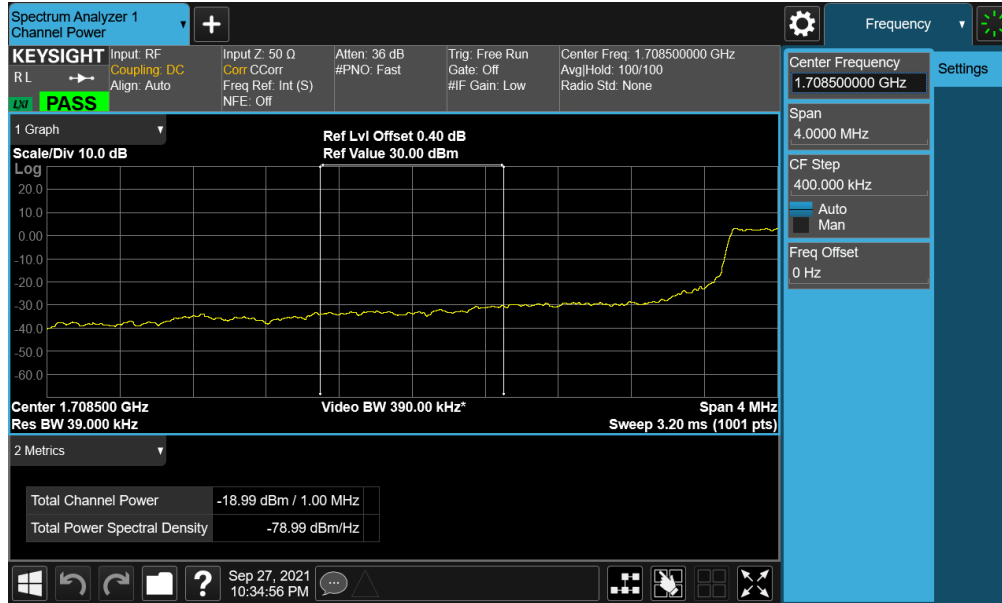


Plot 7-246. Lower Band Edge Plot (NR Band n66 - 5.0MHz - Full RB)

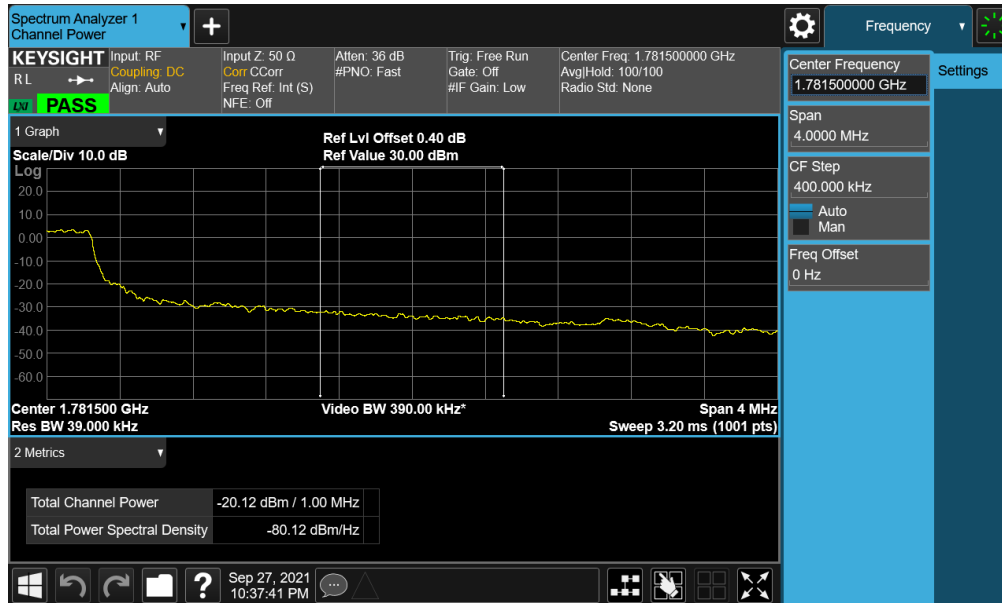


Plot 7-247. Lower Extended Band Edge Plot (NR Band n66 - 5.0MHz - Full RB)

| | | | | |
|--|--|-------------------------------|----------------|-----------------------------------|
| FCC ID: A3LSMS908U | PCTEST Proud to be part of element | PART 27 MEASUREMENT REPORT | SAMSUNG | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | | Page 148 of 214 |



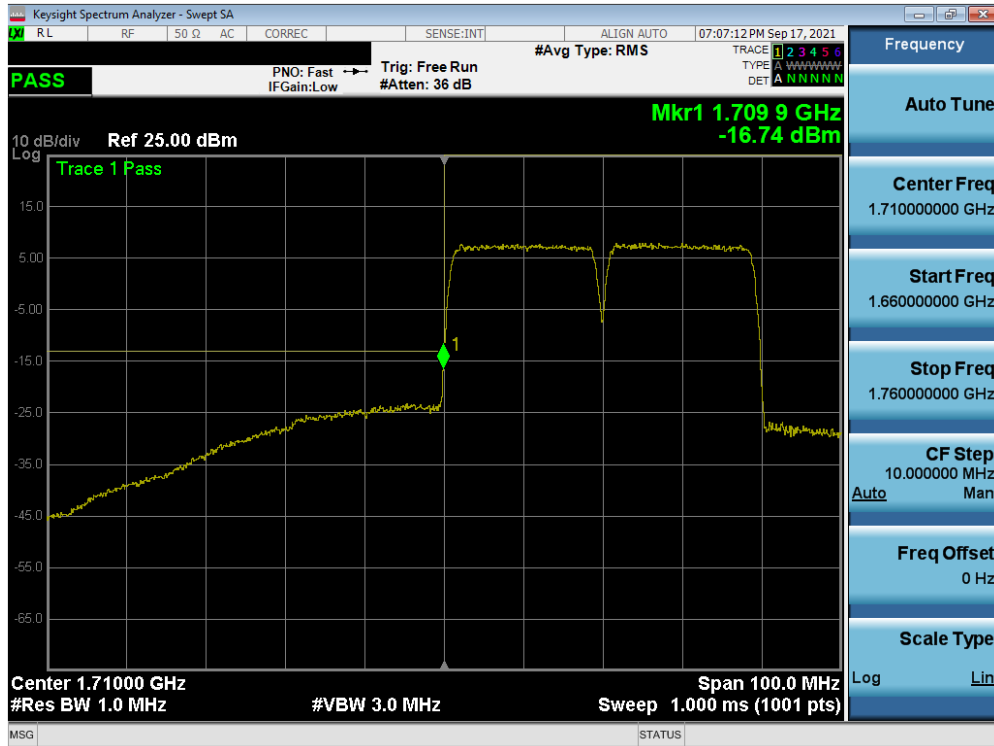
Plot 7-248. Upper Band Edge Plot (NR Band n66 - 5.0MHz - Full RB)



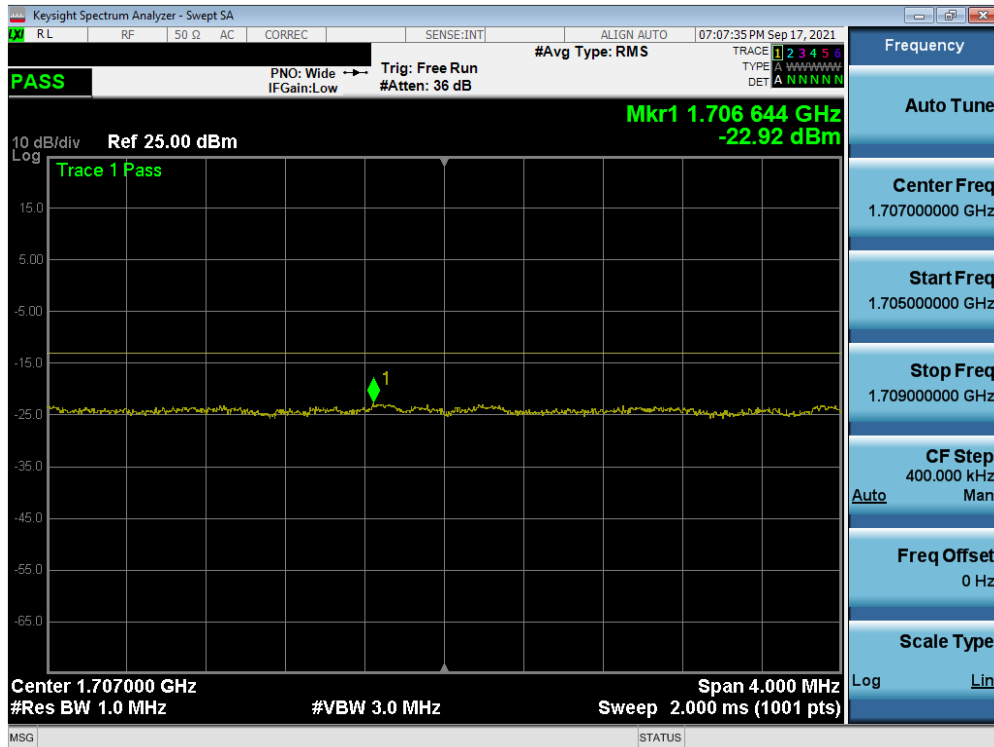
Plot 7-249. Upper Extended Band Edge Plot (NR Band n66 - 5.0MHz - Full RB)

| | | | | |
|--|--|-------------------------------|----------------|-----------------------------------|
| FCC ID: A3LSMS908U | PCTEST Proud to be part of element | PART 27 MEASUREMENT REPORT | SAMSUNG | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | | Page 149 of 214 |

Uplink CA LTE Band 66/C

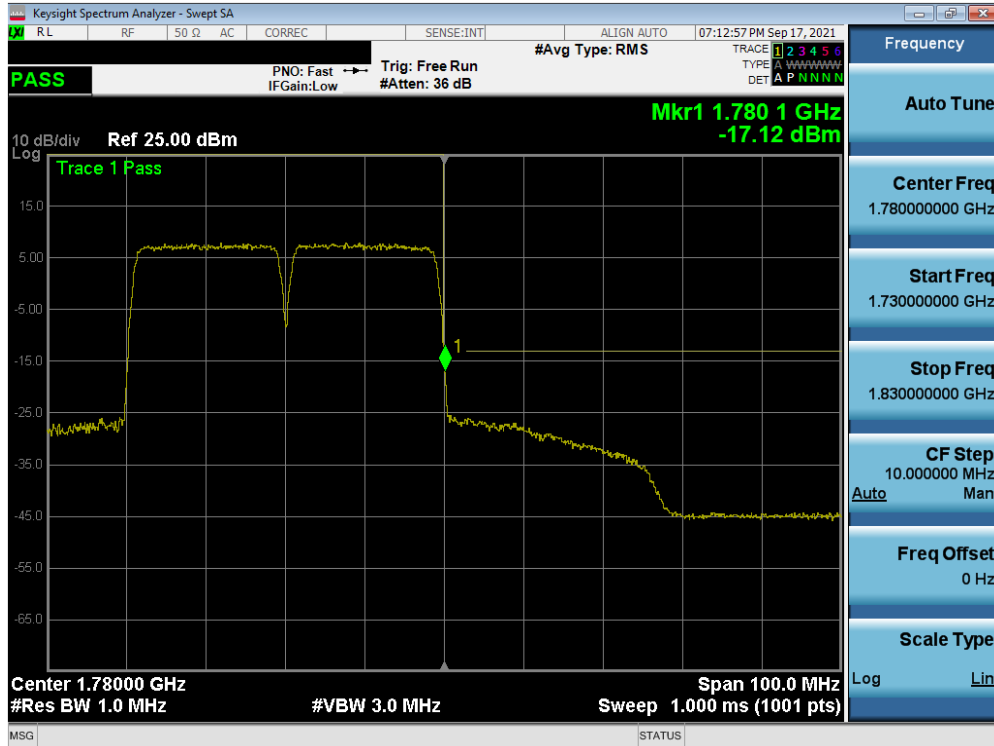


Plot 7-250. Lower Band Edge Plot (ULCA LTE Band 66)

