01            | -5.56       |
|           |              | 2675.0          | -0.30           | 1 / 1          | 27.41                 | 27.11        | 0.514        | 33.01            | -5.90       |
|           | QPSK         | 2511.0          | -0.30           | 1 / 1          | 25.51                 | 25.21        | 0.332        | 33.01            | -7.80       |
|           |              | 2593.0          | -0.30           | 1 / 39         | 27.75                 | 27.45        | 0.556        | 33.01            | -5.56       |
|           |              | 2675.0          | -0.30           | 1 / 1          | 27.41                 | 27.11        | 0.514        | 33.01            | -5.90       |
|           | 16-QAM       | 2593.0          | -0.30           | 1 / 1          | 27.42                 | 27.12        | 0.516        | 33.01            | -5.89       |
|           | 64-QAM       | 2511.0          | -0.30           | 1 / 39         | 28.05                 | 27.75        | 0.596        | 33.01            | -5.26       |
| 60 MHz    | $\pi/2$ BPSK | 2511.0          | -0.30           | 1 / 1          | 25.51                 | 25.21        | 0.332        | 33.01            | -7.80       |
|           |              | 2593.0          | -0.30           | 1 / 39         | 27.75                 | 27.45        | 0.556        | 33.01            | -5.56       |
|           |              | 2675.0          | -0.30           | 1 / 1          | 27.41                 | 27.11        | 0.514        | 33.01            | -5.90       |
|           | QPSK         | 2511.0          | -0.30           | 1 / 1          | 25.51                 | 25.21        | 0.332        | 33.01            | -7.80       |
|           |              | 2593.0          | -0.30           | 1 / 39         | 27.75                 | 27.45        | 0.556        | 33.01            | -5.56       |
|           |              | 2675.0          | -0.30           | 1 / 1          | 27.41                 | 27.11        | 0.514        | 33.01            | -5.90       |
|           | 16-QAM       | 2593.0          | -0.30           | 1 / 1          | 27.42                 | 27.12        | 0.516        | 33.01            | -5.89       |
|           | 64-QAM       | 2511.0          | -0.30           | 1 / 39         | 28.05                 | 27.75        | 0.596        | 33.01            | -5.26       |
| 70 MHz    | $\pi/2$ BPSK | 2511.0          | -0.30           | 1 / 1          | 25.51                 | 25.21        | 0.332        | 33.01            | -7.80       |
|           |              | 2593.0          | -0.30           | 1 / 39         | 27.75                 | 27.45        | 0.556        | 33.01            | -5.56       |
|           |              | 2675.0          | -0.30           | 1 / 1          | 27.41                 | 27.11        | 0.514        | 33.01            | -5.90       |
|           | QPSK         | 2511.0          | -0.30           | 1 / 1          | 25.51                 | 25.21        | 0.332        | 33.01            | -7.80       |
|           |              | 2593.0          | -0.30           | 1 / 39         | 27.75                 | 27.45        | 0.556        | 33.01            | -5.56       |
|           |              | 2675.0          | -0.30           | 1 / 1          | 27.41                 | 27.11        | 0.514        | 33.01            | -5.90       |
|           | 16-QAM       | 2593.0          | -0.30           | 1 / 1          | 27.42                 | 27.12        | 0.516        | 33.01            | -5.89       |
|           | 64-QAM       | 2511.0          | -0.30           | 1 / 39         | 28.05                 | 27.75        | 0.596        | 33.01            | -5.26       |
| 80 MHz    | $\pi/2$ BPSK | 2511.0          | -0.30           | 1 / 1          | 25.51                 | 25.21        | 0.332        | 33.01            | -7.80       |
|           |              | 2593.0          | -0.30           | 1 / 39         | 27.75                 | 27.45        | 0.556        | 33.01            | -5.56       |
|           |              | 2675.0          | -0.30           | 1 / 1          | 27.41                 | 27.11        | 0.514        | 33.01            | -5.90       |
|           | QPSK         | 2511.0          | -0.30           | 1 / 1          | 25.51                 | 25.21        | 0.332        | 33.01            | -7.80       |
|           |              | 2593.0          | -0.30           | 1 / 39         | 27.75                 | 27.45        | 0.556        | 33.01            | -5.56       |
|           |              | 2675.0          | -0.30           | 1 / 1          | 27.41                 | 27.11        | 0.514        | 33.01            | -5.90       |
|           | 16-QAM       | 2593.0          | -0.30           | 1 / 1          | 27.42                 | 27.12        | 0.516        | 33.01            | -5.89       |
|           | 64-QAM       | 2511.0          | -0.30           | 1 / 39         | 28.05                 | 27.75        | 0.596        | 33.01            | -5.26       |
| 90 MHz    | $\pi/2$ BPSK | 2511.0          | -0.30           | 1 / 1          | 25.51                 | 25.21        | 0.332        | 33.01            | -7.80       |
|           |              | 2593.0          | -0.30           | 1 / 39         | 27.75                 | 27.45        | 0.556        | 33.01            | -5.56       |
|           |              | 2675.0          | -0.30           | 1 / 1          | 27.41                 | 27.11        | 0.514        | 33.01            | -5.90       |
|           | QPSK         | 2511.0          | -0.30           | 1 / 1          | 25.51                 | 25.21        | 0.332        | 33.01            | -7.80       |
|           |              | 2593.0          | -0.30           | 1 / 39         | 27.75                 | 27.45        | 0.556        | 33.01            | -5.56       |
|           |              | 2675.0          | -0.30           | 1 / 1          | 27.41                 | 27.11        | 0.514        | 33.01            | -5.90       |
|           | 16-QAM       | 2593.0          | -0.30           | 1 / 1          | 27.42                 | 27.12        | 0.516        | 33.01            | -5.89       |
|           | 64-QAM       | 2511.0          | -0.30           | 1 / 39         | 28.05                 | 27.75        | 0.596        | 33.01            | -5.26       |
| 100 MHz   | $\pi/2$ BPSK | 2511.0          | -0.30           | 1 / 1          | 25.51                 | 25.21        | 0.332        | 33.01            | -7.80       |
|           |              | 2593.0          | -0.30           | 1 / 39         | 27.75                 | 27.45        | 0.556        | 33.01            | -5.56       |
|           |              | 2675.0          | -0.30           | 1 / 1          | 27.41                 | 27.11        | 0.514        | 33.01            | -5.90       |
|           | QPSK         | 2511.0          | -0.30           | 1 / 1          | 25.51                 | 25.21        | 0.332        | 33.01            | -7.80       |
|           |              | 2593.0          | -0.30           | 1 / 39         | 27.75                 | 27.45        | 0.556        | 33.01            | -5.56       |
|           |              | 2675.0          | -0.30           | 1 / 1          | 27.41                 | 27.11        | 0.514        | 33.01            | -5.90       |
|           | 16-QAM       | 2593.0          | -0.30           | 1 / 1          | 27.42                 | 27.12        | 0.516        | 33.01            | -5.89       |
|           | 64-QAM       | 2511.0          | -0.30           | 1 / 39         | 28.05                 | 27.75        | 0.596        | 33.01            | -5.26       |

**Table 7-42. Antenna 2b EIRP Data (NR Band n41 PC2)**


|  |   |                            |                                   |
|--|---|----------------------------|-----------------------------------|
| FCC ID: BCGA2435                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-04-R2.BCG | Test Dates:<br>6/1/2022 – 9/12/2022   | EUT Type:<br>Tablet Device | Page 217 of 274                   |

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## 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    | $\pi/2$ BPSK | 2510.0          | -0.30           | 1 / 25         | 25.53                 | 25.23        | 0.333        | 33.01            | -7.78       |
|           |              | 2593.0          | -0.30           | 1 / 49         | 25.60                 | <b>25.30</b> | 0.339        | 33.01            | -7.71       |
|           |              | 2680.0          | -0.30           | 1 / 25         | 25.35                 | 25.05        | 0.320        | 33.01            | -7.96       |
|           | QPSK         | 2510.0          | -0.30           | 1 / 49         | 25.53                 | 25.23        | 0.333        | 33.01            | -7.78       |
|           |              | 2593.0          | -0.30           | 1 / 25         | 25.49                 | 25.19        | 0.330        | 33.01            | -7.82       |
|           |              | 2680.0          | -0.30           | 1 / 25         | 25.70                 | <b>25.40</b> | 0.347        | 33.01            | -7.61       |
|           | 16-QAM       | 2593.0          | -0.30           | 1 / 1          | 24.68                 | 24.38        | 0.274        | 33.01            | -8.63       |
|           | 64-QAM       | 2593.0          | -0.30           | 1 / 1          | 23.26                 | 22.96        | 0.198        | 33.01            | -10.05      |
|           | 256-QAM      | 2593.0          | -0.30           | 1 / 1          | 21.20                 | 20.90        | 0.123        | 33.01            | -12.11      |
|           | $\pi/2$ BPSK | 2515.0          | -0.30           | 1 / 39         | 25.25                 | 24.95        | 0.312        | 33.01            | -8.06       |
|           |              | 2593.0          | -0.30           | 1 / 39         | 25.27                 | 24.97        | 0.314        | 33.01            | -8.04       |
|           |              | 2675.0          | -0.30           | 1 / 39         | 25.33                 | <b>25.03</b> | 0.318        | 33.01            | -7.98       |
| 30 MHz    | QPSK         | 2515.0          | -0.30           | 1 / 39         | 25.60                 | 25.30        | 0.339        | 33.01            | -7.71       |
|           |              | 2593.0          | -0.30           | 1 / 1          | 25.15                 | 24.85        | 0.305        | 33.01            | -8.17       |
|           |              | 2675.0          | -0.30           | 1 / 39         | 25.70                 | <b>25.40</b> | 0.347        | 33.01            | -7.61       |
|           | 16-QAM       | 2515.0          | -0.30           | 1 / 39         | 24.75                 | <b>24.45</b> | 0.278        | 33.01            | -8.56       |
|           | 64-QAM       | 2675.0          | -0.30           | 1 / 1          | 22.99                 | 22.69        | 0.186        | 33.01            | -10.32      |
|           | 256-QAM      | 2675.0          | -0.30           | 1 / 1          | 20.93                 | 20.63        | 0.116        | 33.01            | -12.38      |
| 40 MHz    | $\pi/2$ BPSK | 2520.0          | -0.30           | 1 / 104        | 25.54                 | 25.24        | 0.334        | 33.01            | -7.77       |
|           |              | 2593.0          | -0.30           | 1 / 1          | 25.42                 | 25.12        | 0.325        | 33.01            | -7.89       |
|           |              | 2670.0          | -0.30           | 1 / 104        | 25.70                 | <b>25.40</b> | 0.347        | 33.01            | -7.61       |
|           | QPSK         | 2520.0          | -0.30           | 1 / 104        | 25.50                 | <b>25.20</b> | 0.331        | 33.01            | -7.81       |
|           |              | 2593.0          | -0.30           | 1 / 53         | 25.41                 | 25.11        | 0.325        | 33.01            | -7.90       |
|           |              | 2670.0          | -0.30           | 1 / 1          | 25.57                 | 25.27        | 0.336        | 33.01            | -7.74       |
|           | 16-QAM       | 2670.0          | -0.30           | 1 / 1          | 24.92                 | 24.62        | 0.290        | 33.01            | -8.39       |
|           | 64-QAM       | 2670.0          | -0.30           | 1 / 53         | 23.32                 | 23.02        | 0.201        | 33.01            | -9.99       |
|           | 256-QAM      | 2593.0          | -0.30           | 1 / 1          | 21.18                 | 20.88        | 0.122        | 33.01            | -12.13      |
| 50 MHz    | $\pi/2$ BPSK | 2525.0          | -0.30           | 1 / 131        | 25.25                 | 24.95        | 0.312        | 33.01            | -8.06       |
|           |              | 2593.0          | -0.30           | 1 / 131        | 25.22                 | 24.92        | 0.311        | 33.01            | -8.09       |
|           |              | 2665.0          | -0.30           | 1 / 66         | 25.70                 | <b>25.40</b> | 0.347        | 33.01            | -7.61       |
|           | QPSK         | 2525.0          | -0.30           | 1 / 66         | 25.63                 | <b>25.33</b> | 0.341        | 33.01            | -7.68       |
|           |              | 2593.0          | -0.30           | 1 / 131        | 25.47                 | 25.17        | 0.329        | 33.01            | -7.84       |
|           |              | 2665.0          | -0.30           | 1 / 1          | 25.59                 | 25.29        | 0.338        | 33.01            | -7.72       |
|           | 16-QAM       | 2593.0          | -0.30           | 1 / 66         | 24.82                 | 24.52        | 0.283        | 33.01            | -8.49       |
|           | 64-QAM       | 2593.0          | -0.30           | 1 / 131        | 23.20                 | 22.90        | 0.195        | 33.01            | -10.11      |
|           | 256-QAM      | 2665.0          | -0.30           | 1 / 66         | 21.23                 | 20.93        | 0.124        | 33.01            | -12.08      |
| 60 MHz    | $\pi/2$ BPSK | 2530.0          | -0.30           | 1 / 81         | 25.57                 | 25.27        | 0.336        | 33.01            | -7.74       |
|           |              | 2593.0          | -0.30           | 1 / 160        | 25.66                 | 25.36        | 0.344        | 33.01            | -7.65       |
|           |              | 2660.0          | -0.30           | 1 / 81         | 25.70                 | <b>25.40</b> | 0.347        | 33.01            | -7.61       |
|           | QPSK         | 2530.0          | -0.30           | 1 / 81         | 25.44                 | <b>25.14</b> | 0.327        | 33.01            | -7.87       |
|           |              | 2593.0          | -0.30           | 1 / 160        | 25.52                 | 25.22        | 0.333        | 33.01            | -7.79       |
|           |              | 2660.0          | -0.30           | 1 / 1          | 25.64                 | 25.34        | 0.342        | 33.01            | -7.67       |
|           | 16-QAM       | 2660.0          | -0.30           | 1 / 160        | 25.16                 | 24.86        | 0.306        | 33.01            | -8.15       |
|           | 64-QAM       | 2660.0          | -0.30           | 1 / 1          | 23.29                 | 22.99        | 0.199        | 33.01            | -10.02      |
|           | 256-QAM      | 2593.0          | -0.30           | 1 / 81         | 20.97                 | 20.67        | 0.117        | 33.01            | -12.34      |
| 70 MHz    | $\pi/2$ BPSK | 2535.0          | -0.30           | 1 / 187        | 25.36                 | <b>25.06</b> | 0.321        | 33.01            | -7.95       |
|           |              | 2593.0          | -0.30           | 1 / 90         | 25.58                 | 25.28        | 0.337        | 33.01            | -7.73       |
|           |              | 2655.0          | -0.30           | 1 / 1          | 25.67                 | 25.37        | 0.344        | 33.01            | -7.64       |
|           | QPSK         | 2535.0          | -0.30           | 1 / 187        | 25.56                 | 25.26        | 0.336        | 33.01            | -7.75       |
|           |              | 2593.0          | -0.30           | 1 / 1          | 25.70                 | <b>25.40</b> | 0.347        | 33.01            | -7.61       |
|           |              | 2655.0          | -0.30           | 1 / 90         | 25.60                 | 25.30        | 0.339        | 33.01            | -7.71       |
|           | 16-QAM       | 2655.0          | -0.30           | 1 / 1          | 24.89                 | 24.59        | 0.288        | 33.01            | -8.42       |
|           | 64-QAM       | 2593.0          | -0.30           | 1 / 1          | 23.42                 | 23.12        | 0.205        | 33.01            | -9.89       |
|           | 256-QAM      | 2655.0          | -0.30           | 1 / 1          | 21.10                 | 20.80        | 0.120        | 33.01            | -12.21      |
| 80 MHz    | $\pi/2$ BPSK | 2540.0          | -0.30           | 1 / 215        | 24.98                 | 24.68        | 0.294        | 33.01            | -8.33       |
|           |              | 2593.0          | -0.30           | 1 / 1          | 25.58                 | 25.28        | 0.337        | 33.01            | -7.73       |
|           |              | 2650.0          | -0.30           | 1 / 1          | 25.70                 | <b>25.40</b> | 0.347        | 33.01            | -7.61       |
|           | QPSK         | 2540.0          | -0.30           | 1 / 215        | 25.59                 | <b>25.29</b> | 0.338        | 33.01            | -7.72       |
|           |              | 2593.0          | -0.30           | 1 / 1          | 25.46                 | 25.16        | 0.328        | 33.01            | -7.85       |
|           |              | 2650.0          | -0.30           | 1 / 215        | 25.64                 | 25.34        | 0.342        | 33.01            | -7.67       |
|           | 16-QAM       | 2593.0          | -0.30           | 1 / 1          | 24.89                 | 24.59        | 0.288        | 33.01            | -8.42       |
|           | 64-QAM       | 2650.0          | -0.30           | 1 / 1          | 23.26                 | 22.96        | 0.198        | 33.01            | -10.05      |
|           | 256-QAM      | 2593.0          | -0.30           | 1 / 1          | 21.34                 | 21.04        | 0.127        | 33.01            | -11.97      |
| 90 MHz    | $\pi/2$ BPSK | 2545.0          | -0.30           | 1 / 243        | 25.29                 | <b>24.99</b> | 0.315        | 33.01            | -8.02       |
|           |              | 2593.0          | -0.30           | 1 / 1          | 25.67                 | 25.37        | 0.345        | 33.01            | -7.64       |
|           |              | 2645.0          | -0.30           | 1 / 122        | 25.55                 | 25.25        | 0.335        | 33.01            | -7.76       |
|           | QPSK         | 2545.0          | -0.30           | 1 / 243        | 25.33                 | 25.03        | 0.318        | 33.01            | -7.98       |
|           |              | 2593.0          | -0.30           | 1 / 243        | 25.56                 | 25.26        | 0.335        | 33.01            | -7.75       |
|           |              | 2645.0          | -0.30           | 1 / 243        | 25.70                 | <b>25.40</b> | 0.347        | 33.01            | -7.61       |
|           | 16-QAM       | 2593.0          | -0.30           | 1 / 122        | 24.97                 | 24.67        | 0.293        | 33.01            | -8.35       |
|           | 64-QAM       | 2593.0          | -0.30           | 1 / 1          | 23.19                 | 22.89        | 0.194        | 33.01            | -10.12      |
|           | 256-QAM      | 2645.0          | -0.30           | 1 / 1          | 21.14                 | 20.84        | 0.121        | 33.01            | -12.17      |
| 100 MHz   | $\pi/2$ BPSK | 2550.0          | -0.30           | 1 / 1          | 25.55                 | 25.25        | 0.335        | 33.01            | -7.76       |
|           |              | 2593.0          | -0.30           | 1 / 271        | 25.59                 | 25.29        | 0.338        | 33.01            | -7.72       |
|           |              | 2640.0          | -0.30           | 1 / 271        | 25.69                 | <b>25.39</b> | 0.346        | 33.01            | -7.62       |
|           | QPSK         | 2550.0          | -0.30           | 1 / 1          | 25.50                 | <b>25.20</b> | 0.331        | 33.01            | -7.81       |
|           |              | 2593.0          | -0.30           | 1 / 271        | 25.14                 | 24.84        | 0.305        | 33.01            | -8.17       |
|           |              | 2640.0          | -0.30           | 1 / 1          | 25.13                 | 24.83        | 0.304        | 33.01            | -8.18       |
|           | 16-QAM       | 2550.0          | -0.30           | 1 / 271        | 24.35                 | <b>24.05</b> | 0.254        | 33.01            | -8.96       |
|           | 64-QAM       | 2640.0          | -0.30           | 1 / 271        | 23.12                 | 22.82        | 0.191        | 33.01            | -10.19      |
|           | 256-QAM      | 2550.0          | -0.30           | 1 / 271        | 24.67                 | <b>24.37</b> | 0.274        | 33.01            | -8.64       |

