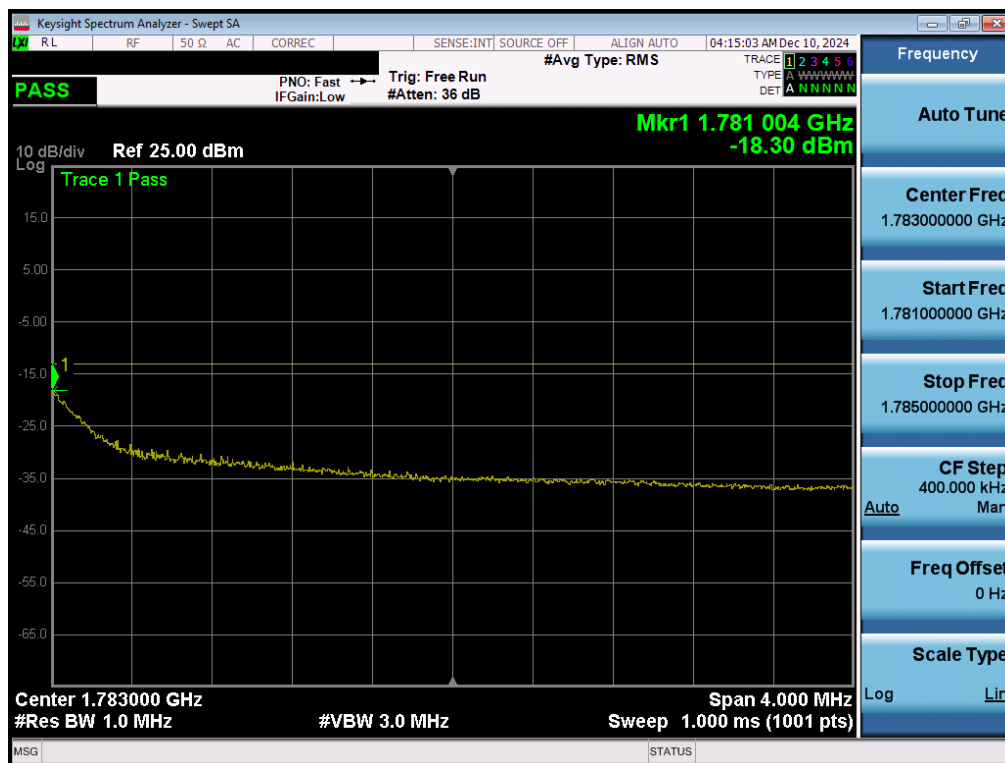




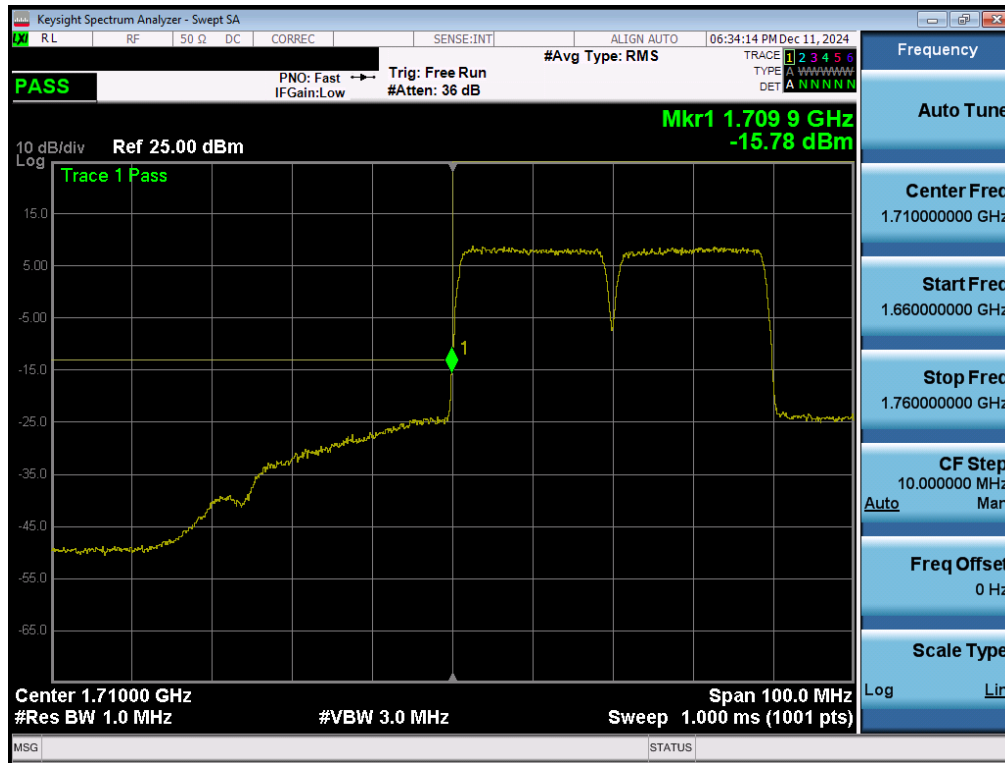
Plot 7-208. Upper Band Edge Plot (NR Band n66 - 10.0MHz - Full RB - Ant 1)



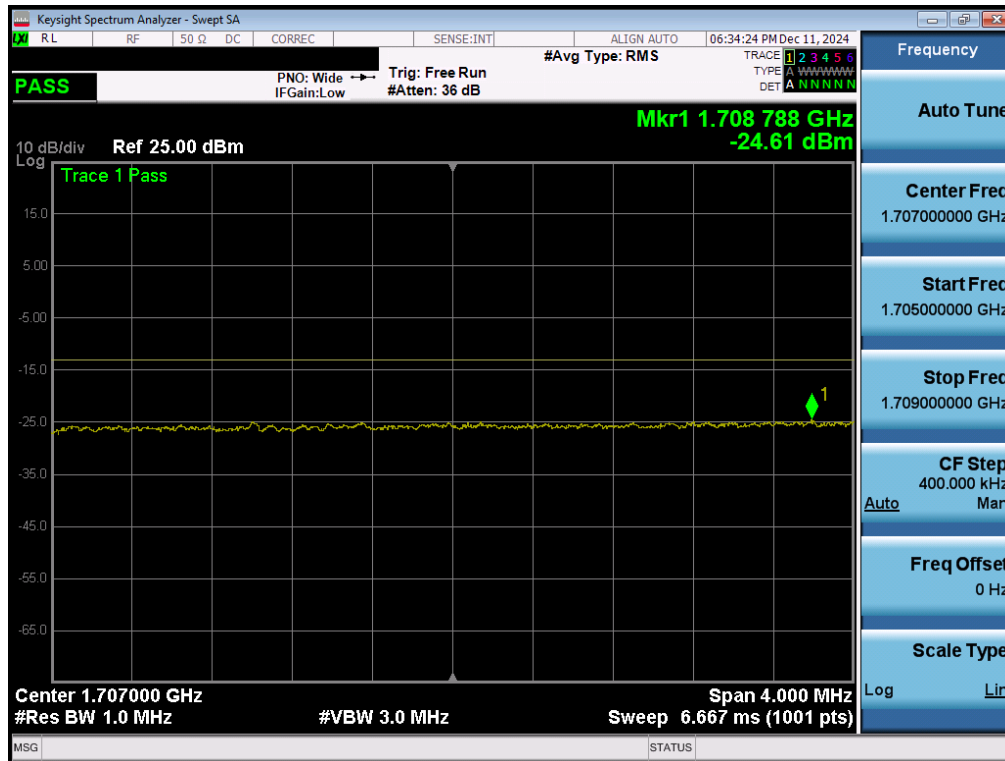
Plot 7-209. Upper Extended Band Edge Plot (NR Band n66 - 10.0MHz - Full RB - Ant 1)

|                                            |                                      |                           |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular | Page 149 of 205                   |

## Uplink CA LTE Band 66B/C – Ant 1



Plot 7-210. Lower Band Edge Plot (ULCA LTE Band 66 - 20+20MHz - Full RB - Ant 1)



Plot 7-211. Lower Extended Band Edge Plot (ULCA LTE Band 66 - 20+20MHz - Full RB - Ant 1)

|                                            |                                      |                           |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular | Page 150 of 205                   |



Plot 7-212. Upper Band Edge Plot (ULCA LTE Band 66 - 20+20MHz - Full RB - Ant 1)



Plot 7-213. Upper Extended Band Edge Plot (ULCA LTE Band 66 - 20+20MHz - Full RB - Ant 1)

|                                            |                                      |                           |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular | Page 151 of 205                   |

## 7.6 Peak-Average Ratio

### Test Overview

A peak to average ratio measurement is performed at the conducted port of the EUT. The spectrum analyzers Complementary Cumulative Distribution Function (CCDF) measurement profile is used to determine the largest deviation between the average and the peak power of the EUT in a given bandwidth. The CCDF curve shows how much time the peak waveform spends at or above a given average power level. The percent of time the signal spends at or above the level defines the probability for that particular power level.

### Test Procedure Used

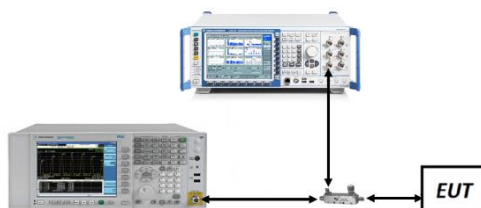
ANSI C63.26-2015 – Section 5.2.3.4

### Test Settings

1. The signal analyzer's CCDF measurement profile is enabled
2. Frequency = carrier center frequency
3. Measurement BW  $\geq$  OBW or specified reference bandwidth
4. The signal analyzer was set to collect one million samples to generate the CCDF curve
5. The measurement interval was set depending on the type of signal analyzed. For continuous signals (>98% duty cycle), the measurement interval was set to 1ms. For burst transmissions, the spectrum analyzer is set to use an internal "RF Burst" trigger that is synced with an incoming pulse and the measurement interval is set to less than the duration of the "on time" of one burst to ensure that energy is only captured during a time in which the transmitter is operating at maximum power

### Test Setup

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



**Figure 7-5. Test Instrument & Measurement Setup**

### Test Notes

For the QAM modulations, 256QAM was found to have the worst-case peak-to-average ratio so it is the only QAM measurement included in this section.

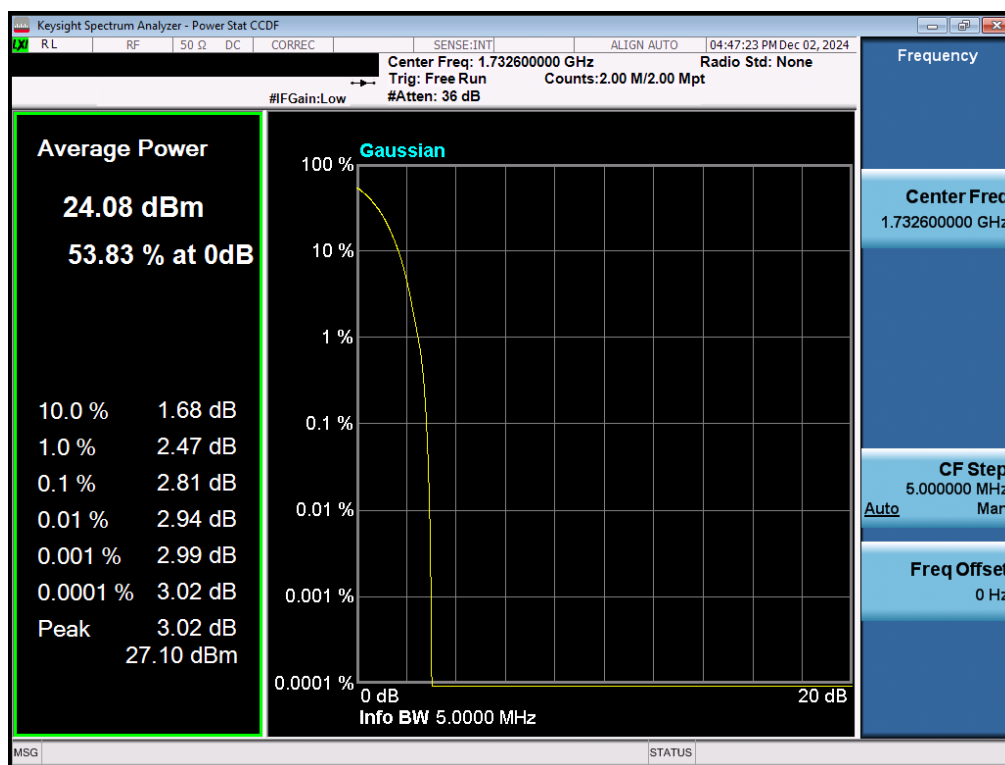
|                                            |                                      |                           |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular | Page 152 of 205                   |

| Mode      | Bandwidth | Modulation   | Average Power [dBm] | PAR at 0.1% [dB] | PAR Limit [dB] | Margin [dB] |
|-----------|-----------|--------------|---------------------|------------------|----------------|-------------|
| WCDMA-AWS | 5MHz      | GMSK         | 24.08               | 2.81             | 13             | -10.19      |
| LTE-B66-4 | 20MHz     | QPSK         | 23.18               | 4.94             | 13             | -8.06       |
|           |           | 256QAM       | 19.17               | 6.98             | 13             | -6.02       |
|           | 15MHz     | QPSK         | 23.15               | 4.90             | 13             | -8.10       |
|           |           | 256QAM       | 19.15               | 6.65             | 13             | -6.35       |
|           | 10MHz     | QPSK         | 23.27               | 5.05             | 13             | -7.95       |
|           |           | 256QAM       | 19.32               | 6.78             | 13             | -6.22       |
|           | 5MHz      | QPSK         | 23.33               | 4.90             | 13             | -8.10       |
|           |           | 256QAM       | 19.38               | 6.88             | 13             | -6.12       |
|           | 3MHz      | QPSK         | 23.31               | 4.74             | 13             | -8.26       |
|           |           | 256QAM       | 19.40               | 7.09             | 13             | -5.91       |
|           | 1.4MHz    | QPSK         | 23.28               | 5.08             | 13             | -7.92       |
|           |           | 256QAM       | 19.37               | 7.11             | 13             | -5.89       |
| NR-n66    | 40MHz     | $\pi/2$ BPSK | 23.82               | 4.01             | 13             | -8.99       |
|           |           | QPSK         | 21.40               | 6.52             | 13             | -6.48       |
|           |           | 256QAM       | 17.84               | 8.33             | 13             | -4.67       |
|           | 30MHz     | $\pi/2$ BPSK | 23.43               | 3.94             | 13             | -9.06       |
|           |           | QPSK         | 20.69               | 6.55             | 13             | -6.45       |
|           |           | 256QAM       | 17.20               | 8.37             | 13             | -4.63       |
|           | 25MHz     | $\pi/2$ BPSK | 23.25               | 4.00             | 13             | -9.00       |
|           |           | QPSK         | 20.75               | 6.73             | 13             | -6.27       |
|           |           | 256QAM       | 17.21               | 8.51             | 13             | -4.49       |
|           | 20MHz     | $\pi/2$ BPSK | 23.28               | 3.79             | 13             | -9.21       |
|           |           | QPSK         | 20.71               | 6.48             | 13             | -6.52       |
|           |           | 256QAM       | 17.15               | 8.45             | 13             | -4.55       |
|           | 15MHz     | $\pi/2$ BPSK | 23.31               | 3.90             | 13             | -9.10       |
|           |           | QPSK         | 20.61               | 6.56             | 13             | -6.44       |
|           |           | 256QAM       | 17.05               | 8.48             | 13             | -4.52       |
|           | 10MHz     | $\pi/2$ BPSK | 23.89               | 3.92             | 13             | -9.08       |
|           |           | QPSK         | 21.36               | 6.67             | 13             | -6.33       |
|           |           | 256QAM       | 17.80               | 8.57             | 13             | -4.43       |
|           | 5MHz      | $\pi/2$ BPSK | 23.26               | 3.82             | 13             | -9.18       |
|           |           | QPSK         | 20.72               | 6.62             | 13             | -6.38       |
|           |           | 256QAM       | 17.16               | 8.45             | 13             | -4.55       |

Table 7-32. Peak-Average Ratio Edge Test Results – Ant 1

|                                            |                                      |                           |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular | Page 153 of 205                   |

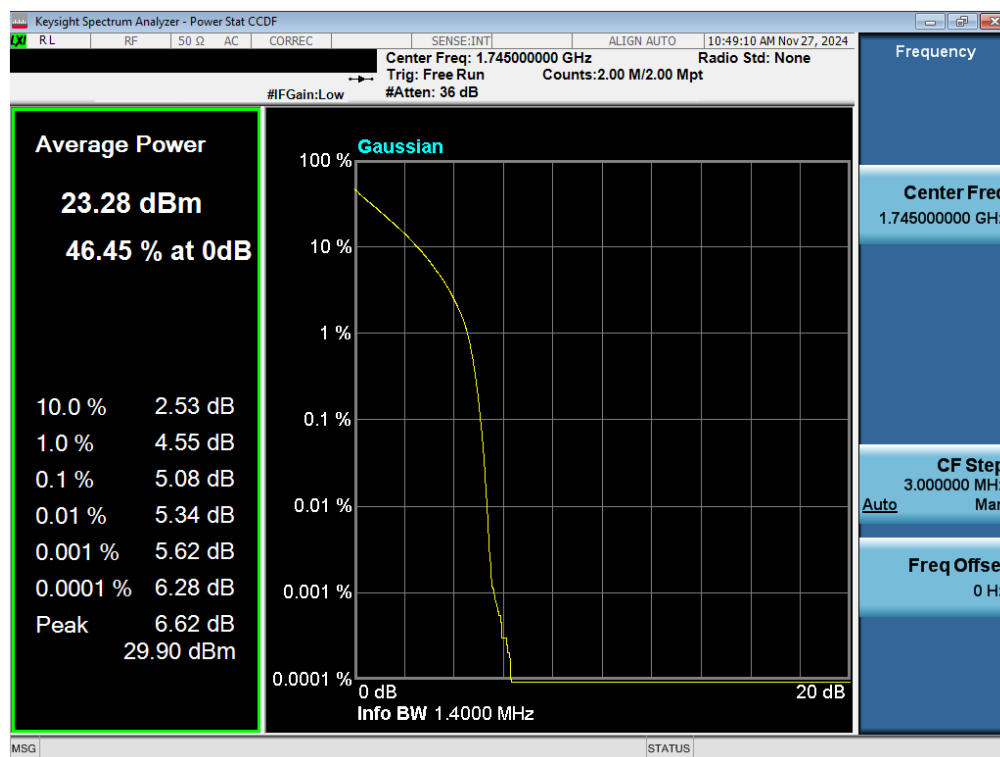
## WCDMA AWS – Ant 1



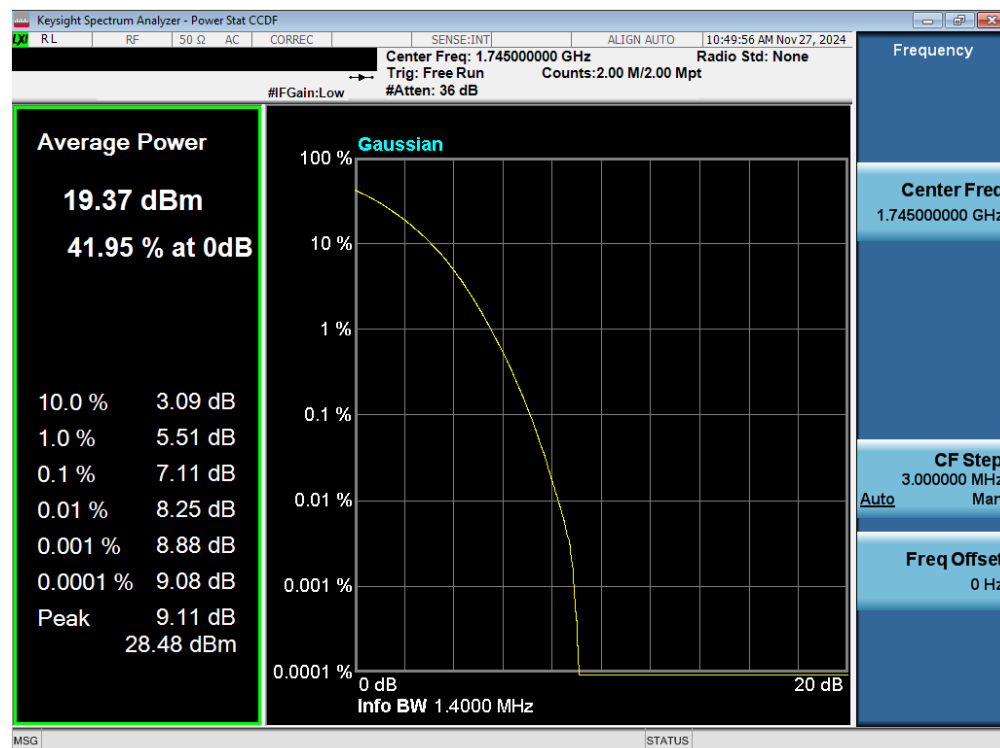
Plot 7-214. PAR Plot (WCDMA, Ch. 1413 – Ant 1)

|                                            |                                      |                           |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular | Page 154 of 205                   |

## LTE Band 66/4 – Ant 1



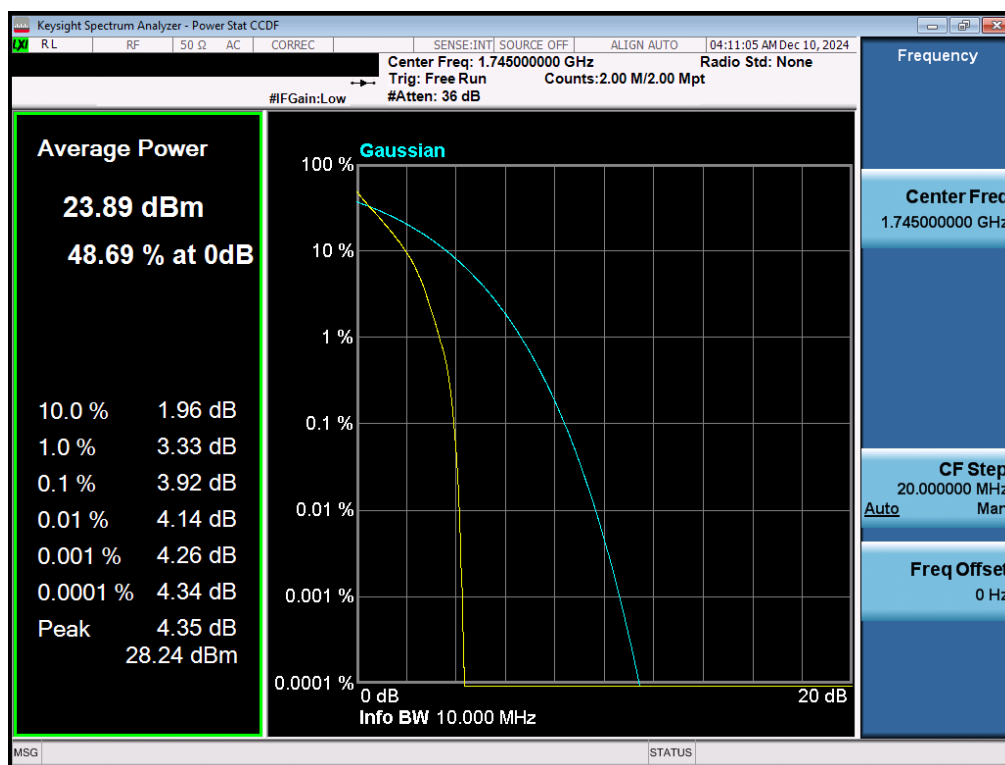
Plot 7-215. PAR Plot (LTE Band 66/4 - 1.4MHz QPSK - Full RB - Ant 1)