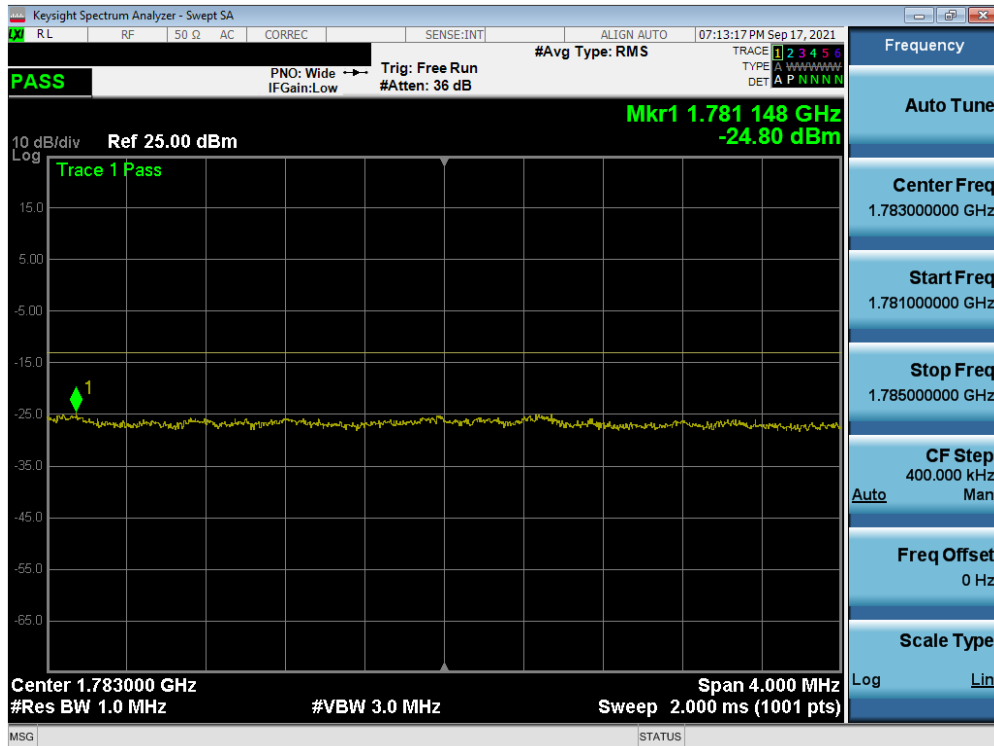


Plot 7-251. Lower Extended Band Edge Plot (ULCA LTE Band 66)

| | | | | |
|--|--|-------------------------------|----------------|-----------------------------------|
| FCC ID: A3LSMS908U | PCTEST Proud to be part of element | PART 27 MEASUREMENT REPORT | SAMSUNG | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | | Page 150 of 214 |



Plot 7-252. Upper Band Edge Plot (ULCA LTE Band 66)



Plot 7-253. Upper Extended Band Edge Plot (ULCA LTE Band 66)

| | | | | |
|--|---------------------------------------|-------------------------------|---------|-----------------------------------|
| FCC ID: A3LSMS908U | PCTEST Proud to be part of element | PART 27 MEASUREMENT REPORT | SAMSUNG | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | | Page 151 of 214 |

7.6 Peak-Average Ratio

Test Overview

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

Test Procedure Used

KDB 971168 D01 v03r01 - Section 5.7.1

Test Settings

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

Test Setup

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

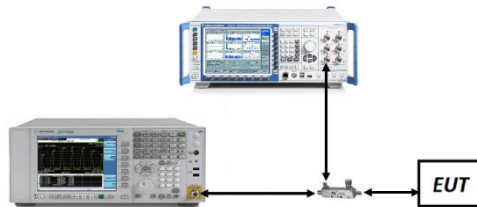


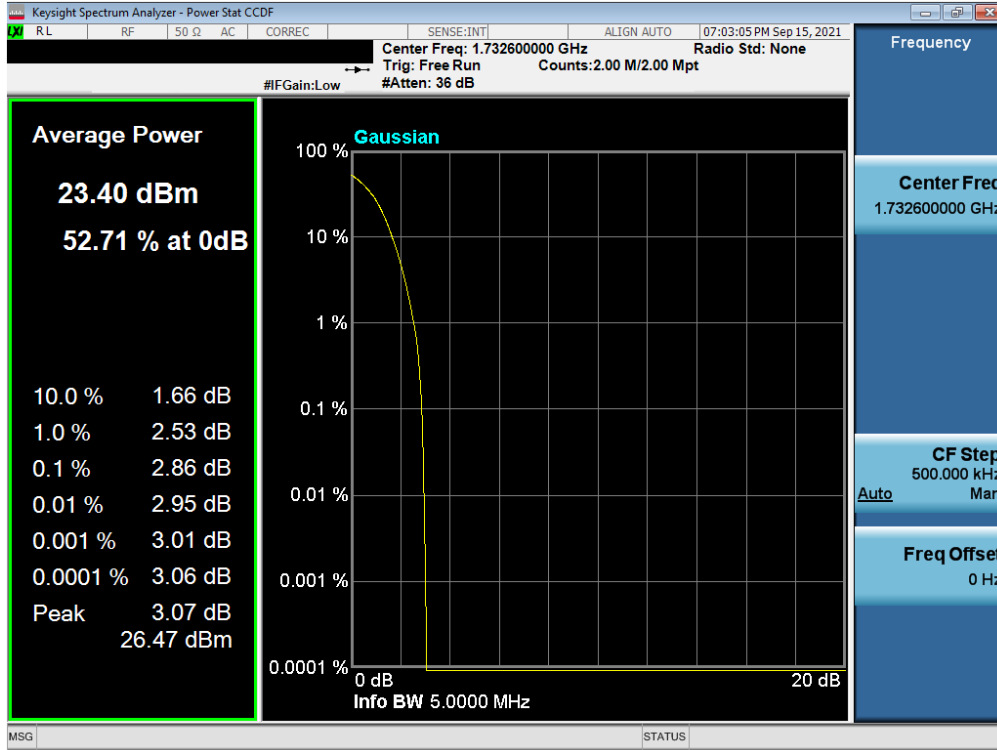
Figure 7-5. Test Instrument & Measurement Setup

Test Notes

None.

| | | | | |
|--|--|-----------------------------------|--|-----------------------------------|
| FCC ID: A3LSMS908U | PCTEST Proud to be part of element | PART 27 MEASUREMENT REPORT | | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | | Page 152 of 214 |

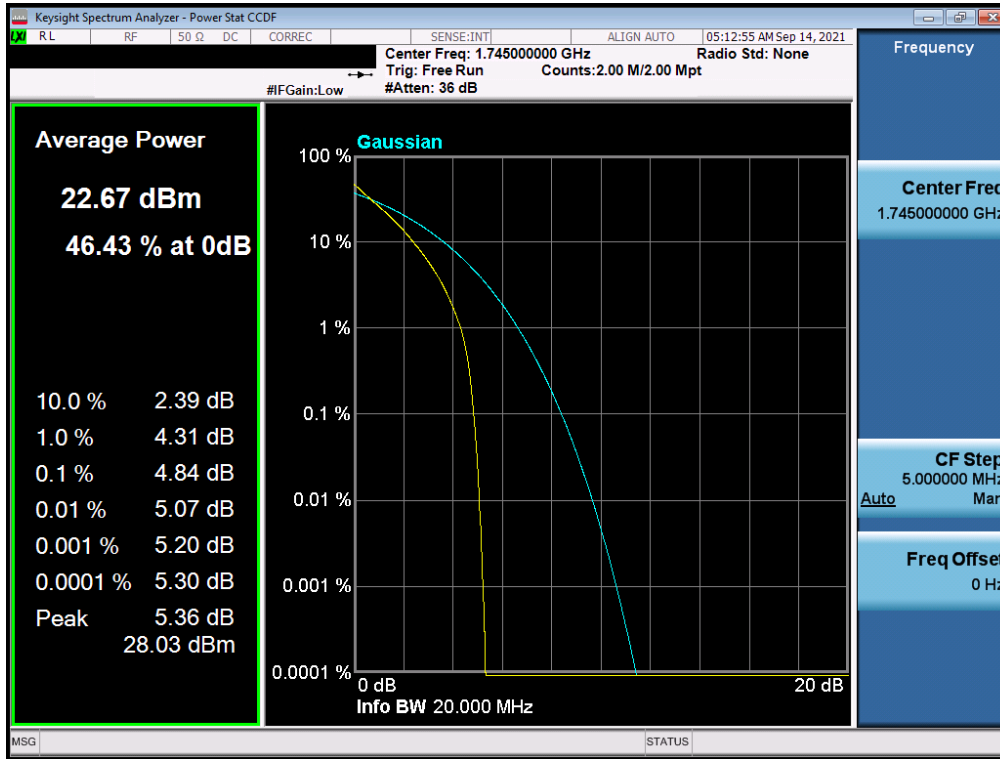
WCDMA AWS



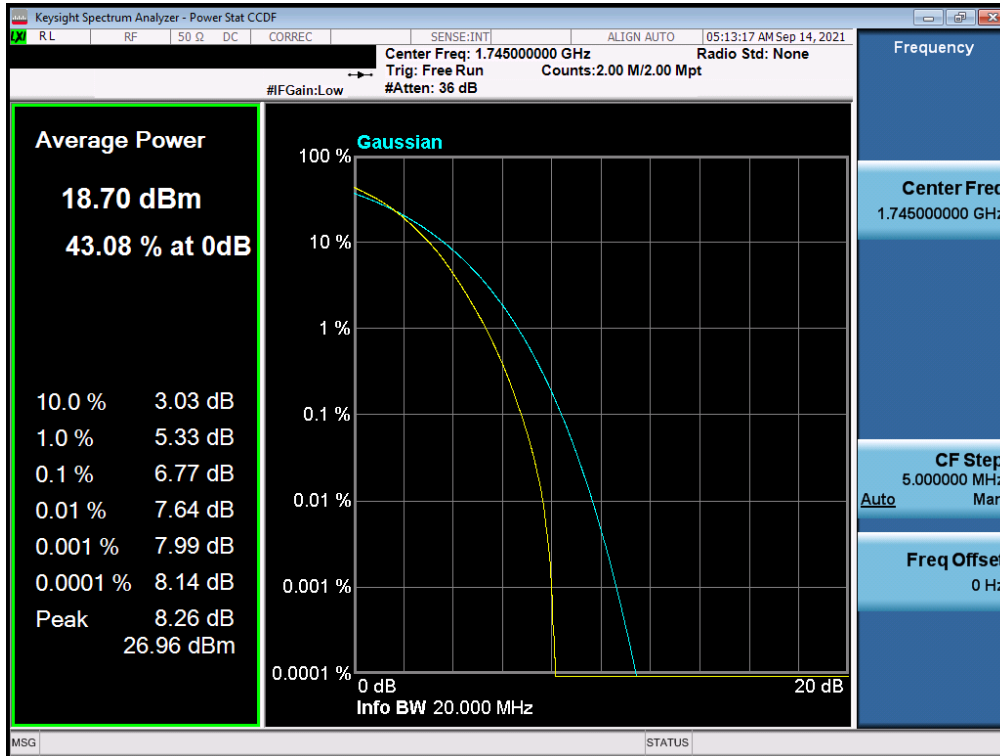
Plot 7-254. PAR Plot (WCDMA, Ch. 1413)

| | | | | |
|--|--|-----------------------------------|----------------|-----------------------------------|
| FCC ID: A3LSMS908U | PCTEST Proud to be part of element | PART 27 MEASUREMENT REPORT | SAMSUNG | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | | Page 153 of 214 |

LTE Band 66/4

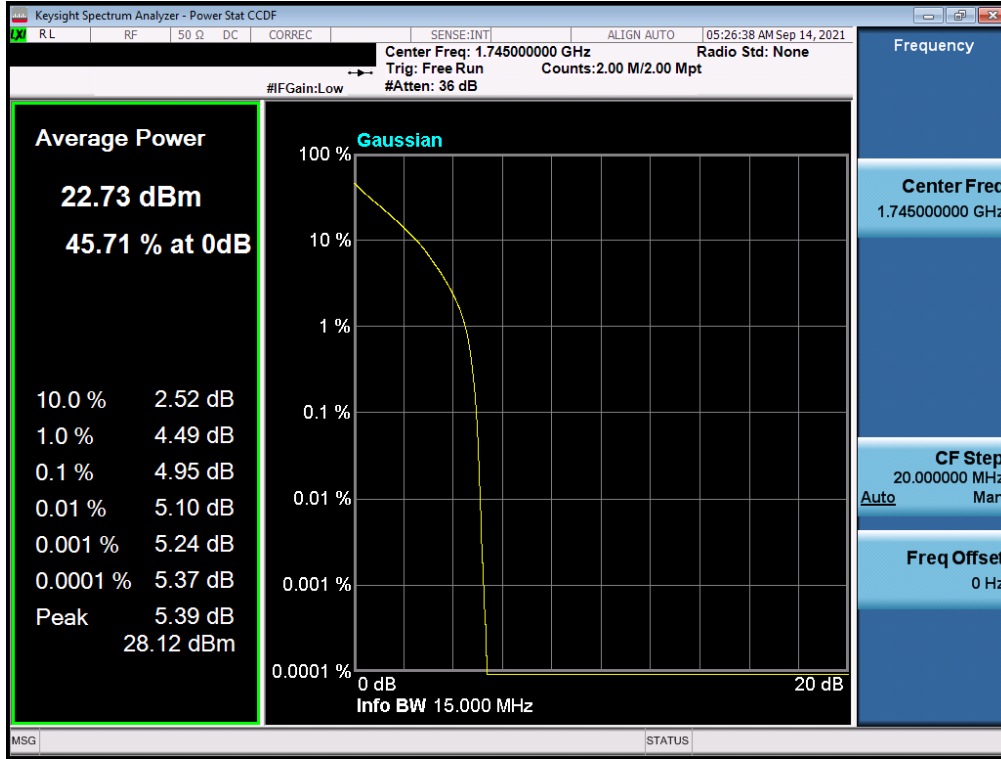


Plot 7-255. PAR Plot (LTE Band 66/4 - 20MHz QPSK - Full RB)