Table 7-43. Antenna 2b EIRP Data (NR Band n41 PC3)

|  |   |                            |  |                                   |
|--|---|----------------------------|--|-----------------------------------|
| FCC ID: BCGA2435                           |  | PART 27 MEASUREMENT REPORT |  | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-04-R2.BCG | Test Dates:<br>6/1/2022 – 9/12/2022   | EUT Type:<br>Tablet Device |  | Page 218 of 274                   |

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## 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               | 21.95      | 0.00         | 21.95            | -11.06      |
|             |        |                       |            | 21100      | 2535.0       | 1       | 99           |            | 21298      | 2554.8       | 1                    | 0               | 22.12      | 0.00         | 22.12            | -10.89      |
|             |        |                       |            | 21350      | 2560.0       | 1       | 0            |            | 21152      | 2540.2       | 1                    | 99              | 22.07      | 0.00         | 22.07            | -10.94      |
|             |        |                       |            | 21100      | 2535         | 100     | 0            |            | 21298      | 2554.8       | 100                  | 0               | 20.35      | 0.00         | 20.35            | -12.66      |
|             |        |                       | 16-QAM     | 21100      | 2535         | 100     | 0            | 16-QAM     | 21298      | 2554.8       | 100                  | 0               | 19.39      | 0.00         | 19.39            | -13.62      |
|             |        |                       |            | 21100      | 2535         | 100     | 0            |            | 21298      | 2554.8       | 100                  | 0               | 19.25      | 0.00         | 19.25            | -13.76      |
|             |        |                       |            | 21100      | 2535         | 100     | 0            |            | 21298      | 2554.8       | 100                  | 0               | 17.27      | 0.00         | 17.27            | -15.74      |
|             |        |                       |            | 21100      | 2535         | 100     | 0            |            | 21298      | 2554.8       | 100                  | 0               | 17.27      | 0.00         | 17.27            | -15.74      |

Table 7-44. Antenna 2b 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               | 28.02      | -0.30        | 27.72            | -5.29       |
|             |               |                       |            | 40620      | 2593.0       | 1       | 99           |            | 40818      | 2612.8       | 1                    | 0               | 28.06      | -0.30        | 27.76            | -5.25       |
|             |               |                       |            | 41490      | 2680.0       | 1       | 0            |            | 41292      | 2660.2       | 1                    | 99              | 27.91      | -0.30        | 27.61            | -5.40       |
|             |               |                       |            | 40620      | 2593         | 100     | 0            |            | 40818      | 2612.8       | 100                  | 0               | 26.25      | -0.30        | 25.95            | -7.06       |
|             |               |                       | 16-QAM     | 40620      | 2593         | 100     | 0            | 16-QAM     | 40818      | 2612.8       | 100                  | 0               | 25.25      | -0.30        | 24.95            | -8.06       |
|             |               |                       |            | 40620      | 2593         | 100     | 0            |            | 40818      | 2612.8       | 100                  | 0               | 25.28      | -0.30        | 24.98            | -8.03       |
|             |               |                       |            | 40620      | 2593         | 100     | 0            |            | 40818      | 2612.8       | 100                  | 0               | 23.26      | -0.30        | 22.96            | -10.05      |
|             |               |                       |            | 40620      | 2593         | 100     | 0            |            | 40818      | 2612.8       | 100                  | 0               | 23.26      | -0.30        | 22.96            | -10.05      |

Table 7-45. Antenna 2b 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               | 25.49      | -0.30        | 25.19            | -7.82       |
|             |               |                       |            | 40620      | 2593.0       | 1       | 99           |            | 40818      | 2612.8       | 1                    | 0               | 25.68      | -0.30        | 25.38            | -7.63       |
|             |               |                       |            | 41490      | 2680.0       | 1       | 0            |            | 41292      | 2660.2       | 1                    | 99              | 25.40      | -0.30        | 25.10            | -7.91       |
|             |               |                       |            | 40620      | 2593         | 100     | 0            |            | 40818      | 2612.8       | 100                  | 0               | 23.75      | -0.30        | 23.45            | -9.56       |
|             |               |                       | 16-QAM     | 40620      | 2593         | 100     | 0            | 16-QAM     | 40818      | 2612.8       | 100                  | 0               | 22.76      | -0.30        | 22.46            | -10.55      |
|             |               |                       |            | 40620      | 2593         | 100     | 0            |            | 40818      | 2612.8       | 100                  | 0               | 22.87      | -0.30        | 22.57            | -10.44      |
|             |               |                       |            | 40620      | 2593         | 100     | 0            |            | 40818      | 2612.8       | 100                  | 0               | 20.76      | -0.30        | 20.46            | -12.55      |
|             |               |                       |            | 40620      | 2593         | 100     | 0            |            | 40818      | 2612.8       | 100                  | 0               | 20.76      | -0.30        | 20.46            | -12.55      |

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

|  |   |                            |                                   |
|--|---|----------------------------|-----------------------------------|
| FCC ID: BCGA2435                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-04-R2.BCG | Test Dates:<br>6/1/2022 – 9/12/2022   | EUT Type:<br>Tablet Device | Page 219 of 274                   |

## 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

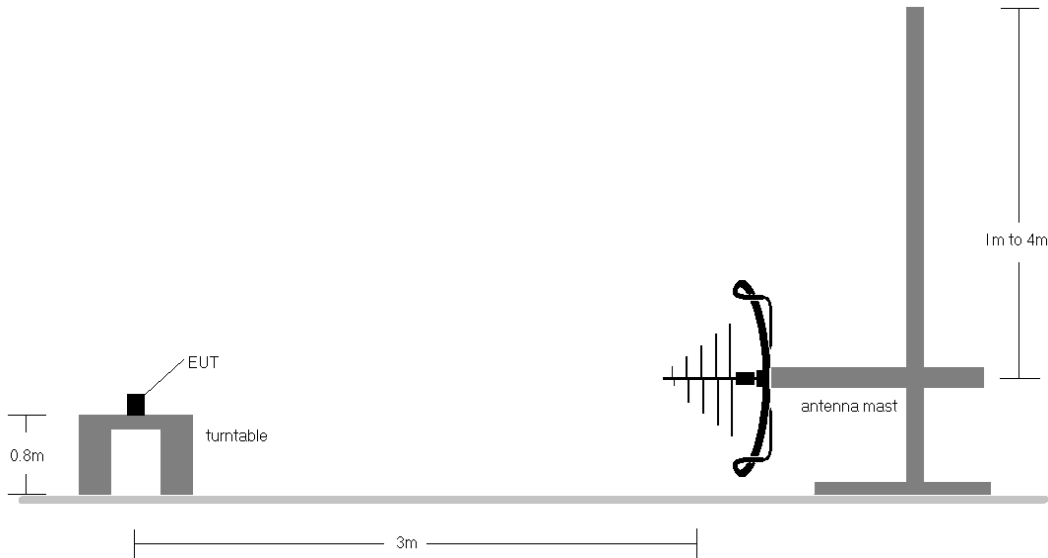
1. RBW = 100kHz for emissions below 1GHz and 1MHz for emissions above 1GHz
2. VBW  $\geq 3 \times$  RBW
3. Span = 1.5 times the OBW
4. No. of sweep points  $\geq 2 \times$  span / RBW
5. Detector = RMS
6. Trace mode = Average (Max Hold for pulsed emissions)
7. The trace was allowed to stabilize

|  |  |                            |                                   |
|--|--|----------------------------|-----------------------------------|
| FCC ID: BCGA2435                           |  PART 27 MEASUREMENT REPORT |                            | Approved by:<br>Technical Manager |
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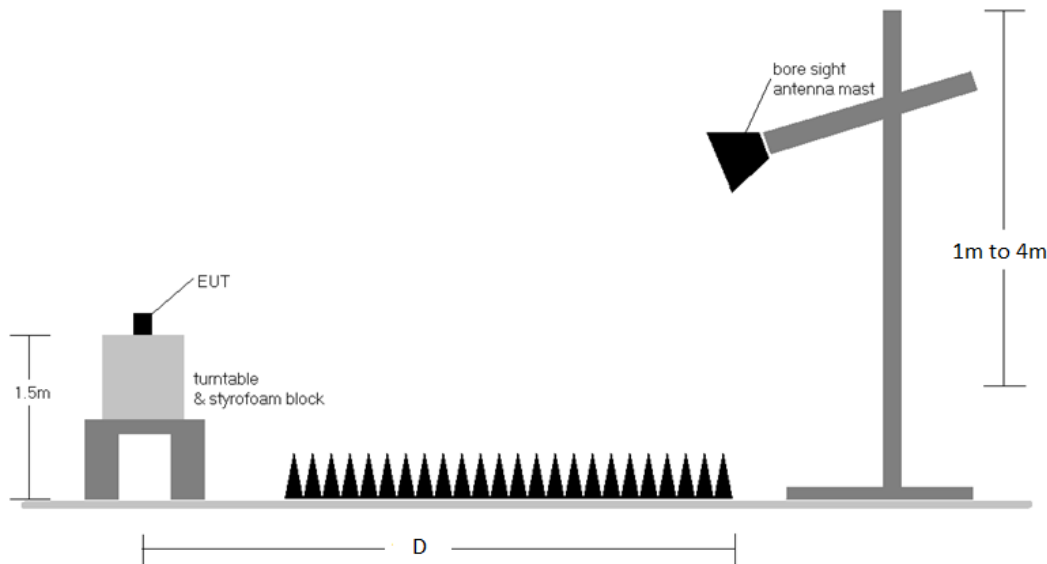
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**Test Setup**


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: BCGA2435                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-04-R2.BCG | Test Dates:<br>6/1/2022 – 9/12/2022   | EUT Type:<br>Tablet Device | Page 221 of 274                   |

## Test Notes

1. Field strengths are calculated using the Measurement quantity conversions in KDB 971168 Section 5.8.4.
  - a.  $E(\text{dB}\mu\text{V/m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
  - b.  $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V/m}) + 20\log D - 104.8$ ; 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.

|  |   |                            |                                   |
|--|---|----------------------------|-----------------------------------|
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## 7.7.1 Antenna 4b Radiated Spurious Emission Measurements

### LTE Band 30

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 5      |
| Frequency (MHz): | 2307.5 |
| RB / Offset:     | 1 / 24 |

| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 4619.2          | V               | -                   | -                          | -79.44               | 6.77        | 34.33                   | -60.93                             | -40.00      | -20.93      |
| 6928.8          | V               | -                   | -                          | -80.39               | 10.27       | 36.88                   | -58.38                             | -40.00      | -18.38      |
| 9238.4          | V               | -                   | -                          | -82.46               | 12.29       | 36.83                   | -58.43                             | -40.00      | -18.43      |

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          | V               | -                   | -                          | -79.48               | 6.76        | 34.28                   | -60.98                             | -40.00      | -20.98      |
| 6930.0          | V               | -                   | -                          | -80.03               | 10.26       | 37.23                   | -58.03                             | -40.00      | -18.03      |
| 9240.0          | V               | -                   | -                          | -82.44               | 12.31       | 36.87                   | -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 / 24 |

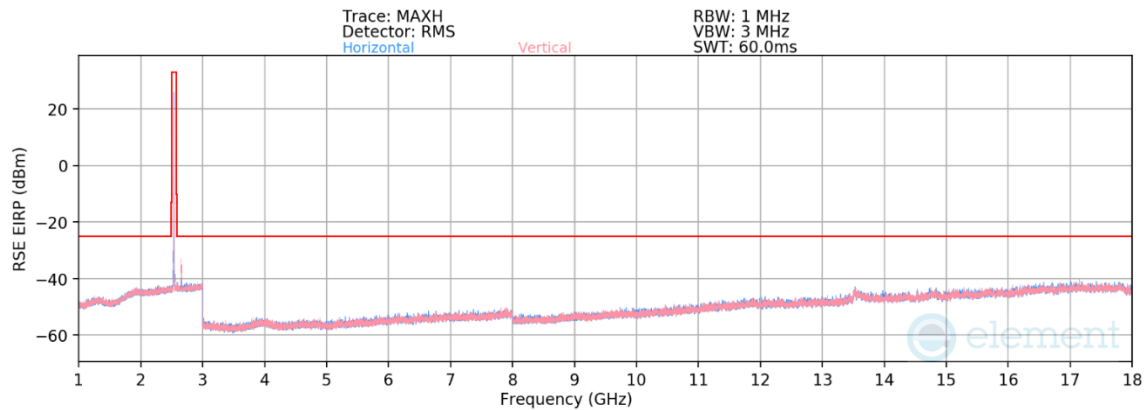
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 4629.39         | V               | -                   | -                          | -78.91               | 6.84        | 34.93                   | -60.33                             | -40.00      | -20.33      |
| 6944.09         | V               | -                   | -                          | -80.27               | 10.23       | 36.96                   | -58.29                             | -40.00      | -18.29      |
| 9258.78         | V               | -                   | -                          | -82.46               | 12.34       | 36.88                   | -58.37                             | -40.00      | -18.37      |

