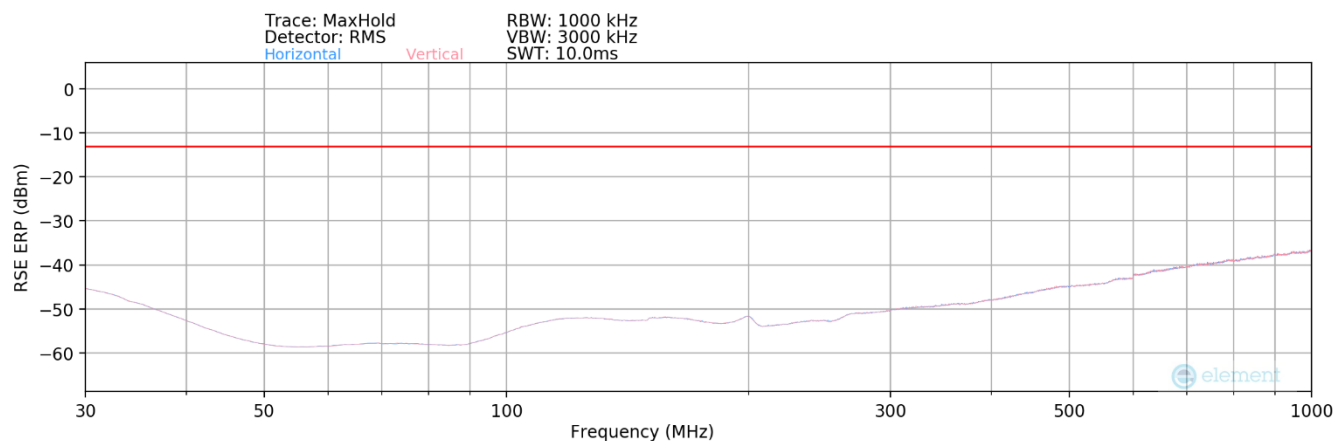
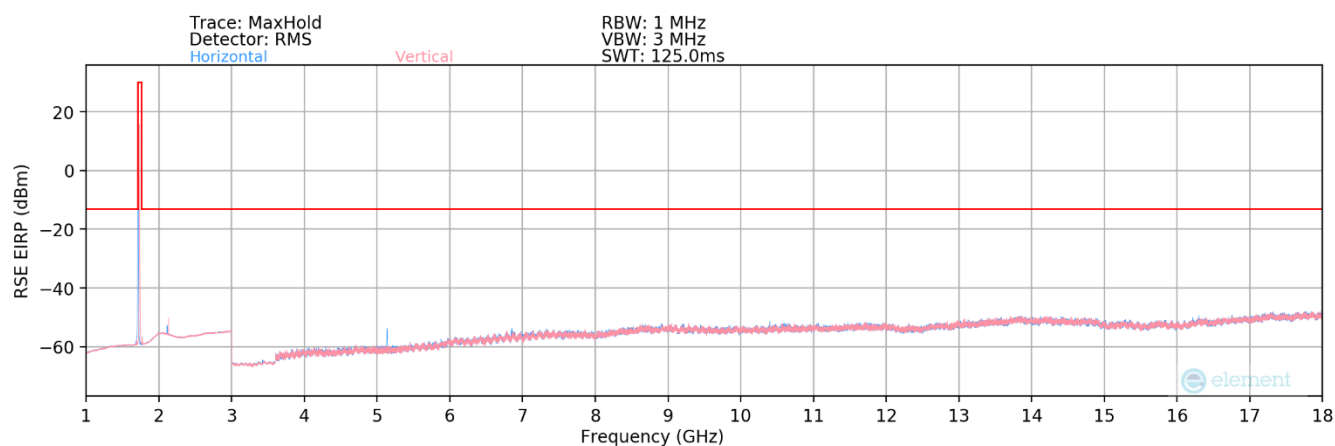


## WCDMA AWS – Ant2



**Plot 7-249. Radiated Spurious Plot (WCDMA AWS) – Ant2**



**Plot 7-250. Radiated Spurious Plot (WCDMA AWS) – Ant2**

|                  |          |
|------------------|----------|
| Mode:            | WCDMARMC |
| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|-----------------------------------|-------------|-------------|
| 700.00          | V               | -                   | -                          | -83.02               | 28.81       | 52.79                   | -44.62                            | -13.00      | -31.62      |

**Table 7-61. Radiated Spurious Data (WCDMA AWS) – Ant2**

|                                         |                                     |                               |  |  |                                   |  |
|-----------------------------------------|-------------------------------------|-------------------------------|--|--|-----------------------------------|--|
| FCC ID: A3LSMS942B                      | PART 27 MEASUREMENT REPORT          |                               |  |  | Approved by:<br>Technical Manager |  |
| Test Report S/N:<br>1M2508270084-08.A3L | Test Dates:<br>9/3/2025 - 10/3/2025 | EUT Type:<br>Portable Handset |  |  | Page 203 of 222                   |  |

|                  |           |
|------------------|-----------|
| 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               | 245                 | 133                        | -72.94               | 0.28        | 34.34                   | -60.92                             | -13.00      | -47.92      |
| 5137.20         | V               | 129                 | 274                        | -59.74               | 3.32        | 50.58                   | -44.67                             | -13.00      | -31.67      |
| 6849.60         | V               | 289                 | 26                         | -73.58               | 8.81        | 42.23                   | -53.02                             | -13.00      | -40.02      |
| 8562.00         | V               | -                   | -                          | -78.08               | 11.00       | 39.92                   | -55.34                             | -13.00      | -42.34      |
| 10274.40        | V               | -                   | -                          | -78.52               | 12.35       | 40.83                   | -54.43                             | -13.00      | -41.43      |
| 11986.80        | V               | -                   | -                          | -78.88               | 13.30       | 41.42                   | -53.84                             | -13.00      | -40.84      |

**Table 7-62. Radiated Spurious Data (WCDMA AWS – Low Channel) – Ant2**

|                  |           |
|------------------|-----------|
| 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               | 128                 | 203                        | -71.63               | 0.13        | 35.50                   | -59.76                             | -13.00      | -46.76      |
| 5197.80         | V               | 110                 | 305                        | -58.12               | 10.24       | 59.12                   | -36.14                             | -13.00      | -23.14      |
| 6930.40         | V               | -                   | -                          | -77.17               | 8.37        | 38.20                   | -57.06                             | -13.00      | -44.06      |
| 8663.00         | V               | -                   | -                          | -77.82               | 11.49       | 40.67                   | -54.59                             | -13.00      | -41.59      |
| 10395.60        | V               | -                   | -                          | -79.88               | 19.80       | 46.92                   | -48.34                             | -13.00      | -35.34      |

**Table 7-63. Radiated Spurious Data (WCDMA AWS – Mid Channel) – Ant2**

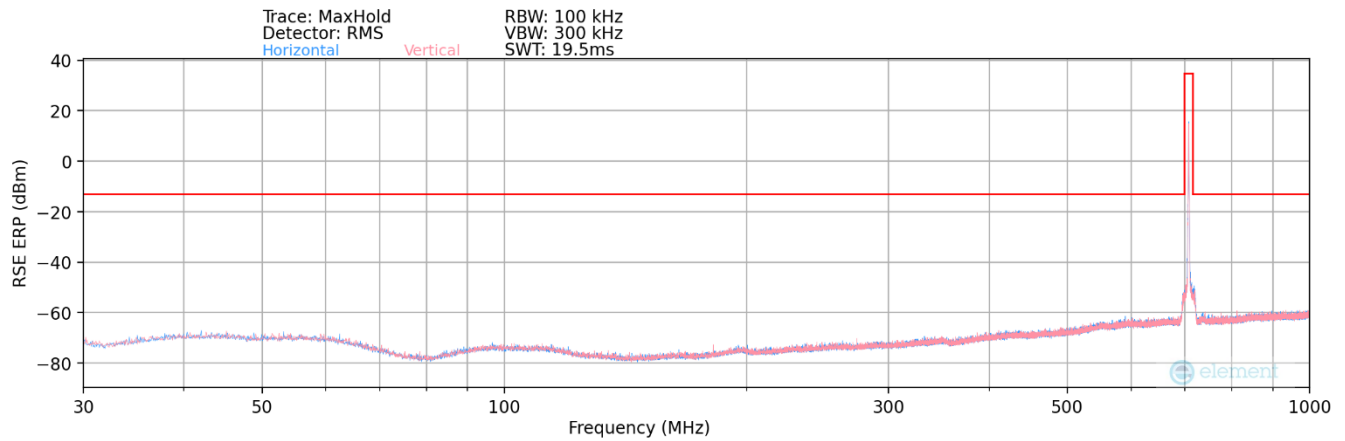
|                  |           |
|------------------|-----------|
| Mode:            | WCDMA RMC |
| Channel:         | 1513      |
| Frequency (MHz): | 1752.6    |