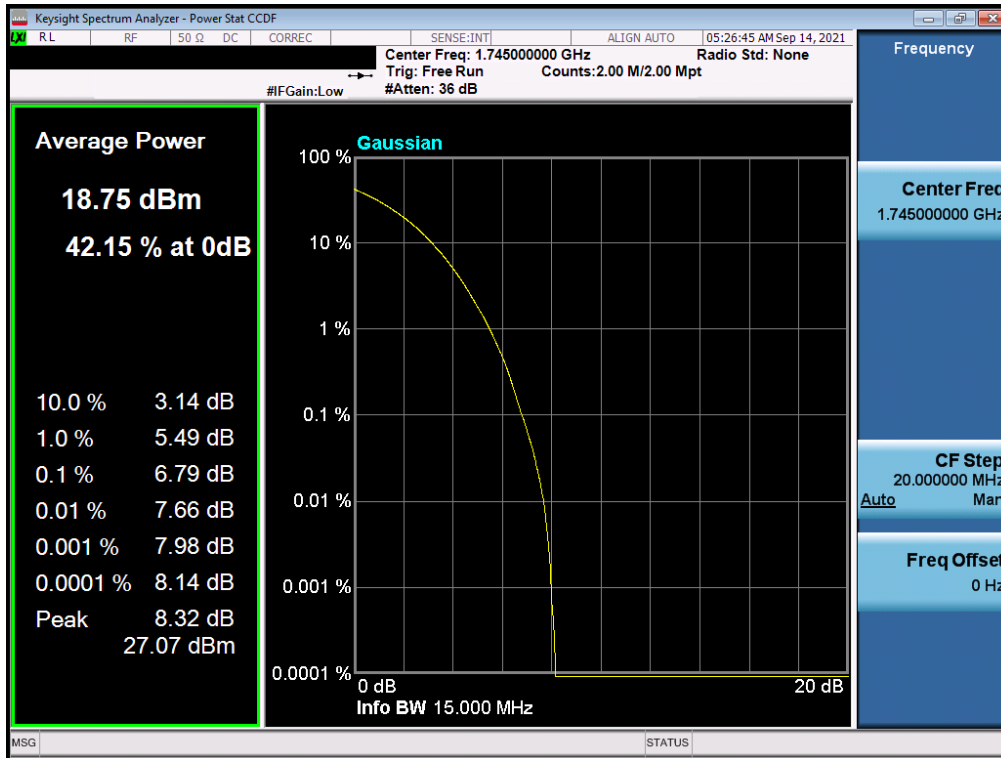


Plot 7-256. PAR Plot (LTE Band 66/4 - 20MHz 256-QAM - Full RB)

| | | | | |
|--|--|-----------------------------------|----------------|-----------------------------------|
| FCC ID: A3LSMS908U | PCTEST Proud to be part of element | PART 27 MEASUREMENT REPORT | SAMSUNG | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | | Page 154 of 214 |

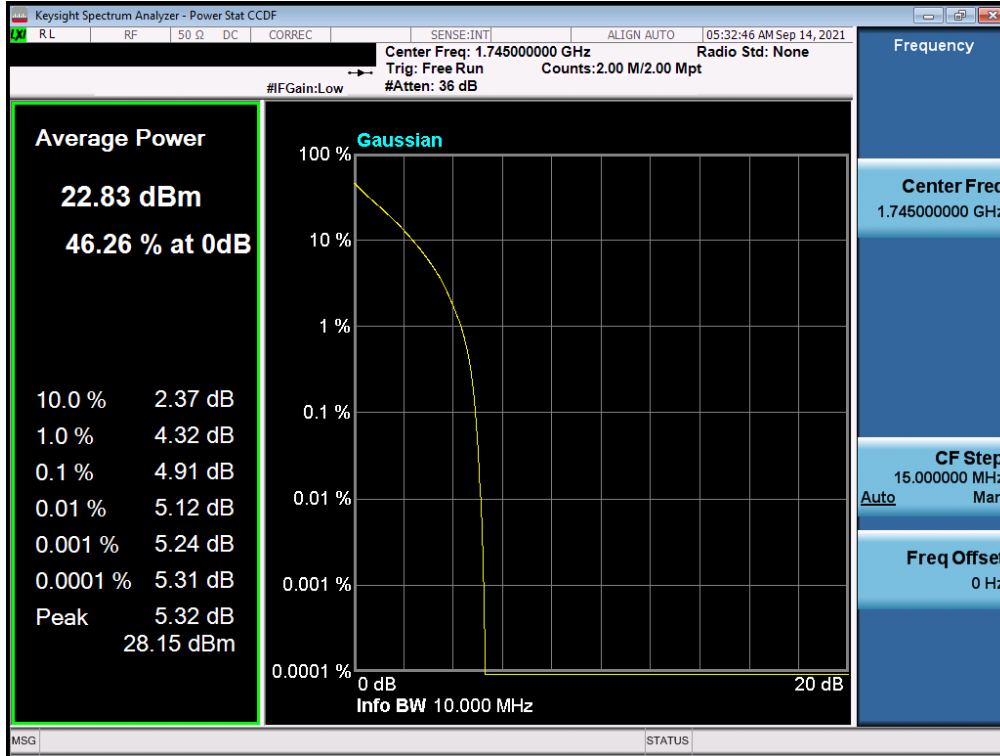


Plot 7-257. PAR Plot (LTE Band 66/4 - 15MHz QPSK - Full RB)

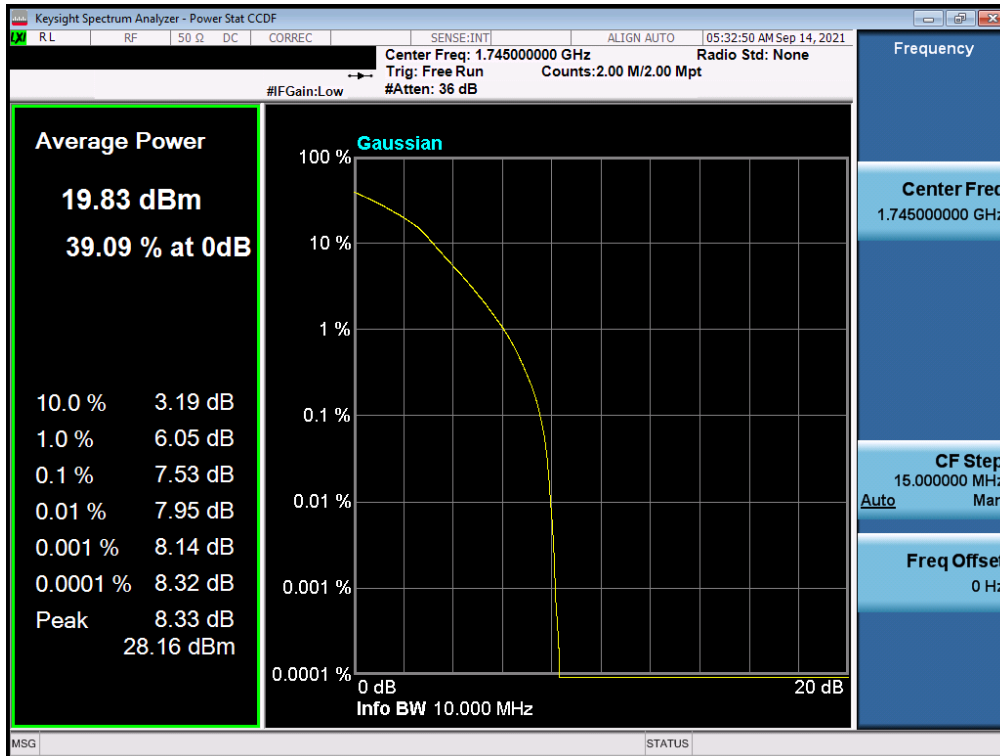


Plot 7-258. PAR Plot (LTE Band 66/4 - 15MHz 256-QAM - Full RB)

| | | | | |
|--|--|-------------------------------|----------------|-----------------------------------|
| FCC ID: A3LSMS908U | PCTEST Proud to be part of element | PART 27 MEASUREMENT REPORT | SAMSUNG | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | | Page 155 of 214 |

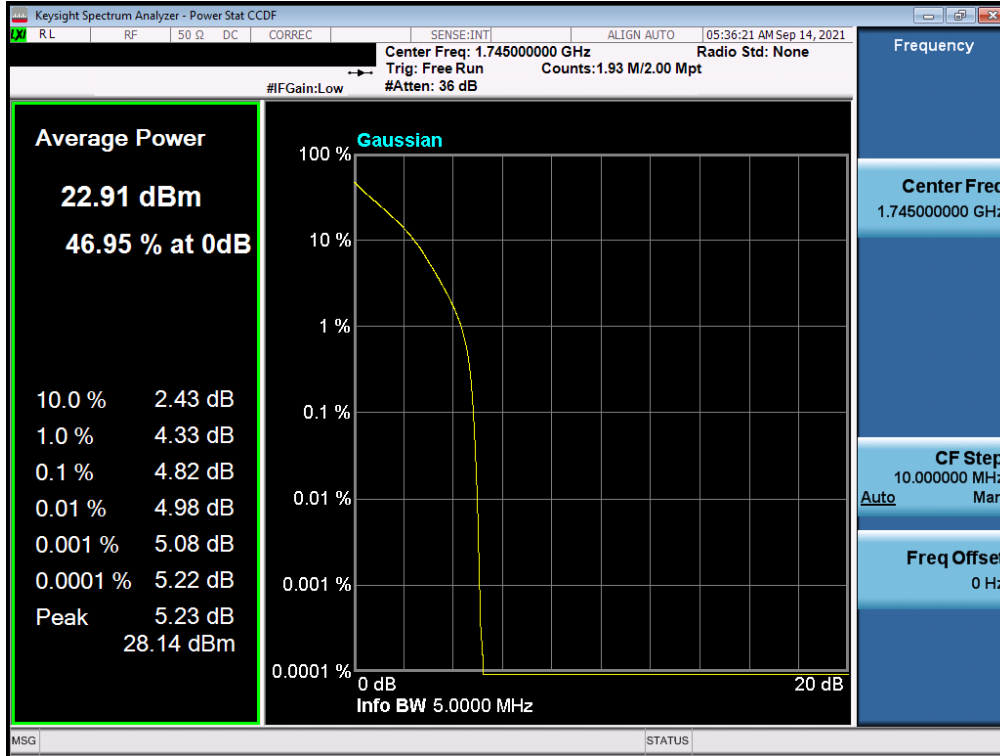


Plot 7-259. PAR Plot (LTE Band 66/4 - 10MHz QPSK - Full RB)

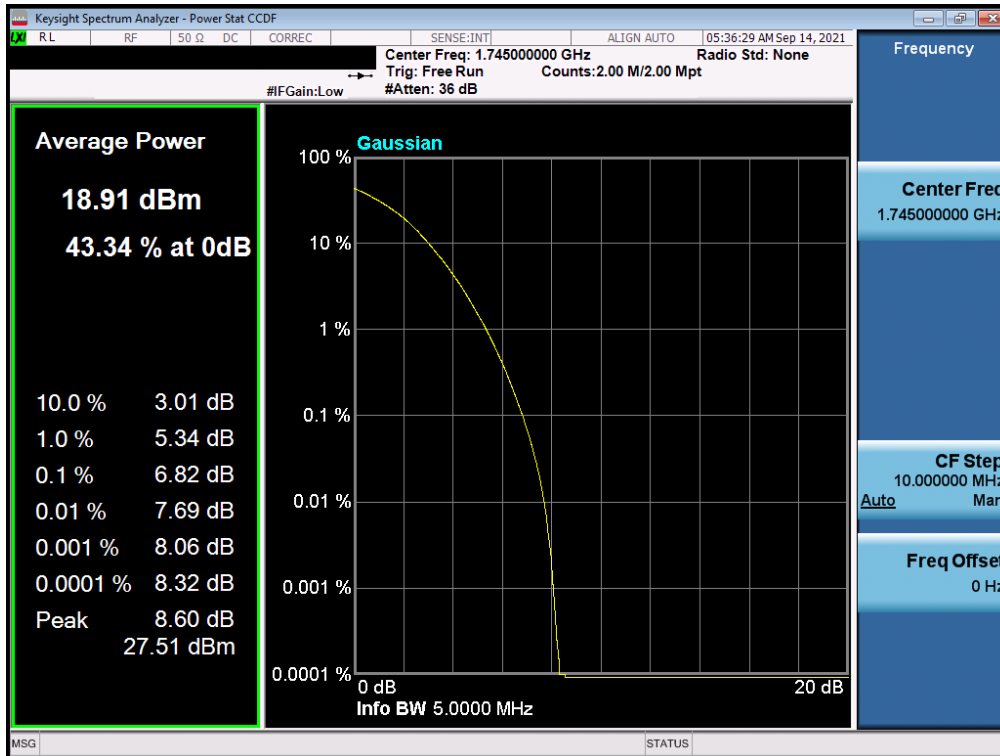


Plot 7-260. PAR Plot (LTE Band 66/4 - 10MHz 256-QAM - Full RB)

| | | | | |
|--|--|-------------------------------|----------------|-----------------------------------|
| FCC ID: A3LSMS908U | PCTEST Proud to be part of element | PART 27 MEASUREMENT REPORT | SAMSUNG | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | | Page 156 of 214 |