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

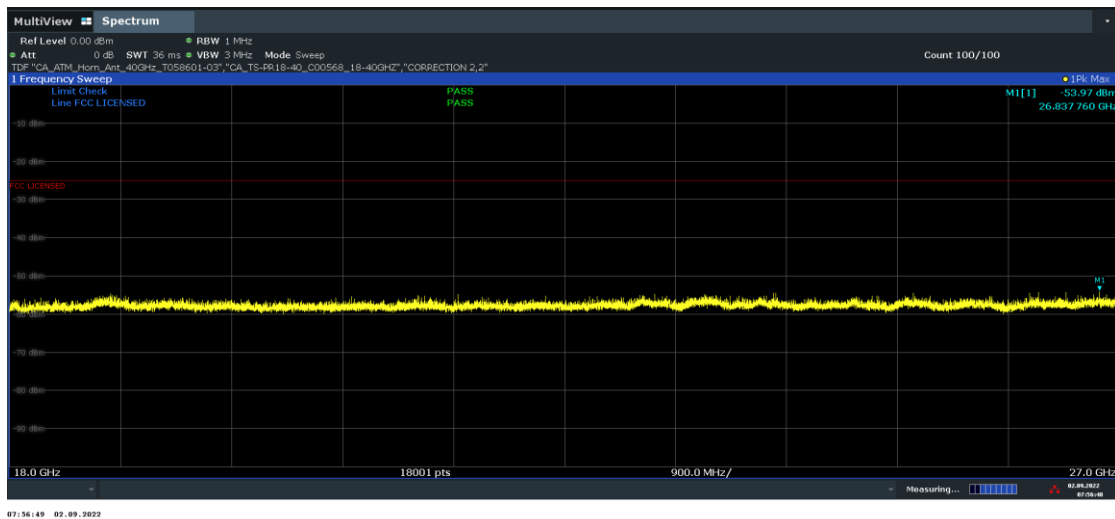
|  |   |                            |                                   |
|--|---|----------------------------|-----------------------------------|
| FCC ID: BCGA2435                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-04-R2.BCG | Test Dates:<br>6/1/2022 – 9/12/2022   | EUT Type:<br>Tablet Device | Page 223 of 274                   |

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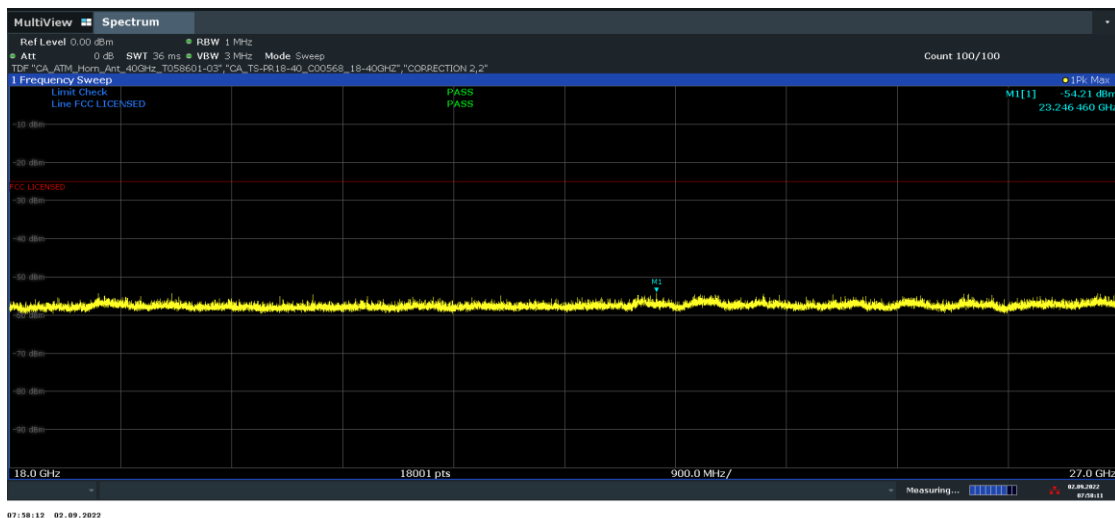
## LTE Band 7




Plot 7-305. Antenna 4b Radiated Spurious Plot 1GHz – 18GHz (LTE Band 7)



Plot 7-306. Antenna 4b Radiated Spurious Emission above 18GHz (LTE Band 7, Pol. H)



Plot 7-307. Antenna 4b Radiated Spurious Emission above 18GHz (LTE Band 7, Pol. V)

|  |   |                            |                                   |
|--|---|----------------------------|-----------------------------------|
| FCC ID: BCGA2435                           |  | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
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|                         |        |
|-------------------------|--------|
| <b>Bandwidth (MHz):</b> | 20     |
| <b>Frequency (MHz):</b> | 2510.0 |
| <b>RB / Offset:</b>     | 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               | -                   | -                          | -80.10               | 7.60        | 34.50                   | -60.76                             | -25.00      | -35.76      |
| 7530.0          | H               | -                   | -                          | -80.88               | 10.96       | 37.08                   | -58.18                             | -25.00      | -33.18      |
| 10040.0         | H               | -                   | -                          | -82.89               | 13.87       | 37.98                   | -57.27                             | -25.00      | -32.27      |

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

|                         |        |
|-------------------------|--------|
| <b>Bandwidth (MHz):</b> | 20     |
| <b>Frequency (MHz):</b> | 2535.0 |
| <b>RB / Offset:</b>     | 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               | -                   | -                          | -79.82               | 7.42        | 34.60                   | -60.66                             | -25.00      | -35.66      |
| 7605.0          | H               | 260                 | 6                          | -77.94               | 10.93       | 39.99                   | -55.27                             | -25.00      | -30.27      |
| 10140.0         | H               | -                   | -                          | -83.08               | 14.68       | 38.60                   | -56.65                             | -25.00      | -31.65      |
| 12675.0         | H               | -                   | -                          | -84.55               | 18.68       | 41.13                   | -54.13                             | -25.00      | -29.13      |
| 15210.0         | H               | -                   | -                          | -83.55               | 21.36       | 44.81                   | -50.44                             | -25.00      | -25.44      |

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

|                         |        |
|-------------------------|--------|
| <b>Bandwidth (MHz):</b> | 20     |
| <b>Frequency (MHz):</b> | 2560.0 |
| <b>RB / Offset:</b>     | 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               | -                   | -                          | -77.88               | 4.41        | 33.53                   | -61.72                             | -25.00      | -36.72      |
| 7680.00         | H               | -                   | -                          | -80.79               | 9.02        | 35.23                   | -60.03                             | -25.00      | -35.03      |
| 10240.00        | H               | -                   | -                          | -83.93               | 14.22       | 37.29                   | -57.97                             | -25.00      | -32.97      |

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

|   |   |                                   |  |
|---|---|-----------------------------------|--|
| <b>FCC ID:</b> BCGA2435                           |  <b>PART 27 MEASUREMENT REPORT</b> |                                   | <b>Approved by:</b><br>Technical Manager |
| <b>Test Report S/N:</b><br>1C2205090025-04-R2.BCG | <b>Test Dates:</b><br>6/1/2022 – 9/12/2022  | <b>EUT Type:</b><br>Tablet Device | Page 225 of 274                          |

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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          | V               | -                   | -                          | -80.39               | 7.61        | 34.22                   | -61.04                             | -25.00      | -36.04      |
| 7518.0          | V               | -                   | -                          | -81.30               | 10.90       | 36.60                   | -58.66                             | -25.00      | -33.66      |
| 10024.0         | V               | -                   | -                          | -82.49               | 13.74       | 38.25                   | -57.01                             | -25.00      | -32.01      |

**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          | V               | -                   | -                          | -80.19               | 7.62        | 34.43                   | -60.83                             | -25.00      | -35.83      |
| 7779.0          | V               | -                   | -                          | -80.40               | 10.79       | 37.39                   | -57.87                             | -25.00      | -32.87      |
| 10372.0         | V               | -                   | -                          | -82.05               | 14.80       | 39.75                   | -55.51                             | -25.00      | -30.51      |

**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          | V               | -                   | -                          | -79.97               | 8.30        | 35.33                   | -59.92                             | -25.00      | -34.92      |
| 8040.0          | V               | -                   | -                          | -80.77               | 10.99       | 37.22                   | -58.04                             | -25.00      | -33.04      |
| 10720.0         | V               | -                   | -                          | -82.23               | 15.88       | 40.65                   | -54.60                             | -25.00      | -29.60      |

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

|  |   |                            |                                   |
|--|---|----------------------------|-----------------------------------|
| FCC ID: BCGA2435                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-04-R2.BCG | Test Dates:<br>6/1/2022 – 9/12/2022   | EUT Type:<br>Tablet Device | Page 226 of 274                   |

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## 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          | V               | -                   | -                          | -79.24               | 6.91        | 34.67                   | -60.59                             | -40.00      | -20.59      |
| 6922.5          | V               | 282                 | 209                        | -75.70               | 10.28       | 41.58                   | -53.68                             | -40.00      | -13.68      |
| 9230.0          | V               | -                   | -                          | -80.91               | 12.07       | 38.16                   | -57.09                             | -40.00      | -17.09      |
| 11537.5         | V               | -                   | -                          | -82.41               | 16.78       | 41.37                   | -53.89                             | -40.00      | -13.89      |
| 13845.0         | V               | -                   | -                          | -80.50               | 18.33       | 44.83                   | -50.43                             | -40.00      | -10.43      |

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          | V               | -                   | -                          | -79.21               | 6.76        | 34.55                   | -60.71                             | -40.00      | -20.71      |
| 6930.0          | V               | 272                 | 215                        | -74.39               | 10.26       | 42.87                   | -52.39                             | -40.00      | -12.39      |
| 9240.0          | V               | -                   | -                          | -80.82               | 12.31       | 38.49                   | -56.76                             | -40.00      | -16.76      |
| 11550.0         | V               | -                   | -                          | -82.38               | 16.73       | 41.35                   | -53.90                             | -40.00      | -13.90      |
| 13860.0         | V               | -                   | -                          | -80.71               | 18.01       | 44.30                   | -50.96                             | -40.00      | -10.96      |

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          | V               | -                   | -                          | -79.11               | 6.79        | 34.68                   | -60.58                             | -40.00      | -20.58      |
| 6937.5          | V               | 272                 | 180                        | -73.09               | 10.24       | 44.15                   | -51.11                             | -40.00      | -11.11      |
| 9250.0          | V               | -                   | -                          | -80.99               | 12.38       | 38.39                   | -56.87                             | -40.00      | -16.87      |
| 11562.5         | V               | -                   | -                          | -82.51               | 16.59       | 41.08                   | -54.18                             | -40.00      | -14.18      |
| 13875.0         | V               | -                   | -                          | -80.78               | 17.84       | 44.06                   | -51.20                             | -40.00      | -11.20      |

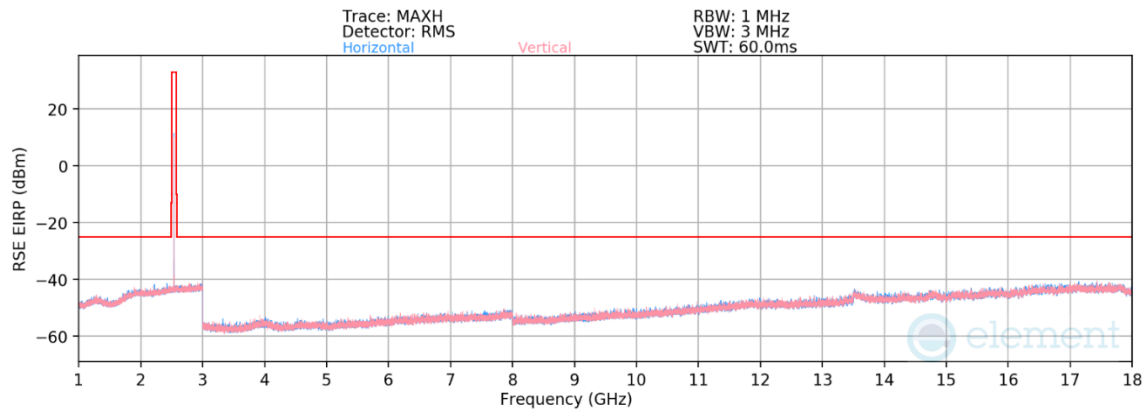
Table 7-58. Radiated Spurious Data (NR Band n30 – High Channel)

|  |   |                            |                                   |
|--|---|----------------------------|-----------------------------------|
| FCC ID: BCGA2435                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-04-R2.BCG | Test Dates:<br>6/1/2022 – 9/12/2022   | EUT Type:<br>Tablet Device | Page 227 of 274                   |

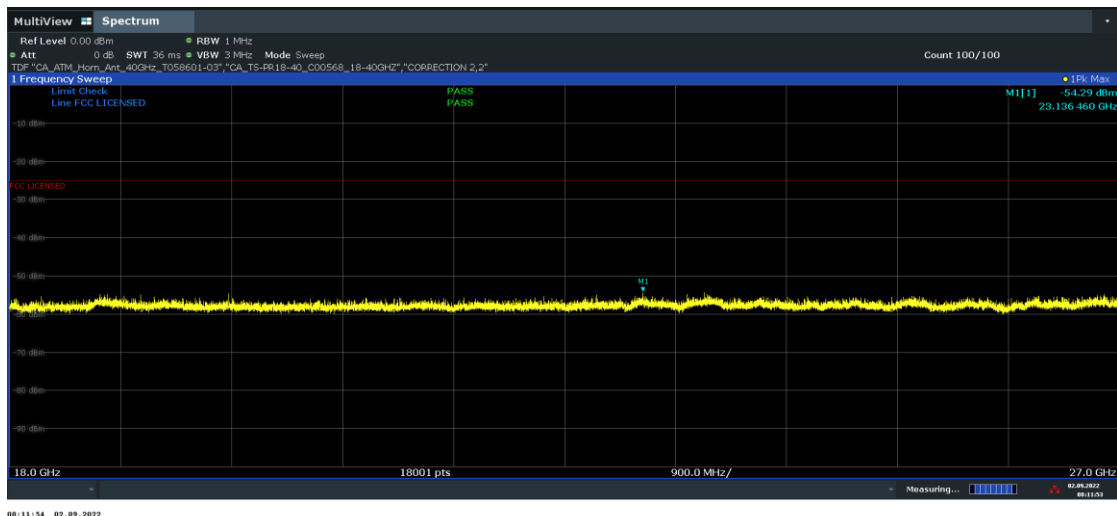
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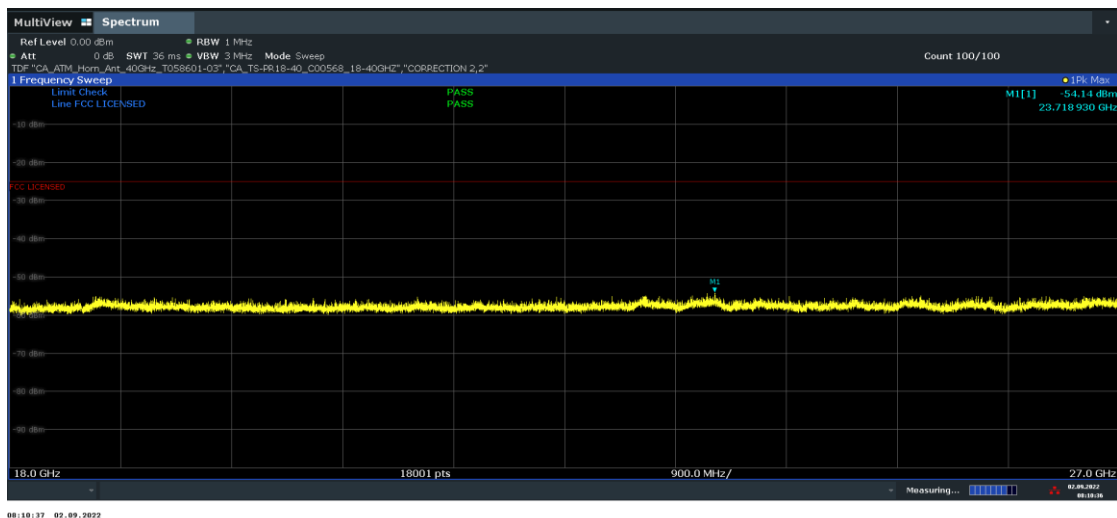
## NR Band n7