| 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               | 160                 | 296                        | -71.72               | 0.06        | 35.34                   | -59.92                             | -13.00      | -46.92      |
| 5257.80         | V               | 110                 | 305                        | -57.84               | 10.26       | 59.42                   | -35.84                             | -13.00      | -22.84      |
| 7010.40         | V               | -                   | -                          | -77.15               | 7.93        | 37.78                   | -57.48                             | -13.00      | -44.48      |
| 8763.00         | V               | -                   | -                          | -77.66               | 11.00       | 40.34                   | -54.92                             | -13.00      | -41.92      |
| 10515.60        | V               | -                   | -                          | -79.60               | 19.93       | 47.33                   | -47.92                             | -13.00      | -34.92      |

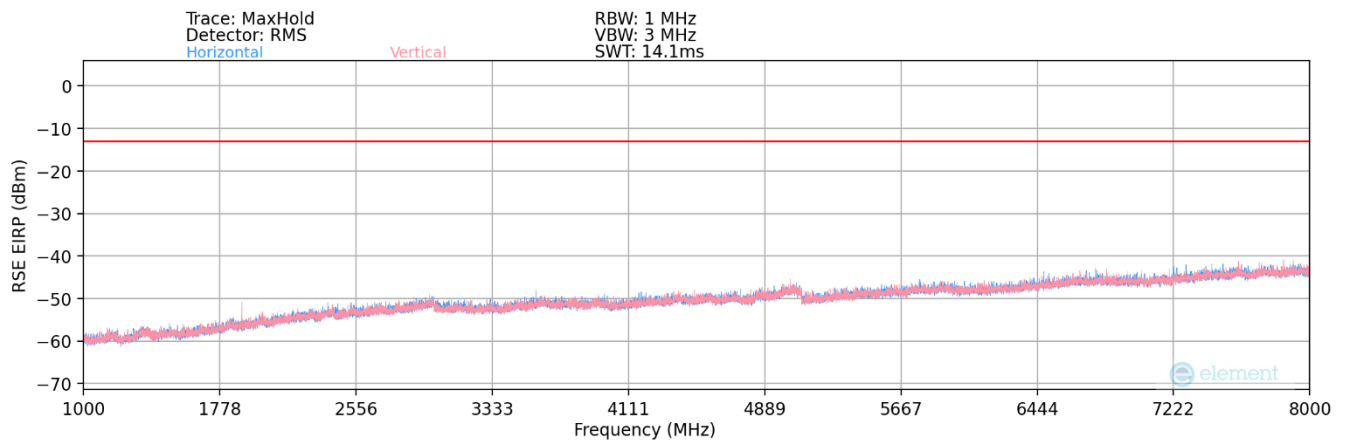
**Table 7-64. Radiated Spurious Data (WCDMA AWS – High Channel) – Ant2**

|                                         |                                     |                               |                                   |
|-----------------------------------------|-------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS942B                      | PART 27 MEASUREMENT REPORT          |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270084-08.A3L | Test Dates:<br>9/3/2025 - 10/3/2025 | EUT Type:<br>Portable Handset | Page 204 of 222                   |

## LTE Band 12 – Ant2



**Plot 7-251. Radiated Spurious Plot (LTE Band 12) – Ant2**



**Plot 7-252. Radiated Spurious Plot (LTE Band 12) – Ant2**

|                  |       |
|------------------|-------|
| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|-----------------------------------|-------------|-------------|
| 5.00            | H               | 271                 | 175                        | -67.14               | -13.80      | 26.06                   | -71.35                            | -13.00      | -58.35      |
| 17.00           | H               | 386                 | 325                        | -68.52               | -13.92      | 24.56                   | -72.84                            | -13.00      | -59.84      |

**Table 7-65. Radiated Spurious Data (LTE Band 12 – Mid Channel) – Ant2**

|                                         |                                     |                               |  |  |                                   |  |
|-----------------------------------------|-------------------------------------|-------------------------------|--|--|-----------------------------------|--|
| FCC ID: A3LSMS942B                      | PART 27 MEASUREMENT REPORT          |                               |  |  | Approved by:<br>Technical Manager |  |
| Test Report S/N:<br>1M2508270084-08.A3L | Test Dates:<br>9/3/2025 - 10/3/2025 | EUT Type:<br>Portable Handset |  |  | Page 205 of 222                   |  |

|                  |        |
|------------------|--------|
| 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               | 105                 | 75                         | -74.54               | -1.56       | 30.90                   | -64.36                             | -13.00      | -51.36      |
| 2112.00         | H               | -                   | -                          | -78.32               | 2.81        | 31.49                   | -63.76                             | -13.00      | -50.76      |
| 2816.00         | H               | -                   | -                          | -78.69               | 5.10        | 33.41                   | -61.85                             | -13.00      | -48.85      |
| 3520.00         | H               | -                   | -                          | -79.38               | 6.92        | 34.54                   | -60.71                             | -13.00      | -47.71      |

**Table 7-66. Radiated Spurious Data (LTE Band 12 – Low Channel) – Ant2**

|                  |        |
|------------------|--------|
| 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               | -                   | -                          | -76.35               | -1.55       | 29.10                   | -66.16                             | -13.00      | -53.16      |
| 2122.50         | H               | -                   | -                          | -78.38               | 2.82        | 31.44                   | -63.82                             | -13.00      | -50.82      |
| 2830.00         | H               | -                   | -                          | -78.71               | 5.27        | 33.56                   | -61.70                             | -13.00      | -48.70      |

**Table 7-67. Radiated Spurious Data (LTE Band 12 – Mid Channel) – Ant2**

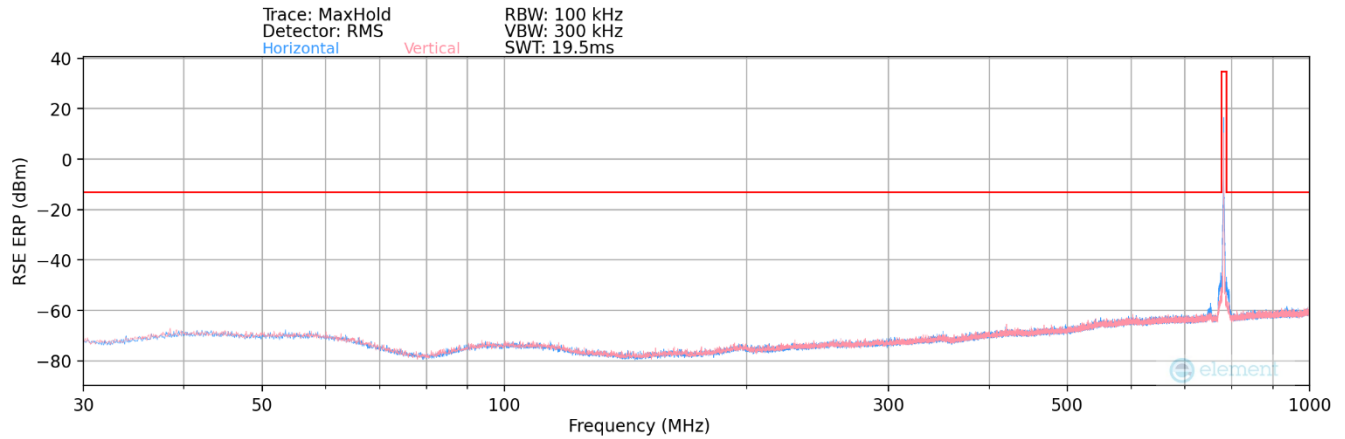
|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 10     |
| Frequency (MHz): | 711    |
| RB / Offset:     | 1 / 25 |

| 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               | 386                 | 62                         | -75.74               | -1.38       | 29.88                   | -65.37                             | -13.00      | -52.37      |
| 2133.00         | H               | -                   | -                          | -78.12               | 2.74        | 31.62                   | -63.63                             | -13.00      | -50.63      |
| 2844.00         | H               | -                   | -                          | -78.52               | 5.09        | 33.57                   | -61.68                             | -13.00      | -48.68      |
| 3555.00         | H               | -                   | -                          | -78.97               | 6.92        | 34.95                   | -60.31                             | -13.00      | -47.31      |