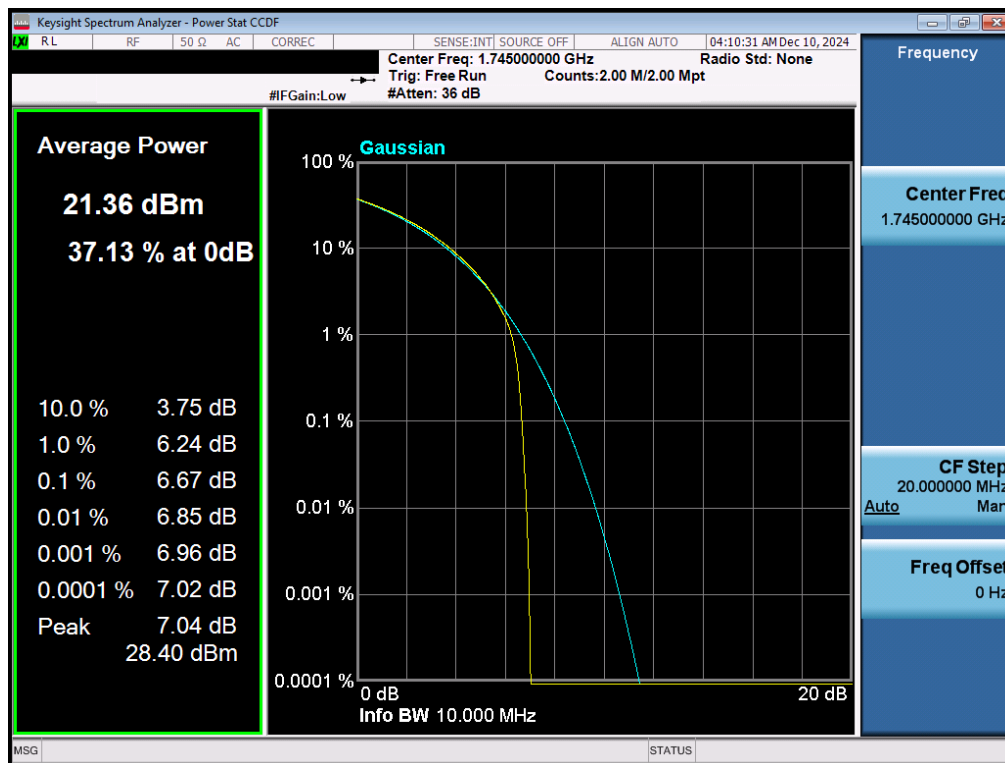
Plot 7-216. PAR Plot (LTE Band 66/4 - 1.4MHz 256-QAM - Full RB - Ant 1)

|                                            |                                      |                           |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular | Page 155 of 205                   |

## NR Band n66 – Ant 1

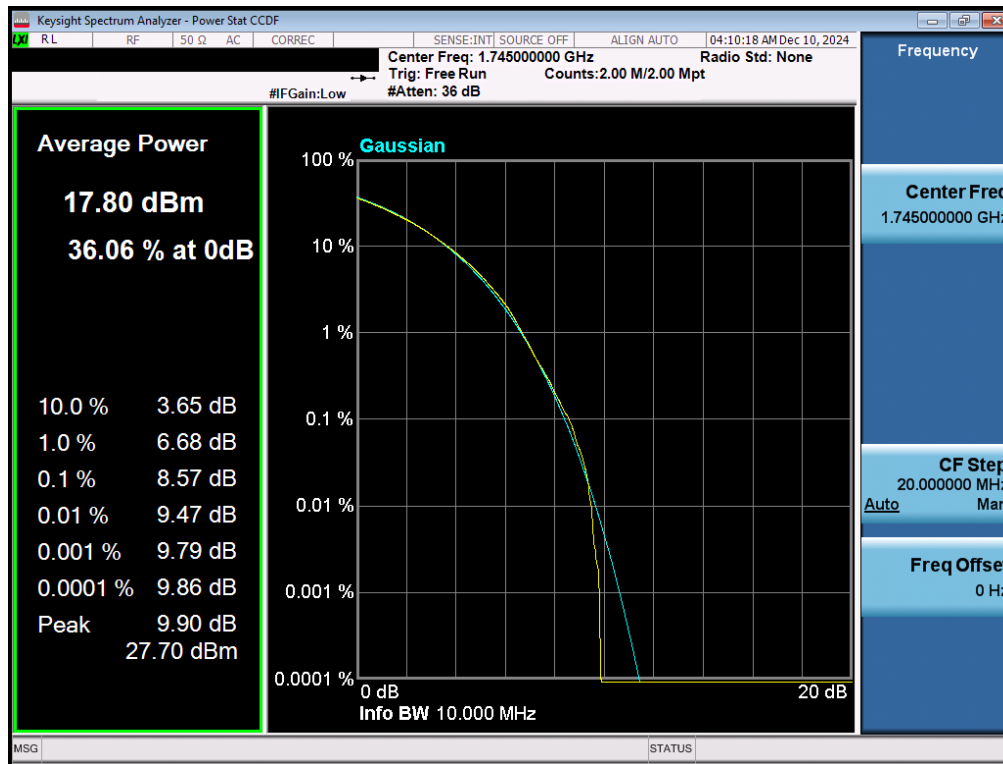


Plot 7-217. PAR Plot (NR Band n66 - 10.0MHz DFT-s-OFDM BPSK - Full RB - Ant 1)



Plot 7-218. PAR Plot (NR Band n66 - 10.0MHz CP-OFDM QPSK - Full RB - Ant 1)

|                                            |                                      |                           |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular | Page 156 of 205                   |



Plot 7-219. PAR Plot (NR Band n66 - 10.0MHz CP-OFDM 256-QAM - Full RB - Ant 1)

|                                            |                                      |                           |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular | Page 157 of 205                   |

## 7.7 Radiated Spurious Emissions Measurements

### Test Overview

Radiated spurious emissions measurements are performed using the field strength conversion method described in ANSI C63.26-2015 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using hybrid (biconical/log) antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed as RMS measurements while the EUT is operating at maximum power, and at the appropriate frequencies.

### Test Procedures Used

ANSI C63.26-2015 – Section 5.5.4

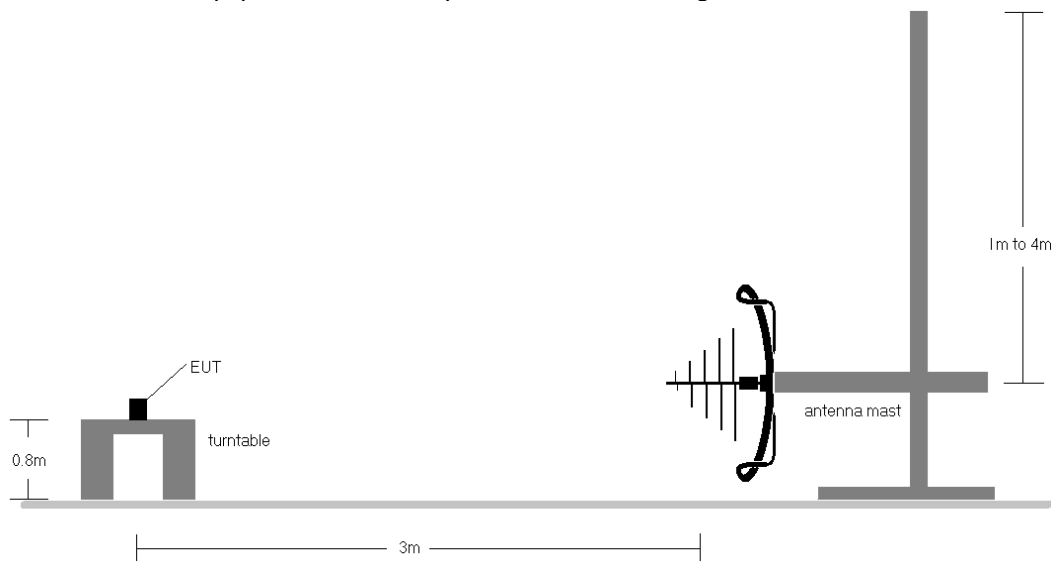
### Test Settings

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

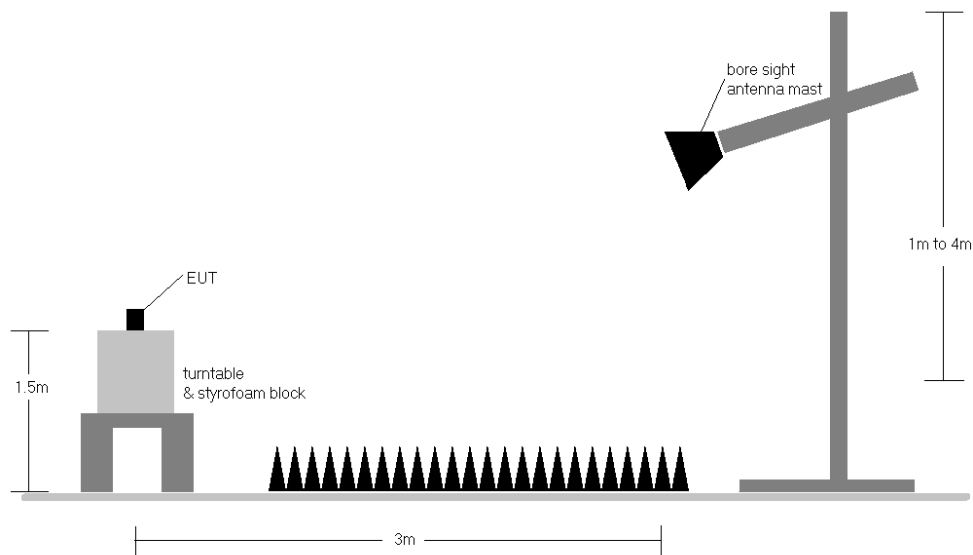
|                                            |                                      |                           |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular | Page 158 of 205                   |

**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 > 1GHz**

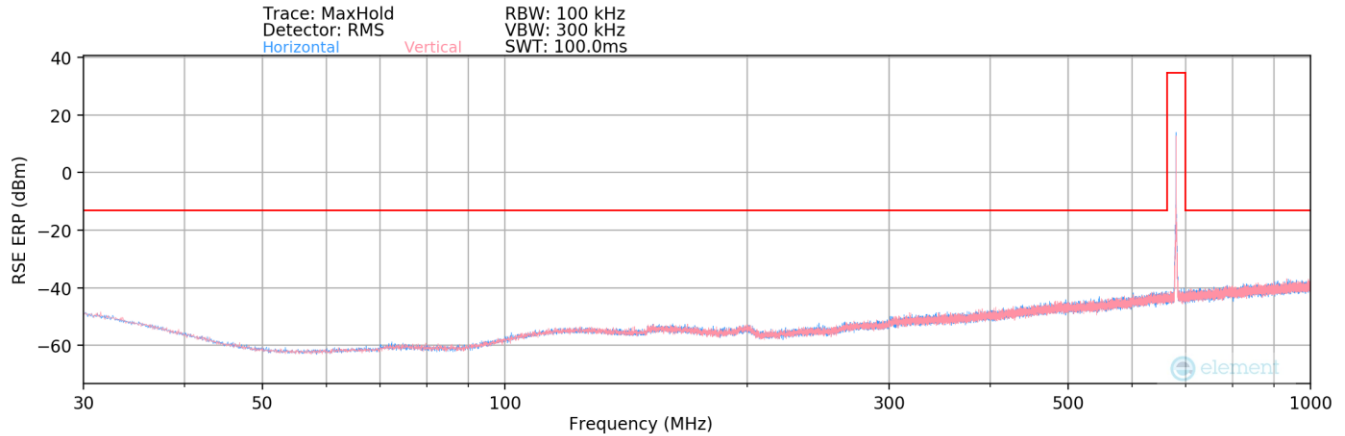
|                                            |                                      |                           |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular | Page 159 of 205                   |

## Test Notes

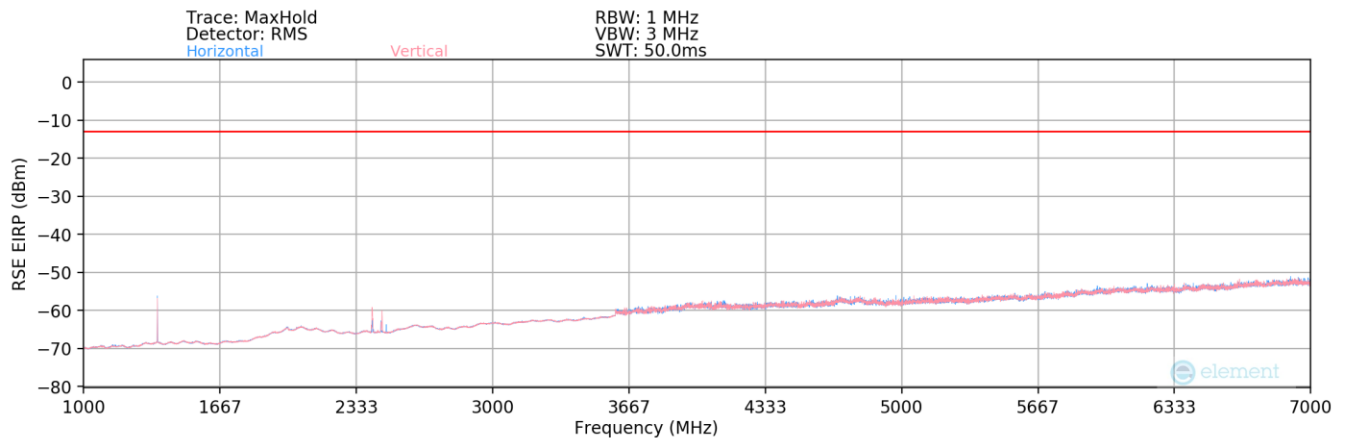
- 1) Field strengths are calculated using the Measurement quantity conversions in ANSI C63.26-2015 Section 5.2.7:
  - a)  $E(\text{dB}\mu\text{V/m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
  - b)  $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V/m}) + 20\log D - 104.8$ ; 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 using a power supply.
- 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) ULCA spurious emissions measurements were evaluated for the two contiguous channels using various combinations of RB size, RB offset, modulation, and channel bandwidth. Channel bandwidth data is shown in the tables below based only on the channel bandwidths that were supported in this device.
- 8) 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.
- 9) 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. Spurious emissions from the NR carrier device are subject to the rules under which the NR carrier operates. Spurious emissions caused by the LTE carrier must meet the requirements of the rules under which the LTE carrier operates.

|                                            |                                      |                           |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular | Page 160 of 205                   |

## LTE Band 71 – Ant 2



**Plot 7-220. Radiated Spurious Plot Below 1GHz (LTE Band 71 – Ant 2)**



**Plot 7-221. Radiated Spurious Plot Above 1GHz (LTE Band 71 – Ant 2)**

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 680.5  |
| RB / Offset:     | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | ERP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|-----------------------------------|-------------|-------------|
| 226.00          | H               | -                   | -                          | -98.65               | 18.30       | 26.65                   | -70.75                            | -13.00      | -57.75      |

**Table 7-33. Radiated Spurious Data (LTE Band 71 – Mid Channel – Ant 2)**

|                                            |                                      |                           |  |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|--|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           |  | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular |  | Page 161 of 205                   |

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 673    |
| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 1346.00         | H               | 169                 | 257                        | -55.03               | -6.97       | 45.00                   | -50.26                             | -13.00      | -37.26      |
| 2019.00         | H               | -                   | -                          | -76.56               | -3.20       | 27.24                   | -68.02                             | -13.00      | -55.02      |
| 2692.00         | H               | -                   | -                          | -76.89               | -2.59       | 27.52                   | -67.73                             | -13.00      | -54.73      |
| 3365.00         | H               | -                   | -                          | -77.20               | -1.02       | 28.78                   | -66.48                             | -13.00      | -53.48      |

Table 7-34. Radiated Spurious Data (LTE Band 71 – Low Channel – Ant 2)

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 680.5  |
| RB / Offset:     | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 1361.00         | H               | 153                 | 56                         | -58.56               | -7.03       | 41.41                   | -53.85                             | -13.00      | -40.85      |
| 2041.50         | H               | 123                 | 223                        | -75.55               | -2.77       | 28.68                   | -66.58                             | -13.00      | -53.58      |
| 2722.00         | H               | -                   | -                          | -76.71               | -2.96       | 27.33                   | -67.93                             | -13.00      | -54.93      |
| 3402.50         | H               | -                   | -                          | -77.40               | -1.14       | 28.46                   | -66.79                             | -13.00      | -53.79      |
| 4083.00         | H               | -                   | -                          | -78.32               | 1.53        | 30.21                   | -65.04                             | -13.00      | -52.04      |

Table 7-35. Radiated Spurious Data (LTE Band 71 – Mid Channel – Ant 2)

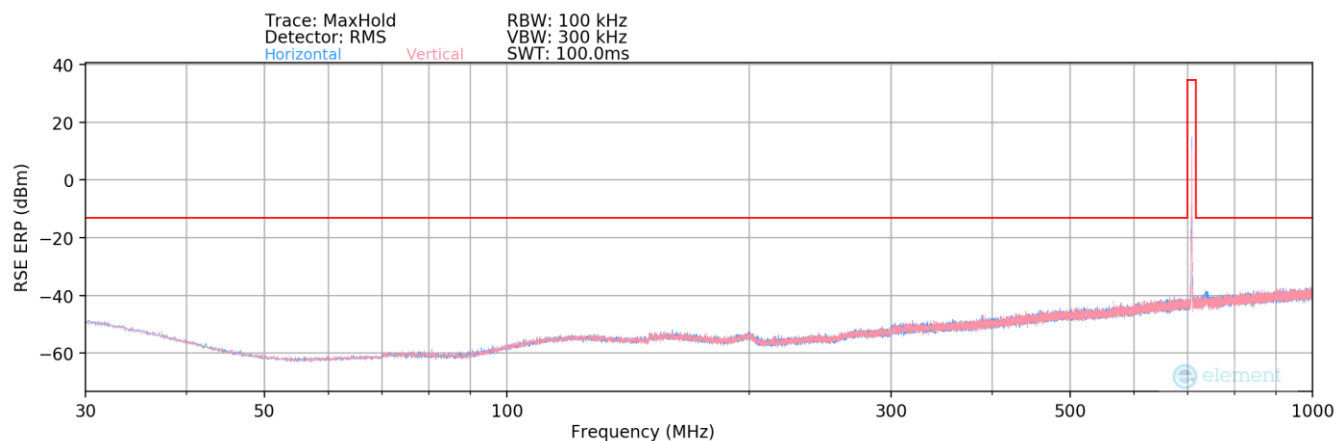
|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 688    |
| RB / Offset:     | 1 / 50 |

| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 1376.00         | H               | 138                 | 64                         | -59.17               | -7.04       | 40.79                   | -54.47                             | -13.00      | -41.47      |
| 2064.00         | H               | 147                 | 231                        | -73.18               | -2.76       | 31.06                   | -64.20                             | -13.00      | -51.20      |
| 2752.00         | H               | -                   | -                          | -77.00               | -3.05       | 26.95                   | -68.31                             | -13.00      | -55.31      |
| 3440.00         | H               | -                   | -                          | -76.99               | -0.97       | 29.04                   | -66.22                             | -13.00      | -53.22      |
| 4128.00         | H               | -                   | -                          | -77.68               | 1.55        | 30.87                   | -64.39                             | -13.00      | -51.39      |

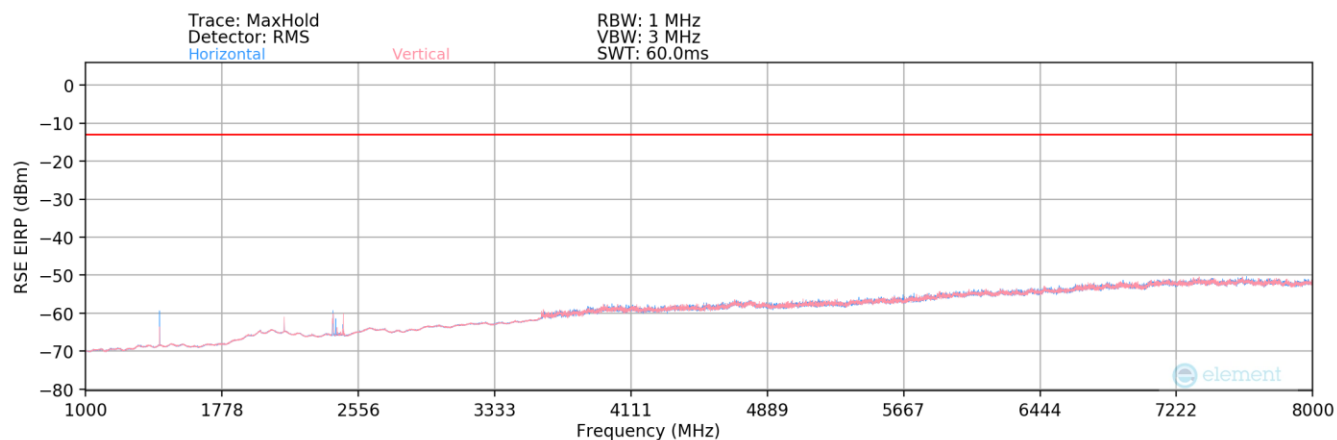
Table 7-36. Radiated Spurious Data (LTE Band 71 – High Channel – Ant 2)

|                                            |                                      |                           |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular | Page 162 of 205                   |

## LTE Band 12– Ant 2



**Plot 7-222. Radiated Spurious Plot Below 1GHz (LTE Band 12– Ant 2)**



**Plot 7-223. Radiated Spurious Plot Above 1GHz (LTE Band 12– Ant 2)**

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 10     |
| Frequency (MHz): | 707.5  |
| 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] | ERP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|-----------------------------------|-------------|-------------|
| 355.00          | H               | -                   | -                          | -98.39               | 22.28       | 30.89                   | -66.51                            | -13.00      | -53.51      |

**Table 7-37. Radiated Spurious Data (LTE Band 12– Mid Channel – Ant 2)**

|                                            |                                      |                           |  |  |                                   |  |
|--------------------------------------------|--------------------------------------|---------------------------|--|--|-----------------------------------|--|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           |  |  | Approved by:<br>Technical Manager |  |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular |  |  | Page 163 of 205                   |  |

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 10     |
| Frequency (MHz): | 704    |
| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 1408.00         | H               | 140                 | 67                         | -56.91               | -7.04       | 43.05                   | -52.21                             | -13.00      | -39.21      |
| 2112.00         | H               | 175                 | 224                        | -73.83               | -2.89       | 30.28                   | -64.98                             | -13.00      | -51.98      |
| 2816.00         | H               | -                   | -                          | -77.77               | -3.05       | 26.18                   | -69.07                             | -13.00      | -56.07      |
| 3520.00         | H               | -                   | -                          | -77.80               | -0.36       | 28.84                   | -66.42                             | -13.00      | -53.42      |
| 4224.00         | H               | -                   | -                          | -78.07               | 1.50        | 30.43                   | -64.83                             | -13.00      | -51.83      |

Table 7-38. Radiated Spurious Data (LTE Band 12– Low Channel – Ant 2)

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 10     |
| Frequency (MHz): | 707.5  |
| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 1415.00         | H               | 138                 | 49                         | -65.89               | -7.01       | 34.10                   | -61.16                             | -13.00      | -48.16      |
| 2122.50         | H               | 317                 | 145                        | -75.79               | -2.94       | 28.27                   | -66.99                             | -13.00      | -53.99      |
| 2830.00         | H               | -                   | -                          | -77.35               | -2.81       | 26.84                   | -68.42                             | -13.00      | -55.42      |
| 3537.50         | H               | -                   | -                          | -77.53               | -0.25       | 29.22                   | -66.03                             | -13.00      | -53.03      |
| 4245.00         | H               | -                   | -                          | -78.38               | 1.57        | 30.19                   | -65.07                             | -13.00      | -52.07      |