**Plot 7-308. Antenna 4b Radiated Spurious Plot 1GHz – 18GHz (NR Band n7)**



**Plot 7-309. Antenna 4b Radiated Spurious Emission above 18GHz (NR Band n7, Pol. H)**



**Plot 7-310. Antenna 4b Radiated Spurious Emission above 18GHz (NR Band n7, Pol. V)**

|  |   |                            |                                   |
|--|---|----------------------------|-----------------------------------|
| FCC ID: BCGA2435                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-04-R2.BCG | Test Dates:<br>6/1/2022 – 9/12/2022   | EUT Type:<br>Tablet Device | Page 228 of 274                   |

|                         |         |
|-------------------------|---------|
| <b>Bandwidth (MHz):</b> | 40      |
| <b>Frequency (MHz):</b> | 2520.0  |
| <b>RB / Offset:</b>     | 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          | V               | -                   | -                          | -77.80               | 3.89        | 33.09                   | -62.17                             | -25.00      | -37.17      |
| 7560.0          | V               | -                   | -                          | -80.29               | 8.93        | 35.64                   | -59.62                             | -25.00      | -34.62      |
| 10080.0         | V               | -                   | -                          | -83.01               | 13.17       | 37.16                   | -58.10                             | -25.00      | -33.10      |

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

|                         |         |
|-------------------------|---------|
| <b>Bandwidth (MHz):</b> | 40      |
| <b>Frequency (MHz):</b> | 2535.0  |
| <b>RB / Offset:</b>     | 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          | V               | -                   | -                          | -77.81               | 3.99        | 33.18                   | -62.07                             | -25.00      | -37.07      |
| 7605.0          | V               | -                   | -                          | -80.25               | 9.07        | 35.82                   | -59.43                             | -25.00      | -34.43      |
| 10140.0         | V               | -                   | -                          | -83.12               | 13.37       | 37.25                   | -58.01                             | -25.00      | -33.01      |

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

|                         |         |
|-------------------------|---------|
| <b>Bandwidth (MHz):</b> | 40      |
| <b>Frequency (MHz):</b> | 2550.0  |
| <b>RB / Offset:</b>     | 1 / 108 |

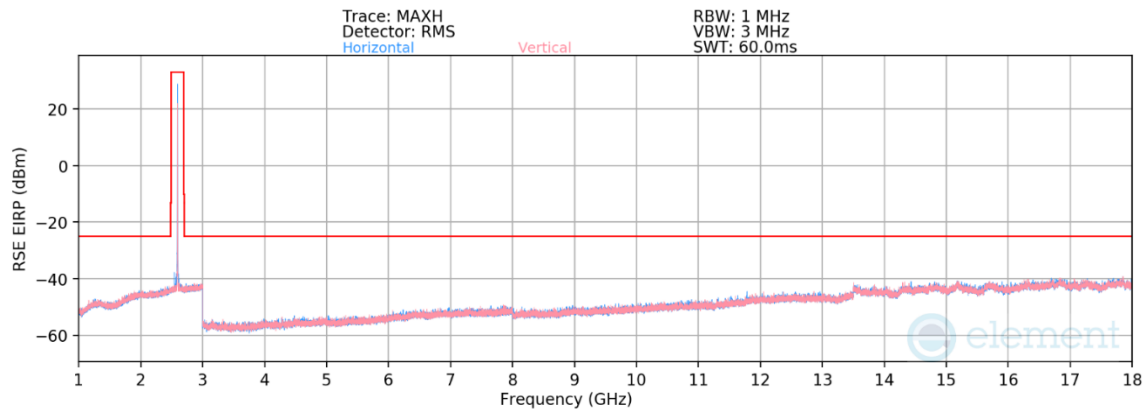
| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5100.0          | V               | -                   | -                          | -77.83               | 4.23        | 33.40                   | -61.86                             | -25.00      | -36.86      |
| 7650.0          | V               | -                   | -                          | -80.06               | 8.86        | 35.80                   | -59.46                             | -25.00      | -34.46      |
| 10200.0         | V               | -                   | -                          | -83.26               | 13.78       | 37.52                   | -57.74                             | -25.00      | -32.74      |

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

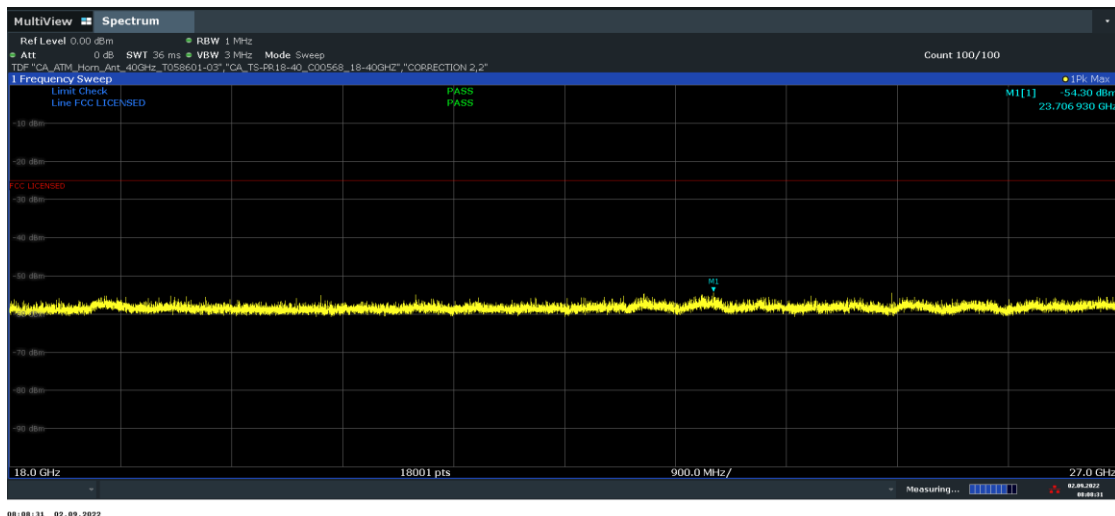
|   |   |                                   |  |
|---|---|-----------------------------------|--|
| <b>FCC ID:</b> BCGA2435                           |  | <b>PART 27 MEASUREMENT REPORT</b> | <b>Approved by:</b><br>Technical Manager |
| <b>Test Report S/N:</b><br>1C2205090025-04-R2.BCG | <b>Test Dates:</b><br>6/1/2022 – 9/12/2022  | <b>EUT Type:</b><br>Tablet Device | Page 229 of 274                          |

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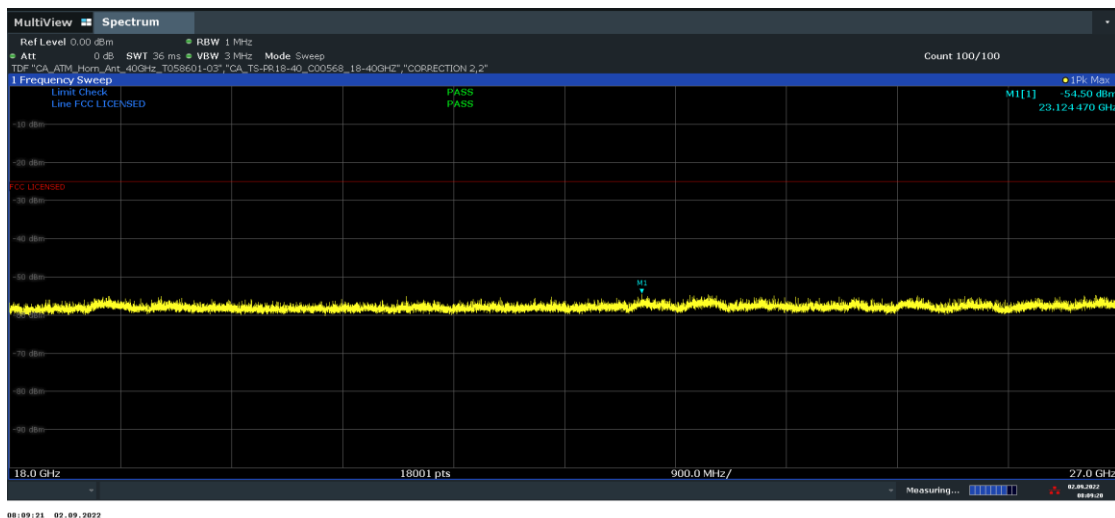
## NR Band n41




Plot 7-311. Antenna 4b Radiated Spurious Plot 1GHz – 18GHz (NR Band n41)



Plot 7-312. Antenna 4b Radiated Spurious Emission above 18GHz (NR Band n41, Pol. H)



Plot 7-313. Antenna 4b Radiated Spurious Emission above 18GHz (NR Band n41, Pol. V)

|  |  |                            |                                   |
|--|--|----------------------------|-----------------------------------|
| FCC ID: BCGA2435                           |  PART 27 MEASUREMENT REPORT |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-04-R2.BCG | Test Dates:<br>6/1/2022 – 9/12/2022  | EUT Type:<br>Tablet Device | Page 230 of 274                   |

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|                         |         |
|-------------------------|---------|
| <b>Bandwidth (MHz):</b> | 100     |
| <b>Frequency (MHz):</b> | 2546.0  |
| <b>RB / Offset:</b>     | 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          | V               | -                   | -                          | -80.07               | 7.60        | 34.53                   | -60.73                             | -25.00      | -35.73      |
| 7638.0          | V               | -                   | -                          | -80.82               | 11.17       | 37.35                   | -57.91                             | -25.00      | -32.91      |
| 10184.0         | V               | -                   | -                          | -81.69               | 14.24       | 39.55                   | -55.71                             | -25.00      | -30.71      |

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

|                         |         |
|-------------------------|---------|
| <b>Bandwidth (MHz):</b> | 100     |
| <b>Frequency (MHz):</b> | 2593.0  |
| <b>RB / Offset:</b>     | 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          | V               | -                   | -                          | -79.86               | 7.62        | 34.76                   | -60.50                             | -25.00      | -35.50      |
| 7779.0          | V               | -                   | -                          | -80.54               | 10.79       | 37.25                   | -58.01                             | -25.00      | -33.01      |
| 10372.0         | V               | -                   | -                          | -81.83               | 14.80       | 39.97                   | -55.29                             | -25.00      | -30.29      |

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

|                         |         |
|-------------------------|---------|
| <b>Bandwidth (MHz):</b> | 100     |
| <b>Frequency (MHz):</b> | 2640.0  |
| <b>RB / Offset:</b>     | 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          | V               | -                   | -                          | -79.75               | 7.43        | 34.68                   | -60.57                             | -25.00      | -35.57      |
| 7920.0          | V               | -                   | -                          | -80.77               | 11.29       | 37.52                   | -57.74                             | -25.00      | -32.74      |
| 10560.0         | V               | -                   | -                          | -81.95               | 14.86       | 39.91                   | -55.34                             | -25.00      | -30.34      |

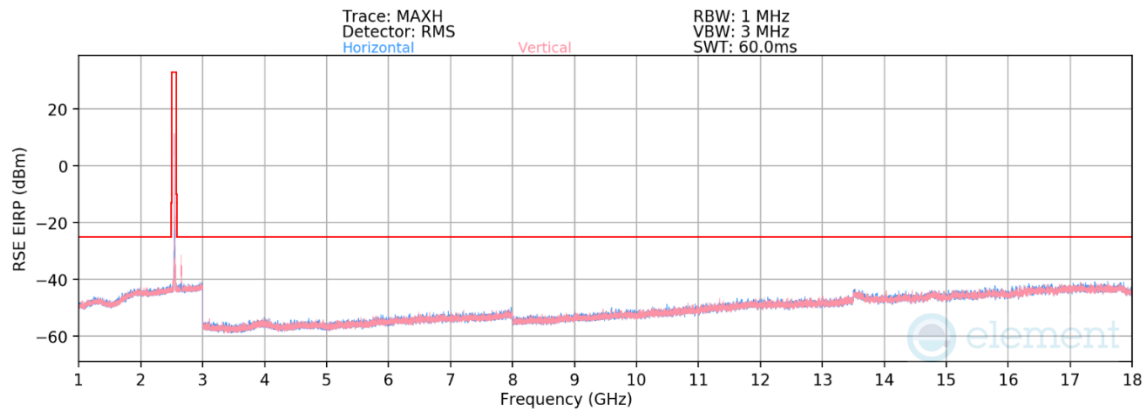
**Table 7-64. Radiated Spurious Data (NR Band n41 – High Channel)**

|   |   |                                   |  |
|---|---|-----------------------------------|--|
| <b>FCC ID:</b> BCGA2435                           |  | <b>PART 27 MEASUREMENT REPORT</b> | <b>Approved by:</b><br>Technical Manager |
| <b>Test Report S/N:</b><br>1C2205090025-04-R2.BCG | <b>Test Dates:</b><br>6/1/2022 – 9/12/2022  | <b>EUT Type:</b><br>Tablet Device | Page 231 of 274                          |

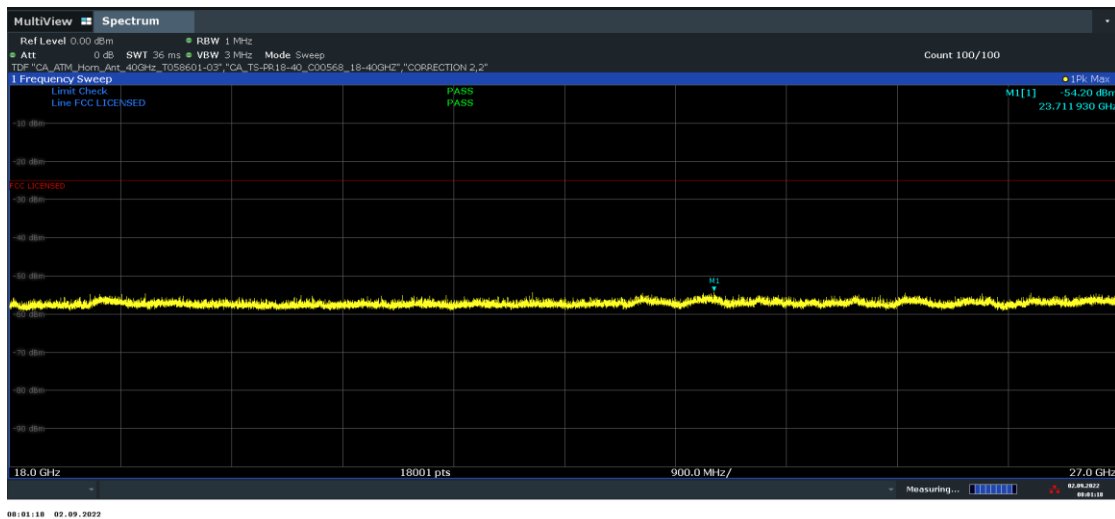
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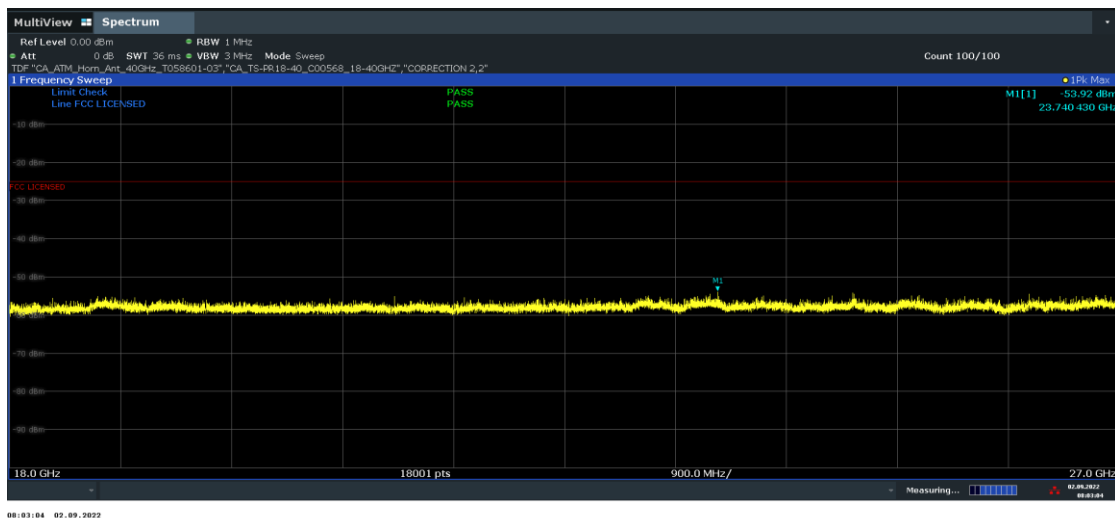
## ULCA - LTE B7