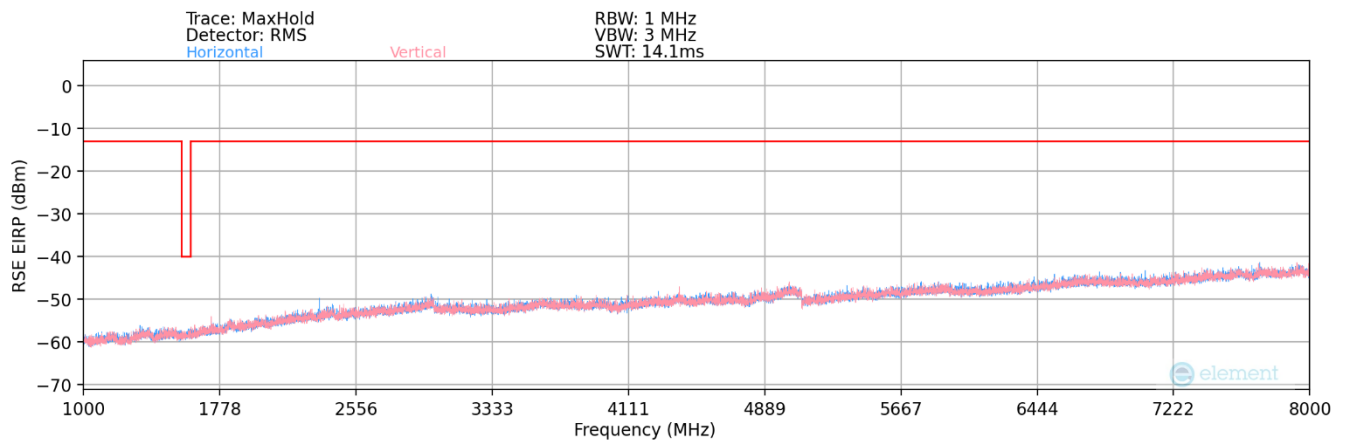
**Table 7-68. Radiated Spurious Data (LTE Band 12 – High Channel) – Ant2**

|                                         |                                     |                               |                                   |
|-----------------------------------------|-------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS942B                      | PART 27 MEASUREMENT REPORT          |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270084-08.A3L | Test Dates:<br>9/3/2025 - 10/3/2025 | EUT Type:<br>Portable Handset | Page 206 of 222                   |

## LTE Band 13 – Ant2



Plot 7-253. Radiated Spurious Plot (LTE Band 13) – Ant2



Plot 7-254. Radiated Spurious Plot (LTE Band 13) – Ant2

|                  |      |
|------------------|------|
| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|-----------------------------------|-------------|-------------|
| 125.00          | H               | -                   | -                          | -69.94               | -15.89      | 21.17                   | -76.24                            | -13.00      | -63.24      |

Table 7-69. Radiated Spurious Data (LTE Band 13 – Mid Channel) – Ant2

|                                         |                                     |                               |  |                                   |
|-----------------------------------------|-------------------------------------|-------------------------------|--|-----------------------------------|
| FCC ID: A3LSMS942B                      | PART 27 MEASUREMENT REPORT          |                               |  | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270084-08.A3L | Test Dates:<br>9/3/2025 - 10/3/2025 | EUT Type:<br>Portable Handset |  | Page 207 of 222                   |

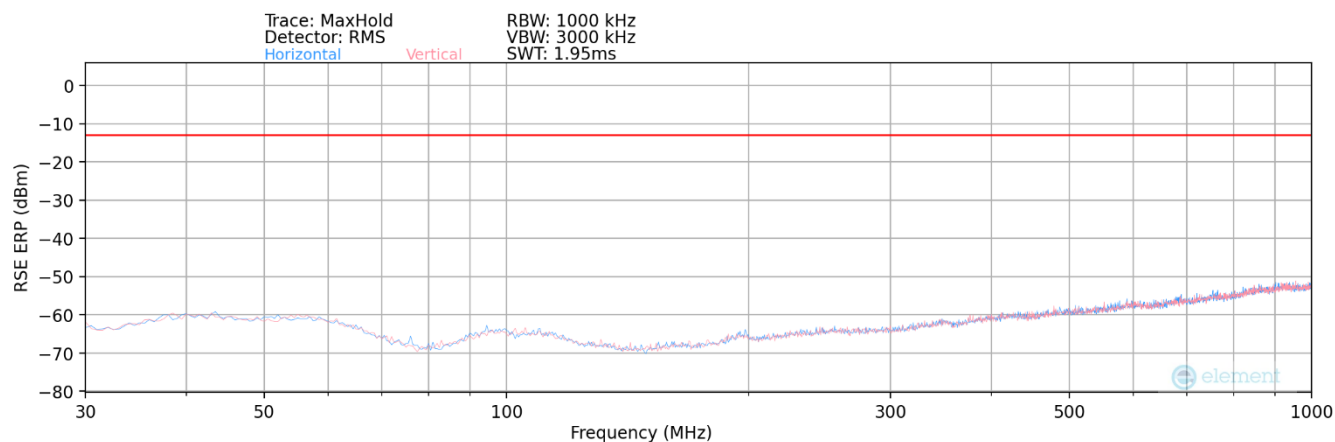
|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 10     |
| Frequency (MHz): | 782    |
| RB / Offset:     | 1 / 25 |

| 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               | 196                 | 335                        | -73.78               | -0.86       | 32.36                   | -62.90                             | -40.00      | -22.90      |
| 2346.00         | H               | -                   | -                          | -78.21               | 3.37        | 32.16                   | -63.10                             | -13.00      | -50.10      |
| 3128.00         | H               | -                   | -                          | -78.67               | 6.17        | 34.50                   | -60.76                             | -13.00      | -47.76      |
| 3910.00         | H               | -                   | -                          | -79.92               | 8.26        | 35.34                   | -59.92                             | -13.00      | -46.92      |

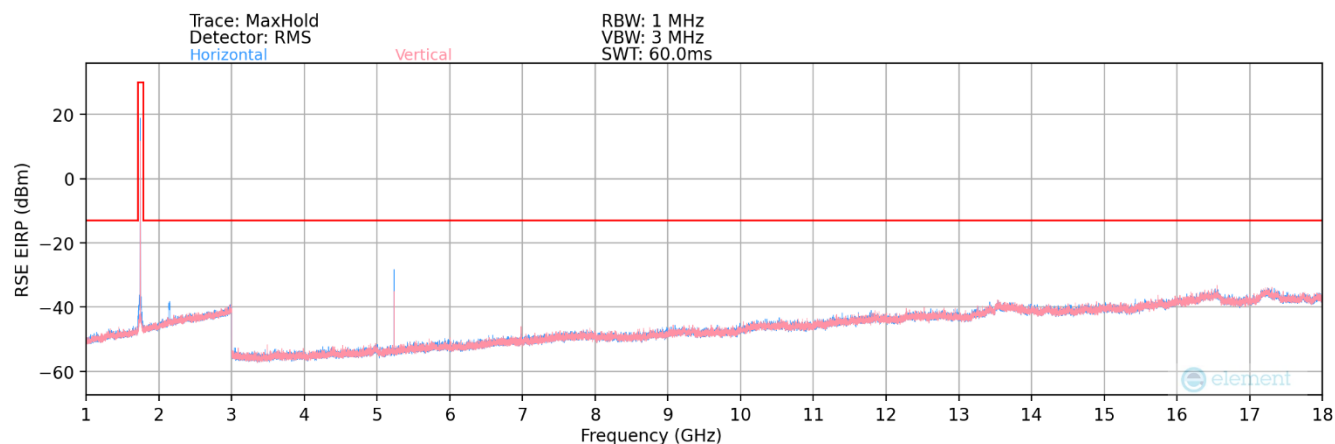
**Table 7-70. Radiated Spurious Data (LTE Band 13) – Ant2**

|                                         |                                     |                               |                                   |
|-----------------------------------------|-------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS942B                      | PART 27 MEASUREMENT REPORT          |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270084-08.A3L | Test Dates:<br>9/3/2025 - 10/3/2025 | EUT Type:<br>Portable Handset | Page 208 of 222                   |