Table 7-39. Radiated Spurious Data (LTE Band 12– Mid Channel – Ant 2)

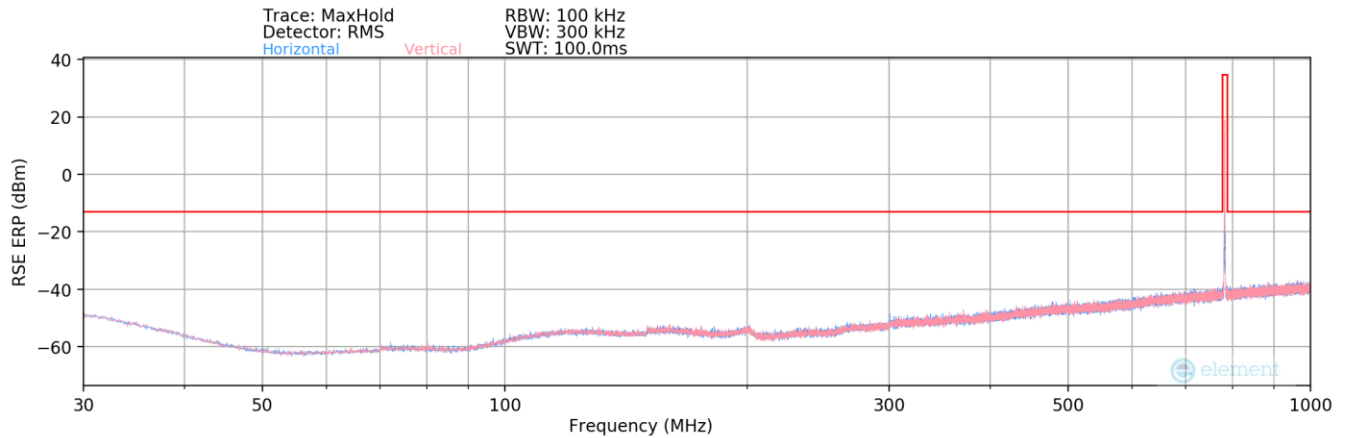
|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 10     |
| Frequency (MHz): | 711    |
| RB / Offset:     | 1 / 25 |

| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 1422.00         | H               | 135                 | 240                        | -64.22               | -6.99       | 35.79                   | -59.47                             | -13.00      | -46.47      |
| 2133.00         | H               | 163                 | 225                        | -69.66               | -3.00       | 34.34                   | -60.92                             | -13.00      | -47.92      |
| 2844.00         | H               | -                   | -                          | -77.31               | -2.71       | 26.98                   | -68.28                             | -13.00      | -55.28      |
| 3555.00         | H               | -                   | -                          | -77.90               | -0.15       | 28.95                   | -66.31                             | -13.00      | -53.31      |
| 4266.00         | H               | -                   | -                          | -78.15               | 1.70        | 30.55                   | -64.71                             | -13.00      | -51.71      |

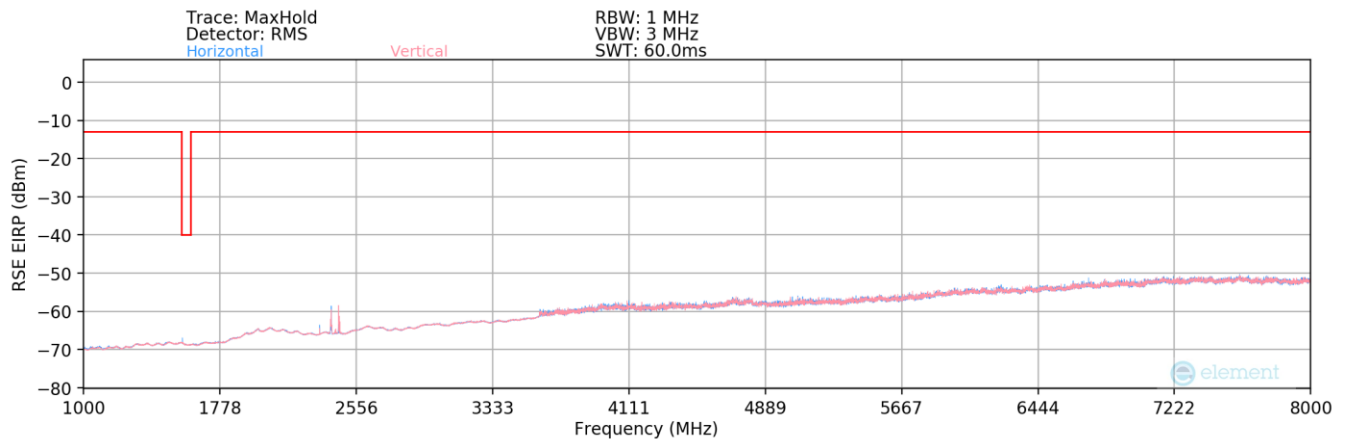
Table 7-40. Radiated Spurious Data (LTE Band 12– High Channel – Ant 2)

|                                            |                                      |                           |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular | Page 164 of 205                   |

## LTE Band 13 – Ant 2



Plot 7-224. Radiated Spurious Plot Below 1GHz (LTE Band 13 – Ant 2)



Plot 7-225. Radiated Spurious Plot Above 1GHz (LTE Band 13 – Ant 2)

|                  |        |
|------------------|--------|
| Mode:            | 10     |
| Channel:         | 782    |
| Frequency (MHz): | 1 / 25 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | ERP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|-----------------------------------|-------------|-------------|
| 187.00          | H               | -                   | -                          | -98.64               | 18.55       | 26.91                   | -70.49                            | -13.00      | -57.49      |

Table 7-41. Radiated Spurious Data (LTE Band 13 – Mid Channel – Ant 2)

|                                            |                                      |                           |  |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|--|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           |  | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular |  | Page 165 of 205                   |

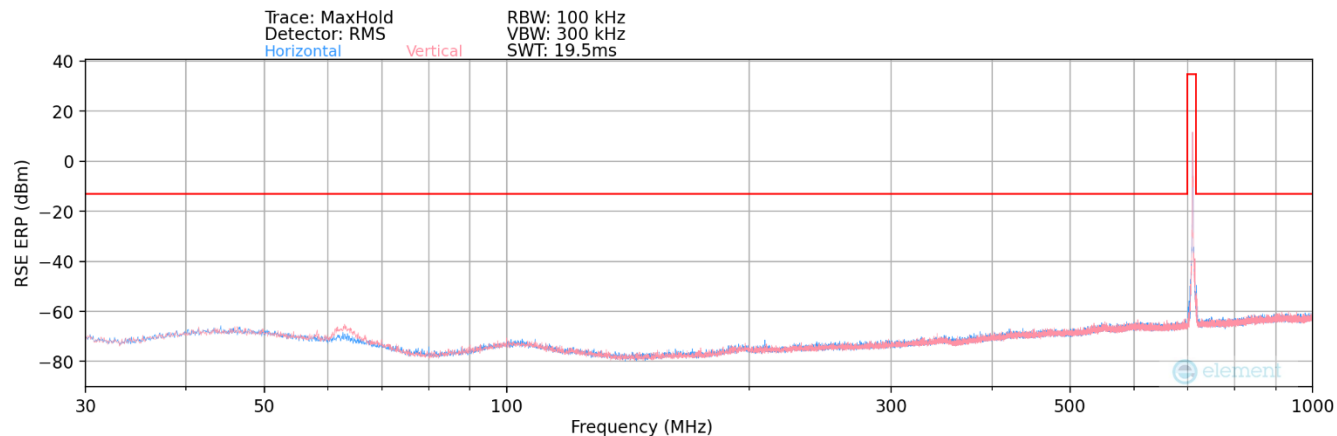
|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 10     |
| Frequency (MHz): | 782    |
| RB / Offset:     | 1 / 25 |

| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 1564.00         | H               | 212                 | 269                        | -69.80               | -6.81       | 30.39                   | -64.87                             | -40.00      | -24.87      |
| 2346.00         | H               | 147                 | 342                        | -70.23               | -4.05       | 32.72                   | -62.54                             | -13.00      | -49.54      |
| 3128.00         | H               | -                   | -                          | -77.04               | -1.75       | 28.21                   | -67.05                             | -13.00      | -54.05      |
| 3910.00         | H               | -                   | -                          | -78.41               | 1.27        | 29.86                   | -65.40                             | -13.00      | -52.40      |
| 4692.00         | H               | -                   | -                          | -78.19               | 3.03        | 31.84                   | -63.41                             | -13.00      | -50.41      |

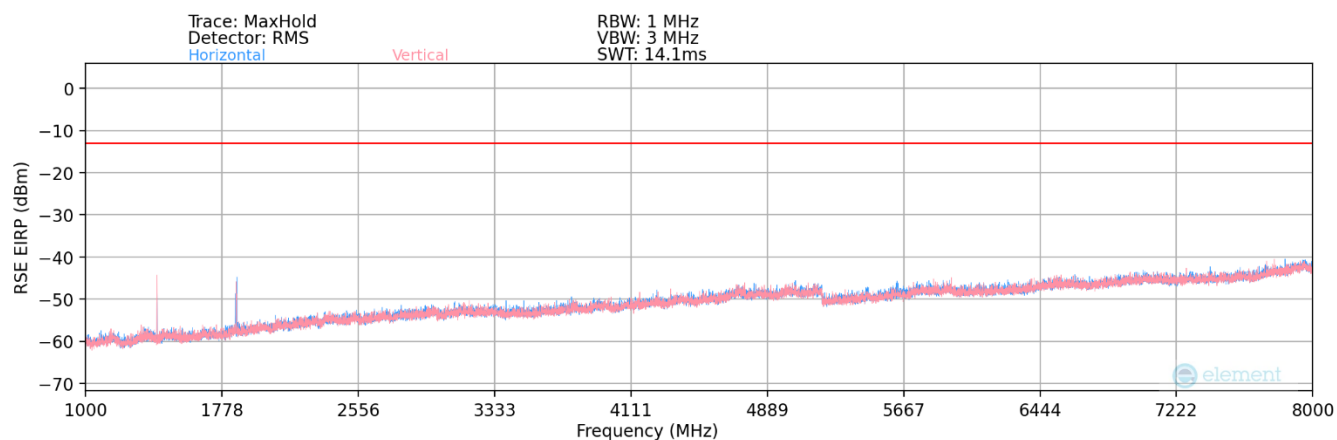
**Table 7-42. Radiated Spurious Data (LTE Band 13 – Mid Channel – Ant 2)**

|                                                   |                                             |                                  |                                          |
|---------------------------------------------------|---------------------------------------------|----------------------------------|------------------------------------------|
| <b>FCC ID:</b> C3K2114                            | <b>PART 27 MEASUREMENT REPORT</b>           |                                  | <b>Approved by:</b><br>Technical Manager |
| <b>Test Report S/N:</b><br>1M2411190103-03-R3.C3K | <b>Test Dates:</b><br>12/3/2024 - 2/14/2025 | <b>EUT Type:</b><br>Full Modular | Page 166 of 205                          |

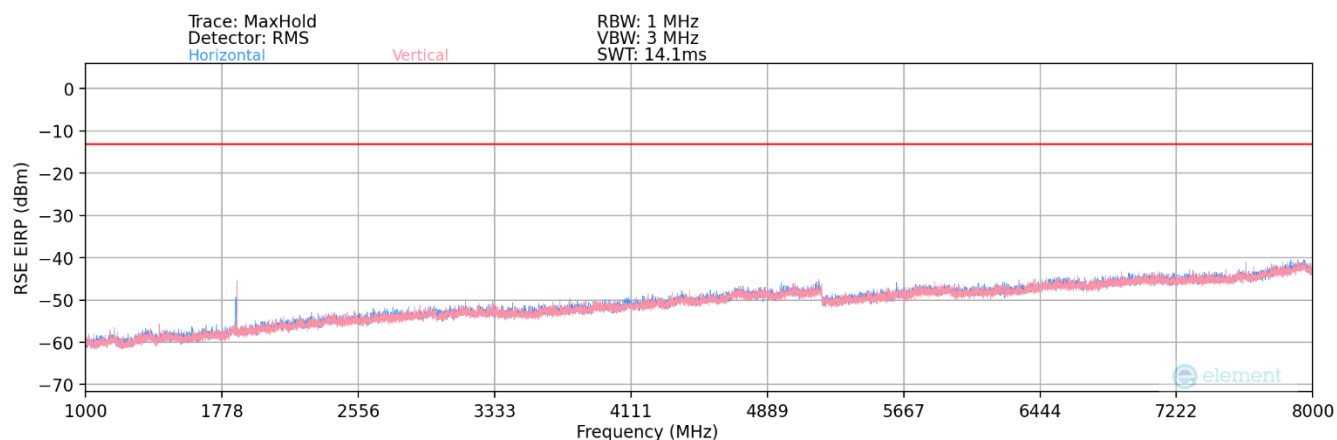
## LTE ULCA B12– Ant 2



**Plot 7-226. Radiated Spurious Plot Below 1GHz (ULCA LTE Band 12– Ant 2)**

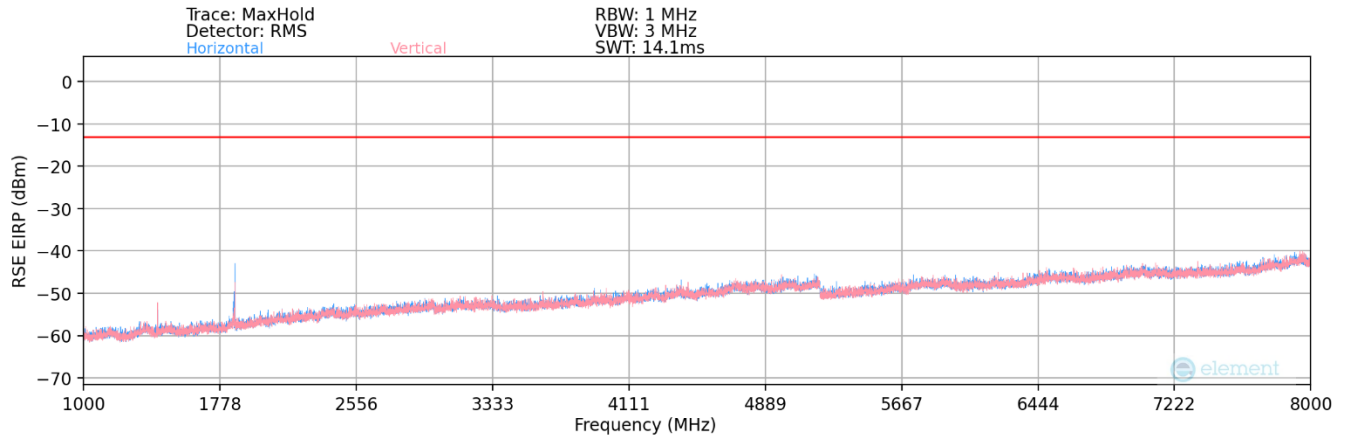


**Plot 7-227. Radiated Spurious Plot Above 1GHz (ULCA LTE Band 12– Ant 2)**



**Plot 7-228. Radiated Spurious Plot Above 1GHz (ULCA LTE Band 12– Ant 2)**

|                                            |                                      |                           |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular | Page 167 of 205                   |



Plot 7-229. Radiated Spurious Plot Above 1GHz (ULCA LTE Band 12– Ant 2)

|                      |        |
|----------------------|--------|
| PCC Bandwidth (MHz): | 5      |
| PCC Frequency (MHz): | 707.5  |
| PCC RB / Offset:     | 1 / 24 |
| SCC Bandwidth (MHz): | 5      |
| SCC Frequency (MHz): | 712.3  |
| 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 [dBuV/m] | ERP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|-----------------------------------|-------------|-------------|
| 62.71           | V               | 342                 | 154                        | -74.72               | -13.29      | 18.99                   | -78.42                            | -13.00      | -65.42      |
| 75.87           | V               | -                   | -                          | -78.10               | -18.05      | 10.85                   | -86.56                            | -13.00      | -73.56      |
| 188.56          | V               | -                   | -                          | -81.63               | -14.30      | 11.07                   | -86.33                            | -13.00      | -73.33      |
| 375.57          | V               | -                   | -                          | -84.61               | -9.25       | 13.14                   | -84.27                            | -13.00      | -71.27      |

Table 7-43. Radiated Spurious Data (ULCA LTE Band 12– Mid Channel – Ant 2)

|                      |        |
|----------------------|--------|
| PCC Bandwidth (MHz): | 5      |
| PCC Frequency (MHz): | 701.5  |
| PCC RB / Offset:     | 1 / 24 |
| SCC Bandwidth (MHz): | 5      |
| SCC Frequency (MHz): | 706.3  |
| 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 [dBuV/m] | ERP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|-----------------------------------|-------------|-------------|
| 1403.00         | H               | 143                 | 113                        | -61.24               | -1.59       | 44.17                   | -51.09                            | -13.00      | -38.09      |
| 2104.50         | H               | 175                 | 233                        | -74.67               | 2.64        | 34.97                   | -60.29                            | -13.00      | -47.29      |
| 2806.00         | H               | -                   | -                          | -77.43               | 5.04        | 34.61                   | -60.65                            | -13.00      | -47.65      |
| 3507.50         | H               | -                   | -                          | -78.45               | 6.91        | 35.46                   | -59.79                            | -13.00      | -46.79      |
| 4209.00         | H               | -                   | -                          | -78.09               | 8.31        | 37.22                   | -58.03                            | -13.00      | -45.03      |

Table 7-44. Radiated Spurious Data (ULCA LTE Band 12– Low Channel – Ant 2)

|                                            |                                      |                           |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular | Page 168 of 205                   |

|                      |        |
|----------------------|--------|
| PCC Bandwidth (MHz): | 5      |
| PCC Frequency (MHz): | 707.5  |
| PCC RB / Offset:     | 1 / 24 |
| SCC Bandwidth (MHz): | 5      |
| SCC Frequency (MHz): | 712.3  |
| 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] | ERP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|-----------------------------------|-------------|-------------|
| 1415.00         | H               | 188                 | 95                         | -71.95               | -1.67       | 33.38                   | -61.87                            | -13.00      | -48.87      |
| 2122.50         | H               | 139                 | 235                        | -74.06               | 2.79        | 35.73                   | -59.53                            | -13.00      | -46.53      |
| 2830.00         | H               | -                   | -                          | -77.37               | 5.21        | 34.84                   | -60.42                            | -13.00      | -47.42      |
| 3537.50         | H               | -                   | -                          | -78.38               | 6.77        | 35.39                   | -59.86                            | -13.00      | -46.86      |
| 4245.00         | H               | -                   | -                          | -77.73               | 8.67        | 37.94                   | -57.32                            | -13.00      | -44.32      |

**Table 7-45. Radiated Spurious Data (ULCA LTE Band 12– Mid Channel – Ant 2)**

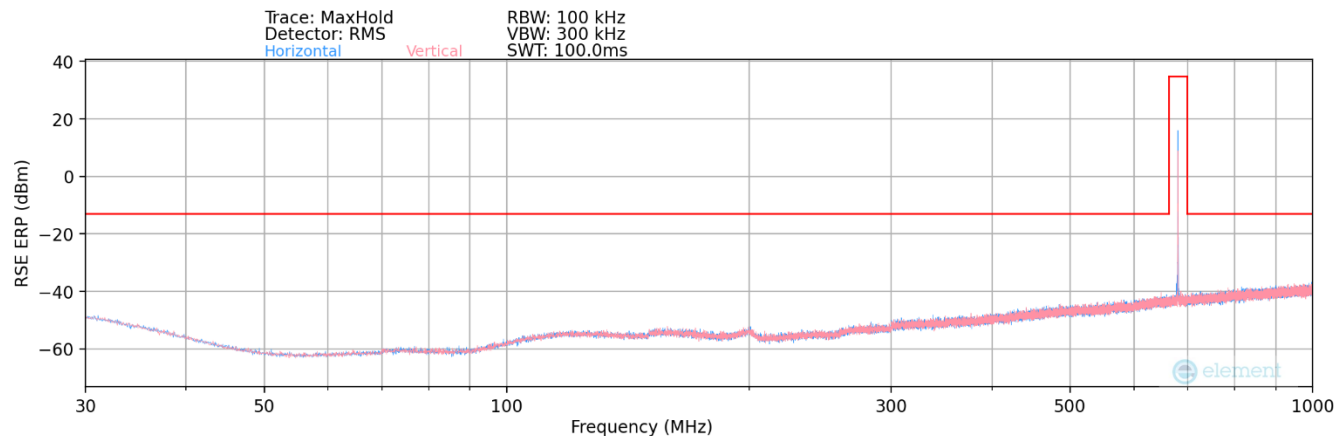
|                      |        |
|----------------------|--------|
| PCC Bandwidth (MHz): | 5      |
| PCC Frequency (MHz): | 713.5  |
| PCC RB / Offset:     | 1 / 0  |
| SCC Bandwidth (MHz): | 5      |
| SCC Frequency (MHz): | 708.7  |
| SCC RB / Offset:     | 1 / 24 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | ERP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|-----------------------------------|-------------|-------------|
| 1427.00         | H               | 159                 | 91                         | -68.89               | -1.29       | 36.82                   | -58.43                            | -13.00      | -45.43      |
| 2140.50         | H               | 130                 | 232                        | -73.25               | 2.57        | 36.32                   | -58.94                            | -13.00      | -45.94      |
| 2854.00         | H               | -                   | -                          | -77.42               | 4.87        | 34.45                   | -60.81                            | -13.00      | -47.81      |
| 3567.50         | H               | -                   | -                          | -75.55               | 6.90        | 38.35                   | -56.91                            | -13.00      | -43.91      |
| 4281.00         | H               | -                   | -                          | -77.71               | 8.34        | 37.63                   | -57.63                            | -13.00      | -44.63      |

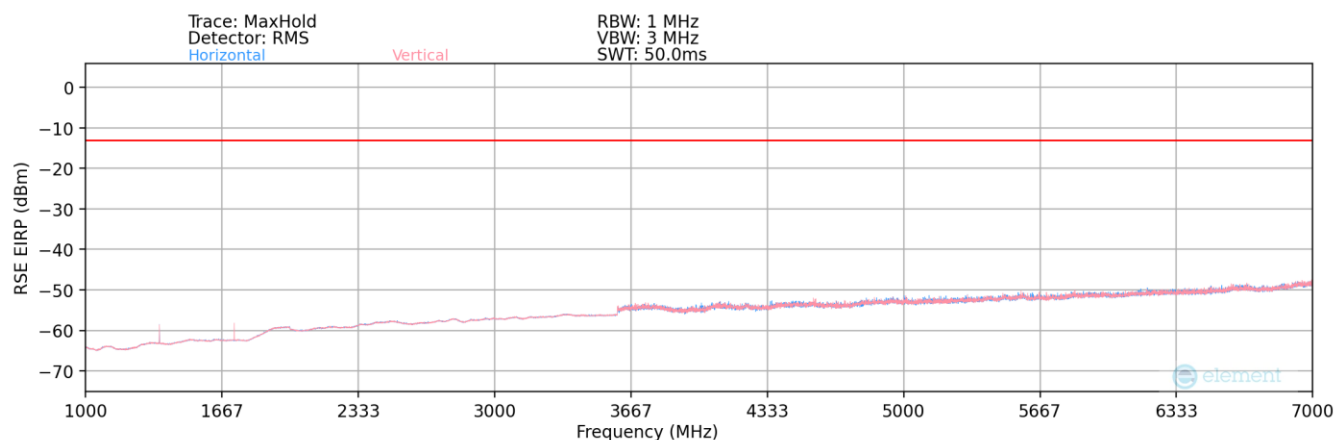
**Table 7-46. Radiated Spurious Data (ULCA LTE Band 12– High Channel – Ant 2)**

|                                            |                                      |                           |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular | Page 169 of 205                   |

