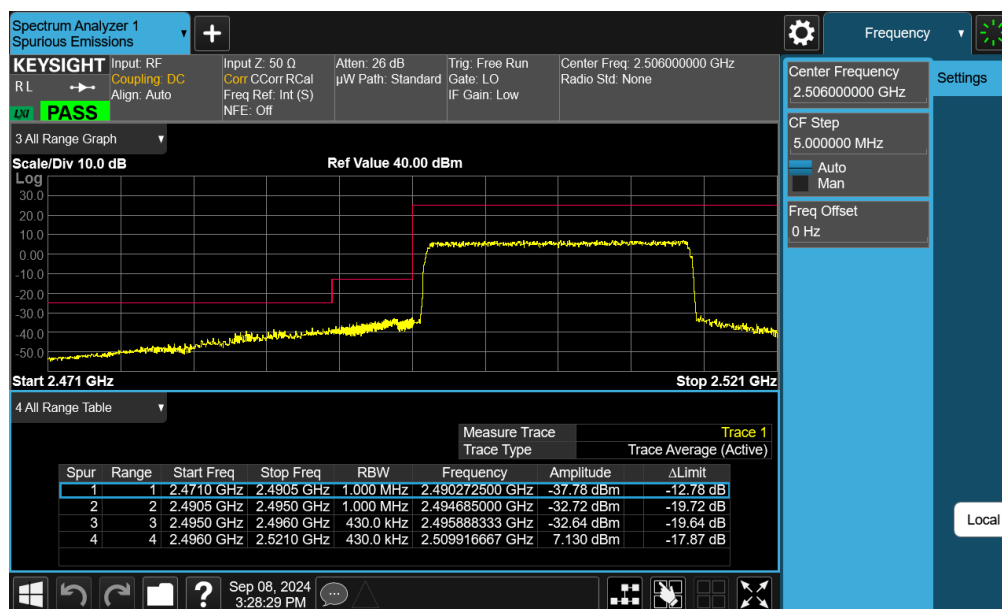


## LTE Band 41(PC2) – Ant B



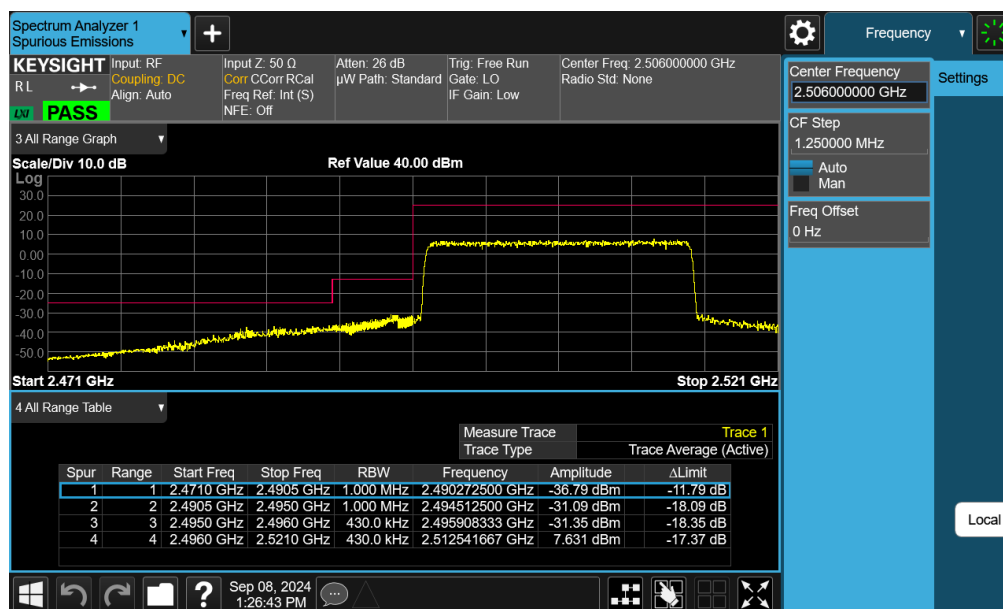
Plot 7-183. Lower ACP Plot (LTE Band 41(PC3) - 20MHz QPSK – Full RB - Ant B)



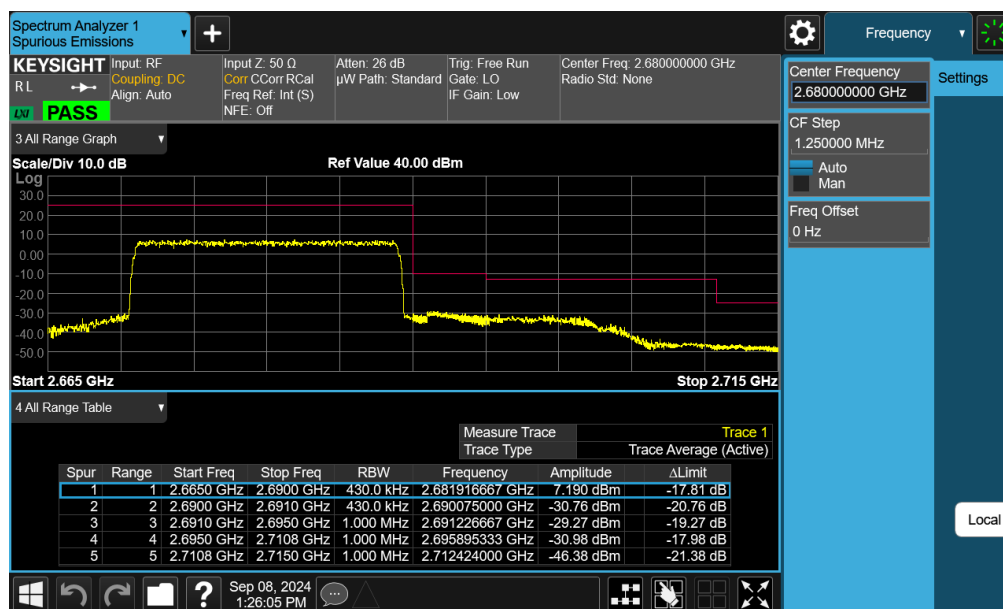
Plot 7-184. Upper ACP Plot (LTE Band 41(PC3) - 20MHz QPSK – Full RB - Ant B)

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 131 of 186                   |

## LTE Band 41(PC2) – Ant F



Plot 7-185. Lower ACP Plot (LTE Band 41(PC3) - 20MHz QPSK – Full RB - Ant F)



Plot 7-186. Upper ACP Plot (LTE Band 41(PC3) - 20MHz QPSK – Full RB - Ant F)

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 132 of 186                   |

| Mode       | Bandwidth | Channel | Test Case | Level [dBm] | Limit [dBm] | Margin [dB] |
|------------|-----------|---------|-----------|-------------|-------------|-------------|
| LTE-B41PC3 | 20MHz     | Low     | Band Edge | -30.95      | -25         | -5.95       |
|            |           | High    | Band Edge | -40.46      | -25         | -15.46      |
|            | 15MHz     | Low     | Band Edge | -29.20      | -25         | -4.20       |
|            |           | High    | Band Edge | -37.60      | -25         | -12.60      |
|            | 10MHz     | Low     | Band Edge | -32.49      | -25         | -7.49       |
|            |           | High    | Band Edge | -38.14      | -25         | -13.14      |
|            | 5MHz      | Low     | Band Edge | -22.89      | -13         | -9.89       |
|            |           | High    | Band Edge | -19.14      | -10         | -9.14       |

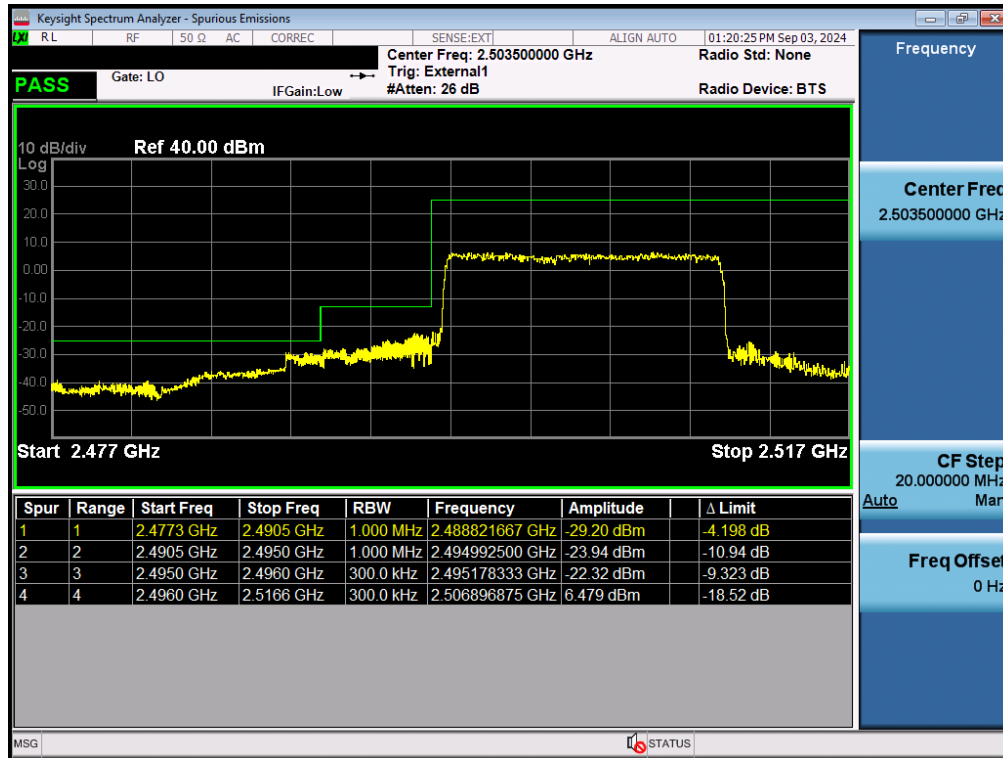
Table 7-28. Conducted Band Edge Test Results – LTE – Ant B

| Mode       | Bandwidth | Channel | Test Case | Level [dBm] | Limit [dBm] | Margin [dB] |
|------------|-----------|---------|-----------|-------------|-------------|-------------|
| LTE-B41PC3 | 20MHz     | Low     | Band Edge | -29.87      | -25         | -4.87       |
|            |           | High    | Band Edge | -24.26      | -10         | -14.26      |
|            | 15MHz     | Low     | Band Edge | -28.29      | -25         | -3.29       |
|            |           | High    | Band Edge | -20.52      | -10         | -10.52      |
|            | 10MHz     | Low     | Band Edge | -28.60      | -25         | -3.60       |
|            |           | High    | Band Edge | -22.10      | -10         | -12.10      |
|            | 5MHz      | Low     | Band Edge | -21.30      | -13         | -8.30       |
|            |           | High    | Band Edge | -19.92      | -10         | -9.92       |

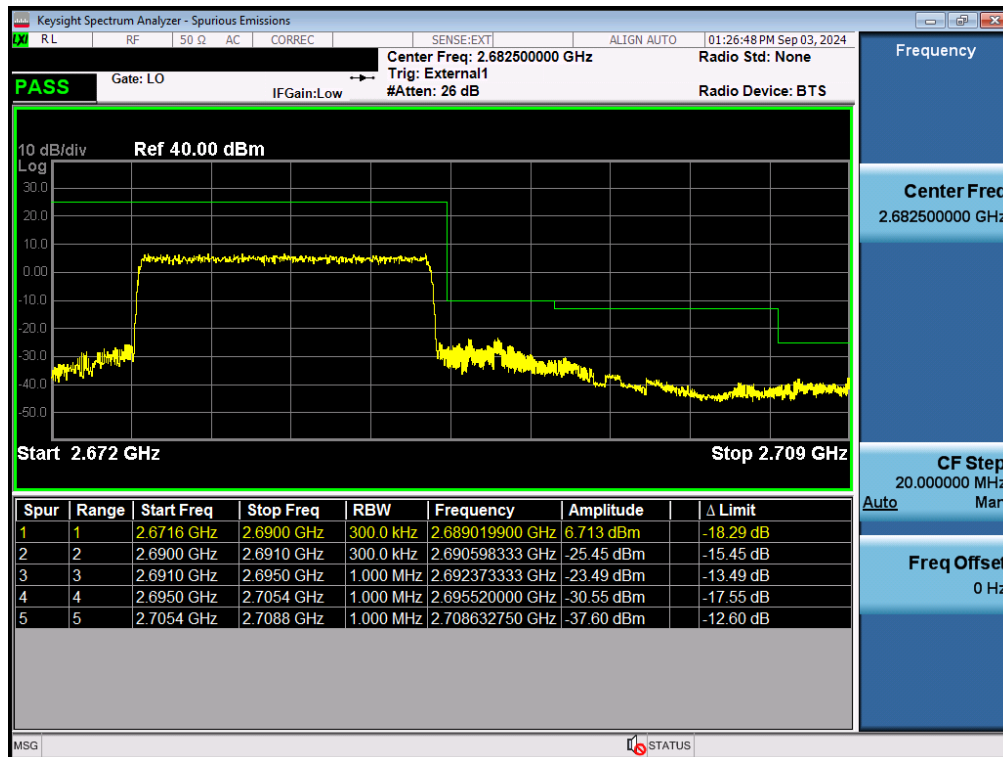
Table 7-29. Conducted Band Edge Test Results – LTE – Ant F

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 133 of 186                   |

## LTE Band 41(PC3) – Ant B



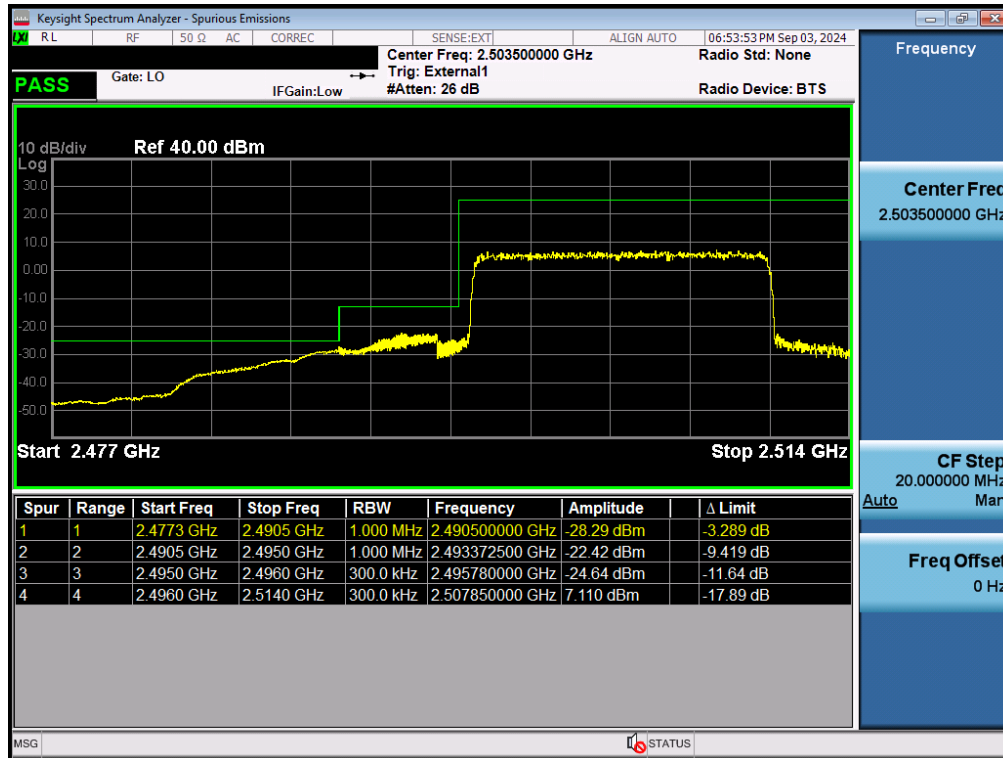
Plot 7-187. Lower ACP Plot (LTE Band 41(PC3) - 15MHz QPSK - Full RB - Ant B)



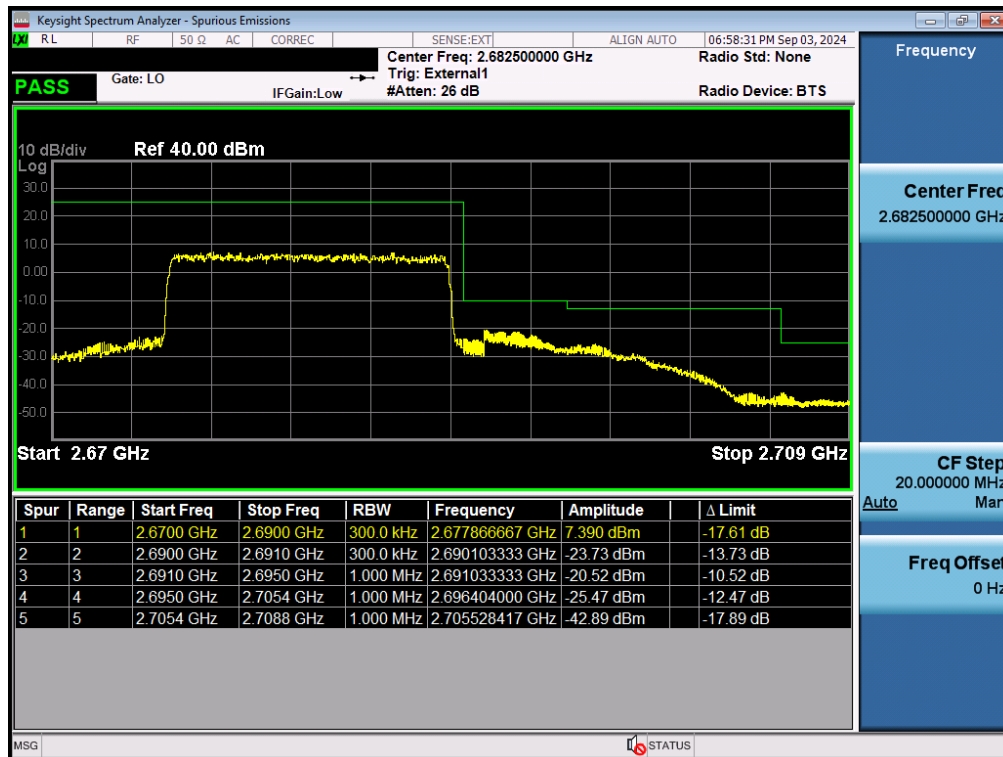
Plot 7-188. Upper ACP Plot (LTE Band 41(PC3) - 15MHz QPSK - Full RB - Ant B)

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 134 of 186                   |

## LTE Band 41(PC3) – Ant F



Plot 7-189. Lower ACP Plot (LTE Band 41(PC3) - 15MHz QPSK – Full RB - Ant F)



Plot 7-190. Upper ACP Plot (LTE Band 41(PC3) - 15MHz QPSK – Full RB - Ant F)

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 135 of 186                   |

| Mode      | Bandwidth | Channel | Test Case | Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------|-----------|---------|-----------|-------------|-------------|-------------|
| NR-n41PC2 | 100MHz    | Low     | Band Edge | -29.50      | -25         | -4.50       |
|           |           | High    | Band Edge | -26.09      | -10         | -16.09      |
|           | 90MHz     | Low     | Band Edge | -29.89      | -25         | -12.84      |
|           |           | High    | Band Edge | -27.37      | -10         | -20.28      |
|           | 80MHz     | Low     | Band Edge | -29.18      | -25         | -4.18       |
|           |           | High    | Band Edge | -26.57      | -10         | -16.57      |
|           | 70MHz     | Low     | Band Edge | -29.34      | -25         | -4.34       |
|           |           | High    | Band Edge | -31.22      | -13         | -21.62      |
|           | 60MHz     | Low     | Band Edge | -30.35      | -25         | -5.35       |
|           |           | High    | Band Edge | -24.04      | -10         | -14.04      |
|           | 50MHz     | Low     | Band Edge | -33.66      | -25         | -8.66       |
|           |           | High    | Band Edge | -27.85      | -25         | -19.75      |
|           | 45MHz     | Low     | Band Edge | -30.56      | -25         | -5.56       |
|           |           | High    | Band Edge | -25.91      | -10         | -15.91      |
|           | 40MHz     | Low     | Band Edge | -32.31      | -25         | -7.31       |
|           |           | High    | Band Edge | -26.88      | -10         | -16.88      |
|           | 35MHz     | Low     | Band Edge | -31.78      | -25         | -6.78       |
|           |           | High    | Band Edge | -25.42      | -25         | -17.67      |
|           | 30MHz     | Low     | Band Edge | -30.14      | -25         | -5.14       |
|           |           | High    | Band Edge | -24.19      | -25         | -17.67      |
|           | 25MHz     | Low     | Band Edge | -31.64      | -25         | -6.64       |
|           |           | High    | Band Edge | -39.92      | -25         | -15.74      |
|           | 20MHz     | Low     | Band Edge | -30.68      | -25         | -5.68       |
|           |           | High    | Band Edge | -23.36      | -25         | -15.74      |
|           | 15MHz     | Low     | Band Edge | -30.06      | -25         | -5.06       |
|           |           | High    | Band Edge | -24.28      | -10         | -14.28      |
|           | 10MHz     | Low     | Band Edge | -31.03      | -25         | -6.03       |
|           |           | High    | Band Edge | -25.37      | -10         | -15.37      |

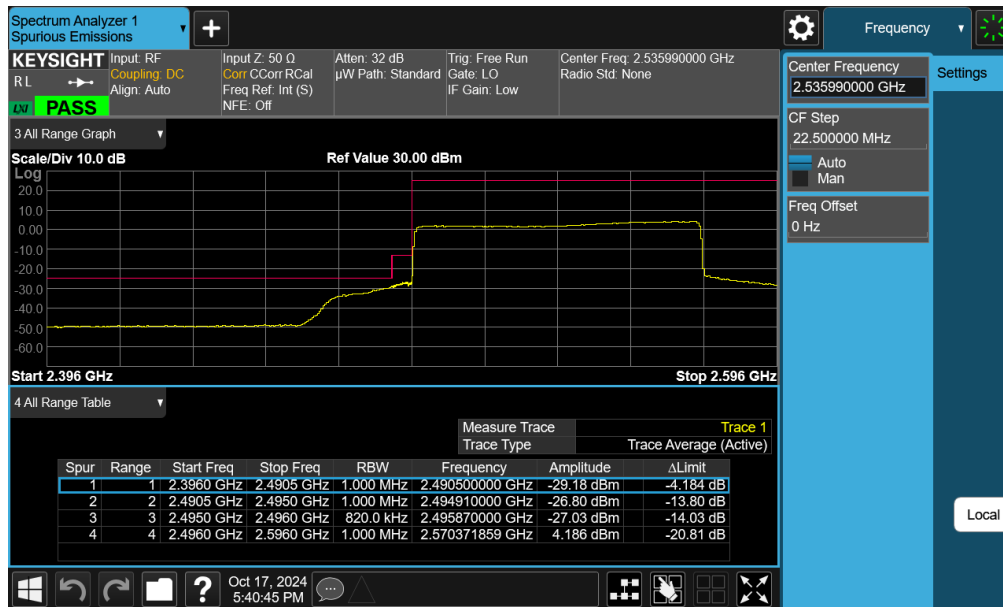
Table 7-30. Conducted Band Edge Test Results – NR – Ant F

| Mode      | Bandwidth | Channel | Test Case | Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------|-----------|---------|-----------|-------------|-------------|-------------|
| NR-n41PC2 | 100MHz    | Low     | Band Edge | -30.58      | -25         | -5.58       |
|           |           | High    | Band Edge | -27.28      | -10         | -17.28      |
|           | 90MHz     | Low     | Band Edge | -35.27      | -25         | -10.27      |
|           |           | High    | Band Edge | -28.21      | -10         | -18.21      |
|           | 80MHz     | Low     | Band Edge | -32.96      | -25         | -7.96       |
|           |           | High    | Band Edge | -29.31      | -10         | -19.31      |
|           | 70MHz     | Low     | Band Edge | -29.80      | -25         | -4.80       |
|           |           | High    | Band Edge | -32.51      | -13         | -19.51      |
|           | 60MHz     | Low     | Band Edge | -32.85      | -25         | -7.85       |
|           |           | High    | Band Edge | -24.38      | -10         | -14.38      |
|           | 50MHz     | Low     | Band Edge | -34.44      | -25         | -9.44       |
|           |           | High    | Band Edge | -30.83      | -10         | -20.83      |
|           | 45MHz     | Low     | Band Edge | -32.65      | -25         | -7.65       |
|           |           | High    | Band Edge | -45.08      | -25         | -20.08      |
|           | 40MHz     | Low     | Band Edge | -32.40      | -25         | -7.40       |
|           |           | High    | Band Edge | -29.23      | -10         | -19.23      |
|           | 35MHz     | Low     | Band Edge | -32.07      | -25         | -7.07       |
|           |           | High    | Band Edge | -42.93      | -25         | -17.93      |
|           | 30MHz     | Low     | Band Edge | -32.79      | -25         | -7.79       |
|           |           | High    | Band Edge | -43.80      | -25         | -18.80      |
|           | 25MHz     | Low     | Band Edge | -30.83      | -25         | -5.83       |
|           |           | High    | Band Edge | -38.96      | -25         | -13.96      |
|           | 20MHz     | Low     | Band Edge | -33.60      | -25         | -8.60       |
|           |           | High    | Band Edge | -41.44      | -25         | -16.44      |
|           | 15MHz     | Low     | Band Edge | -33.54      | -25         | -8.54       |
|           |           | High    | Band Edge | -42.03      | -25         | -17.03      |
|           | 10MHz     | Low     | Band Edge | -34.13      | -25         | -9.13       |
|           |           | High    | Band Edge | -33.70      | -13         | -20.70      |

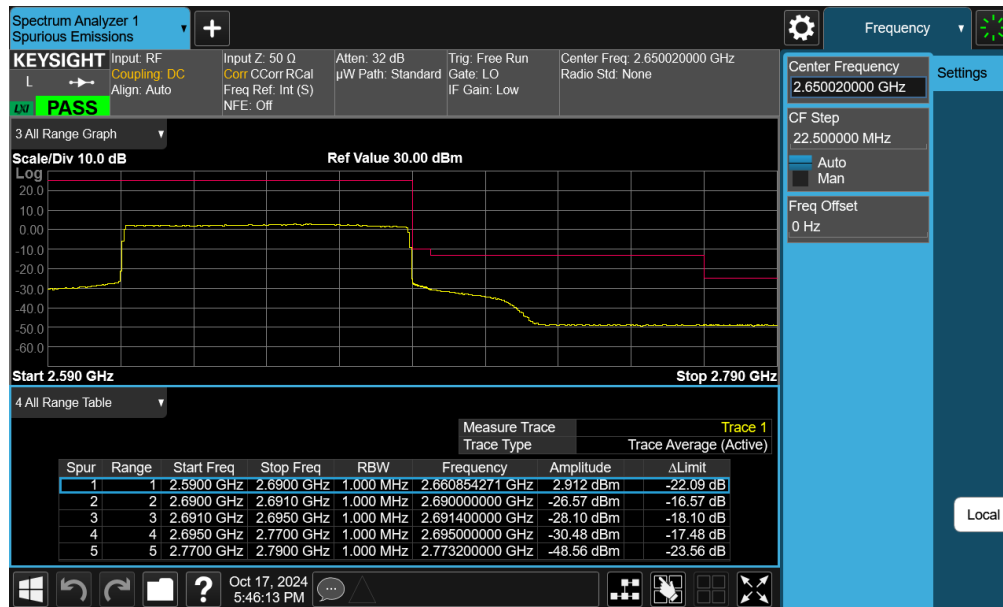
Table 7-31. Conducted Band Edge Test Results – NR – Ant B Switching

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 136 of 186                   |

## NR Band n41 – Ant F – Default



Plot 7-191. Lower Band Edge Plot (NR Band n41 - 80MHz DFT-s-OFDM-QPSK – Full RB - Ant F)

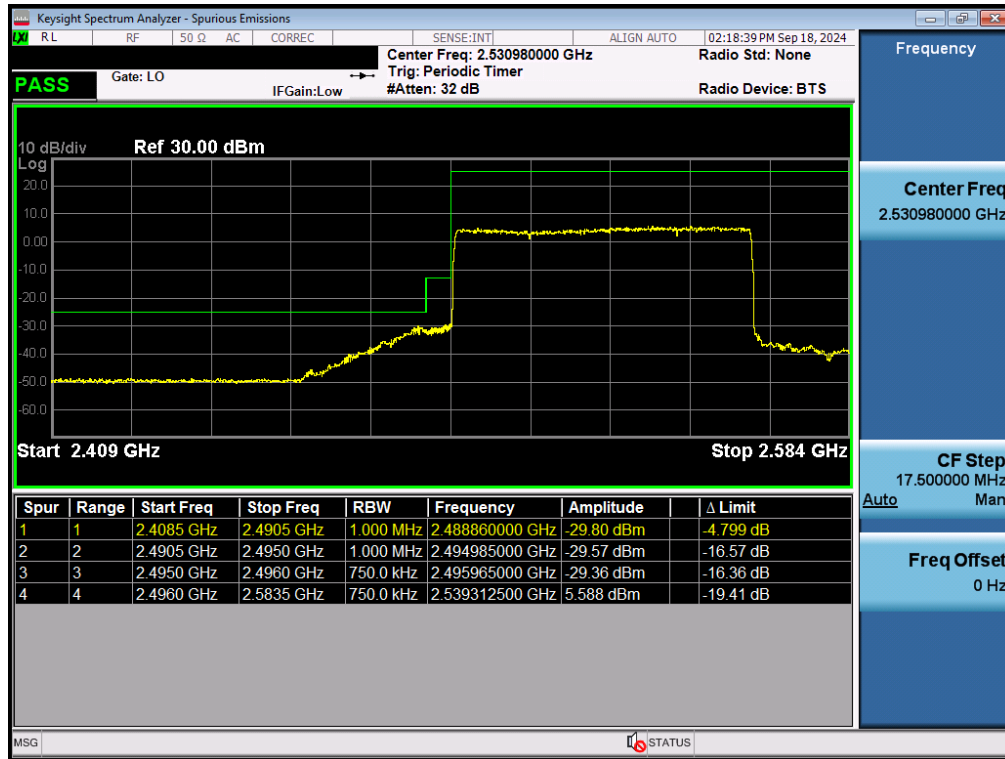


Plot 7-192. Upper Band Edge Plot (NR Band n41 - 80MHz DFT-s-OFDM-QPSK – Full RB - Ant F)

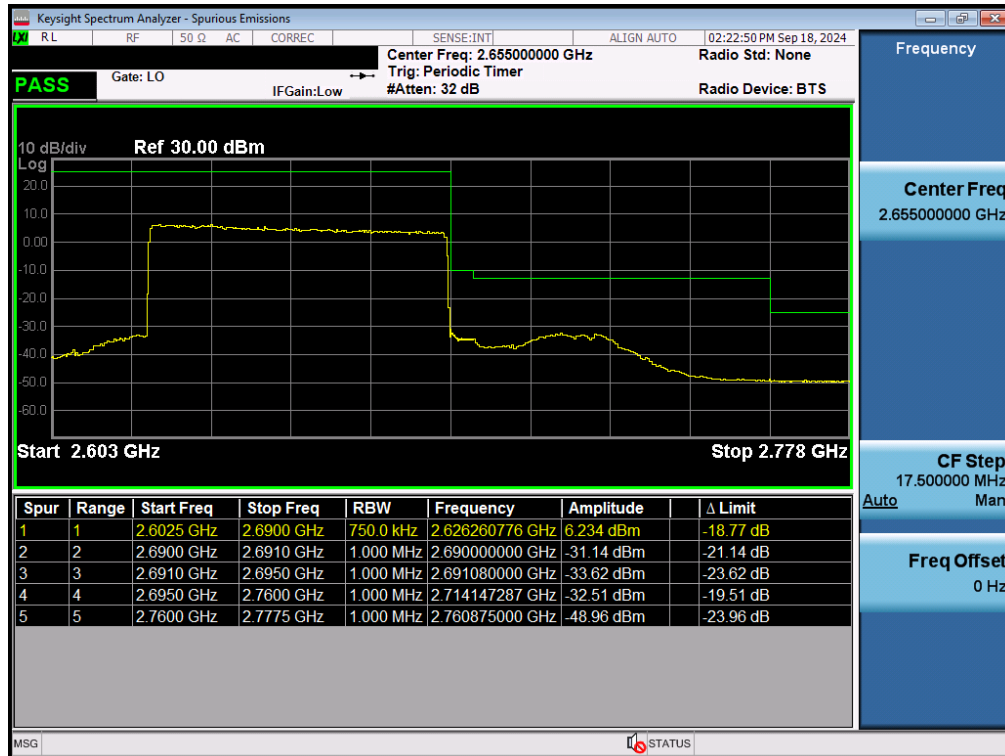
|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 137 of 186                   |