Plot 7-314. Antenna 4b Radiated Spurious Plot 1GHz – 18GHz (ULCA LTE B7)



Plot 7-315. Antenna 4b Radiated Spurious Emission above 18GHz (ULCA LTE B7, Pol. H)



Plot 7-316. Antenna 4b Radiated Spurious Emission above 18GHz (ULCA LTE B7, Pol. V)

|  |   |                            |                                   |
|--|---|----------------------------|-----------------------------------|
| FCC ID: BCGA2435                           |  | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-04-R2.BCG | Test Dates:<br>6/1/2022 – 9/12/2022   | EUT Type:<br>Tablet Device | Page 232 of 274                   |

|                      |        |
|----------------------|--------|
| 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          | V               | -                   | -                          | -77.69               | 3.94        | 33.25                   | -62.01                             | -25.00      | -37.01      |
| 7530.0          | V               | -                   | -                          | -79.71               | 8.95        | 36.24                   | -59.02                             | -25.00      | -34.02      |
| 10040.0         | V               | -                   | -                          | -82.51               | 13.28       | 37.77                   | -57.49                             | -25.00      | -32.49      |

**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          | V               | -                   | -                          | -77.63               | 3.99        | 33.36                   | -61.89                             | -25.00      | -36.89      |
| 7605.0          | V               | -                   | -                          | -79.77               | 9.07        | 36.30                   | -58.95                             | -25.00      | -33.95      |
| 10140.0         | V               | -                   | -                          | -82.86               | 13.37       | 37.51                   | -57.75                             | -25.00      | -32.75      |

**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          | V               | -                   | -                          | -77.75               | 4.41        | 33.66                   | -61.59                             | -25.00      | -36.59      |
| 7680.0          | V               | -                   | -                          | -79.86               | 9.02        | 36.16                   | -59.10                             | -25.00      | -34.10      |
| 10240.0         | V               | -                   | -                          | -82.61               | 14.22       | 38.61                   | -56.65                             | -25.00      | -31.65      |

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

|  |   |                            |  |  |  |  |  |                                   |  |
|--|---|----------------------------|--|--|--|--|--|-----------------------------------|--|
| FCC ID: BCGA2435                           |  | PART 27 MEASUREMENT REPORT |  |  |  |  |  | Approved by:<br>Technical Manager |  |
| Test Report S/N:<br>1C2205090025-04-R2.BCG | Test Dates:<br>6/1/2022 – 9/12/2022   | EUT Type:<br>Tablet Device |  |  |  |  |  | Page 233 of 274                   |  |

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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          | V               | -                   | -                          | -79.31               | 7.58        | 35.27                   | -59.99                             | -25.00      | -34.99      |
| 7518.0          | V               | -                   | -                          | -80.10               | 10.86       | 37.76                   | -57.50                             | -25.00      | -32.50      |
| 10024.0         | V               | -                   | -                          | -80.89               | 13.71       | 39.82                   | -55.43                             | -25.00      | -30.43      |

**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          | V               | -                   | -                          | -79.11               | 7.66        | 35.55                   | -59.71                             | -25.00      | -34.71      |
| 7779.0          | V               | -                   | -                          | -79.77               | 10.80       | 38.03                   | -57.23                             | -25.00      | -32.23      |
| 10372.0         | V               | -                   | -                          | -81.07               | 14.81       | 40.74                   | -54.52                             | -25.00      | -29.52      |

**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          | V               | -                   | -                          | -79.21               | 8.30        | 36.09                   | -59.16                             | -25.00      | -34.16      |
| 8040.0          | V               | -                   | -                          | -80.12               | 10.99       | 37.87                   | -57.39                             | -25.00      | -32.39      |
| 10720.0         | V               | -                   | -                          | -81.07               | 15.88       | 41.81                   | -53.44                             | -25.00      | -28.44      |

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

|  |   |                            |                                   |
|--|---|----------------------------|-----------------------------------|
| FCC ID: BCGA2435                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-04-R2.BCG | Test Dates:<br>6/1/2022 – 9/12/2022   | EUT Type:<br>Tablet Device | Page 234 of 274                   |

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## 7.7.2 Antenna 1 Radiated Spurious Emission Measurements

### LTE Band 30

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 5      |
| Frequency (MHz): | 2307.5 |
| RB / Offset:     | 1 / 24 |

| 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               | -                   | -                          | -79.84               | 6.91        | 34.07                   | -61.19                             | -40.00      | -21.19      |
| 6922.5          | H               | -                   | -                          | -80.80               | 10.28       | 36.48                   | -58.78                             | -40.00      | -18.78      |
| 9230.0          | H               | -                   | -                          | -81.56               | 12.07       | 37.51                   | -57.74                             | -40.00      | -17.74      |

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               | -                   | -                          | -79.77               | 6.91        | 34.14                   | -61.12                             | -40.00      | -21.12      |
| 6930.0          | H               | -                   | -                          | -80.58               | 10.28       | 36.70                   | -58.56                             | -40.00      | -18.56      |
| 9240.0          | H               | -                   | -                          | -81.31               | 12.07       | 37.76                   | -57.49                             | -40.00      | -17.49      |

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

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 5      |
| Frequency (MHz): | 2312.5 |
| RB / Offset:     | 1 / 24 |

| 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               | -                   | -                          | -79.72               | 6.85        | 34.13                   | -61.13                             | -40.00      | -21.13      |
| 6937.50         | H               | -                   | -                          | -80.67               | 10.21       | 36.54                   | -58.72                             | -40.00      | -18.72      |
| 9250.00         | H               | -                   | -                          | -81.61               | 12.32       | 37.71                   | -57.55                             | -40.00      | -17.55      |

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

|  |   |                            |                                   |
|--|---|----------------------------|-----------------------------------|
| FCC ID: BCGA2435                           |  | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-04-R2.BCG | Test Dates:<br>6/1/2022 – 9/12/2022   | EUT Type:<br>Tablet Device | Page 235 of 274                   |

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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               | -                   | -                          | -80.65               | 7.60        | 33.95                   | -61.31                             | -25.00      | -36.31      |
| 7530.0          | H               | -                   | -                          | -81.09               | 10.96       | 36.87                   | -58.39                             | -25.00      | -33.39      |
| 10040.0         | H               | -                   | -                          | -82.62               | 13.87       | 38.25                   | -57.00                             | -25.00      | -32.00      |

**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               | -                   | -                          | -80.56               | 7.42        | 33.86                   | -61.40                             | -25.00      | -36.40      |
| 7605.0          | H               | -                   | -                          | -81.18               | 10.93       | 36.75                   | -58.51                             | -25.00      | -33.51      |
| 10140.0         | H               | -                   | -                          | -82.38               | 14.68       | 39.30                   | -55.95                             | -25.00      | -30.95      |

**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               | -                   | -                          | -80.57               | 7.72        | 34.15                   | -61.11                             | -25.00      | -36.11      |
| 7680.00         | H               | -                   | -                          | -80.62               | 10.32       | 36.70                   | -58.56                             | -25.00      | -33.56      |
| 10240.00        | H               | -                   | -                          | -82.18               | 14.11       | 38.93                   | -56.33                             | -25.00      | -31.33      |

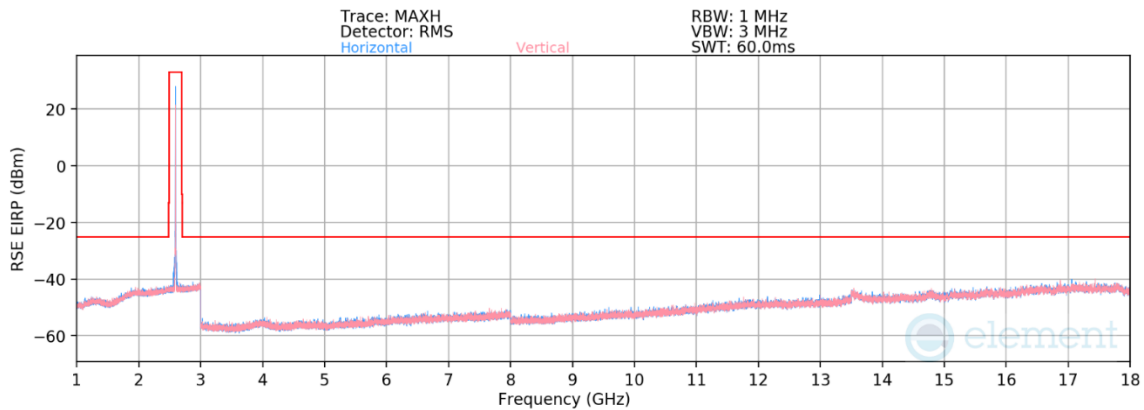
**Table 7-76. Radiated Spurious Data (LTE Band 7 – High Channel)**

|  |   |                            |  |                                   |
|--|---|----------------------------|--|-----------------------------------|
| FCC ID: BCGA2435                           |  | PART 27 MEASUREMENT REPORT |  | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-04-R2.BCG | Test Dates:<br>6/1/2022 – 9/12/2022   | EUT Type:<br>Tablet Device |  | Page 236 of 274                   |

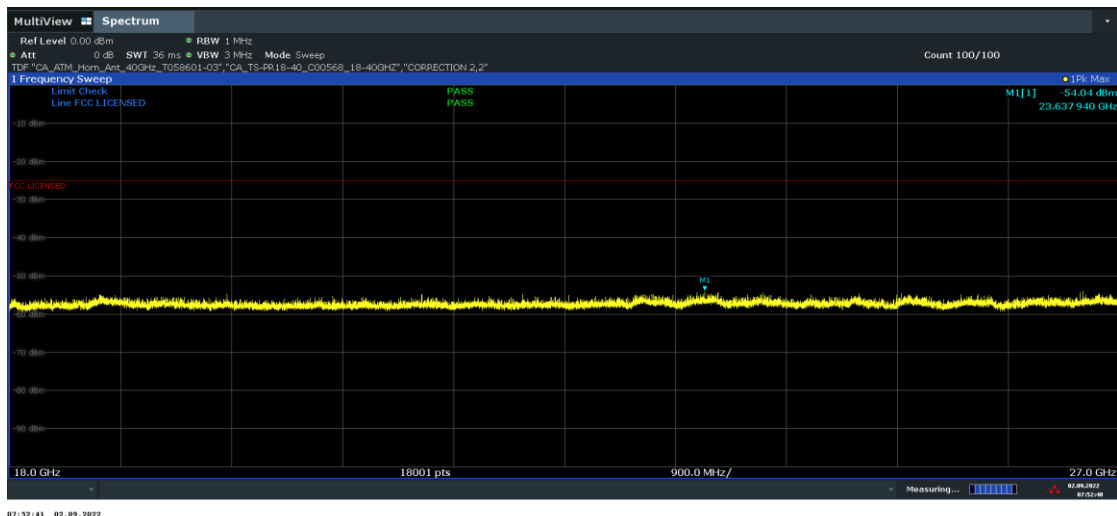
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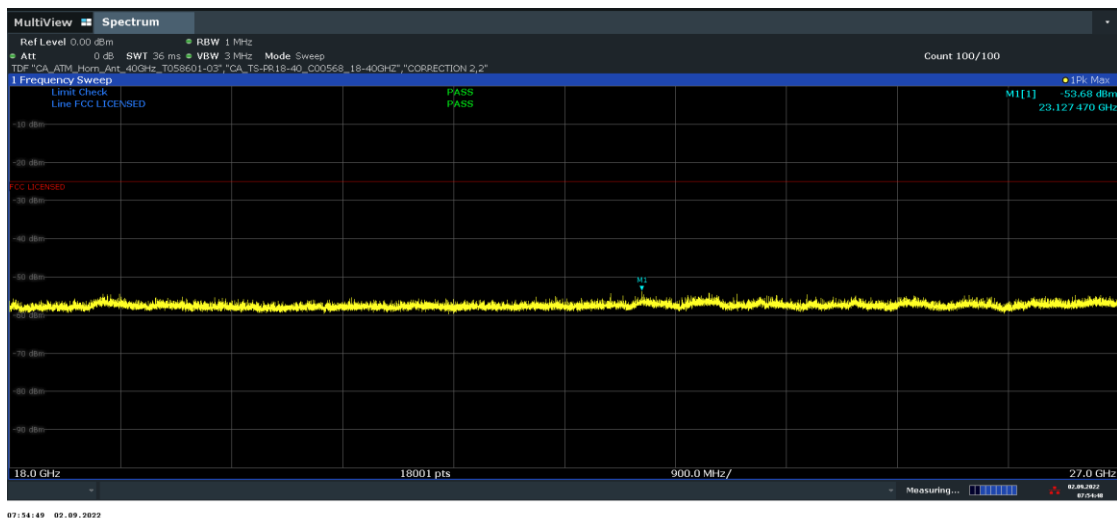
## LTE Band 41




Plot 7-317. Antenna 1 Radiated Spurious Plot 1GHz – 18GHz (LTE Band 7)



Plot 7-318. Antenna 1 Radiated Spurious Emission above 18GHz (LTE B41, Pol. H)



Plot 7-319. Antenna 1 Radiated Spurious Emission above 18GHz (LTE B41, Pol. V)

|  |  |                            |                                   |
|--|--|----------------------------|-----------------------------------|
| FCC ID: BCGA2435                           |  PART 27 MEASUREMENT REPORT |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-04-R2.BCG | Test Dates:<br>6/1/2022 – 9/12/2022  | EUT Type:<br>Tablet Device | Page 237 of 274                   |

|                         |        |
|-------------------------|--------|
| <b>Bandwidth (MHz):</b> | 20     |
| <b>Frequency (MHz):</b> | 2506.0 |
| <b>RB / Offset:</b>     | 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               | -                   | -                          | -80.16               | 7.61        | 34.45                   | -60.81                             | -25.00      | -35.81      |
| 7518.0          | H               | -                   | -                          | -80.83               | 10.90       | 37.07                   | -58.19                             | -25.00      | -33.19      |
| 10024.0         | H               | -                   | -                          | -81.75               | 13.74       | 38.99                   | -56.27                             | -25.00      | -31.27      |

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

|                         |        |
|-------------------------|--------|
| <b>Bandwidth (MHz):</b> | 20     |
| <b>Frequency (MHz):</b> | 2593.0 |
| <b>RB / Offset:</b>     | 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               | -                   | -                          | -80.22               | 7.62        | 34.40                   | -60.86                             | -25.00      | -35.86      |
| 7779.0          | H               | -                   | -                          | -80.41               | 10.79       | 37.38                   | -57.88                             | -25.00      | -32.88      |
| 10372.0         | H               | -                   | -                          | -81.95               | 14.80       | 39.85                   | -55.41                             | -25.00      | -30.41      |

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

|                         |        |
|-------------------------|--------|
| <b>Bandwidth (MHz):</b> | 20     |
| <b>Frequency (MHz):</b> | 2680.0 |
| <b>RB / Offset:</b>     | 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               | -                   | -                          | -80.27               | 8.30        | 35.03                   | -60.22                             | -25.00      | -35.22      |
| 8040.0          | H               | -                   | -                          | -81.02               | 10.99       | 36.97                   | -58.29                             | -25.00      | -33.29      |
| 10720.0         | H               | -                   | -                          | -81.97               | 15.88       | 40.91                   | -54.34                             | -25.00      | -29.34      |