## NR Band n71 – Ant 2



Plot 7-230. Radiated Spurious Plot Below 1GHz (NR Band n71 – Ant 2)



Plot 7-231. Radiated Spurious Plot Above 1GHz (NR Band n71 – Ant 2)

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 680.5  |
| RB / Offset:     | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | ERP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|-----------------------------------|-------------|-------------|
| 300.00          | V               | -                   | -                          | -99.39               | 21.22       | 28.83                   | -68.58                            | -13.00      | -55.58      |

Table 7-47. Radiated Spurious Data (NR Band n71 – Mid Channel – Ant 2)

|                                            |                                      |                           |  |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|--|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           |  | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular |  | Page 170 of 205                   |

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 673    |
| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 1346.00         | V               | 140                 | 72                         | -59.80               | -2.27       | 44.93                   | -50.33                             | -13.00      | -37.33      |
| 2019.00         | V               | -                   | -                          | -78.26               | 1.23        | 29.97                   | -65.29                             | -13.00      | -52.29      |
| 2692.00         | V               | -                   | -                          | -78.71               | 3.05        | 31.34                   | -63.92                             | -13.00      | -50.92      |
| 3365.00         | V               | -                   | -                          | -78.95               | 4.88        | 32.93                   | -62.33                             | -13.00      | -49.33      |

**Table 7-48. Radiated Spurious Data (NR Band n71 – Low Channel – Ant 2)**

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 680.5  |
| RB / Offset:     | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 1361.00         | V               | 143                 | 156                        | -66.56               | -2.35       | 38.09                   | -57.17                             | -13.00      | -44.17      |
| 2041.50         | V               | -                   | -                          | -77.82               | 1.05        | 30.23                   | -65.03                             | -13.00      | -52.03      |
| 2722.00         | V               | -                   | -                          | -78.51               | 3.42        | 31.91                   | -63.34                             | -13.00      | -50.34      |
| 3402.50         | V               | -                   | -                          | -78.91               | 4.60        | 32.69                   | -62.56                             | -13.00      | -49.56      |

**Table 7-49. Radiated Spurious Data (NR Band n71 – Mid Channel – Ant 2)**

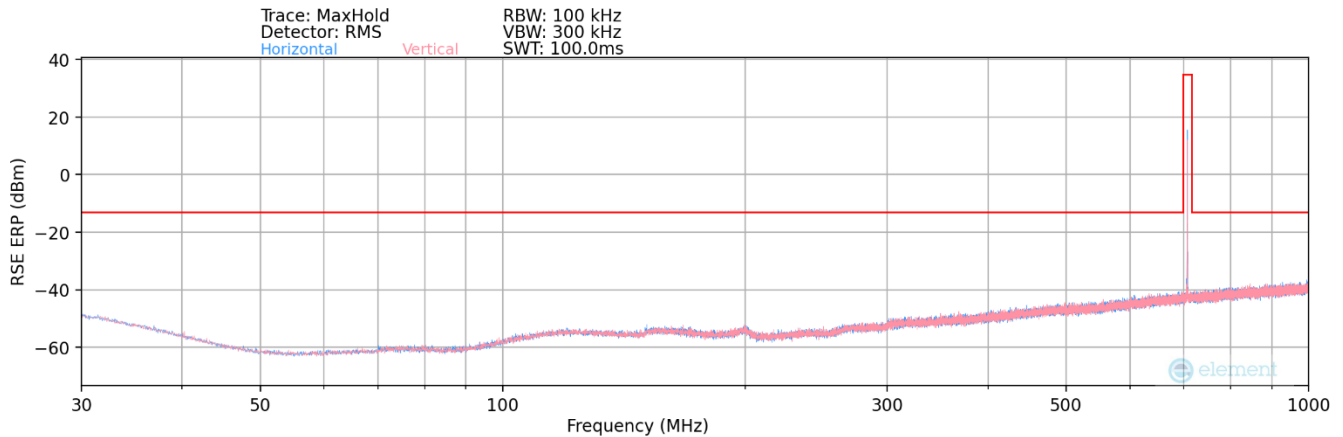
|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 688    |
| RB / Offset:     | 1 / 50 |

| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 1376.00         | V               | 215                 | 158                        | -61.96               | -2.47       | 42.57                   | -52.68                             | -13.00      | -39.68      |
| 2064.00         | V               | -                   | -                          | -77.81               | 0.93        | 30.12                   | -65.14                             | -13.00      | -52.14      |
| 2752.00         | V               | -                   | -                          | -78.74               | 3.33        | 31.59                   | -63.66                             | -13.00      | -50.66      |
| 3440.00         | V               | -                   | -                          | -78.62               | 4.49        | 32.87                   | -62.39                             | -13.00      | -49.39      |

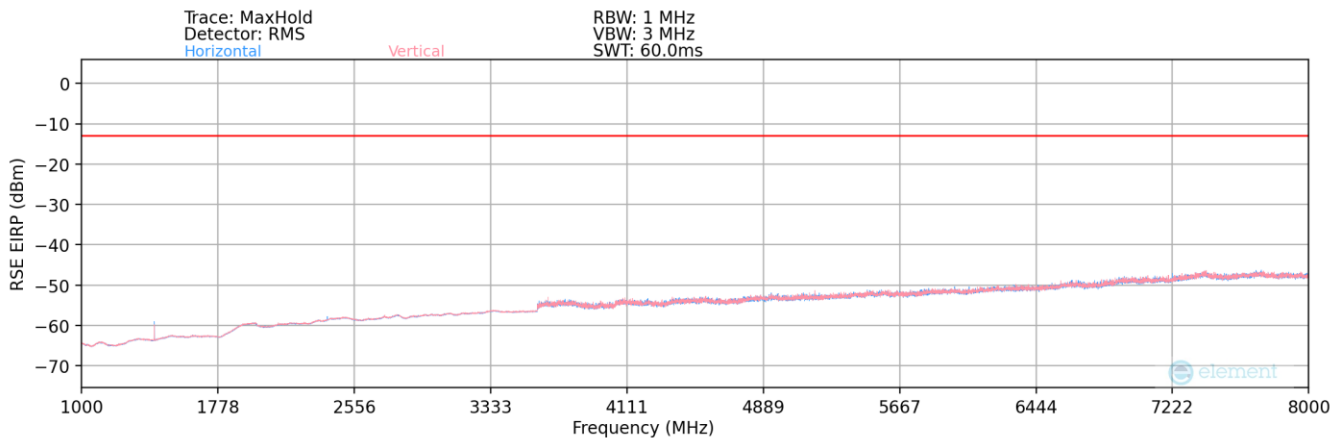
**Table 7-50. Radiated Spurious Data (NR Band n71 – High Channel – Ant 2)**

|                                            |                                      |                           |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular | Page 171 of 205                   |

## NR Band n12 – Ant 2



Plot 7-232. Radiated Spurious Plot Below 1GHz (NR Band n12 – Ant 2)



Plot 7-233. Radiated Spurious Plot Above 1GHz (NR Band n12 – Ant 2)

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 15     |
| Frequency (MHz): | 707.5  |
| RB / Offset:     | 1 / 37 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | ERP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|-----------------------------------|-------------|-------------|
| 300.00          | H               | -                   | -                          | -99.52               | 21.22       | 28.70                   | -68.71                            | -13.00      | -55.71      |

Table 7-51. Radiated Spurious Data (NR Band n12 – Mid Channel – Ant 2)

|                                            |                                      |                           |  |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|--|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           |  | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular |  | Page 172 of 205                   |

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 15     |
| Frequency (MHz): | 706.5  |
| RB / Offset:     | 1 / 37 |

| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 1413.00         | H               | 303                 | 304                        | -65.48               | -2.67       | 38.85                   | -56.41                             | -13.00      | -43.41      |
| 2119.50         | H               | 270                 | 54                         | -77.05               | 1.54        | 31.49                   | -63.76                             | -13.00      | -50.76      |
| 2826.00         | H               | -                   | -                          | -78.70               | 3.49        | 31.79                   | -63.47                             | -13.00      | -50.47      |
| 3532.50         | H               | -                   | -                          | -78.60               | 4.41        | 32.81                   | -62.45                             | -13.00      | -49.45      |
| 4239.00         | H               | -                   | -                          | -79.32               | 5.61        | 33.29                   | -61.96                             | -13.00      | -48.96      |

**Table 7-52. Radiated Spurious Data (NR Band n12 – Low Channel – Ant 2)**

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 15     |
| Frequency (MHz): | 707.5  |
| RB / Offset:     | 1 / 37 |

| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 1415.00         | H               | 307                 | 304                        | -67.47               | -2.65       | 36.88                   | -58.38                             | -13.00      | -45.38      |
| 2122.50         | H               | 313                 | 56                         | -76.46               | 1.56        | 32.10                   | -63.15                             | -13.00      | -50.15      |
| 2830.00         | H               | -                   | -                          | -78.71               | 3.39        | 31.68                   | -63.58                             | -13.00      | -50.58      |
| 3537.50         | H               | -                   | -                          | -78.74               | 4.43        | 32.69                   | -62.57                             | -13.00      | -49.57      |
| 4245.00         | H               | -                   | -                          | -79.32               | 5.54        | 33.22                   | -62.04                             | -13.00      | -49.04      |

**Table 7-53. Radiated Spurious Data (NR Band n12 – Mid Channel – Ant 2)**

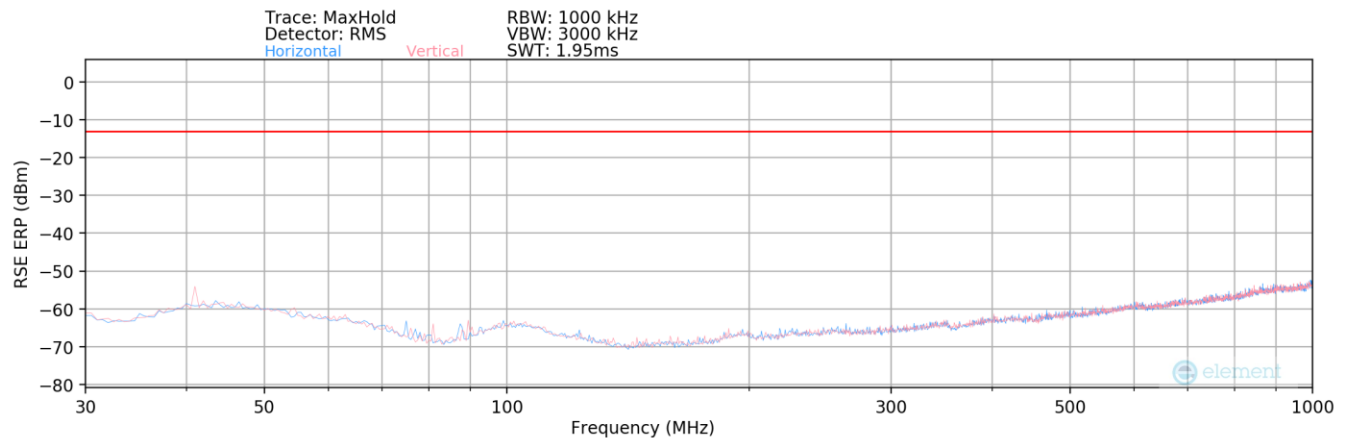
|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 15     |
| Frequency (MHz): | 708.5  |
| RB / Offset:     | 1 / 37 |

| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 1417.00         | H               | 133                 | 301                        | -68.43               | -2.63       | 35.94                   | -59.31                             | -13.00      | -46.31      |
| 2125.50         | H               | 182                 | 251                        | -76.07               | 1.59        | 32.52                   | -62.74                             | -13.00      | -49.74      |
| 2834.00         | H               | -                   | -                          | -78.69               | 3.29        | 31.60                   | -63.65                             | -13.00      | -50.65      |
| 3542.50         | H               | -                   | -                          | -78.55               | 4.47        | 32.92                   | -62.34                             | -13.00      | -49.34      |
| 4251.00         | H               | -                   | -                          | -79.28               | 5.47        | 33.19                   | -62.07                             | -13.00      | -49.07      |

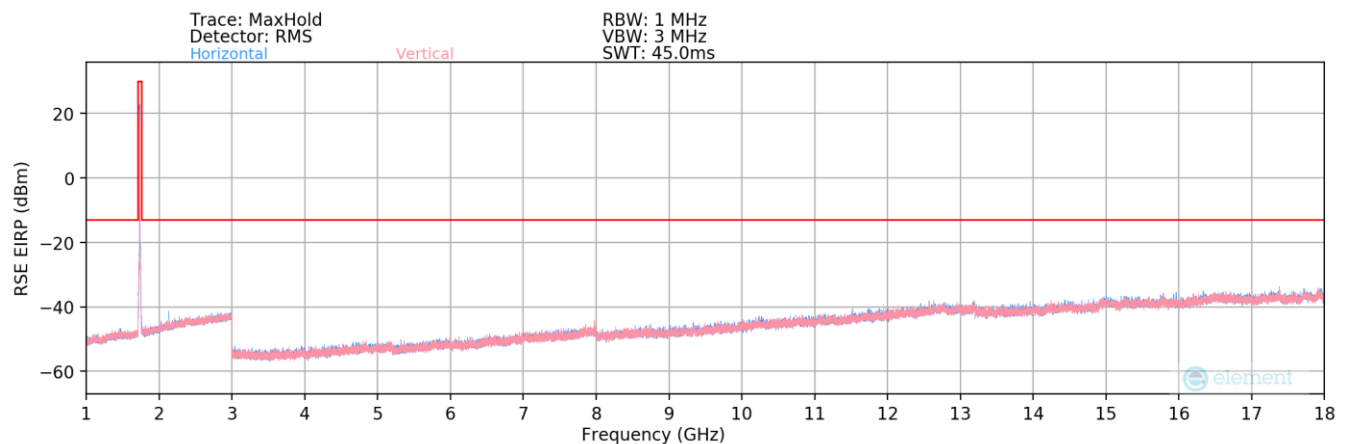
**Table 7-54. Radiated Spurious Data (NR Band n12 – High Channel – Ant 2)**

|                                            |                                      |                           |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular | Page 173 of 205                   |

## WCDMA AWS – Ant 1



**Plot 7-234. Radiated Spurious Plot Below 1GHz (WCDMA AWS – Ant 1)**



**Plot 7-235. Radiated Spurious Plot Above 1GHz (WCDMA AWS – Ant 1)**

|                  |           |
|------------------|-----------|
| Mode:            | WCDMA RMC |
| Channel:         | 1413      |
| Frequency (MHz): | 1732.6    |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | ERP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|-----------------------------------|-------------|-------------|
| 40.00           | V               | -                   | -                          | -73.99               | -12.64      | 20.37                   | -77.03                            | -13.00      | -64.03      |

**Table 7-55. Radiated Spurious Data (WCDMA AWS – Mid Channel – Ant 1)**

|                                            |                                      |                           |  |  |  |                 |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|--|--|--|-----------------|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           |  |  |  |                 | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular |  |  |  | Page 174 of 205 |                                   |

|                  |           |
|------------------|-----------|
| Mode:            | WCDMA RMC |
| Channel:         | 1312      |
| Frequency (MHz): | 1712.4    |

| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 3424.80         | V               | 104                 | 227                        | -78.04               | 7.04        | 36.00                   | -59.25                             | -13.00      | -46.25      |
| 5137.20         | V               | -                   | -                          | -80.60               | 10.72       | 37.12                   | -58.13                             | -13.00      | -45.13      |
| 6849.60         | V               | -                   | -                          | -81.54               | 14.07       | 39.53                   | -55.73                             | -13.00      | -42.73      |
| 8562.00         | V               | -                   | -                          | -82.62               | 16.69       | 41.07                   | -54.19                             | -13.00      | -41.19      |

**7-56. Radiated Spurious Data (WCDMA AWS – Low Channel – Ant 1)**

|                  |           |
|------------------|-----------|
| Mode:            | WCDMA RMC |
| Channel:         | 1413      |
| Frequency (MHz): | 1732.6    |

| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 3465.20         | V               | -                   | -                          | -79.15               | 7.06        | 34.91                   | -60.35                             | -13.00      | -47.35      |
| 5197.80         | V               | -                   | -                          | -80.68               | 10.29       | 36.61                   | -58.65                             | -13.00      | -45.65      |
| 6930.40         | V               | -                   | -                          | -81.76               | 13.73       | 38.97                   | -56.29                             | -13.00      | -43.29      |

**Table 7-57. Radiated Spurious Data (WCDMA AWS – Mid Channel – Ant 1)**

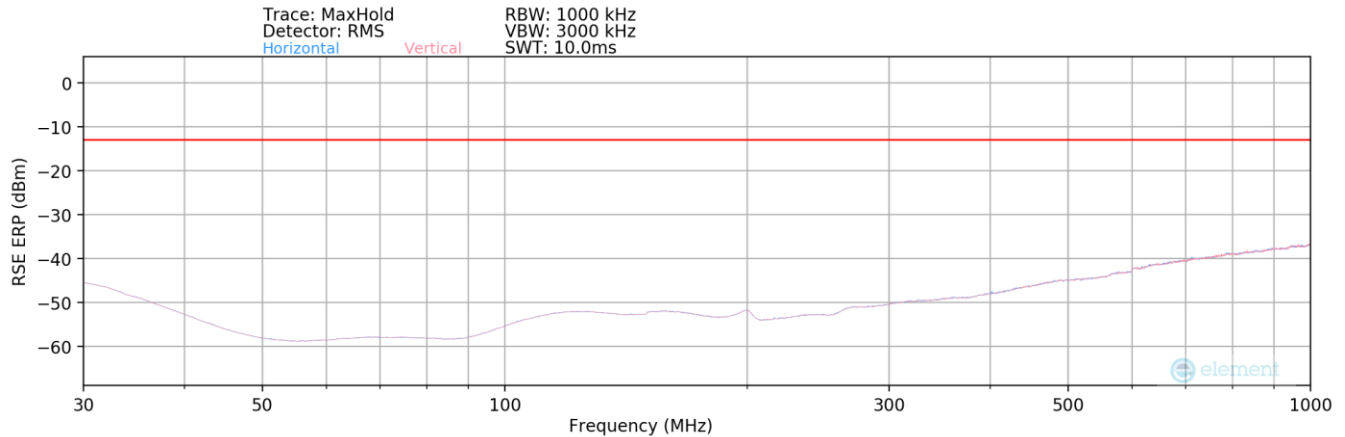
|                  |           |
|------------------|-----------|
| Mode:            | WCDMA RMC |
| Channel:         | 1513      |
| Frequency (MHz): | 1752.6    |

| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 3505.20         | V               | -                   | -                          | -79.86               | 7.20        | 34.34                   | -60.92                             | -13.00      | -47.92      |
| 5257.80         | V               | -                   | -                          | -80.61               | 10.32       | 36.71                   | -58.55                             | -13.00      | -45.55      |
| 7010.40         | V               | -                   | -                          | -81.88               | 14.47       | 39.59                   | -55.67                             | -13.00      | -42.67      |

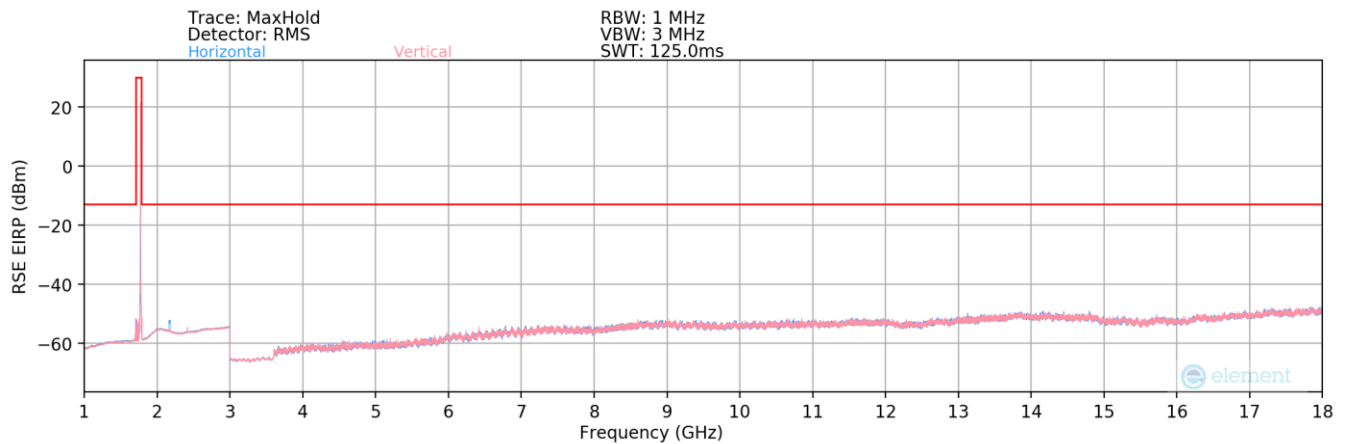
**Table 7-58. Radiated Spurious Data (WCDMA AWS – High Channel – Ant 1)**

|                                            |                                      |                           |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular | Page 175 of 205                   |

## LTE Band 66/4 – Ant 1



**Plot 7-236. Radiated Spurious Plot Below 1GHz (LTE Band 66/4 – Ant 1)**



**Plot 7-237. Radiated Spurious Plot Above 1GHz (LTE Band 66/4 – Ant 1)**

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 1745   |
| 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] | ERP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|-----------------------------------|-------------|-------------|
| 498.00          | V               | -                   | -                          | -91.10               | 25.86       | 41.76                   | -55.65                            | -13.00      | -42.65      |

**Table 7-59. Radiated Spurious Data (LTE Band 66/4 – Mid Channel – Ant 1)**

|                                            |                                      |                           |  |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|--|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           |  | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular |  | Page 176 of 205                   |

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 1720   |
| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 3440.00         | V               | -                   | -                          | -77.35               | 0.33        | 29.98                   | -65.28                             | -13.00      | -52.28      |
| 5160.00         | V               | -                   | -                          | -79.03               | 3.24        | 31.21                   | -64.05                             | -13.00      | -51.05      |
| 6880.00         | V               | -                   | -                          | -79.03               | 8.80        | 36.77                   | -58.49                             | -13.00      | -45.49      |

**Table 7-60. Radiated Spurious Data (LTE Band 66/4 – Low Channel – Ant 1)**

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 1745   |
| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 3490.00         | V               | 148                 | 248                        | -69.28               | 0.06        | 37.78                   | -57.48                             | -13.00      | -44.48      |
| 5235.00         | V               | -                   | -                          | -78.81               | 3.37        | 31.56                   | -63.70                             | -13.00      | -50.70      |
| 6980.00         | V               | -                   | -                          | -78.71               | 7.96        | 36.25                   | -59.01                             | -13.00      | -46.01      |
| 8725.00         | V               | -                   | -                          | -79.92               | 11.68       | 38.76                   | -56.50                             | -13.00      | -43.50      |