## LTE Band 66/4 – Ant2



**Plot 7-255. Radiated Spurious Plot (LTE Band 66/4) – Ant2**



**Plot 7-256. Radiated Spurious Plot (LTE Band 66/4) – Ant2**

|                  |      |
|------------------|------|
| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|-----------------------------------|-------------|-------------|
| 76.50           | H               | -                   | -                          | -67.45               | -18.02      | 21.53                   | -75.88                            | -13.00      | -62.88      |

**Table 7-71. Radiated Spurious Data (LTE Band 66/4) – Ant2**

|                                         |                                     |                               |  |  |                                   |  |
|-----------------------------------------|-------------------------------------|-------------------------------|--|--|-----------------------------------|--|
| FCC ID: A3LSMS942B                      | PART 27 MEASUREMENT REPORT          |                               |  |  | Approved by:<br>Technical Manager |  |
| Test Report S/N:<br>1M2508270084-08.A3L | Test Dates:<br>9/3/2025 - 10/3/2025 | EUT Type:<br>Portable Handset |  |  | Page 209 of 222                   |  |

|                  |        |
|------------------|--------|
| 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         | H               | 126                 | 81                         | -70.32               | 7.19        | 43.87                   | -51.39                             | -13.00      | -38.39      |
| 5160.00         | H               | 124                 | 302                        | -52.32               | 10.61       | 65.29                   | -29.96                             | -13.00      | -16.96      |
| 6880.00         | H               | 262                 | 300                        | -74.32               | 13.84       | 46.52                   | -48.73                             | -13.00      | -35.73      |
| 8600.00         | H               | -                   | -                          | -79.88               | 16.52       | 43.64                   | -51.62                             | -13.00      | -38.62      |
| 10320.00        | H               | -                   | -                          | -80.07               | 19.31       | 46.24                   | -49.02                             | -13.00      | -36.02      |
| 12040.00        | H               | -                   | -                          | -80.91               | 22.24       | 48.33                   | -46.93                             | -13.00      | -33.93      |

**Table 7-72. Radiated Spurious Data (LTE Band 66/4 – Low Channel) – Ant2**

|                  |        |
|------------------|--------|
| 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         | H               | 117                 | 245                        | -76.35               | 7.15        | 37.80                   | -57.46                             | -13.00      | -44.46      |
| 5235.00         | H               | 114                 | 305                        | -56.58               | 10.18       | 60.60                   | -34.66                             | -13.00      | -21.66      |
| 6980.00         | H               | 243                 | 306                        | -80.39               | 13.95       | 40.56                   | -54.70                             | -13.00      | -41.70      |
| 8725.00         | H               | -                   | -                          | -81.90               | 16.42       | 41.52                   | -53.74                             | -13.00      | -40.74      |
| 10470.00        | H               | -                   | -                          | -82.90               | 19.38       | 43.48                   | -51.78                             | -13.00      | -38.78      |
| 12215.00        | H               | -                   | -                          | -83.59               | 22.54       | 45.95                   | -49.30                             | -13.00      | -36.30      |

**Table 7-73. Radiated Spurious Data (LTE Band 66/4 – Mid Channel) – Ant2**

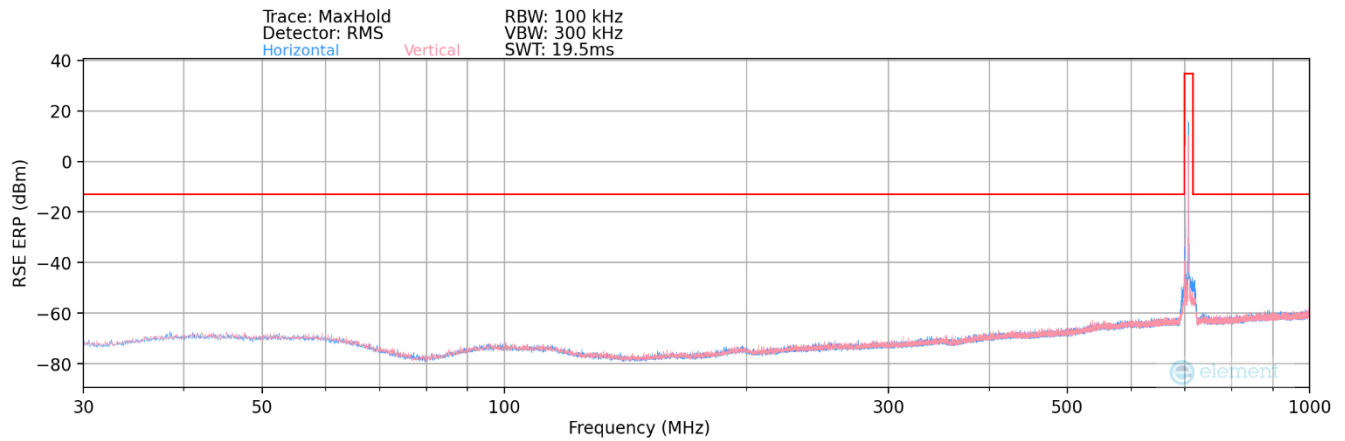
|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 1770   |
| RB / Offset:     | 1 / 50 |

| 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         | H               | 361                 | 243                        | -66.21               | 7.29        | 48.08                   | -47.18                             | -13.00      | -34.18      |
| 5310.00         | H               | 310                 | 311                        | -55.47               | 10.59       | 62.12                   | -33.14                             | -13.00      | -20.14      |
| 7080.00         | H               | 280                 | 298                        | -76.94               | 14.14       | 44.20                   | -51.06                             | -13.00      | -38.06      |
| 8850.00         | H               | -                   | -                          | -79.60               | 16.75       | 44.15                   | -51.11                             | -13.00      | -38.11      |
| 10620.00        | H               | -                   | -                          | -80.71               | 19.88       | 46.17                   | -49.09                             | -13.00      | -36.09      |
| 12390.00        | H               | -                   | -                          | -80.59               | 22.75       | 49.16                   | -46.10                             | -13.00      | -33.10      |

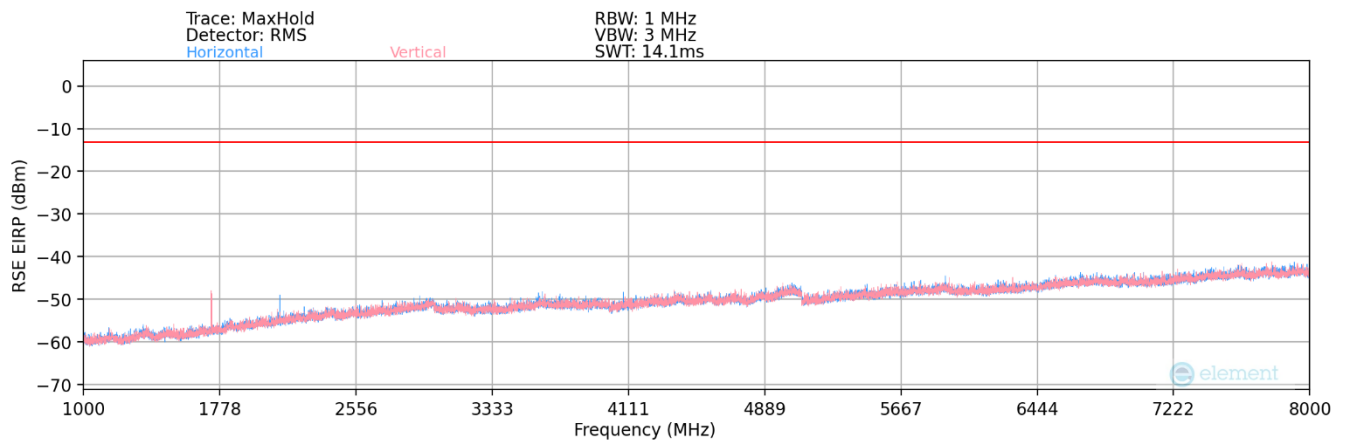
**Table 7-74. Radiated Spurious Data (LTE Band 66/4 – High Channel) – Ant2**

|                                         |                                     |                               |                                   |
|-----------------------------------------|-------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS942B                      | PART 27 MEASUREMENT REPORT          |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270084-08.A3L | Test Dates:<br>9/3/2025 - 10/3/2025 | EUT Type:<br>Portable Handset | Page 210 of 222                   |

