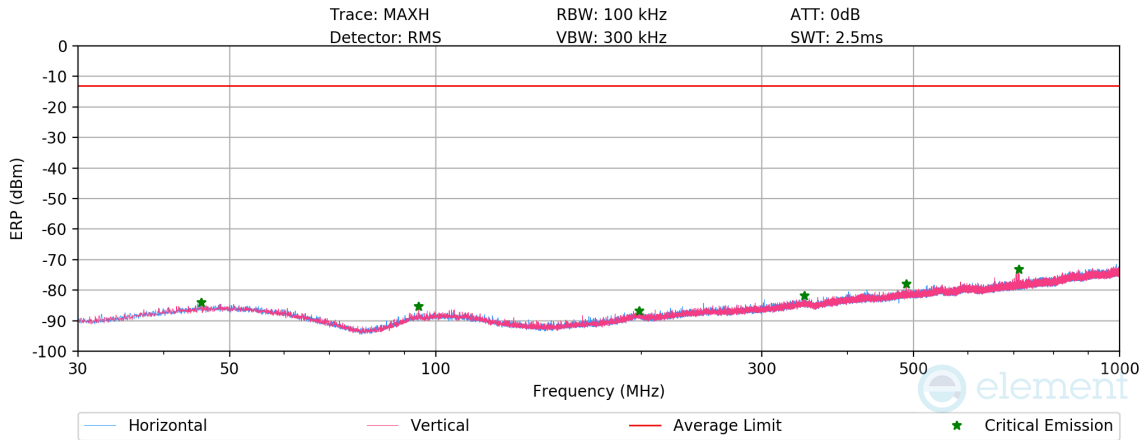
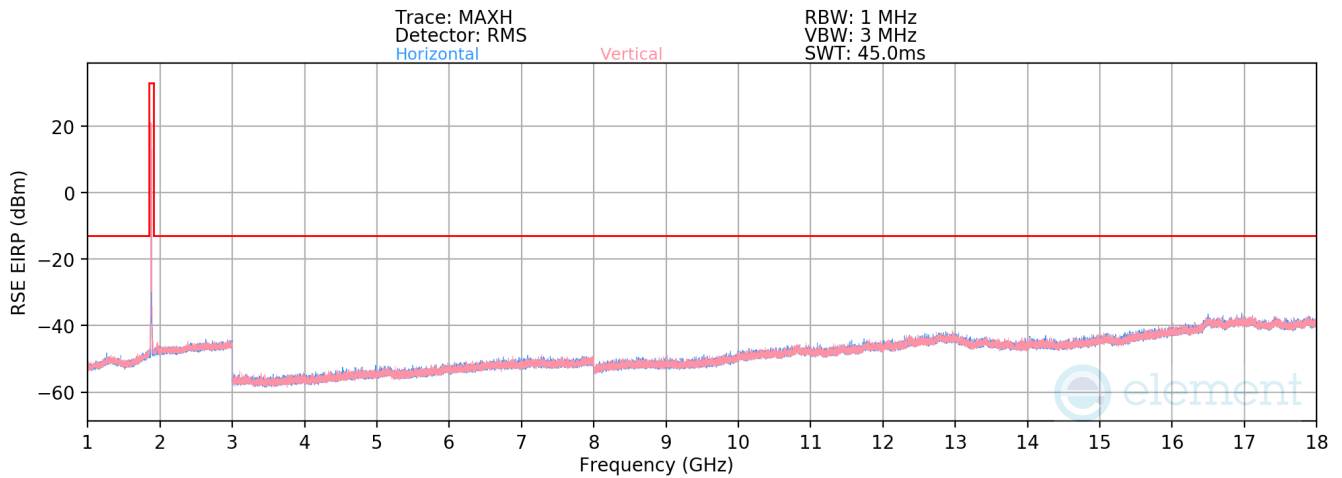


## NR Band n25/2 – Ant1



**Plot 7-243. Radiated Spurious Plot (NR Band n25/2 - Ant1)**



**Plot 7-244. Radiated Spurious Plot (NR Band n25/2 - Ant1)**

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 40     |
| Frequency (MHz): | 1882.5 |
| RB / Offset:     | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 1               | V               | -                   | -                          | -106.25              | -11.97      | 11.22                   | -84.04                             | -13.00      | -71.04      |
| 1               | V               | -                   | -                          | -102.60              | -14.37      | 9.97                    | -85.29                             | -13.00      | -72.29      |
| 3               | V               | -                   | -                          | -102.34              | -13.20      | 8.54                    | -86.72                             | -13.00      | -73.72      |
| 3               | H               | -                   | -                          | -111.50              | -8.99       | 13.49                   | -81.77                             | -13.00      | -68.77      |
| 3               | V               | -                   | -                          | -118.47              | -5.92       | 17.39                   | -77.87                             | -13.00      | -64.87      |
| 3               | V               | -                   | -                          | -127.57              | -1.57       | 22.14                   | -73.12                             | -13.00      | -60.12      |

**Table 7-33. Radiated Spurious Data (NR Band n25/2 – Mid Channel - Ant1)**

|                                         |                                      |                               |  |                                   |
|-----------------------------------------|--------------------------------------|-------------------------------|--|-----------------------------------|
| FCC ID: A3LSMS936U                      | PART 24 MEASUREMENT REPORT           |                               |  | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260064-02.A3L | Test Dates:<br>9/4/2024 - 10/10/2024 | EUT Type:<br>Portable Handset |  | Page 166 of 177                   |