**Table 7-61. Radiated Spurious Data (LTE Band 66/4 – Mid Channel – Ant 1)**

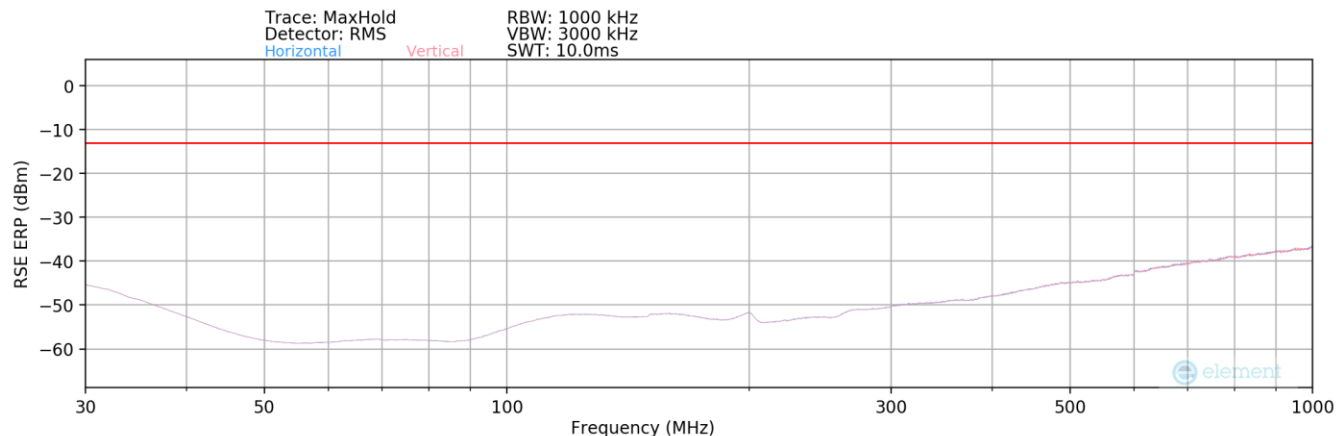
|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 1770   |
| RB / Offset:     | 1 / 50 |

| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 3540.00         | V               | -                   | -                          | -76.99               | -0.29       | 29.72                   | -65.53                             | -13.00      | -52.53      |
| 5310.00         | V               | -                   | -                          | -78.54               | 3.22        | 31.68                   | -63.58                             | -13.00      | -50.58      |
| 7080.00         | V               | -                   | -                          | -78.99               | 8.62        | 36.63                   | -58.63                             | -13.00      | -45.63      |

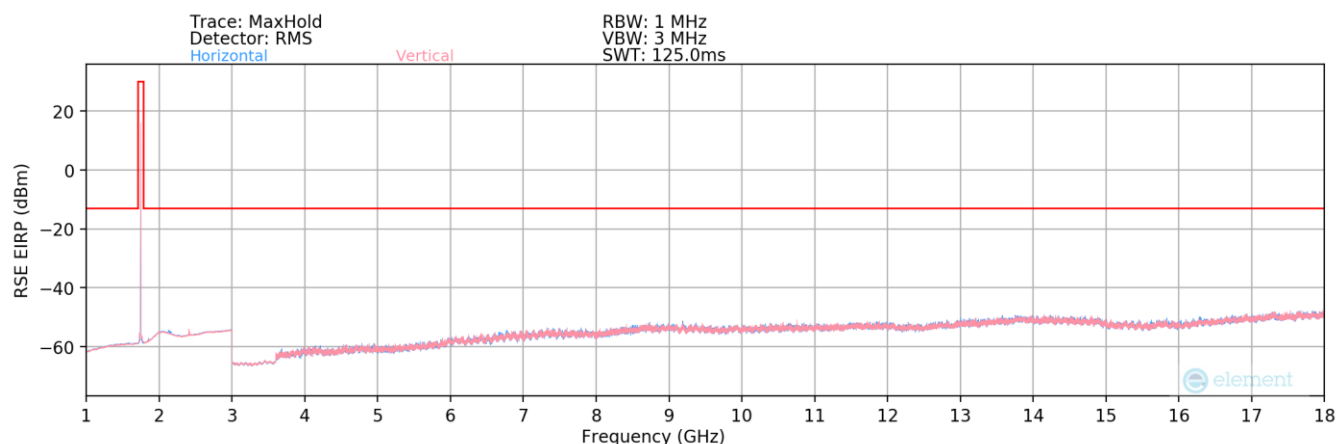
**Table 7-62. Radiated Spurious Data (LTE Band 66/4 – High Channel – Ant 1)**

|                                            |                                      |                           |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular | Page 177 of 205                   |

## NR Band n66 – Ant 1



**Plot 7-238. Radiated Spurious Plot Below 1GHz (NR Band n66 – Ant 1)**



**Plot 7-239. Radiated Spurious Plot Above 1GHz (NR Band n66 – Ant 1)**

|                        |               |
|------------------------|---------------|
| Bandwidth (MHz):       | 40            |
| Frequency (MHz):       | 1745          |
| RB / Offset:           | 1 / 108       |
| Detector / Trace Mode: | RMS / Average |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | ERP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|-----------------------------------|-------------|-------------|
| 746.00          | V               | -                   | -                          | -108.22              | 29.43       | 28.21                   | -69.20                            | -13.00      | -56.20      |

**Table 7-63. Radiated Spurious Data (NR Band n66 – Mid Channel – Ant 1)**

|                                            |                                      |                           |  |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|--|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           |  | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular |  | Page 178 of 205                   |

|                        |               |
|------------------------|---------------|
| Bandwidth (MHz):       | 40            |
| Frequency (MHz):       | 1730          |
| RB / Offset:           | 1 / 108       |
| Detector / Trace Mode: | RMS / Average |

| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 3460.00         | V               | -                   | -                          | -77.03               | 0.17        | 30.14                   | -65.12                             | -13.00      | -52.12      |
| 5190.00         | V               | -                   | -                          | -78.62               | 3.38        | 31.76                   | -63.50                             | -13.00      | -50.50      |
| 6920.00         | V               | -                   | -                          | -79.97               | 8.47        | 35.50                   | -59.76                             | -13.00      | -46.76      |

**Table 7-64. Radiated Spurious Data (NR Band n66 – Low Channel – Ant 1)**

|                        |               |
|------------------------|---------------|
| Bandwidth (MHz):       | 40            |
| Frequency (MHz):       | 1745          |
| RB / Offset:           | 1 / 108       |
| Detector / Trace Mode: | RMS / Average |

| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 3490.00         | V               | -                   | -                          | -77.48               | 0.06        | 29.58                   | -65.68                             | -13.00      | -52.68      |
| 5235.00         | V               | -                   | -                          | -78.47               | 3.37        | 31.90                   | -63.36                             | -13.00      | -50.36      |
| 6980.00         | V               | -                   | -                          | -78.68               | 7.96        | 36.28                   | -58.98                             | -13.00      | -45.98      |

**Table 7-65. Radiated Spurious Data (NR Band n66 – Mid Channel – Ant 1)**

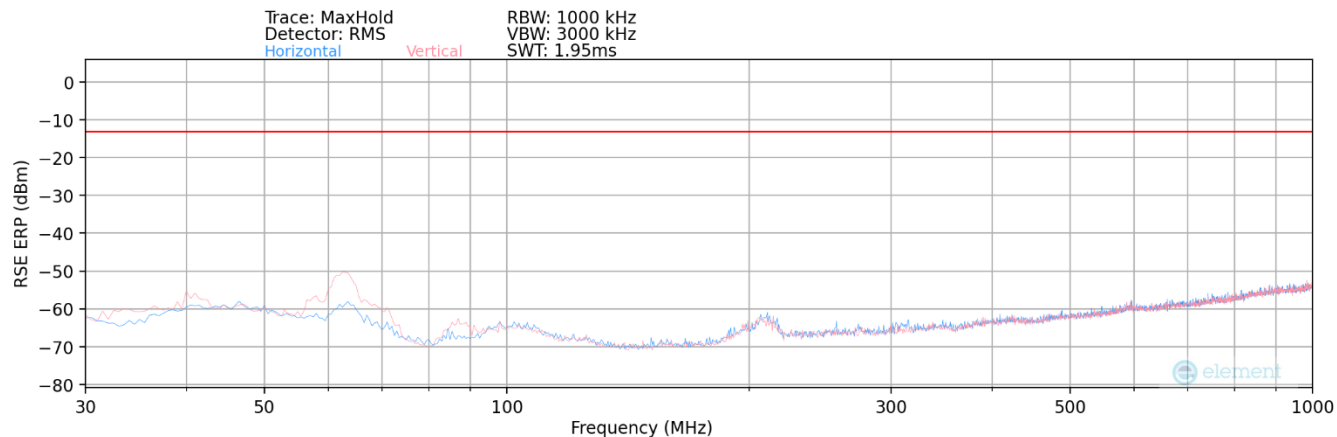
|                        |               |
|------------------------|---------------|
| Bandwidth (MHz):       | 40            |
| Frequency (MHz):       | 1760          |
| RB / Offset:           | 1 / 108       |
| Detector / Trace Mode: | RMS / Average |

| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 3520.00         | V               | -                   | -                          | -76.87               | -0.06       | 30.07                   | -65.19                             | -13.00      | -52.19      |
| 5280.00         | V               | -                   | -                          | -78.16               | 3.28        | 32.12                   | -63.14                             | -13.00      | -50.14      |
| 7040.00         | V               | -                   | -                          | -78.42               | 8.10        | 36.68                   | -58.57                             | -13.00      | -45.57      |

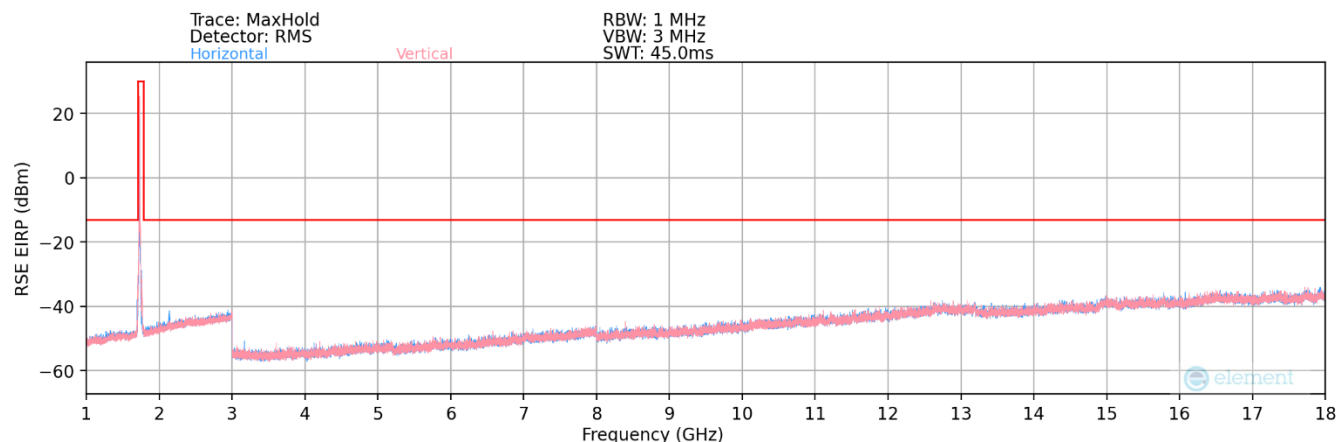
**Table 7-66. Radiated Spurious Data (NR Band n66 – High Channel – Ant 1)**

|                                            |                                      |                           |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular | Page 179 of 205                   |

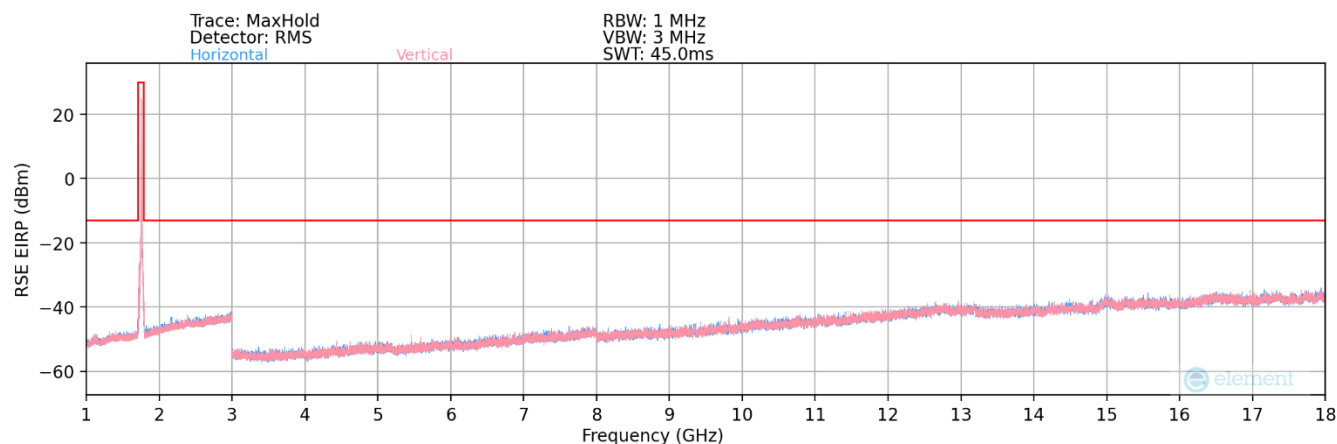
## Uplink CA LTE Band 66B/C – Ant 1



**Plot 7-240. Radiated Spurious Plot Below 1GHz (ULCA LTE66 – Ant 1)**

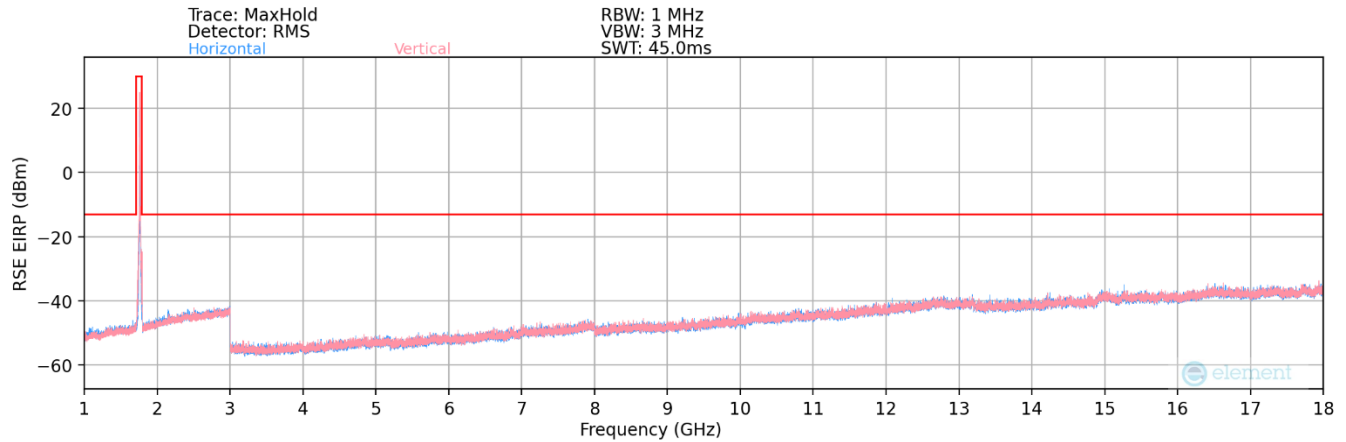


**Plot 7-241. Radiated Spurious Plot Above 1GHz (ULCA LTE66 – Ant 1)**



**Plot 7-242. Radiated Spurious Plot Above 1GHz (ULCA LTE66 – Ant 1)**

|                                            |                                      |                           |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular | Page 180 of 205                   |



**Plot 7-243. Radiated Spurious Plot Above 1GHz (ULCA LTE66 – Ant 1)**

|                      |        |
|----------------------|--------|
| PCC Bandwidth (MHz): | 20     |
| PCC Frequency (MHz): | 1745.0 |
| PCC RB / Offset:     | 1 / 99 |
| SCC Bandwidth (MHz): | 20     |
| SCC Frequency (MHz): | 1764.8 |
| 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] | ERP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|-----------------------------------|-------------|-------------|
| 61.77           | V               | 328                 | 180                        | -64.95               | -13.00      | 29.05                   | -68.36                            | -13.00      | -55.36      |
| 188.41          | V               | -                   | -                          | -72.31               | -14.31      | 20.38                   | -77.03                            | -13.00      | -64.03      |
| 394.10          | V               | -                   | -                          | -74.20               | -8.52       | 24.28                   | -73.12                            | -13.00      | -60.12      |
| 609.14          | V               | -                   | -                          | -75.91               | -4.58       | 26.51                   | -70.90                            | -13.00      | -57.90      |

**Table 7-67. Radiated Spurious Data (ULCA LTE66 – Mid Channel – Ant 1)**

|                      |        |
|----------------------|--------|
| PCC Bandwidth (MHz): | 20     |
| PCC Frequency (MHz): | 1720.0 |
| PCC RB / Offset:     | 1 / 99 |
| SCC Bandwidth (MHz): | 20     |
| SCC Frequency (MHz): | 1739.8 |
| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 3440.00         | H               | 136                 | 158                        | -78.03               | 7.22        | 36.19                   | -59.06                             | -13.00      | -46.06      |
| 5160.00         | H               | -                   | -                          | -80.73               | 10.65       | 36.92                   | -58.34                             | -13.00      | -45.34      |
| 6880.00         | H               | -                   | -                          | -81.81               | 13.86       | 39.05                   | -56.20                             | -13.00      | -43.20      |
| 8600.00         | H               | -                   | -                          | -82.83               | 16.34       | 40.51                   | -54.75                             | -13.00      | -41.75      |

**7-68. Radiated Spurious Data (ULCA LTE66 – Low Channel – Ant 1)**

|                                            |                                      |                           |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular | Page 181 of 205                   |

|                      |        |
|----------------------|--------|
| PCC Bandwidth (MHz): | 20     |
| PCC Frequency (MHz): | 1745.0 |
| PCC RB / Offset:     | 1 / 99 |
| SCC Bandwidth (MHz): | 20     |
| SCC Frequency (MHz): | 1764.8 |
| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 3490.00         | H               | 162                 | 173                        | -79.70               | 7.16        | 34.46                   | -60.80                             | -13.00      | -47.80      |
| 5235.00         | H               | -                   | -                          | -80.75               | 10.29       | 36.54                   | -58.72                             | -13.00      | -45.72      |
| 6980.00         | H               | -                   | -                          | -81.60               | 13.87       | 39.27                   | -55.99                             | -13.00      | -42.99      |
| 8725.00         | H               | -                   | -                          | -82.67               | 16.38       | 40.71                   | -54.55                             | -13.00      | -41.55      |

**Table 7-69. Radiated Spurious Data (ULCA LTE66 – Mid Channel – Ant 1)**

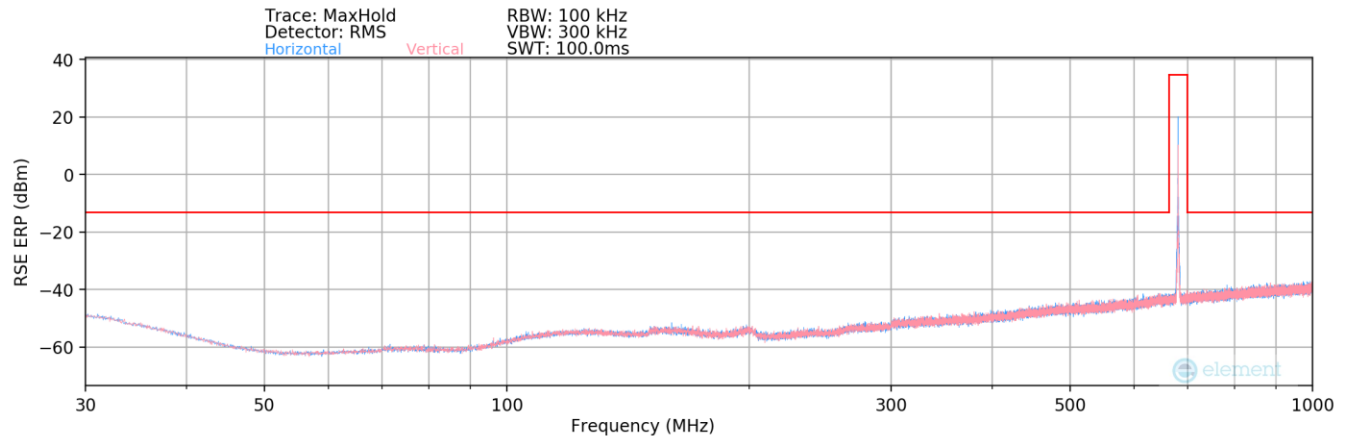
|                      |        |
|----------------------|--------|
| PCC Bandwidth (MHz): | 20     |
| PCC Frequency (MHz): | 1770.0 |
| PCC RB / Offset:     | 1 / 0  |
| SCC Bandwidth (MHz): | 20     |
| SCC Frequency (MHz): | 1750.2 |
| SCC RB / Offset:     | 1 / 99 |

| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 3540.00         | H               | 151                 | 161                        | -76.30               | 7.31        | 38.01                   | -57.25                             | -13.00      | -44.25      |
| 5310.00         | H               | -                   | -                          | -80.89               | 10.65       | 36.76                   | -58.49                             | -13.00      | -45.49      |
| 7080.00         | H               | -                   | -                          | -81.60               | 14.20       | 39.60                   | -55.66                             | -13.00      | -42.66      |
| 8850.00         | H               | -                   | -                          | -83.01               | 16.69       | 40.68                   | -54.58                             | -13.00      | -41.58      |

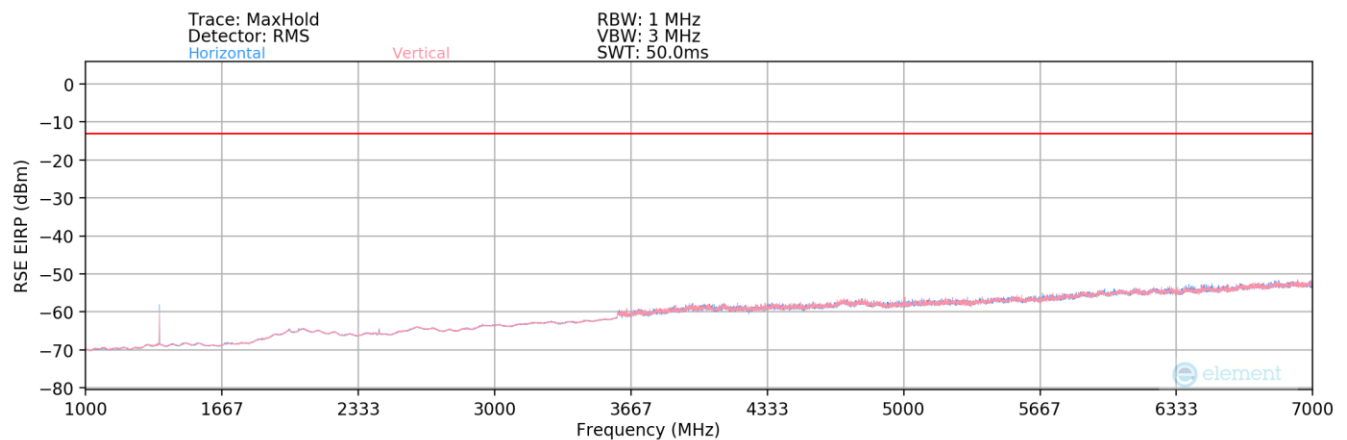
**Table 7-70. Radiated Spurious Data (ULCA LTE66 – High Channel – Ant 1)**

|                                            |                                      |                           |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular | Page 182 of 205                   |

## LTE Band 71 – Ant 5



**Plot 7-244. Radiated Spurious Plot Below 1GHz (LTE Band 71 – Ant 5)**



**Plot 7-245. Radiated Spurious Plot Above 1GHz (LTE Band 71 – Ant 5)**

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 688    |
| 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] | ERP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|-----------------------------------|-------------|-------------|
| 161.00          | V               | -                   | -                          | -108.77              | 19.87       | 18.10                   | -79.31                            | -13.00      | -66.31      |

**Table 7-71. Radiated Spurious Data (LTE Band 71 – Mid Channel – Ant 5)**

|                                            |                                      |                           |  |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|--|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           |  | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular |  | Page 183 of 205                   |

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 673    |
| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 1346.00         | V               | 123                 | 267                        | -68.49               | -6.97       | 31.54                   | -63.72                             | -13.00      | -50.72      |
| 2019.00         | V               | -                   | -                          | -76.90               | -3.20       | 26.90                   | -68.36                             | -13.00      | -55.36      |
| 2692.00         | V               | -                   | -                          | -77.06               | -2.59       | 27.35                   | -67.90                             | -13.00      | -54.90      |
| 3365.00         | V               | -                   | -                          | -77.07               | -1.02       | 28.91                   | -66.35                             | -13.00      | -53.35      |