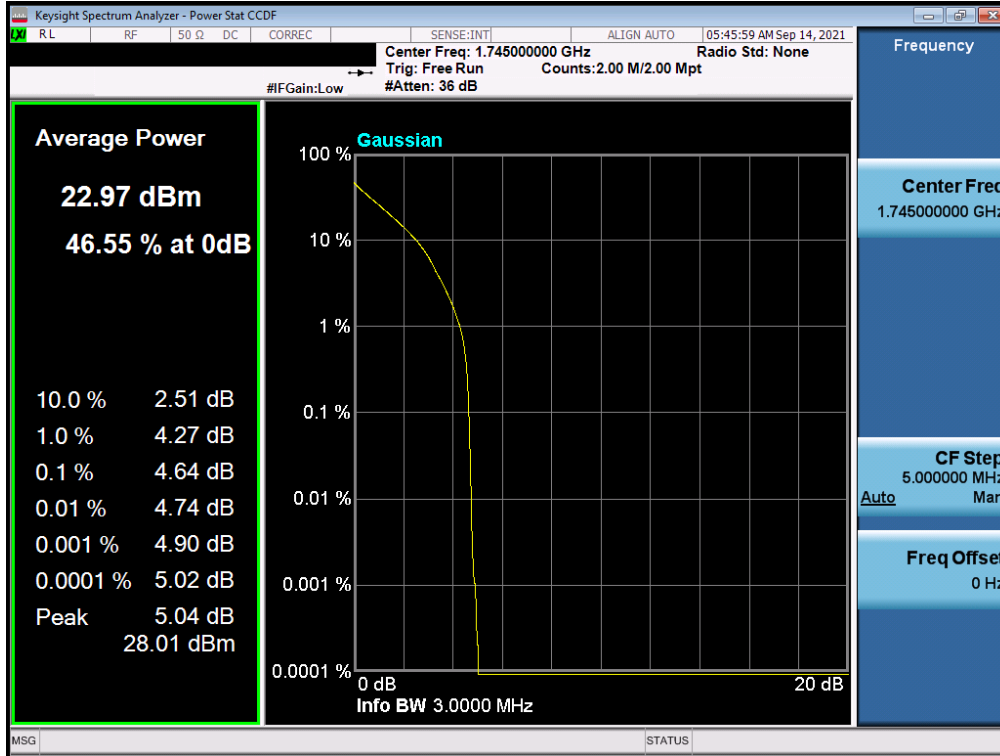


Plot 7-261. PAR Plot (LTE Band 66/4 - 5MHz QPSK - Full RB)

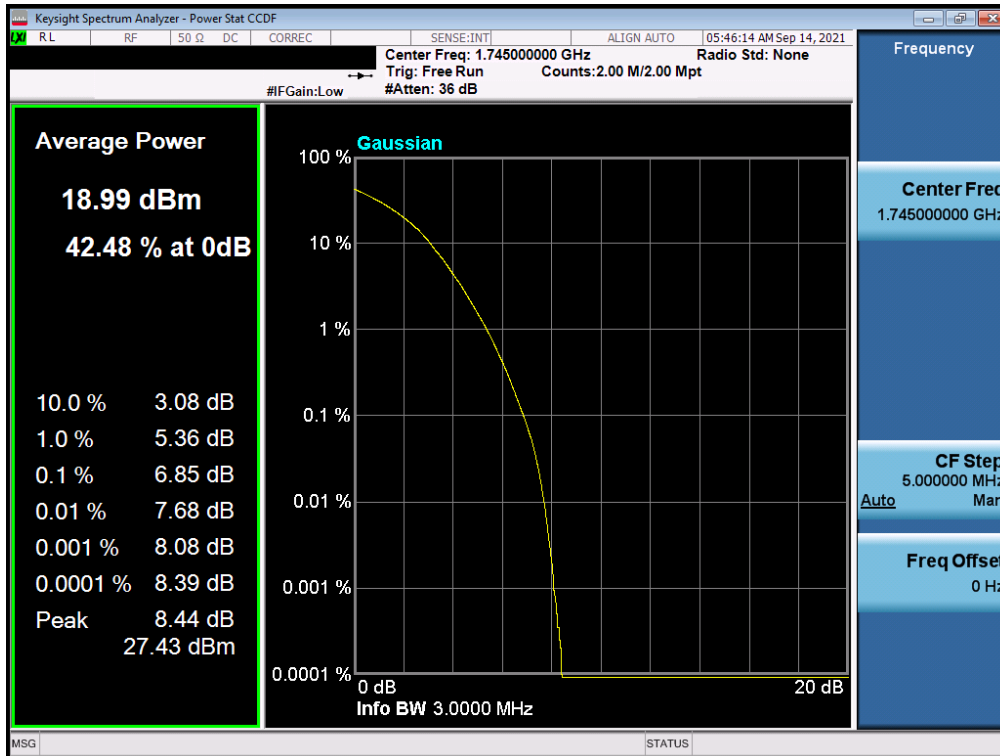


Plot 7-262. PAR Plot (LTE Band 66/4 - 5MHz 256-QAM - Full RB)

| | | | | |
|--|--|-------------------------------|----------------|-----------------------------------|
| FCC ID: A3LSMS908U | PCTEST Proud to be part of element | PART 27 MEASUREMENT REPORT | SAMSUNG | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | | Page 157 of 214 |

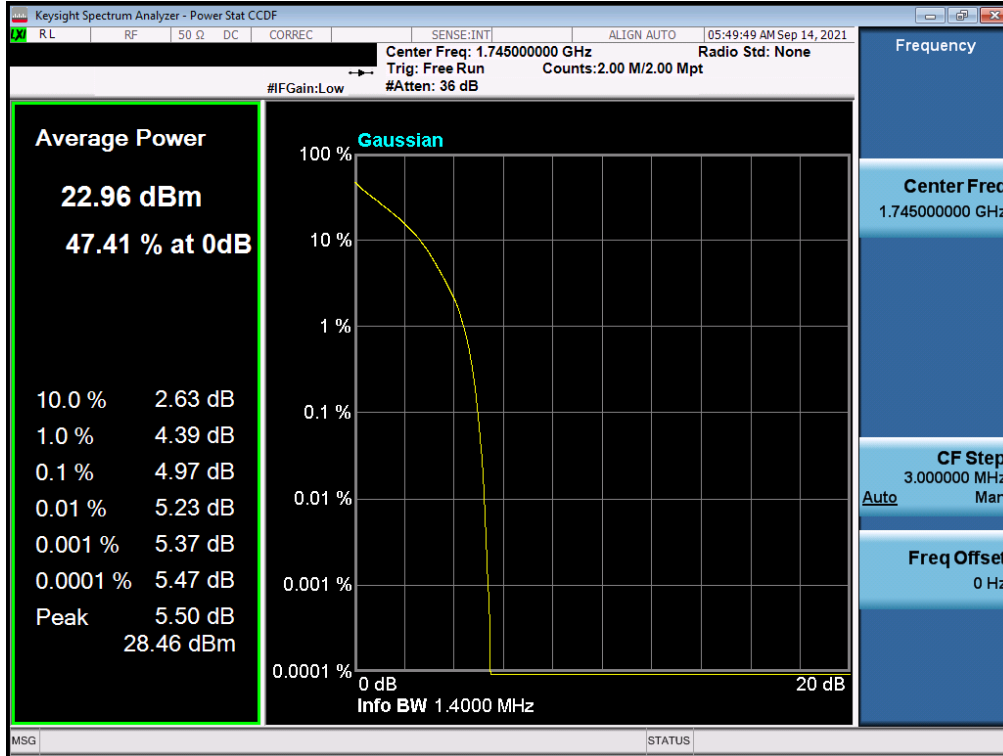


Plot 7-263. PAR Plot (LTE Band 66/4 - 3MHz QPSK - Full RB)

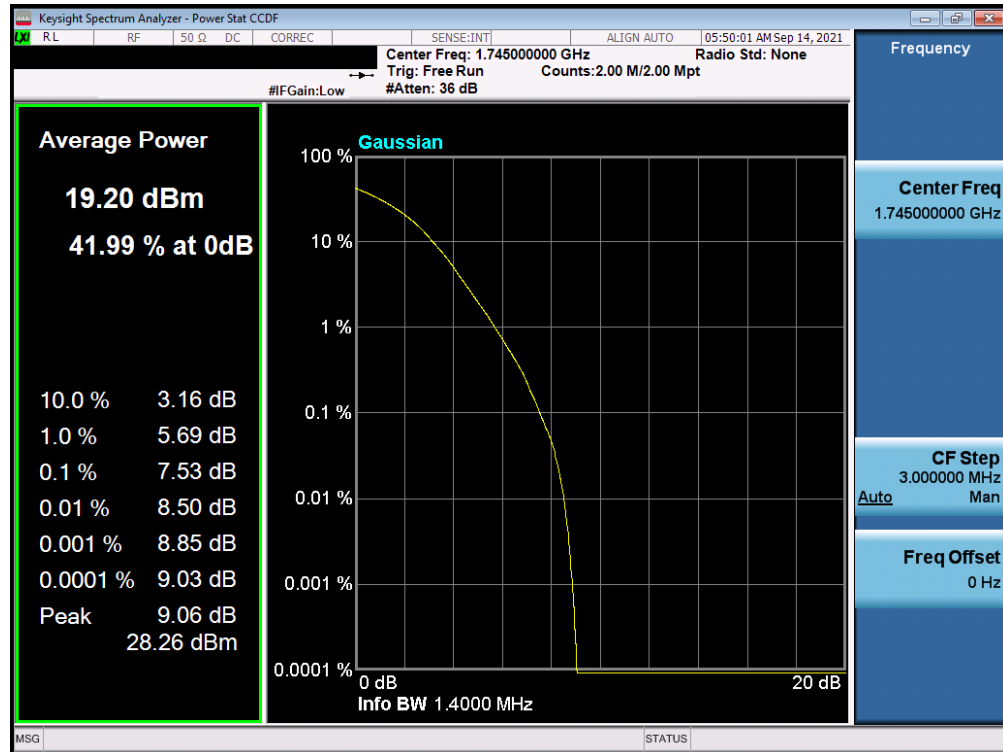


Plot 7-264. PAR Plot (LTE Band 66/4 - 3MHz 256-QAM - Full RB)

| | | | | |
|--|--|-------------------------------|----------------|-----------------------------------|
| FCC ID: A3LSMS908U | PCTEST Proud to be part of element | PART 27 MEASUREMENT REPORT | SAMSUNG | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | | Page 158 of 214 |



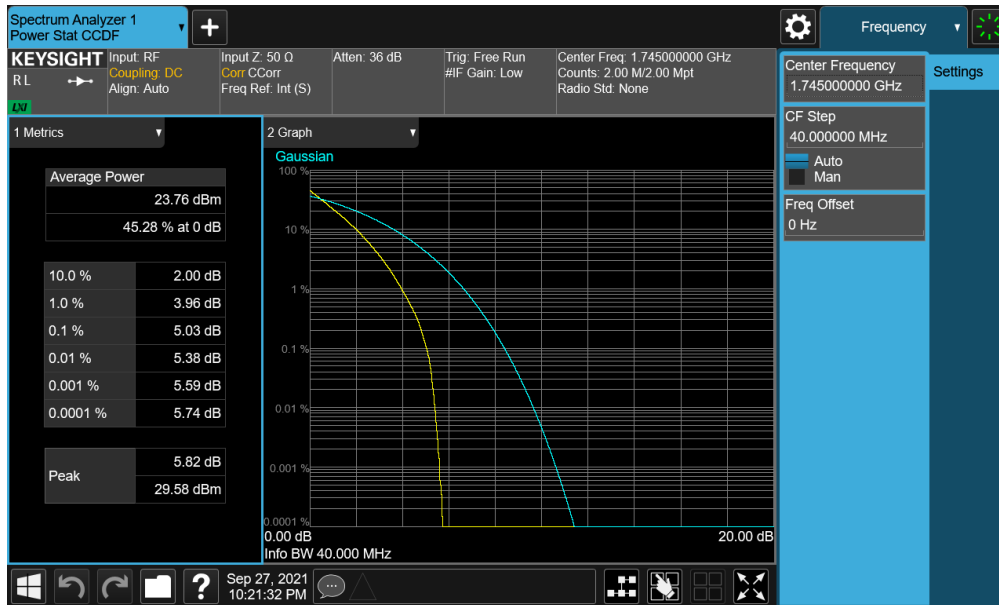
Plot 7-265. PAR Plot (LTE Band 66/4 - 1.4MHz QPSK - Full RB)