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 1860.0 |
| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 3707.4          | H               | -                   | -                          | -81.35               | 6.93        | 32.57                   | -62.69                             | -13.00      | -49.69      |
| 5601.2          | H               | -                   | -                          | -83.42               | 11.58       | 35.16                   | -60.10                             | -13.00      | -47.10      |
| 7453.6          | H               | -                   | -                          | -83.64               | 13.77       | 37.13                   | -58.12                             | -13.00      | -45.12      |

**Table 7-34. Radiated Spurious Data (NR Band n25/2 – Low Channel - Ant1)**

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 1882.5 |
| RB / Offset:     | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 3786.0          | V               | -                   | -                          | -81.36               | 7.21        | 32.85                   | -62.41                             | -13.00      | -49.41      |
| 5629.1          | H               | -                   | -                          | -83.30               | 11.47       | 35.16                   | -60.10                             | -13.00      | -47.10      |
| 7519.8          | V               | -                   | -                          | -83.60               | 13.89       | 37.28                   | -57.98                             | -13.00      | -44.98      |

**Table 7-35. Radiated Spurious Data (NR Band n25/2 – Mid Channel - Ant1)**

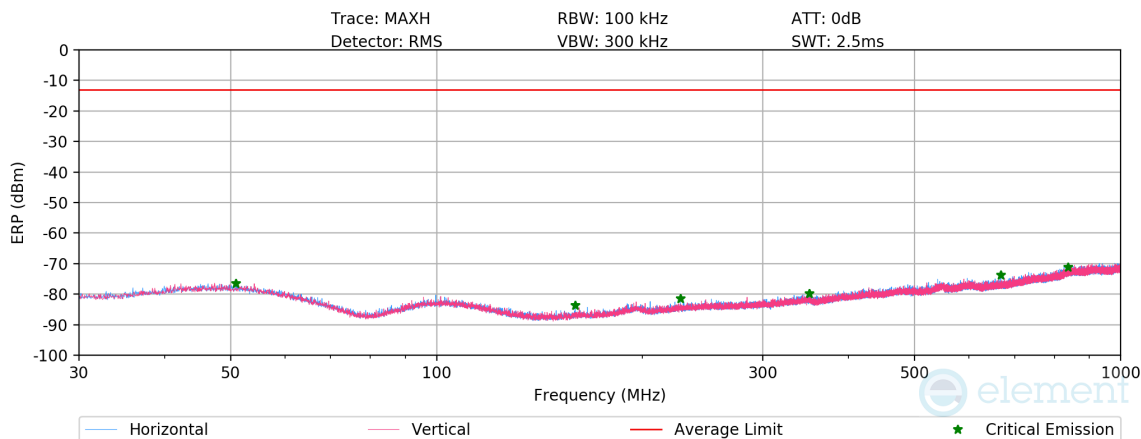
|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 1905.0 |
| RB / Offset:     | 1 / 50 |

| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 3791.8          | H               | -                   | -                          | -81.56               | 7.36        | 32.80                   | -62.46                             | -13.00      | -49.46      |
| 5727.9          | H               | -                   | -                          | -83.49               | 11.70       | 35.21                   | -60.05                             | -13.00      | -47.05      |
| 7628.6          | H               | -                   | -                          | -83.67               | 13.64       | 36.97                   | -58.29                             | -13.00      | -45.29      |

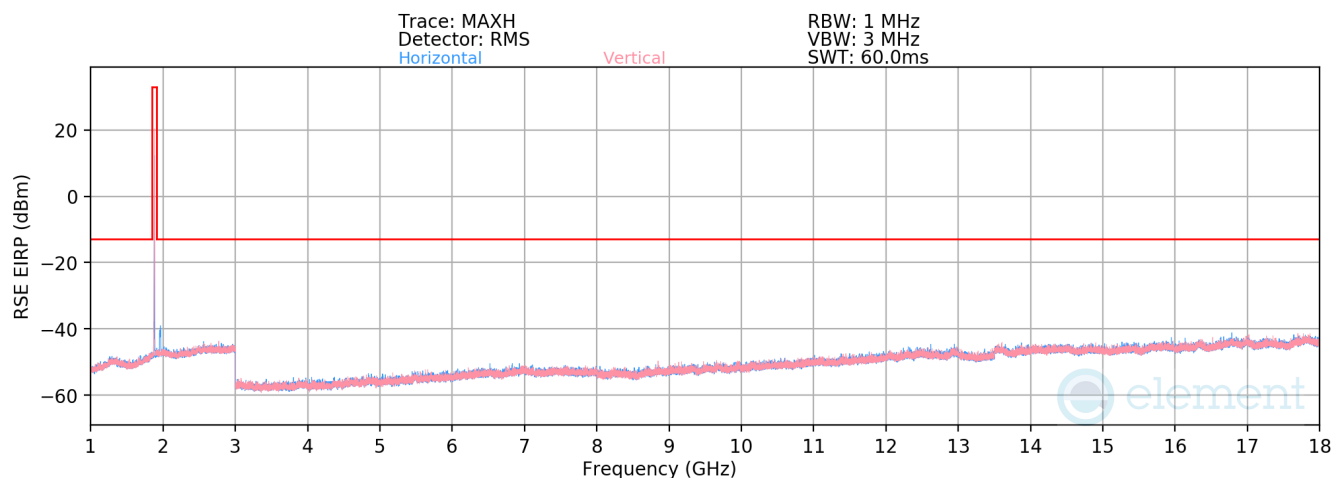
**Table 7-36. Radiated Spurious Data (NR Band n25/2 – High Channel - Ant1)**

|                                         |                                      |                               |                                   |
|-----------------------------------------|--------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS936U                      | PART 24 MEASUREMENT REPORT           |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260064-02.A3L | Test Dates:<br>9/4/2024 - 10/10/2024 | EUT Type:<br>Portable Handset | Page 167 of 177                   |