## NR Band n41 – Ant B – Switching



Plot 7-193. Lower Band Edge Plot (NR Band n41 - 70MHz DFT-s-OFDM-BPSK – Full RB - Ant B)



Plot 7-194. Upper Band Edge Plot (NR Band n41 - 70MHz DFT-s-OFDM-BPSK – Full RB - Ant B)

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 138 of 186                   |



| Mode      | Bandwidth | Channel | Test Case | Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------|-----------|---------|-----------|-------------|-------------|-------------|
| NR-n41PC2 | 100MHz    | Low     | Band Edge | -30.91      | -25         | -5.91       |
|           |           | High    | Band Edge | -26.81      | -10         | -16.81      |

Table 7-32. Conducted Band Edge Test Results – NR Band n41 – Ant B

| Mode      | Bandwidth | Channel | Test Case | Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------|-----------|---------|-----------|-------------|-------------|-------------|
| NR-n41PC2 | 100MHz    | Low     | Band Edge | -37.44      | -25         | -12.44      |
|           |           | High    | Band Edge | -31.67      | -10         | -21.67      |

Table 7-33. Conducted Band Edge Test Results – NR Band n41 – Ant F - Switching

| Mode      | Bandwidth | Channel | Test Case | Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------|-----------|---------|-----------|-------------|-------------|-------------|
| NR-n41PC2 | 100MHz    | Low     | Band Edge | -32.37      | -25         | -7.37       |
|           |           | High    | Band Edge | -27.16      | -10         | -17.16      |

Table 7-34. Conducted Band Edge Test Results – NR Band n41 – Ant E

| Mode      | Bandwidth | Channel | Test Case | Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------|-----------|---------|-----------|-------------|-------------|-------------|
| NR-n41PC2 | 100MHz    | Low     | Band Edge | -33.58      | -25         | -8.58       |
|           |           | High    | Band Edge | -28.71      | -10         | -18.71      |

Table 7-35. Conducted Band Edge Test Results – NR Band n41 – Ant D – Switching

| Mode      | Bandwidth | Channel | Test Case | Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------|-----------|---------|-----------|-------------|-------------|-------------|
| NR-n41PC2 | 100MHz    | Low     | Band Edge | -31.29      | -25         | -6.29       |
|           |           | High    | Band Edge | -28.81      | -10         | -18.81      |

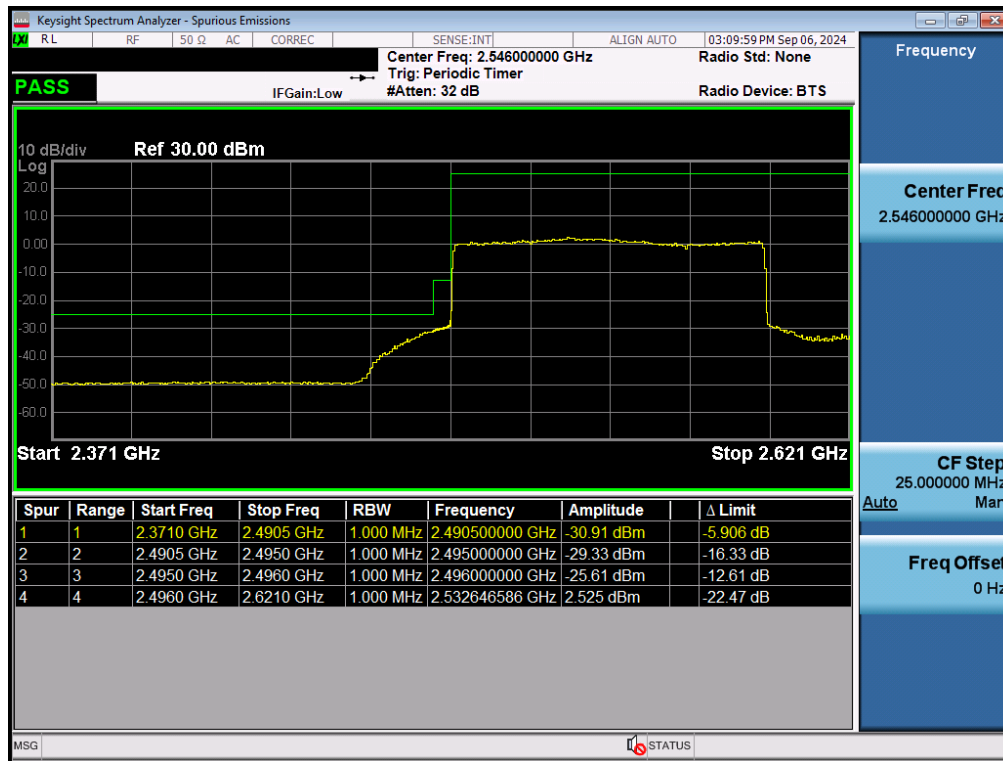
Table 7-36. Conducted Band Edge Test Results – NR Band n41 – Ant D

| Mode      | Bandwidth | Channel | Test Case | Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------|-----------|---------|-----------|-------------|-------------|-------------|
| NR-n41PC2 | 100MHz    | Low     | Band Edge | -39.14      | -25         | -14.14      |
|           |           | High    | Band Edge | -33.63      | -10         | -23.63      |

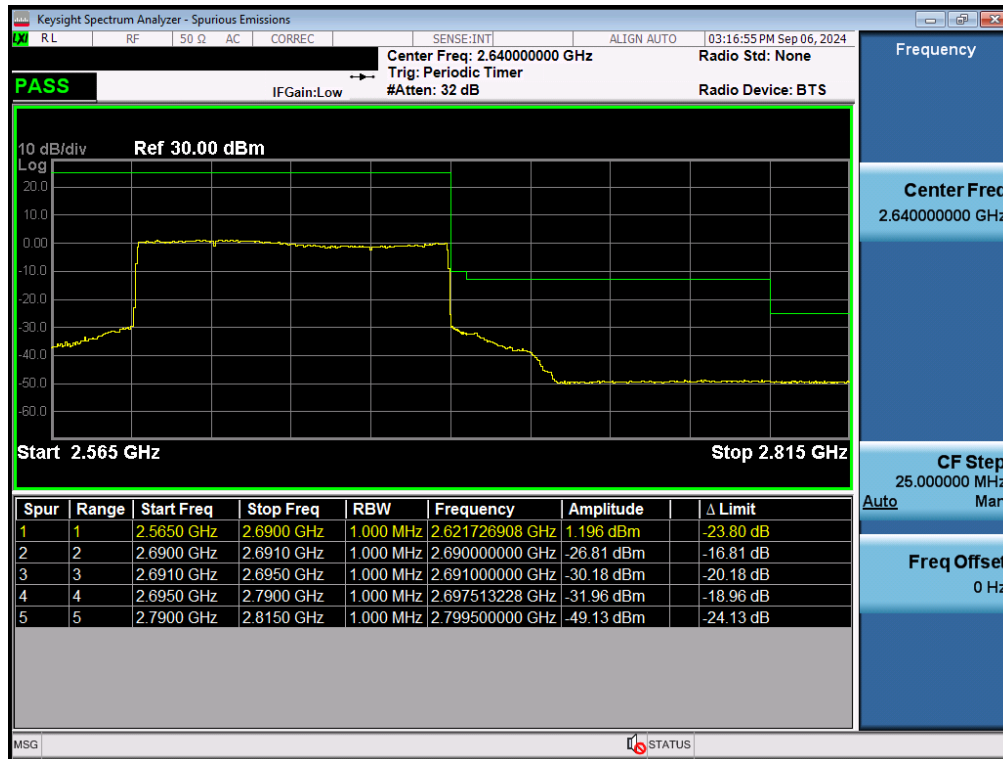
Table 7-37. Conducted Band Edge Test Results – NR Band n41 – Ant E - Switching

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 139 of 186                   |

## NR Band n41 – Ant B – Default



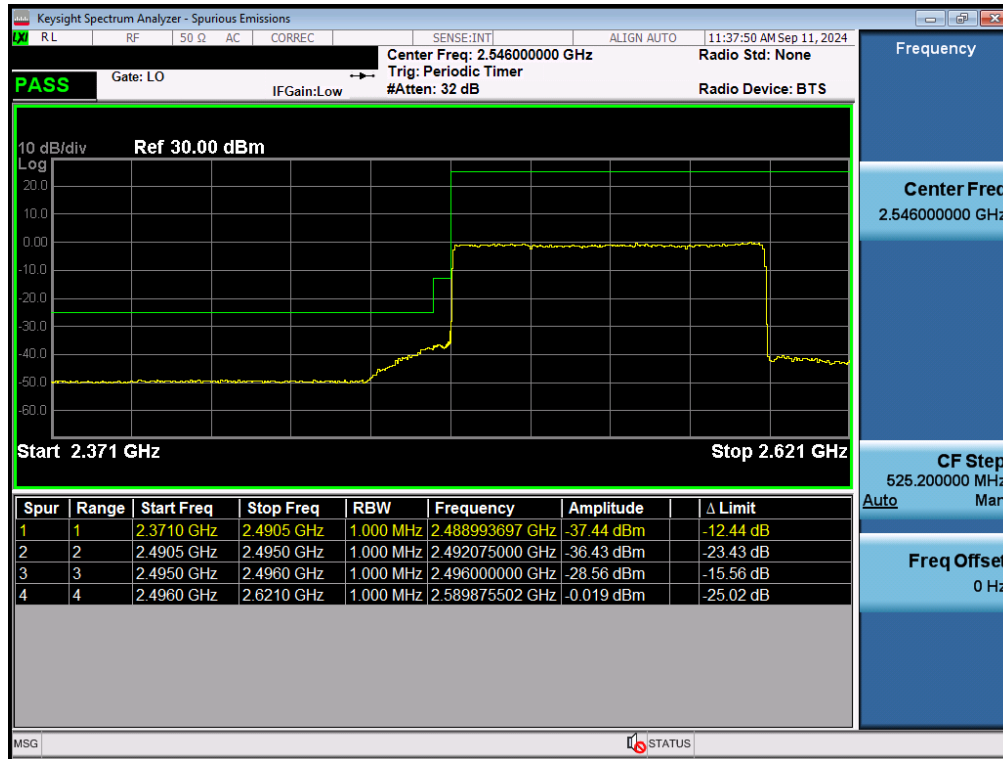
Plot 7-195. Lower Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM-BPSK – Full RB - Ant B)



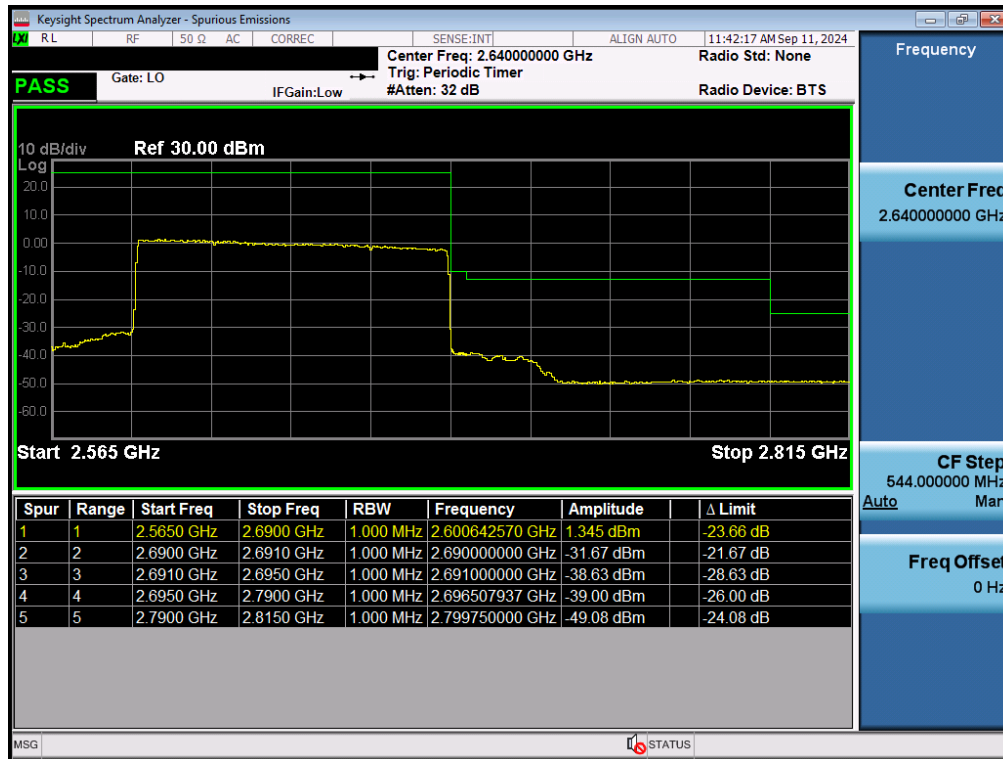
Plot 7-196. Upper Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM-BPSK – Full RB - Ant B)

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 140 of 186                   |

## NR Band n41 – Ant F – Switching



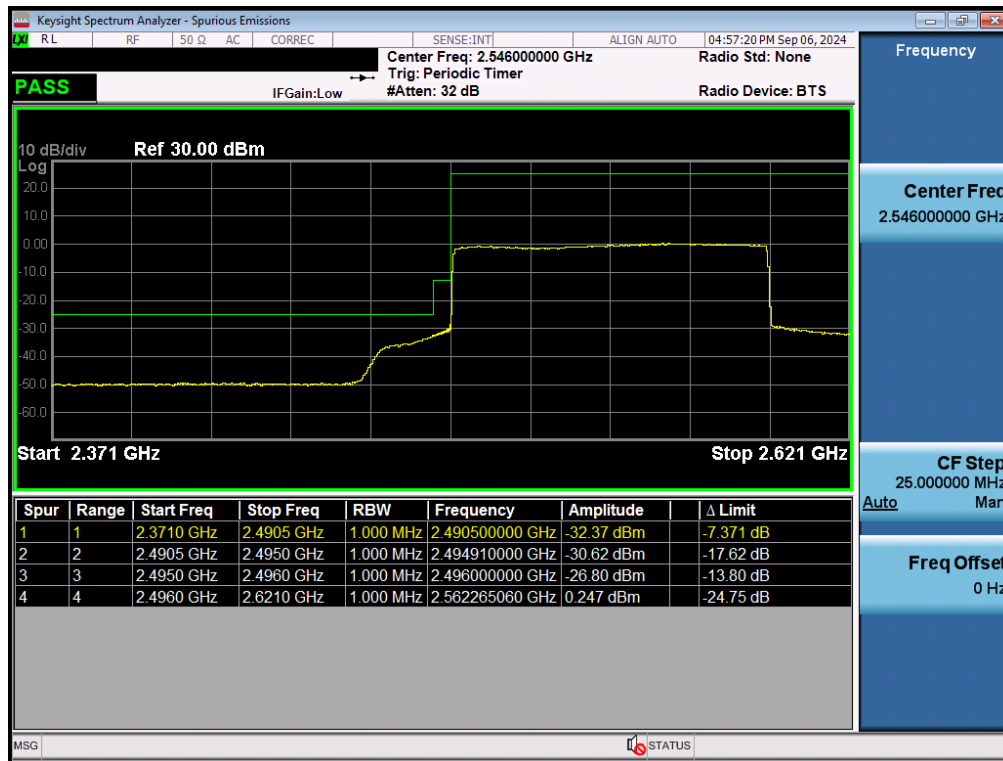
Plot 7-197. Lower Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM-QPSK – Full RB - Ant F)



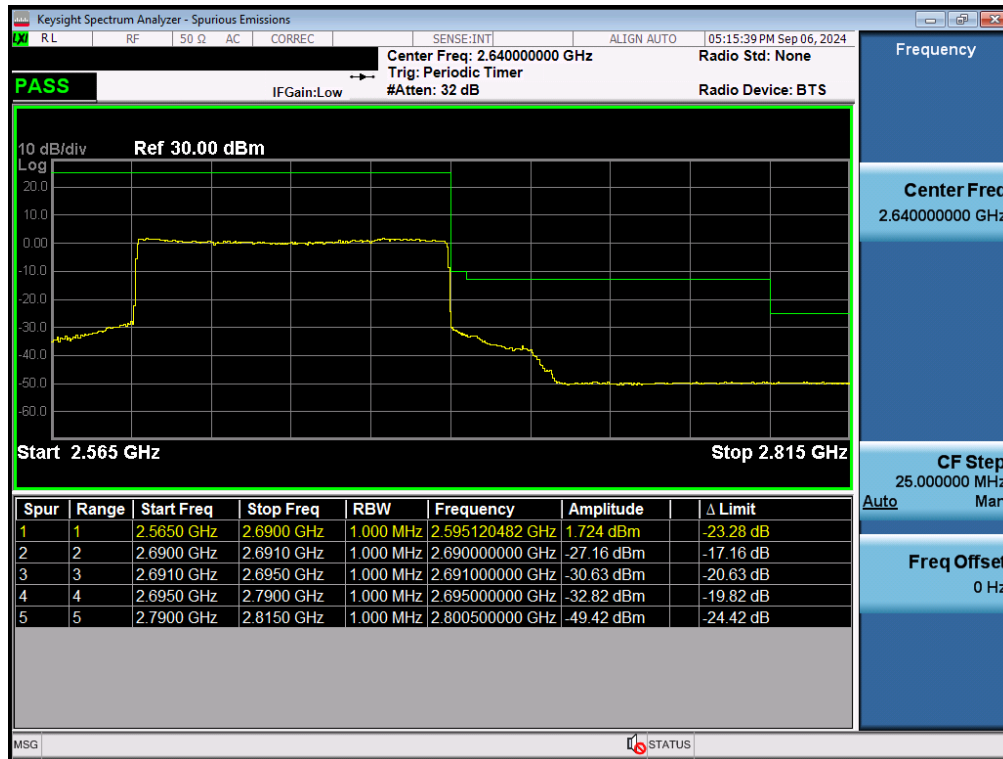
Plot 7-198. Upper Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM-BPSK – Full RB - Ant F)

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 141 of 186                   |

## NR Band n41 – Ant E – Default



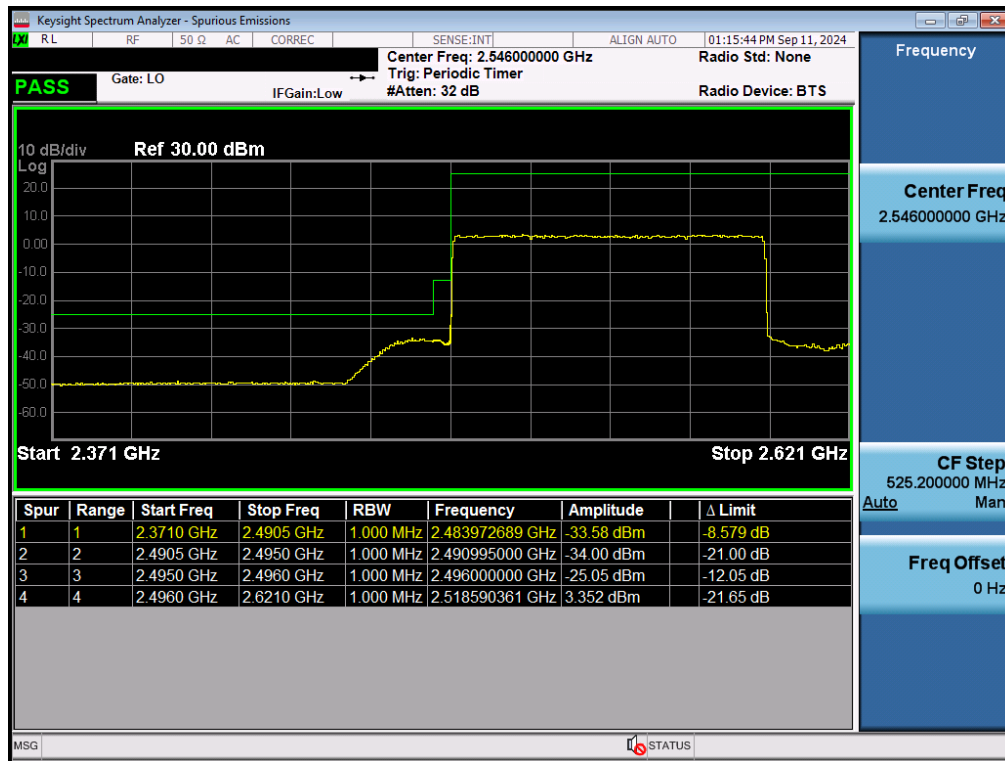
Plot 7-199. Lower Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM-QPSK – Full RB - Ant E)



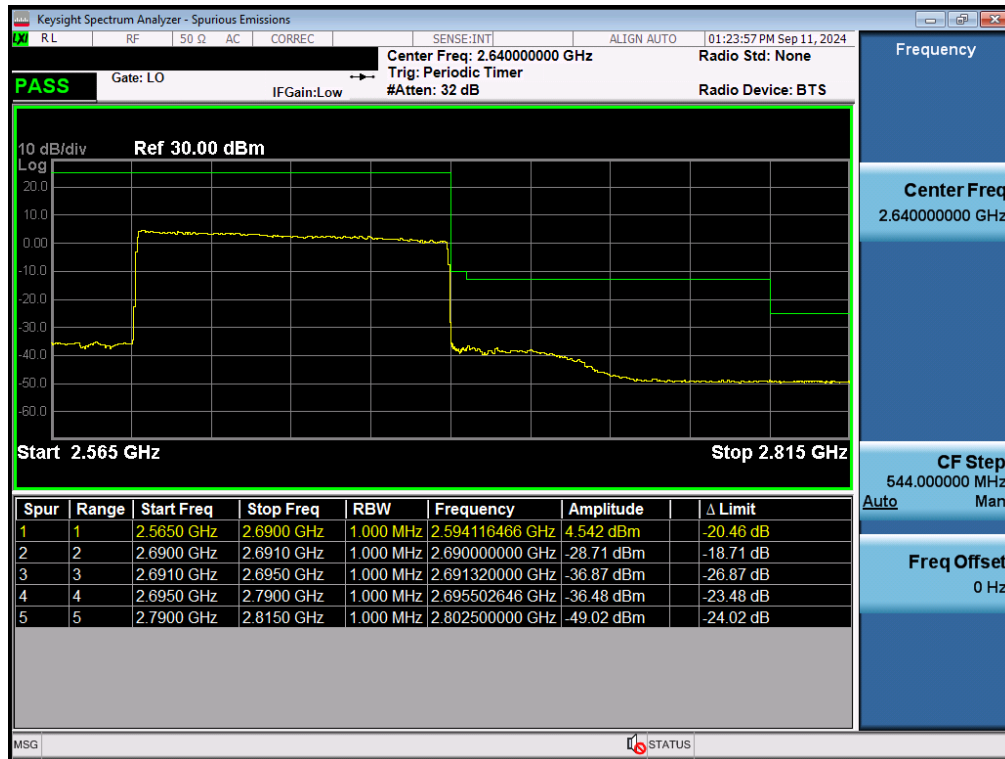
Plot 7-200. Upper Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM-BPSK – Full RB - Ant E)

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 142 of 186                   |

## NR Band n41 – Ant D – Switching



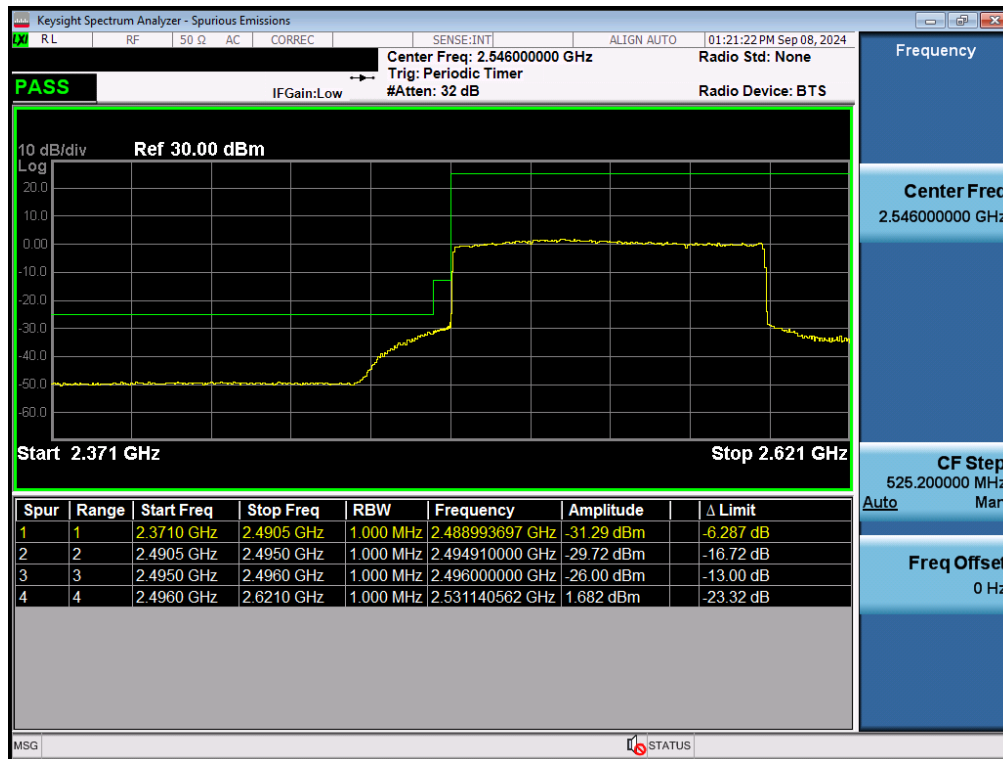
Plot 7-201. Lower Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM-QPSK – Full RB - Ant D)



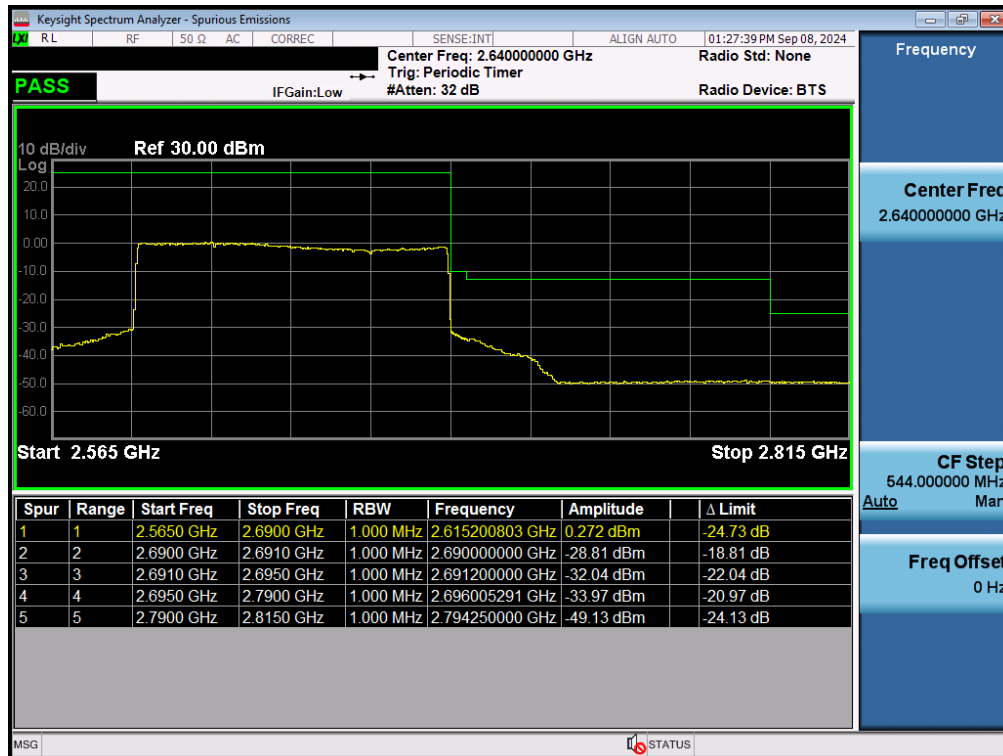
Plot 7-202. Upper Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM-QPSK – Full RB - Ant D)

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 143 of 186                   |

## NR Band n41 – Ant D – Default



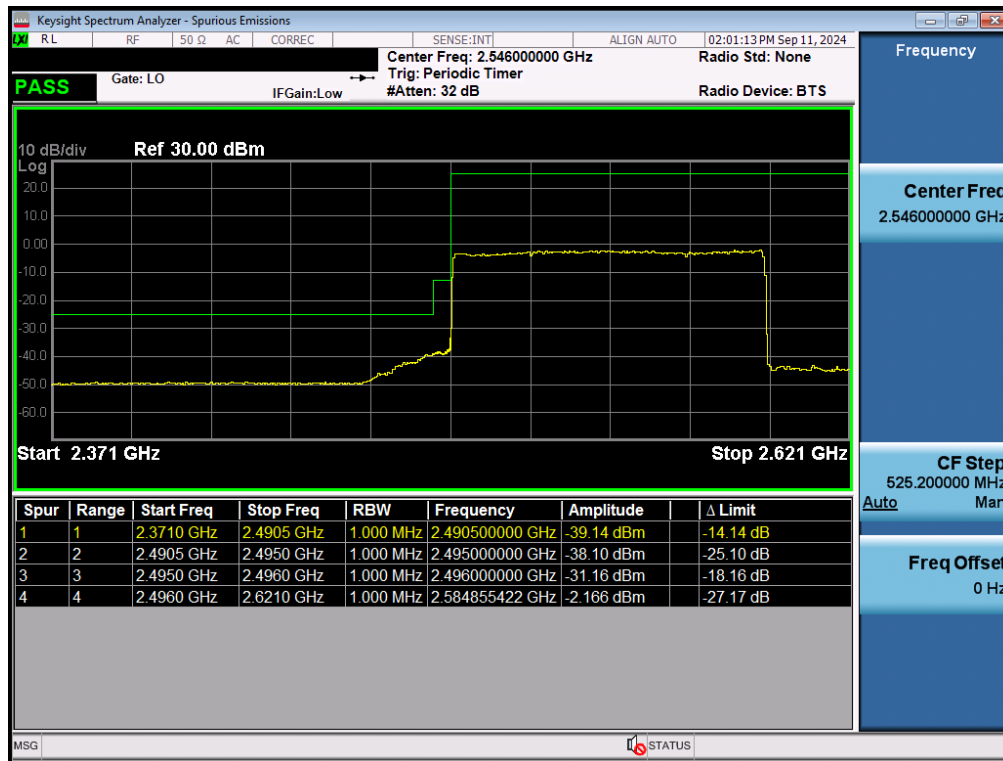
Plot 7-203. Lower Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM-BPSK – Full RB - Ant D)



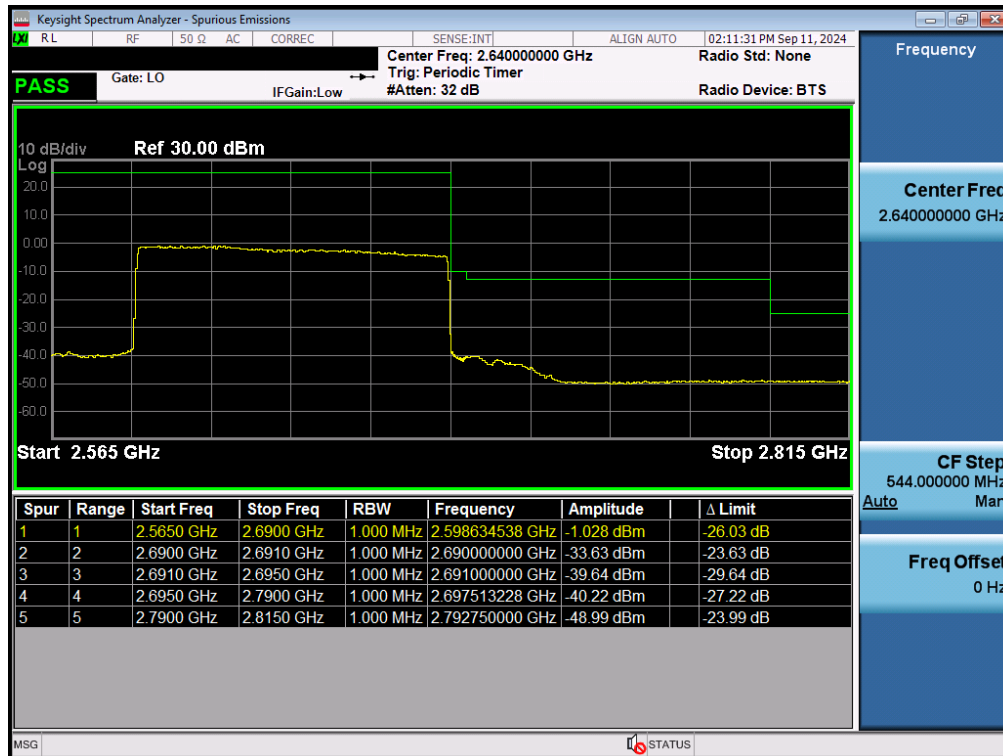
Plot 7-204. Upper Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM-BPSK – Full RB - Ant D)

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 144 of 186                   |

## NR Band n41 – Ant E – Switching



Plot 7-205. Lower Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM-BPSK – Full RB - Ant E)



Plot 7-206. Upper Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM-BPSK – Full RB - Ant E)

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 145 of 186                   |



## 7.6 Radiated Power (EIRP)

### Test Overview

Equivalent Isotropic Radiated Power (EIRP) measurements are performed using the substitution method described in ANSI C63.26-2015 with the EUT transmitting into an integral antenna. Measurements are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed as RMS average measurements while the EUT is operating at maximum power, and at the appropriate frequencies.