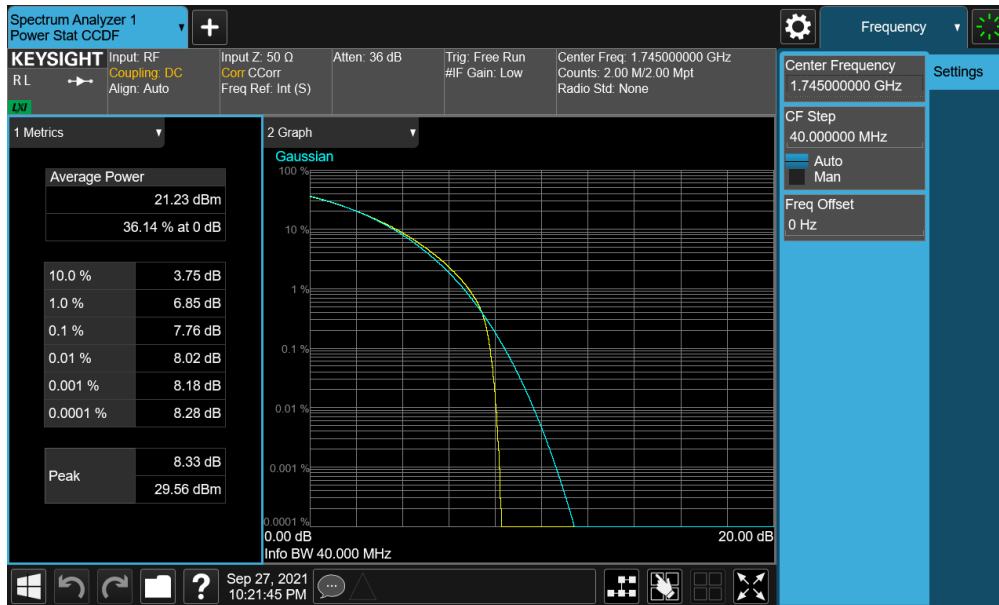
Plot 7-266. PAR Plot (LTE Band 66/4 - 1.4MHz 256-QAM - Full RB)

| | | | | |
|--|--|-------------------------------|----------------|-----------------------------------|
| FCC ID: A3LSMS908U | PCTEST Proud to be part of element | PART 27 MEASUREMENT REPORT | SAMSUNG | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | | Page 159 of 214 |

NR Band n66



Plot 7-267. PAR Plot (NR Band n66 - 40.0MHz DFT-s-OFDM BPSK - Full RB)



Plot 7-268. PAR Plot (NR Band n66 - 40.0MHz CP-OFDM QPSK - Full RB)




| | | | | |
|--|--|-----------------------------------|----------------|-----------------------------------|
| FCC ID: A3LSMS908U | PCTEST Proud to be part of element | PART 27 MEASUREMENT REPORT | SAMSUNG | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | | Page 160 of 214 |



Plot 7-269. PAR Plot (NR Band n66 - 40.0MHz CP-OFDM 256-QAM - Full RB)



Plot 7-270. PAR Plot (NR Band n66 - 30.0MHz DFT-s-OFDM BPSK - Full RB)

| | | | | |
|--|--|-----------------------------------|---|-----------------------------------|
| FCC ID: A3LSMS908U |  PCTEST Proud to be part of  | PART 27 MEASUREMENT REPORT |  | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | | Page 161 of 214 |



Plot 7-271. PAR Plot (NR Band n66 - 30.0MHz CP-OFDM QPSK - Full RB)



Plot 7-272. PAR Plot (NR Band n66 - 30.0MHz CP-OFDM 256-QAM - Full RB)

| | | | | |
|--|---|-----------------------------------|--|-----------------------------------|
| FCC ID: A3LSMS908U | PCTEST Proud to be part of element | PART 27 MEASUREMENT REPORT | | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | | Page 162 of 214 |



Plot 7-273. PAR Plot (NR Band n66 - 20.0MHz DFT-s-OFDM BPSK - Full RB)

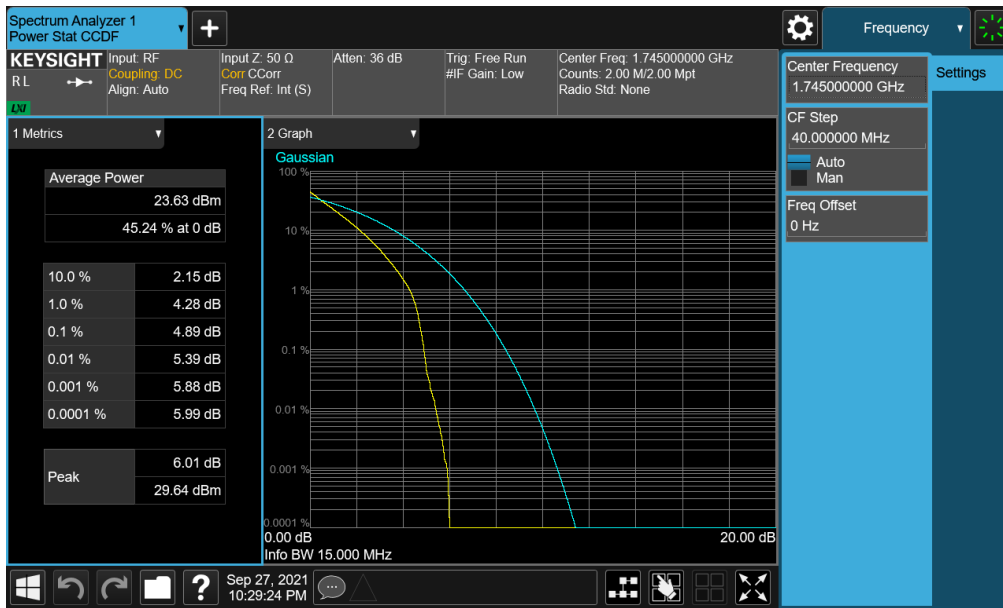


Plot 7-274. PAR Plot (NR Band n66 - 20.0MHz CP-OFDM QPSK - Full RB)

| | | | | |
|--|--|-----------------------------------|----------------|-----------------------------------|
| FCC ID: A3LSMS908U | PCTEST Proud to be part of element | PART 27 MEASUREMENT REPORT | SAMSUNG | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | | Page 163 of 214 |



Plot 7-275. PAR Plot (NR Band n66 - 20.0MHz CP-OFDM 256-QAM - Full RB)

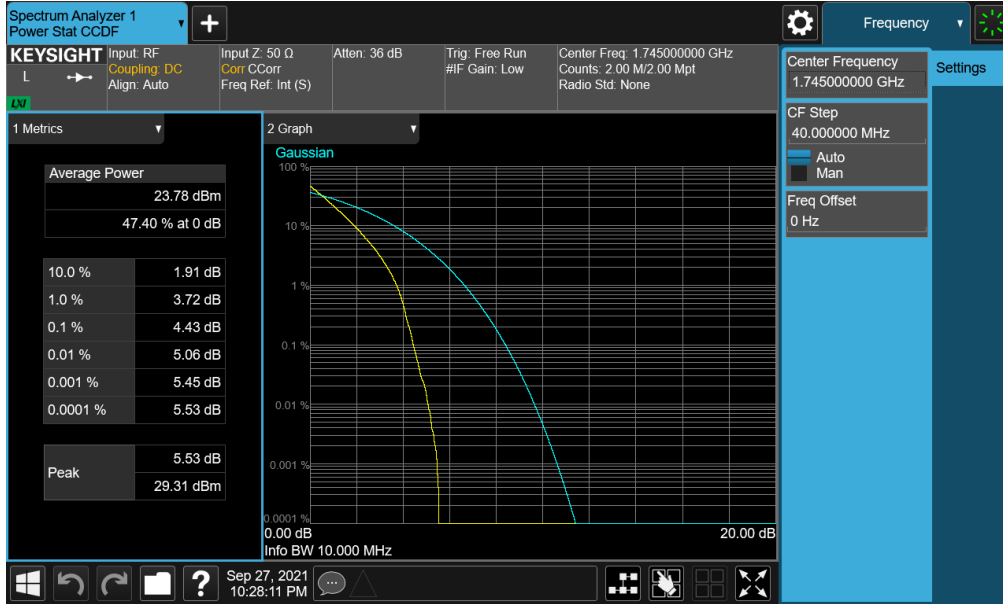


Plot 7-276. PAR Plot (NR Band n66 - 15.0MHz DFT-s-OFDM BPSK - Full RB)

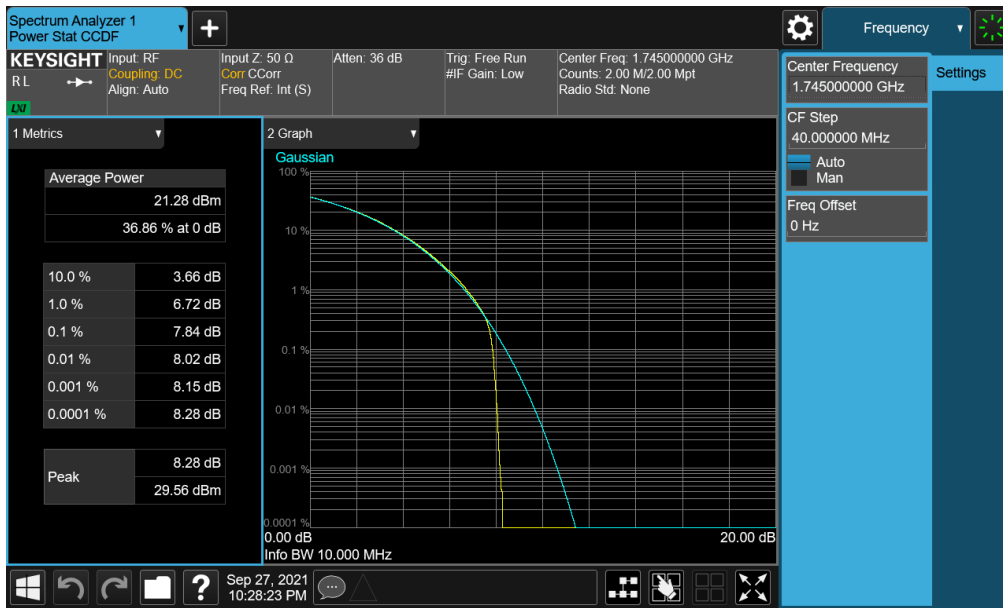
| | | | | |
|---|---|--------------------------------------|--|--|
| FCC ID: A3LSMS908U | PCTEST Proud to be part of element | PART 27 MEASUREMENT REPORT | | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | | Page 164 of 214 |



| | | | | |
|--|---|-----------------------------------|--|-----------------------------------|
| FCC ID: A3LSMS908U | PCTEST Proud to be part of element | PART 27 MEASUREMENT REPORT | | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | | Page 165 of 214 |



Plot 7-279. PAR Plot (NR Band n66 - 10.0MHz DFT-s-OFDM BPSK - Full RB)

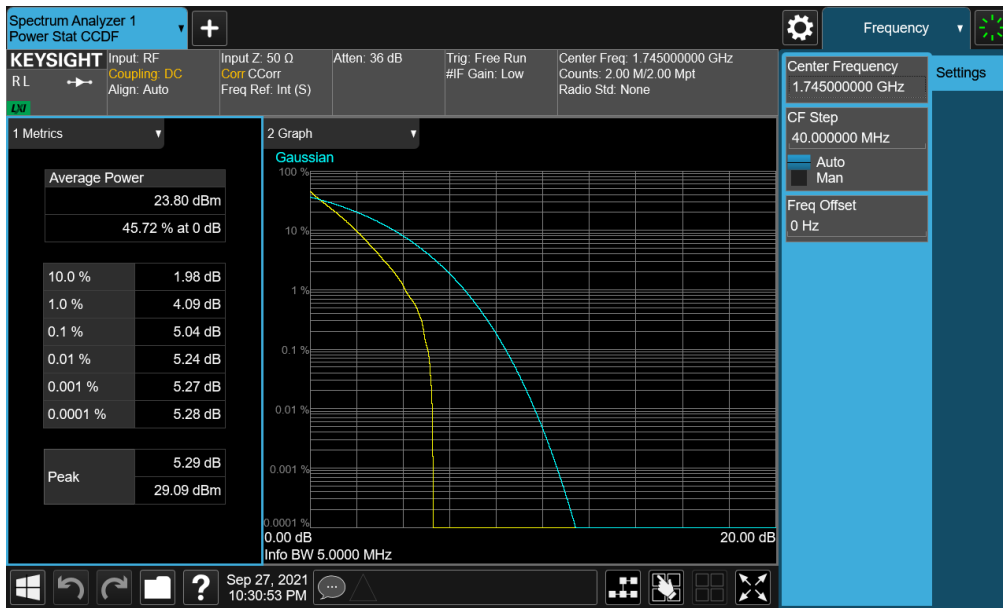


Plot 7-280. PAR Plot (NR Band n66 - 10.0MHz CP-OFDM QPSK - Full RB)

| | | | | |
|---|---|--------------------------------------|--|--|
| FCC ID: A3LSMS908U | PCTEST Proud to be part of element | PART 27 MEASUREMENT REPORT | | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | | Page 166 of 214 |



Plot 7-281. PAR Plot (NR Band n66 - 10.0MHz CP-OFDM 256-QAM - Full RB)



Plot 7-282. PAR Plot (NR Band n66 - 5.0MHz DFT-s-OFDM BPSK - Full RB)

| | | | | |
|--|---|-----------------------------------|--|-----------------------------------|
| FCC ID: A3LSMS908U | PCTEST Proud to be part of element | PART 27 MEASUREMENT REPORT | | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | | Page 167 of 214 |



| | | | | |
|--|--|-----------------------------------|----------------|-----------------------------------|
| FCC ID: A3LSMS908U | PCTEST Proud to be part of element | PART 27 MEASUREMENT REPORT | SAMSUNG | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | | Page 168 of 214 |

7.7 Radiated Power (ERP/EIRP)

Test Overview

Effective Radiated Power (ERP) and Equivalent Isotropic Radiated Power (EIRP) measurements are performed using the substitution method described in ANSI/TIA-603-E-2016 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using vertically and horizontally polarized tuned dipole antennas. Measurements on signals operating above 1GHz 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