## LTE Band 25/2 – Ant2



**Plot 7-245. Radiated Spurious Plot (LTE Band 25/2 - Ant2)**



**Plot 7-246. Radiated Spurious Plot (LTE Band 25/2 - Ant2)**

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 1882.5 |
| RB / Offset:     | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 51.6            | V               | -                   | -                          | -71.38               | -6.95       | 28.67                   | -69.09                             | -13.00      | -56.09      |
| 91.7            | V               | -                   | -                          | -75.09               | -9.16       | 22.75                   | -75.01                             | -13.00      | -62.01      |
| 145.8           | H               | -                   | -                          | -77.30               | -4.51       | 25.19                   | -72.57                             | -13.00      | -59.57      |
| 192.2           | H               | -                   | -                          | -77.91               | -1.71       | 27.38                   | -70.38                             | -13.00      | -57.38      |
| 303.9           | H               | -                   | -                          | -77.33               | 0.71        | 30.38                   | -67.38                             | -13.00      | -54.38      |
| 330.0           | V               | -                   | -                          | -79.19               | 5.72        | 33.53                   | -64.22                             | -13.00      | -51.22      |

**Table 7-37. Radiated Spurious Data (LTE Band 25/2 – Mid Channel - Ant2)**

|                                         |                                      |                               |  |                                   |
|-----------------------------------------|--------------------------------------|-------------------------------|--|-----------------------------------|
| FCC ID: A3LSMS936U                      | PART 24 MEASUREMENT REPORT           |                               |  | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260064-02.A3L | Test Dates:<br>9/4/2024 - 10/10/2024 | EUT Type:<br>Portable Handset |  | Page 168 of 177                   |

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 1860.0 |
| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 3720.0          | H               | -                   | -                          | -80.77               | 7.09        | 33.32                   | -61.93                             | -13.00      | -48.93      |
| 5580.0          | H               | -                   | -                          | -82.99               | 11.58       | 35.59                   | -59.67                             | -13.00      | -46.67      |
| 7440.0          | H               | 271                 | 303                        | -80.13               | 13.71       | 40.58                   | -54.68                             | -13.00      | -41.68      |
| 9300.0          | H               | -                   | -                          | -83.59               | 15.36       | 38.77                   | -56.49                             | -13.00      | -43.49      |
| 11160.0         | H               | -                   | -                          | -84.98               | 19.90       | 41.92                   | -53.34                             | -13.00      | -40.34      |
| 13020.0         | H               | -                   | -                          | -85.11               | 22.55       | 44.43                   | -50.82                             | -13.00      | -37.82      |

**Table 7-38. Radiated Spurious Data (LTE Band 25/2 – Low Channel - Ant2)**

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 1882.5 |
| RB / Offset:     | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 3765.0          | V               | -                   | -                          | -80.85               | 7.21        | 33.36                   | -61.90                             | -13.00      | -48.90      |
| 5647.5          | V               | -                   | -                          | -82.79               | 11.55       | 35.76                   | -59.50                             | -13.00      | -46.50      |
| 7530.0          | H               | -                   | -                          | -81.46               | 13.93       | 39.48                   | -55.78                             | -13.00      | -42.78      |

**Table 7-39. Radiated Spurious Data (LTE Band 25/2 – Mid Channel - Ant2)**

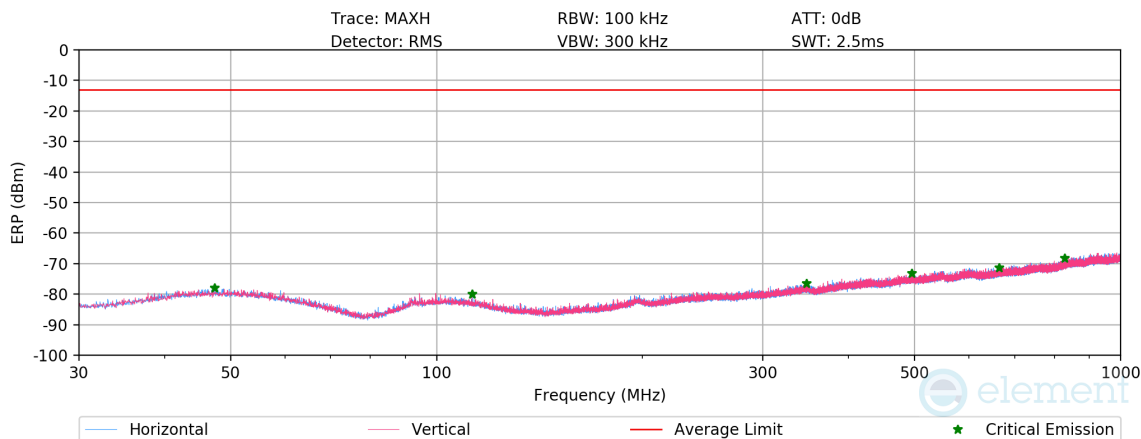
|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 1905.0 |
| RB / Offset:     | 1 / 50 |

| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 3810.00         | H               | -                   | -                          | -81.08               | 7.36        | 33.28                   | -61.98                             | -13.00      | -48.98      |
| 5715.00         | H               | -                   | -                          | -83.04               | 11.70       | 35.67                   | -59.59                             | -13.00      | -46.59      |
| 7620.00         | H               | -                   | -                          | -81.44               | 13.64       | 39.20                   | -56.06                             | -13.00      | -43.06      |