### Test Procedures Used

ANSI C63.26-2015 – Section 5.2.4.4

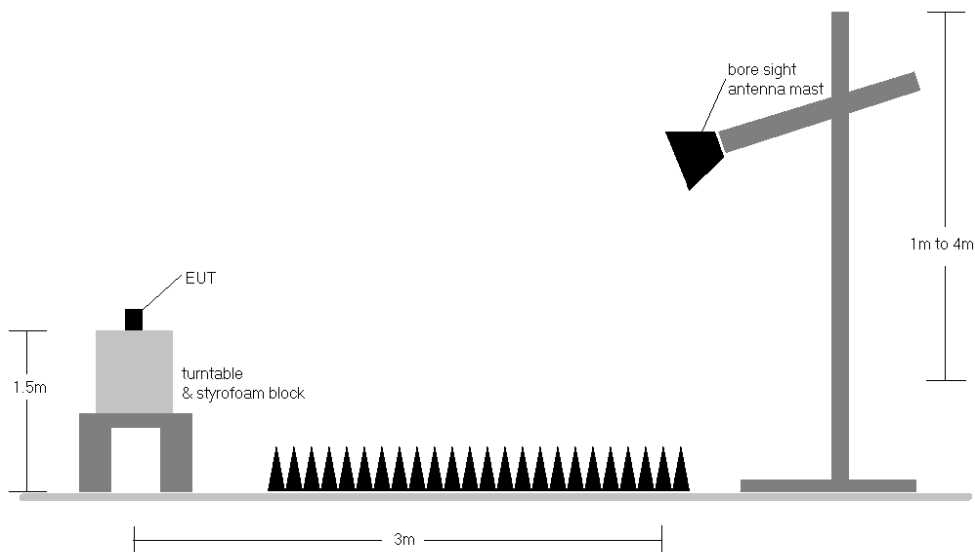
### Test Settings

1. Radiated power measurements are performed using the signal analyzer's "channel power" measurement capability for signals with continuous operation. For signals with burst transmission, the signal analyzer's "time domain power" measurement capability is used
2. RBW = 1 – 5% of the expected OBW, not to exceed 1MHz
3. VBW  $\geq 3 \times$  RBW
4. Span = 1.5 times the OBW
5. No. of sweep points  $\geq 2 \times$  span / RBW
6. Detector = RMS
7. Trigger is set to "free run" for signals with continuous operation with the sweep times set to "auto". Trigger is set to enable triggering only on full power bursts with the sweep time set less than or equal to the transmission burst duration.
8. The integration bandwidth was roughly set equal to the measured OBW of the signal for signals with continuous operation. For signals with burst transmission, the "gating" function was enabled to ensure that measurements are performed during times in which the transmitter is operating at its maximum power.
9. Trace mode = trace averaging (RMS) over 100 sweeps
10. The trace was allowed to stabilize.

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 146 of 186                   |

## Test Setup

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



**Figure 7-5. Radiated Test Setup >1GHz**

## Test Notes

- 1) 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.
- 2) This unit was tested with its standard battery.
- 3) 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.

|                                                |                                               |                                      |                                          |
|------------------------------------------------|-----------------------------------------------|--------------------------------------|------------------------------------------|
| <b>FCC ID:</b> A3LSMS938B                      | <b>PART 27 MEASUREMENT REPORT</b>             |                                      | <b>Approved by:</b><br>Technical Manager |
| <b>Test Report S/N:</b><br>1M2408260069-07.A3L | <b>Test Dates:</b><br>09/03/2024 - 11/05/2024 | <b>EUT Type:</b><br>Portable Handset | Page 147 of 186                          |

| Bandwidth | Mod.          | Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Ant. Gain [dBi] | RB Size/Offset | Substitute Level [dBm] | EIRP [dBm]   | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|---------------|-----------------|-----------------|---------------------|----------------------------|-----------------|----------------|------------------------|--------------|--------------|------------------|-------------|
| 20 MHz    | QPSK          | 2506.0          | H               | 145                 | 150                        | 9.40            | 1 / 99         | 13.47                  | 22.87        | 0.194        | 33.01            | -10.14      |
|           | QPSK          | 2593.0          | H               | 148                 | 136                        | 9.53            | 1 / 99         | 13.36                  | 22.89        | 0.194        | 33.01            | -10.13      |
|           | QPSK          | 2680.0          | H               | 136                 | 160                        | 9.65            | 1 / 50         | 14.39                  | <b>24.04</b> | 0.253        | 33.01            | -8.97       |
|           | 16-QAM        | 2680.0          | H               | 136                 | 160                        | 9.65            | 1 / 50         | 13.62                  | 23.27        | 0.212        | 33.01            | -9.74       |
| 15 MHz    | QPSK          | 2503.5          | H               | 145                 | 150                        | 9.39            | 1 / 37         | 13.15                  | 22.54        | 0.180        | 33.01            | -10.47      |
|           | QPSK          | 2593.0          | H               | 148                 | 136                        | 9.53            | 1 / 74         | 13.04                  | 22.56        | 0.180        | 33.01            | -10.45      |
|           | QPSK          | 2682.5          | H               | 136                 | 160                        | 9.65            | 1 / 0          | 14.33                  | <b>23.98</b> | 0.250        | 33.01            | -9.03       |
|           | 16-QAM        | 2593.0          | H               | 148                 | 136                        | 9.53            | 1 / 74         | 13.11                  | 22.63        | 0.183        | 33.01            | -10.38      |
| 10 MHz    | QPSK          | 2501.0          | H               | 145                 | 150                        | 9.39            | 1 / 49         | 13.48                  | 22.87        | 0.194        | 33.01            | -10.14      |
|           | QPSK          | 2593.0          | H               | 148                 | 136                        | 9.53            | 1 / 49         | 13.35                  | 22.88        | 0.194        | 33.01            | -10.13      |
|           | QPSK          | 2685.0          | H               | 136                 | 160                        | 9.66            | 1 / 0          | 14.40                  | <b>24.05</b> | 0.254        | 33.01            | -8.96       |
|           | 16-QAM        | 2685.0          | H               | 136                 | 160                        | 9.66            | 1 / 0          | 13.53                  | 23.19        | 0.208        | 33.01            | -9.82       |
| 5 MHz     | QPSK          | 2498.5          | H               | 145                 | 150                        | 9.39            | 1 / 0          | 13.16                  | 22.54        | 0.180        | 33.01            | -10.47      |
|           | QPSK          | 2593.0          | H               | 148                 | 136                        | 9.53            | 1 / 24         | 13.90                  | 23.42        | 0.220        | 33.01            | -9.59       |
|           | QPSK          | 2687.5          | H               | 136                 | 160                        | 9.66            | 1 / 0          | 14.47                  | <b>24.13</b> | 0.259        | 33.01            | -8.88       |
|           | 16-QAM        | 2593.0          | H               | 148                 | 136                        | 9.53            | 1 / 24         | 13.99                  | 23.51        | 0.225        | 33.01            | -9.50       |
| 20 MHz    | Opposite Pol. | 2680.0          | V               | 101                 | 303                        | 9.65            | 1 / 50         | 13.22                  | 22.87        | 0.194        | 33.01            | -10.14      |
|           | WCP           | 2680.0          | H               | 138                 | 161                        | 9.65            | 1 / 50         | 13.97                  | 23.62        | 0.230        | 33.01            | -9.39       |

Table 7-38. EIRP Data (LTE Band 41(PC2) – Ant B)

| Bandwidth | Mod.          | Frequency [MHz] | Ant. Pol. [H/V] | EUT Pol. | Antenna Height [cm] | Turntable Azimuth [degree] | Ant. Gain [dBi] | RB Size/Offset | Substitute Level [dBm] | EIRP [dBm]   | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|---------------|-----------------|-----------------|----------|---------------------|----------------------------|-----------------|----------------|------------------------|--------------|--------------|------------------|-------------|
| 20 MHz    | QPSK          | 2506.0          | H               | X        | 102                 | 321                        | 9.40            | 1 / 0          | 15.02                  | <b>24.42</b> | 0.277        | 33.01            | -8.59       |
|           | QPSK          | 2593.0          | H               | X        | 117                 | 315                        | 9.53            | 1 / 0          | 14.11                  | 23.64        | 0.231        | 33.01            | -9.38       |
|           | QPSK          | 2680.0          | H               | X        | 110                 | 316                        | 9.65            | 1 / 50         | 14.75                  | 24.40        | 0.275        | 33.01            | -8.61       |
|           | 16-QAM        | 2680.0          | H               | X        | 110                 | 316                        | 9.65            | 1 / 50         | 14.05                  | 23.70        | 0.234        | 33.01            | -9.31       |
| 15 MHz    | QPSK          | 2503.5          | H               | X        | 102                 | 321                        | 9.39            | 1 / 0          | 15.16                  | <b>24.55</b> | 0.285        | 33.01            | -8.46       |
|           | QPSK          | 2593.0          | H               | X        | 117                 | 315                        | 9.53            | 1 / 0          | 14.15                  | 23.67        | 0.233        | 33.01            | -9.34       |
|           | QPSK          | 2682.5          | H               | X        | 110                 | 316                        | 9.65            | 1 / 37         | 14.66                  | 24.31        | 0.270        | 33.01            | -8.70       |
|           | 16-QAM        | 2503.5          | H               | X        | 102                 | 321                        | 9.39            | 1 / 0          | 14.24                  | 23.63        | 0.231        | 33.01            | -9.38       |
| 10 MHz    | QPSK          | 2501.0          | H               | X        | 102                 | 321                        | 9.39            | 1 / 0          | 15.06                  | 24.45        | 0.279        | 33.01            | -8.56       |
|           | QPSK          | 2593.0          | H               | X        | 117                 | 315                        | 9.53            | 1 / 49         | 13.97                  | 23.49        | 0.224        | 33.01            | -9.52       |
|           | QPSK          | 2685.0          | H               | X        | 110                 | 316                        | 9.66            | 1 / 0          | 14.81                  | <b>24.46</b> | 0.279        | 33.01            | -8.55       |
|           | 16-QAM        | 2501.0          | H               | X        | 102                 | 321                        | 9.39            | 1 / 0          | 14.38                  | 23.77        | 0.238        | 33.01            | -9.24       |
| 5 MHz     | QPSK          | 2498.5          | H               | X        | 102                 | 321                        | 9.39            | 1 / 24         | 15.65                  | <b>25.03</b> | 0.319        | 33.01            | -7.98       |
|           | QPSK          | 2593.0          | H               | X        | 117                 | 315                        | 9.53            | 1 / 24         | 14.38                  | 23.90        | 0.246        | 33.01            | -9.11       |
|           | QPSK          | 2687.5          | H               | X        | 110                 | 316                        | 9.66            | 1 / 12         | 14.56                  | 24.22        | 0.264        | 33.01            | -8.79       |
|           | 16-QAM        | 2498.5          | H               | X        | 102                 | 321                        | 9.39            | 1 / 24         | 14.84                  | 24.22        | 0.264        | 33.01            | -8.79       |
| 20 MHz    | Opposite Pol. | 2506.0          | V               | Y        | 233                 | 345                        | 9.40            | 1 / 0          | 13.45                  | 22.85        | 0.193        | 33.01            | -10.16      |
|           | WCP           | 2506.0          | H               | X        | 105                 | 319                        | 9.40            | 1 / 0          | 14.26                  | 23.66        | 0.232        | 33.01            | -9.35       |

Table 7-39. EIRP Data (LTE Band 41(PC2) – Ant F)

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 148 of 186                   |

| Bandwidth | Mod.          | Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Ant. Gain [dBi] | RB Size/Offset | Substitute Level [dBm] | EIRP [dBm]   | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|---------------|-----------------|-----------------|---------------------|----------------------------|-----------------|----------------|------------------------|--------------|--------------|------------------|-------------|
| 20 MHz    | QPSK          | 2506.0          | H               | 109                 | 165                        | 9.40            | 1 / 0          | 11.93                  | 21.33        | 0.136        | 33.01            | -11.68      |
|           | QPSK          | 2593.0          | H               | 116                 | 155                        | 9.53            | 1 / 0          | 12.59                  | 22.12        | 0.163        | 33.01            | -10.90      |
|           | QPSK          | 2680.0          | H               | 110                 | 159                        | 9.65            | 1 / 50         | 12.69                  | <b>22.34</b> | 0.171        | 33.01            | -10.67      |
|           | 16-QAM        | 2680.0          | H               | 110                 | 159                        | 9.65            | 1 / 50         | 11.90                  | 21.55        | 0.143        | 33.01            | -11.46      |
| 15 MHz    | QPSK          | 2503.5          | H               | 109                 | 165                        | 9.39            | 1 / 0          | 11.98                  | 21.38        | 0.137        | 33.01            | -11.63      |
|           | QPSK          | 2593.0          | H               | 116                 | 155                        | 9.53            | 1 / 0          | 12.79                  | 22.32        | 0.171        | 33.01            | -10.69      |
|           | QPSK          | 2682.5          | H               | 110                 | 159                        | 9.65            | 1 / 74         | 12.99                  | <b>22.64</b> | 0.184        | 33.01            | -10.37      |
|           | 16-QAM        | 2593.0          | H               | 116                 | 155                        | 9.53            | 1 / 0          | 11.51                  | 21.04        | 0.127        | 33.01            | -11.97      |
| 10 MHz    | QPSK          | 2501.0          | H               | 109                 | 165                        | 9.39            | 1 / 49         | 12.35                  | 21.74        | 0.149        | 33.01            | -11.27      |
|           | QPSK          | 2593.0          | H               | 116                 | 155                        | 9.53            | 1 / 0          | 12.85                  | 22.37        | 0.173        | 33.01            | -10.64      |
|           | QPSK          | 2685.0          | H               | 110                 | 159                        | 9.66            | 1 / 25         | 13.03                  | <b>22.68</b> | 0.186        | 33.01            | -10.33      |
|           | 16-QAM        | 2685.0          | H               | 110                 | 159                        | 9.66            | 1 / 25         | 11.51                  | 21.16        | 0.131        | 33.01            | -11.85      |
| 5 MHz     | QPSK          | 2498.5          | H               | 109                 | 165                        | 9.39            | 1 / 12         | 12.44                  | 21.82        | 0.152        | 33.01            | -11.19      |
|           | QPSK          | 2593.0          | H               | 116                 | 155                        | 9.53            | 1 / 24         | 13.16                  | <b>22.69</b> | 0.186        | 33.01            | -10.33      |
|           | QPSK          | 2687.5          | H               | 110                 | 159                        | 9.66            | 1 / 12         | 13.00                  | 22.66        | 0.184        | 33.01            | -10.35      |
|           | 16-QAM        | 2593.0          | H               | 116                 | 155                        | 9.53            | 1 / 24         | 12.38                  | 21.90        | 0.155        | 33.01            | -11.11      |
| 20 MHz    | Opposite Pol. | 2680.0          | V               | 118                 | 286                        | 9.53            | 1 / 0          | 11.11                  | 20.64        | 0.116        | 33.01            | -12.38      |
|           | WCP           | 2680.0          | H               | 110                 | 158                        | 9.53            | 1 / 12         | 12.63                  | 22.16        | 0.164        | 33.01            | -10.86      |

Table 7-40. EIRP Data (LTE Band 41(PC3) – Ant B)

| Bandwidth | Mod.          | Frequency [MHz] | Ant. Pol. [H/V] | EUT Pol. | Antenna Height [cm] | Turntable Azimuth [degree] | Ant. Gain [dBi] | RB Size/Offset | Substitute Level [dBm] | EIRP [dBm]   | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|---------------|-----------------|-----------------|----------|---------------------|----------------------------|-----------------|----------------|------------------------|--------------|--------------|------------------|-------------|
| 20 MHz    | QPSK          | 2506.0          | H               | X        | 106                 | 328                        | 9.40            | 1 / 0          | 13.63                  | <b>23.03</b> | 0.201        | 33.01            | -9.98       |
|           | QPSK          | 2593.0          | H               | X        | 104                 | 317                        | 9.53            | 1 / 0          | 12.57                  | 22.10        | 0.162        | 33.01            | -10.92      |
|           | QPSK          | 2680.0          | H               | X        | 112                 | 318                        | 9.65            | 1 / 50         | 12.03                  | 21.68        | 0.147        | 33.01            | -11.33      |
|           | 16-QAM        | 2506.0          | H               | X        | 106                 | 328                        | 9.40            | 1 / 0          | 12.41                  | 21.81        | 0.152        | 33.01            | -11.20      |
| 15 MHz    | QPSK          | 2503.5          | H               | X        | 106                 | 328                        | 9.39            | 1 / 74         | 13.68                  | <b>23.07</b> | 0.203        | 33.01            | -9.94       |
|           | QPSK          | 2593.0          | H               | X        | 104                 | 317                        | 9.53            | 1 / 74         | 12.57                  | 22.10        | 0.162        | 33.01            | -10.91      |
|           | QPSK          | 2682.5          | H               | X        | 112                 | 318                        | 9.65            | 1 / 74         | 12.11                  | 21.77        | 0.150        | 33.01            | -11.24      |
|           | 16-QAM        | 2503.5          | H               | X        | 106                 | 328                        | 9.39            | 1 / 74         | 12.17                  | 21.56        | 0.143        | 33.01            | -11.45      |
| 10 MHz    | QPSK          | 2501.0          | H               | X        | 106                 | 328                        | 9.39            | 1 / 25         | 13.65                  | <b>23.04</b> | 0.201        | 33.01            | -9.97       |
|           | QPSK          | 2593.0          | H               | X        | 104                 | 317                        | 9.53            | 1 / 25         | 12.52                  | 22.04        | 0.160        | 33.01            | -10.97      |
|           | QPSK          | 2685.0          | H               | X        | 112                 | 318                        | 9.66            | 1 / 25         | 12.12                  | 21.77        | 0.150        | 33.01            | -11.24      |
|           | 16-QAM        | 2501.0          | H               | X        | 106                 | 328                        | 9.39            | 1 / 25         | 12.16                  | 21.55        | 0.143        | 33.01            | -11.46      |
| 5 MHz     | QPSK          | 2498.5          | H               | X        | 106                 | 328                        | 9.39            | 1 / 12         | 13.62                  | <b>23.01</b> | 0.200        | 33.01            | -10.00      |
|           | QPSK          | 2593.0          | H               | X        | 104                 | 317                        | 9.53            | 1 / 0          | 12.58                  | 22.10        | 0.162        | 33.01            | -10.91      |
|           | QPSK          | 2687.5          | H               | X        | 112                 | 318                        | 9.66            | 1 / 12         | 12.07                  | 21.73        | 0.149        | 33.01            | -11.28      |
|           | 16-QAM        | 2498.5          | H               | X        | 106                 | 328                        | 9.39            | 1 / 12         | 11.96                  | 21.34        | 0.136        | 33.01            | -11.67      |
| 20 MHz    | Opposite Pol. | 2506.0          | V               | Z        | 162                 | 323                        | 9.40            | 1 / 0          | 12.19                  | 21.59        | 0.144        | 33.01            | -11.42      |
|           | WCP           | 2506.0          | H               | X        | 110                 | 328                        | 9.40            | 1 / 0          | 13.28                  | 22.68        | 0.185        | 33.01            | -10.33      |

Table 7-41. EIRP Data (LTE Band 41(PC3) – Ant F)

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 149 of 186                   |

| Bandwidth | Mod.         | Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Ant. Gain [dBi] | RB Size/Offset | Substitute Level [dBm] | EIRP [dBm]   | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|--------------|-----------------|-----------------|---------------------|----------------------------|-----------------|----------------|------------------------|--------------|--------------|------------------|-------------|
| 100 MHz   | $\pi/2$ BPSK | 2546.01         | H               | 124                 | 326                        | 9.46            | 1 / 1          | 14.38                  | 23.84        | 0.242        | 33.01            | -9.17       |
|           | $\pi/2$ BPSK | 2592.99         | H               | 125                 | 311                        | 9.53            | 1 / 1          | 14.53                  | <b>24.06</b> | 0.254        | 33.01            | -8.96       |
|           | $\pi/2$ BPSK | 2640.00         | H               | 120                 | 309                        | 9.59            | 1 / 1          | 12.91                  | 22.50        | 0.178        | 33.01            | -10.51      |
|           | QPSK         | 2546.01         | H               | 124                 | 326                        | 9.46            | 1 / 136        | 13.59                  | 23.05        | 0.202        | 33.01            | -9.96       |
|           | QPSK         | 2592.99         | H               | 125                 | 311                        | 9.53            | 1 / 1          | 13.80                  | 23.33        | 0.215        | 33.01            | -9.69       |
|           | QPSK         | 2640.00         | H               | 120                 | 309                        | 9.59            | 1 / 1          | 12.27                  | 21.86        | 0.154        | 33.01            | -11.15      |
| 90 MHz    | 16-QAM       | 2592.99         | H               | 125                 | 311                        | 9.53            | 1 / 1          | 13.09                  | 22.62        | 0.183        | 33.01            | -10.40      |
|           | $\pi/2$ BPSK | 2541.00         | H               | 124                 | 326                        | 9.45            | 1 / 243        | 14.87                  | <b>24.32</b> | 0.271        | 33.01            | -8.69       |
|           | $\pi/2$ BPSK | 2592.99         | H               | 125                 | 311                        | 9.53            | 1 / 122        | 14.39                  | 23.91        | 0.246        | 33.01            | -9.10       |
|           | $\pi/2$ BPSK | 2644.98         | H               | 120                 | 309                        | 9.60            | 1 / 1          | 12.90                  | 22.50        | 0.178        | 33.01            | -10.51      |
|           | QPSK         | 2541.00         | H               | 124                 | 326                        | 9.45            | 1 / 243        | 14.13                  | 23.58        | 0.228        | 33.01            | -9.43       |
|           | QPSK         | 2592.99         | H               | 125                 | 311                        | 9.53            | 1 / 122        | 13.55                  | 23.08        | 0.203        | 33.01            | -9.93       |
| 80 MHz    | QPSK         | 2644.98         | H               | 120                 | 309                        | 9.60            | 1 / 1          | 11.93                  | 21.52        | 0.142        | 33.01            | -11.49      |
|           | 16-QAM       | 2541.00         | H               | 124                 | 326                        | 9.45            | 1 / 243        | 13.17                  | 22.61        | 0.183        | 33.01            | -10.40      |
|           | $\pi/2$ BPSK | 2536.02         | H               | 124                 | 326                        | 9.44            | 1 / 215        | 14.91                  | <b>24.35</b> | 0.272        | 33.01            | -8.66       |
|           | $\pi/2$ BPSK | 2592.99         | H               | 125                 | 311                        | 9.53            | 1 / 1          | 14.75                  | 24.28        | 0.268        | 33.01            | -8.73       |
|           | $\pi/2$ BPSK | 2649.99         | H               | 120                 | 309                        | 9.61            | 216 / 0        | 12.86                  | 22.47        | 0.177        | 33.01            | -10.54      |
|           | QPSK         | 2536.02         | H               | 124                 | 326                        | 9.44            | 1 / 215        | 14.40                  | 23.84        | 0.242        | 33.01            | -9.17       |
| 70 MHz    | QPSK         | 2592.99         | H               | 125                 | 311                        | 9.53            | 1 / 1          | 13.94                  | 23.47        | 0.222        | 33.01            | -9.54       |
|           | QPSK         | 2649.99         | H               | 120                 | 309                        | 9.61            | 1 / 108        | 11.67                  | 21.28        | 0.134        | 33.01            | -11.73      |
|           | 16-QAM       | 2536.02         | H               | 124                 | 326                        | 9.44            | 1 / 215        | 13.30                  | 22.74        | 0.188        | 33.01            | -10.27      |
|           | $\pi/2$ BPSK | 2531.01         | H               | 124                 | 326                        | 9.43            | 1 / 187        | 14.54                  | 23.98        | 0.250        | 33.01            | -9.03       |
|           | $\pi/2$ BPSK | 2592.99         | H               | 125                 | 311                        | 9.53            | 1 / 94         | 14.45                  | 23.98        | 0.250        | 33.01            | -9.03       |
|           | $\pi/2$ BPSK | 2655.00         | H               | 120                 | 309                        | 9.61            | 1 / 94         | 12.92                  | 22.54        | 0.179        | 33.01            | -10.47      |
| 60 MHz    | QPSK         | 2531.01         | H               | 124                 | 326                        | 9.43            | 1 / 187        | 14.18                  | 23.61        | 0.230        | 33.01            | -9.40       |
|           | QPSK         | 2592.99         | H               | 125                 | 311                        | 9.53            | 1 / 94         | 13.61                  | 23.13        | 0.206        | 33.01            | -9.88       |
|           | QPSK         | 2655.00         | H               | 120                 | 309                        | 9.61            | 1 / 94         | 11.43                  | 21.04        | 0.127        | 33.01            | -11.97      |
|           | 16-QAM       | 2531.01         | H               | 124                 | 326                        | 9.43            | 1 / 187        | 13.24                  | 22.68        | 0.185        | 33.01            | -10.33      |
|           | $\pi/2$ BPSK | 2526.00         | H               | 124                 | 326                        | 9.43            | 1 / 160        | 14.59                  | 24.02        | 0.252        | 33.01            | -8.99       |
|           | $\pi/2$ BPSK | 2592.99         | H               | 125                 | 311                        | 9.53            | 1 / 81         | 14.53                  | <b>24.06</b> | 0.255        | 33.01            | -8.95       |
| 50 MHz    | $\pi/2$ BPSK | 2659.98         | H               | 120                 | 309                        | 9.62            | 1 / 81         | 12.52                  | 22.14        | 0.164        | 33.01            | -10.87      |
|           | QPSK         | 2526.00         | H               | 124                 | 326                        | 9.43            | 1 / 160        | 13.87                  | 23.30        | 0.214        | 33.01            | -9.71       |
|           | QPSK         | 2592.99         | H               | 125                 | 311                        | 9.53            | 1 / 81         | 13.49                  | 23.01        | 0.200        | 33.01            | -10.00      |
|           | QPSK         | 2659.98         | H               | 120                 | 309                        | 9.62            | 1 / 81         | 11.74                  | 21.37        | 0.137        | 33.01            | -11.65      |
|           | 16-QAM       | 2592.99         | H               | 125                 | 311                        | 9.53            | 1 / 81         | 12.68                  | 22.21        | 0.166        | 33.01            | -10.80      |
|           | $\pi/2$ BPSK | 2521.02         | H               | 124                 | 326                        | 9.42            | 1 / 131        | 14.32                  | 23.74        | 0.237        | 33.01            | -9.27       |
| 45 MHz    | $\pi/2$ BPSK | 2592.99         | H               | 125                 | 311                        | 9.53            | 1 / 1          | 14.66                  | <b>24.18</b> | 0.262        | 33.01            | -8.83       |
|           | $\pi/2$ BPSK | 2664.99         | H               | 120                 | 309                        | 9.63            | 1 / 66         | 12.50                  | 22.13        | 0.163        | 33.01            | -10.88      |
|           | QPSK         | 2521.02         | H               | 124                 | 326                        | 9.42            | 1 / 131        | 13.57                  | 22.99        | 0.199        | 33.01            | -10.02      |
|           | QPSK         | 2592.99         | H               | 125                 | 311                        | 9.53            | 1 / 1          | 14.12                  | 23.65        | 0.232        | 33.01            | -9.36       |
|           | QPSK         | 2664.99         | H               | 120                 | 309                        | 9.63            | 1 / 66         | 11.78                  | 21.41        | 0.138        | 33.01            | -11.60      |
|           | 16-QAM       | 2592.99         | H               | 125                 | 311                        | 9.53            | 1 / 1          | 13.26                  | 22.79        | 0.190        | 33.01            | -10.22      |
| 40 MHz    | $\pi/2$ BPSK | 2518.50         | H               | 124                 | 326                        | 9.41            | 1 / 104        | 14.07                  | 23.48        | 0.223        | 33.01            | -9.53       |
|           | $\pi/2$ BPSK | 2592.99         | H               | 125                 | 311                        | 9.53            | 1 / 53         | 14.70                  | <b>24.22</b> | 0.265        | 33.01            | -8.79       |
|           | $\pi/2$ BPSK | 2667.50         | H               | 120                 | 309                        | 9.63            | 1 / 53         | 13.07                  | 22.71        | 0.187        | 33.01            | -10.30      |
|           | QPSK         | 2518.50         | H               | 124                 | 326                        | 9.41            | 1 / 104        | 13.13                  | 22.55        | 0.180        | 33.01            | -10.46      |
|           | QPSK         | 2592.99         | H               | 125                 | 311                        | 9.53            | 1 / 53         | 13.63                  | 23.16        | 0.207        | 33.01            | -9.85       |
|           | QPSK         | 2667.50         | H               | 120                 | 309                        | 9.63            | 1 / 53         | 12.15                  | 21.79        | 0.151        | 33.01            | -11.22      |
| 35 MHz    | 16-QAM       | 2592.99         | H               | 125                 | 311                        | 9.53            | 1 / 53         | 12.69                  | 22.21        | 0.167        | 33.01            | -10.80      |
|           | $\pi/2$ BPSK | 2516.01         | H               | 124                 | 326                        | 9.41            | 1 / 104        | 14.04                  | 23.45        | 0.221        | 33.01            | -9.56       |
|           | $\pi/2$ BPSK | 2592.99         | H               | 125                 | 311                        | 9.53            | 1 / 53         | 14.66                  | 24.19        | 0.262        | 33.01            | -8.82       |
|           | $\pi/2$ BPSK | 2670.00         | H               | 120                 | 309                        | 9.63            | 1 / 53         | 12.71                  | 22.35        | 0.172        | 33.01            | -10.66      |
|           | QPSK         | 2516.01         | H               | 124                 | 326                        | 9.41            | 1 / 104        | 12.88                  | 22.29        | 0.170        | 33.01            | -10.72      |
|           | QPSK         | 2592.99         | H               | 125                 | 311                        | 9.53            | 1 / 53         | 13.67                  | 23.20        | 0.209        | 33.01            | -9.81       |
| 30 MHz    | QPSK         | 2670.00         | H               | 120                 | 309                        | 9.63            | 1 / 53         | 11.91                  | 21.54        | 0.143        | 33.01            | -11.47      |
|           | 16-QAM       | 2592.99         | H               | 125                 | 311                        | 9.53            | 1 / 53         | 12.74                  | 22.27        | 0.169        | 33.01            | -10.74      |
|           | $\pi/2$ BPSK | 2513.52         | H               | 124                 | 326                        | 9.40            | 1 / 39         | 14.44                  | 23.85        | 0.243        | 33.01            | -9.16       |
|           | $\pi/2$ BPSK | 2592.99         | H               | 125                 | 311                        | 9.53            | 1 / 1          | 14.52                  | 24.05        | 0.254        | 33.01            | -8.96       |
|           | $\pi/2$ BPSK | 2672.49         | H               | 120                 | 309                        | 9.64            | 1 / 1          | 12.79                  | 22.44        | 0.175        | 33.01            | -10.57      |
|           | QPSK         | 2513.52         | H               | 124                 | 326                        | 9.40            | 1 / 39         | 13.49                  | 22.90        | 0.195        | 33.01            | -10.11      |
| 25 MHz    | QPSK         | 2592.99         | H               | 125                 | 311                        | 9.53            | 1 / 39         | 13.91                  | 23.44        | 0.221        | 33.01            | -9.57       |
|           | QPSK         | 2672.49         | H               | 120                 | 309                        | 9.64            | 1 / 1          | 11.77                  | 21.41        | 0.138        | 33.01            | -11.60      |
|           | 16-QAM       | 2592.99         | H               | 125                 | 311                        | 9.53            | 1 / 39         | 12.75                  | 22.28        | 0.169        | 33.01            | -10.73      |
|           |              |                 |                 |                     |                            |                 |                |                        |              |              |                  |             |

Table 7-42. EIRP Data (NR Band n41 – Ant F - Default)