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

|   |   |                                   |  |
|---|---|-----------------------------------|--|
| <b>FCC ID:</b> BCGA2435                           |  | <b>PART 27 MEASUREMENT REPORT</b> | <b>Approved by:</b><br>Technical Manager |
| <b>Test Report S/N:</b><br>1C2205090025-04-R2.BCG | <b>Test Dates:</b><br>6/1/2022 – 9/12/2022  | <b>EUT Type:</b><br>Tablet Device | Page 238 of 274                          |

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## 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               | -                   | -                          | -79.28               | 6.91        | 34.63                   | -60.63                             | -40.00      | -20.63      |
| 6922.5          | H               | -                   | -                          | -80.15               | 10.28       | 37.13                   | -58.13                             | -40.00      | -18.13      |
| 9230.0          | H               | -                   | -                          | -80.85               | 12.07       | 38.22                   | -57.03                             | -40.00      | -17.03      |

**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               | -                   | -                          | -79.32               | 6.83        | 34.51                   | -60.75                             | -40.00      | -20.75      |
| 6930.0          | H               | -                   | -                          | -80.01               | 10.23       | 37.22                   | -58.03                             | -40.00      | -18.03      |
| 9240.0          | H               | -                   | -                          | -80.98               | 12.25       | 38.27                   | -56.99                             | -40.00      | -16.99      |

**Table 7-81. 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               | -                   | -                          | -79.07               | 6.85        | 34.78                   | -60.48                             | -40.00      | -20.48      |
| 6937.5          | H               | -                   | -                          | -80.22               | 10.21       | 36.99                   | -58.27                             | -40.00      | -18.27      |
| 9250.0          | H               | -                   | -                          | -80.92               | 12.32       | 38.40                   | -56.86                             | -40.00      | -16.86      |

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

|  |   |                            |                                   |
|--|---|----------------------------|-----------------------------------|
| FCC ID: BCGA2435                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-04-R2.BCG | Test Dates:<br>6/1/2022 – 9/12/2022   | EUT Type:<br>Tablet Device | Page 239 of 274                   |

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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               | -                   | -                          | -77.59               | 3.89        | 33.30                   | -61.96                             | -25.00      | -36.96      |
| 7560.0          | H               | -                   | -                          | -80.09               | 8.93        | 35.84                   | -59.42                             | -25.00      | -34.42      |
| 10080.0         | H               | -                   | -                          | -82.95               | 13.17       | 37.22                   | -58.04                             | -25.00      | -33.04      |

**Table 7-83. 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               | -                   | -                          | -77.83               | 3.99        | 33.16                   | -62.09                             | -25.00      | -37.09      |
| 7605.0          | H               | -                   | -                          | -80.07               | 9.07        | 36.00                   | -59.25                             | -25.00      | -34.25      |
| 10140.0         | H               | -                   | -                          | -83.04               | 13.37       | 37.33                   | -57.93                             | -25.00      | -32.93      |

**Table 7-84. 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               | -                   | -                          | -77.81               | 4.23        | 33.42                   | -61.84                             | -25.00      | -36.84      |
| 7650.0          | H               | -                   | -                          | -80.15               | 8.86        | 35.71                   | -59.55                             | -25.00      | -34.55      |
| 10200.0         | H               | -                   | -                          | -83.20               | 13.78       | 37.58                   | -57.68                             | -25.00      | -32.68      |

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

|  |   |                            |  |                                   |
|--|---|----------------------------|--|-----------------------------------|
| FCC ID: BCGA2435                           |  | PART 27 MEASUREMENT REPORT |  | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-04-R2.BCG | Test Dates:<br>6/1/2022 – 9/12/2022   | EUT Type:<br>Tablet Device |  | Page 240 of 274                   |

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## NR Band n41

|                         |         |
|-------------------------|---------|
| <b>Bandwidth (MHz):</b> | 100     |
| <b>Frequency (MHz):</b> | 2546.0  |
| <b>RB / Offset:</b>     | 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               | -                   | -                          | -80.08               | 7.62        | 34.54                   | -60.72                             | -25.00      | -35.72      |
| 7638.0          | H               | -                   | -                          | -80.25               | 11.14       | 37.89                   | -57.37                             | -25.00      | -32.37      |
| 10184.0         | H               | -                   | -                          | -81.61               | 14.23       | 39.62                   | -55.64                             | -25.00      | -30.64      |

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

|                         |         |
|-------------------------|---------|
| <b>Bandwidth (MHz):</b> | 100     |
| <b>Frequency (MHz):</b> | 2593.0  |
| <b>RB / Offset:</b>     | 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               | -                   | -                          | -80.15               | 7.66        | 34.51                   | -60.75                             | -25.00      | -35.75      |
| 7779.0          | H               | -                   | -                          | -80.22               | 10.80       | 37.58                   | -57.68                             | -25.00      | -32.68      |
| 10372.0         | H               | -                   | -                          | -81.87               | 14.81       | 39.94                   | -55.32                             | -25.00      | -30.32      |

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

|                         |         |
|-------------------------|---------|
| <b>Bandwidth (MHz):</b> | 100     |
| <b>Frequency (MHz):</b> | 2640.0  |
| <b>RB / Offset:</b>     | 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               | -                   | -                          | -79.99               | 7.40        | 34.41                   | -60.85                             | -25.00      | -35.85      |
| 7920.0          | H               | -                   | -                          | -80.89               | 11.28       | 37.39                   | -57.87                             | -25.00      | -32.87      |
| 10560.0         | H               | -                   | -                          | -81.58               | 14.86       | 40.28                   | -54.98                             | -25.00      | -29.98      |

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

|   |   |                                   |  |
|---|---|-----------------------------------|--|
| <b>FCC ID:</b> BCGA2435                           |  | <b>PART 27 MEASUREMENT REPORT</b> | <b>Approved by:</b><br>Technical Manager |
| <b>Test Report S/N:</b><br>1C2205090025-04-R2.BCG | <b>Test Dates:</b><br>6/1/2022 – 9/12/2022  | <b>EUT Type:</b><br>Tablet Device | Page 241 of 274                          |

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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               | -                   | -                          | -77.66               | 3.94        | 33.28                   | -61.98                             | -25.00      | -36.98      |
| 7530.0          | H               | -                   | -                          | -79.92               | 8.95        | 36.03                   | -59.23                             | -25.00      | -34.23      |
| 10040.0         | H               | -                   | -                          | -82.46               | 13.28       | 37.82                   | -57.44                             | -25.00      | -32.44      |

**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               | -                   | -                          | -77.52               | 3.99        | 33.47                   | -61.78                             | -25.00      | -36.78      |
| 7605.0          | H               | -                   | -                          | -79.71               | 9.07        | 36.36                   | -58.89                             | -25.00      | -33.89      |
| 10140.0         | H               | -                   | -                          | -82.75               | 13.37       | 37.62                   | -57.64                             | -25.00      | -32.64      |

**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               | -                   | -                          | -77.55               | 4.41        | 33.86                   | -61.39                             | -25.00      | -36.39      |
| 7680.0          | H               | -                   | -                          | -79.80               | 9.02        | 36.22                   | -59.04                             | -25.00      | -34.04      |
| 10240.0         | H               | -                   | -                          | -82.84               | 14.22       | 38.38                   | -56.88                             | -25.00      | -31.88      |

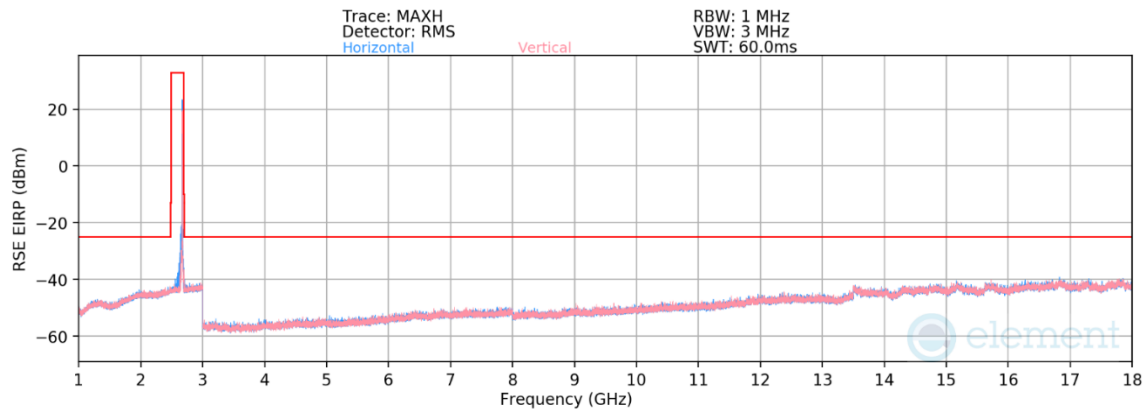
**Table 7-91. Radiated Spurious Data (ULCA LTE B7 – High Channel)**

|  |   |                            |                                   |
|--|---|----------------------------|-----------------------------------|
| FCC ID: BCGA2435                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-04-R2.BCG | Test Dates:<br>6/1/2022 – 9/12/2022   | EUT Type:<br>Tablet Device | Page 242 of 274                   |

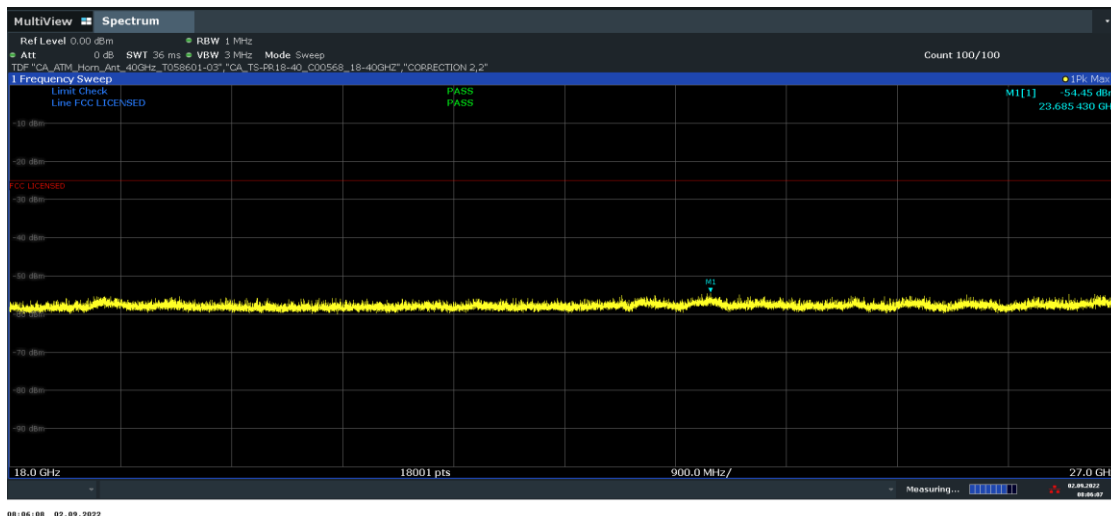
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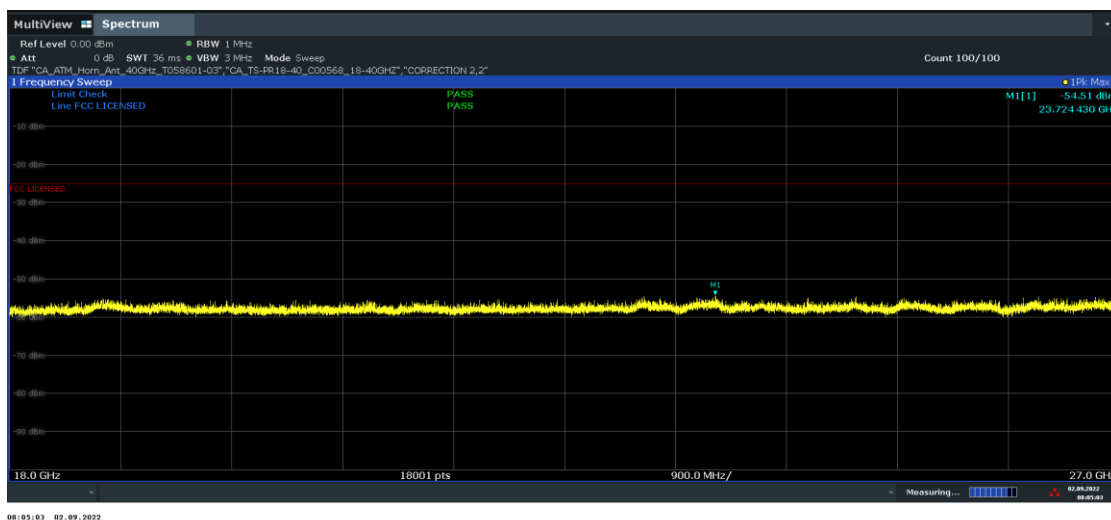
## ULCA - LTE B41



Plot 7-320. Antenna 1 Radiated Spurious Plot 1GHz – 18GHz (ULCA LTE B41)



Plot 7-321. Antenna 1 Radiated Spurious Emission above 18GHz (ULCA LTE B41, Pol. H)



Plot 7-322. Antenna 1 Radiated Spurious Emission above 18GHz (ULCA LTE B41, Pol. V)

|  |                                     |                                   |
|--|-------------------------------------|-----------------------------------|
| FCC ID: BCGA2435                           | PART 27 MEASUREMENT REPORT          | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-04-R2.BCG | Test Dates:<br>6/1/2022 – 9/12/2022 | EUT Type:<br>Tablet Device        |
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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               | -                   | -                          | -79.79               | 7.58        | 34.79                   | -60.47                             | -25.00      | -35.47      |
| 7518.0          | H               | -                   | -                          | -80.67               | 10.86       | 37.19                   | -58.07                             | -25.00      | -33.07      |
| 10024.0         | H               | -                   | -                          | -81.17               | 13.71       | 39.54                   | -55.71                             | -25.00      | -30.71      |

**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               | -                   | -                          | -78.89               | 7.66        | 35.77                   | -59.49                             | -25.00      | -34.49      |
| 7779.0          | H               | -                   | -                          | -80.10               | 10.80       | 37.70                   | -57.56                             | -25.00      | -32.56      |
| 10372.0         | H               | -                   | -                          | -81.70               | 14.81       | 40.11                   | -55.15                             | -25.00      | -30.15      |

**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               | -                   | -                          | -79.12               | 8.32        | 36.20                   | -59.05                             | -25.00      | -34.05      |
| 8040.0          | H               | -                   | -                          | -80.13               | 11.03       | 37.90                   | -57.36                             | -25.00      | -32.36      |
| 10720.0         | H               | -                   | -                          | -81.17               | 15.87       | 41.70                   | -53.55                             | -25.00      | -28.55      |

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

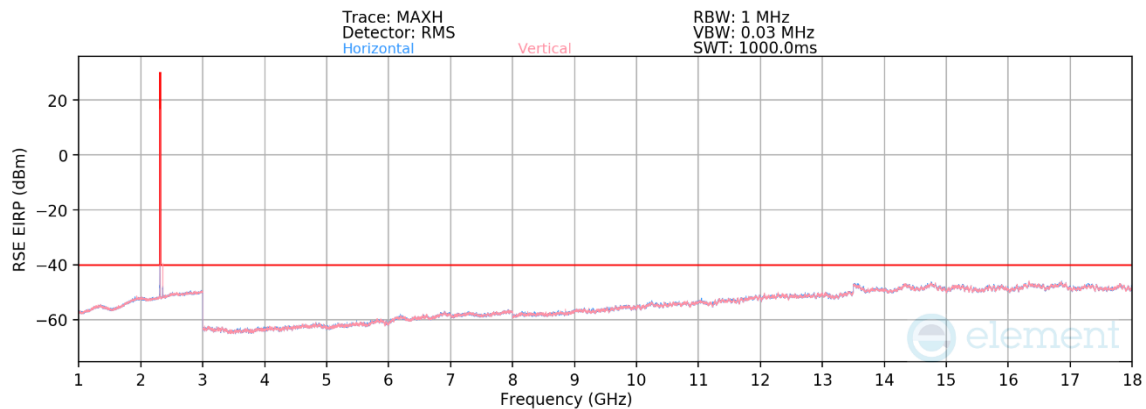
|  |   |                            |                                   |
|--|---|----------------------------|-----------------------------------|
| FCC ID: BCGA2435                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-04-R2.BCG | Test Dates:<br>6/1/2022 – 9/12/2022   | EUT Type:<br>Tablet Device | Page 244 of 274                   |