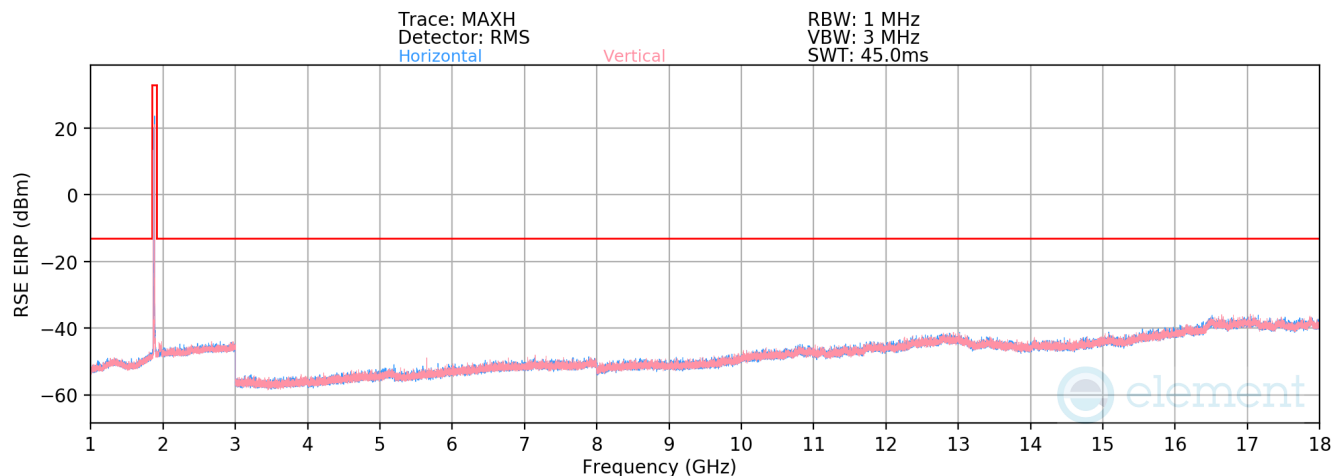
**Table 7-40. Radiated Spurious Data (LTE Band 25/2 – High Channel - Ant2)**

|                                         |                                      |                               |                                   |
|-----------------------------------------|--------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS936U                      | PART 24 MEASUREMENT REPORT           |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260064-02.A3L | Test Dates:<br>9/4/2024 - 10/10/2024 | EUT Type:<br>Portable Handset | Page 169 of 177                   |

## NR Band n25/2 – Ant2



**Plot 7-247. Radiated Spurious Plot (NR Band n25/2 - Ant2)**



**Plot 7-248. Radiated Spurious Plot (NR Band n25/2 - Ant2)**

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 40     |
| Frequency (MHz): | 1882.5 |
| RB / Offset:     | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 45.5            | V               | -                   | -                          | -118.45              | -5.86       | 17.31                   | -77.95                             | -13.00      | -64.95      |
| 94.5            | V               | -                   | -                          | -113.99              | -8.34       | 15.33                   | -79.93                             | -13.00      | -66.93      |
| 198.6           | V               | -                   | -                          | -122.94              | -2.88       | 18.82                   | -76.44                             | -13.00      | -63.44      |
| 345.9           | H               | -                   | -                          | -129.20              | 0.17        | 22.03                   | -73.23                             | -13.00      | -60.23      |
| 487.6           | V               | -                   | -                          | -134.60              | 3.64        | 23.96                   | -71.30                             | -13.00      | -58.30      |
| 712.6           | V               | -                   | -                          | -140.84              | 6.82        | 27.02                   | -68.24                             | -13.00      | -55.24      |

**Table 7-41. Radiated Spurious Data (NR Band n25/2 – Mid Channel - Ant2)**

|                                         |                                      |                               |  |                                   |
|-----------------------------------------|--------------------------------------|-------------------------------|--|-----------------------------------|
| FCC ID: A3LSMS936U                      | PART 24 MEASUREMENT REPORT           |                               |  | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260064-02.A3L | Test Dates:<br>9/4/2024 - 10/10/2024 | EUT Type:<br>Portable Handset |  | Page 170 of 177                   |

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 40     |
| Frequency (MHz): | 1870.0 |
| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 3743.0          | H               | -                   | -                          | -81.46               | 7.35        | 32.89                   | -62.37                             | -13.00      | -49.37      |
| 5599.8          | H               | -                   | -                          | -83.19               | 11.59       | 35.41                   | -59.85                             | -13.00      | -46.85      |
| 7503.6          | H               | -                   | -                          | -83.20               | 13.73       | 37.53                   | -57.72                             | -13.00      | -44.72      |