## NR Band n12 – Ant2



**Plot 7-257. Radiated Spurious Plot (NR Band n12) – Ant2**



**Plot 7-258. Radiated Spurious Plot (NR Band n12) – Ant2**

|                  |       |
|------------------|-------|
| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|-----------------------------------|-------------|-------------|
| 365.00          | V               | -                   | -                          | -74.50               | -9.90       | 22.60                   | -74.81                            | -13.00      | -61.81      |

**Table 7-75. Radiated Spurious Data (NR Band n12) – Ant2**

|                                         |                                     |                               |  |  |                                   |  |
|-----------------------------------------|-------------------------------------|-------------------------------|--|--|-----------------------------------|--|
| FCC ID: A3LSMS942B                      | PART 27 MEASUREMENT REPORT          |                               |  |  | Approved by:<br>Technical Manager |  |
| Test Report S/N:<br>1M2508270084-08.A3L | Test Dates:<br>9/3/2025 - 10/3/2025 | EUT Type:<br>Portable Handset |  |  | Page 211 of 222                   |  |

|                  |        |
|------------------|--------|
| 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         | V               | -                   | -                          | -77.15               | -1.59       | 28.26                   | -67.00                             | -13.00      | -54.00      |
| 2119.50         | V               | -                   | -                          | -78.36               | 2.84        | 31.48                   | -63.78                             | -13.00      | -50.78      |
| 2826.00         | V               | -                   | -                          | -78.93               | 5.22        | 33.29                   | -61.97                             | -13.00      | -48.97      |

**Table 7-76. Radiated Spurious Data (NR Band n12 – Low Channel) – Ant2**

|                  |        |
|------------------|--------|
| 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         | V               | -                   | -                          | -76.39               | -1.55       | 29.06                   | -66.20                             | -13.00      | -53.20      |
| 2122.50         | V               | -                   | -                          | -78.17               | 2.82        | 31.65                   | -63.61                             | -13.00      | -50.61      |
| 2830.00         | V               | -                   | -                          | -78.96               | 5.27        | 33.31                   | -61.95                             | -13.00      | -48.95      |

**Table 7-77. Radiated Spurious Data (NR Band n12 – Mid Channel) – Ant2**

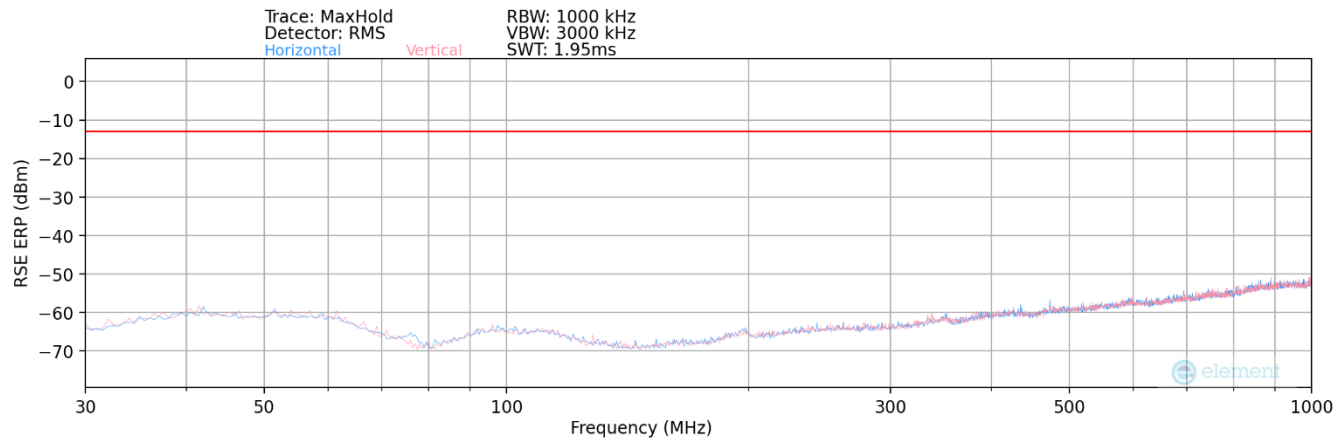
|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 15     |
| Frequency (MHz): | 708.5  |
| RB / Offset:     | 1 / 37 |

| 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         | V               | -                   | -                          | -77.27               | -1.50       | 28.23                   | -67.03                             | -13.00      | -54.03      |
| 2125.50         | V               | -                   | -                          | -78.48               | 2.80        | 31.32                   | -63.94                             | -13.00      | -50.94      |
| 2834.00         | V               | -                   | -                          | -79.06               | 5.30        | 33.24                   | -62.02                             | -13.00      | -49.02      |

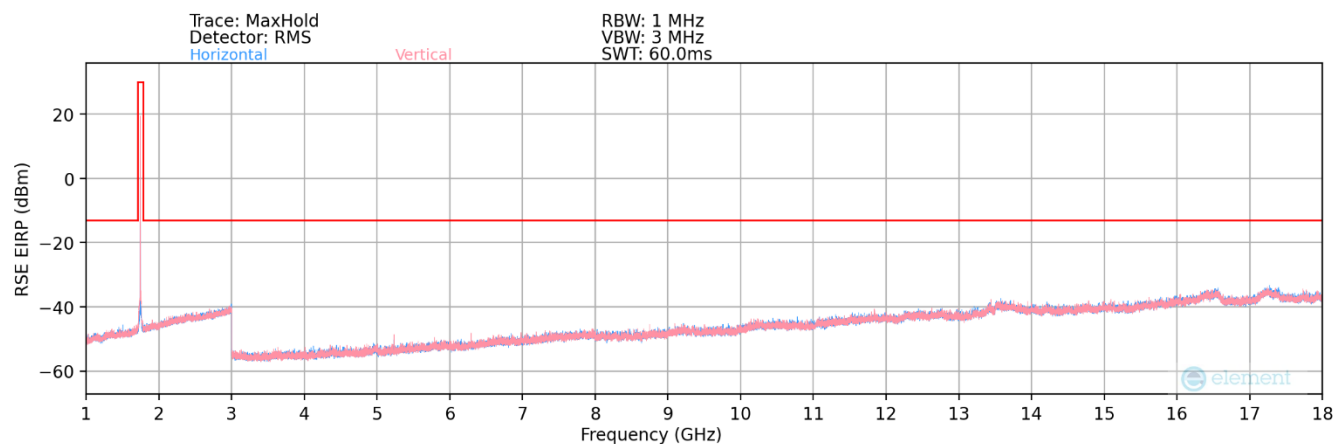
**Table 7-78. Radiated Spurious Data (NR Band n12 – High Channel) – Ant2**

|                                         |                                     |                               |                                   |
|-----------------------------------------|-------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS942B                      | PART 27 MEASUREMENT REPORT          |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2508270084-08.A3L | Test Dates:<br>9/3/2025 - 10/3/2025 | EUT Type:<br>Portable Handset | Page 212 of 222                   |

## NR Band n66 – Ant2



**Plot 7-259. Radiated Spurious Plot (NR Band n66) – Ant2**



**Plot 7-260. Radiated Spurious Plot (NR Band n66) – Ant2**

|                  |       |
|------------------|-------|
| Bandwidth (MHz): | 40    |
| Frequency (MHz): | 1745  |
| RB/Offset:       | 1/108 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | ERP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|-----------------------------------|-------------|-------------|
| .90.00          | V               | -                   | -                          | -76.46               | -6.67       | 23.87                   | -73.54                            | -13.00      | -60.54      |

**Table 7-79. Radiated Spurious Data (NR Band n66) – Ant2**

|                                         |                                     |                               |  |  |                                   |  |
|-----------------------------------------|-------------------------------------|-------------------------------|--|--|-----------------------------------|--|
| FCC ID: A3LSMS942B                      | PART 27 MEASUREMENT REPORT          |                               |  |  | Approved by:<br>Technical Manager |  |
| Test Report S/N:<br>1M2508270084-08.A3L | Test Dates:<br>9/3/2025 - 10/3/2025 | EUT Type:<br>Portable Handset |  |  | Page 213 of 222                   |  |