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 150 of 186                   |

|         |                      |         |   |     |     |      |        |       |              |       |       |        |
|---------|----------------------|---------|---|-----|-----|------|--------|-------|--------------|-------|-------|--------|
| 30 MHz  | $\pi/2$ BPSK         | 2511.00 | H | 124 | 326 | 9.40 | 1 / 39 | 14.21 | 23.61        | 0.230 | 33.01 | -9.40  |
|         | $\pi/2$ BPSK         | 2592.99 | H | 125 | 311 | 9.53 | 1 / 1  | 14.83 | <b>24.35</b> | 0.273 | 33.01 | -8.66  |
|         | $\pi/2$ BPSK         | 2674.98 | H | 120 | 309 | 9.64 | 1 / 1  | 13.27 | 22.91        | 0.196 | 33.01 | -10.10 |
|         | QPSK                 | 2511.00 | H | 124 | 326 | 9.40 | 1 / 39 | 12.70 | 22.10        | 0.162 | 33.01 | -10.91 |
|         | QPSK                 | 2592.99 | H | 125 | 311 | 9.53 | 1 / 1  | 14.24 | 23.76        | 0.238 | 33.01 | -9.25  |
|         | QPSK                 | 2674.98 | H | 120 | 309 | 9.64 | 1 / 1  | 12.15 | 21.79        | 0.151 | 33.01 | -11.22 |
| 25 MHz  | 16-QAM               | 2592.99 | H | 125 | 311 | 9.53 | 1 / 1  | 13.40 | 22.93        | 0.196 | 33.01 | -10.08 |
|         | $\pi/2$ BPSK         | 2508.51 | H | 124 | 326 | 9.40 | 1 / 25 | 14.41 | 23.80        | 0.240 | 33.01 | -9.21  |
|         | $\pi/2$ BPSK         | 2592.99 | H | 125 | 311 | 9.53 | 1 / 1  | 14.85 | <b>24.37</b> | 0.274 | 33.01 | -8.64  |
|         | $\pi/2$ BPSK         | 2677.50 | H | 120 | 309 | 9.65 | 1 / 1  | 13.08 | 22.73        | 0.187 | 33.01 | -10.29 |
|         | QPSK                 | 2508.51 | H | 124 | 326 | 9.40 | 1 / 25 | 13.25 | 22.65        | 0.184 | 33.01 | -10.36 |
|         | QPSK                 | 2592.99 | H | 125 | 311 | 9.53 | 1 / 1  | 14.26 | 23.78        | 0.239 | 33.01 | -9.23  |
| 20 MHz  | QPSK                 | 2677.50 | H | 120 | 309 | 9.65 | 1 / 1  | 11.98 | 21.63        | 0.146 | 33.01 | -11.38 |
|         | 16-QAM               | 2592.99 | H | 125 | 311 | 9.53 | 1 / 1  | 13.43 | 22.96        | 0.198 | 33.01 | -10.05 |
|         | $\pi/2$ BPSK         | 2506.02 | H | 124 | 326 | 9.40 | 1 / 25 | 14.06 | 23.46        | 0.222 | 33.01 | -9.55  |
|         | $\pi/2$ BPSK         | 2592.99 | H | 125 | 311 | 9.53 | 1 / 1  | 14.85 | 24.37        | 0.274 | 33.01 | -8.64  |
|         | $\pi/2$ BPSK         | 2679.99 | H | 120 | 309 | 9.65 | 1 / 1  | 12.51 | 22.16        | 0.165 | 33.01 | -10.85 |
|         | QPSK                 | 2506.02 | H | 124 | 326 | 9.40 | 1 / 25 | 13.07 | 22.46        | 0.176 | 33.01 | -10.55 |
| 15 MHz  | QPSK                 | 2592.99 | H | 125 | 311 | 9.53 | 1 / 1  | 14.42 | 23.94        | 0.248 | 33.01 | -9.07  |
|         | QPSK                 | 2679.99 | H | 120 | 309 | 9.65 | 1 / 1  | 11.69 | 21.34        | 0.136 | 33.01 | -11.67 |
|         | 16-QAM               | 2592.99 | H | 125 | 311 | 9.53 | 1 / 1  | 13.28 | 22.80        | 0.191 | 33.01 | -10.21 |
|         | $\pi/2$ BPSK         | 2506.02 | H | 124 | 326 | 9.40 | 1 / 49 | 14.31 | 23.71        | 0.235 | 33.01 | -9.30  |
|         | $\pi/2$ BPSK         | 2592.99 | H | 125 | 311 | 9.53 | 1 / 1  | 14.78 | 24.30        | 0.269 | 33.01 | -8.71  |
|         | $\pi/2$ BPSK         | 2679.99 | H | 120 | 309 | 9.65 | 1 / 1  | 12.79 | 22.44        | 0.175 | 33.01 | -10.57 |
| 10 MHz  | QPSK                 | 2506.02 | H | 124 | 326 | 9.40 | 1 / 18 | 13.09 | 22.49        | 0.177 | 33.01 | -10.52 |
|         | QPSK                 | 2592.99 | H | 125 | 311 | 9.53 | 1 / 1  | 13.68 | 23.20        | 0.209 | 33.01 | -9.81  |
|         | QPSK                 | 2679.99 | H | 120 | 309 | 9.65 | 1 / 18 | 11.76 | 21.41        | 0.138 | 33.01 | -11.60 |
|         | 16-QAM               | 2592.99 | H | 125 | 311 | 9.53 | 1 / 1  | 12.85 | 22.38        | 0.173 | 33.01 | -10.63 |
|         | $\pi/2$ BPSK         | 2506.02 | H | 124 | 326 | 9.40 | 1 / 49 | 14.01 | 23.41        | 0.219 | 33.01 | -9.60  |
|         | $\pi/2$ BPSK         | 2592.99 | H | 125 | 311 | 9.53 | 1 / 1  | 14.66 | 24.19        | 0.262 | 33.01 | -8.82  |
| 100 MHz | $\pi/2$ BPSK         | 2679.99 | H | 120 | 309 | 9.65 | 1 / 1  | 12.47 | 22.12        | 0.163 | 33.01 | -10.89 |
|         | QPSK                 | 2506.02 | H | 124 | 326 | 9.40 | 1 / 49 | 12.61 | 22.01        | 0.159 | 33.01 | -11.00 |
|         | QPSK                 | 2592.99 | H | 125 | 311 | 9.53 | 1 / 25 | 13.57 | 23.10        | 0.204 | 33.01 | -9.91  |
|         | QPSK                 | 2679.99 | H | 120 | 309 | 9.65 | 1 / 1  | 11.12 | 20.77        | 0.119 | 33.01 | -12.24 |
| 100 MHz | 16-QAM               | 2592.99 | H | 125 | 311 | 9.53 | 1 / 25 | 12.75 | 22.27        | 0.169 | 33.01 | -10.74 |
|         | QPSK (CP-OFDM)       | 2592.99 | H | 122 | 313 | 9.53 | 1 / 1  | 12.58 | 22.11        | 0.162 | 33.01 | -10.91 |
|         | QPSK (Opposite Pol.) | 2592.99 | V | 152 | 32  | 9.53 | 1 / 1  | 12.51 | 22.04        | 0.160 | 33.01 | -10.98 |
| 100 MHz | QPSK (WCP)           | 2592.99 | H | 122 | 312 | 9.53 | 1 / 1  | 14.31 | 23.84        | 0.242 | 33.01 | -9.18  |

Table 7-43. EIRP Data (NR Band n41 – Ant F - Default)

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07-A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 151 of 186                   |

| Bandwidth | Mod.         | Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Ant. Gain [dBi] | RB Size/Offset | Substitute Level [dBm] | EIRP [dBm]   | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|--------------|-----------------|-----------------|---------------------|----------------------------|-----------------|----------------|------------------------|--------------|--------------|------------------|-------------|
| 100 MHz   | $\pi/2$ BPSK | 2546.01         | H               | 104                 | 163                        | 9.46            | 270 / 0        | 13.84                  | 23.30        | 0.214        | 33.01            | -9.71       |
|           | $\pi/2$ BPSK | 2592.99         | H               | 104                 | 162                        | 9.53            | 270 / 0        | 13.98                  | 23.51        | 0.224        | 33.01            | -9.51       |
|           | $\pi/2$ BPSK | 2640.00         | H               | 103                 | 177                        | 9.59            | 1 / 1          | 14.95                  | 24.54        | 0.285        | 33.01            | -8.47       |
|           | QPSK         | 2546.01         | H               | 104                 | 163                        | 9.46            | 270 / 0        | 13.85                  | 23.31        | 0.214        | 33.01            | -9.70       |
|           | QPSK         | 2592.99         | H               | 104                 | 162                        | 9.53            | 1 / 1          | 13.93                  | 23.46        | 0.222        | 33.01            | -9.56       |
|           | QPSK         | 2640.00         | H               | 103                 | 177                        | 9.59            | 1 / 1          | 15.02                  | <b>24.61</b> | 0.289        | 33.01            | -8.40       |
|           | 16-QAM       | 2640.00         | H               | 103                 | 177                        | 9.59            | 1 / 1          | 14.33                  | 23.92        | 0.247        | 33.01            | -9.09       |
| 90 MHz    | $\pi/2$ BPSK | 2541.00         | H               | 104                 | 163                        | 9.45            | 243 / 0        | 13.76                  | 23.21        | 0.209        | 33.01            | -9.80       |
|           | $\pi/2$ BPSK | 2592.99         | H               | 104                 | 162                        | 9.53            | 243 / 0        | 13.95                  | 23.47        | 0.222        | 33.01            | -9.54       |
|           | $\pi/2$ BPSK | 2644.98         | H               | 103                 | 177                        | 9.60            | 243 / 0        | 14.94                  | <b>24.54</b> | 0.284        | 33.01            | -8.47       |
|           | QPSK         | 2541.00         | H               | 104                 | 163                        | 9.45            | 1 / 122        | 14.05                  | 23.50        | 0.224        | 33.01            | -9.51       |
|           | QPSK         | 2592.99         | H               | 104                 | 162                        | 9.53            | 1 / 1          | 13.84                  | 23.37        | 0.217        | 33.01            | -9.64       |
|           | QPSK         | 2644.98         | H               | 103                 | 177                        | 9.60            | 243 / 0        | 14.42                  | 24.02        | 0.252        | 33.01            | -8.99       |
|           | 16-QAM       | 2644.98         | H               | 103                 | 177                        | 9.60            | 243 / 0        | 14.00                  | 23.60        | 0.229        | 33.01            | -9.41       |
| 80 MHz    | $\pi/2$ BPSK | 2536.02         | H               | 104                 | 163                        | 9.44            | 216 / 0        | 13.95                  | 23.39        | 0.218        | 33.01            | -9.62       |
|           | $\pi/2$ BPSK | 2592.99         | H               | 104                 | 162                        | 9.53            | 216 / 0        | 14.05                  | 23.58        | 0.228        | 33.01            | -9.43       |
|           | $\pi/2$ BPSK | 2649.99         | H               | 103                 | 177                        | 9.61            | 216 / 0        | 15.09                  | <b>24.69</b> | 0.295        | 33.01            | -8.32       |
|           | QPSK         | 2536.02         | H               | 104                 | 163                        | 9.44            | 216 / 0        | 13.76                  | 23.20        | 0.209        | 33.01            | -9.81       |
|           | QPSK         | 2592.99         | H               | 104                 | 162                        | 9.53            | 1 / 1          | 14.00                  | 23.52        | 0.225        | 33.01            | -9.49       |
|           | QPSK         | 2649.99         | H               | 103                 | 177                        | 9.61            | 216 / 0        | 14.72                  | 24.33        | 0.271        | 33.01            | -8.68       |
|           | 16-QAM       | 2649.99         | H               | 103                 | 177                        | 9.61            | 216 / 0        | 14.06                  | 23.66        | 0.232        | 33.01            | -9.35       |
| 70 MHz    | $\pi/2$ BPSK | 2531.01         | H               | 104                 | 163                        | 9.43            | 180 / 0        | 13.79                  | 23.22        | 0.210        | 33.01            | -9.79       |
|           | $\pi/2$ BPSK | 2592.99         | H               | 104                 | 162                        | 9.53            | 180 / 0        | 14.01                  | 23.53        | 0.225        | 33.01            | -9.48       |
|           | $\pi/2$ BPSK | 2655.00         | H               | 103                 | 177                        | 9.61            | 180 / 0        | 14.71                  | 24.33        | 0.271        | 33.01            | -8.68       |
|           | QPSK         | 2531.01         | H               | 104                 | 163                        | 9.43            | 180 / 0        | 13.77                  | 23.20        | 0.209        | 33.01            | -9.81       |
|           | QPSK         | 2592.99         | H               | 104                 | 162                        | 9.53            | 180 / 0        | 13.68                  | 23.20        | 0.209        | 33.01            | -9.81       |
|           | QPSK         | 2655.00         | H               | 103                 | 177                        | 9.61            | 180 / 0        | 14.89                  | 24.50        | 0.282        | 33.01            | -8.51       |
|           | 16-QAM       | 2655.00         | H               | 103                 | 177                        | 9.61            | 180 / 0        | 14.24                  | 23.85        | 0.243        | 33.01            | -9.16       |
| 60 MHz    | $\pi/2$ BPSK | 2526.00         | H               | 104                 | 163                        | 9.43            | 1 / 160        | 14.11                  | 23.53        | 0.226        | 33.01            | -9.48       |
|           | $\pi/2$ BPSK | 2592.99         | H               | 104                 | 162                        | 9.53            | 162 / 0        | 14.00                  | 23.53        | 0.225        | 33.01            | -9.48       |
|           | $\pi/2$ BPSK | 2659.98         | H               | 103                 | 177                        | 9.62            | 162 / 0        | 14.63                  | <b>24.25</b> | 0.266        | 33.01            | -8.76       |
|           | QPSK         | 2526.00         | H               | 104                 | 163                        | 9.43            | 1 / 160        | 13.77                  | 23.20        | 0.209        | 33.01            | -9.81       |
|           | QPSK         | 2592.99         | H               | 104                 | 162                        | 9.53            | 162 / 0        | 13.54                  | 23.06        | 0.202        | 33.01            | -9.95       |
|           | QPSK         | 2659.98         | H               | 103                 | 177                        | 9.62            | 162 / 0        | 13.93                  | 23.55        | 0.226        | 33.01            | -9.46       |
|           | 16-QAM       | 2659.98         | H               | 103                 | 177                        | 9.62            | 162 / 0        | 13.27                  | 22.89        | 0.194        | 33.01            | -10.12      |
| 50 MHz    | $\pi/2$ BPSK | 2521.02         | H               | 104                 | 163                        | 9.42            | 128 / 0        | 13.68                  | 23.10        | 0.204        | 33.01            | -9.91       |
|           | $\pi/2$ BPSK | 2592.99         | H               | 104                 | 162                        | 9.53            | 128 / 0        | 14.21                  | 23.74        | 0.236        | 33.01            | -9.27       |
|           | $\pi/2$ BPSK | 2664.99         | H               | 103                 | 177                        | 9.63            | 128 / 0        | 14.74                  | <b>24.37</b> | 0.274        | 33.01            | -8.64       |
|           | QPSK         | 2521.02         | H               | 104                 | 163                        | 9.42            | 1 / 131        | 13.92                  | 23.34        | 0.216        | 33.01            | -9.67       |
|           | QPSK         | 2592.99         | H               | 104                 | 162                        | 9.53            | 128 / 0        | 13.72                  | 23.25        | 0.211        | 33.01            | -9.76       |
|           | QPSK         | 2664.99         | H               | 103                 | 177                        | 9.63            | 128 / 0        | 14.60                  | 24.22        | 0.264        | 33.01            | -8.79       |
|           | 16-QAM       | 2664.99         | H               | 103                 | 177                        | 9.63            | 128 / 0        | 14.10                  | 23.72        | 0.236        | 33.01            | -9.29       |
| 45 MHz    | $\pi/2$ BPSK | 2518.50         | H               | 104                 | 163                        | 9.41            | 1 / 53         | 13.96                  | 23.37        | 0.217        | 33.01            | -9.64       |
|           | $\pi/2$ BPSK | 2592.99         | H               | 104                 | 162                        | 9.53            | 1 / 104        | 14.35                  | 23.88        | 0.244        | 33.01            | -9.13       |
|           | $\pi/2$ BPSK | 2667.50         | H               | 103                 | 177                        | 9.63            | 1 / 53         | 14.85                  | 24.49        | 0.281        | 33.01            | -8.52       |
|           | QPSK         | 2518.50         | H               | 104                 | 163                        | 9.41            | 1 / 53         | 14.25                  | 23.67        | 0.233        | 33.01            | -9.34       |
|           | QPSK         | 2592.99         | H               | 104                 | 162                        | 9.53            | 1 / 104        | 13.84                  | 23.36        | 0.217        | 33.01            | -9.65       |
|           | QPSK         | 2667.50         | H               | 103                 | 177                        | 9.63            | 100 / 0        | 14.81                  | 24.45        | 0.278        | 33.01            | -8.56       |
|           | 16-QAM       | 2667.50         | H               | 103                 | 177                        | 9.63            | 100 / 0        | 14.58                  | 24.21        | 0.264        | 33.01            | -8.80       |
| 40 MHz    | $\pi/2$ BPSK | 2516.01         | H               | 104                 | 163                        | 9.41            | 100 / 0        | 13.97                  | 23.38        | 0.218        | 33.01            | -9.63       |
|           | $\pi/2$ BPSK | 2592.99         | H               | 104                 | 162                        | 9.53            | 100 / 0        | 14.45                  | 23.98        | 0.250        | 33.01            | -9.03       |
|           | $\pi/2$ BPSK | 2670.00         | H               | 103                 | 177                        | 9.63            | 100 / 0        | 15.35                  | <b>24.98</b> | 0.315        | 33.01            | -8.03       |
|           | QPSK         | 2516.01         | H               | 104                 | 163                        | 9.41            | 1 / 104        | 14.08                  | 23.49        | 0.223        | 33.01            | -9.52       |
|           | QPSK         | 2592.99         | H               | 104                 | 162                        | 9.53            | 100 / 0        | 13.95                  | 23.48        | 0.223        | 33.01            | -9.53       |
|           | QPSK         | 2670.00         | H               | 103                 | 177                        | 9.63            | 100 / 0        | 15.01                  | 24.64        | 0.291        | 33.01            | -8.37       |
|           | 16-QAM       | 2670.00         | H               | 103                 | 177                        | 9.63            | 100 / 0        | 14.33                  | 23.97        | 0.249        | 33.01            | -9.04       |
| 35 MHz    | $\pi/2$ BPSK | 2513.52         | H               | 104                 | 163                        | 9.40            | 1 / 39         | 13.67                  | 23.07        | 0.203        | 33.01            | -9.94       |
|           | $\pi/2$ BPSK | 2592.99         | H               | 104                 | 162                        | 9.53            | 1 / 76         | 13.98                  | 23.51        | 0.224        | 33.01            | -9.50       |
|           | $\pi/2$ BPSK | 2672.49         | H               | 103                 | 177                        | 9.64            | 1 / 1          | 14.93                  | 24.57        | 0.286        | 33.01            | -8.44       |
|           | QPSK         | 2513.52         | H               | 104                 | 163                        | 9.40            | 1 / 39         | 13.86                  | 23.26        | 0.212        | 33.01            | -9.75       |
|           | QPSK         | 2592.99         | H               | 104                 | 162                        | 9.53            | 1 / 76         | 13.62                  | 23.14        | 0.206        | 33.01            | -9.87       |
|           | QPSK         | 2672.49         | H               | 103                 | 177                        | 9.64            | 1 / 1          | 14.71                  | 24.36        | 0.273        | 33.01            | -8.65       |
|           | 16-QAM       | 2672.49         | H               | 103                 | 177                        | 9.64            | 1 / 1          | 14.14                  | 23.78        | 0.239        | 33.01            | -9.23       |

Table 7-44. EIRP Data (NR Band n41 – Ant B - Switching)

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 152 of 186                   |



|         |                      |         |   |     |     |      |        |       |       |       |       |        |
|---------|----------------------|---------|---|-----|-----|------|--------|-------|-------|-------|-------|--------|
| 30 MHz  | $\pi/2$ BPSK         | 2511.00 | H | 104 | 163 | 9.40 | 75 / 0 | 13.72 | 23.13 | 0.205 | 33.01 | -9.88  |
|         | $\pi/2$ BPSK         | 2592.99 | H | 104 | 162 | 9.53 | 75 / 0 | 14.26 | 23.78 | 0.239 | 33.01 | -9.23  |
|         | $\pi/2$ BPSK         | 2674.98 | H | 103 | 177 | 9.64 | 75 / 0 | 15.19 | 24.83 | 0.304 | 33.01 | -8.18  |
|         | QPSK                 | 2511.00 | H | 104 | 163 | 9.40 | 75 / 0 | 13.51 | 22.91 | 0.195 | 33.01 | -10.10 |
|         | QPSK                 | 2592.99 | H | 104 | 162 | 9.53 | 75 / 0 | 14.02 | 23.54 | 0.226 | 33.01 | -9.47  |
|         | QPSK                 | 2674.98 | H | 103 | 177 | 9.64 | 75 / 0 | 15.49 | 25.14 | 0.326 | 33.01 | -7.87  |
| 25 MHz  | 16-QAM               | 2674.98 | H | 103 | 177 | 9.64 | 75 / 0 | 14.00 | 23.64 | 0.231 | 33.01 | -9.37  |
|         | $\pi/2$ BPSK         | 2508.51 | H | 104 | 163 | 9.40 | 1 / 25 | 13.74 | 23.13 | 0.206 | 33.01 | -9.88  |
|         | $\pi/2$ BPSK         | 2592.99 | H | 104 | 162 | 9.53 | 1 / 49 | 14.42 | 23.94 | 0.248 | 33.01 | -9.07  |
|         | $\pi/2$ BPSK         | 2677.50 | H | 103 | 177 | 9.65 | 1 / 25 | 15.22 | 24.86 | 0.307 | 33.01 | -8.15  |
|         | QPSK                 | 2508.51 | H | 104 | 163 | 9.40 | 1 / 25 | 13.77 | 23.17 | 0.207 | 33.01 | -9.84  |
|         | QPSK                 | 2592.99 | H | 104 | 162 | 9.53 | 1 / 49 | 13.79 | 23.32 | 0.215 | 33.01 | -9.69  |
| 20 MHz  | QPSK                 | 2677.50 | H | 103 | 177 | 9.65 | 1 / 25 | 14.76 | 24.41 | 0.276 | 33.01 | -8.60  |
|         | 16-QAM               | 2677.50 | H | 103 | 177 | 9.65 | 1 / 25 | 14.11 | 23.76 | 0.238 | 33.01 | -9.25  |
|         | $\pi/2$ BPSK         | 2506.02 | H | 104 | 163 | 9.40 | 50 / 0 | 13.70 | 23.10 | 0.204 | 33.01 | -9.91  |
|         | $\pi/2$ BPSK         | 2592.99 | H | 104 | 162 | 9.53 | 50 / 0 | 14.27 | 23.80 | 0.240 | 33.01 | -9.21  |
|         | $\pi/2$ BPSK         | 2679.99 | H | 103 | 177 | 9.65 | 50 / 0 | 15.21 | 24.85 | 0.306 | 33.01 | -8.16  |
|         | QPSK                 | 2506.02 | H | 104 | 163 | 9.40 | 50 / 0 | 13.69 | 23.09 | 0.204 | 33.01 | -9.92  |
| 15 MHz  | QPSK                 | 2592.99 | H | 104 | 162 | 9.53 | 50 / 0 | 13.75 | 23.28 | 0.213 | 33.01 | -9.73  |
|         | QPSK                 | 2679.99 | H | 103 | 177 | 9.65 | 50 / 0 | 14.77 | 24.42 | 0.277 | 33.01 | -8.59  |
|         | 16-QAM               | 2679.99 | H | 103 | 177 | 9.65 | 50 / 0 | 14.23 | 23.88 | 0.244 | 33.01 | -9.13  |
|         | $\pi/2$ BPSK         | 2503.50 | H | 104 | 163 | 9.40 | 50 / 0 | 13.69 | 23.09 | 0.204 | 33.01 | -9.92  |
|         | $\pi/2$ BPSK         | 2592.99 | H | 104 | 162 | 9.53 | 50 / 0 | 14.36 | 23.88 | 0.245 | 33.01 | -9.13  |
|         | $\pi/2$ BPSK         | 2682.50 | H | 103 | 177 | 9.65 | 50 / 0 | 15.12 | 24.77 | 0.300 | 33.01 | -8.24  |
| 10 MHz  | QPSK                 | 2503.50 | H | 104 | 163 | 9.40 | 1 / 18 | 14.07 | 23.46 | 0.222 | 33.01 | -9.55  |
|         | QPSK                 | 2592.99 | H | 104 | 162 | 9.53 | 50 / 0 | 14.08 | 23.61 | 0.230 | 33.01 | -9.40  |
|         | QPSK                 | 2682.50 | H | 103 | 177 | 9.65 | 1 / 18 | 14.81 | 24.46 | 0.279 | 33.01 | -8.55  |
|         | 16-QAM               | 2682.50 | H | 103 | 177 | 9.65 | 50 / 0 | 14.27 | 23.92 | 0.247 | 33.01 | -9.09  |
|         | $\pi/2$ BPSK         | 2501.00 | H | 104 | 163 | 9.40 | 50 / 0 | 13.80 | 23.20 | 0.209 | 33.01 | -9.81  |
|         | $\pi/2$ BPSK         | 2592.99 | H | 104 | 162 | 9.53 | 1 / 1  | 14.39 | 23.91 | 0.246 | 33.01 | -9.10  |
| 100 MHz | $\pi/2$ BPSK         | 2685.00 | H | 103 | 177 | 9.65 | 50 / 0 | 14.96 | 24.61 | 0.289 | 33.01 | -8.40  |
|         | QPSK                 | 2501.00 | H | 104 | 163 | 9.40 | 1 / 1  | 13.71 | 23.10 | 0.204 | 33.01 | -9.91  |
|         | QPSK                 | 2592.99 | H | 104 | 162 | 9.53 | 50 / 0 | 14.01 | 23.54 | 0.226 | 33.01 | -9.47  |
|         | QPSK                 | 2685.00 | H | 103 | 177 | 9.65 | 1 / 1  | 14.68 | 24.33 | 0.271 | 33.01 | -8.68  |
|         | 16-QAM               | 2685.00 | H | 103 | 177 | 9.65 | 50 / 0 | 14.32 | 23.96 | 0.249 | 33.01 | -9.05  |
|         | QPSK (CP-OFDM)       | 2640.00 | H | 103 | 174 | 9.53 | 1 / 1  | 13.90 | 23.43 | 0.220 | 33.01 | -9.59  |
| 100 MHz | QPSK (Opposite Pol.) | 2640.00 | V | 123 | 281 | 9.53 | 1 / 1  | 12.59 | 22.12 | 0.163 | 33.01 | -10.90 |
|         | QPSK (WCP)           | 2640.00 | H | 105 | 171 | 9.46 | 1/1    | 12.72 | 22.18 | 0.165 | 33.01 | -10.83 |

Table 7-45. EIRP Data (NR Band n41 – Ant B - Switching)

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 153 of 186                   |

| Bandwidth | Mod.                 | Frequency [MHz] | Ant. Pol. [H/V] | EUT Pol. | Antenna Height [cm] | Turntable Azimuth [degree] | Ant. Gain [dBi] | RB Size/Offset | Substitute Level [dBm] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|----------------------|-----------------|-----------------|----------|---------------------|----------------------------|-----------------|----------------|------------------------|------------|--------------|------------------|-------------|
| 100 MHz   | $\pi/2$ BPSK         | 2546.01         | H               | X        | 114                 | 122                        | 9.46            | 1 / 136        | 11.55                  | 21.01      | 0.126        | 33.01            | -12.00      |
|           | $\pi/2$ BPSK         | 2592.99         | H               | X        | 122                 | 126                        | 9.53            | 1 / 1          | 11.83                  | 21.36      | 0.137        | 33.01            | -11.66      |
|           | $\pi/2$ BPSK         | 2640.00         | H               | X        | 112                 | 122                        | 9.59            | 1 / 1          | 10.05                  | 19.64      | 0.092        | 33.01            | -13.37      |
|           | QPSK                 | 2546.01         | H               | X        | 114                 | 122                        | 9.46            | 1 / 136        | 10.86                  | 20.32      | 0.108        | 33.01            | -12.69      |
|           | QPSK                 | 2592.99         | H               | X        | 122                 | 126                        | 9.53            | 1 / 1          | 11.87                  | 21.40      | 0.138        | 33.01            | -11.62      |
|           | QPSK                 | 2640.00         | H               | X        | 112                 | 122                        | 9.59            | 1 / 1          | 9.39                   | 18.98      | 0.079        | 33.01            | -14.03      |
| 100 MHz   | 16-QAM               | 2592.99         | H               | X        | 122                 | 126                        | 9.53            | 1 / 1          | 11.27                  | 20.80      | 0.120        | 33.01            | -12.22      |
|           | QPSK (CP-OFDM)       | 2593.0          | H               | X        | 123                 | 121                        | 9.53            | 1 / 1          | 10.11                  | 19.64      | 0.092        | 33.01            | -13.38      |
|           | QPSK (Opposite Pol.) | 2593.0          | V               | Y        | 140                 | 251                        | 9.53            | 1 / 1          | 10.95                  | 20.48      | 0.112        | 33.01            | -12.54      |
|           | QPSK (WCP)           | 2593.0          | H               | X        | 122                 | 125                        | 9.53            | 1 / 1          | 11.47                  | 21.00      | 0.126        | 33.01            | -12.02      |

Table 7-46. EIRP Data (NR Band n41 – Ant B - Default)

| Bandwidth | Mod.                 | Frequency [MHz] | Ant. Pol. [H/V] | EUT Pol. | Antenna Height [cm] | Turntable Azimuth [degree] | Ant. Gain [dBi] | RB Size/Offset | Substitute Level [dBm] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|----------------------|-----------------|-----------------|----------|---------------------|----------------------------|-----------------|----------------|------------------------|------------|--------------|------------------|-------------|
| 100 MHz   | $\pi/2$ BPSK         | 2546.01         | H               | X        | 104                 | 324                        | 9.46            | 270 / 0        | 9.51                   | 18.97      | 0.079        | 33.01            | -14.04      |
|           | $\pi/2$ BPSK         | 2592.99         | H               | X        | 121                 | 317                        | 9.53            | 270 / 0        | 9.18                   | 18.71      | 0.074        | 33.01            | -14.31      |
|           | $\pi/2$ BPSK         | 2640.00         | H               | X        | 103                 | 311                        | 9.59            | 270 / 0        | 9.43                   | 19.02      | 0.080        | 33.01            | -13.99      |
|           | QPSK                 | 2546.01         | H               | X        | 104                 | 324                        | 9.46            | 270 / 0        | 9.61                   | 19.07      | 0.081        | 33.01            | -13.94      |
|           | QPSK                 | 2592.99         | H               | X        | 121                 | 317                        | 9.53            | 270 / 0        | 9.17                   | 18.70      | 0.074        | 33.01            | -14.32      |
|           | QPSK                 | 2640.00         | H               | X        | 103                 | 311                        | 9.59            | 270 / 0        | 9.20                   | 18.79      | 0.076        | 33.01            | -14.22      |
| 100 MHz   | 16-QAM               | 2592.99         | H               | X        | 121                 | 317                        | 9.53            | 270 / 0        | 9.17                   | 18.70      | 0.074        | 33.01            | -14.32      |
|           | QPSK (CP-OFDM)       | 2546.0          | H               | X        | 108                 | 322                        | 9.46            | 270 / 0        | 7.92                   | 17.38      | 0.055        | 33.01            | -15.63      |
|           | QPSK (Opposite Pol.) | 2546.0          | V               | X        | 150                 | 39                         | 9.46            | 270 / 0        | 8.18                   | 17.64      | 0.058        | 33.01            | -15.37      |
|           | QPSK (WCP)           | 2546.0          | H               | X        | 107                 | 326                        | 9.46            | 270 / 0        | 8.41                   | 17.87      | 0.061        | 33.01            | -15.14      |