**Table 7-42. Radiated Spurious Data (NR Band n25/2 – Low Channel - Ant2)**

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 20     |
| Frequency (MHz): | 1882.5 |
| RB / Offset:     | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 3788.2          | H               | -                   | -                          | -81.32               | 7.36        | 33.04                   | -62.22                             | -13.00      | -49.22      |
| 5637.6          | H               | -                   | -                          | -83.23               | 11.47       | 35.24                   | -60.02                             | -13.00      | -47.02      |
| 7530.0          | H               | -                   | -                          | -83.43               | 14.04       | 37.61                   | -57.65                             | -13.00      | -44.65      |

**Table 7-43. Radiated Spurious Data (NR Band n25/2 – Mid Channel - Ant2)**

|                  |        |
|------------------|--------|
| Bandwidth (MHz): | 40     |
| Frequency (MHz): | 1895.0 |
| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 3801.5          | V               | -                   | -                          | -81.37               | 7.36        | 32.99                   | -62.27                             | -13.00      | -49.27      |
| 5664.7          | V               | -                   | -                          | -83.24               | 11.55       | 35.32                   | -59.94                             | -13.00      | -46.94      |
| 7580.5          | H               | -                   | -                          | -82.82               | 14.01       | 38.19                   | -57.07                             | -13.00      | -44.07      |

**Table 7-44. Radiated Spurious Data (NR Band n25/2 – High Channel - Ant2)**

|                                         |                                      |                               |                                   |
|-----------------------------------------|--------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS936U                      | PART 24 MEASUREMENT REPORT           |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260064-02.A3L | Test Dates:<br>9/4/2024 - 10/10/2024 | EUT Type:<br>Portable Handset | Page 171 of 177                   |

## 7.9 Frequency Stability / Temperature Variation

### Test Overview and Limit

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

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

***For Part 24, 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

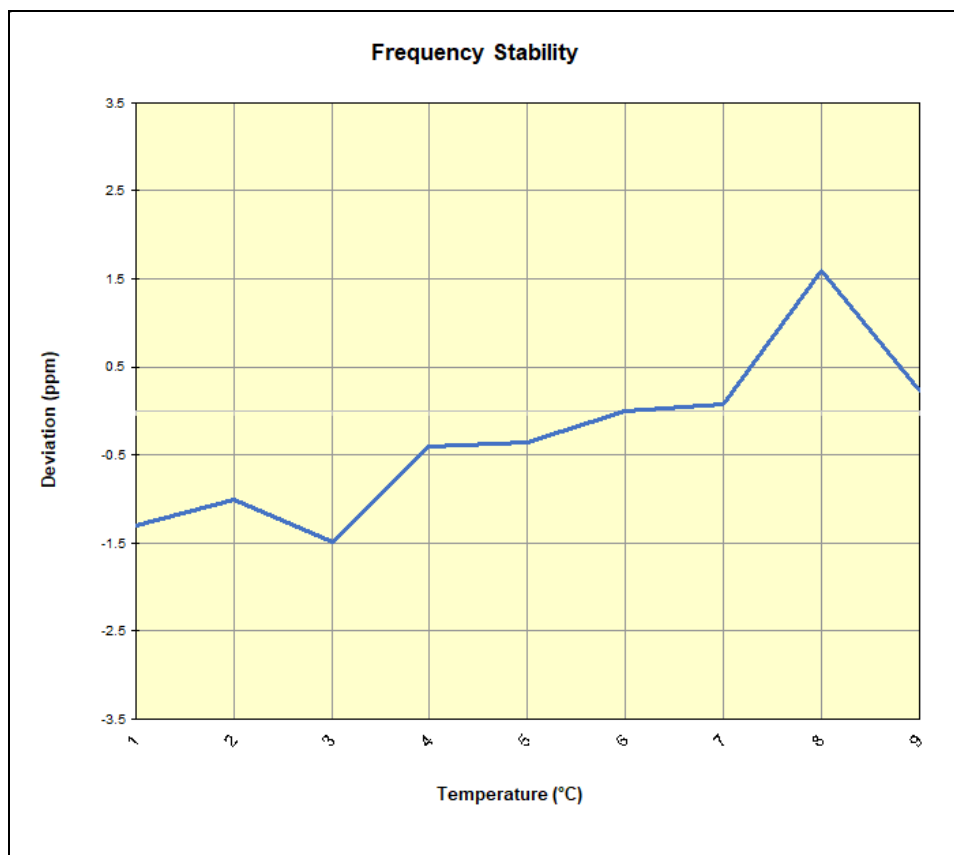
None

|                                         |                                      |                               |                                   |
|-----------------------------------------|--------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS936U                      | PART 24 MEASUREMENT REPORT           |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260064-02.A3L | Test Dates:<br>9/4/2024 - 10/10/2024 | EUT Type:<br>Portable Handset | Page 172 of 177                   |