KDB 971168 D01 v03r01 - Section 5.2.1

ANSI/TIA-603-E-2016 - Section 2.2.17

Test Settings

1. Radiated power measurements are performed using the signal analyzer's "channel power" measurement capability for signals with continuous operation.
2. RBW = 1 - 5% of the expected OBW, not to exceed 1MHz
3. VBW \geq 3 x RBW
4. Span = 1.5 times the OBW
5. No. of sweep points \geq 2 x span / RBW
6. Detector = RMS
7. Trigger is set to "free run" for signals with continuous operation with the sweep times set to "auto".
8. The integration bandwidth was roughly set equal to the measured OBW of the signal for signals with continuous operation.
9. Trace mode = trace averaging (RMS) over 100 sweeps
10. The trace was allowed to stabilize

| | | | | |
|--|---|-------------------------------|---|-----------------------------------|
| FCC ID: A3LSMS908U |  PCTEST Proud to be part of element | PART 27 MEASUREMENT REPORT |  | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | | Page 169 of 214 |

Test Setup

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

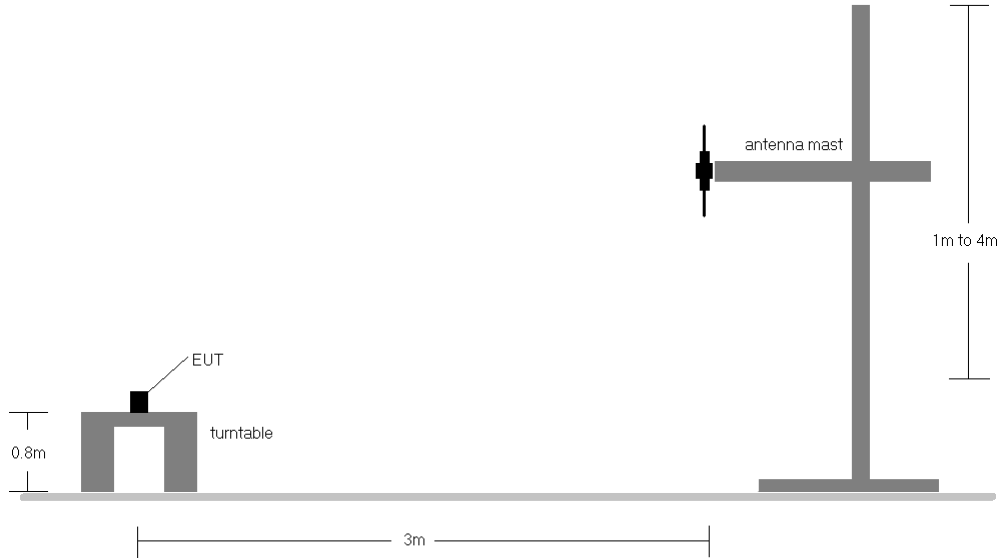


Figure 7-6. Radiated Test Setup <1GHz

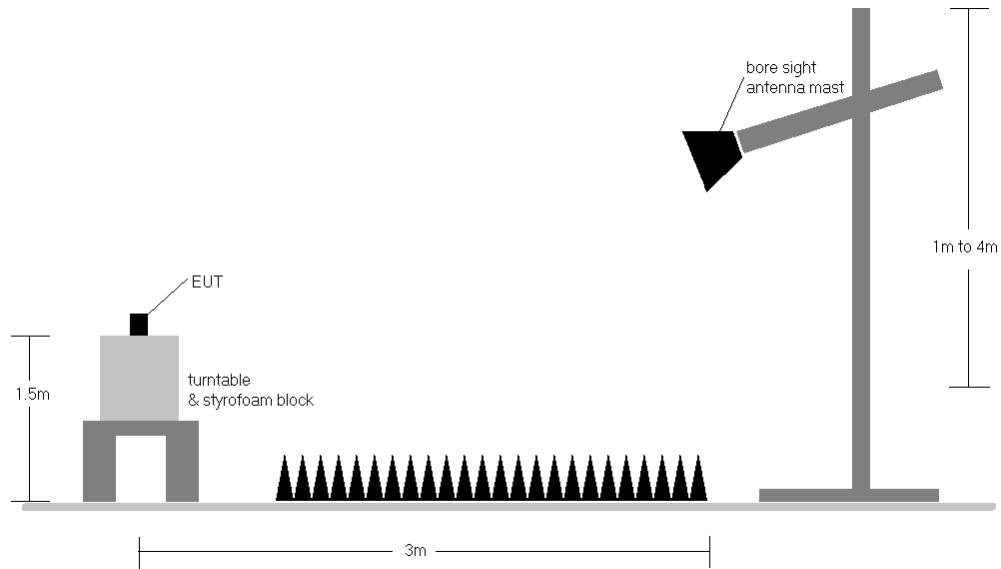




Figure 7-7. Radiated Test Setup >1GHz

| | | | | |
|--|--------------------------------------|-------------------------------|-----------------|-----------------------------------|
| FCC ID: A3LSMS908U | | PART 27 MEASUREMENT REPORT | | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | Page 170 of 214 | |

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.

| | | | |
|--|---|-------------------------------|-----------------------------------|
| FCC ID: A3LSMS908U |  PART 27 MEASUREMENT REPORT  | | Approved by: Technical Manager |
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| 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] | ERP [dBm] | ERP [Watts] | ERP Limit [dBm] | Margin [dB] |
|-----------|---------------|-----------------|-----------------|---------------------|----------------------------|-----------------|----------------|------------------------|--------------|--------------|------------------|-------------|--------------|-------------|-----------------|-------------|
| 20 MHz | QPSK | 673.0 | H | 133 | 82 | 2.99 | 1 / 99 | 16.51 | 19.50 | 0.089 | 36.99 | -17.49 | 17.35 | 0.054 | 34.77 | -17.42 |
| | QPSK | 680.5 | H | 134 | 81 | 3.09 | 1 / 50 | 16.63 | 19.72 | 0.094 | 36.99 | -17.27 | 17.57 | 0.057 | 34.77 | -17.21 |
| | QPSK | 688.0 | H | 137 | 77 | 3.08 | 1 / 50 | 16.76 | 19.84 | 0.096 | 36.99 | -17.15 | 17.69 | 0.059 | 34.77 | -17.08 |
| | 16-QAM | 688.0 | H | 137 | 77 | 3.08 | 1 / 50 | 16.21 | 19.29 | 0.085 | 36.99 | -17.70 | 17.14 | 0.052 | 34.77 | -17.63 |
| 15 MHz | QPSK | 670.5 | H | 133 | 82 | 2.96 | 1 / 37 | 16.58 | 19.54 | 0.090 | 36.99 | -17.45 | 17.39 | 0.055 | 34.77 | -17.38 |
| | QPSK | 680.5 | H | 134 | 81 | 3.09 | 1 / 37 | 16.64 | 19.72 | 0.094 | 36.99 | -17.27 | 17.57 | 0.057 | 34.77 | -17.20 |
| | QPSK | 690.5 | H | 137 | 77 | 3.11 | 1 / 37 | 16.85 | 19.97 | 0.099 | 36.99 | -17.02 | 17.82 | 0.060 | 34.77 | -16.95 |
| | 16-QAM | 690.5 | H | 137 | 77 | 3.11 | 1 / 37 | 16.10 | 19.21 | 0.083 | 36.99 | -17.78 | 17.06 | 0.051 | 34.77 | -17.71 |
| 10 MHz | QPSK | 668.0 | H | 133 | 82 | 2.92 | 1 / 25 | 16.55 | 19.48 | 0.089 | 36.99 | -17.51 | 17.33 | 0.054 | 34.77 | -17.45 |
| | QPSK | 680.5 | H | 134 | 81 | 3.09 | 1 / 25 | 16.61 | 19.70 | 0.093 | 36.99 | -17.29 | 17.55 | 0.057 | 34.77 | -17.22 |
| | QPSK | 693.0 | H | 137 | 77 | 3.14 | 1 / 25 | 16.68 | 19.83 | 0.096 | 36.99 | -17.16 | 17.68 | 0.059 | 34.77 | -17.09 |
| | 16-QAM | 693.0 | H | 137 | 77 | 3.14 | 1 / 25 | 16.03 | 19.18 | 0.083 | 36.99 | -17.81 | 17.03 | 0.050 | 34.77 | -17.74 |
| 5 MHz | QPSK | 665.5 | H | 133 | 82 | 2.94 | 1 / 12 | 16.82 | 19.76 | 0.095 | 36.99 | -17.23 | 17.61 | 0.058 | 34.77 | -17.16 |
| | QPSK | 680.5 | H | 134 | 81 | 3.09 | 1 / 12 | 16.71 | 19.79 | 0.095 | 36.99 | -17.20 | 17.64 | 0.058 | 34.77 | -17.13 |
| | QPSK | 695.5 | H | 137 | 77 | 3.18 | 1 / 12 | 16.92 | 20.10 | 0.102 | 36.99 | -16.89 | 17.95 | 0.062 | 34.77 | -16.82 |
| | 16-QAM | 695.5 | H | 137 | 77 | 3.18 | 1 / 12 | 16.16 | 19.34 | 0.086 | 36.99 | -17.65 | 17.19 | 0.052 | 34.77 | -17.58 |
| 20 MHz | Opposite Pol. | 688.0 | V | 100 | 111 | 3.28 | 1 / 12 | 16.29 | 19.57 | 0.091 | 36.99 | -17.42 | 17.42 | 0.055 | 34.77 | -17.35 |
| | WCP | 688.0 | H | 100 | 105 | 3.08 | 1 / 12 | 11.23 | 14.31 | 0.027 | 36.99 | -22.68 | 12.16 | 0.016 | 34.77 | -22.61 |



Table 7-3. ERP Data (LTE Band 71)

| 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] | ERP [dBm] | ERP [Watts] | ERP Limit [dBm] | Margin [dB] |
|-----------|---------------|-----------------|-----------------|---------------------|----------------------------|-----------------|----------------|------------------------|--------------|--------------|------------------|-------------|--------------|-------------|-----------------|-------------|
| 10 MHz | QPSK | 704.0 | V | 169 | 63 | 3.58 | 1 / 49 | 15.87 | 19.45 | 0.088 | 36.99 | -17.54 | 17.30 | 0.054 | 34.77 | -17.47 |
| | QPSK | 707.5 | V | 175 | 71 | 3.62 | 1 / 25 | 15.92 | 19.54 | 0.090 | 36.99 | -17.45 | 17.39 | 0.055 | 34.77 | -17.39 |
| | QPSK | 711.0 | V | 172 | 66 | 3.67 | 1 / 25 | 15.90 | 19.57 | 0.091 | 36.99 | -17.42 | 17.42 | 0.055 | 34.77 | -17.35 |
| | 16-QAM | 707.5 | V | 175 | 71 | 3.62 | 1 / 25 | 15.08 | 18.70 | 0.074 | 36.99 | -18.29 | 16.55 | 0.045 | 34.77 | -18.22 |
| 5 MHz | QPSK | 701.5 | V | 169 | 63 | 3.55 | 1 / 12 | 16.06 | 19.61 | 0.091 | 36.99 | -17.38 | 17.46 | 0.056 | 34.77 | -17.31 |
| | QPSK | 707.5 | V | 175 | 71 | 3.62 | 1 / 12 | 15.95 | 19.58 | 0.091 | 36.99 | -17.41 | 17.43 | 0.055 | 34.77 | -17.34 |
| | QPSK | 713.5 | V | 172 | 66 | 3.80 | 1 / 12 | 15.83 | 19.63 | 0.092 | 36.99 | -17.36 | 17.48 | 0.056 | 34.77 | -17.29 |
| | 16-QAM | 707.5 | V | 175 | 71 | 3.62 | 1 / 12 | 15.09 | 18.72 | 0.074 | 36.99 | -18.27 | 16.57 | 0.045 | 34.77 | -18.20 |
| 3 MHz | QPSK | 700.5 | V | 169 | 63 | 3.54 | 1 / 7 | 15.94 | 19.48 | 0.089 | 36.99 | -17.51 | 17.33 | 0.054 | 34.77 | -17.44 |
| | QPSK | 707.5 | V | 175 | 71 | 3.62 | 1 / 7 | 15.86 | 19.48 | 0.089 | 36.99 | -17.51 | 17.33 | 0.054 | 34.77 | -17.44 |
| | QPSK | 714.5 | V | 172 | 66 | 3.81 | 1 / 7 | 15.81 | 19.62 | 0.092 | 36.99 | -17.37 | 17.47 | 0.056 | 34.77 | -17.30 |
| | 16-QAM | 707.5 | V | 175 | 71 | 3.62 | 1 / 7 | 15.03 | 18.66 | 0.073 | 36.99 | -18.33 | 16.51 | 0.045 | 34.77 | -18.26 |
| 1.4 MHz | QPSK | 699.7 | V | 169 | 63 | 3.53 | 1 / 3 | 16.01 | 19.54 | 0.090 | 36.99 | -17.45 | 17.39 | 0.055 | 34.77 | -17.38 |
| | QPSK | 707.5 | V | 175 | 71 | 3.62 | 1 / 3 | 15.79 | 19.42 | 0.087 | 36.99 | -17.57 | 17.27 | 0.053 | 34.77 | -17.50 |
| | QPSK | 715.3 | V | 172 | 66 | 3.85 | 1 / 3 | 15.65 | 19.50 | 0.089 | 36.99 | -17.49 | 17.35 | 0.054 | 34.77 | -17.42 |
| | 16-QAM | 707.5 | V | 175 | 71 | 3.62 | 1 / 3 | 15.17 | 18.79 | 0.076 | 36.99 | -18.20 | 16.64 | 0.046 | 34.77 | -18.13 |
| 10 MHz | Opposite Pol. | 711.0 | H | 148 | 78 | 3.57 | 1 / 0 | 14.87 | 18.44 | 0.070 | 36.99 | -18.55 | 16.29 | 0.043 | 34.77 | -18.48 |
| | WCP | 711.0 | V | 177 | 61 | 3.67 | 1 / 0 | 9.42 | 13.09 | 0.020 | 36.99 | -23.90 | 10.94 | 0.012 | 34.77 | -23.83 |