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 40      |
| Frequency (MHz): | 1730    |
| RB / Offset:     | 1 / 108 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 3460.00         | V               | -                   | -                          | -79.58               | 7.03        | 34.45                   | -60.81                             | -13.00      | -47.81      |
| 5190.00         | V               | -                   | -                          | -77.11               | 10.33       | 40.22                   | -55.04                             | -13.00      | -42.04      |
| 6920.00         | V               | -                   | -                          | -83.39               | 13.65       | 37.26                   | -57.99                             | -13.00      | -44.99      |

**Table 7-80. Radiated Spurious Data (NR Band n66 – Low Channel) – Ant2**

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 40      |
| Frequency (MHz): | 1745    |
| RB / Offset:     | 1 / 108 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 3490.00         | V               | 393                 | 190                        | -74.20               | 7.15        | 39.95                   | -55.31                             | -13.00      | -42.31      |
| 5235.00         | V               | -                   | -                          | -77.88               | 10.18       | 39.30                   | -55.96                             | -13.00      | -42.96      |
| 6980.00         | V               | -                   | -                          | -78.97               | 13.95       | 41.98                   | -53.28                             | -13.00      | -40.28      |
| 8725.00         | V               | -                   | -                          | -83.99               | 16.42       | 39.43                   | -55.83                             | -13.00      | -42.83      |

**Table 7-81. Radiated Spurious Data (NR Band n66 – Mid Channel) – Ant2**

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 40      |
| Frequency (MHz): | 1760    |
| RB / Offset:     | 1 / 108 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 3520.00         | V               | -                   | -                          | -78.01               | 7.14        | 36.13                   | -59.12                             | -13.00      | -46.12      |
| 5280.00         | V               | -                   | -                          | -79.88               | 10.27       | 37.39                   | -57.87                             | -13.00      | -44.87      |
| 7040.00         | V               | -                   | -                          | -83.45               | 15.14       | 38.69                   | -56.57                             | -13.00      | -43.57      |

**Table 7-82. Radiated Spurious Data (NR Band n66 – High Channel) – Ant2**

|                                         |                                     |                               |                                   |
|-----------------------------------------|-------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS942B                      | PART 27 MEASUREMENT REPORT          |                               | Approved by:<br>Technical Manager |
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## 7.9 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

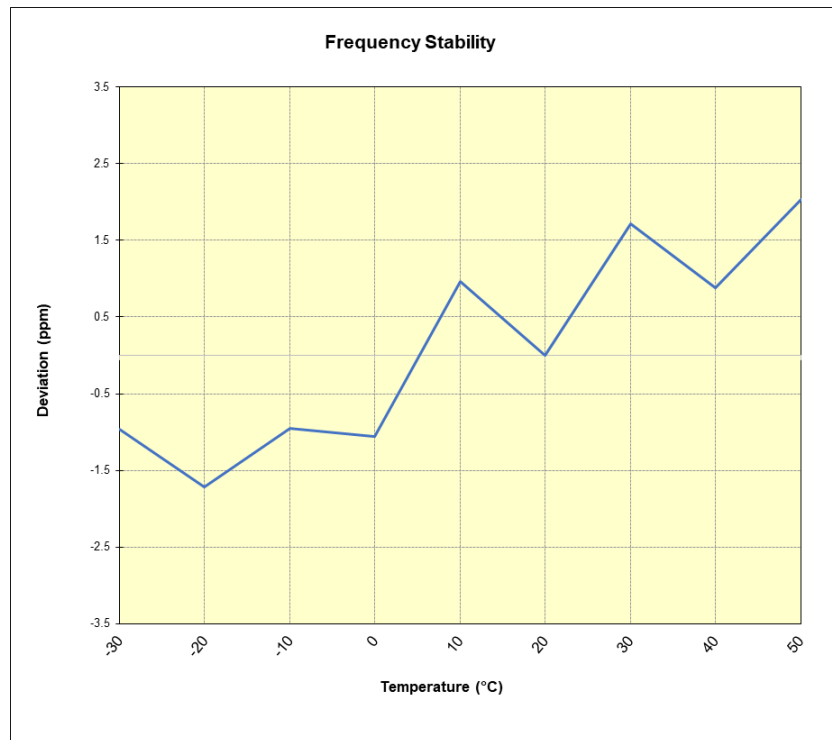
|                                         |                                     |                               |                                   |
|-----------------------------------------|-------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS942B                      | PART 27 MEASUREMENT REPORT          |                               | Approved by:<br>Technical Manager |
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## WCDMA AWS

|                           |                       |
|---------------------------|-----------------------|
| Operating Frequency (Hz): | 1,732,600,000         |
| Ref. Voltage (VDC):       | 4.435                 |
| Deviation Limit:          | ± 0.00025% or 2.5 ppm |

| Voltage (%)      | Power (VDC) | Temp (°C)  | Frequency (Hz) | Freq. Dev. (Hz) | Deviation (%) |
|------------------|-------------|------------|----------------|-----------------|---------------|
| 100 %            | 4.435       | - 30       | 1,732,602,620  | -1,674          | -0.0000966    |
|                  |             | - 20       | 1,732,601,328  | -2,966          | -0.0001712    |
|                  |             | - 10       | 1,732,602,638  | -1,656          | -0.0000956    |
|                  |             | 0          | 1,732,602,450  | -1,844          | -0.0001064    |
|                  |             | + 10       | 1,732,605,970  | 1,676           | 0.0000967     |
|                  |             | + 20 (Ref) | 1,732,604,294  | 0               | 0.0000000     |
|                  |             | + 30       | 1,732,607,260  | 2,966           | 0.0001712     |
|                  |             | + 40       | 1,732,605,830  | 1,536           | 0.0000887     |
|                  |             | + 50       | 1,732,607,824  | 3,530           | 0.0002037     |
| Battery Endpoint | 3.297       | + 20       | 1,732,603,581  | -713            | -0.0000412    |

Table 7-83. WCDMA AWS Frequency Stability Data



Plot 7-261. WCDMA AWS Frequency Stability Chart

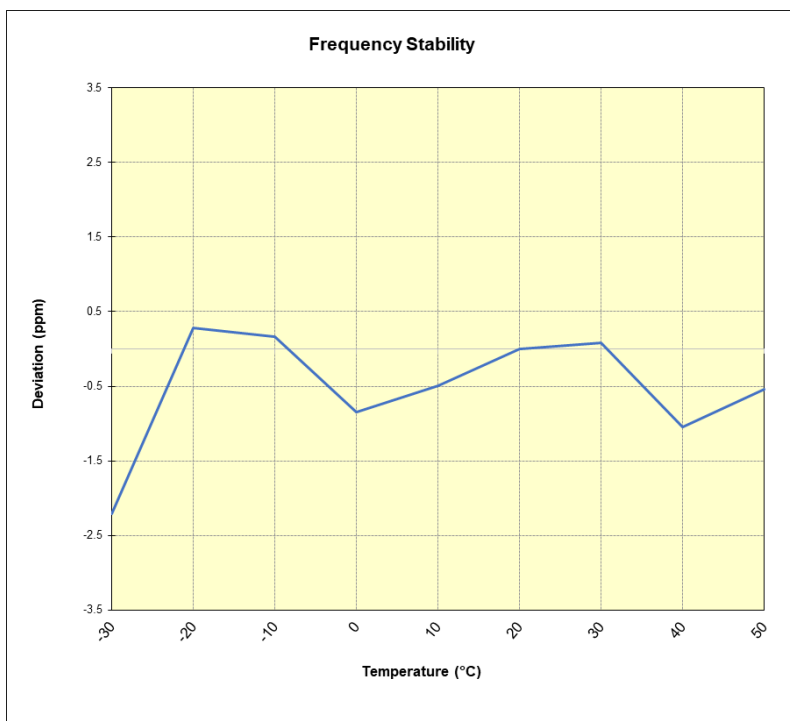
|                                         |                                     |                               |                                   |
|-----------------------------------------|-------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS942B                      | PART 27 MEASUREMENT REPORT          |                               | Approved by:<br>Technical Manager |
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## LTE Band 12/17

|                           |                       |
|---------------------------|-----------------------|
| Operating Frequency (Hz): | 707,500,000           |
| Ref. Voltage (VDC):       | 4.435                 |
| Deviation Limit:          | ± 0.00025% or 2.5 ppm |

| Voltage (%)      | Power (VDC) | Temp (°C)  | Frequency (Hz) | Freq. Dev. (Hz) | Deviation (%) |
|------------------|-------------|------------|----------------|-----------------|---------------|
| 100 %            | 4.435       | - 30       | 707,511,288    | -1,566          | -0.0002213    |
|                  |             | - 20       | 707,513,053    | 199             | 0.0000281     |
|                  |             | - 10       | 707,512,967    | 113             | 0.0000160     |
|                  |             | 0          | 707,512,255    | -599            | -0.0000847    |
|                  |             | + 10       | 707,512,503    | -351            | -0.0000496    |
|                  |             | + 20 (Ref) | 707,512,854    | 0               | 0.0000000     |
|                  |             | + 30       | 707,512,915    | 61              | 0.0000086     |
|                  |             | + 40       | 707,512,111    | -743            | -0.0001050    |
|                  |             | + 50       | 707,512,472    | -382            | -0.0000540    |
| Battery Endpoint | 3.297       | + 20       | 707,511,476    | -1,378          | -0.0001948    |