**Table 7-72. Radiated Spurious Data (LTE Band 71 – Low Channel – Ant 5)**

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 680.5  |
| RB / Offset:     | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 1361.00         | V               | 396                 | 243                        | -44.25               | -7.03       | 55.72                   | -39.54                             | -13.00      | -26.54      |
| 2041.50         | V               | 396                 | 252                        | -52.03               | -2.77       | 52.20                   | -43.06                             | -13.00      | -30.06      |
| 2722.00         | V               | 400                 | 267                        | -69.42               | -2.96       | 34.62                   | -60.64                             | -13.00      | -47.64      |
| 3402.50         | V               | 131                 | 56                         | -69.68               | -1.14       | 36.18                   | -59.07                             | -13.00      | -46.07      |
| 4083.00         | V               | -                   | -                          | -78.23               | 1.53        | 30.30                   | -64.95                             | -13.00      | -51.95      |
| 4763.50         | V               | -                   | -                          | -78.47               | 3.08        | 31.61                   | -63.64                             | -13.00      | -50.64      |
| 5444.00         | V               | -                   | -                          | -78.32               | 3.98        | 32.66                   | -62.60                             | -13.00      | -49.60      |

**Table 7-73. Radiated Spurious Data (LTE Band 71 – Mid Channel – Ant 5)**

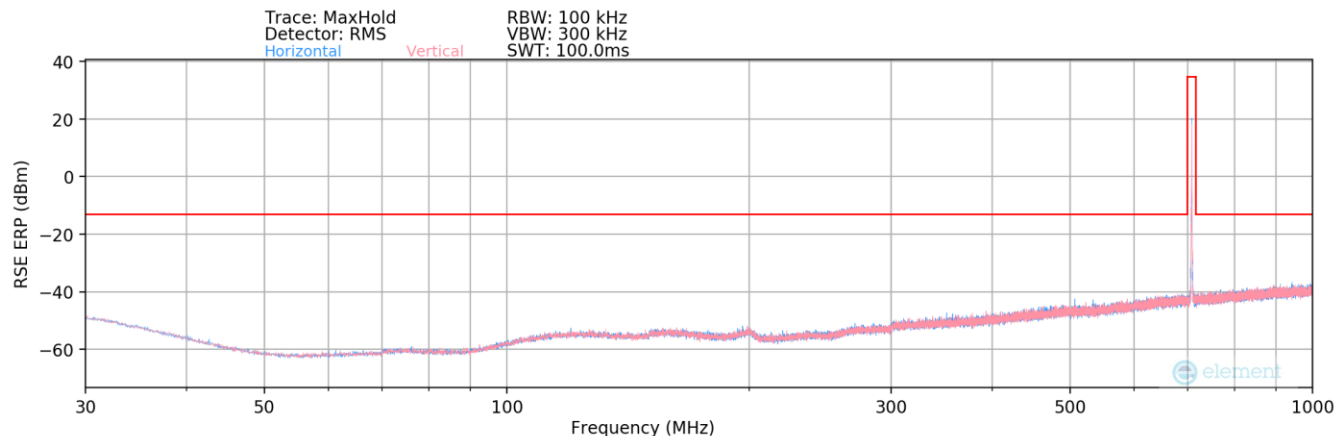
|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 688    |
| RB / Offset:     | 1 / 50 |

| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 1376.00         | V               | 235                 | 134                        | -64.79               | -7.04       | 35.17                   | -60.08                             | -13.00      | -47.08      |
| 2064.00         | V               | 231                 | 148                        | -71.27               | -2.76       | 32.97                   | -62.29                             | -13.00      | -49.29      |
| 2752.00         | V               | -                   | -                          | -77.38               | -3.05       | 26.57                   | -68.69                             | -13.00      | -55.69      |
| 3440.00         | V               | -                   | -                          | -76.84               | -0.97       | 29.19                   | -66.07                             | -13.00      | -53.07      |
| 4128.00         | V               | -                   | -                          | -77.31               | 1.55        | 31.24                   | -64.02                             | -13.00      | -51.02      |

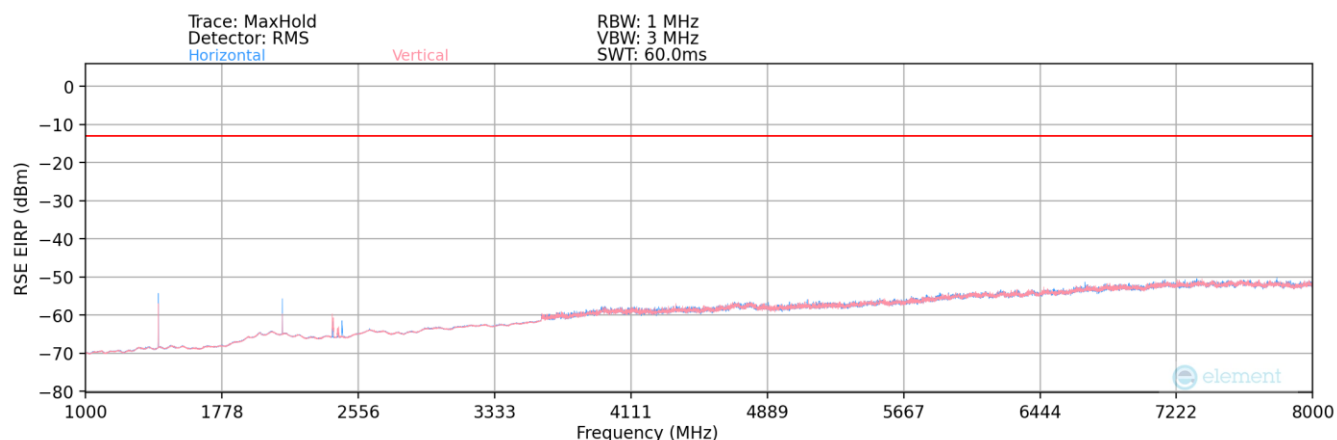
**Table 7-74. Radiated Spurious Data (LTE Band 71 – High Channel – Ant 5)**

|                                            |                                      |                           |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular | Page 184 of 205                   |

## LTE Band 12– Ant 5



**Plot 7-246. Radiated Spurious Plot Below 1GHz (LTE Band 12– Ant 5)**



**Plot 7-247. Radiated Spurious Plot Above 1GHz (LTE Band 12– Ant 5)**

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 10     |
| Frequency (MHz): | 711    |
| 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] | ERP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|-----------------------------------|-------------|-------------|
| 503.00          | H               | -                   | -                          | -108.35              | 25.96       | 24.61                   | -72.79                            | -13.00      | -59.79      |

**Table 7-75. Radiated Spurious Data (LTE Band 12– Mid Channel – Ant 5)**

|                                            |                                      |                           |  |  |                                   |  |
|--------------------------------------------|--------------------------------------|---------------------------|--|--|-----------------------------------|--|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           |  |  | Approved by:<br>Technical Manager |  |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular |  |  | Page 185 of 205                   |  |

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 10     |
| Frequency (MHz): | 704    |
| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 1408.00         | H               | 363                 | 190                        | -66.24               | -7.04       | 33.72                   | -61.54                             | -13.00      | -48.54      |
| 2112.00         | H               | 362                 | 193                        | -71.85               | -2.89       | 32.26                   | -63.00                             | -13.00      | -50.00      |
| 2816.00         | H               | -                   | -                          | -77.49               | -3.05       | 26.46                   | -68.79                             | -13.00      | -55.79      |
| 3520.00         | H               | -                   | -                          | -77.24               | -0.36       | 29.40                   | -65.86                             | -13.00      | -52.86      |
| 4224.00         | H               | -                   | -                          | -77.80               | 1.50        | 30.70                   | -64.56                             | -13.00      | -51.56      |

**Table 7-76. Radiated Spurious Data (LTE Band 12– Low Channel – Ant 5)**

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 10     |
| Frequency (MHz): | 707.5  |
| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 1415.00         | H               | 300                 | 55                         | -60.72               | -7.01       | 39.27                   | -55.99                             | -13.00      | -42.99      |
| 2122.50         | H               | 345                 | 0                          | -71.36               | -2.94       | 32.70                   | -62.56                             | -13.00      | -49.56      |
| 2830.00         | H               | -                   | -                          | -77.47               | -2.81       | 26.72                   | -68.54                             | -13.00      | -55.54      |
| 3537.50         | H               | -                   | -                          | -77.38               | -0.25       | 29.37                   | -65.88                             | -13.00      | -52.88      |
| 4245.00         | H               | -                   | -                          | -78.16               | 1.57        | 30.41                   | -64.85                             | -13.00      | -51.85      |

**Table 7-77. Radiated Spurious Data (LTE Band 12– Mid Channel – Ant 5)**

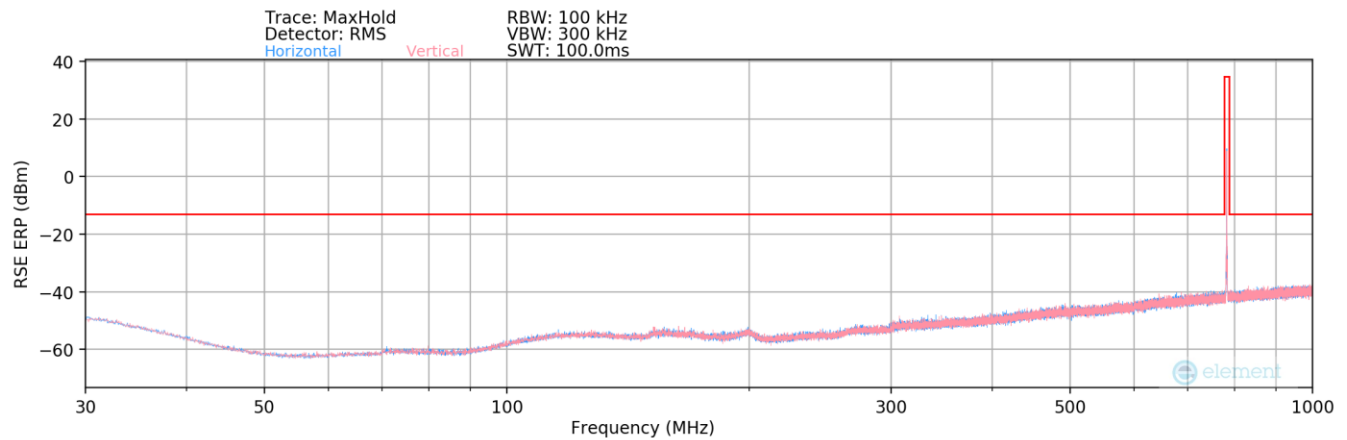
|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 10     |
| Frequency (MHz): | 711    |
| RB / Offset:     | 1 / 25 |

| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 1422.00         | H               | 164                 | 332                        | -69.34               | -6.99       | 30.67                   | -64.59                             | -13.00      | -51.59      |
| 2133.00         | H               | 179                 | 347                        | -67.04               | -3.00       | 36.96                   | -58.30                             | -13.00      | -45.30      |
| 2844.00         | H               | -                   | -                          | -77.03               | -2.71       | 27.26                   | -68.00                             | -13.00      | -55.00      |
| 3555.00         | H               | -                   | -                          | -77.44               | -0.15       | 29.41                   | -65.85                             | -13.00      | -52.85      |
| 4266.00         | H               | -                   | -                          | -78.00               | 1.70        | 30.70                   | -64.56                             | -13.00      | -51.56      |

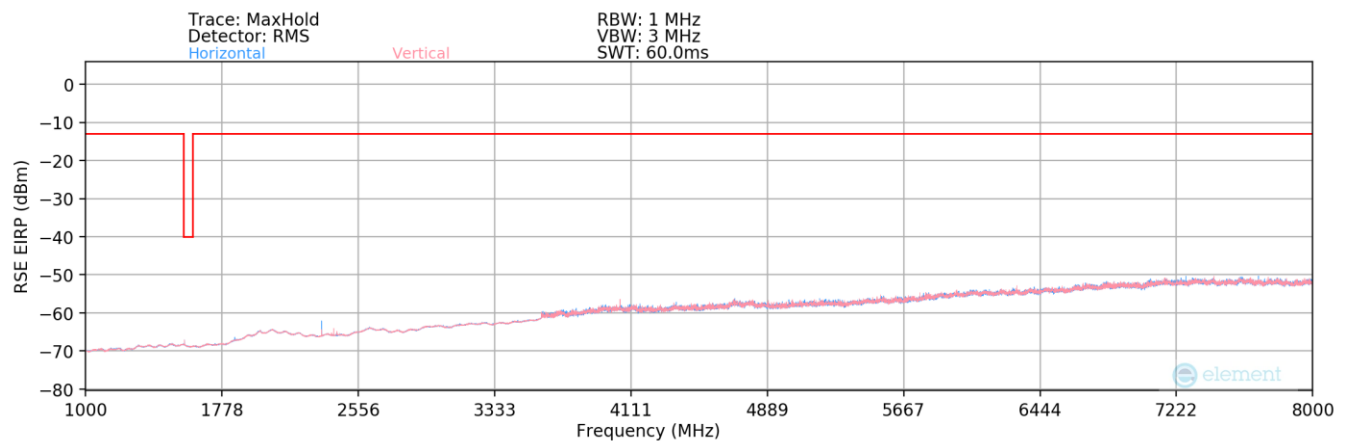
**Table 7-78. Radiated Spurious Data (LTE Band 12– High Channel – Ant 5)**

|                                            |                                      |                           |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular | Page 186 of 205                   |

## LTE Band 13 – Ant 5



**Plot 7-248. Radiated Spurious Plot Below 1GHz (LTE Band 13 – Ant 5)**



**Plot 7-249. Radiated Spurious Plot Above 1GHz (LTE Band 13 – Ant 5)**

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 10     |
| Frequency (MHz): | 782    |
| 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] | ERP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|-----------------------------------|-------------|-------------|
| 417.00          | H               | -                   | -                          | -108.80              | 23.93       | 22.13                   | -75.27                            | -13.00      | -62.27      |

**Table 7-79. Radiated Spurious Data (LTE Band 13 – Mid Channel – Ant 5)**

|                                            |                                      |                           |  |  |                                   |  |
|--------------------------------------------|--------------------------------------|---------------------------|--|--|-----------------------------------|--|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           |  |  | Approved by:<br>Technical Manager |  |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular |  |  | Page 187 of 205                   |  |

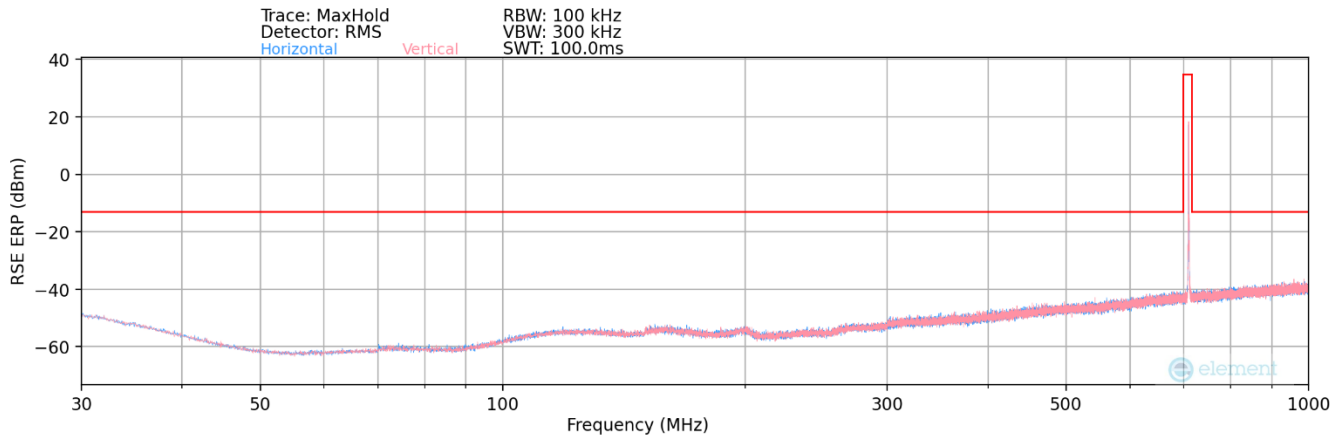
|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 10     |
| Frequency (MHz): | 782    |
| RB / Offset:     | 1 / 25 |

| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 1564.00         | H               | 136                 | 175                        | -72.87               | -6.81       | 27.32                   | -67.94                             | -40.00      | -27.94      |
| 2346.00         | H               | 142                 | 190                        | -73.02               | -4.05       | 29.93                   | -65.33                             | -13.00      | -52.33      |
| 3128.00         | H               | -                   | -                          | -76.80               | -1.75       | 28.45                   | -66.81                             | -13.00      | -53.81      |
| 3910.00         | H               | -                   | -                          | -78.53               | 1.27        | 29.74                   | -65.52                             | -13.00      | -52.52      |
| 4692.00         | H               | -                   | -                          | -78.15               | 3.03        | 31.88                   | -63.37                             | -13.00      | -50.37      |

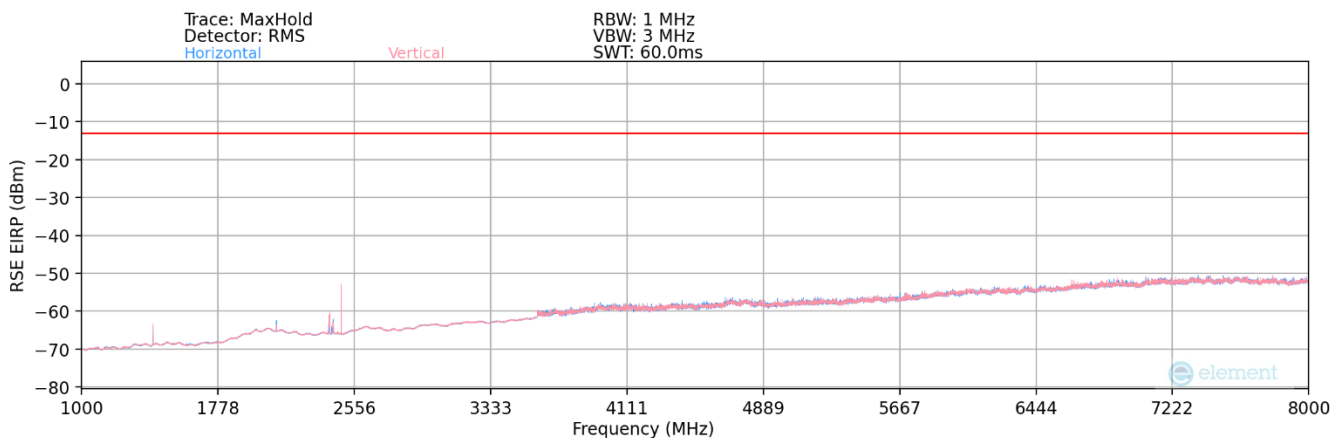
**Table 7-80. Radiated Spurious Data (LTE Band 13 – Mid Channel – Ant 5)**

|                                                   |                                             |                                  |                                          |
|---------------------------------------------------|---------------------------------------------|----------------------------------|------------------------------------------|
| <b>FCC ID:</b> C3K2114                            | <b>PART 27 MEASUREMENT REPORT</b>           |                                  | <b>Approved by:</b><br>Technical Manager |
| <b>Test Report S/N:</b><br>1M2411190103-03-R3.C3K | <b>Test Dates:</b><br>12/3/2024 - 2/14/2025 | <b>EUT Type:</b><br>Full Modular | Page 188 of 205                          |

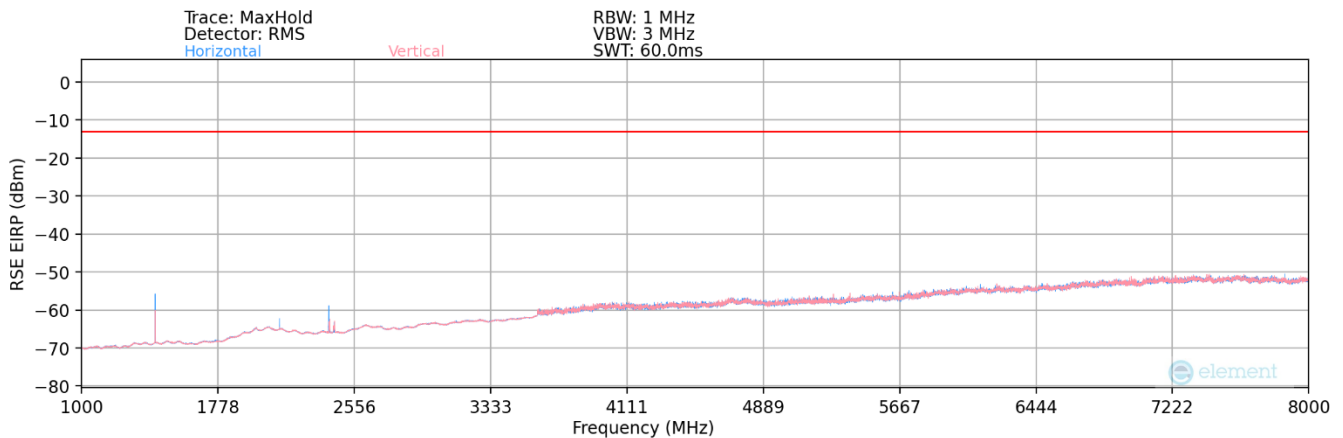
## LTE ULCA B12– Ant 5



**Plot 7-250. Radiated Spurious Plot Below 1GHz (ULCA LTE Band 12– Ant 5)**

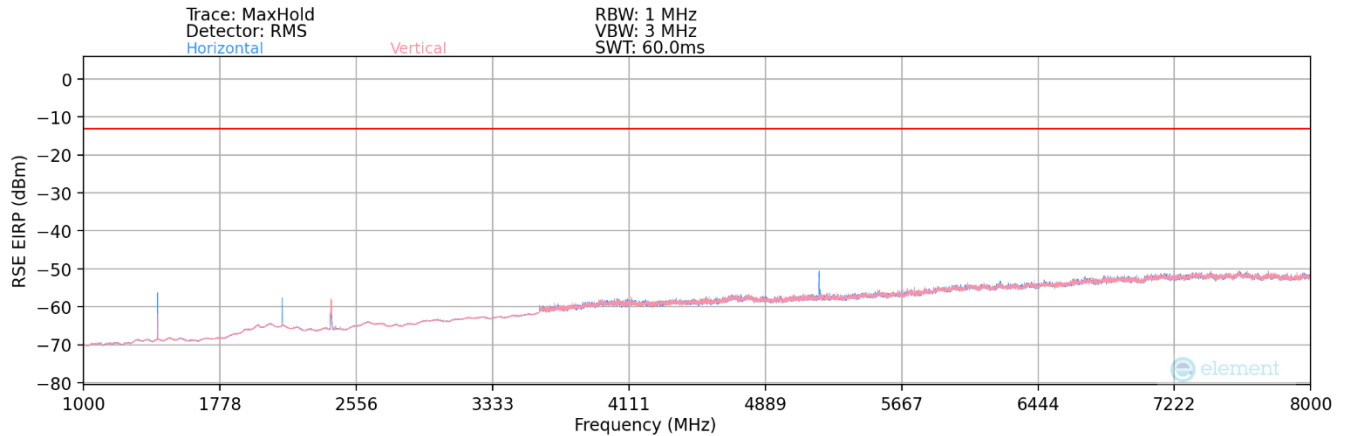


**Plot 7-251. Radiated Spurious Plot Above 1GHz (ULCA LTE Band 12– Ant 5)**



**Plot 7-252. Radiated Spurious Plot Above 1GHz (ULCA LTE Band 12– Ant 5)**

|                                            |                                      |                           |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular | Page 189 of 205                   |