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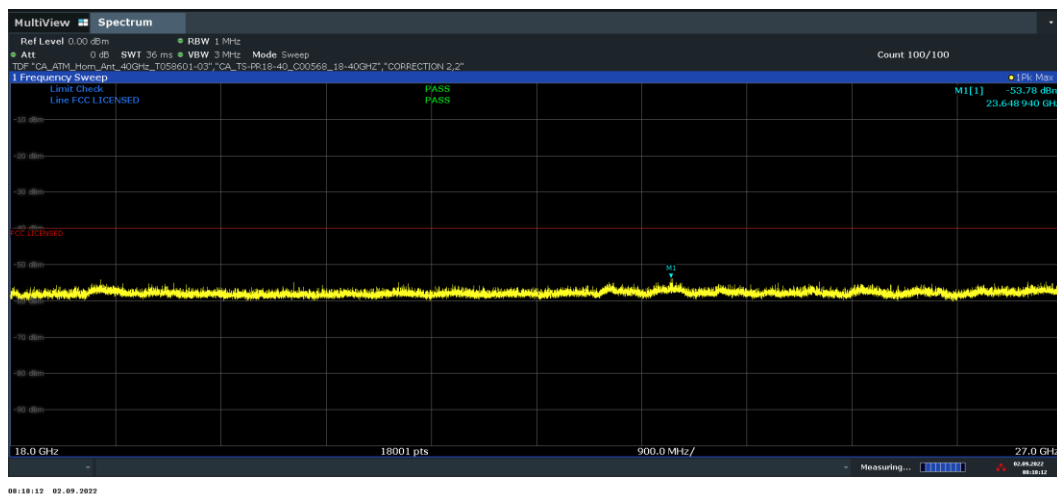
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## 7.7.3 Antenna 3 Radiated Spurious Emission Measurements

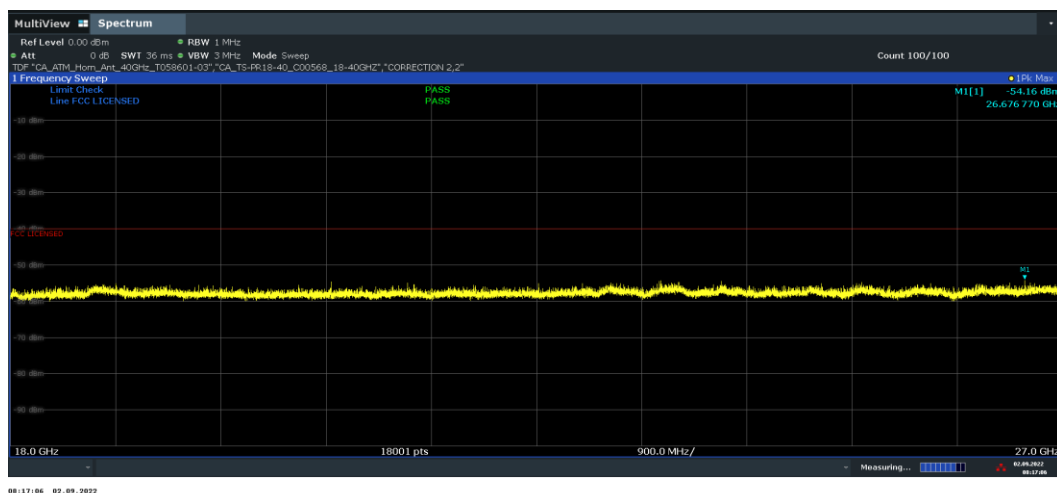
### LTE Band 30



Plot 7-323. Antenna 3 Radiated Spurious Plot 1GHz – 18GHz (LTE Band 30)



Plot 7-324. Antenna 3 Radiated Spurious Emission above 18GHz (LTE B30, Pol. H)



Plot 7-325. Antenna 3 Radiated Spurious Emission above 18GHz (LTE B30, Pol. V)

|  |                                     |                            |                                   |
|--|-------------------------------------|----------------------------|-----------------------------------|
| FCC ID: BCGA2435                           | element                             | PART 27 MEASUREMENT REPORT | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-04-R2.BCG | Test Dates:<br>6/1/2022 – 9/12/2022 | EUT Type:<br>Tablet Device | Page 245 of 274                   |

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|                         |        |
|-------------------------|--------|
| <b>Bandwidth (MHz):</b> | 5      |
| <b>Frequency (MHz):</b> | 2307.5 |
| <b>RB / Offset:</b>     | 1 / 24 |

| 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               | -                   | -                          | -79.84               | 6.82        | 33.98                   | -61.27                             | -40.00      | -21.27      |
| 6922.5          | V               | -                   | -                          | -80.71               | 10.30       | 36.59                   | -58.67                             | -40.00      | -18.67      |
| 9230.0          | V               | -                   | -                          | -81.56               | 12.14       | 37.58                   | -57.68                             | -40.00      | -17.68      |

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

|                         |        |
|-------------------------|--------|
| <b>Bandwidth (MHz):</b> | 10     |
| <b>Frequency (MHz):</b> | 2310.0 |
| <b>RB / Offset:</b>     | 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               | -                   | -                          | -79.93               | 6.76        | 33.83                   | -61.43                             | -40.00      | -21.43      |
| 6930.0          | V               | -                   | -                          | -80.54               | 10.26       | 36.72                   | -58.54                             | -40.00      | -18.54      |
| 9240.0          | V               | -                   | -                          | -81.46               | 12.31       | 37.85                   | -57.40                             | -40.00      | -17.40      |

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

|                         |        |
|-------------------------|--------|
| <b>Bandwidth (MHz):</b> | 5      |
| <b>Frequency (MHz):</b> | 2312.5 |
| <b>RB / Offset:</b>     | 1 / 24 |

| 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               | -                   | -                          | -79.64               | 6.79        | 34.15                   | -61.11                             | -40.00      | -21.11      |
| 6937.50         | V               | -                   | -                          | -80.71               | 10.24       | 36.53                   | -58.73                             | -40.00      | -18.73      |
| 9250.00         | V               | -                   | -                          | -82.52               | 12.38       | 36.86                   | -58.40                             | -40.00      | -18.40      |

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

|   |   |                                   |  |
|---|---|-----------------------------------|--|
| <b>FCC ID:</b> BCGA2435                           |  | <b>PART 27 MEASUREMENT REPORT</b> | <b>Approved by:</b><br>Technical Manager |
| <b>Test Report S/N:</b><br>1C2205090025-04-R2.BCG | <b>Test Dates:</b><br>6/1/2022 – 9/12/2022  | <b>EUT Type:</b><br>Tablet Device | Page 246 of 274                          |

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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          | V               | -                   | -                          | -80.67               | 7.63        | 33.96                   | -61.30                             | -25.00      | -36.30      |
| 7530.0          | V               | -                   | -                          | -81.43               | 10.98       | 36.55                   | -58.71                             | -25.00      | -33.71      |
| 10040.0         | V               | -                   | -                          | -82.46               | 13.88       | 38.42                   | -56.84                             | -25.00      | -31.84      |

**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          | V               | -                   | -                          | -80.68               | 7.44        | 33.76                   | -61.50                             | -25.00      | -36.50      |
| 7605.0          | V               | -                   | -                          | -81.09               | 10.90       | 36.81                   | -58.44                             | -25.00      | -33.44      |
| 10140.0         | V               | -                   | -                          | -82.13               | 14.67       | 39.54                   | -55.71                             | -25.00      | -30.71      |

**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         | V               | -                   | -                          | -80.70               | 7.67        | 33.97                   | -61.29                             | -25.00      | -36.29      |
| 7680.00         | V               | -                   | -                          | -80.66               | 10.32       | 36.66                   | -58.60                             | -25.00      | -33.60      |
| 10240.00        | V               | -                   | -                          | -82.20               | 14.12       | 38.92                   | -56.33                             | -25.00      | -31.33      |

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

|  |   |                            |                                   |
|--|---|----------------------------|-----------------------------------|
| FCC ID: BCGA2435                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-04-R2.BCG | Test Dates:<br>6/1/2022 – 9/12/2022   | EUT Type:<br>Tablet Device | Page 247 of 274                   |

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## LTE Band 41

|                         |        |
|-------------------------|--------|
| <b>Bandwidth (MHz):</b> | 20     |
| <b>Frequency (MHz):</b> | 2506.0 |
| <b>RB / Offset:</b>     | 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          | V               | -                   | -                          | -80.00               | 7.61        | 34.61                   | -60.65                             | -25.00      | -35.65      |
| 7518.0          | V               | -                   | -                          | -81.13               | 10.90       | 36.77                   | -58.49                             | -25.00      | -33.49      |
| 10024.0         | V               | -                   | -                          | -81.68               | 13.74       | 39.06                   | -56.20                             | -25.00      | -31.20      |

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

|                         |        |
|-------------------------|--------|
| <b>Bandwidth (MHz):</b> | 20     |
| <b>Frequency (MHz):</b> | 2593.0 |
| <b>RB / Offset:</b>     | 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          | V               | -                   | -                          | -80.01               | 7.62        | 34.61                   | -60.65                             | -25.00      | -35.65      |
| 7779.0          | V               | -                   | -                          | -80.47               | 10.79       | 37.32                   | -57.94                             | -25.00      | -32.94      |
| 10372.0         | V               | -                   | -                          | -82.11               | 14.80       | 39.69                   | -55.57                             | -25.00      | -30.57      |

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

|                         |        |
|-------------------------|--------|
| <b>Bandwidth (MHz):</b> | 20     |
| <b>Frequency (MHz):</b> | 2680.0 |
| <b>RB / Offset:</b>     | 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          | V               | -                   | -                          | -80.10               | 8.30        | 35.20                   | -60.05                             | -25.00      | -35.05      |
| 8040.0          | V               | -                   | -                          | -81.00               | 10.99       | 36.99                   | -58.27                             | -25.00      | -33.27      |
| 10720.0         | V               | -                   | -                          | -82.07               | 15.88       | 40.81                   | -54.44                             | -25.00      | -29.44      |

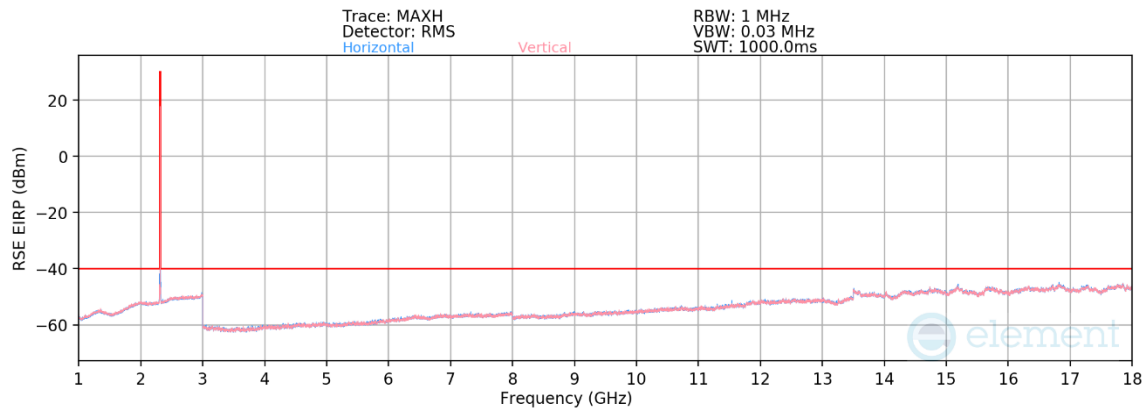
**Table 7-103. Radiated Spurious Data (LTE Band 41 – High Channel)**

|   |   |                                   |  |
|---|---|-----------------------------------|--|
| <b>FCC ID:</b> BCGA2435                           |  | <b>PART 27 MEASUREMENT REPORT</b> | <b>Approved by:</b><br>Technical Manager |
| <b>Test Report S/N:</b><br>1C2205090025-04-R2.BCG | <b>Test Dates:</b><br>6/1/2022 – 9/12/2022  | <b>EUT Type:</b><br>Tablet Device | Page 248 of 274                          |

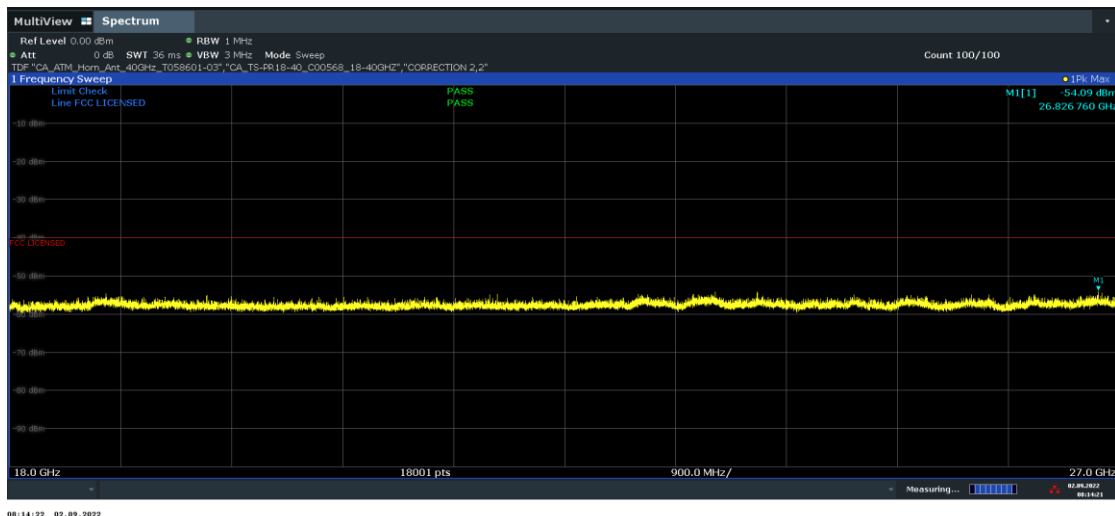
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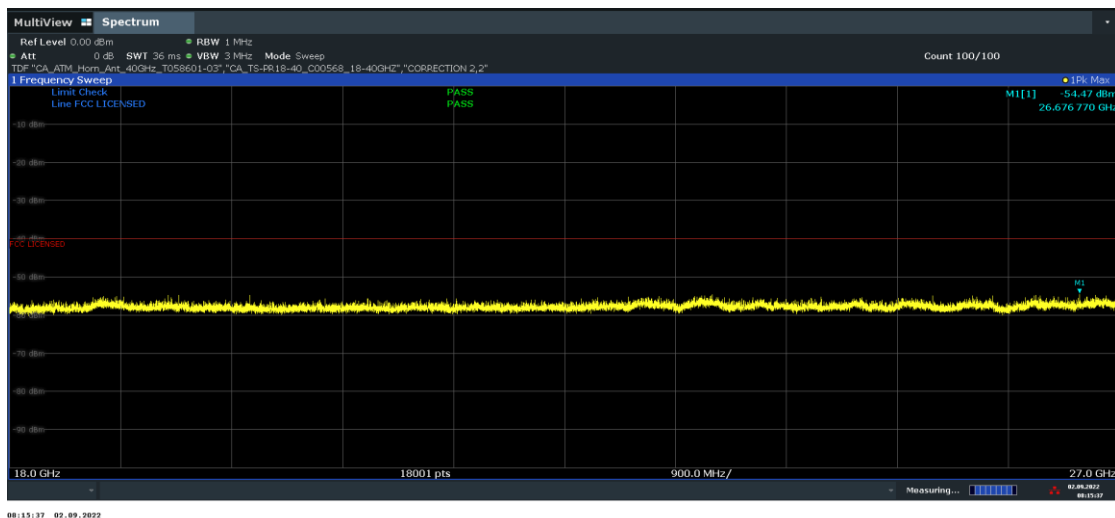
## NR Band n30