## LTE Band 25/2

| LTE Band 25/2             |             |            |                |                 |               |
|---------------------------|-------------|------------|----------------|-----------------|---------------|
| Operating Frequency (Hz): |             |            | 1,882,500,000  |                 |               |
| Ref. Voltage (VDC):       |             |            | 3.863          |                 |               |
| Voltage (%)               | Power (VDC) | Temp (°C)  | Frequency (Hz) | Freq. Dev. (Hz) | Deviation (%) |
| 100 %                     | 3.863       | - 30       | 1,882,491,223  | -2,443          | -0.0001298    |
|                           |             | - 20       | 1,882,491,773  | -1,893          | -0.0001006    |
|                           |             | - 10       | 1,882,490,860  | -2,806          | -0.0001491    |
|                           |             | 0          | 1,882,492,913  | -753            | -0.0000400    |
|                           |             | + 10       | 1,882,493,003  | -663            | -0.0000352    |
|                           |             | + 20 (Ref) | 1,882,493,666  | 0               | 0.0000000     |
|                           |             | + 30       | 1,882,493,825  | 159             | 0.0000084     |
|                           |             | + 40       | 1,882,496,654  | 2,988           | 0.0001587     |
|                           |             | + 50       | 1,882,494,091  | 425             | 0.0000226     |
| Battery Endpoint          | 3.174       | + 20       | 1,882,493,973  | 307             | 0.0000163     |

Table 7-45. LTE Band 25/2 Frequency Stability Data



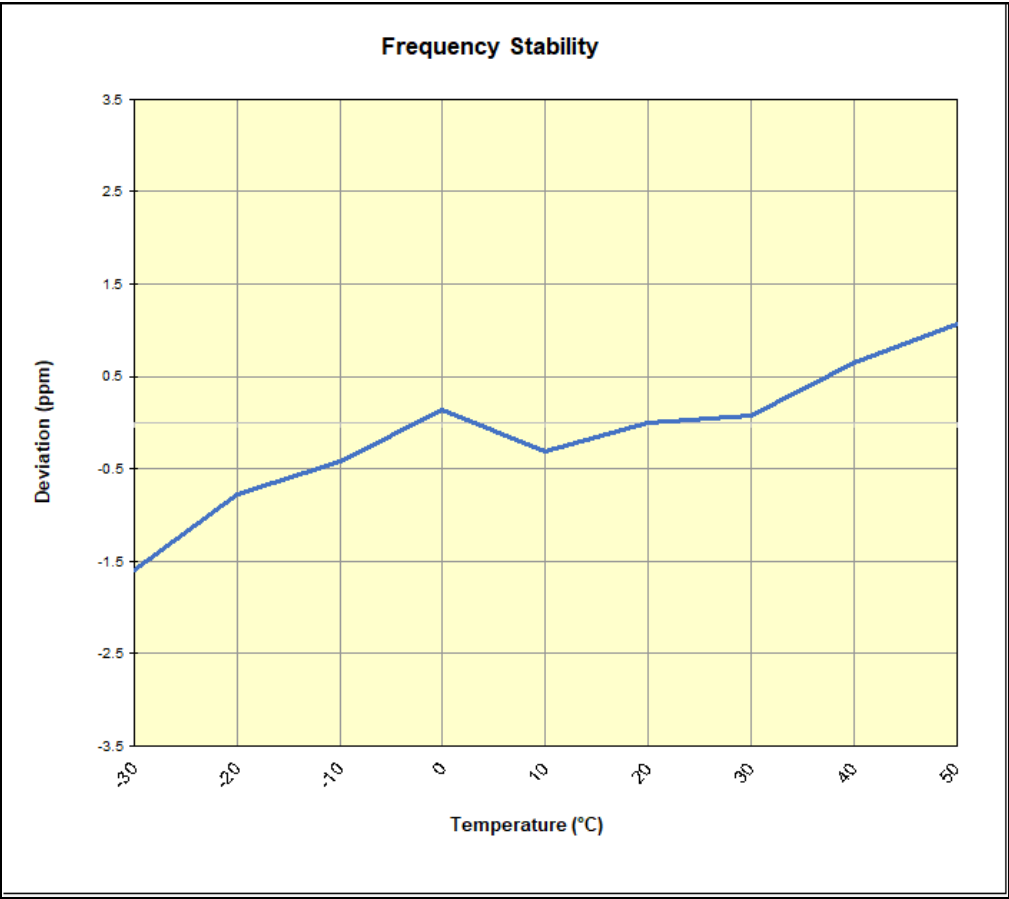
Plot 7-249. LTE Band 25/2 Frequency Stability Chart

|                                         |                                      |                               |                                   |
|-----------------------------------------|--------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS936U                      | PART 24 MEASUREMENT REPORT           |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260064-02.A3L | Test Dates:<br>9/4/2024 - 10/10/2024 | EUT Type:<br>Portable Handset | Page 173 of 177                   |

NR Band n25/2

| NR Band n25/2    |             |                           |                |                 |               |
|------------------|-------------|---------------------------|----------------|-----------------|---------------|
|                  |             | Operating Frequency (Hz): |                | 1,882,500,000   |               |
|                  |             | Ref. Voltage (VDC):       |                | 3.863           |               |
| Voltage (%)      | Power (VDC) | Temp (°C)                 | Frequency (Hz) | Freq. Dev. (Hz) | Deviation (%) |
| 100 %            | 3.863       | - 30                      | 1,882,509,255  | -3,014          | -0.0001601    |
|                  |             | - 20                      | 1,882,510,821  | -1,448          | -0.0000769    |
|                  |             | - 10                      | 1,882,511,470  | -799            | -0.0000424    |
|                  |             | 0                         | 1,882,512,523  | 254             | 0.0000135     |
|                  |             | + 10                      | 1,882,511,680  | -589            | -0.0000313    |
|                  |             | + 20 (Ref)                | 1,882,512,269  | 0               | 0.0000000     |
|                  |             | + 30                      | 1,882,512,413  | 144             | 0.0000076     |
|                  |             | + 40                      | 1,882,513,495  | 1,226           | 0.0000651     |
|                  |             | + 50                      | 1,882,514,285  | 2,016           | 0.0001071     |
| Battery Endpoint | 3.174       | + 20                      | 1,882,512,824  | 555             | 0.0000295     |