**Plot 7-253. Radiated Spurious Plot Above 1GHz (UCLA LTE Band 12- Ant 5)**

|                      |        |
|----------------------|--------|
| PCC Bandwidth (MHz): | 5      |
| PCC Frequency (MHz): | 707.5  |
| PCC RB / Offset:     | 1 / 24 |
| SCC Bandwidth (MHz): | 5      |
| SCC Frequency (MHz): | 712.3  |
| 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 [dBuV/m] | ERP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|-----------------------------------|-------------|-------------|
| 200.00          | H               | -                   | -                          | -99.69               | 20.10       | 27.41                   | -69.99                            | -13.00      | -56.99      |

**Table 7-81. Radiated Spurious Data (ULCA LTE Band 12- Mid Channel - Ant 5)**

|                      |        |
|----------------------|--------|
| PCC Bandwidth (MHz): | 5      |
| PCC Frequency (MHz): | 701.5  |
| PCC RB / Offset:     | 1 / 24 |
| SCC Bandwidth (MHz): | 5      |
| SCC Frequency (MHz): | 706.3  |
| 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 [dBuV/m] | ERP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|-----------------------------------|-------------|-------------|
| 1407.80         | H               | 169                 | 293                        | -67.39               | -7.04       | 32.57                   | -62.69                            | -13.00      | -49.69      |
| 2111.70         | H               | 240                 | 252                        | -71.96               | -2.89       | 32.15                   | -63.11                            | -13.00      | -50.11      |
| 2815.60         | H               | -                   | -                          | -78.07               | -3.05       | 25.88                   | -69.38                            | -13.00      | -56.38      |
| 3519.50         | H               | -                   | -                          | -77.91               | -0.36       | 28.73                   | -66.53                            | -13.00      | -53.53      |
| 4223.40         | H               | -                   | -                          | -78.23               | 1.50        | 30.27                   | -64.99                            | -13.00      | -51.99      |

**Table 7-82. Radiated Spurious Data (ULCA LTE Band 12- Low Channel - Ant 5)**

|                                            |                                      |                           |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular | Page 190 of 205                   |

|                      |        |
|----------------------|--------|
| PCC Bandwidth (MHz): | 5      |
| PCC Frequency (MHz): | 707.5  |
| PCC RB / Offset:     | 1 / 24 |
| SCC Bandwidth (MHz): | 5      |
| SCC Frequency (MHz): | 712.3  |
| 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] | ERP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|-----------------------------------|-------------|-------------|
| 1419.80         | H               | 186                 | 63                         | -58.33               | -7.00       | 41.67                   | -53.59                            | -13.00      | -40.59      |
| 2129.70         | H               | 141                 | 191                        | -67.92               | -2.98       | 36.10                   | -59.16                            | -13.00      | -46.16      |
| 2839.60         | H               | -                   | -                          | -77.51               | -2.73       | 26.76                   | -68.50                            | -13.00      | -55.50      |
| 3549.50         | H               | -                   | -                          | -77.88               | -0.19       | 28.93                   | -66.33                            | -13.00      | -53.33      |
| 4259.40         | H               | -                   | -                          | -78.38               | 1.66        | 30.28                   | -64.98                            | -13.00      | -51.98      |

**Table 7-83. Radiated Spurious Data (ULCA LTE Band 12– Mid Channel – Ant 5)**

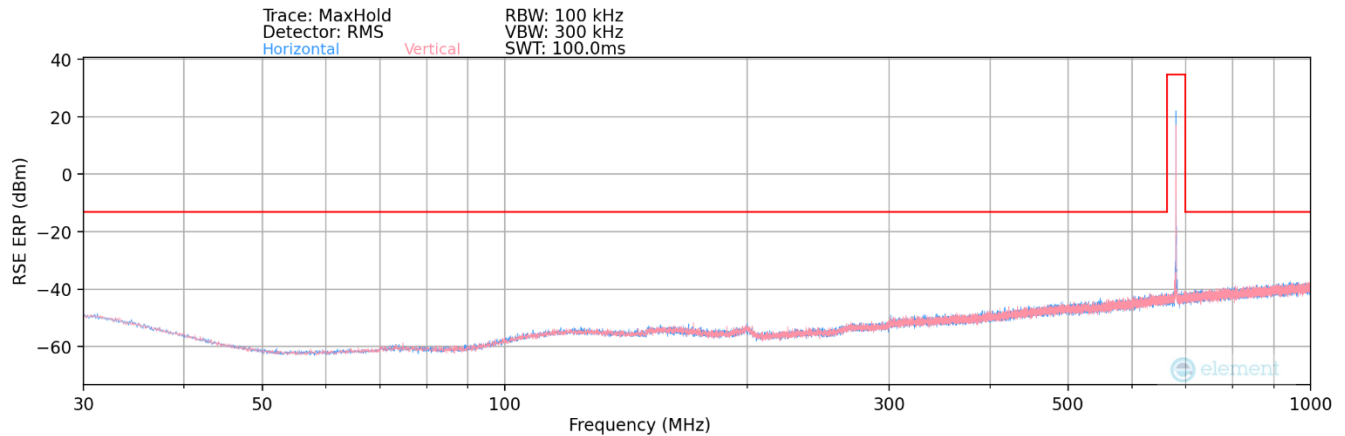
|                      |        |
|----------------------|--------|
| PCC Bandwidth (MHz): | 5      |
| PCC Frequency (MHz): | 713.5  |
| PCC RB / Offset:     | 1 / 0  |
| SCC Bandwidth (MHz): | 5      |
| SCC Frequency (MHz): | 708.7  |
| SCC RB / Offset:     | 1 / 24 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | ERP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|-----------------------------------|-------------|-------------|
| 1422.20         | H               | 285                 | 291                        | -61.50               | -6.99       | 38.51                   | -56.75                            | -13.00      | -43.75      |
| 2133.30         | H               | 178                 | 161                        | -64.69               | -3.01       | 39.30                   | -55.96                            | -13.00      | -42.96      |
| 2844.40         | H               | -                   | -                          | -77.47               | -2.71       | 26.82                   | -68.44                            | -13.00      | -55.44      |
| 3555.50         | H               | -                   | -                          | -78.09               | -0.14       | 28.77                   | -66.49                            | -13.00      | -53.49      |
| 4266.60         | H               | -                   | -                          | -78.27               | 1.70        | 30.43                   | -64.82                            | -13.00      | -51.82      |

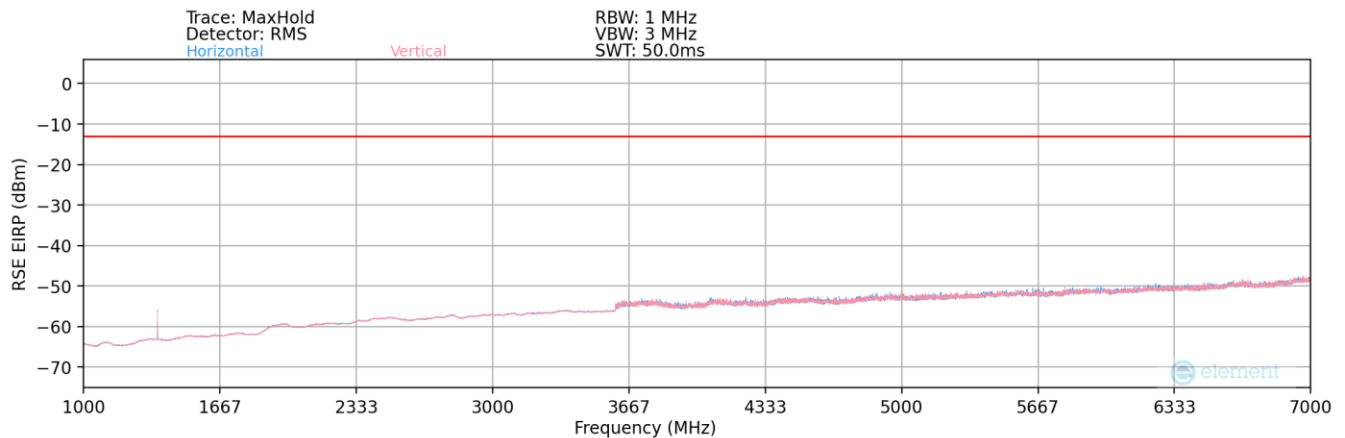
**Table 7-84. Radiated Spurious Data (ULCA LTE Band 12– High Channel – Ant 5)**

|                                            |                                      |                           |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular | Page 191 of 205                   |

## NR Band n71 – Ant 5



Plot 7-254. Radiated Spurious Plot Below 1GHz (NR Band n71 – Ant 5)



Plot 7-255. Radiated Spurious Plot Above 1GHz (NR Band n71 – Ant 5)

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 680.5  |
| RB / Offset:     | 1 / 53 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | ERP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|-----------------------------------|-------------|-------------|
| 300.00          | H               | -                   | -                          | -99.45               | 21.22       | 28.77                   | -68.64                            | -13.00      | -55.64      |

Table 7-85. Radiated Spurious Data (NR Band n71 – Mid Channel – Ant 5)

|                                            |                                      |                           |  |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|--|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           |  | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular |  | Page 192 of 205                   |

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 673    |
| RB / Offset:     | 1 / 53 |

| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 1346.00         | H               | 270                 | 56                         | -58.99               | -2.27       | 45.74                   | -49.52                             | -13.00      | -36.52      |
| 2019.00         | H               | 129                 | 19                         | -77.92               | 1.23        | 30.31                   | -64.95                             | -13.00      | -51.95      |
| 2692.00         | H               | -                   | -                          | -78.61               | 3.05        | 31.44                   | -63.82                             | -13.00      | -50.82      |
| 3365.00         | H               | -                   | -                          | -78.99               | 4.88        | 32.89                   | -62.37                             | -13.00      | -49.37      |
| 4038.00         | H               | -                   | -                          | -79.99               | 5.12        | 32.13                   | -63.13                             | -13.00      | -50.13      |

**Table 7-86. Radiated Spurious Data (NR Band n71 – Low Channel – Ant 5)**

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 680.5  |
| RB / Offset:     | 1 / 53 |

| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 1361.00         | H               | 211                 | 67                         | -61.88               | -2.35       | 42.77                   | -52.49                             | -13.00      | -39.49      |
| 2041.50         | H               | -                   | -                          | -78.18               | 1.05        | 29.87                   | -65.39                             | -13.00      | -52.39      |
| 2722.00         | H               | -                   | -                          | -78.77               | 3.42        | 31.65                   | -63.60                             | -13.00      | -50.60      |
| 3402.50         | H               | -                   | -                          | -78.99               | 4.60        | 32.61                   | -62.64                             | -13.00      | -49.64      |

**Table 7-87. Radiated Spurious Data (NR Band n71 – Mid Channel – Ant 5)**

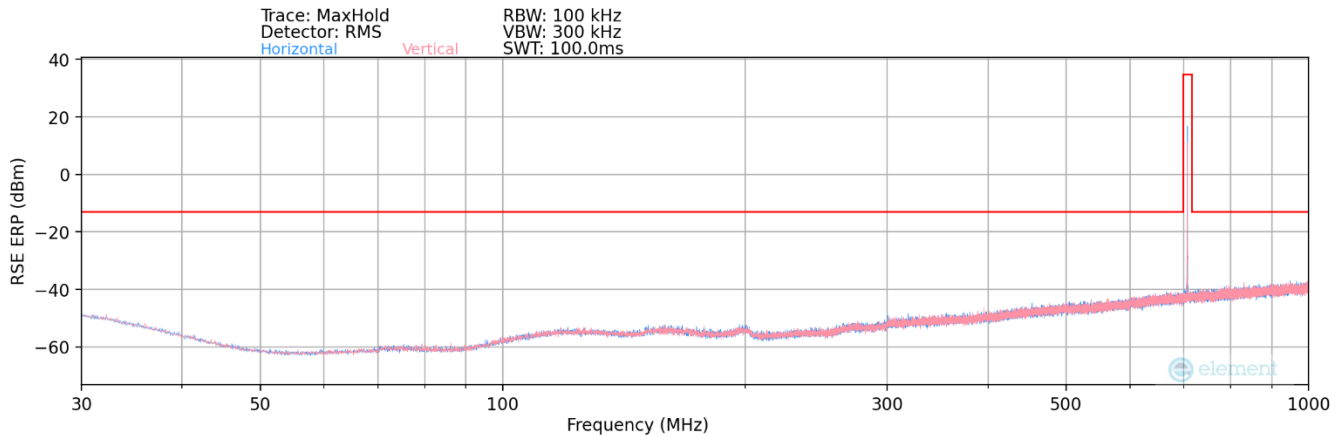
|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 688    |
| RB / Offset:     | 1 / 53 |

| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 1376.00         | H               | 137                 | 69                         | -61.91               | -2.47       | 42.62                   | -52.63                             | -13.00      | -39.63      |
| 2064.00         | H               | 189                 | 272                        | -74.38               | 0.93        | 33.55                   | -61.71                             | -13.00      | -48.71      |
| 2752.00         | H               | -                   | -                          | -78.76               | 3.33        | 31.57                   | -63.68                             | -13.00      | -50.68      |
| 3440.00         | H               | -                   | -                          | -78.60               | 4.49        | 32.89                   | -62.37                             | -13.00      | -49.37      |
| 4128.00         | H               | -                   | -                          | -80.15               | 5.84        | 32.69                   | -62.57                             | -13.00      | -49.57      |

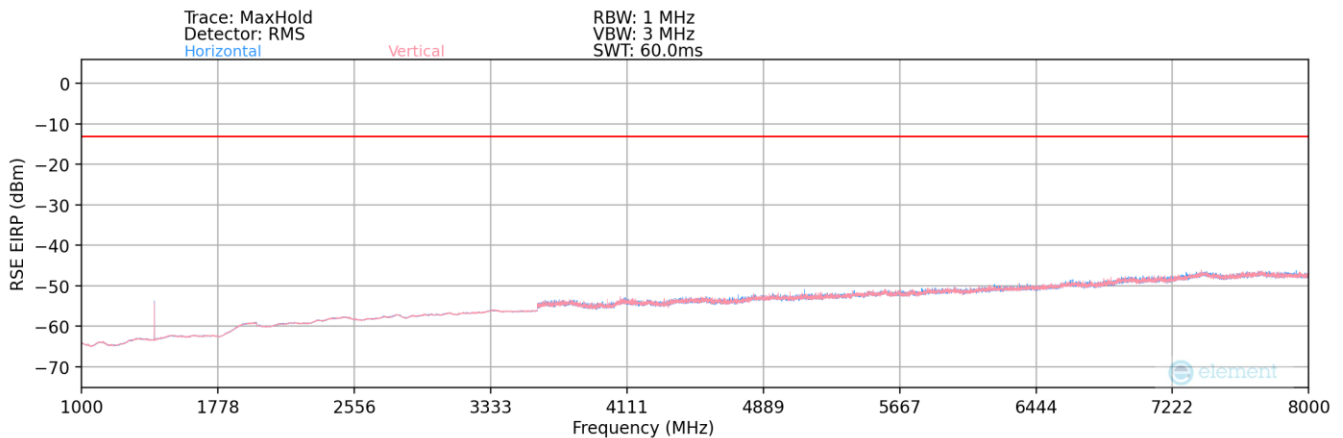
**Table 7-88. Radiated Spurious Data (NR Band n71 – High Channel – Ant 5)**

|                                            |                                      |                           |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular | Page 193 of 205                   |

## NR Band n12 – Ant 5



Plot 7-256. Radiated Spurious Plot Below 1GHz (NR Band n12 – Ant 5)



Plot 7-257. Radiated Spurious Plot Above 1GHz (NR Band n12 – Ant 5)

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 15     |
| Frequency (MHz): | 708.5  |
| RB / Offset:     | 1 / 39 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | ERP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|-----------------------------------|-------------|-------------|
| 300.00          | H               | -                   | -                          | -99.46               | 21.22       | 28.76                   | -68.65                            | -13.00      | -55.65      |

Table 7-89. Radiated Spurious Data (NR Band n12 – Mid Channel – Ant 5)

|                                            |                                      |                           |  |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|--|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           |  | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular |  | Page 194 of 205                   |

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 15     |
| Frequency (MHz): | 706.5  |
| RB / Offset:     | 1 / 39 |

| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 1413.00         | H               | 306                 | 52                         | -60.37               | -2.67       | 43.96                   | -51.30                             | -13.00      | -38.30      |
| 2119.50         | H               | 276                 | 358                        | -75.38               | 1.54        | 33.16                   | -62.09                             | -13.00      | -49.09      |
| 2826.00         | H               | -                   | -                          | -78.76               | 3.49        | 31.73                   | -63.53                             | -13.00      | -50.53      |
| 3532.50         | H               | -                   | -                          | -78.75               | 4.41        | 32.66                   | -62.60                             | -13.00      | -49.60      |
| 4239.00         | H               | -                   | -                          | -79.33               | 5.61        | 33.28                   | -61.97                             | -13.00      | -48.97      |

**Table 7-90. Radiated Spurious Data (NR Band n12 – Low Channel – Ant 5)**

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 15     |
| Frequency (MHz): | 707.5  |
| RB / Offset:     | 1 / 39 |

| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 1415.00         | H               | 376                 | 49                         | -61.50               | -2.65       | 42.85                   | -52.41                             | -13.00      | -39.41      |
| 2122.50         | H               | 316                 | 351                        | -75.46               | 1.56        | 33.10                   | -62.15                             | -13.00      | -49.15      |
| 2830.00         | H               | -                   | -                          | -78.83               | 3.39        | 31.56                   | -63.70                             | -13.00      | -50.70      |
| 3537.50         | H               | -                   | -                          | -78.65               | 4.43        | 32.78                   | -62.48                             | -13.00      | -49.48      |
| 4245.00         | H               | -                   | -                          | -79.24               | 5.54        | 33.30                   | -61.96                             | -13.00      | -48.96      |

**Table 7-91. Radiated Spurious Data (NR Band n12 – Mid Channel – Ant 5)**

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 15     |
| Frequency (MHz): | 708.5  |
| RB / Offset:     | 1 / 39 |

| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 1417.00         | H               | 310                 | 42                         | -62.11               | -2.63       | 42.26                   | -52.99                             | -13.00      | -39.99      |
| 2125.50         | H               | 165                 | 64                         | -77.15               | 1.59        | 31.44                   | -63.82                             | -13.00      | -50.82      |
| 2834.00         | H               | -                   | -                          | -78.11               | 3.29        | 32.18                   | -63.07                             | -13.00      | -50.07      |
| 3542.50         | H               | -                   | -                          | -78.69               | 4.47        | 32.78                   | -62.48                             | -13.00      | -49.48      |
| 4251.00         | H               | -                   | -                          | -79.32               | 5.47        | 33.15                   | -62.11                             | -13.00      | -49.11      |

**Table 7-92. Radiated Spurious Data (NR Band n12 – High Channel – Ant 5)**

|                                            |                                      |                           |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular | Page 195 of 205                   |

## 7.8 Frequency Stability / Temperature Variation

### Test Overview and Limit

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

- a.) **Temperature:** The temperature is varied from -30°C to +50°C in 10°C increments using an environmental chamber.
- b.) **Primary Supply Voltage:** The primary supply voltage is varied from 85% to 115% of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

***For Part 27, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.***

### Test Procedure Used

ANSI C63.26-2015 – Section 5.6

### Test Settings

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

### Test Setup

The EUT was connected via an RF cable to a spectrum analyzer with the EUT placed inside an environmental chamber.

### Test Notes

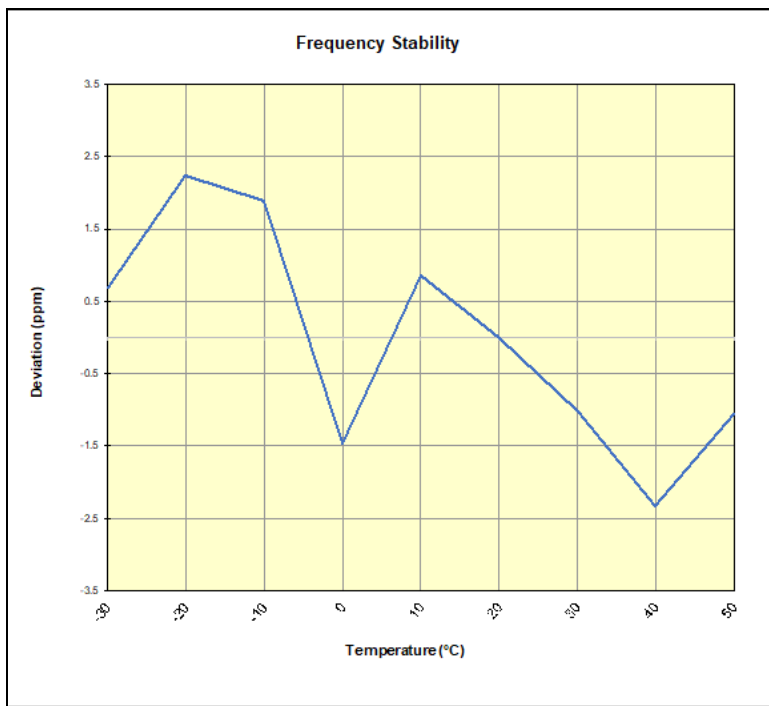
None

|                                            |                                      |                           |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular | Page 196 of 205                   |

## Frequency Stability / Temperature Variation

| LTE Band 71      |             |                           |                |                       |               |
|------------------|-------------|---------------------------|----------------|-----------------------|---------------|
|                  |             | Operating Frequency (Hz): |                | 680,500,000           |               |
|                  |             | Ref. Voltage (VDC):       |                | 3.85                  |               |
|                  |             | Deviation Limit:          |                | ± 0.00025% or 2.5 ppm |               |
| Voltage (%)      | Power (VDC) | Temp (°C)                 | Frequency (Hz) | Freq. Dev. (Hz)       | Deviation (%) |
| 100 %            | 3.85        | - 30                      | 680,503,846    | 474                   | 0.0000696     |
|                  |             | - 20                      | 680,504,896    | 1,523                 | 0.0002238     |
|                  |             | - 10                      | 680,504,664    | 1,291                 | 0.0001897     |
|                  |             | 0                         | 680,502,379    | -993                  | -0.0001460    |
|                  |             | + 10                      | 680,503,957    | 585                   | 0.0000859     |
|                  |             | + 20 (Ref)                | 680,503,372    | 0                     | 0.0000000     |
|                  |             | + 30                      | 680,502,673    | -699                  | -0.0001027    |
|                  |             | + 40                      | 680,501,787    | -1,585                | -0.0002330    |
|                  |             | + 50                      | 680,502,653    | -720                  | -0.0001058    |
| Battery Endpoint | 2.80        | + 20                      | 680,503,296    | -76                   | -0.0000112    |

Table 7-93. LTE Band 71 Frequency Stability Data



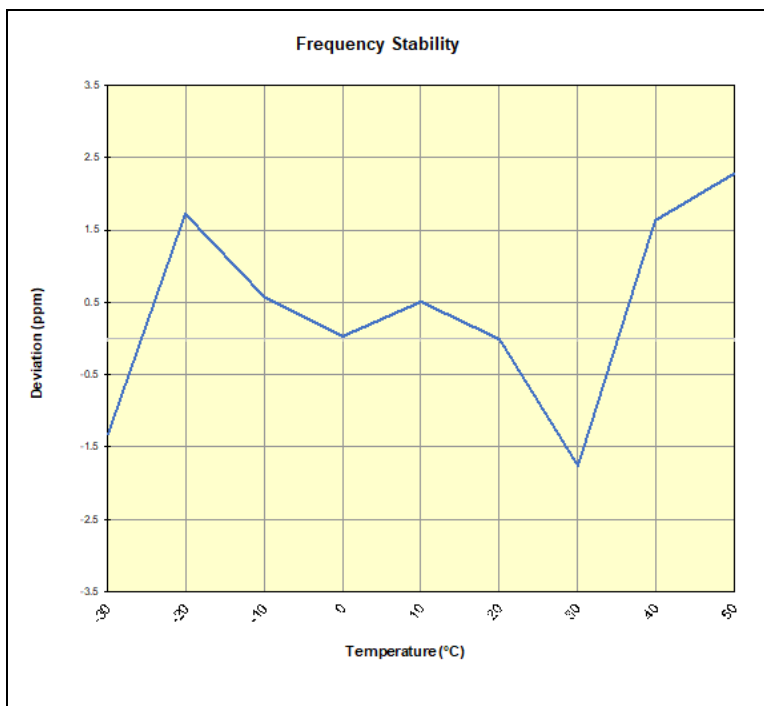
Plot 7-258. LTE Band 71 Frequency Stability Chart

|                                            |                                      |                           |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular | Page 197 of 205                   |