Plot 7-326. Antenna 3 Radiated Spurious Plot 1GHz – 18GHz (NR Band n30)



Plot 7-327. Antenna 3 Radiated Spurious Emission above 18GHz (NR Band n30, Pol. H)



Plot 7-328. Antenna 3 Radiated Spurious Emission above 18GHz (NR Band n30, Pol. V)

|  |                                     |                                   |
|--|-------------------------------------|-----------------------------------|
| FCC ID: BCGA2435                           | PART 27 MEASUREMENT REPORT          | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-04-R2.BCG | Test Dates:<br>6/1/2022 – 9/12/2022 | EUT Type:<br>Tablet Device        |
|  |                                     | Page 249 of 274                   |

|                         |        |
|-------------------------|--------|
| <b>Bandwidth (MHz):</b> | 5      |
| <b>Frequency (MHz):</b> | 2307.5 |
| <b>RB / Offset:</b>     | 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          | V               | -                   | -                          | -79.31               | 6.82        | 34.51                   | -60.74                             | -40.00      | -20.74      |
| 6922.5          | V               | 272                 | 182                        | -73.68               | 10.30       | 43.62                   | -51.64                             | -40.00      | -11.64      |
| 9230.0          | V               | -                   | -                          | -80.83               | 12.14       | 38.31                   | -56.95                             | -40.00      | -16.95      |
| 11537.5         | V               | -                   | -                          | -82.37               | 16.79       | 41.42                   | -53.84                             | -40.00      | -13.84      |
| 13845.0         | V               | -                   | -                          | -80.66               | 18.30       | 44.64                   | -50.62                             | -40.00      | -10.62      |

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

|                         |        |
|-------------------------|--------|
| <b>Bandwidth (MHz):</b> | 10     |
| <b>Frequency (MHz):</b> | 2310.0 |
| <b>RB / Offset:</b>     | 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               | -                   | -                          | -79.36               | 6.76        | 34.40                   | -60.86                             | -40.00      | -20.86      |
| 6930.0          | V               | 278                 | 206                        | -70.70               | 10.26       | 46.56                   | -48.70                             | -40.00      | -8.70       |
| 9240.0          | V               | -                   | -                          | -81.04               | 12.31       | 38.27                   | -56.98                             | -40.00      | -16.98      |
| 11550.0         | V               | -                   | -                          | -82.34               | 16.73       | 41.39                   | -53.86                             | -40.00      | -13.86      |
| 13860.0         | V               | -                   | -                          | -80.57               | 18.01       | 44.44                   | -50.82                             | -40.00      | -10.82      |

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

|                         |        |
|-------------------------|--------|
| <b>Bandwidth (MHz):</b> | 5      |
| <b>Frequency (MHz):</b> | 2312.5 |
| <b>RB / Offset:</b>     | 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          | V               | -                   | -                          | -77.45               | 3.92        | 33.47                   | -61.79                             | -40.00      | -21.79      |
| 6937.5          | V               | 227                 | 216                        | -77.39               | 8.30        | 37.91                   | -57.35                             | -40.00      | -17.35      |
| 9250.0          | V               | -                   | -                          | -82.07               | 11.27       | 36.20                   | -59.06                             | -40.00      | -19.06      |
| 11562.5         | V               | -                   | -                          | -83.74               | 17.18       | 40.44                   | -54.82                             | -40.00      | -14.82      |
| 13875.0         | V               | -                   | -                          | -83.53               | 18.77       | 42.24                   | -53.02                             | -40.00      | -13.02      |

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

|   |   |                                   |  |
|---|---|-----------------------------------|--|
| <b>FCC ID:</b> BCGA2435                           |  | <b>PART 27 MEASUREMENT REPORT</b> | <b>Approved by:</b><br>Technical Manager |
| <b>Test Report S/N:</b><br>1C2205090025-04-R2.BCG | <b>Test Dates:</b><br>6/1/2022 – 9/12/2022  | <b>EUT Type:</b><br>Tablet Device | Page 250 of 274                          |

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## NR Band n7

|                         |         |
|-------------------------|---------|
| <b>Bandwidth (MHz):</b> | 40      |
| <b>Frequency (MHz):</b> | 2520.0  |
| <b>RB / Offset:</b>     | 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          | V               | -                   | -                          | -77.81               | 3.89        | 33.08                   | -62.18                             | -25.00      | -37.18      |
| 7560.0          | V               | 289                 | 218                        | -79.38               | 8.93        | 36.55                   | -58.71                             | -25.00      | -33.71      |
| 10080.0         | V               | -                   | -                          | -83.07               | 13.17       | 37.10                   | -58.16                             | -25.00      | -33.16      |
| 12600.0         | V               | -                   | -                          | -84.36               | 17.97       | 40.61                   | -54.65                             | -25.00      | -29.65      |
| 15120.0         | V               | -                   | -                          | -84.68               | 20.67       | 42.99                   | -52.27                             | -25.00      | -27.27      |

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

|                         |         |
|-------------------------|---------|
| <b>Bandwidth (MHz):</b> | 40      |
| <b>Frequency (MHz):</b> | 2535.0  |
| <b>RB / Offset:</b>     | 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               | -                   | -                          | -77.83               | 3.99        | 33.16                   | -62.09                             | -25.00      | -37.09      |
| 7605.0          | H               | -                   | -                          | -80.07               | 9.07        | 36.00                   | -59.25                             | -25.00      | -34.25      |
| 10140.0         | H               | -                   | -                          | -83.04               | 13.37       | 37.33                   | -57.93                             | -25.00      | -32.93      |

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

|                         |         |
|-------------------------|---------|
| <b>Bandwidth (MHz):</b> | 40      |
| <b>Frequency (MHz):</b> | 2550.0  |
| <b>RB / Offset:</b>     | 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               | -                   | -                          | -77.81               | 4.23        | 33.42                   | -61.84                             | -25.00      | -36.84      |
| 7650.0          | H               | -                   | -                          | -80.15               | 8.86        | 35.71                   | -59.55                             | -25.00      | -34.55      |
| 10200.0         | H               | -                   | -                          | -83.20               | 13.78       | 37.58                   | -57.68                             | -25.00      | -32.68      |

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

|   |   |                                   |  |
|---|---|-----------------------------------|--|
| <b>FCC ID:</b> BCGA2435                           |  | <b>PART 27 MEASUREMENT REPORT</b> | <b>Approved by:</b><br>Technical Manager |
| <b>Test Report S/N:</b><br>1C2205090025-04-R2.BCG | <b>Test Dates:</b><br>6/1/2022 – 9/12/2022  | <b>EUT Type:</b><br>Tablet Device | Page 251 of 274                          |

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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          | V               | -                   | -                          | -79.72               | 7.60        | 34.88                   | -60.38                             | -25.00      | -35.38      |
| 7638.0          | V               | 269                 | 31                         | -77.08               | 11.17       | 41.09                   | -54.17                             | -25.00      | -29.17      |
| 10184.0         | V               | -                   | -                          | -81.72               | 14.24       | 39.52                   | -55.74                             | -25.00      | -30.74      |
| 12730.0         | V               | -                   | -                          | -83.03               | 18.38       | 42.35                   | -52.91                             | -25.00      | -27.91      |
| 15276.0         | V               | -                   | -                          | -82.67               | 20.90       | 45.23                   | -50.02                             | -25.00      | -25.02      |

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          | V               | -                   | -                          | -79.89               | 7.62        | 34.73                   | -60.53                             | -25.00      | -35.53      |
| 7779.0          | V               | 287                 | 61                         | -75.97               | 10.79       | 41.82                   | -53.44                             | -25.00      | -28.44      |
| 10372.0         | V               | -                   | -                          | -81.92               | 14.80       | 39.88                   | -55.38                             | -25.00      | -30.38      |
| 12965.0         | V               | -                   | -                          | -83.40               | 18.36       | 41.96                   | -53.29                             | -25.00      | -28.29      |
| 15558.0         | V               | -                   | -                          | -83.56               | 21.82       | 45.26                   | -49.99                             | -25.00      | -24.99      |

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          | V               | -                   | -                          | -79.75               | 7.43        | 34.68                   | -60.57                             | -25.00      | -35.57      |
| 7920.0          | V               | 290                 | 348                        | -75.40               | 11.29       | 42.89                   | -52.37                             | -25.00      | -27.37      |
| 10560.0         | V               | -                   | -                          | -81.82               | 14.86       | 40.04                   | -55.21                             | -25.00      | -30.21      |
| 13200.0         | V               | -                   | -                          | -82.85               | 18.39       | 42.54                   | -52.72                             | -25.00      | -27.72      |
| 15840.0         | V               | -                   | -                          | -83.41               | 21.66       | 45.25                   | -50.01                             | -25.00      | -25.01      |

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

|  |   |                            |                                   |
|--|---|----------------------------|-----------------------------------|
| FCC ID: BCGA2435                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-04-R2.BCG | Test Dates:<br>6/1/2022 – 9/12/2022   | EUT Type:<br>Tablet Device | Page 252 of 274                   |

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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          | V               | -                   | -                          | -77.50               | 3.94        | 33.44                   | -61.82                             | -25.00      | -36.82      |
| 7530.0          | V               | -                   | -                          | -79.92               | 8.95        | 36.03                   | -59.23                             | -25.00      | -34.23      |
| 10040.0         | V               | -                   | -                          | -82.37               | 13.28       | 37.91                   | -57.35                             | -25.00      | -32.35      |

**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          | V               | -                   | -                          | -77.30               | 3.99        | 33.69                   | -61.56                             | -25.00      | -36.56      |
| 7605.0          | V               | -                   | -                          | -79.80               | 9.07        | 36.27                   | -58.98                             | -25.00      | -33.98      |
| 10140.0         | V               | -                   | -                          | -82.83               | 13.37       | 37.54                   | -57.72                             | -25.00      | -32.72      |

**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          | V               | -                   | -                          | -77.50               | 4.41        | 33.91                   | -61.34                             | -25.00      | -36.34      |
| 7680.0          | V               | -                   | -                          | -79.67               | 9.02        | 36.35                   | -58.91                             | -25.00      | -33.91      |
| 10240.0         | V               | -                   | -                          | -82.87               | 14.22       | 38.35                   | -56.91                             | -25.00      | -31.91      |

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

|  |   |                            |  |  |  |  |                                   |
|--|---|----------------------------|--|--|--|--|-----------------------------------|
| FCC ID: BCGA2435                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            |  |  |  |  | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-04-R2.BCG | Test Dates:<br>6/1/2022 – 9/12/2022   | EUT Type:<br>Tablet Device |  |  |  |  | Page 253 of 274                   |

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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          | V               | -                   | -                          | -79.22               | 7.58        | 35.36                   | -59.90                             | -25.00      | -34.90      |
| 7518.0          | V               | -                   | -                          | -79.91               | 10.86       | 37.95                   | -57.31                             | -25.00      | -32.31      |
| 10024.0         | V               | -                   | -                          | -80.89               | 13.71       | 39.82                   | -55.43                             | -25.00      | -30.43      |

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          | V               | -                   | -                          | -79.98               | 7.66        | 34.68                   | -60.58                             | -25.00      | -35.58      |
| 7779.0          | V               | -                   | -                          | -79.72               | 10.80       | 38.08                   | -57.18                             | -25.00      | -32.18      |
| 10372.0         | V               | -                   | -                          | -81.04               | 14.81       | 40.77                   | -54.49                             | -25.00      | -29.49      |

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          | V               | -                   | -                          | -79.18               | 8.32        | 36.14                   | -59.11                             | -25.00      | -34.11      |
| 8040.0          | V               | -                   | -                          | -80.06               | 11.03       | 37.97                   | -57.29                             | -25.00      | -32.29      |
| 10720.0         | V               | -                   | -                          | -81.13               | 15.87       | 41.74                   | -53.51                             | -25.00      | -28.51      |

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

|  |   |                            |  |  |  |  |                                   |
|--|---|----------------------------|--|--|--|--|-----------------------------------|
| FCC ID: BCGA2435                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            |  |  |  |  | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-04-R2.BCG | Test Dates:<br>6/1/2022 – 9/12/2022   | EUT Type:<br>Tablet Device |  |  |  |  | Page 254 of 274                   |

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## 7.7.4 Antenna 2b Radiated Spurious Emission Measurements

### LTE Band 30

|                         |        |
|-------------------------|--------|
| <b>Bandwidth (MHz):</b> | 5      |
| <b>Frequency (MHz):</b> | 2307.5 |
| <b>RB / Offset:</b>     | 1 / 24 |

| 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               | -                   | -                          | -79.72               | 6.82        | 34.10                   | -61.15                             | -40.00      | -21.15      |
| 6922.5          | V               | -                   | -                          | -80.56               | 10.30       | 36.74                   | -58.52                             | -40.00      | -18.52      |
| 9230.0          | V               | -                   | -                          | -81.66               | 12.14       | 37.48                   | -57.78                             | -40.00      | -17.78      |

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

|                         |        |
|-------------------------|--------|
| <b>Bandwidth (MHz):</b> | 10     |
| <b>Frequency (MHz):</b> | 2310.0 |
| <b>RB / Offset:</b>     | 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               | -                   | -                          | -79.77               | 6.76        | 33.99                   | -61.27                             | -40.00      | -21.27      |
| 6930.0          | V               | -                   | -                          | -80.52               | 10.26       | 36.74                   | -58.52                             | -40.00      | -18.52      |
| 9240.0          | V               | -                   | -                          | -81.44               | 12.31       | 37.87                   | -57.38                             | -40.00      | -17.38      |

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

|                         |        |
|-------------------------|--------|
| <b>Bandwidth (MHz):</b> | 5      |
| <b>Frequency (MHz):</b> | 2312.5 |
| <b>RB / Offset:</b>     | 1 / 24 |

| 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               | -                   | -                          | -79.86               | 6.79        | 33.93                   | -61.33                             | -40.00      | -21.33      |
| 6937.50         | V               | -                   | -                          | -80.42               | 10.24       | 36.82                   | -58.44                             | -40.00      | -18.44      |
| 9250.00         | V               | -                   | -                          | -81.80               | 12.38       | 37.58                   | -57.68                             | -40.00      | -17.68      |

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

|   |   |                                   |  |
|---|---|-----------------------------------|--|
| <b>FCC ID:</b> BCGA2435                           |  <b>PART 27 MEASUREMENT REPORT</b> |                                   | <b>Approved by:</b><br>Technical Manager |
| <b>Test Report S/N:</b><br>1C2205090025-04-R2.BCG | <b>Test Dates:</b><br>6/1/2022 – 9/12/2022  | <b>EUT Type:</b><br>Tablet Device | Page 255 of 274                          |

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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          | V               | -                   | -                          | -80.55               | 7.63        | 34.08                   | -61.18                             | -25.00      | -36.18      |
| 7530.0          | V               | -                   | -                          | -81.40               | 10.98       | 36.58                   | -58.68                             | -25.00      | -33.68      |
| 10040.0         | V               | -                   | -                          | -82.70               | 13.88       | 38.18                   | -57.08                             | -25.00      | -32.08      |

**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          | V               | -                   | -                          | -80.75               | 7.44        | 33.69                   | -61.57                             | -25.00      | -36.57      |
| 7605.0          | V               | -                   | -                          | -81.15               | 10.90       | 36.75                   | -58.50                             | -25.00      | -33.50      |
| 10140.0         | V               | -                   | -                          | -82.33               | 14.67       | 39.34                   | -55.91                             | -25.00      | -30.91      |

**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         | V               | -                   | -                          | -80.53               | 7.67        | 34.14                   | -61.12                             | -25.00      | -36.12      |
| 7680.00         | V               | -                   | -                          | -80.67               | 10.32       | 36.65                   | -58.61                             | -25.00      | -33.61      |
| 10240.00        | V               | -                   | -                          | -82.28               | 14.12       | 38.84                   | -56.41                             | -25.00      | -31.41      |

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

|  |   |                            |                                   |
|--|---|----------------------------|-----------------------------------|
| FCC ID: BCGA2435                           |  <b>PART 27 MEASUREMENT REPORT</b> |                            | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2205090025-04-R2.BCG | Test Dates:<br>6/1/2022 – 9/12/2022   | EUT Type:<br>Tablet Device | Page 256 of 274                   |

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