Table 7-84. LTE Band 12 Frequency Stability Data



Plot 7-262. LTE Band 12 Frequency Stability Chart

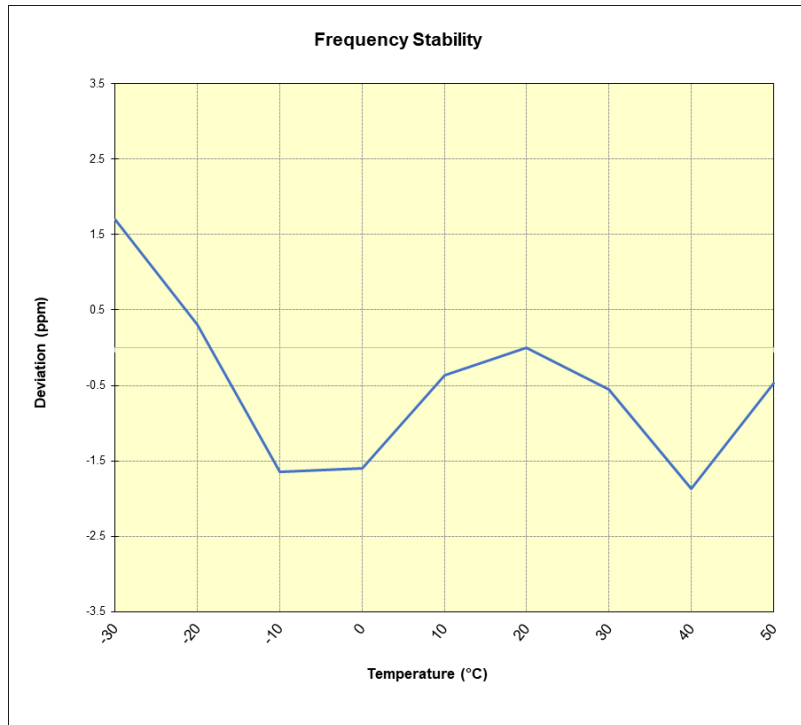
|                                         |                                     |                               |                                   |
|-----------------------------------------|-------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS942B                      | PART 27 MEASUREMENT REPORT          |                               | Approved by:<br>Technical Manager |
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## LTE Band 13

|                           |                       |
|---------------------------|-----------------------|
| Operating Frequency (Hz): | 782,000,000           |
| Ref. Voltage (VDC):       | 4.435                 |
| Deviation Limit:          | ± 0.00025% or 2.5 ppm |

| Voltage (%)      | Power (VDC) | Temp (°C)  | Frequency (Hz) | Freq. Dev. (Hz) | Deviation (%) |
|------------------|-------------|------------|----------------|-----------------|---------------|
| 100 %            | 4.435       | - 30       | 782,134,316    | 1,335           | 0.0001707     |
|                  |             | - 20       | 782,133,219    | 238             | 0.0000304     |
|                  |             | - 10       | 782,131,691    | -1,290          | -0.0001649    |
|                  |             | 0          | 782,131,731    | -1,250          | -0.0001598    |
|                  |             | + 10       | 782,132,694    | -287            | -0.0000367    |
|                  |             | + 20 (Ref) | 782,132,981    | 0               | 0.0000000     |
|                  |             | + 30       | 782,132,553    | -428            | -0.0000547    |
|                  |             | + 40       | 782,131,514    | -1,467          | -0.0001876    |
|                  |             | + 50       | 782,132,610    | -371            | -0.0000474    |
| Battery Endpoint | 3.297       | + 20       | 782,131,427    | -1,554          | -0.0001987    |

Table 7-85. LTE Band 13 Frequency Stability Data



Plot 7-263. LTE Band 13 Frequency Stability Chart

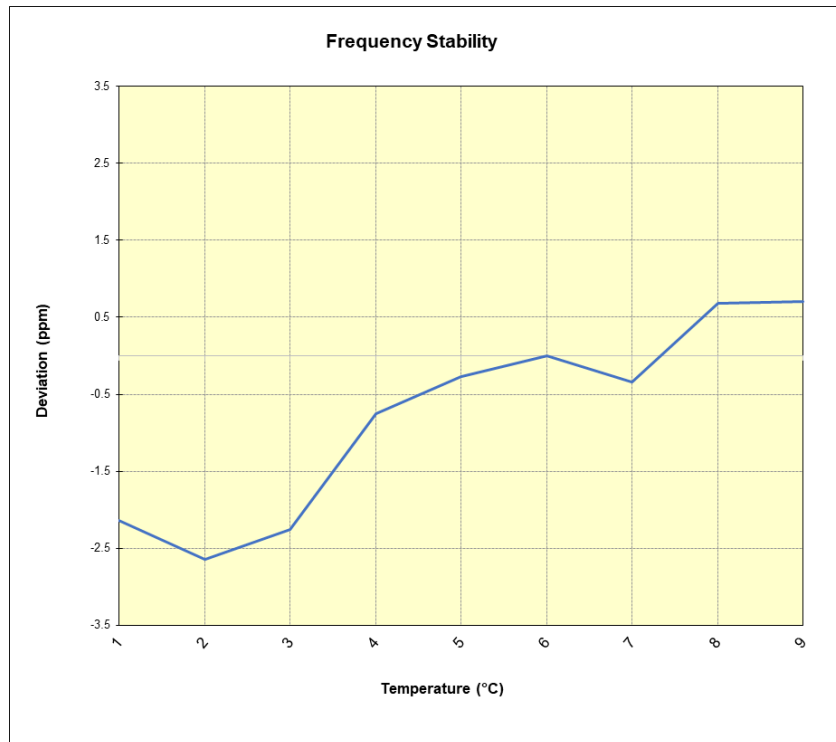
|                                         |                                     |                               |                                   |
|-----------------------------------------|-------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS942B                      | PART 27 MEASUREMENT REPORT          |                               | Approved by:<br>Technical Manager |
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## LTE Band 66/4

|                           |                       |
|---------------------------|-----------------------|
| Operating Frequency (Hz): | 1,745,000,000         |
| Ref. Voltage (VDC):       | 4.435                 |
| Deviation Limit:          | ± 0.00025% or 2.5 ppm |

| Voltage (%)      | Power (VDC) | Temp (°C)  | Frequency (Hz) | Freq. Dev. (Hz) | Deviation (%) |
|------------------|-------------|------------|----------------|-----------------|---------------|
| 100 %            | 4.435       | - 30       | 1,745,243,980  | -3,745          | -0.0002146    |
|                  |             | - 20       | 1,745,243,111  | -4,614          | -0.0002644    |
|                  |             | - 10       | 1,745,243,776  | -3,949          | -0.0002263    |
|                  |             | 0          | 1,745,246,415  | -1,310          | -0.0000751    |
|                  |             | + 10       | 1,745,247,258  | -467            | -0.0000268    |
|                  |             | + 20 (Ref) | 1,745,247,725  | 0               | 0.0000000     |
|                  |             | + 30       | 1,745,247,122  | -603            | -0.0000346    |
|                  |             | + 40       | 1,745,248,910  | 1,185           | 0.0000679     |
|                  |             | + 50       | 1,745,248,954  | 1,229           | 0.0000704     |
| Battery Endpoint | 3.297       | + 20       | 1,745,245,791  | -1,934          | -0.0001108    |