Table 7-47. EIRP Data (NR Band n41 – Ant F- Switching)

| Bandwidth | Mod.                 | Frequency [MHz] | Ant. Pol. [H/V] | EUT Pol. | Antenna Height [cm] | Turntable Azimuth [degree] | Ant. Gain [dBi] | RB Size/Offset | Substitute Level [dBm] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|----------------------|-----------------|-----------------|----------|---------------------|----------------------------|-----------------|----------------|------------------------|------------|--------------|------------------|-------------|
| 100 MHz   | $\pi/2$ BPSK         | 2546.01         | H               | X        | 127                 | 235                        | 9.46            | 1 / 136        | 10.70                  | 20.16      | 0.104        | 33.01            | -12.85      |
|           | $\pi/2$ BPSK         | 2592.99         | H               | X        | 135                 | 226                        | 9.53            | 1 / 1          | 10.84                  | 20.37      | 0.109        | 33.01            | -12.65      |
|           | $\pi/2$ BPSK         | 2640.00         | H               | X        | 132                 | 231                        | 9.59            | 1 / 1          | 9.48                   | 19.07      | 0.081        | 33.01            | -13.94      |
|           | QPSK                 | 2546.01         | H               | X        | 127                 | 235                        | 9.46            | 1 / 136        | 10.25                  | 19.71      | 0.093        | 33.01            | -13.30      |
|           | QPSK                 | 2592.99         | H               | X        | 135                 | 226                        | 9.53            | 1 / 1          | 10.68                  | 20.21      | 0.105        | 33.01            | -12.81      |
|           | QPSK                 | 2640.00         | H               | X        | 132                 | 231                        | 9.59            | 1 / 1          | 9.20                   | 18.79      | 0.076        | 33.01            | -14.22      |
| 100 MHz   | 16-QAM               | 2592.99         | H               | X        | 135                 | 226                        | 9.53            | 1 / 1          | 9.97                   | 19.50      | 0.089        | 33.01            | -13.52      |
|           | QPSK (CP-OFDM)       | 2593.0          | H               | X        | 134                 | 226                        | 9.53            | 1 / 1          | 9.66                   | 19.19      | 0.083        | 33.01            | -13.83      |
|           | QPSK (Opposite Pol.) | 2593.0          | V               | Y        | 100                 | 268                        | 9.53            | 1 / 1          | 8.31                   | 17.84      | 0.061        | 33.01            | -15.18      |
|           | QPSK (WCP)           | 2593.0          | H               | X        | 134                 | 226                        | 9.53            | 1 / 1          | 10.43                  | 19.96      | 0.099        | 33.01            | -13.06      |

Table 7-48. EIRP Data (NR Band n41 – Ant E - Default)

| Bandwidth | Mod.                 | Frequency [MHz] | Ant. Pol. [H/V] | EUT Pol. | Antenna Height [cm] | Turntable Azimuth [degree] | Ant. Gain [dBi] | RB Size/Offset | Substitute Level [dBm] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|----------------------|-----------------|-----------------|----------|---------------------|----------------------------|-----------------|----------------|------------------------|------------|--------------|------------------|-------------|
| 100 MHz   | $\pi/2$ BPSK         | 2546.01         | H               | Z        | 100                 | 37                         | 9.46            | 270 / 0        | 7.51                   | 16.97      | 0.050        | 33.01            | -16.04      |
|           | $\pi/2$ BPSK         | 2592.99         | H               | Z        | 103                 | 35                         | 9.53            | 1 / 1          | 7.37                   | 16.90      | 0.049        | 33.01            | -16.12      |
|           | $\pi/2$ BPSK         | 2640.00         | H               | Z        | 100                 | 46                         | 9.59            | 1 / 1          | 5.97                   | 15.56      | 0.036        | 33.01            | -17.45      |
|           | QPSK                 | 2546.01         | H               | Z        | 100                 | 37                         | 9.46            | 270 / 0        | 7.52                   | 16.98      | 0.050        | 33.01            | -16.03      |
|           | QPSK                 | 2592.99         | H               | Z        | 103                 | 35                         | 9.53            | 1 / 1          | 7.40                   | 16.93      | 0.049        | 33.01            | -16.09      |
|           | QPSK                 | 2640.00         | H               | Z        | 100                 | 46                         | 9.59            | 1 / 1          | 5.96                   | 15.55      | 0.036        | 33.01            | -17.46      |
| 100 MHz   | 16-QAM               | 2592.99         | H               | Z        | 103                 | 35                         | 9.53            | 1 / 1          | 6.84                   | 16.37      | 0.043        | 33.01            | -16.65      |
|           | QPSK (CP-OFDM)       | 2546.0          | H               | Z        | 100                 | 45                         | 9.46            | 1 / 1          | 4.86                   | 14.32      | 0.027        | 33.01            | -18.69      |
|           | QPSK (Opposite Pol.) | 2546.0          | V               | Z        | 129                 | 356                        | 9.46            | 270 / 0        | 7.18                   | 16.64      | 0.046        | 33.01            | -16.37      |
|           | QPSK (WCP)           | 2546.0          | H               | Z        | 105                 | 146                        | 9.46            | 270 / 0        | 6.90                   | 16.36      | 0.043        | 33.01            | -16.65      |

Table 7-49. EIRP Data (NR Band n41 – Ant D- Switching)

|                                         |                                        |                               |  |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|--|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               |  | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset |  | Page 154 of 186                   |

| Bandwidth | Mod.                 | Frequency [MHz] | Ant. Pol. [H/V] | EUT Pol. | Antenna Height [cm] | Turntable Azimuth [degree] | Ant. Gain [dBi] | RB Size/Offset | Substitute Level [dBm] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|----------------------|-----------------|-----------------|----------|---------------------|----------------------------|-----------------|----------------|------------------------|------------|--------------|------------------|-------------|
| 100 MHz   | $\pi/2$ BPSK         | 2546.01         | H               | Z        | 100                 | 49                         | 9.46            | 1 / 136        | 6.15                   | 15.61      | 0.036        | 33.01            | -17.40      |
|           | $\pi/2$ BPSK         | 2592.99         | H               | Z        | 100                 | 40                         | 9.53            | 1 / 1          | 6.03                   | 15.56      | 0.036        | 33.01            | -17.46      |
|           | $\pi/2$ BPSK         | 2640.00         | H               | Z        | 100                 | 34                         | 9.59            | 1 / 1          | 5.26                   | 14.85      | 0.031        | 33.01            | -18.16      |
|           | QPSK                 | 2546.01         | H               | Z        | 100                 | 49                         | 9.46            | 1 / 136        | 5.60                   | 15.06      | 0.032        | 33.01            | -17.95      |
|           | QPSK                 | 2592.99         | H               | Z        | 100                 | 40                         | 9.53            | 1 / 1          | 5.86                   | 15.39      | 0.035        | 33.01            | -17.63      |
|           | QPSK                 | 2640.00         | H               | Z        | 100                 | 34                         | 9.59            | 1 / 1          | 4.59                   | 14.18      | 0.026        | 33.01            | -18.83      |
| 100 MHz   | 16-QAM               | 2592.99         | H               | Z        | 100                 | 40                         | 9.53            | 1 / 1          | 5.04                   | 14.57      | 0.029        | 33.01            | -18.45      |
|           | QPSK (CP-OFDM)       | 2546.0          | H               | Z        | 114                 | 239                        | 9.46            | 1 / 1          | 5.29                   | 14.75      | 0.030        | 33.01            | -18.26      |
|           | QPSK (Opposite Pol.) | 2546.0          | V               | X        | 364                 | 283                        | 9.46            | 1 / 1          | 4.27                   | 13.73      | 0.024        | 33.01            | -19.28      |
|           | QPSK (WCP)           | 2546.0          | H               | Z        | 103                 | 41                         | 9.46            | 1 / 1          | 5.60                   | 15.06      | 0.032        | 33.01            | -17.95      |

Table 7-50. EIRP Data (NR Band n41 – Ant D - Default)

| Bandwidth | Mod.                 | Frequency [MHz] | Ant. Pol. [H/V] | EUT Pol. | Antenna Height [cm] | Turntable Azimuth [degree] | Ant. Gain [dBi] | RB Size/Offset | Substitute Level [dBm] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------|----------------------|-----------------|-----------------|----------|---------------------|----------------------------|-----------------|----------------|------------------------|------------|--------------|------------------|-------------|
| 100 MHz   | $\pi/2$ BPSK         | 2546.01         | H               | X        | 124                 | 223                        | 9.46            | 270 / 0        | 6.50                   | 15.96      | 0.039        | 33.01            | -17.05      |
|           | $\pi/2$ BPSK         | 2592.99         | H               | X        | 134                 | 225                        | 9.53            | 1 / 1          | 6.44                   | 15.97      | 0.039        | 33.01            | -17.05      |
|           | $\pi/2$ BPSK         | 2640.00         | H               | X        | 131                 | 226                        | 9.59            | 270 / 0        | 3.92                   | 13.51      | 0.022        | 33.01            | -19.50      |
|           | QPSK                 | 2546.01         | H               | X        | 124                 | 223                        | 9.46            | 270 / 0        | 6.39                   | 15.85      | 0.038        | 33.01            | -17.16      |
|           | QPSK                 | 2592.99         | H               | X        | 134                 | 225                        | 9.53            | 1 / 1          | 6.46                   | 15.99      | 0.040        | 33.01            | -17.03      |
|           | QPSK                 | 2640.00         | H               | X        | 131                 | 226                        | 9.59            | 270 / 0        | 4.22                   | 13.81      | 0.024        | 33.01            | -19.20      |
| 100 MHz   | 16-QAM               | 2592.99         | H               | X        | 134                 | 225                        | 9.53            | 1 / 1          | 6.45                   | 15.98      | 0.040        | 33.01            | -17.04      |
|           | QPSK (CP-OFDM)       | 2593.0          | H               | X        | 131                 | 224                        | 9.53            | 270 / 0        | 4.28                   | 13.81      | 0.024        | 33.01            | -19.21      |
|           | QPSK (Opposite Pol.) | 2593.0          | V               | Y        | 100                 | 266                        | 9.53            | 270 / 0        | 0.87                   | 10.40      | 0.011        | 33.01            | -22.62      |
|           | QPSK (WCP)           | 2593.0          | H               | X        | 129                 | 219                        | 9.53            | 1 / 1          | 5.42                   | 14.95      | 0.031        | 33.01            | -18.06      |

Table 7-51. EIRP Data (NR Band n41 – Ant E - Switching)

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 155 of 186                   |

## 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

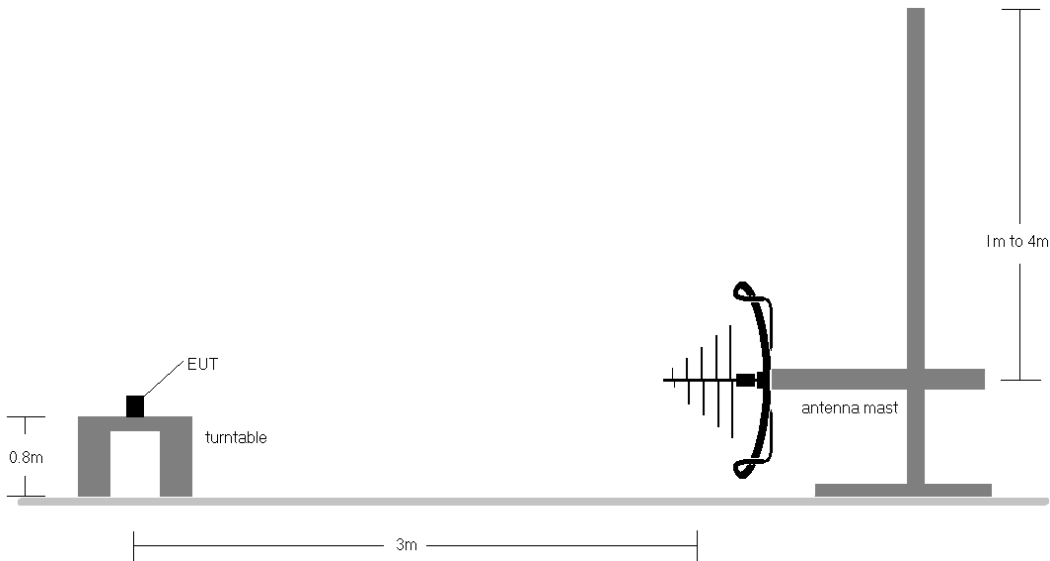
### Test Settings

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

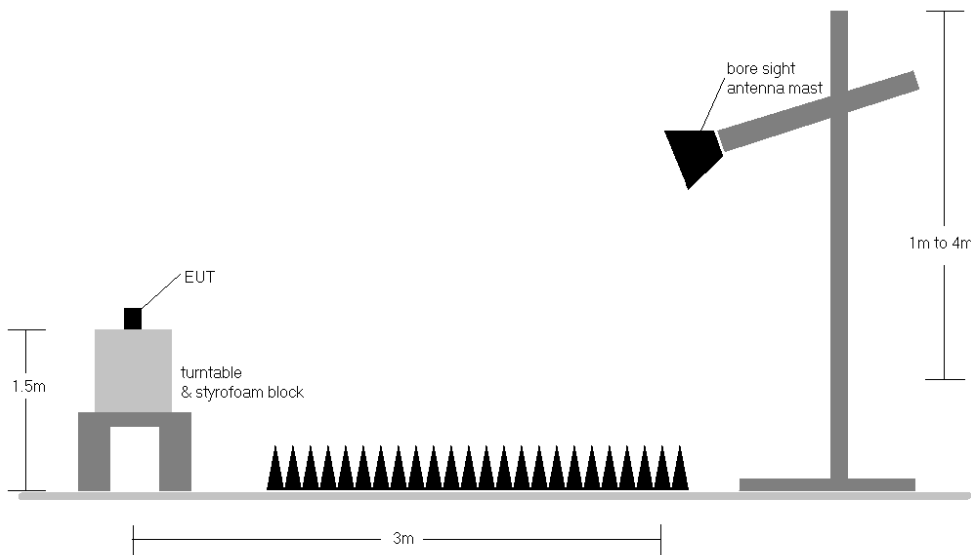
|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07-A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 156 of 186                   |

**Test Setup**

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



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



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

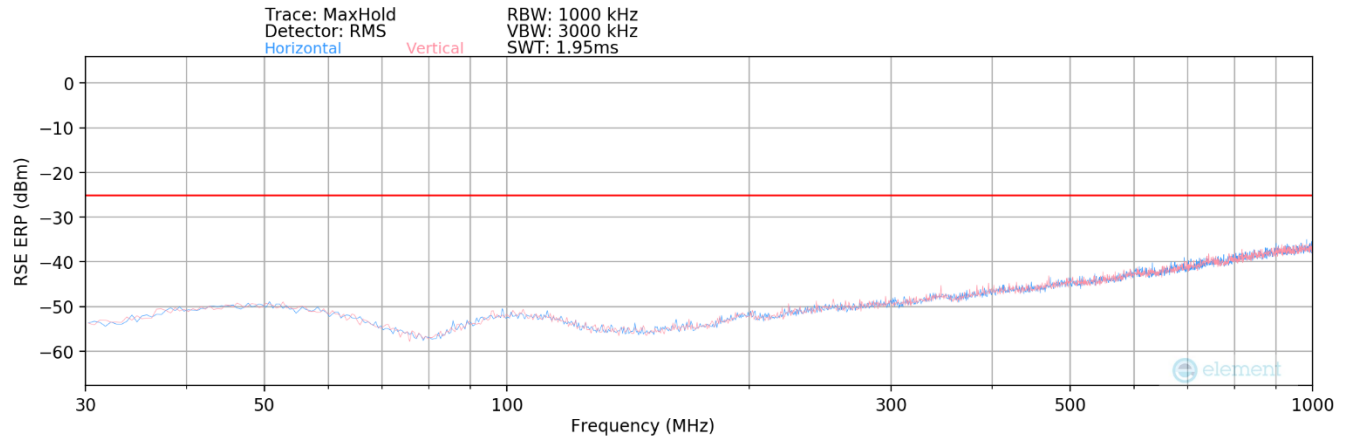
|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 157 of 186                   |

## Test Notes

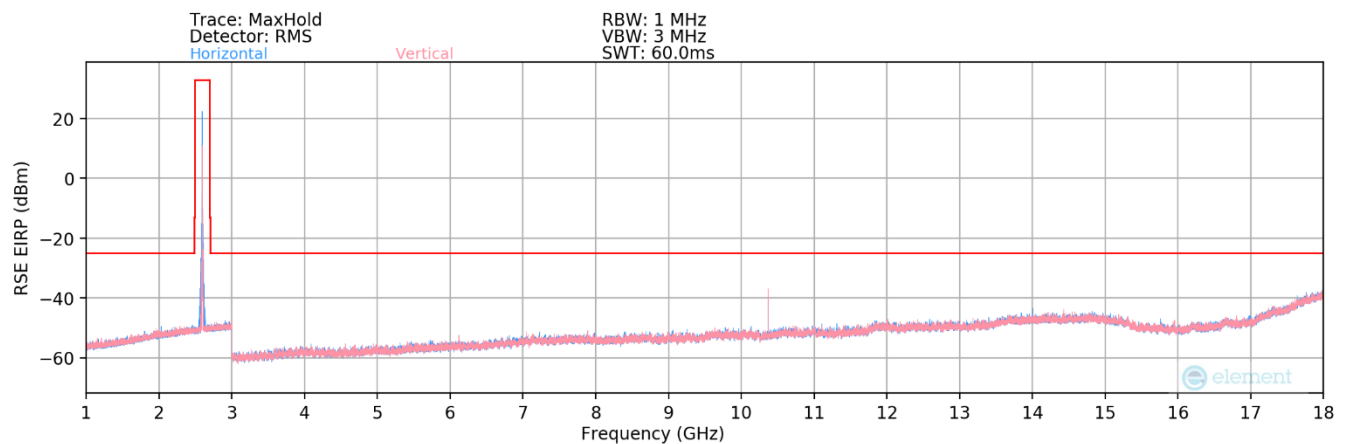
- 1) Field strengths are calculated using the Measurement quantity conversions in ANSI C63.26-2015 Section 5.2.7:
  - a)  $E(\text{dB}\mu\text{V/m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
  - b)  $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V/m}) + 20\log D - 104.8$ ; 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 with its standard battery.
- 4) The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
- 5) Emissions below 18GHz were measured at a 3-meter test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
- 6) The "-" shown in the following RSE tables are used to denote a noise floor measurement.
- 7) 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.
- 8) 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.

|                                                |                                               |                                      |                                          |
|------------------------------------------------|-----------------------------------------------|--------------------------------------|------------------------------------------|
| <b>FCC ID:</b> A3LSMS938B                      | <b>PART 27 MEASUREMENT REPORT</b>             |                                      | <b>Approved by:</b><br>Technical Manager |
| <b>Test Report S/N:</b><br>1M2408260069-07.A3L | <b>Test Dates:</b><br>09/03/2024 - 11/05/2024 | <b>EUT Type:</b><br>Portable Handset | Page 158 of 186                          |

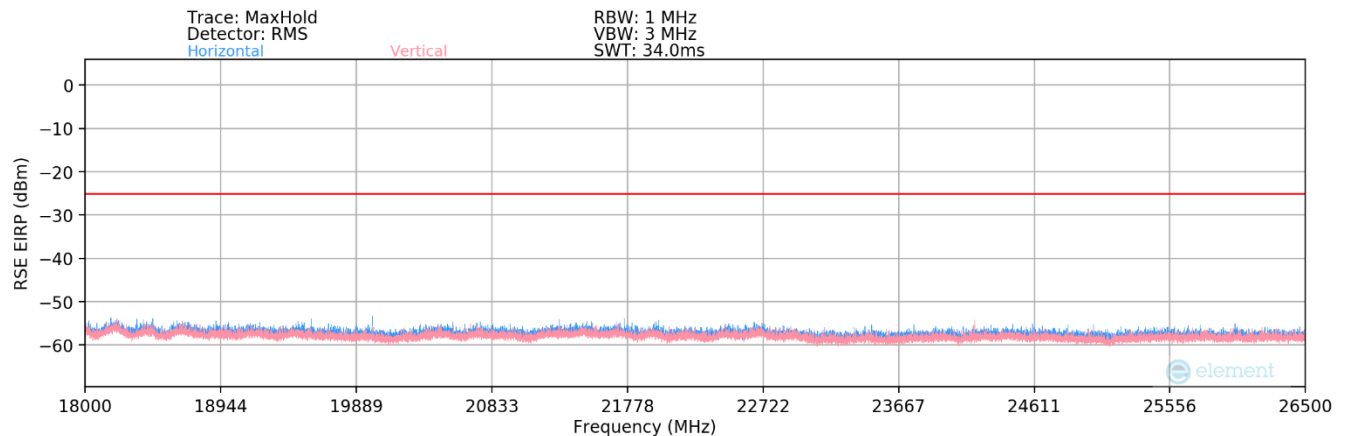
## LTE Band 41(PC2) – Ant B



Plot 7-207. Radiated Spurious Plot (LTE Band 41(PC3) – Ant B)



Plot 7-208. Radiated Spurious Plot (LTE Band 41(PC3) – Ant B)



Plot 7-209. Radiated Spurious Plot (LTE Band 41(PC3) – Ant B)

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 159 of 186                   |



|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 2506.0 |
| RB / Offset:     | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5012.00         | V               | -                   | -                          | -76.44               | 2.41        | 32.97                   | -62.29                             | -25.00      | -37.29      |
| 7518.00         | V               | -                   | -                          | -78.63               | 6.93        | 35.30                   | -59.96                             | -25.00      | -34.96      |
| 10024.00        | V               | 104                 | 295                        | -67.27               | 10.94       | 50.67                   | -44.59                             | -25.00      | -19.59      |
| 12530.00        | V               | -                   | -                          | -80.65               | 13.64       | 39.99                   | -55.27                             | -25.00      | -30.27      |
| 15036.00        | V               | -                   | -                          | -81.38               | 16.76       | 42.38                   | -52.88                             | -25.00      | -27.88      |
| 17542.00        | V               | -                   | -                          | -82.05               | 21.38       | 46.33                   | -48.93                             | -25.00      | -23.93      |
| 20048.00        | V               | -                   | -                          | -66.66               | -3.63       | 36.71                   | -68.09                             | -25.00      | -43.09      |
| 22554.00        | V               | -                   | -                          | -66.93               | -3.50       | 36.57                   | -68.23                             | -25.00      | -43.23      |

Table 7-52. Radiated Spurious Data (LTE Band 41(PC2) – Low Channel – Ant B)

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 2593.0 |
| RB / Offset:     | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5186.00         | V               | -                   | -                          | -76.74               | 2.23        | 32.49                   | -62.77                             | -25.00      | -37.77      |
| 7779.00         | V               | -                   | -                          | -79.03               | 7.42        | 35.39                   | -59.86                             | -25.00      | -34.86      |
| 10372.00        | V               | 104                 | 248                        | -66.23               | 11.13       | 51.90                   | -43.36                             | -25.00      | -18.36      |
| 12965.00        | V               | -                   | -                          | -80.78               | 14.06       | 40.28                   | -54.97                             | -25.00      | -29.97      |
| 15558.00        | V               | -                   | -                          | -82.40               | 14.91       | 39.51                   | -55.74                             | -25.00      | -30.74      |
| 18151.00        | V               | -                   | -                          | -66.39               | -3.22       | 37.39                   | -67.41                             | -25.00      | -42.41      |
| 20744.00        | V               | -                   | -                          | -66.47               | -3.37       | 37.16                   | -67.64                             | -25.00      | -42.64      |
| 23337.00        | V               | -                   | -                          | -67.10               | -3.60       | 36.30                   | -68.50                             | -25.00      | -43.50      |

Table 7-53. Radiated Spurious Data (LTE Band 41(PC2) – Mid Channel – Ant B)

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 2680.0 |
| RB / Offset:     | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5360.00         | V               | 101                 | 284                        | -75.44               | 3.12        | 34.68                   | -60.58                             | -25.00      | -35.58      |
| 8040.00         | V               | 114                 | 298                        | -76.01               | 7.42        | 38.41                   | -56.84                             | -25.00      | -31.84      |
| 10720.00        | V               | 100                 | 308                        | -60.15               | 11.57       | 58.42                   | -36.83                             | -25.00      | -11.83      |
| 13400.00        | V               | -                   | -                          | -81.19               | 14.49       | 40.30                   | -54.95                             | -25.00      | -29.95      |
| 16080.00        | V               | -                   | -                          | -82.10               | 13.46       | 38.36                   | -56.90                             | -25.00      | -31.90      |
| 18760.00        | V               | -                   | -                          | -66.57               | -3.25       | 37.18                   | -67.62                             | -25.00      | -42.62      |
| 21440.00        | V               | -                   | -                          | -66.41               | -3.23       | 37.36                   | -67.44                             | -25.00      | -42.44      |
| 24120.00        | V               | -                   | -                          | -66.56               | -3.21       | 37.23                   | -67.57                             | -25.00      | -42.57      |

Table 7-54. Radiated Spurious Data (LTE Band 41(PC2) – High Channel – Ant B)

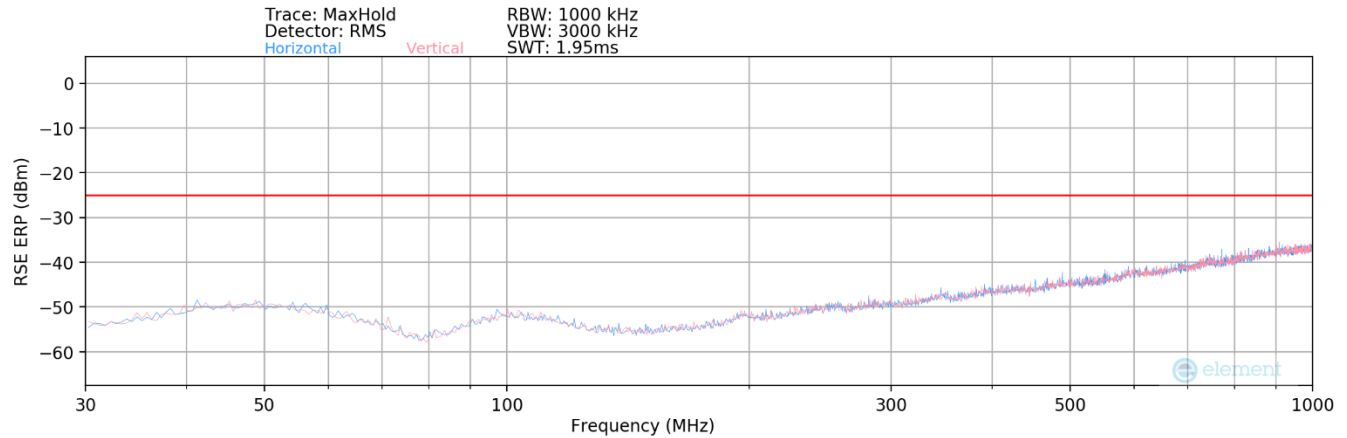
|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 2593.0 |
| RB / Offset:     | 1/50   |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | ERP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|-----------------------------------|-------------|-------------|
| 263.59          | V               | -                   | -                          | -97.07               | 19.71       | 29.64                   | -67.77                            | -25.00      | -42.77      |
| 552.01          | V               | -                   | -                          | -96.28               | 25.52       | 36.24                   | -61.17                            | -25.00      | -36.17      |
| 967.96          | V               | -                   | -                          | -96.08               | 30.95       | 41.87                   | -55.54                            | -25.00      | -30.54      |

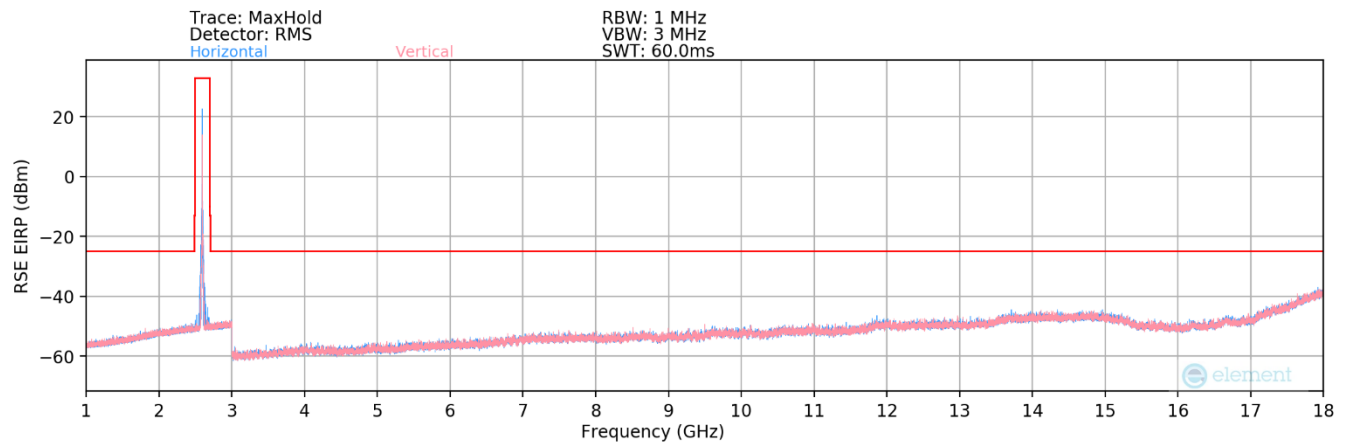
Table 7-55. Radiated Spurious Data (LTE Band 41(PC2) – Mid Channel – Ant B)

|                                         |                                        |                               |  |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|--|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               |  | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset |  | Page 160 of 186                   |

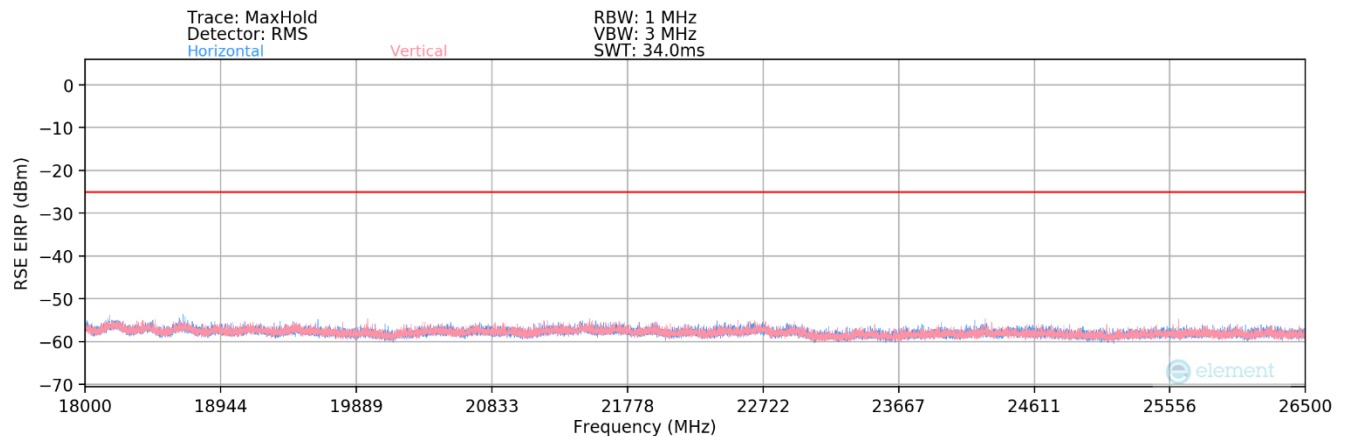
## LTE Band 41(PC2) – Ant F



Plot 7-210. Radiated Spurious Plot (LTE Band 41(PC2) – Ant B)



Plot 7-211. Radiated Spurious Plot (LTE Band 41(PC2) – Ant B)



Plot 7-212. Radiated Spurious Plot (LTE Band 41(PC2) – Ant B)

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 161 of 186                   |

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 2506.0 |
| RB / Offset:     | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5012.00         | H               | -                   | -                          | -77.00               | 2.41        | 32.41                   | -62.85                             | -25.00      | -37.85      |
| 7518.00         | H               | -                   | -                          | -78.80               | 6.93        | 35.13                   | -60.13                             | -25.00      | -35.13      |
| 10024.00        | H               | -                   | -                          | -80.42               | 10.94       | 37.52                   | -57.74                             | -25.00      | -32.74      |
| 20048.00        | H               | -                   | -                          | -66.59               | -3.63       | 36.78                   | -68.02                             | -25.00      | -43.02      |
| 22554.00        | H               | -                   | -                          | -66.81               | -3.50       | 36.69                   | -68.11                             | -25.00      | -43.11      |

Table 7-56. Radiated Spurious Data (LTE Band 41(PC2) – Low Channel – Ant B)

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 2593.0 |
| RB / Offset:     | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| -31.05          | H               | -                   | -                          | -76.92               | 2.23        | 32.31                   | -62.95                             | -25.00      | -37.95      |
| 7779.00         | H               | -                   | -                          | -79.15               | 7.42        | 35.27                   | -59.98                             | -25.00      | -34.98      |
| 10372.00        | H               | -                   | -                          | -81.14               | 11.13       | 36.99                   | -58.27                             | -25.00      | -33.27      |
| 18151.00        | H               | -                   | -                          | -66.71               | -3.22       | 37.07                   | -58.19                             | -25.00      | -33.19      |
| 20744.00        | H               | -                   | -                          | -66.65               | -3.37       | 36.98                   | -67.82                             | -25.00      | -42.82      |
| 23337.00        | H               | -                   | -                          | -66.98               | -3.60       | 36.42                   | -68.38                             | -25.00      | -43.38      |

Table 7-57. Radiated Spurious Data (LTE Band 41(PC2) – Mid Channel – Ant B)