Table 7-4. ERP Data (LTE Band 12)

| 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] | ERP [dBm] | ERP [Watts] | ERP Limit [dBm] | Margin [dB] |
|-----------|---------------|-----------------|-----------------|---------------------|----------------------------|-----------------|----------------|------------------------|--------------|--------------|------------------|-------------|--------------|-------------|-----------------|-------------|
| 10 MHz | QPSK | 782.0 | V | 155 | 74 | 5.99 | 1 / 0 | 14.92 | 20.91 | 0.123 | 36.99 | -16.08 | 18.76 | 0.075 | 34.77 | -16.01 |
| | 16-QAM | 782.0 | V | 155 | 74 | 5.99 | 1 / 0 | 13.94 | 19.93 | 0.098 | 36.99 | -17.06 | 17.78 | 0.060 | 34.77 | -16.99 |
| 5 MHz | QPSK | 779.5 | V | 155 | 74 | 5.97 | 1 / 12 | 14.88 | 20.84 | 0.121 | 36.99 | -16.15 | 18.69 | 0.074 | 34.77 | -16.08 |
| | QPSK | 782.0 | V | 155 | 74 | 5.99 | 1 / 12 | 15.13 | 21.12 | 0.129 | 36.99 | -15.87 | 18.97 | 0.079 | 34.77 | -15.80 |
| | QPSK | 784.5 | V | 155 | 74 | 6.07 | 1 / 12 | 15.05 | 21.12 | 0.129 | 36.99 | -15.87 | 18.97 | 0.079 | 34.77 | -15.80 |
| | 16-QAM | 784.5 | V | 155 | 74 | 6.07 | 1 / 12 | 13.92 | 19.99 | 0.100 | 36.99 | -16.99 | 17.84 | 0.061 | 34.77 | -16.93 |
| 10 MHz | Opposite Pol. | 782.0 | H | 248 | 79 | 6.09 | 1 / 12 | 14.73 | 20.82 | 0.121 | 36.99 | -16.17 | 18.67 | 0.074 | 34.77 | -16.10 |
| | WCP | 782.0 | V | 139 | 25 | 5.99 | 1 / 24 | 8.01 | 14.00 | 0.025 | 36.99 | -22.99 | 11.85 | 0.015 | 34.77 | -22.92 |

Table 7-5. ERP Data (LTE Band 13)

| | | | | |
|--|---|-------------------------------|---|-----------------------------------|
| FCC ID: A3LSMS908U |  PCTEST Proud to be part of element | PART 27 MEASUREMENT REPORT |  | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | | Page 172 of 214 |

| 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] | ERP [dBm] | ERP [Watts] | ERP Limit [dBm] | Margin [dB] |
|------------|----------------------|-----------------|-----------------|---------------------|----------------------------|-----------------|----------------|------------------------|--------------|--------------|------------------|-------------|--------------|-------------|-----------------|-------------|
| 20 MHz | π/2 BPSK | 673.0 | H | 133 | 82 | 2.99 | 1 / 79 | 15.55 | 18.54 | 0.071 | 36.99 | -18.45 | 16.39 | 0.044 | 34.77 | -18.38 |
| | π/2 BPSK | 680.5 | H | 135 | 76 | 3.09 | 1 / 79 | 16.43 | 19.52 | 0.089 | 36.99 | -17.47 | 17.37 | 0.055 | 34.77 | -17.41 |
| | π/2 BPSK | 688.0 | H | 133 | 82 | 3.08 | 1 / 53 | 16.40 | 19.48 | 0.089 | 36.99 | -17.51 | 17.33 | 0.054 | 34.77 | -17.44 |
| | QPSK | 673.0 | H | 133 | 82 | 2.99 | 1 / 79 | 15.67 | 18.66 | 0.073 | 36.99 | -18.33 | 16.51 | 0.045 | 34.77 | -18.26 |
| | QPSK | 680.5 | H | 135 | 76 | 3.09 | 1 / 79 | 16.32 | 19.41 | 0.087 | 36.99 | -17.58 | 17.26 | 0.053 | 34.77 | -17.52 |
| | QPSK | 688.0 | H | 133 | 82 | 3.08 | 1 / 53 | 16.39 | 19.47 | 0.089 | 36.99 | -17.52 | 17.32 | 0.054 | 34.77 | -17.45 |
| 15 MHz | 16-QAM | 680.5 | H | 135 | 76 | 3.09 | 1 / 79 | 15.52 | 18.61 | 0.073 | 36.99 | -18.38 | 16.46 | 0.044 | 34.77 | -18.32 |
| | π/2 BPSK | 670.5 | H | 133 | 82 | 2.96 | 1 / 20 | 15.53 | 18.49 | 0.071 | 36.99 | -18.50 | 16.34 | 0.043 | 34.77 | -18.43 |
| | π/2 BPSK | 680.5 | H | 135 | 76 | 3.09 | 1 / 39 | 16.60 | 19.69 | 0.093 | 36.99 | -17.30 | 17.54 | 0.057 | 34.77 | -17.23 |
| | π/2 BPSK | 690.5 | H | 133 | 82 | 3.11 | 1 / 39 | 16.47 | 19.58 | 0.091 | 36.99 | -17.41 | 17.43 | 0.055 | 34.77 | -17.34 |
| | QPSK | 670.5 | H | 133 | 82 | 2.96 | 1 / 20 | 15.37 | 18.33 | 0.068 | 36.99 | -18.66 | 16.18 | 0.042 | 34.77 | -18.59 |
| | QPSK | 680.5 | H | 135 | 76 | 3.09 | 1 / 39 | 16.48 | 19.57 | 0.091 | 36.99 | -17.42 | 17.42 | 0.055 | 34.77 | -17.35 |
| 10 MHz | QPSK | 690.5 | H | 133 | 82 | 3.11 | 1 / 39 | 16.20 | 19.31 | 0.085 | 36.99 | -17.68 | 17.16 | 0.052 | 34.77 | -17.61 |
| | 16-QAM | 680.5 | H | 135 | 76 | 3.09 | 1 / 39 | 15.67 | 18.76 | 0.075 | 36.99 | -18.23 | 16.61 | 0.046 | 34.77 | -18.16 |
| | π/2 BPSK | 668.0 | H | 133 | 82 | 2.92 | 1 / 13 | 15.44 | 18.36 | 0.069 | 36.99 | -18.63 | 16.21 | 0.042 | 34.77 | -18.56 |
| | π/2 BPSK | 680.5 | H | 135 | 76 | 3.09 | 1 / 38 | 16.57 | 19.66 | 0.092 | 36.99 | -17.33 | 17.51 | 0.056 | 34.77 | -17.26 |
| | π/2 BPSK | 693.0 | H | 133 | 82 | 3.14 | 1 / 13 | 16.27 | 19.41 | 0.087 | 36.99 | -17.58 | 17.26 | 0.053 | 34.77 | -17.51 |
| | QPSK | 668.0 | H | 133 | 82 | 2.92 | 1 / 13 | 15.31 | 18.23 | 0.067 | 36.99 | -18.76 | 16.08 | 0.041 | 34.77 | -18.69 |
| 5 MHz | QPSK | 680.5 | H | 135 | 76 | 3.09 | 1 / 38 | 16.28 | 19.37 | 0.086 | 36.99 | -17.62 | 17.22 | 0.053 | 34.77 | -17.56 |
| | QPSK | 693.0 | H | 133 | 82 | 3.14 | 1 / 13 | 16.33 | 19.48 | 0.089 | 36.99 | -17.51 | 17.33 | 0.054 | 34.77 | -17.44 |
| | 16-QAM | 693.0 | H | 133 | 82 | 3.14 | 1 / 13 | 15.98 | 19.13 | 0.082 | 36.99 | -17.86 | 16.98 | 0.050 | 34.77 | -17.79 |
| | π/2 BPSK | 665.5 | H | 133 | 82 | 2.94 | 1 / 6 | 15.75 | 18.69 | 0.074 | 36.99 | -18.30 | 16.54 | 0.045 | 34.77 | -18.23 |
| | π/2 BPSK | 680.5 | H | 135 | 76 | 3.09 | 1 / 12 | 16.68 | 19.76 | 0.095 | 36.99 | -17.23 | 17.61 | 0.058 | 34.77 | -17.16 |
| | π/2 BPSK | 695.5 | H | 133 | 82 | 3.18 | 1 / 12 | 16.35 | 19.52 | 0.090 | 36.99 | -17.47 | 17.37 | 0.055 | 34.77 | -17.40 |
| 20 MHz | QPSK | 665.5 | H | 133 | 82 | 2.94 | 1 / 6 | 15.55 | 18.49 | 0.071 | 36.99 | -18.50 | 16.34 | 0.043 | 34.77 | -18.43 |
| | QPSK | 680.5 | H | 135 | 76 | 3.09 | 1 / 12 | 16.64 | 19.72 | 0.094 | 36.99 | -17.27 | 17.57 | 0.057 | 34.77 | -17.20 |
| | QPSK | 695.5 | H | 133 | 82 | 3.18 | 1 / 12 | 16.39 | 19.57 | 0.091 | 36.99 | -17.42 | 17.42 | 0.055 | 34.77 | -17.35 |
| | 16-QAM | 695.5 | H | 133 | 82 | 3.18 | 1 / 12 | 15.84 | 19.01 | 0.080 | 36.99 | -17.98 | 16.86 | 0.049 | 34.77 | -17.91 |
| | QPSK (CP-OFDM) | 680.5 | H | 138 | 78 | 3.09 | 1 / 18 | 16.37 | 19.46 | 0.088 | 36.99 | -17.53 | 17.31 | 0.054 | 34.77 | -17.47 |
| | QPSK (Opposite Pol.) | 680.5 | V | 178 | 139 | 3.09 | 1 / 18 | 15.58 | 18.67 | 0.074 | 36.99 | -18.32 | 16.52 | 0.045 | 34.77 | -18.26 |
| QPSK (WCP) | 680.5 | H | 135 | 82 | 3.09 | 1 / 18 | 15.79 | 18.88 | 0.077 | 36.99 | -18.11 | 16.73 | 0.047 | 34.77 | -18.05 | |



Table 7-6. EIRP Data (NR Band n71)