Table 7-46. NR Band n25/2 Frequency Stability Data



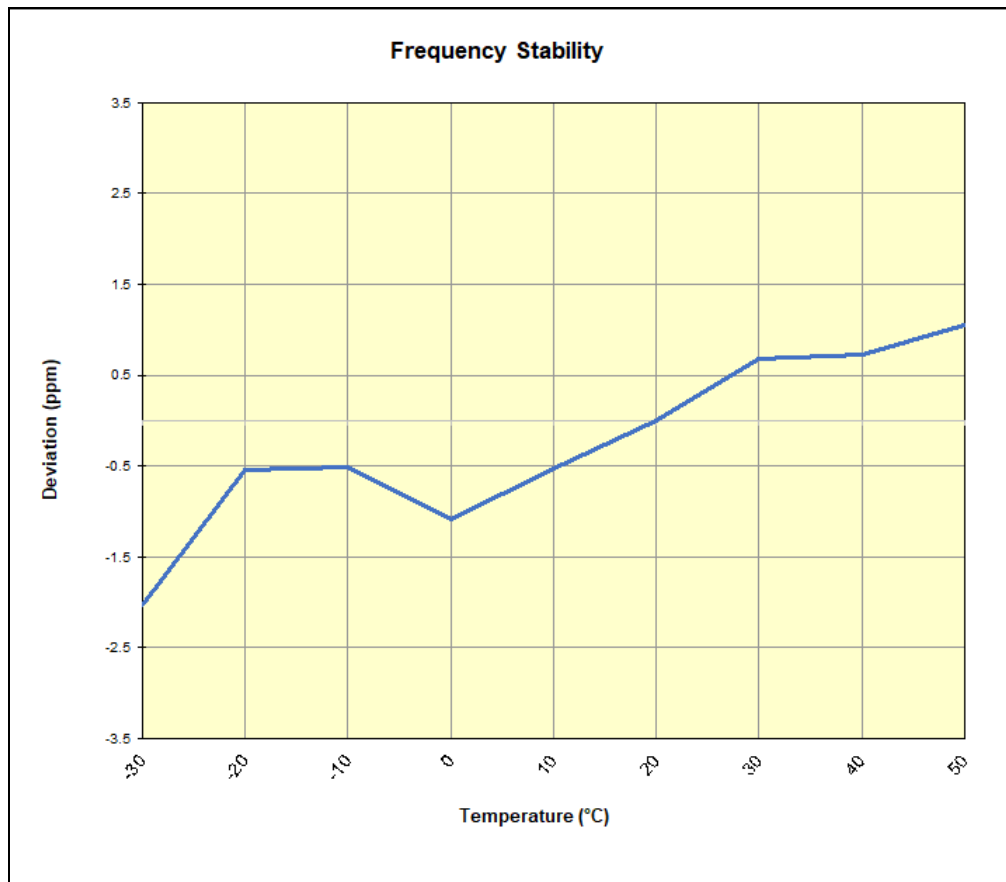
Plot 7-250. NR Band n25/2 Frequency Stability Chart

|                                         |                                      |                               |                                   |
|-----------------------------------------|--------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS936U                      | PART 24 MEASUREMENT REPORT           |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260064-02.A3L | Test Dates:<br>9/4/2024 - 10/10/2024 | EUT Type:<br>Portable Handset | Page 174 of 177                   |

## GSM/GPRS PCS

| GSM/GPRS PCS     |             |            |                           |                 |               |
|------------------|-------------|------------|---------------------------|-----------------|---------------|
|                  |             |            | Operating Frequency (Hz): | 1,880,000,000   |               |
|                  |             |            | Ref. Voltage (VDC):       | 3.86            |               |
| Voltage (%)      | Power (VDC) | Temp (°C)  | Frequency (Hz)            | Freq. Dev. (Hz) | Deviation (%) |
| 100 %            | 3.86        | - 30       | 1,880,132,441             | -3,814          | -0.0002029    |
|                  |             | - 20       | 1,880,135,222             | -1,033          | -0.0000549    |
|                  |             | - 10       | 1,880,135,287             | -968            | -0.0000515    |
|                  |             | 0          | 1,880,134,222             | -2,033          | -0.0001081    |
|                  |             | + 10       | 1,880,135,258             | -997            | -0.0000530    |
|                  |             | + 20 (Ref) | 1,880,136,255             | 0               | 0.0000000     |
|                  |             | + 30       | 1,880,137,522             | 1,267           | 0.0000674     |
|                  |             | + 40       | 1,880,137,633             | 1,378           | 0.0000733     |
| Battery Endpoint | 3.17        | + 50       | 1,880,138,244             | 1,989           | 0.0001058     |
|                  |             | + 20       | 1,880,136,478             | 223             | 0.0000119     |