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 2680.0 |
| RB / Offset:     | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5360.00         | H               | -                   | -                          | -77.62               | 3.12        | 32.50                   | -62.76                             | -25.00      | -37.76      |
| 8040.00         | H               | -                   | -                          | -79.04               | 7.42        | 35.38                   | -59.87                             | -25.00      | -34.87      |
| 10720.00        | H               | -                   | -                          | -81.26               | 11.57       | 37.31                   | -57.94                             | -25.00      | -32.94      |
| 18760.00        | H               | -                   | -                          | -66.49               | -3.25       | 37.26                   | -58.00                             | -25.00      | -33.00      |
| 21440.00        | H               | -                   | -                          | -66.55               | -3.23       | 37.22                   | -67.58                             | -25.00      | -42.58      |
| 24120.00        | H               | -                   | -                          | -66.80               | -3.21       | 36.99                   | -67.81                             | -25.00      | -42.81      |

Table 7-58. Radiated Spurious Data (LTE Band 41(PC2) – High Channel – Ant B)

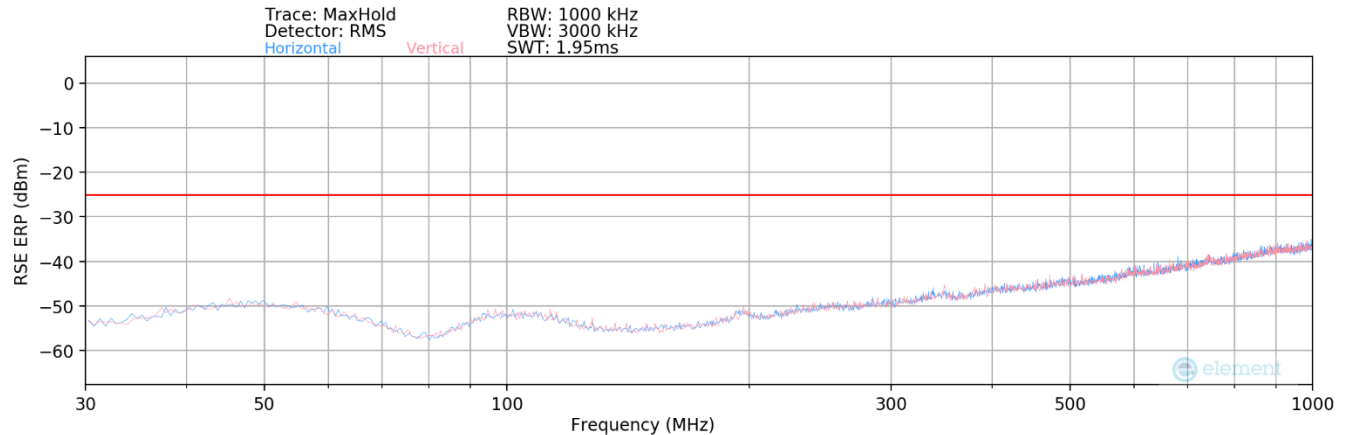
|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 2593.0 |
| RB / Offset:     | 1/50   |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | ERP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|-----------------------------------|-------------|-------------|
| 85.85           | H               | -                   | -                          | -96.87               | 15.22       | 25.35                   | -72.06                            | -25.00      | -47.06      |
| 547.53          | H               | -                   | -                          | -96.38               | 25.41       | 36.03                   | -61.38                            | -25.00      | -36.38      |
| 967.13          | H               | -                   | -                          | -96.33               | 30.93       | 41.60                   | -55.81                            | -25.00      | -30.81      |

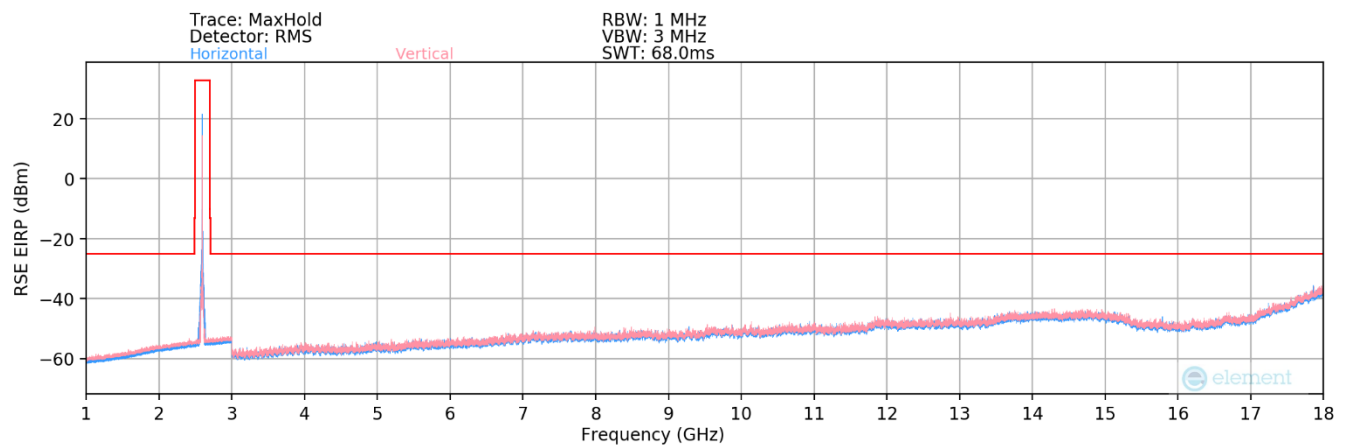
Table 7-59. Radiated Spurious Data (LTE Band 41(PC2) – Mid Channel – Ant B)

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 162 of 186                   |

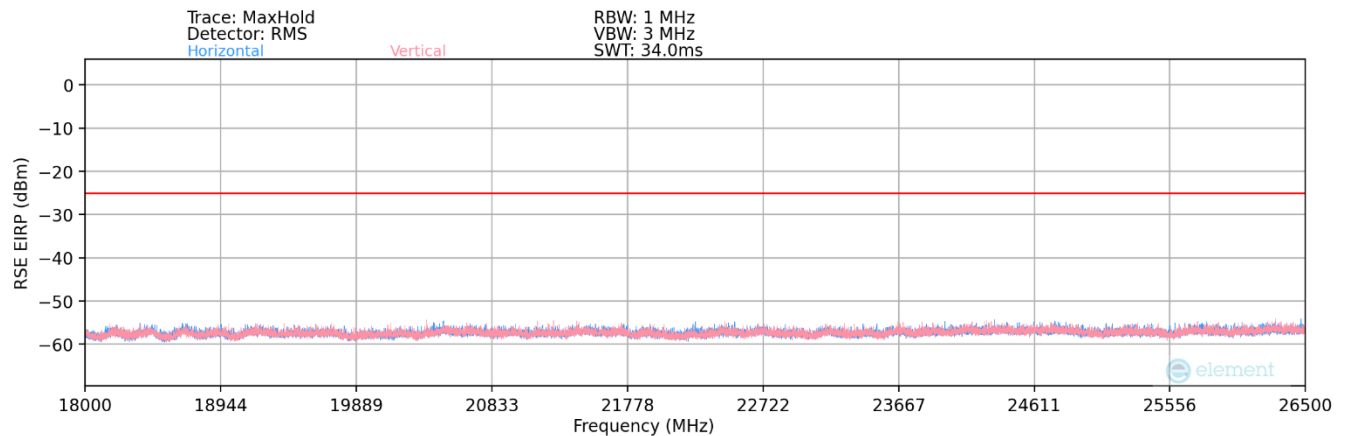
## LTE Band 41(PC3) – Ant B



Plot 7-213. Radiated Spurious Plot (LTE Band 41(PC3) – Ant B)



Plot 7-214. Radiated Spurious Plot (LTE Band 41(PC3) – Ant B)



Plot 7-215. Radiated Spurious Plot (LTE Band 41(PC3) – Ant B)

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 163 of 186                   |

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 2506.0 |
| RB / Offset:     | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5012.00         | H               | -                   | -                          | -75.71               | 2.41        | 33.70                   | -61.56                             | -25.00      | -36.56      |
| 7518.00         | H               | -                   | -                          | -77.63               | 6.93        | 36.30                   | -58.96                             | -25.00      | -33.96      |
| 10024.00        | H               | -                   | -                          | -79.31               | 10.94       | 38.63                   | -56.63                             | -25.00      | -31.63      |
| 20048.00        | H               | -                   | -                          | -53.26               | -3.63       | 50.11                   | -54.69                             | -25.00      | -29.69      |
| 22554.00        | H               | -                   | -                          | -52.46               | -3.50       | 51.04                   | -53.76                             | -25.00      | -28.76      |

Table 7-60. Radiated Spurious Data (LTE Band 41(PC3) – Low Channel – Ant B)

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 2593.0 |
| RB / Offset:     | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5186.00         | H               | -                   | -                          | -75.51               | 2.23        | 33.72                   | -61.54                             | -25.00      | -36.54      |
| 7779.00         | H               | -                   | -                          | -77.80               | 7.42        | 36.62                   | -58.63                             | -25.00      | -33.63      |
| 10372.00        | H               | -                   | -                          | -79.69               | 11.13       | 38.44                   | -56.82                             | -25.00      | -31.82      |
| 18151.00        | H               | -                   | -                          | -52.79               | -3.22       | 50.99                   | -53.81                             | -25.00      | -28.81      |
| 20744.00        | H               | -                   | -                          | -52.49               | -3.37       | 51.14                   | -53.66                             | -25.00      | -28.66      |
| 23337.00        | H               | -                   | -                          | -52.08               | -3.60       | 51.32                   | -53.48                             | -25.00      | -28.48      |

Table 7-61. Radiated Spurious Data (LTE Band 41(PC3) – Mid Channel – Ant B)

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 2680.0 |
| RB / Offset:     | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5360.00         | H               | -                   | -                          | -76.11               | 3.12        | 34.01                   | -61.25                             | -25.00      | -36.25      |
| 8040.00         | H               | -                   | -                          | -77.83               | 7.42        | 36.59                   | -58.66                             | -25.00      | -33.66      |
| 10720.00        | H               | -                   | -                          | -79.31               | 11.57       | 39.26                   | -55.99                             | -25.00      | -30.99      |
| 18760.00        | H               | -                   | -                          | -52.63               | -3.25       | 51.12                   | -53.68                             | -25.00      | -28.68      |
| 21440.00        | H               | -                   | -                          | -52.73               | -3.23       | 51.04                   | -53.76                             | -25.00      | -28.76      |
| 24120.00        | H               | -                   | -                          | -52.41               | -3.21       | 51.38                   | -53.42                             | -25.00      | -28.42      |

Table 7-62. Radiated Spurious Data (LTE Band 41(PC3) – High Channel – Ant B)

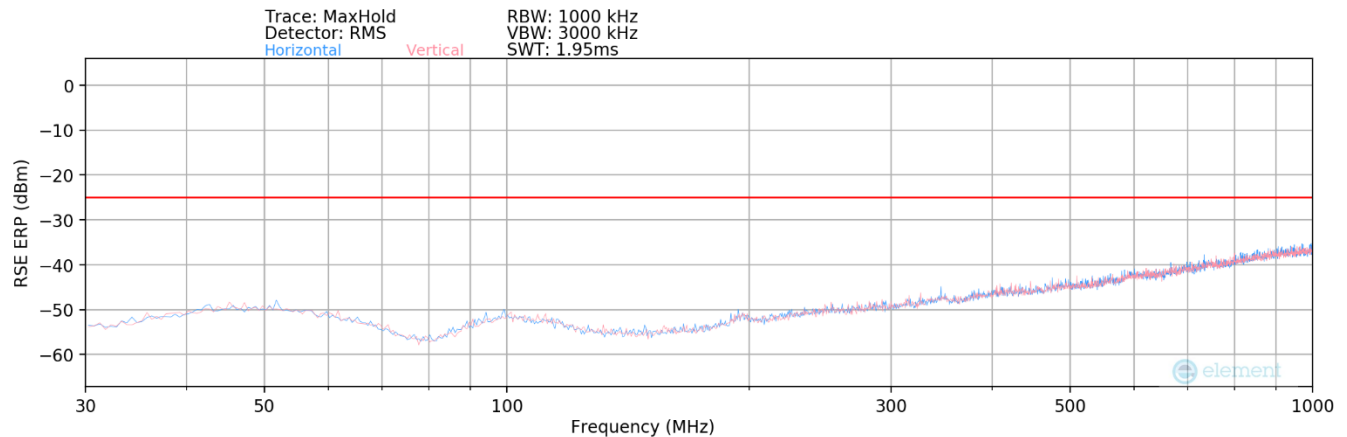
|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 2593.0 |
| RB / Offset:     | 1/50   |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | ERP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|-----------------------------------|-------------|-------------|
| 290.96          | H               | -                   | -                          | -97.07               | 20.37       | 30.30                   | -67.11                            | -25.00      | -42.11      |
| 670.63          | H               | -                   | -                          | -96.63               | 27.52       | 37.89                   | -59.51                            | -25.00      | -34.51      |
| 981.57          | H               | -                   | -                          | -95.69               | 31.10       | 42.41                   | -54.99                            | -25.00      | -29.99      |

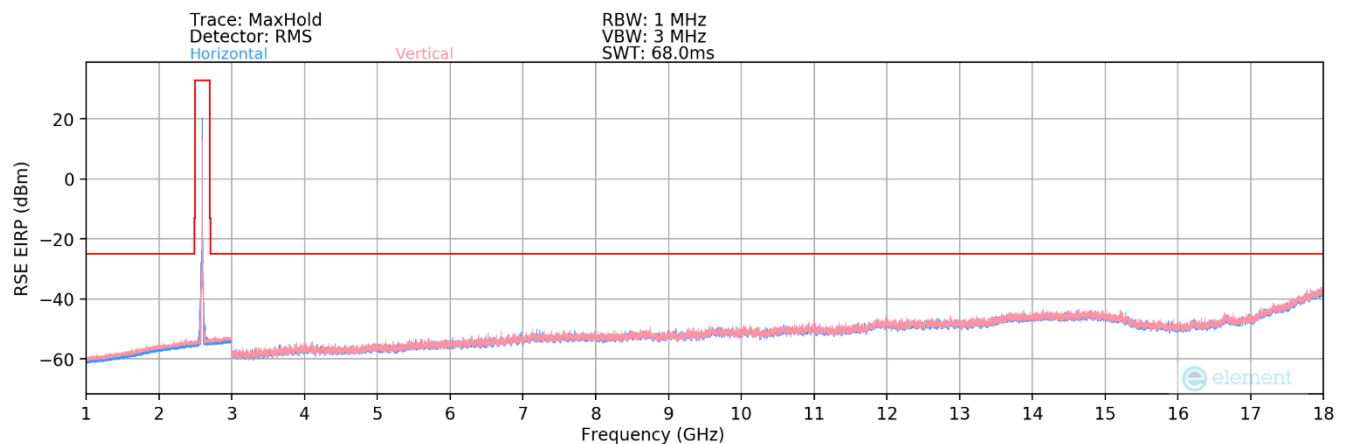
Table 7-63. Radiated Spurious Data (LTE Band 41(PC3) – Mid Channel – Ant B)

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 164 of 186                   |

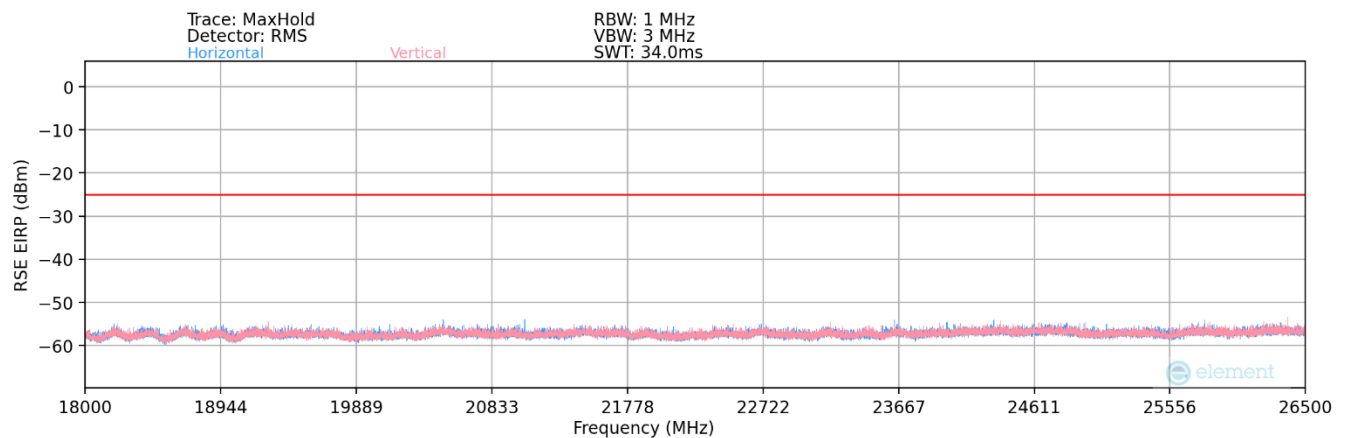
## LTE Band 41(PC3) – Ant F



Plot 7-216. Radiated Spurious Plot (LTE Band 41(PC3) – Ant F)



Plot 7-217. Radiated Spurious Plot (LTE Band 41(PC3) – Ant F)



Plot 7-218. Radiated Spurious Plot (LTE Band 41(PC3) – Ant F)

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 165 of 186                   |

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 2506.0 |
| RB / Offset:     | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5012.00         | H               | -                   | -                          | -75.67               | 2.41        | 33.74                   | -61.52                             | -25.00      | -36.52      |
| 7518.00         | H               | -                   | -                          | -77.50               | 6.93        | 36.43                   | -58.83                             | -25.00      | -33.83      |
| 10024.00        | H               | -                   | -                          | -79.32               | 10.94       | 38.62                   | -56.64                             | -25.00      | -31.64      |
| 20048.00        | H               | -                   | -                          | -53.31               | -3.63       | 50.06                   | -54.74                             | -25.00      | -29.74      |
| 22554.00        | H               | -                   | -                          | -52.42               | -3.50       | 51.08                   | -53.72                             | -25.00      | -28.72      |

Table 7-64. Radiated Spurious Data (LTE Band 41(PC3) – Low Channel – Ant F)

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 2593.0 |
| RB / Offset:     | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5186.00         | H               | -                   | -                          | -75.54               | 2.23        | 33.69                   | -61.57                             | -25.00      | -36.57      |
| 7779.00         | H               | -                   | -                          | -77.72               | 7.42        | 36.70                   | -58.55                             | -25.00      | -33.55      |
| 10372.00        | H               | -                   | -                          | -79.72               | 11.13       | 38.41                   | -56.85                             | -25.00      | -31.85      |
| 18151.00        | H               | -                   | -                          | -52.68               | -3.22       | 51.10                   | -44.16                             | -25.00      | -19.16      |
| 20744.00        | H               | -                   | -                          | -52.42               | -3.37       | 51.21                   | -53.59                             | -25.00      | -28.59      |
| 23337.00        | H               | -                   | -                          | -52.26               | -3.60       | 51.14                   | -53.66                             | -25.00      | -28.66      |

Table 7-65. Radiated Spurious Data (LTE Band 41(PC3) – Mid Channel – Ant F)

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 2680.0 |
| RB / Offset:     | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5360.00         | H               | -                   | -                          | -76.25               | 3.12        | 33.87                   | -61.39                             | -25.00      | -36.39      |
| 8040.00         | H               | -                   | -                          | -77.88               | 7.42        | 36.54                   | -58.71                             | -25.00      | -33.71      |
| 10720.00        | H               | -                   | -                          | -79.26               | 11.57       | 39.31                   | -55.94                             | -25.00      | -30.94      |
| 18760.00        | H               | -                   | -                          | -52.74               | -3.25       | 51.01                   | -44.25                             | -25.00      | -19.25      |
| 21440.00        | H               | -                   | -                          | -52.59               | -3.23       | 51.18                   | -53.62                             | -25.00      | -28.62      |
| 24120.00        | H               | -                   | -                          | -52.36               | -3.21       | 51.43                   | -53.37                             | -25.00      | -28.37      |

Table 7-66. Radiated Spurious Data (LTE Band 41(PC3) – High Channel – Ant F)

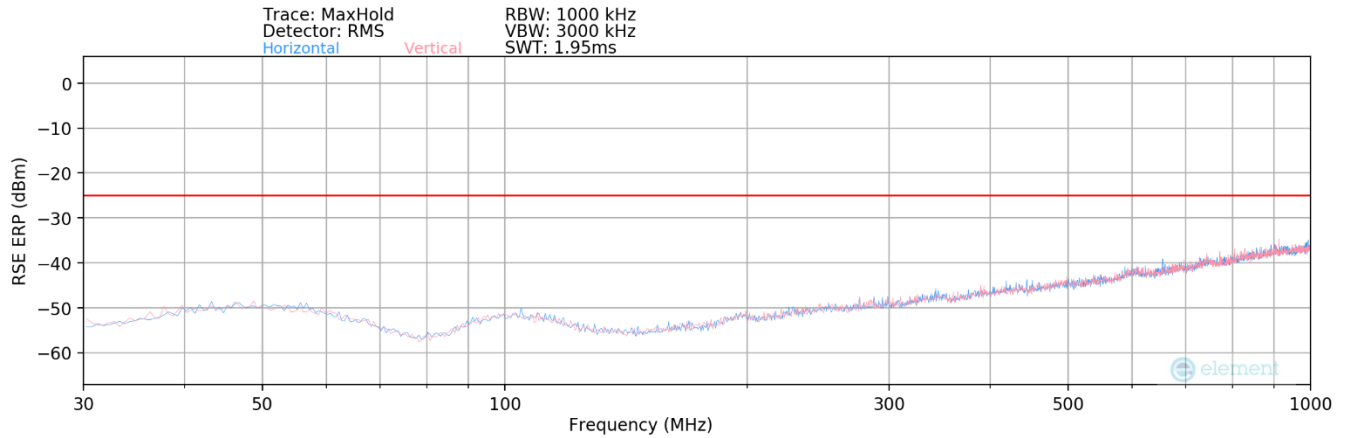
|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 2593.0 |
| RB / Offset:     | 1/50   |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | ERP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|-----------------------------------|-------------|-------------|
| 280.71          | H               | -                   | -                          | -96.85               | 20.16       | 30.31                   | -67.10                            | -25.00      | -42.10      |
| 679.82          | H               | -                   | -                          | -96.57               | 27.71       | 38.14                   | -59.26                            | -25.00      | -34.26      |
| 915.64          | H               | -                   | -                          | -95.72               | 30.74       | 42.02                   | -55.39                            | -25.00      | -30.39      |

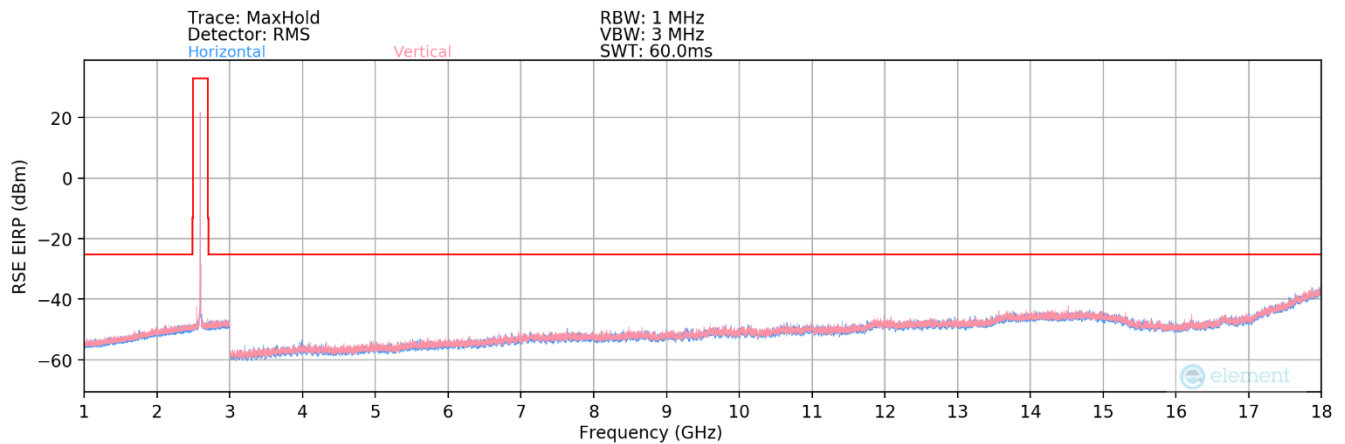
Table 7-67. Radiated Spurious Data (LTE Band 41(PC3) – Mid Channel – Ant F)

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 166 of 186                   |

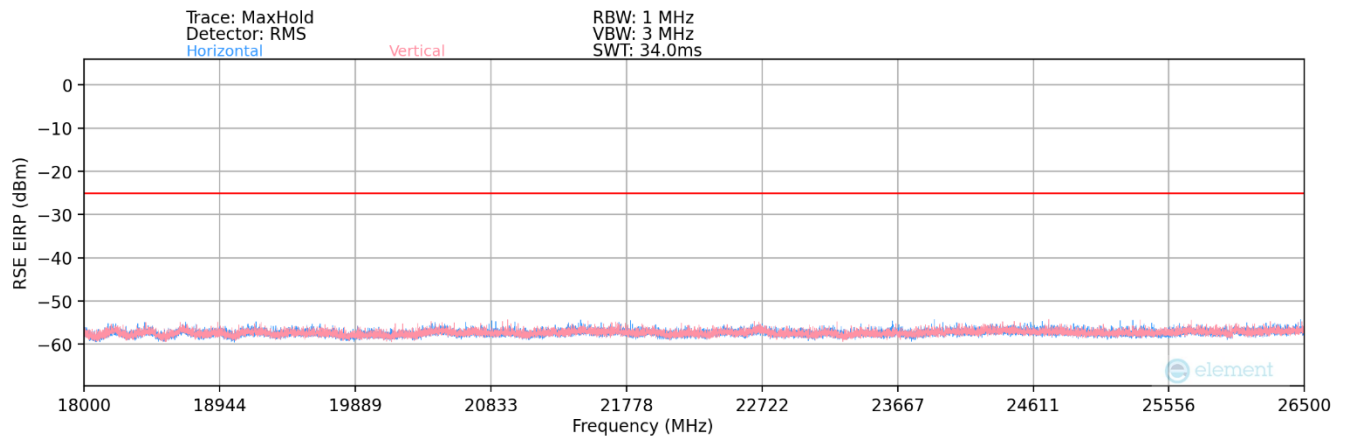
## NR Band n41 – Ant F – Default



Plot 7-219. Radiated Spurious Plot (NR Band n41 – Ant F)



Plot 7-220. Radiated Spurious Plot (NR Band n41 – Ant F)



Plot 7-221. Radiated Spurious Plot (NR Band n41 – Ant F)

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 167 of 186                   |



|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 2546.01 |
| RB / Offset:     | 1 / 136 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5092.02         | H               | 137                 | 110                        | -65.11               | 1.93        | 43.82                   | -51.44                             | -25.00      | -26.44      |
| 7638.03         | H               | 169                 | 54                         | -75.45               | 7.24        | 38.79                   | -56.47                             | -25.00      | -31.47      |
| 10184.04        | H               | -                   | -                          | -80.00               | 10.88       | 37.88                   | -57.38                             | -25.00      | -32.38      |
| 12730.05        | H               | -                   | -                          | -80.19               | 14.22       | 41.03                   | -54.23                             | -25.00      | -29.23      |
| 15276.06        | H               | -                   | -                          | -80.91               | 16.10       | 42.19                   | -53.07                             | -25.00      | -28.07      |
| 20368.08        | H               | -                   | -                          | -52.46               | -3.37       | 51.17                   | -53.63                             | -25.00      | -28.63      |
| 22914.09        | H               | -                   | -                          | -52.08               | -3.60       | 51.32                   | -53.48                             | -25.00      | -28.48      |

Table 7-68. Radiated Spurious Data (NR Band n41 – Low Channel – Ant F)

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 2592.99 |
| RB / Offset:     | 1 / 136 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5185.98         | H               | 123                 | 114                        | -71.90               | 2.23        | 37.33                   | -57.93                             | -25.00      | -32.93      |
| 7778.97         | H               | 162                 | 64                         | -74.23               | 7.42        | 40.19                   | -55.06                             | -25.00      | -30.06      |
| 10371.96        | H               | -                   | -                          | -79.91               | 11.13       | 38.22                   | -57.04                             | -25.00      | -32.04      |
| 12964.95        | H               | -                   | -                          | -79.71               | 14.06       | 41.35                   | -53.90                             | -25.00      | -28.90      |
| 15557.94        | H               | -                   | -                          | -81.15               | 14.91       | 40.76                   | -54.49                             | -25.00      | -29.49      |
| 18150.93        | H               | -                   | -                          | -51.35               | -3.22       | 52.43                   | -52.37                             | -25.00      | -27.37      |
| 20743.92        | H               | -                   | -                          | -52.43               | -3.37       | 51.20                   | -53.60                             | -25.00      | -28.60      |
| 23336.91        | H               | -                   | -                          | -51.82               | -3.60       | 51.58                   | -53.22                             | -25.00      | -28.22      |

Table 7-69. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant F)

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 2640.00 |
| RB / Offset:     | 1 / 136 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5280.00         | H               | 131                 | 118                        | -63.47               | 2.23        | 45.76                   | -49.50                             | -25.00      | -24.50      |
| 7920.00         | H               | 177                 | 42                         | -68.22               | 7.39        | 46.17                   | -49.08                             | -25.00      | -24.08      |
| 10560.00        | H               | -                   | -                          | -79.11               | 11.35       | 39.24                   | -56.01                             | -25.00      | -31.01      |
| 13200.00        | H               | -                   | -                          | -80.15               | 14.11       | 40.96                   | -54.29                             | -25.00      | -29.29      |
| 15840.00        | H               | -                   | -                          | -80.54               | 13.91       | 40.37                   | -54.89                             | -25.00      | -29.89      |
| 18480.00        | H               | -                   | -                          | -51.64               | -3.41       | 51.95                   | -52.85                             | -25.00      | -27.85      |
| 21120.00        | H               | -                   | -                          | -52.58               | -3.46       | 50.96                   | -53.84                             | -25.00      | -28.84      |
| 23760.00        | H               | -                   | -                          | -52.01               | -3.47       | 51.52                   | -53.28                             | -25.00      | -28.28      |

Table 7-70. Radiated Spurious Data (NR Band n41 – High Channel – Ant F)

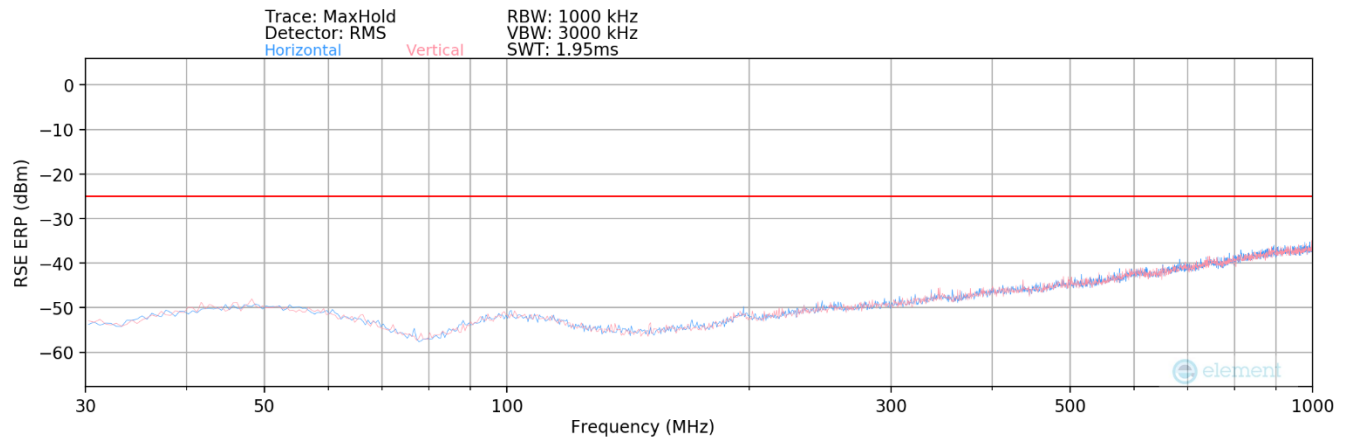
|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 2592.99 |
| RB / Offset:     | 1 / 136 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | ERP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|-----------------------------------|-------------|-------------|
| 294.78          | H               | -                   | -                          | -96.83               | 20.45       | 30.62                   | -66.79                            | -25.00      | -41.79      |
| 551.11          | H               | -                   | -                          | -95.97               | 25.50       | 36.53                   | -60.88                            | -25.00      | -35.88      |
| 954.95          | H               | -                   | -                          | -95.95               | 30.78       | 41.83                   | -55.58                            | -25.00      | -30.58      |