Table 7-86. LTE Band 66/4 Frequency Stability Data



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

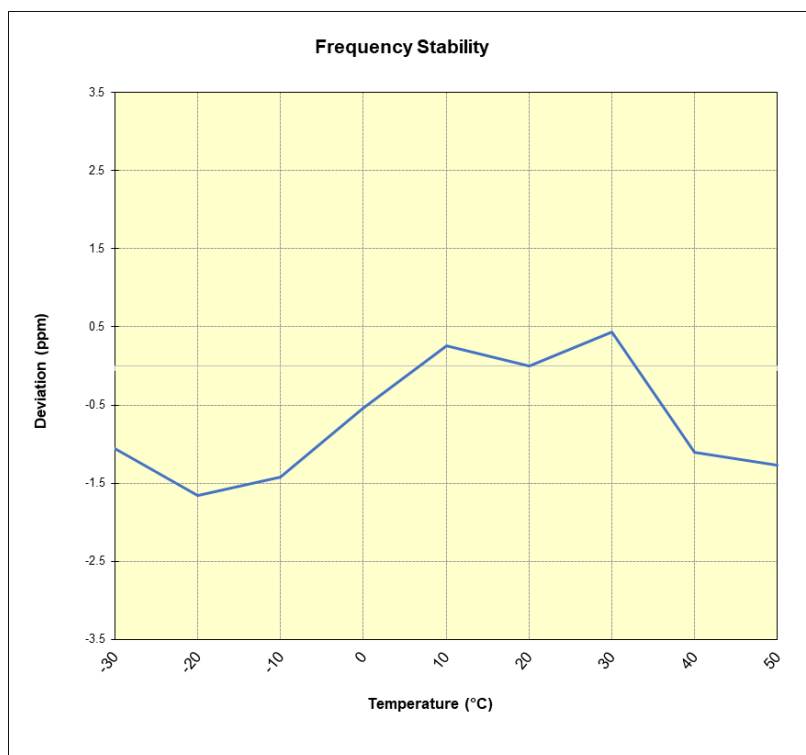
|                                         |                                     |                               |                                   |
|-----------------------------------------|-------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS942B                      | PART 27 MEASUREMENT REPORT          |                               | Approved by:<br>Technical Manager |
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## NR Band n12

|                           |                       |
|---------------------------|-----------------------|
| Operating Frequency (Hz): | 707,500,000           |
| Ref. Voltage (VDC):       | 4.435                 |
| Deviation Limit:          | ± 0.00025% or 2.5 ppm |

| Voltage (%)      | Power (VDC) | Temp (°C)  | Frequency (Hz) | Freq. Dev. (Hz) | Deviation (%) |
|------------------|-------------|------------|----------------|-----------------|---------------|
| 100 %            | 4.435       | - 30       | 707,473,577    | -746            | -0.0001054    |
|                  |             | - 20       | 707,473,147    | -1,176          | -0.0001662    |
|                  |             | - 10       | 707,473,314    | -1,009          | -0.0001426    |
|                  |             | 0          | 707,473,941    | -382            | -0.0000540    |
|                  |             | + 10       | 707,474,510    | 187             | 0.0000264     |
|                  |             | + 20 (Ref) | 707,474,323    | 0               | 0.0000000     |
|                  |             | + 30       | 707,474,632    | 309             | 0.0000437     |
|                  |             | + 40       | 707,473,540    | -783            | -0.0001107    |
|                  |             | + 50       | 707,473,422    | -901            | -0.0001274    |
| Battery Endpoint | 3.297       | + 20       | 707,473,195    | -1,128          | -0.0001594    |

Table 7-87. NR Band n12 Frequency Stability Data



Plot 7-265. NR Band n12 Frequency Stability Chart

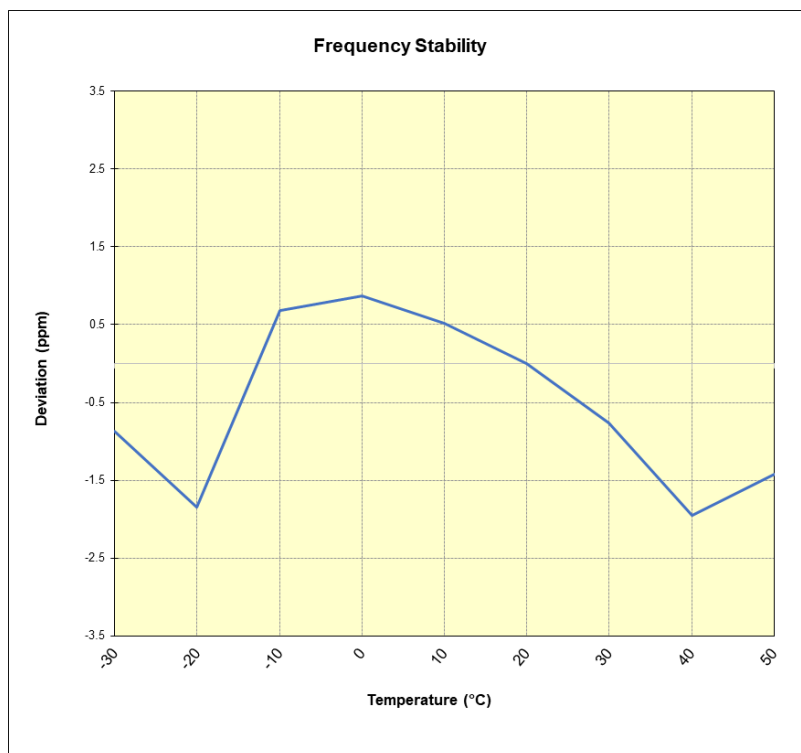
|                                         |                                     |                               |                                   |
|-----------------------------------------|-------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS942B                      | PART 27 MEASUREMENT REPORT          |                               | Approved by:<br>Technical Manager |
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## NR Band n66

|                           |                       |
|---------------------------|-----------------------|
| Operating Frequency (Hz): | 1,745,000,000         |
| Ref. Voltage (VDC):       | 4.435                 |
| Deviation Limit:          | ± 0.00025% or 2.5 ppm |

| Voltage (%)      | Power (VDC) | Temp (°C)  | Frequency (Hz) | Freq. Dev. (Hz) | Deviation (%) |
|------------------|-------------|------------|----------------|-----------------|---------------|
| 100 %            | 4.435       | - 30       | 174,503,900    | -151            | -0.0000865    |
|                  |             | - 20       | 174,503,728    | -323            | -0.0001851    |
|                  |             | - 10       | 174,504,170    | 119             | 0.0000682     |
|                  |             | 0          | 174,504,202    | 151             | 0.0000865     |
|                  |             | + 10       | 174,504,142    | 91              | 0.0000521     |
|                  |             | + 20 (Ref) | 174,504,051    | 0               | 0.0000000     |
|                  |             | + 30       | 174,503,917    | -134            | -0.0000768    |
|                  |             | + 40       | 174,503,710    | -341            | -0.0001954    |
|                  |             | + 50       | 174,503,802    | -249            | -0.0001427    |
| Battery Endpoint | 3.297       | + 20       | 174,503,641    | -410            | -0.0002350    |

Table 7-88. NR Band n66 Frequency Stability Data



Plot 7-266. NR Band n66 Frequency Stability Chart

|                                         |                                     |                               |                                   |
|-----------------------------------------|-------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS942B                      | PART 27 MEASUREMENT REPORT          |                               | Approved by:<br>Technical Manager |
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## 8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Samsung Portable Handset FCC ID: A3LSMS942B** complies with all the requirements of Part 27 of the FCC rules.

**- END OF TEST REPORT -**

|                                                |                                            |                                      |                                          |
|------------------------------------------------|--------------------------------------------|--------------------------------------|------------------------------------------|
| <b>FCC ID:</b> A3LSMS942B                      | <b>PART 27 MEASUREMENT REPORT</b>          |                                      | <b>Approved by:</b><br>Technical Manager |
| <b>Test Report S/N:</b><br>1M2508270084-08.A3L | <b>Test Dates:</b><br>9/3/2025 - 10/3/2025 | <b>EUT Type:</b><br>Portable Handset | Page 222 of 222                          |