## Frequency Stability / Temperature Variation

| LTE Band 12      |             |                           |                |                       |               |
|------------------|-------------|---------------------------|----------------|-----------------------|---------------|
|                  |             | Operating Frequency (Hz): |                | 707,500,000           |               |
|                  |             | Ref. Voltage (VDC):       |                | 3.85                  |               |
|                  |             | Deviation Limit:          |                | ± 0.00025% or 2.5 ppm |               |
| Voltage (%)      | Power (VDC) | Temp (°C)                 | Frequency (Hz) | Freq. Dev. (Hz)       | Deviation (%) |
| 100 %            | 3.85        | - 30                      | 707,504,372    | -927                  | -0.0001310    |
|                  |             | - 20                      | 707,506,514    | 1,215                 | 0.0001717     |
|                  |             | - 10                      | 707,505,713    | 414                   | 0.0000585     |
|                  |             | 0                         | 707,505,314    | 15                    | 0.0000021     |
|                  |             | + 10                      | 707,505,664    | 365                   | 0.0000515     |
|                  |             | + 20 (Ref)                | 707,505,299    | 0                     | 0.0000000     |
|                  |             | + 30                      | 707,504,060    | -1,239                | -0.0001751    |
|                  |             | + 40                      | 707,506,458    | 1,159                 | 0.0001638     |
|                  |             | + 50                      | 707,506,909    | 1,610                 | 0.0002275     |
| Battery Endpoint | 2.80        | + 20                      | 707,505,608    | 309                   | 0.0000437     |

Table 7-94. LTE Band 12 Frequency Stability Data



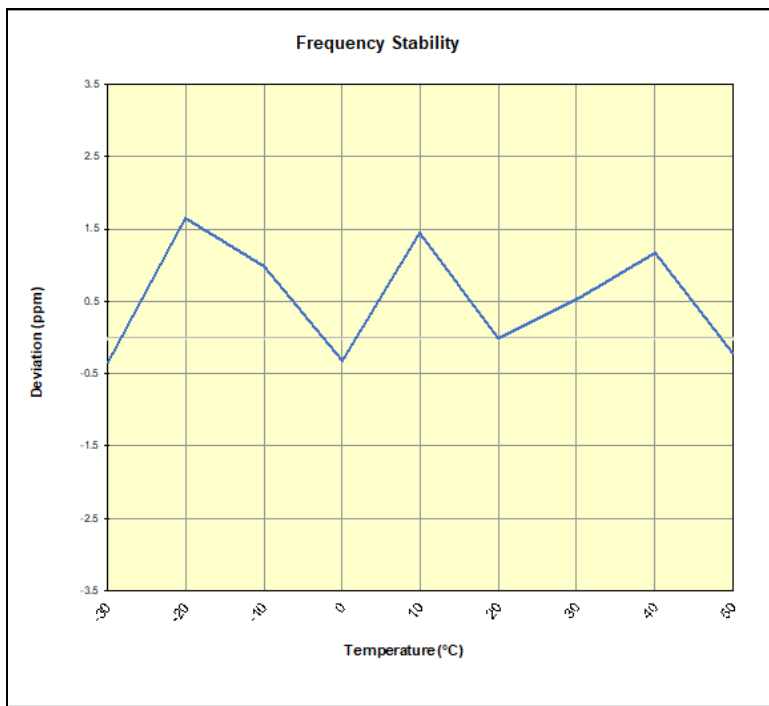
Plot 7-259. LTE Band 12 Frequency Stability Chart

|                                            |                                      |                           |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular | Page 198 of 205                   |

## Frequency Stability / Temperature Variation

| LTE Band 13      |             |                           |                |                       |               |
|------------------|-------------|---------------------------|----------------|-----------------------|---------------|
|                  |             | Operating Frequency (Hz): |                | 782,000,000           |               |
|                  |             | Ref. Voltage (VDC):       |                | 3.85                  |               |
|                  |             | Deviation Limit:          |                | ± 0.00025% or 2.5 ppm |               |
| Voltage (%)      | Power (VDC) | Temp (°C)                 | Frequency (Hz) | Freq. Dev. (Hz)       | Deviation (%) |
| 100 %            | 3.85        | - 30                      | 782,004,477    | -271                  | -0.000347     |
|                  |             | - 20                      | 782,006,032    | 1,284                 | 0.0001641     |
|                  |             | - 10                      | 782,005,527    | 779                   | 0.0000996     |
|                  |             | 0                         | 782,004,490    | -258                  | -0.000330     |
|                  |             | + 10                      | 782,005,884    | 1,137                 | 0.0001453     |
|                  |             | + 20 (Ref)                | 782,004,748    | 0                     | 0.0000000     |
|                  |             | + 30                      | 782,005,153    | 405                   | 0.0000518     |
|                  |             | + 40                      | 782,005,669    | 921                   | 0.0001177     |
|                  |             | + 50                      | 782,004,582    | -166                  | -0.000212     |
| Battery Endpoint | 2.80        | + 20                      | 782,006,081    | 1,333                 | 0.0001704     |

Table 7-95. LTE Band 13 Frequency Stability Data



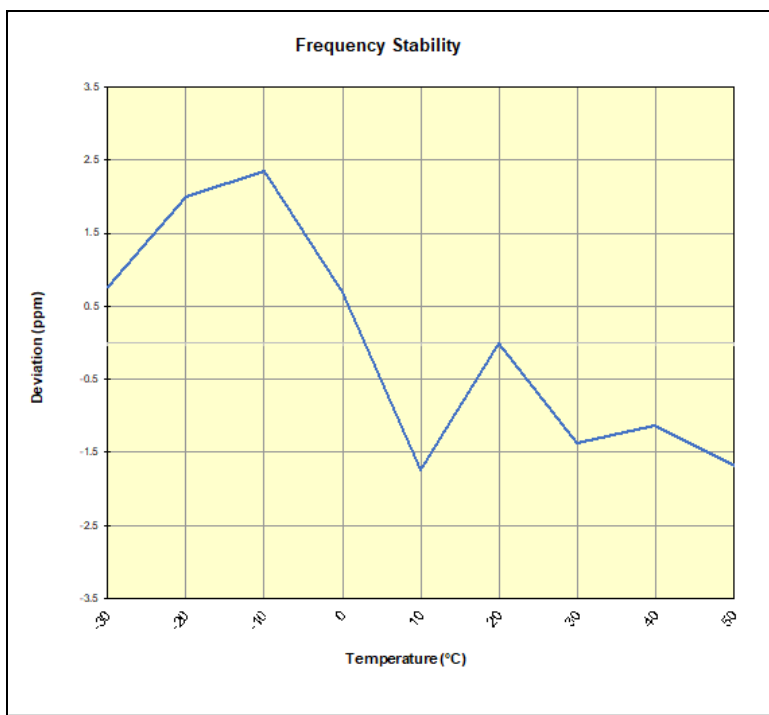
Plot 7-260. LTE Band 13 Frequency Stability Chart

|                                            |                                      |                           |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular | Page 199 of 205                   |

## Frequency Stability / Temperature Variation

| NR Band n71               |             |            |                       |                 |               |
|---------------------------|-------------|------------|-----------------------|-----------------|---------------|
| Operating Frequency (Hz): |             |            | 680,500,000           |                 |               |
| Ref. Voltage (VDC):       |             |            | 3.85                  |                 |               |
| Deviation Limit:          |             |            | ± 0.00025% or 2.5 ppm |                 |               |
| Voltage (%)               | Power (VDC) | Temp (°C)  | Frequency (Hz)        | Freq. Dev. (Hz) | Deviation (%) |
| 100 %                     | 3.85        | - 30       | 680,490,820           | 518             | 0.0000762     |
|                           |             | - 20       | 680,491,662           | 1,360           | 0.0001999     |
|                           |             | - 10       | 680,491,901           | 1,599           | 0.0002350     |
|                           |             | 0          | 680,490,778           | 477             | 0.0000700     |
|                           |             | + 10       | 680,489,120           | -1,181          | -0.0001736    |
|                           |             | + 20 (Ref) | 680,490,302           | 0               | 0.0000000     |
|                           |             | + 30       | 680,489,363           | -938            | -0.0001379    |
|                           |             | + 40       | 680,489,532           | -770            | -0.0001131    |
|                           |             | + 50       | 680,489,153           | -1,149          | -0.0001688    |
| Battery Endpoint          | 2.80        | + 20       | 680,489,035           | -1,266          | -0.0001861    |

Table 7-96. NR Band n71 Frequency Stability Data



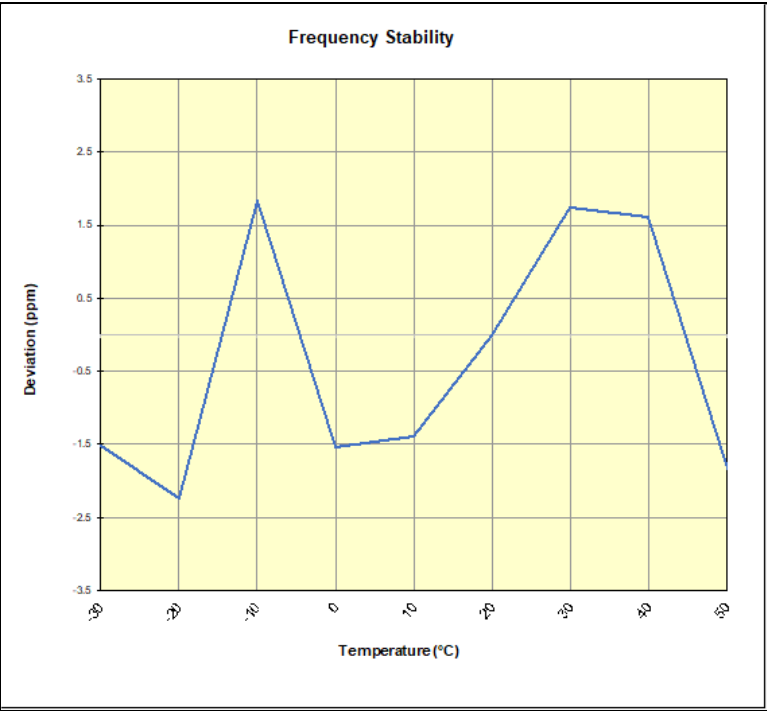
Plot 7-261. NR Band n71 Frequency Stability Chart

|                                            |                                      |                           |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular | Page 200 of 205                   |

Frequency Stability / Temperature Variation

| NR Band n12               |             |            |                       |                 |               |
|---------------------------|-------------|------------|-----------------------|-----------------|---------------|
| Operating Frequency (Hz): |             |            | 707,500,000           |                 |               |
| Ref. Voltage (VDC):       |             |            | 3.85                  |                 |               |
| Deviation Limit:          |             |            | ± 0.00025% or 2.5 ppm |                 |               |
| Voltage (%)               | Power (VDC) | Temp (°C)  | Frequency (Hz)        | Freq. Dev. (Hz) | Deviation (%) |
| 100 %                     | 3.85        | - 30       | 707,492,651           | -1,069          | -0.0001511    |
|                           |             | - 20       | 707,492,138           | -1,582          | -0.0002236    |
|                           |             | - 10       | 707,495,019           | 1,299           | 0.0001836     |
|                           |             | 0          | 707,492,628           | -1,092          | -0.0001544    |
|                           |             | + 10       | 707,492,733           | -987            | -0.0001395    |
|                           |             | + 20 (Ref) | 707,493,720           | 0               | 0.0000000     |
|                           |             | + 30       | 707,494,947           | 1,227           | 0.0001734     |
|                           |             | + 40       | 707,494,867           | 1,147           | 0.0001622     |
|                           |             | + 50       | 707,492,418           | -1,302          | -0.0001840    |
| Battery Endpoint          | 2.80        | + 20       | 707,493,749           | 29              | 0.0000042     |

Table 7-97. NR Band n12 Frequency Stability Data



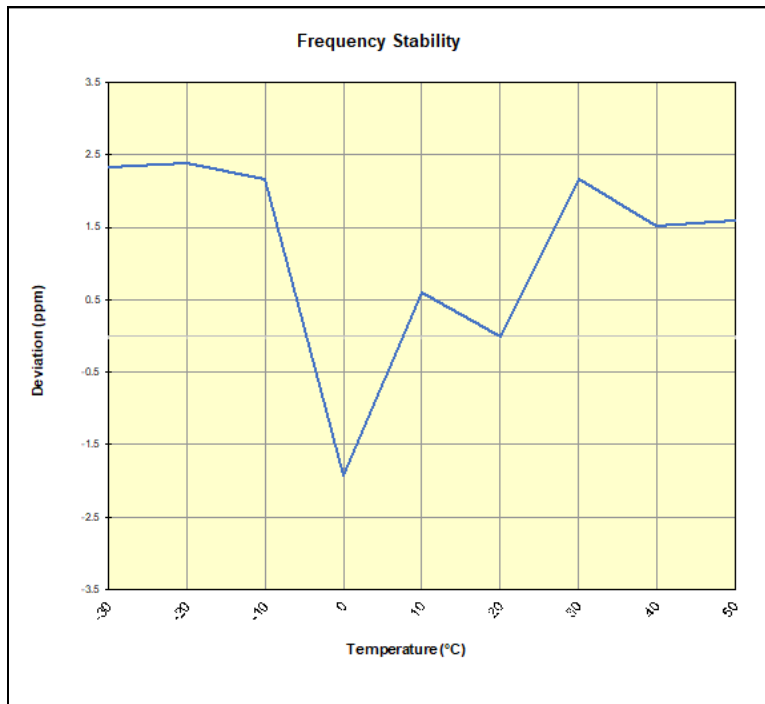
Plot 7-262. NR Band n12 Frequency Stability Chart

|                                            |                                      |                           |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular | Page 201 of 205                   |

## Frequency Stability / Temperature Variation

| WCDMA AWS        |             |                           |                |                       |               |
|------------------|-------------|---------------------------|----------------|-----------------------|---------------|
|                  |             | Operating Frequency (Hz): |                | 1,732,600,000         |               |
|                  |             | Ref. Voltage (VDC):       |                | 3.85                  |               |
|                  |             | Deviation Limit:          |                | ± 0.00025% or 2.5 ppm |               |
| Voltage (%)      | Power (VDC) | Temp (°C)                 | Frequency (Hz) | Freq. Dev. (Hz)       | Deviation (%) |
| 100 %            | 3.85        | - 30                      | 1,732,563,587  | 4,055                 | 0.0002340     |
|                  |             | - 20                      | 1,732,563,654  | 4,122                 | 0.0002379     |
|                  |             | - 10                      | 1,732,563,293  | 3,760                 | 0.0002170     |
|                  |             | 0                         | 1,732,556,193  | -3,339                | -0.0001927    |
|                  |             | + 10                      | 1,732,560,584  | 1,051                 | 0.0000607     |
|                  |             | + 20 (Ref)                | 1,732,559,532  | 0                     | 0.0000000     |
|                  |             | + 30                      | 1,732,563,287  | 3,754                 | 0.0002167     |
|                  |             | + 40                      | 1,732,562,157  | 2,624                 | 0.0001515     |
|                  |             | + 50                      | 1,732,562,295  | 2,763                 | 0.0001595     |
| Battery Endpoint | 2.80        | + 20                      | 1,732,559,859  | 327                   | 0.0000189     |

**Table 7-98. WCDMA AWS Frequency Stability Data**



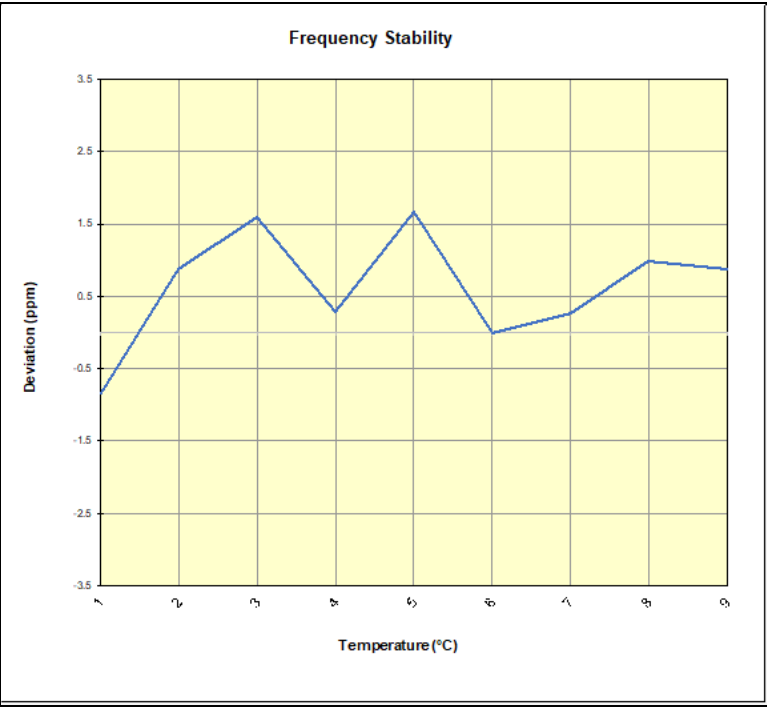
**Plot 7-263. WCDMA AWS Frequency Stability Chart**

|                                            |                                      |                           |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular | Page 202 of 205                   |

Frequency Stability / Temperature Variation

| LTE Band 66/4    |             |                           |                |                       |               |
|------------------|-------------|---------------------------|----------------|-----------------------|---------------|
|                  |             | Operating Frequency (Hz): |                | 1,745,000,000         |               |
|                  |             | Ref. Voltage (VDC):       |                | 3.85                  |               |
|                  |             | Deviation Limit:          |                | ± 0.00025% or 2.5 ppm |               |
| Voltage (%)      | Power (VDC) | Temp (°C)                 | Frequency (Hz) | Freq. Dev. (Hz)       | Deviation (%) |
| 100 %            | 3.85        | - 30                      | 1,745,009,116  | -1,446                | -0.0000829    |
|                  |             | - 20                      | 1,745,012,083  | 1,521                 | 0.0000872     |
|                  |             | - 10                      | 1,745,013,358  | 2,796                 | 0.0001602     |
|                  |             | 0                         | 1,745,011,049  | 487                   | 0.0000279     |
|                  |             | + 10                      | 1,745,013,488  | 2,926                 | 0.0001677     |
|                  |             | + 20 (Ref)                | 1,745,010,562  | 0                     | 0.0000000     |
|                  |             | + 30                      | 1,745,011,042  | 480                   | 0.0000275     |
|                  |             | + 40                      | 1,745,012,281  | 1,719                 | 0.0000985     |
|                  |             | + 50                      | 1,745,012,086  | 1,524                 | 0.0000873     |
| Battery Endpoint | 2.80        | + 20                      | 1,745,012,383  | 1,821                 | 0.0001044     |

Table 7-99. LTE Band 66/4 Frequency Stability Data



Plot 7-264. LTE Band 66/4 Frequency Stability Chart

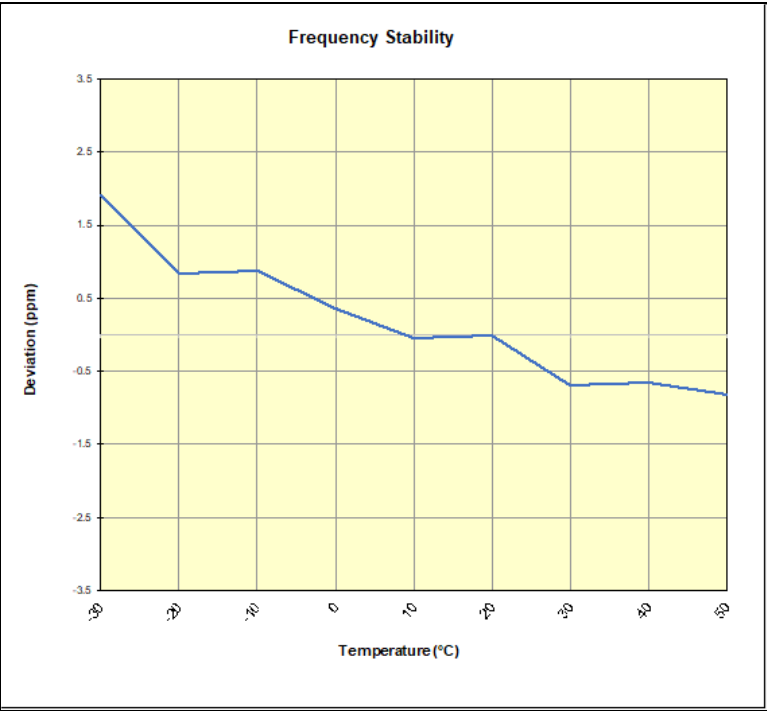
|                                            |                                      |                           |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular | Page 203 of 205                   |



Frequency Stability / Temperature Variation

| NR Band n66               |             |            |                       |                 |               |
|---------------------------|-------------|------------|-----------------------|-----------------|---------------|
| Operating Frequency (Hz): |             |            | 1,745,000,000         |                 |               |
| Ref. Voltage (VDC):       |             |            | 3.85                  |                 |               |
| Deviation Limit:          |             |            | ± 0.00025% or 2.5 ppm |                 |               |
| Voltage (%)               | Power (VDC) | Temp (°C)  | Frequency (Hz)        | Freq. Dev. (Hz) | Deviation (%) |
| 100 %                     | 3.85        | - 30       | 1,744,995,431         | 3,341           | 0.0001914     |
|                           |             | - 20       | 1,744,993,551         | 1,460           | 0.0000837     |
|                           |             | - 10       | 1,744,993,636         | 1,546           | 0.0000886     |
|                           |             | 0          | 1,744,992,716         | 626             | 0.0000359     |
|                           |             | + 10       | 1,744,992,022         | -69             | -0.0000039    |
|                           |             | + 20 (Ref) | 1,744,992,091         | 0               | 0.0000000     |
|                           |             | + 30       | 1,744,990,872         | -1,218          | -0.0000698    |
|                           |             | + 40       | 1,744,990,964         | -1,126          | -0.0000645    |
|                           |             | + 50       | 1,744,990,652         | -1,439          | -0.0000825    |
| Battery Endpoint          | 2.80        | + 20       | 1,744,991,449         | -642            | -0.0000368    |

Table 7-100. NR Band n66 Frequency Stability Data



Plot 7-265. NR Band n66 Frequency Stability Chart

|                                            |                                      |                           |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular | Page 204 of 205                   |



8.0CONCLUSION

The data collected relate only to the item(s) tested and show that the **Microsoft Corporation Full Modular FCC ID: C3K2114** complies with all the requirements of Part 27 of the FCC rules.

|                                            |                                      |                           |                                   |
|--------------------------------------------|--------------------------------------|---------------------------|-----------------------------------|
| FCC ID: C3K2114                            | PART 27 MEASUREMENT REPORT           |                           | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2411190103-03-R3.C3K | Test Dates:<br>12/3/2024 - 2/14/2025 | EUT Type:<br>Full Modular | Page 205 of 205                   |