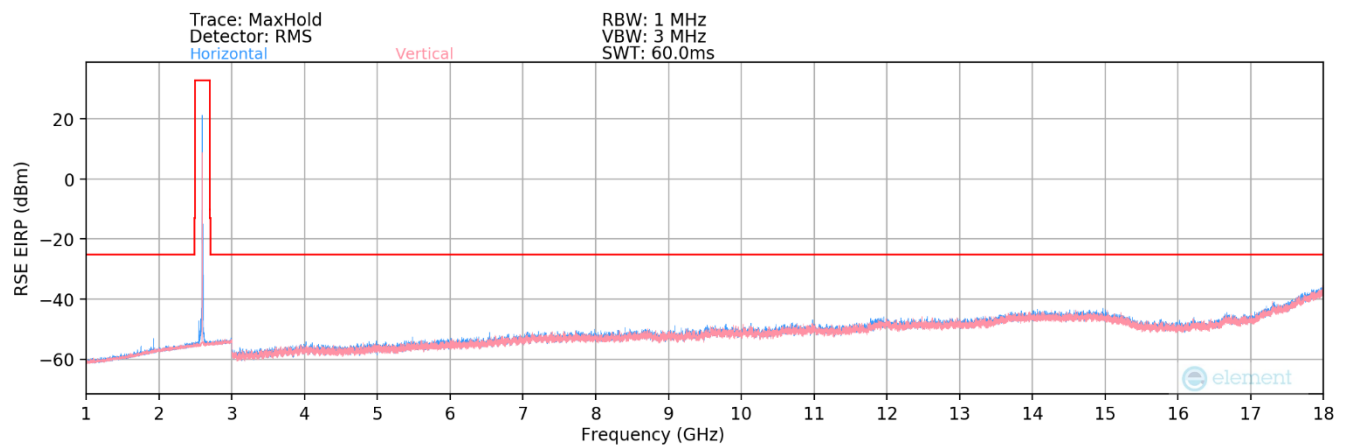
Table 7-71. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant F)

|                                         |                                        |                               |  |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|--|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               |  | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset |  | Page 168 of 186                   |

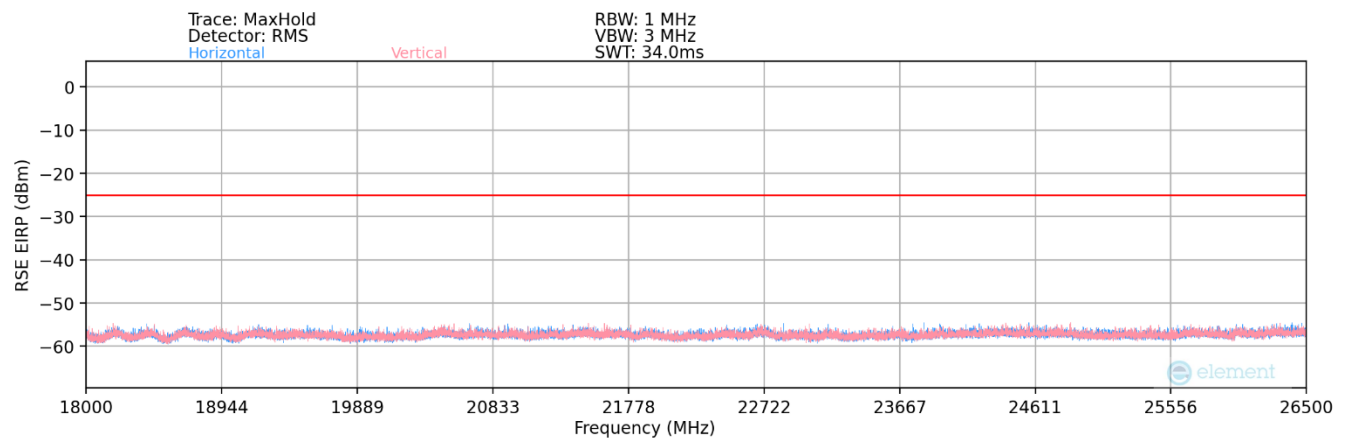
## NR Band n41 – Ant B – Switching



Plot 7-222. Radiated Spurious Plot (NR Band n41 – Ant B)



Plot 7-223. Radiated Spurious Plot (NR Band n41 – Ant B)



Plot 7-224. Radiated Spurious Plot (NR Band n41 – Ant B)

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 169 of 186                   |

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 2546.01 |
| RB / Offset:     | 1 / 136 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5092.02         | H               | -                   | -                          | -69.15               | 1.94        | 39.79                   | -55.47                             | -25.00      | -30.47      |
| 7638.03         | H               | -                   | -                          | -69.48               | 7.24        | 44.76                   | -50.49                             | -25.00      | -25.49      |
| 10184.04        | H               | -                   | -                          | -71.03               | 11.57       | 47.54                   | -47.72                             | -25.00      | -22.72      |
| 12730.05        | H               | -                   | -                          | -71.31               | 14.11       | 49.80                   | -45.46                             | -25.00      | -20.46      |
| 15276.06        | H               | -                   | -                          | -71.58               | 17.01       | 52.43                   | -42.83                             | -25.00      | -17.83      |

Table 7-72. Radiated Spurious Data (NR Band n41 – Low Channel – Ant B)

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 2592.99 |
| RB / Offset:     | 1 / 136 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5185.98         | H               | -                   | -                          | -68.64               | 2.20        | 40.56                   | -54.70                             | -25.00      | -29.70      |
| 7778.97         | H               | -                   | -                          | -69.33               | 7.70        | 45.37                   | -49.88                             | -25.00      | -24.88      |
| 10371.96        | H               | -                   | -                          | -71.04               | 11.96       | 47.92                   | -47.33                             | -25.00      | -22.33      |
| 12964.95        | H               | -                   | -                          | -71.32               | 14.74       | 50.42                   | -44.83                             | -25.00      | -19.83      |
| 15557.94        | H               | -                   | -                          | -71.64               | 15.42       | 50.78                   | -44.48                             | -25.00      | -19.48      |

Table 7-73. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant B)

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 2640.00 |
| RB / Offset:     | 1 / 136 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5280.00         | H               | -                   | -                          | -68.65               | 2.15        | 40.50                   | -54.76                             | -25.00      | -29.76      |
| 7920.00         | H               | -                   | -                          | -69.86               | 7.68        | 44.82                   | -50.44                             | -25.00      | -25.44      |
| 10560.00        | H               | -                   | -                          | -71.21               | 11.97       | 47.76                   | -47.50                             | -25.00      | -22.50      |
| 13200.00        | H               | -                   | -                          | -71.38               | 14.36       | 49.98                   | -45.27                             | -25.00      | -20.27      |
| 15840.00        | H               | -                   | -                          | -71.35               | 14.53       | 50.18                   | -45.08                             | -25.00      | -20.08      |

Table 7-74. Radiated Spurious Data (NR Band n41 – High Channel – Ant B)

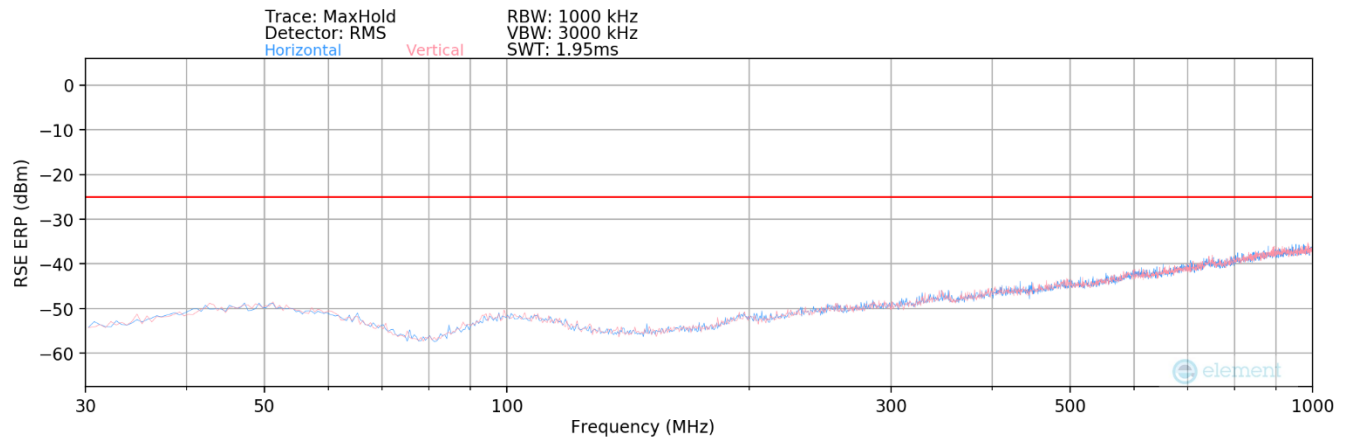
|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 2592.99 |
| RB / Offset:     | 1/108   |

| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|-----------------------------------|-------------|-------------|
| 998.47          | H               | -                   | -                          | -78.56               | 31.51       | 59.95                   | -37.46                            | -25.00      | -12.46      |

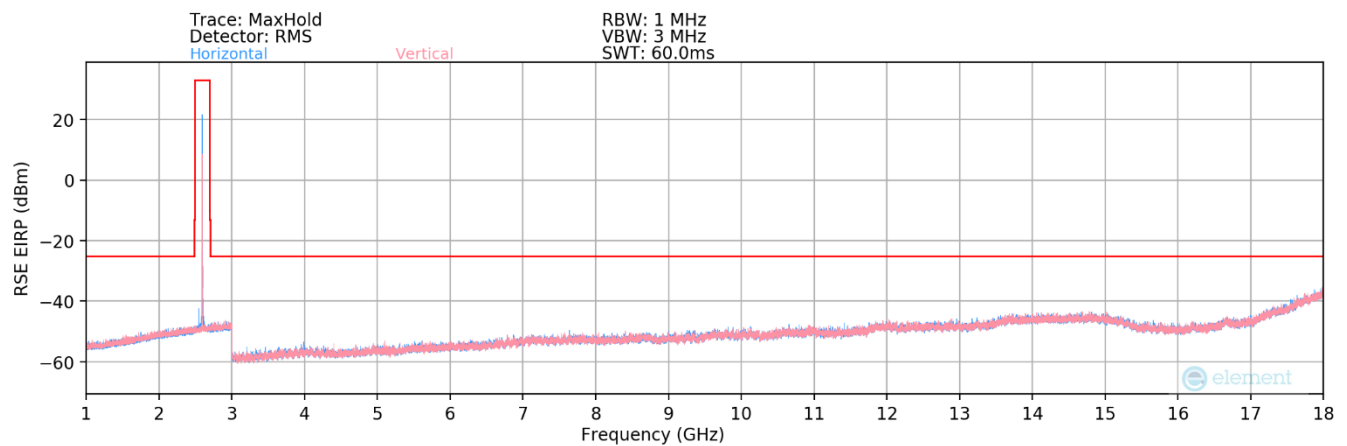
Table 7-75. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant B)

|                                         |                                        |                               |  |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|--|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               |  | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset |  | Page 170 of 186                   |

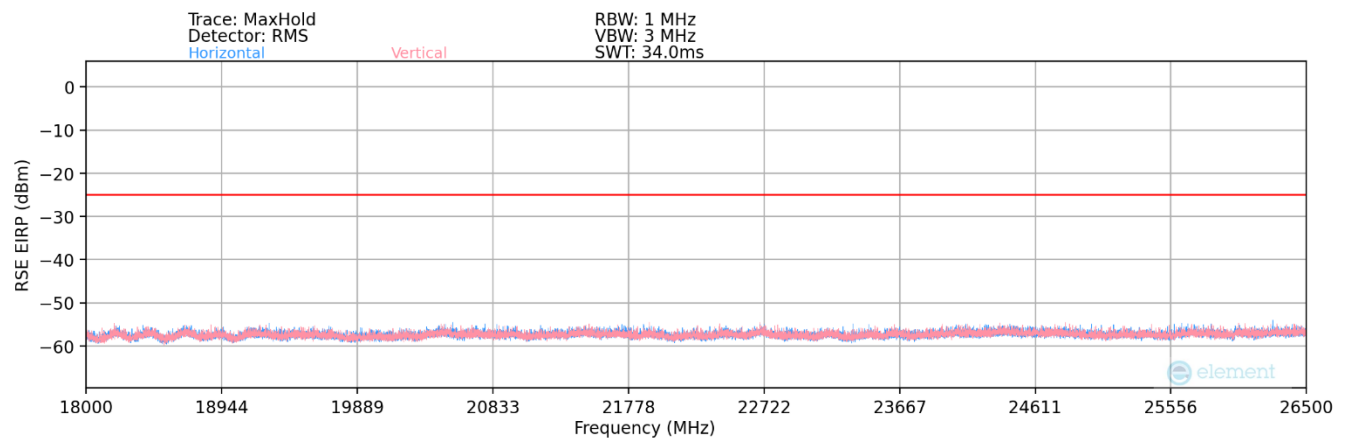
## NR Band n41 – Ant B – Default



Plot 7-225. Radiated Spurious Plot (NR Band n41 – Ant B)



Plot 7-226. Radiated Spurious Plot (NR Band n41 – Ant B)



Plot 7-227. Radiated Spurious Plot (NR Band n41 – Ant B)

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 171 of 186                   |

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 2546.01 |
| RB / Offset:     | 1 / 136 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5092.02         | H               | -                   | -                          | -75.45               | 1.93        | 33.48                   | -61.78                             | -25.00      | -36.78      |
| 7638.03         | H               | -                   | -                          | -76.94               | 7.24        | 37.30                   | -57.96                             | -25.00      | -32.96      |
| 10184.04        | H               | -                   | -                          | -79.96               | 10.88       | 37.92                   | -57.34                             | -25.00      | -32.34      |

Table 7-76. Radiated Spurious Data (NR Band n41 – Low Channel – Ant B)

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 2592.99 |
| RB / Offset:     | 1 / 136 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5185.98         | H               | -                   | -                          | -75.56               | 2.23        | 33.67                   | -61.59                             | -25.00      | -36.59      |
| 7778.97         | H               | -                   | -                          | -77.81               | 7.42        | 36.61                   | -58.64                             | -25.00      | -33.64      |
| 10371.96        | H               | -                   | -                          | -79.78               | 11.13       | 38.35                   | -56.91                             | -25.00      | -31.91      |
| 18150.93        | H               | -                   | -                          | -51.41               | -3.22       | 52.37                   | -52.43                             | -25.00      | -27.43      |
| 20743.92        | H               | -                   | -                          | -51.89               | -3.37       | 51.74                   | -53.06                             | -25.00      | -28.06      |
| 23336.91        | H               | -                   | -                          | -51.94               | -3.60       | 51.46                   | -53.34                             | -25.00      | -28.34      |

Table 7-77. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant B)

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 2640.00 |
| RB / Offset:     | 1 / 136 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5280.00         | H               | -                   | -                          | -75.52               | 2.23        | 33.71                   | -61.55                             | -25.00      | -36.55      |
| 7920.00         | H               | -                   | -                          | -77.51               | 7.39        | 36.88                   | -58.37                             | -25.00      | -33.37      |
| 10560.00        | H               | -                   | -                          | -79.22               | 11.35       | 39.13                   | -56.12                             | -25.00      | -31.12      |

Table 7-78. Radiated Spurious Data (NR Band n41 – High Channel – Ant B)

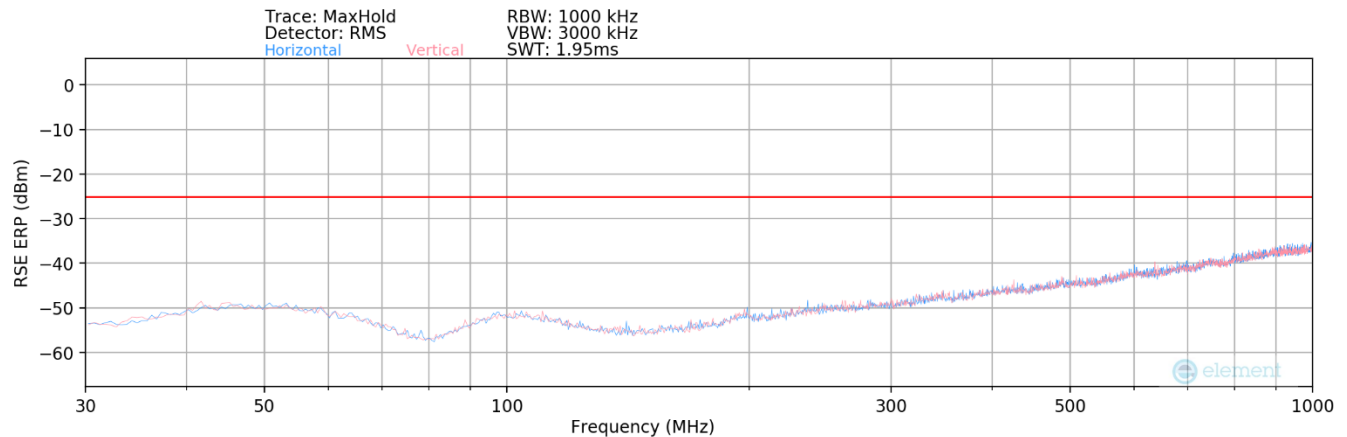
|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 2592.99 |
| RB / Offset:     | 1 / 136 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | ERP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|-----------------------------------|-------------|-------------|
| 274.06          | H               | -                   | -                          | -96.74               | 19.97       | 30.23                   | -67.18                            | -25.00      | -42.18      |
| 551.93          | H               | -                   | -                          | -95.86               | 25.52       | 36.66                   | -60.75                            | -25.00      | -35.75      |
| 822.95          | H               | -                   | -                          | -95.96               | 29.65       | 40.69                   | -56.72                            | -25.00      | -31.72      |

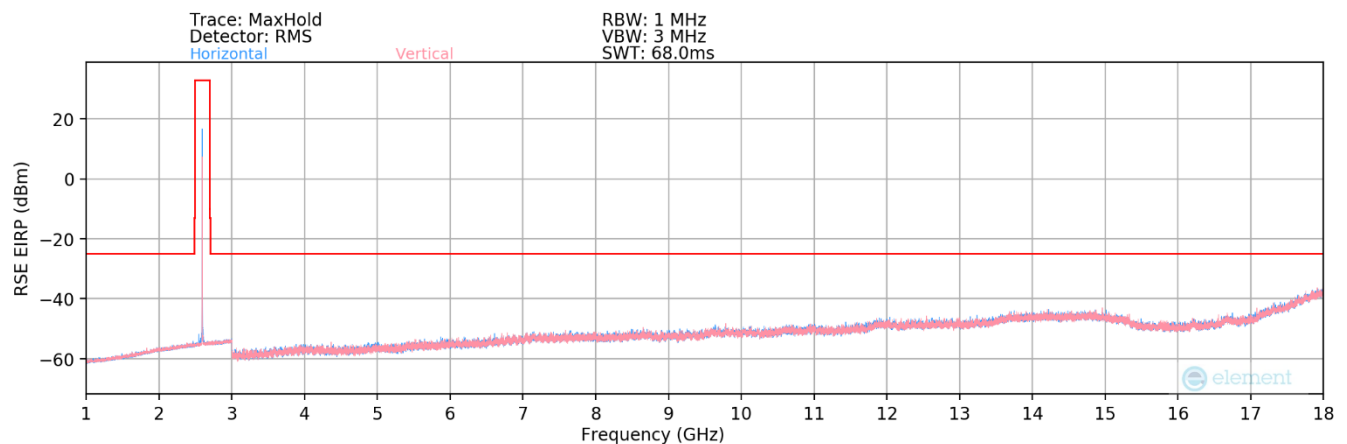
Table 7-79. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant B)

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 172 of 186                   |

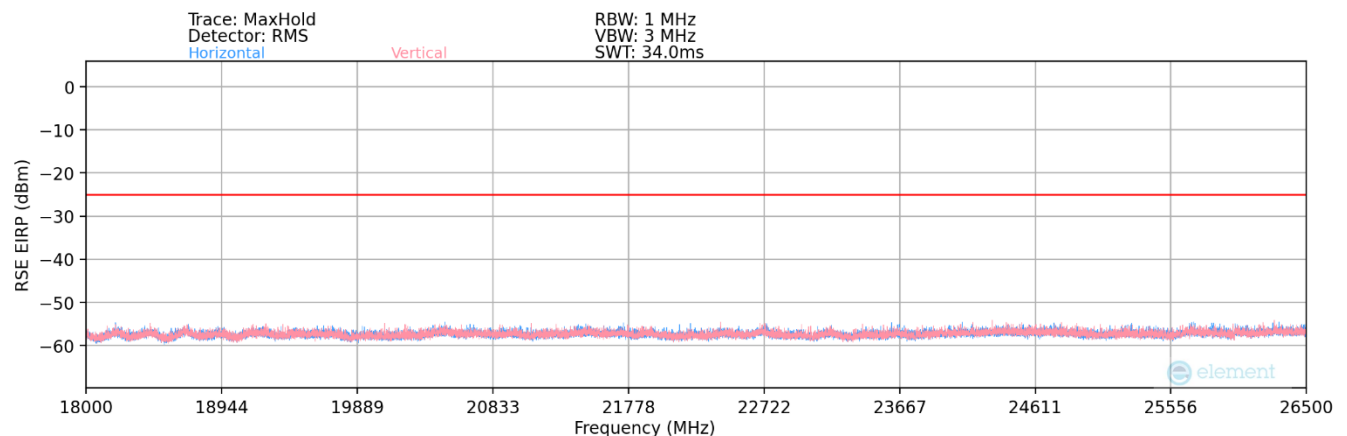
## NR Band n41 – Ant F – Switching



Plot 7-228. Radiated Spurious Plot (NR Band n41 – Ant F)



Plot 7-229. Radiated Spurious Plot (NR Band n41 – Ant F)



Plot 7-230. Radiated Spurious Plot (NR Band n41 – Ant F)

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 173 of 186                   |

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 2546.01 |
| RB / Offset:     | 1 / 136 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5092.02         | H               | -                   | -                          | -75.49               | 1.93        | 33.44                   | -61.82                             | -25.00      | -36.82      |
| 7638.03         | H               | -                   | -                          | -76.99               | 7.24        | 37.25                   | -58.01                             | -25.00      | -33.01      |
| 10184.04        | H               | -                   | -                          | -79.99               | 10.88       | 37.89                   | -57.37                             | -25.00      | -32.37      |

Table 7-80. Radiated Spurious Data (NR Band n41 – Low Channel – Ant F)

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 2592.99 |
| RB / Offset:     | 1 / 136 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5185.98         | H               | -                   | -                          | -75.48               | 2.23        | 33.75                   | -61.51                             | -25.00      | -36.51      |
| 7778.97         | H               | -                   | -                          | -77.68               | 7.42        | 36.74                   | -58.51                             | -25.00      | -33.51      |
| 10371.96        | H               | -                   | -                          | -79.78               | 11.13       | 38.35                   | -56.91                             | -25.00      | -31.91      |

Table 7-81. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant F)

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 2640.00 |
| RB / Offset:     | 1 / 136 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5280.00         | H               | -                   | -                          | -75.94               | 2.23        | 33.29                   | -61.97                             | -25.00      | -36.97      |
| 7920.00         | H               | -                   | -                          | -77.51               | 7.39        | 36.88                   | -58.37                             | -25.00      | -33.37      |
| 10560.00        | H               | -                   | -                          | -79.03               | 11.35       | 39.32                   | -55.93                             | -25.00      | -30.93      |

Table 7-82. Radiated Spurious Data (NR Band n41 – High Channel – Ant F)

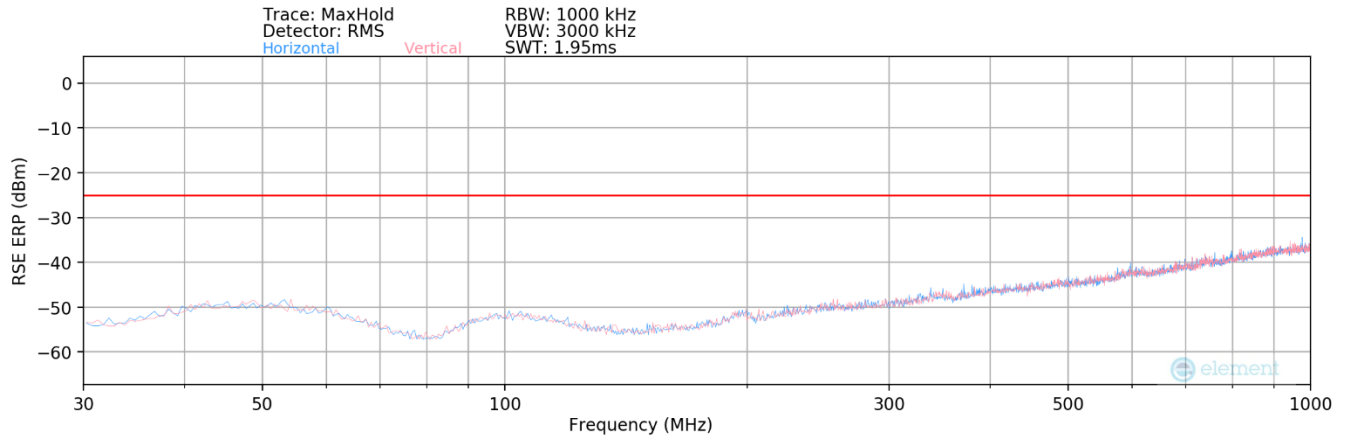
|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 2592.99 |
| RB / Offset:     | 1 / 136 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | ERP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|-----------------------------------|-------------|-------------|
| 295.20          | H               | -                   | -                          | -96.75               | 20.45       | 30.70                   | -66.70                            | -25.00      | -41.70      |
| 552.76          | H               | -                   | -                          | -95.93               | 25.54       | 36.61                   | -60.80                            | -25.00      | -35.80      |
| 992.66          | H               | -                   | -                          | -95.76               | 31.28       | 42.52                   | -54.89                            | -25.00      | -29.89      |

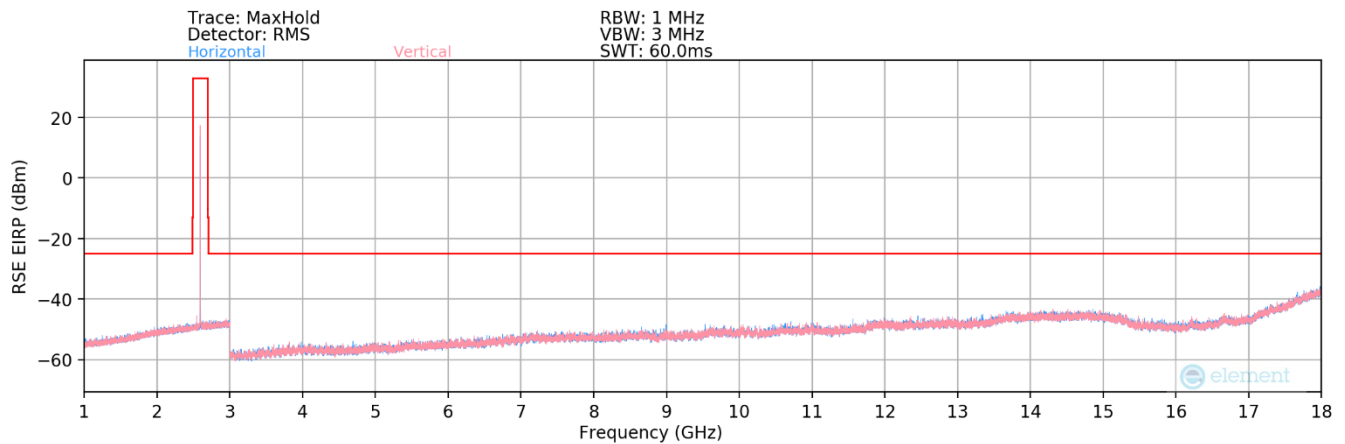
Table 7-83. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant F)

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 174 of 186                   |

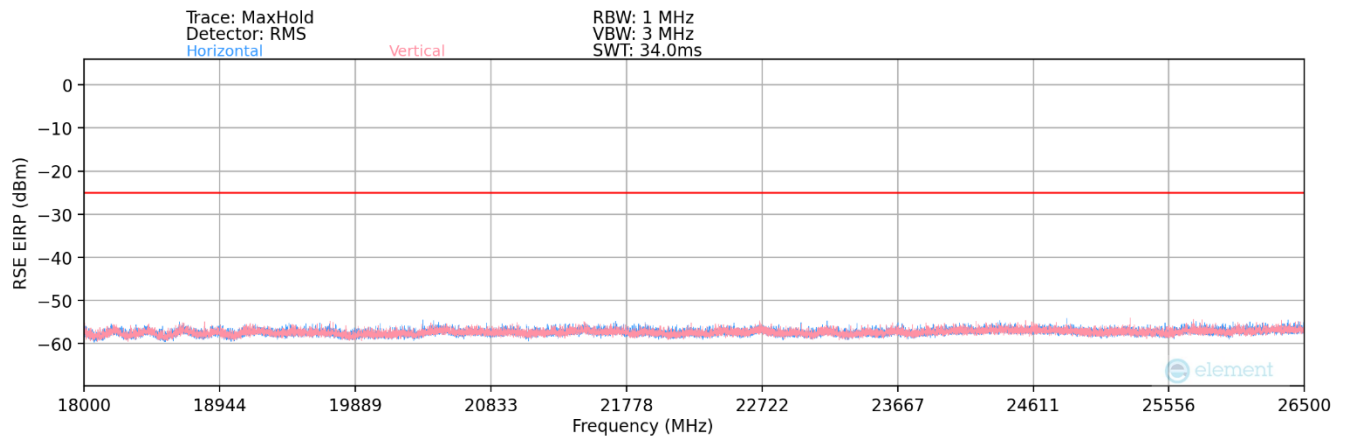
## NR Band n41 – Ant E – Default



Plot 7-231. Radiated Spurious Plot (NR Band n41 – Ant E)



Plot 7-232. Radiated Spurious Plot (NR Band n41 – Ant E)



Plot 7-233. Radiated Spurious Plot (NR Band n41 – Ant E)

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 175 of 186                   |



|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 2546.01 |
| RB / Offset:     | 1 / 136 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5092.02         | H               | 131                 | 316                        | -68.70               | 1.93        | 40.23                   | -55.03                             | -25.00      | -30.03      |
| 7638.03         | H               | -                   | -                          | -76.86               | 7.24        | 37.38                   | -57.88                             | -25.00      | -32.88      |
| 10184.04        | H               | -                   | -                          | -80.15               | 10.88       | 37.73                   | -57.53                             | -25.00      | -32.53      |
| 12730.05        | H               | -                   | -                          | -80.28               | 14.22       | 40.94                   | -54.32                             | -25.00      | -29.32      |

Table 7-84. Radiated Spurious Data (NR Band n41 – Low Channel – Ant E)

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 2592.99 |
| RB / Offset:     | 1 / 136 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5185.98         | H               | 127                 | 317                        | -73.92               | 2.23        | 35.31                   | -59.95                             | -25.00      | -34.95      |
| 7778.97         | H               | -                   | -                          | -77.56               | 7.42        | 36.86                   | -58.39                             | -25.00      | -33.39      |
| 10371.96        | H               | -                   | -                          | -79.84               | 11.13       | 38.29                   | -56.97                             | -25.00      | -31.97      |
| 12964.95        | H               | -                   | -                          | -79.52               | 14.06       | 41.54                   | -53.71                             | -25.00      | -28.71      |
| 18150.93        | H               | -                   | -                          | -51.89               | -3.22       | 51.89                   | -52.91                             | -25.00      | -27.91      |
| 20743.92        | H               | -                   | -                          | -52.29               | -3.37       | 51.34                   | -53.46                             | -25.00      | -28.46      |
| 23336.91        | H               | -                   | -                          | -51.93               | -3.60       | 51.47                   | -53.33                             | -25.00      | -28.33      |

Table 7-85. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant E)

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 2640.00 |
| RB / Offset:     | 1 / 136 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5280.00         | H               | -                   | -                          | -75.95               | 2.23        | 33.28                   | -61.98                             | -25.00      | -36.98      |
| 7920.00         | H               | -                   | -                          | -77.56               | 7.39        | 36.83                   | -58.42                             | -25.00      | -33.42      |
| 10560.00        | H               | -                   | -                          | -79.17               | 11.35       | 39.18                   | -56.07                             | -25.00      | -31.07      |
| 13200.00        | H               | -                   | -                          | -80.18               | 14.11       | 40.93                   | -54.32                             | -25.00      | -29.32      |

Table 7-86. Radiated Spurious Data (NR Band n41 – High Channel – Ant E)