Table 7-47. GSM/GPRS PCS Frequency Stability Data



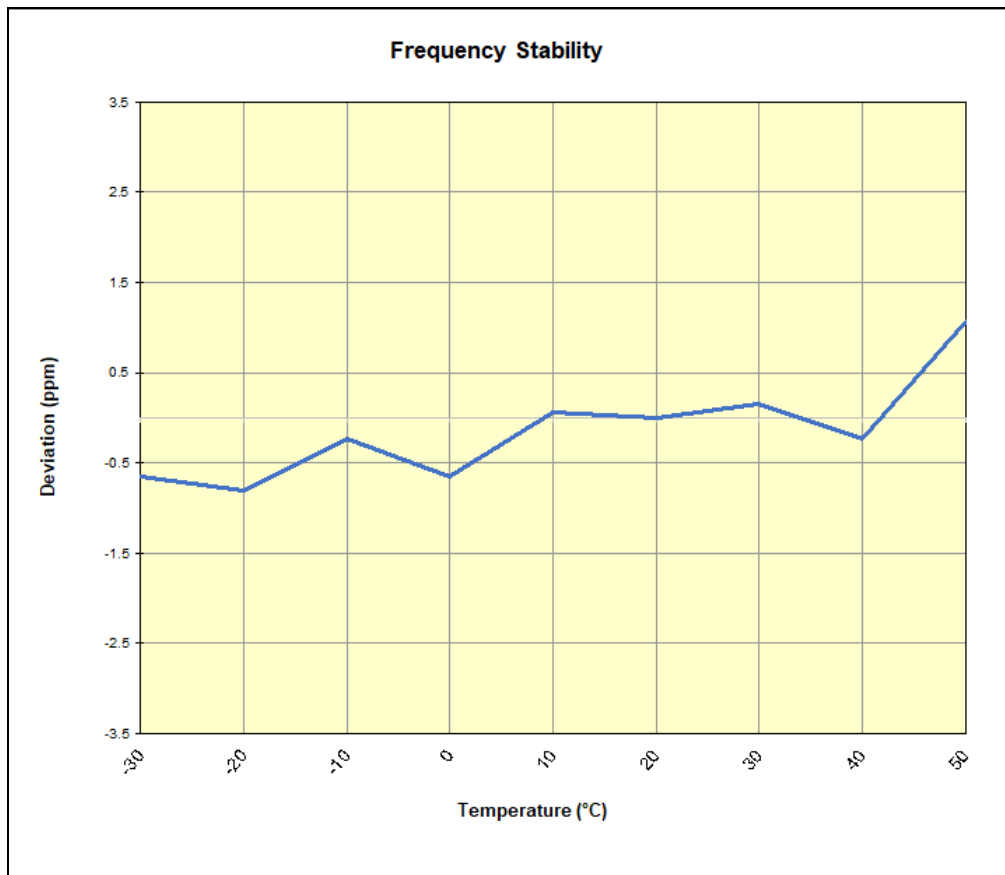
Plot 7-251. GSM/GPRS PCS Frequency Stability Chart

|                                         |                                      |                               |                                   |
|-----------------------------------------|--------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS936U                      | PART 24 MEASUREMENT REPORT           |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260064-02.A3L | Test Dates:<br>9/4/2024 - 10/10/2024 | EUT Type:<br>Portable Handset | Page 175 of 177                   |

## WCDMA PCS

| WCDMA PCS        |             |                           |                |                 |               |
|------------------|-------------|---------------------------|----------------|-----------------|---------------|
|                  |             | Operating Frequency (Hz): |                | 1,880,000,000   |               |
|                  |             | Ref. Voltage (VDC):       |                | 3.863           |               |
| Voltage (%)      | Power (VDC) | Temp (°C)                 | Frequency (Hz) | Freq. Dev. (Hz) | Deviation (%) |
| 100 %            | 3.863       | - 30                      | 1,880,011,222  | -1,222          | -0.0000650    |
|                  |             | - 20                      | 1,880,010,938  | -1,506          | -0.0000801    |
|                  |             | - 10                      | 1,880,012,008  | -436            | -0.0000232    |
|                  |             | 0                         | 1,880,011,222  | -1,222          | -0.0000650    |
|                  |             | + 10                      | 1,880,012,570  | 126             | 0.0000067     |
|                  |             | + 20 (Ref)                | 1,880,012,444  | 0               | 0.0000000     |
|                  |             | + 30                      | 1,880,012,731  | 287             | 0.0000153     |
|                  |             | + 40                      | 1,880,012,016  | -428            | -0.0000228    |
| Battery Endpoint | 3.174       | + 20                      | 1,880,013,943  | 1,499           | 0.0000797     |

Table 7-48. WCDMA PCS Frequency Stability Data



Plot 7-252. WCDMA PCS Frequency Stability Chart

|                                         |                                      |                               |                                   |
|-----------------------------------------|--------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS936U                      | PART 24 MEASUREMENT REPORT           |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260064-02.A3L | Test Dates:<br>9/4/2024 - 10/10/2024 | EUT Type:<br>Portable Handset | Page 176 of 177                   |

## 8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Samsung Portable Handset** **FCC ID: A3LSMS936U** complies with all the requirements of Part 24 of the FCC rules.

|                                         |                                      |                               |                                   |
|-----------------------------------------|--------------------------------------|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS936U                      | PART 24 MEASUREMENT REPORT           |                               | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1M2408260064-02.A3L | Test Dates:<br>9/4/2024 - 10/10/2024 | EUT Type:<br>Portable Handset | Page 177 of 177                   |