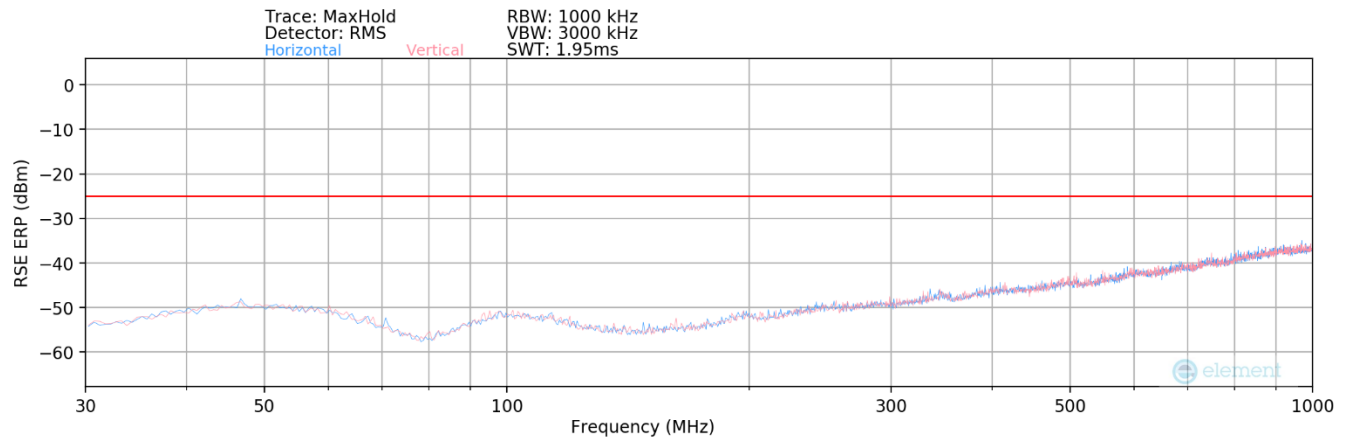
|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 2592.99 |
| RB / Offset:     | 1 / 136 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | ERP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|-----------------------------------|-------------|-------------|
| 290.61          | H               | -                   | -                          | -96.64               | 20.36       | 30.72                   | -66.68                            | -25.00      | -41.68      |
| 549.05          | H               | -                   | -                          | -96.11               | 25.45       | 36.34                   | -61.07                            | -25.00      | -36.07      |
| 973.49          | H               | -                   | -                          | -95.82               | 31.06       | 42.24                   | -55.17                            | -25.00      | -30.17      |

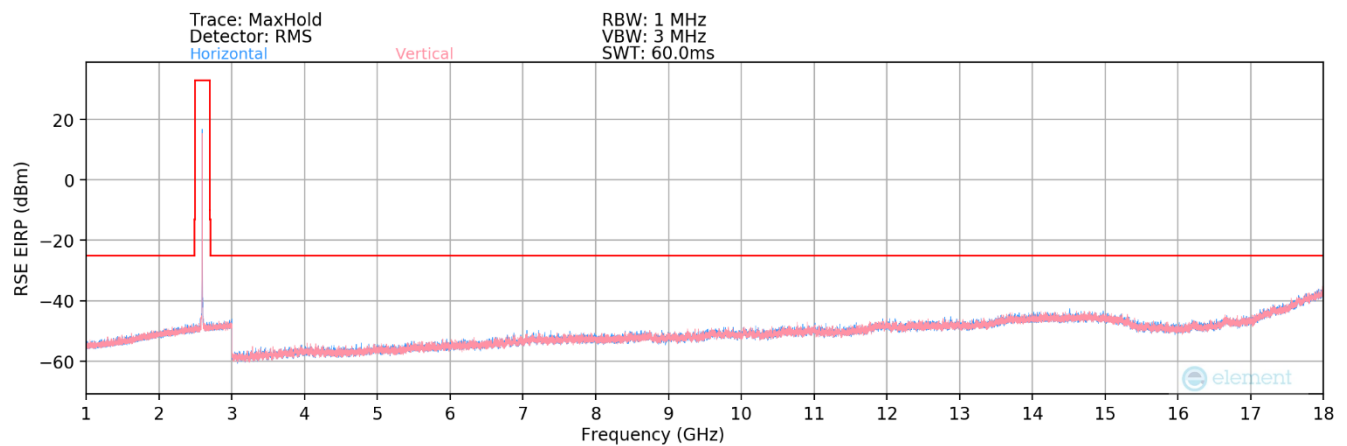
Table 7-87. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant E)

|                                         |                                        |                               |  |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|--|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               |  | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset |  | Page 176 of 186                   |

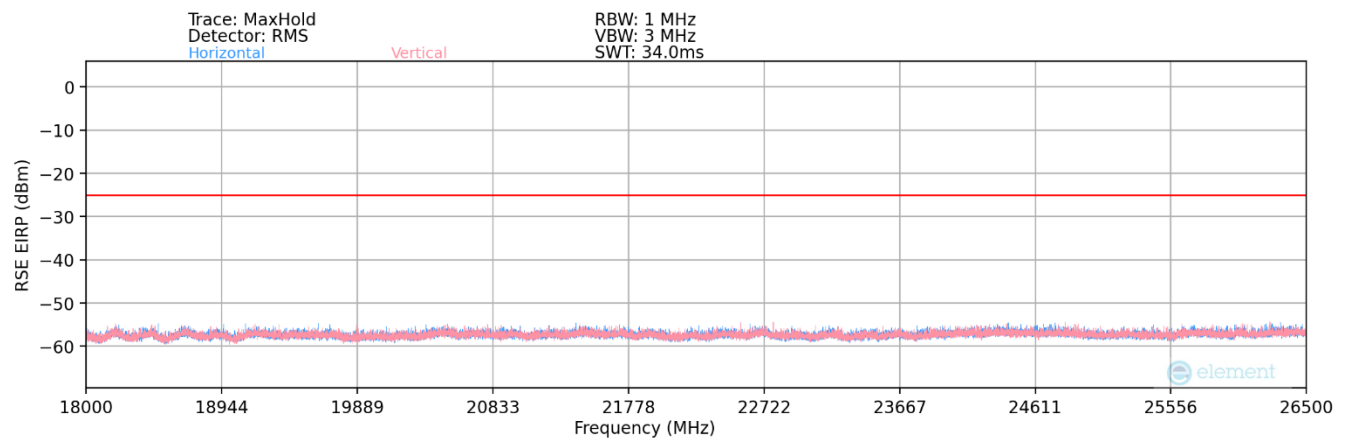
## NR Band n41 – Ant D – Switching



Plot 7-234. Radiated Spurious Plot (NR Band n41 – Ant D)



Plot 7-235. Radiated Spurious Plot (NR Band n41 – Ant D)



Plot 7-236. Radiated Spurious Plot (NR Band n41 – Ant D)

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 177 of 186                   |

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 2546.01 |
| RB / Offset:     | 1 / 136 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5092.02         | H               | -                   | -                          | -75.36               | 1.93        | 33.57                   | -61.69                             | -25.00      | -36.69      |
| 7638.03         | H               | -                   | -                          | -76.85               | 7.24        | 37.39                   | -57.87                             | -25.00      | -32.87      |
| 10184.04        | H               | -                   | -                          | -79.89               | 10.88       | 37.99                   | -57.27                             | -25.00      | -32.27      |

Table 7-88. Radiated Spurious Data (NR Band n41 – Low Channel – Ant D)

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 2592.99 |
| RB / Offset:     | 1 / 136 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5185.98         | H               | -                   | -                          | -75.50               | 2.23        | 33.73                   | -61.53                             | -25.00      | -36.53      |
| 7778.97         | H               | -                   | -                          | -77.70               | 7.42        | 36.72                   | -58.53                             | -25.00      | -33.53      |
| 10371.96        | H               | -                   | -                          | -79.76               | 11.13       | 38.37                   | -56.89                             | -25.00      | -31.89      |

Table 7-89. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant D)

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 2640.00 |
| RB / Offset:     | 1 / 136 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5280.00         | H               | -                   | -                          | -75.86               | 2.23        | 33.37                   | -61.89                             | -25.00      | -36.89      |
| 7920.00         | H               | -                   | -                          | -77.53               | 7.39        | 36.86                   | -58.39                             | -25.00      | -33.39      |
| 10560.00        | H               | -                   | -                          | -79.03               | 11.35       | 39.32                   | -55.93                             | -25.00      | -30.93      |

Table 7-90. Radiated Spurious Data (NR Band n41 – High Channel – Ant D)

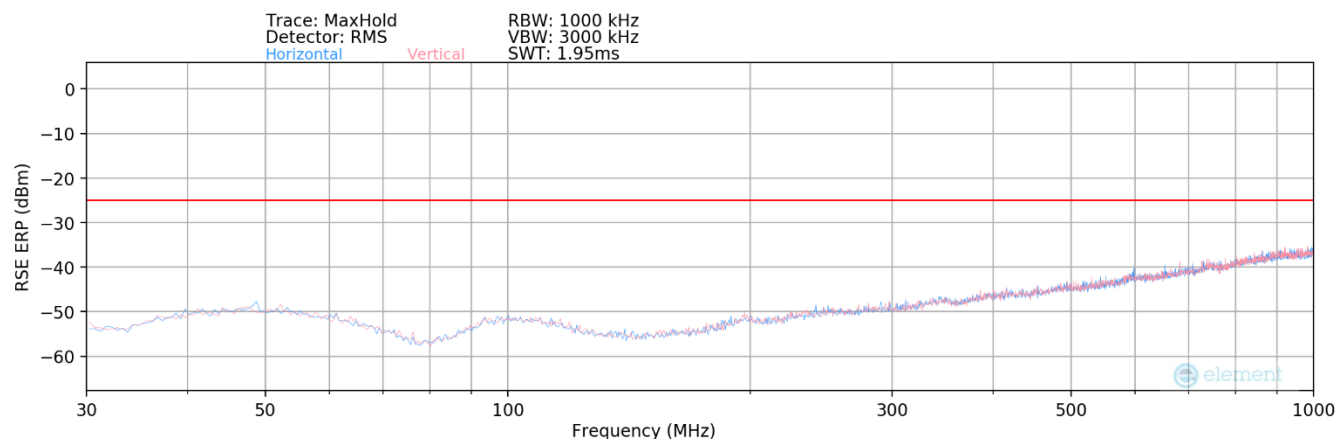
|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 2592.99 |
| RB / Offset:     | 1 / 136 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | ERP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|-----------------------------------|-------------|-------------|
| 272.39          | H               | -                   | -                          | -96.78               | 19.90       | 30.12                   | -67.29                            | -25.00      | -42.29      |
| 547.40          | H               | -                   | -                          | -96.08               | 25.40       | 36.32                   | -61.08                            | -25.00      | -36.08      |
| 955.26          | H               | -                   | -                          | -95.83               | 30.78       | 41.95                   | -55.46                            | -25.00      | -30.46      |

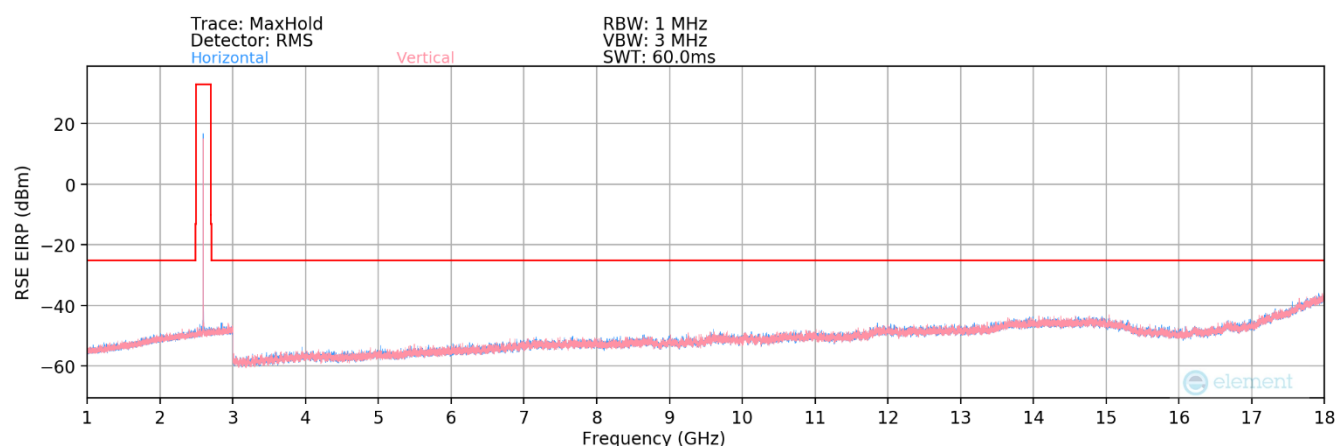
Table 7-91. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant D)

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 178 of 186                   |

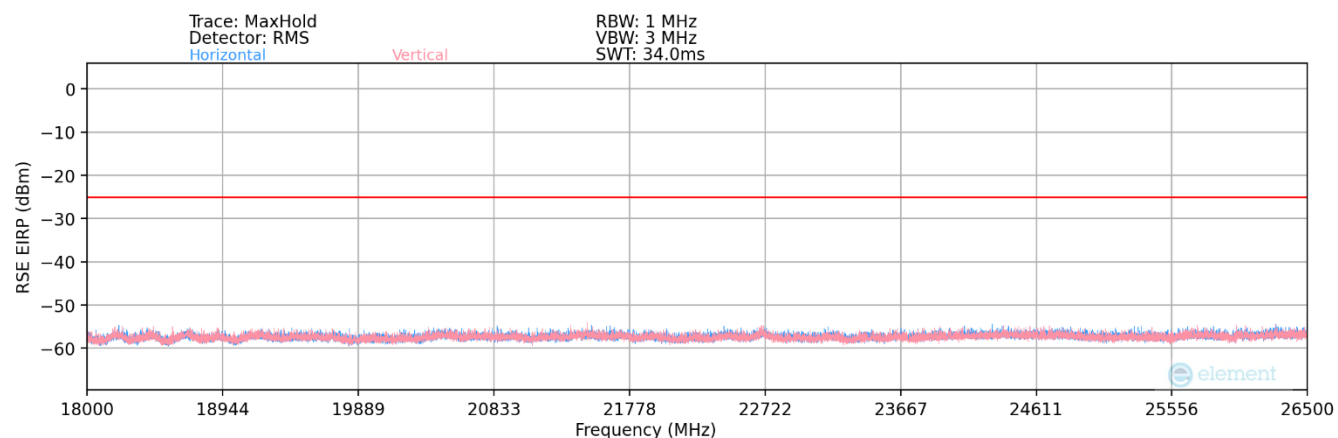
## NR Band n41 – Ant D – Default



Plot 7-237. Radiated Spurious Plot (NR Band n41 – Ant D)



Plot 7-238. Radiated Spurious Plot (NR Band n41 – Ant D)



Plot 7-239. Radiated Spurious Plot (NR Band n41 – Ant D)

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 179 of 186                   |

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 2546.01 |
| RB / Offset:     | 1 / 136 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5092.02         | H               | -                   | -                          | -75.38               | 1.93        | 33.55                   | -61.71                             | -25.00      | -36.71      |
| 7638.03         | H               | -                   | -                          | -76.83               | 7.24        | 37.41                   | -57.85                             | -25.00      | -32.85      |
| 10184.04        | H               | -                   | -                          | -79.99               | 10.88       | 37.89                   | -57.37                             | -25.00      | -32.37      |

Table 7-92. Radiated Spurious Data (NR Band n41 – Low Channel – Ant D)

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 2592.99 |
| RB / Offset:     | 1 / 136 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5185.98         | H               | -                   | -                          | -75.58               | 2.23        | 33.65                   | -61.61                             | -25.00      | -36.61      |
| 7778.97         | H               | -                   | -                          | -77.76               | 7.42        | 36.66                   | -58.59                             | -25.00      | -33.59      |
| 10371.96        | H               | -                   | -                          | -79.84               | 11.13       | 38.29                   | -56.97                             | -25.00      | -31.97      |
| 18150.93        | H               | -                   | -                          | -51.44               | -3.22       | 52.34                   | -52.46                             | -25.00      | -27.46      |
| 20743.92        | H               | -                   | -                          | -52.38               | -3.37       | 51.25                   | -53.55                             | -25.00      | -28.55      |
| 23336.91        | H               | -                   | -                          | -51.79               | -3.60       | 51.61                   | -53.19                             | -25.00      | -28.19      |

Table 7-93. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant D)

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 2640.00 |
| RB / Offset:     | 1 / 136 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5280.00         | H               | -                   | -                          | -75.48               | 2.23        | 33.75                   | -61.51                             | -25.00      | -36.51      |
| 7920.00         | H               | -                   | -                          | -77.19               | 7.39        | 37.20                   | -58.05                             | -25.00      | -33.05      |
| 10560.00        | H               | -                   | -                          | -79.14               | 11.35       | 39.21                   | -56.04                             | -25.00      | -31.04      |

Table 7-94. Radiated Spurious Data (NR Band n41 – High Channel – Ant D)

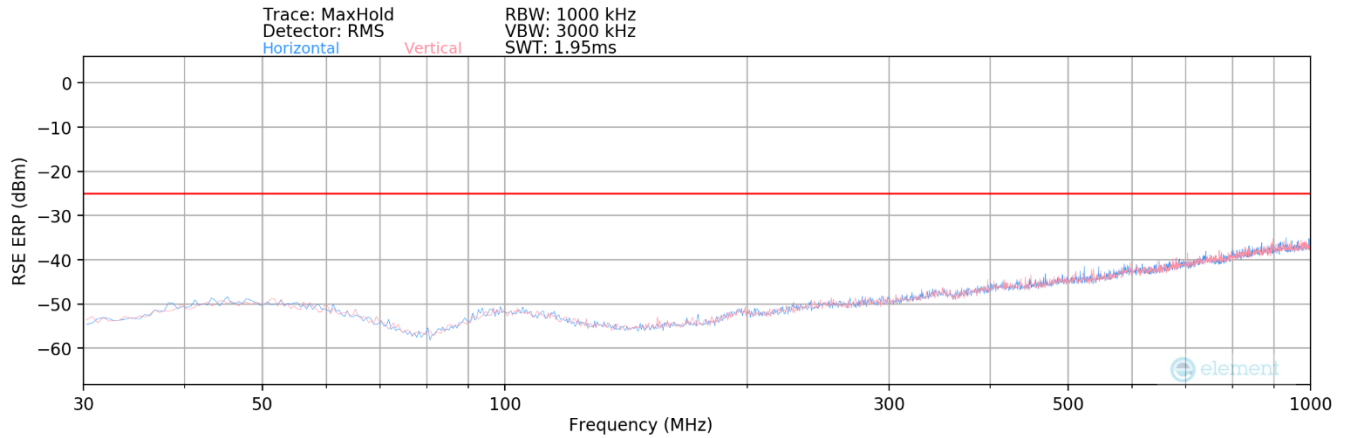
|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 2592.99 |
| RB / Offset:     | 1 / 136 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | ERP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|-----------------------------------|-------------|-------------|
| 272.53          | H               | -                   | -                          | -96.63               | 19.91       | 30.28                   | -67.13                            | -25.00      | -42.13      |
| 548.22          | H               | -                   | -                          | -95.90               | 25.43       | 36.53                   | -60.88                            | -25.00      | -35.88      |
| 907.19          | H               | -                   | -                          | -95.95               | 30.63       | 41.68                   | -55.72                            | -25.00      | -30.72      |

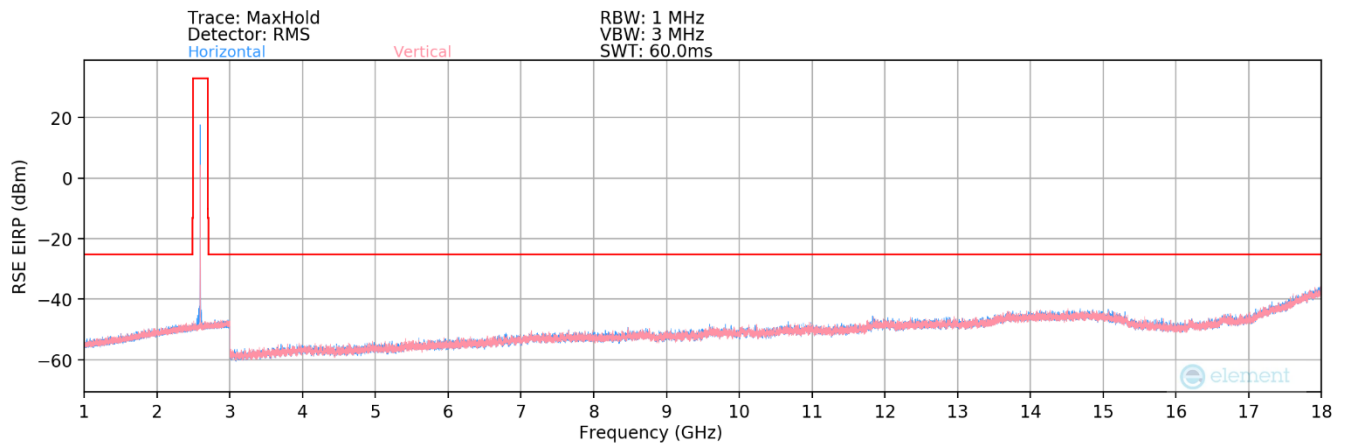
Table 7-95. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant D)

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 180 of 186                   |

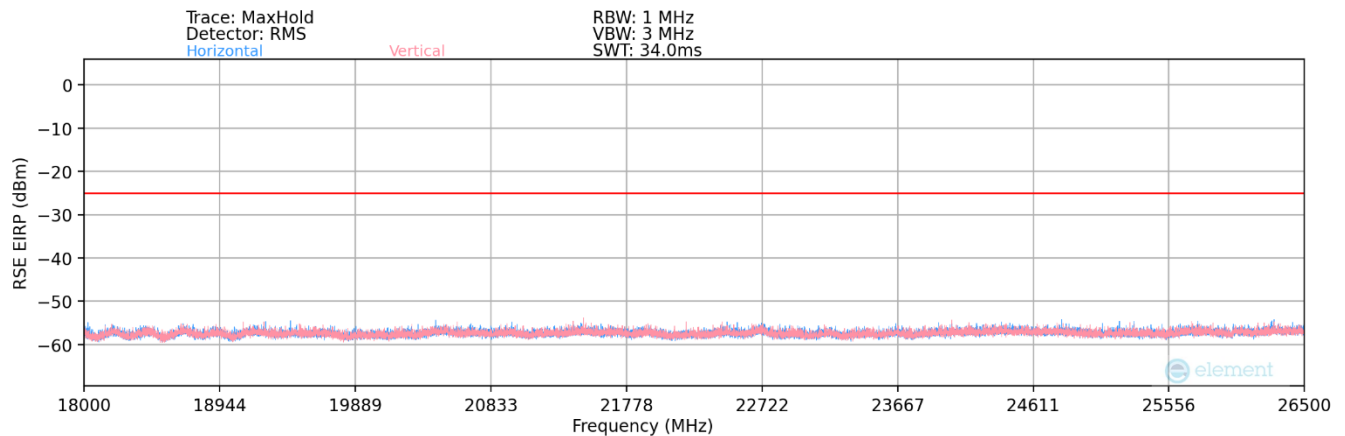
## NR Band n41 – Ant E – Switching



Plot 7-240. Radiated Spurious Plot (NR Band n41 – Ant E)



Plot 7-241. Radiated Spurious Plot (NR Band n41 – Ant E)



Plot 7-242. Radiated Spurious Plot (NR Band n41 – Ant E)

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 181 of 186                   |

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 2546.01 |
| RB / Offset:     | 1 / 136 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5092.02         | H               | -                   | -                          | -75.23               | 1.93        | 33.70                   | -61.56                             | -25.00      | -36.56      |
| 7638.03         | H               | -                   | -                          | -76.69               | 7.24        | 37.55                   | -57.71                             | -25.00      | -32.71      |
| 10184.04        | H               | -                   | -                          | -79.90               | 10.88       | 37.98                   | -57.28                             | -25.00      | -32.28      |

Table 7-96. Radiated Spurious Data (NR Band n41 – Low Channel – Ant E)

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 2592.99 |
| RB / Offset:     | 1 / 136 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5185.98         | H               | -                   | -                          | -75.39               | 2.23        | 33.84                   | -61.42                             | -25.00      | -36.42      |
| 7778.97         | H               | -                   | -                          | -77.65               | 7.42        | 36.77                   | -58.48                             | -25.00      | -33.48      |
| 10371.96        | H               | -                   | -                          | -79.72               | 11.13       | 38.41                   | -56.85                             | -25.00      | -31.85      |

Table 7-97. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant E)

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 2640.00 |
| RB / Offset:     | 1 / 136 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 5280.00         | H               | -                   | -                          | -75.90               | 2.23        | 33.33                   | -61.93                             | -25.00      | -36.93      |
| 7920.00         | H               | -                   | -                          | -77.48               | 7.39        | 36.91                   | -58.34                             | -25.00      | -33.34      |
| 10560.00        | H               | -                   | -                          | -79.04               | 11.35       | 39.31                   | -55.94                             | -25.00      | -30.94      |

Table 7-98. Radiated Spurious Data (NR Band n41 – High Channel – Ant E)

|                  |         |
|------------------|---------|
| Bandwidth (MHz): | 100     |
| Frequency (MHz): | 2592.99 |
| RB / Offset:     | 1 / 136 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | ERP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|-----------------------------------|-------------|-------------|
| 281.99          | H               | -                   | -                          | -96.72               | 20.21       | 30.49                   | -66.92                            | -25.00      | -41.92      |
| 551.52          | H               | -                   | -                          | -96.13               | 25.51       | 36.38                   | -61.03                            | -25.00      | -36.03      |
| 968.24          | H               | -                   | -                          | -95.92               | 30.95       | 42.03                   | -55.38                            | -25.00      | -30.38      |

Table 7-99. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant E)

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 182 of 186                   |

## 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

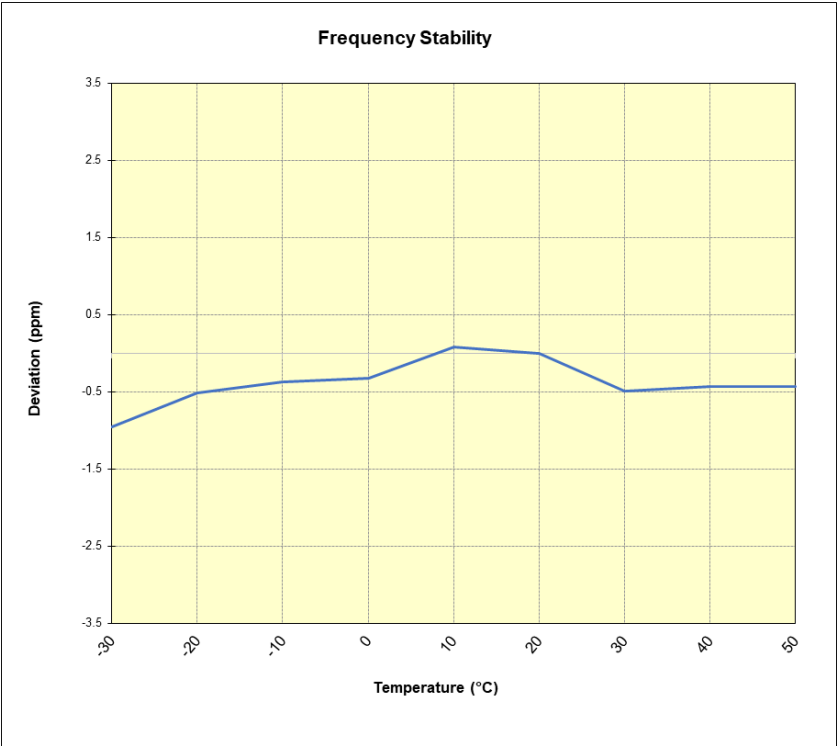
|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 183 of 186                   |



LTE Band 41

| LTE Band 41/38            |             |            |                |                 |               |
|---------------------------|-------------|------------|----------------|-----------------|---------------|
| Operating Frequency (Hz): |             |            | 2,593,000,000  |                 |               |
| Ref. Voltage (VDC):       |             |            | 3.863          |                 |               |
| Voltage (%)               | Power (VDC) | Temp (°C)  | Frequency (Hz) | Freq. Dev. (Hz) | Deviation (%) |
| 100 %                     | 3.863       | - 30       | 2,593,097,129  | -2,479          | -0.0000956    |
|                           |             | - 20       | 2,593,098,259  | -1,349          | -0.0000520    |
|                           |             | - 10       | 2,593,098,654  | -954            | -0.0000368    |
|                           |             | 0          | 2,593,098,752  | -856            | -0.0000330    |
|                           |             | + 10       | 2,593,099,804  | 196             | 0.0000076     |
|                           |             | + 20 (Ref) | 2,593,099,608  | 0               | 0.0000000     |
|                           |             | + 30       | 2,593,098,323  | -1,285          | -0.0000496    |
|                           |             | + 40       | 2,593,098,495  | -1,113          | -0.0000429    |
|                           |             | + 50       | 2,593,098,499  | -1,109          | -0.0000428    |
| Battery Endpoint          | 3.174       | + 20       | 2,593,100,144  | 536             | 0.0000207     |

Table 7-100. LTE Band 41(PC2) Frequency Stability Data



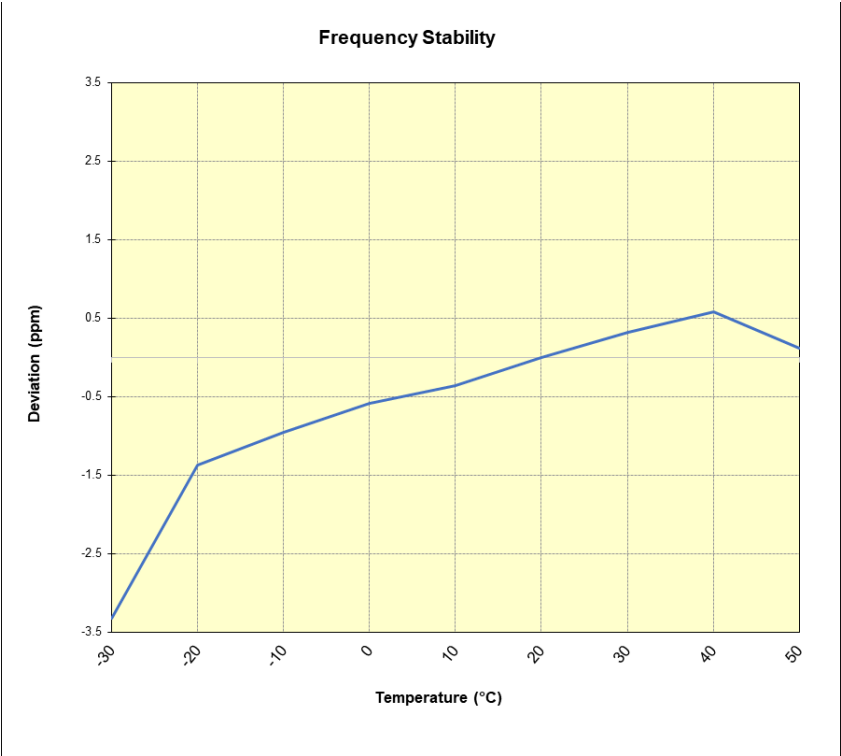
Plot 7-243. LTE Band 41(PC2) Frequency Stability Chart

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 184 of 186                   |

NR Band n41

| NR Band n41      |             |                           |                |                 |               |
|------------------|-------------|---------------------------|----------------|-----------------|---------------|
|                  |             | Operating Frequency (Hz): |                | 2,593,000,000   |               |
|                  |             | Ref. Voltage (VDC):       |                | 3.863           |               |
| Voltage (%)      | Power (VDC) | Temp (°C)                 | Frequency (Hz) | Freq. Dev. (Hz) | Deviation (%) |
| 100 %            | 3.863       | - 30                      | 2,593,085,352  | -8,594          | -0.0003314    |
|                  |             | - 20                      | 2,593,090,411  | -3,535          | -0.0001363    |
|                  |             | - 10                      | 2,593,091,475  | -2,471          | -0.0000953    |
|                  |             | 0                         | 2,593,092,444  | -1,502          | -0.0000579    |
|                  |             | + 10                      | 2,593,093,014  | -932            | -0.0000359    |
|                  |             | + 20 (Ref)                | 2,593,093,946  | 0               | 0.0000000     |
|                  |             | + 30                      | 2,593,094,781  | 835             | 0.0000322     |
|                  |             | + 40                      | 2,593,095,470  | 1,524           | 0.0000588     |
|                  |             | + 50                      | 2,593,094,247  | 301             | 0.0000116     |
| Battery Endpoint | 3.174       | + 20                      | 2,593,093,444  | -502            | -0.0000194    |

Table 7-101. NR Band n41 Frequency Stability Data



Plot 7-244. NR Band n41 Frequency Stability Chart

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 185 of 186                   |

## 8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Samsung Portable Handset** **FCC ID: A3LSMS938B** complies with all the requirements of Part 27 of the FCC rules.

|                                         |                                        |                               |                                   |
|-----------------------------------------|----------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS938B                      | PART 27 MEASUREMENT REPORT             |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260069-07.A3L | Test Dates:<br>09/03/2024 - 11/05/2024 | EUT Type:<br>Portable Handset | Page 186 of 186                   |