| 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] | ERP [dBm] | ERP [Watts] | ERP Limit [dBm] | Margin [dB] |
|----------------------|----------------|-----------------|-----------------|---------------------|----------------------------|-----------------|----------------|------------------------|--------------|--------------|------------------|-------------|--------------|-------------|-----------------|-------------|
| 15 MHz | π/2 BPSK | 706.5 | H | 112 | 82 | 3.61 | 1 / 20 | 16.20 | 19.81 | 0.096 | 36.99 | -17.18 | 17.66 | 0.058 | 34.77 | -17.11 |
| | π/2 BPSK | 707.5 | H | 123 | 73 | 3.62 | 1 / 58 | 16.23 | 19.85 | 0.097 | 36.99 | -17.14 | 17.70 | 0.059 | 34.77 | -17.07 |
| | π/2 BPSK | 708.5 | H | 119 | 75 | 3.64 | 1 / 58 | 16.22 | 19.86 | 0.097 | 36.99 | -17.13 | 17.71 | 0.059 | 34.77 | -17.07 |
| | QPSK | 706.5 | H | 112 | 82 | 3.61 | 1 / 20 | 16.35 | 19.96 | 0.099 | 36.99 | -17.03 | 17.81 | 0.060 | 34.77 | -16.96 |
| | QPSK | 707.5 | H | 123 | 73 | 3.62 | 1 / 58 | 16.30 | 19.92 | 0.098 | 36.99 | -17.07 | 17.77 | 0.060 | 34.77 | -17.00 |
| | QPSK | 708.5 | H | 119 | 75 | 3.64 | 1 / 58 | 16.34 | 19.98 | 0.099 | 36.99 | -17.01 | 17.83 | 0.061 | 34.77 | -16.95 |
| 10 MHz | 16-QAM | 707.5 | H | 123 | 73 | 3.62 | 1 / 58 | 15.28 | 18.90 | 0.078 | 36.99 | -18.09 | 16.75 | 0.047 | 34.77 | -18.02 |
| | π/2 BPSK | 704.0 | H | 112 | 82 | 3.58 | 1 / 38 | 15.85 | 19.43 | 0.088 | 36.99 | -17.56 | 17.28 | 0.053 | 34.77 | -17.49 |
| | π/2 BPSK | 707.5 | H | 123 | 73 | 3.62 | 1 / 38 | 15.87 | 19.49 | 0.089 | 36.99 | -17.50 | 17.34 | 0.054 | 34.77 | -17.43 |
| | π/2 BPSK | 711.0 | H | 119 | 75 | 3.67 | 1 / 26 | 16.06 | 19.73 | 0.094 | 36.99 | -17.26 | 17.58 | 0.057 | 34.77 | -17.19 |
| | QPSK | 704.0 | H | 112 | 82 | 3.58 | 1 / 38 | 16.28 | 19.86 | 0.097 | 36.99 | -17.13 | 17.71 | 0.059 | 34.77 | -17.06 |
| | QPSK | 707.5 | H | 123 | 73 | 3.62 | 1 / 38 | 15.93 | 19.55 | 0.090 | 36.99 | -17.44 | 17.40 | 0.055 | 34.77 | -17.37 |
| 5 MHz | QPSK | 711.0 | H | 119 | 75 | 3.67 | 1 / 26 | 16.16 | 19.83 | 0.096 | 36.99 | -17.16 | 17.68 | 0.059 | 34.77 | -17.09 |
| | 16-QAM | 704.0 | H | 112 | 82 | 3.58 | 1 / 38 | 15.04 | 18.62 | 0.073 | 36.99 | -18.37 | 16.47 | 0.044 | 34.77 | -18.30 |
| | π/2 BPSK | 701.5 | H | 112 | 82 | 3.55 | 1 / 18 | 16.00 | 19.55 | 0.090 | 36.99 | -17.44 | 17.40 | 0.055 | 34.77 | -17.37 |
| | π/2 BPSK | 707.5 | H | 123 | 73 | 3.62 | 1 / 12 | 15.98 | 19.60 | 0.091 | 36.99 | -17.39 | 17.45 | 0.056 | 34.77 | -17.32 |
| | π/2 BPSK | 713.5 | H | 119 | 75 | 3.80 | 1 / 18 | 15.85 | 19.65 | 0.092 | 36.99 | -17.34 | 17.50 | 0.056 | 34.77 | -17.27 |
| | QPSK | 701.5 | H | 112 | 82 | 3.55 | 1 / 18 | 16.25 | 19.80 | 0.095 | 36.99 | -17.19 | 17.65 | 0.058 | 34.77 | -17.12 |
| 15 MHz | QPSK | 707.5 | H | 123 | 73 | 3.62 | 1 / 12 | 16.13 | 19.75 | 0.094 | 36.99 | -17.24 | 17.60 | 0.058 | 34.77 | -17.17 |
| | QPSK | 713.5 | H | 119 | 75 | 3.80 | 1 / 18 | 15.97 | 19.77 | 0.095 | 36.99 | -17.22 | 17.62 | 0.058 | 34.77 | -17.15 |
| | 16-QAM | 707.5 | H | 123 | 73 | 3.62 | 1 / 12 | 15.26 | 18.88 | 0.077 | 36.99 | -18.11 | 16.73 | 0.047 | 34.77 | -18.04 |
| | QPSK (CP-OFDM) | 708.5 | H | 123 | 82 | 3.64 | 1 / 58 | 14.89 | 18.53 | 0.071 | 36.99 | -18.46 | 16.38 | 0.043 | 34.77 | -18.40 |
| QPSK (Opposite Pol.) | 708.5 | V | 183 | 65 | 3.64 | 1 / 20 | 15.48 | 19.12 | 0.082 | 36.99 | -17.87 | 16.97 | 0.050 | 34.77 | -17.81 | |
| QPSK (WCP) | 708.5 | H | 102 | 120 | 3.64 | 1 / 20 | 11.35 | 14.99 | 0.032 | 36.99 | -22.00 | 12.84 | 0.019 | 34.77 | -21.94 | |

Table 7-7. EIRP Data (NR Band n12)



| Frequency [MHz] | Mode | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Substitute Level [dBm] | Ant. Gain [dBi] | EIRP [dBm] | EIRP [Watts] | EIRP Limit [dBm] | Margin [dB] |
|-----------------|-----------------|-----------------|---------------------|----------------------------|------------------------|-----------------|--------------|--------------|------------------|-------------|
| 1712.40 | WCDMA1700 | V | 157.00 | 323.00 | 14.85 | 9.47 | 24.32 | 0.270 | 30.00 | -5.68 |
| 1732.60 | WCDMA1700 | V | 142.00 | 337.00 | 14.50 | 9.15 | 23.65 | 0.232 | 30.00 | -6.35 |
| 1752.60 | WCDMA1700 | V | 143.00 | 324.00 | 12.93 | 9.05 | 21.98 | 0.158 | 30.00 | -8.02 |
| 1712.40 | WCDMA1700 | H | 118.00 | 358.00 | 12.51 | 9.54 | 22.05 | 0.160 | 30.00 | -7.95 |
| 1712.40 | WCDMA1700 (WCP) | V | 157.00 | 327.00 | 9.64 | 9.47 | 19.11 | 0.081 | 30.00 | -10.89 |

Table 7-8. EIRP Data (WCDMA AWS)

| | | | | |
|---|---|-------------------------------|---|-----------------------------------|
| FCC ID: A3LSMS908U |  PCTEST Proud to be part of element | PART 27 MEASUREMENT REPORT |  | Approved by: Technical Manager |
| Test Report S/N: 1M210909102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | | Page 173 of 214 |



| 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 | 1720.0 | H | 138 | 136 | 9.47 | 1 / 50 | 14.77 | 24.24 | 0.265 | 30.00 | -5.76 |
| | QPSK | 1745.0 | H | 126 | 137 | 9.48 | 1 / 50 | 14.34 | 23.82 | 0.241 | 30.00 | -6.18 |
| | QPSK | 1770.0 | H | 133 | 145 | 9.39 | 1 / 50 | 14.63 | 24.02 | 0.252 | 30.00 | -5.98 |
| | 16-QAM | 1720.0 | H | 138 | 136 | 9.47 | 1 / 50 | 14.32 | 23.79 | 0.239 | 30.00 | -6.21 |
| 15 MHz | QPSK | 1717.5 | H | 138 | 136 | 9.49 | 1 / 37 | 14.81 | 24.30 | 0.269 | 30.00 | -5.70 |
| | QPSK | 1745.0 | H | 126 | 137 | 9.48 | 1 / 37 | 14.27 | 23.75 | 0.237 | 30.00 | -6.25 |
| | QPSK | 1772.5 | H | 133 | 145 | 9.36 | 1 / 37 | 14.54 | 23.90 | 0.246 | 30.00 | -6.10 |
| | 16-QAM | 1717.5 | H | 138 | 136 | 9.49 | 1 / 37 | 14.18 | 23.67 | 0.233 | 30.00 | -6.33 |
| 10 MHz | QPSK | 1715.0 | H | 138 | 136 | 9.52 | 1 / 25 | 14.90 | 24.42 | 0.277 | 30.00 | -5.58 |
| | QPSK | 1745.0 | H | 126 | 137 | 9.48 | 1 / 25 | 14.29 | 23.77 | 0.238 | 30.00 | -6.23 |
| | QPSK | 1775.0 | H | 133 | 145 | 9.34 | 1 / 25 | 14.52 | 23.86 | 0.243 | 30.00 | -6.14 |
| | 16-QAM | 1715.0 | H | 138 | 136 | 9.52 | 1 / 49 | 14.48 | 23.99 | 0.251 | 30.00 | -6.01 |
| 5 MHz | QPSK | 1712.5 | H | 138 | 136 | 9.54 | 1 / 12 | 14.83 | 24.38 | 0.274 | 30.00 | -5.62 |
| | QPSK | 1745.0 | H | 126 | 137 | 9.48 | 1 / 12 | 14.50 | 23.98 | 0.250 | 30.00 | -6.02 |
| | QPSK | 1777.5 | H | 133 | 145 | 9.31 | 1 / 12 | 14.61 | 23.92 | 0.247 | 30.00 | -6.08 |
| | 16-QAM | 1712.5 | H | 138 | 136 | 9.54 | 1 / 12 | 14.42 | 23.96 | 0.249 | 30.00 | -6.04 |
| 3 MHz | QPSK | 1711.5 | H | 138 | 136 | 9.55 | 1 / 14 | 14.83 | 24.38 | 0.274 | 30.00 | -5.62 |
| | QPSK | 1745.0 | H | 126 | 137 | 9.48 | 1 / 7 | 14.48 | 23.96 | 0.249 | 30.00 | -6.04 |
| | QPSK | 1778.5 | H | 133 | 145 | 9.30 | 1 / 0 | 14.54 | 23.84 | 0.242 | 30.00 | -6.16 |
| | 16-QAM | 1711.5 | H | 138 | 136 | 9.55 | 1 / 7 | 14.30 | 23.85 | 0.243 | 30.00 | -6.15 |
| 1.4 MHz | QPSK | 1710.7 | H | 138 | 136 | 9.56 | 1 / 5 | 14.84 | 24.40 | 0.276 | 30.00 | -5.60 |
| | QPSK | 1745.0 | H | 126 | 137 | 9.48 | 1 / 0 | 14.34 | 23.82 | 0.241 | 30.00 | -6.18 |
| | QPSK | 1779.3 | H | 133 | 145 | 9.29 | 1 / 0 | 14.71 | 24.00 | 0.251 | 30.00 | -6.00 |
| | 16-QAM | 1710.7 | H | 138 | 136 | 9.56 | 1 / 0 | 14.40 | 23.96 | 0.249 | 30.00 | -6.04 |
| 20 MHz | Opposite Pol. | 1720.0 | V | 144 | 310 | 9.48 | 1 / 50 | 12.71 | 22.19 | 0.166 | 30.00 | -7.81 |
| | WCP | 1720.0 | H | 146 | 275 | 9.48 | 1 / 50 | 13.06 | 22.54 | 0.179 | 30.00 | -7.46 |

Table 7-9. EIRP Data (LTE Band 66/4)

| | | | | |
|--|---|-------------------------------|---|-----------------------------------|
| FCC ID: A3LSMS908U |  PCTEST Proud to be part of element | PART 27 MEASUREMENT REPORT |  | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | | Page 174 of 214 |



| 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] |
|-----------|----------------------|-----------------|-----------------|---------------------|----------------------------|-----------------|----------------|------------------------|--------------|--------------|------------------|-------------|
| 40 MHz | $\pi/2$ BPSK | 1730.0 | V | 143 | 344 | 9.20 | 1 / 108 | 11.45 | 20.65 | 0.116 | 30.00 | -9.35 |
| | $\pi/2$ BPSK | 1745.0 | V | 101 | 18 | 9.03 | 1 / 108 | 12.49 | 21.52 | 0.142 | 30.00 | -8.48 |
| | $\pi/2$ BPSK | 1760.0 | V | 101 | 26 | 9.08 | 1 / 54 | 12.68 | 21.76 | 0.150 | 30.00 | -8.24 |
| | QPSK | 1730.0 | V | 143 | 344 | 9.20 | 1 / 108 | 11.68 | 20.88 | 0.122 | 30.00 | -9.12 |
| | QPSK | 1745.0 | V | 101 | 18 | 9.03 | 1 / 108 | 12.71 | 21.74 | 0.149 | 30.00 | -8.26 |
| | QPSK | 1760.0 | V | 101 | 26 | 9.08 | 1 / 54 | 12.96 | 22.04 | 0.160 | 30.00 | -7.96 |
| | 16-QAM | 1760.0 | V | 101 | 26 | 9.08 | 1 / 54 | 12.07 | 21.15 | 0.130 | 30.00 | -8.85 |
| 30 MHz | $\pi/2$ BPSK | 1725.0 | V | 143 | 344 | 9.26 | 1 / 40 | 11.47 | 20.73 | 0.118 | 30.00 | -9.27 |
| | $\pi/2$ BPSK | 1745.0 | V | 101 | 18 | 9.03 | 1 / 80 | 12.46 | 21.49 | 0.141 | 30.00 | -8.51 |
| | $\pi/2$ BPSK | 1765.0 | V | 101 | 26 | 9.09 | 1 / 119 | 12.43 | 21.52 | 0.142 | 30.00 | -8.48 |
| | QPSK | 1725.0 | V | 143 | 344 | 9.26 | 1 / 40 | 11.78 | 21.04 | 0.127 | 30.00 | -8.96 |
| | QPSK | 1745.0 | V | 101 | 18 | 9.03 | 1 / 80 | 12.77 | 21.81 | 0.152 | 30.00 | -8.19 |
| | QPSK | 1765.0 | V | 101 | 26 | 9.09 | 1 / 119 | 12.94 | 22.03 | 0.160 | 30.00 | -7.97 |
| | 16-QAM | 1765.0 | V | 101 | 26 | 9.09 | 1 / 119 | 12.22 | 21.31 | 0.135 | 30.00 | -8.69 |
| 20 MHz | $\pi/2$ BPSK | 1720.0 | V | 143 | 344 | 9.33 | 1 / 79 | 11.48 | 20.81 | 0.121 | 30.00 | -9.19 |
| | $\pi/2$ BPSK | 1745.0 | V | 101 | 18 | 9.03 | 1 / 53 | 12.44 | 21.48 | 0.140 | 30.00 | -8.52 |
| | $\pi/2$ BPSK | 1770.0 | V | 101 | 26 | 9.10 | 1 / 79 | 12.53 | 21.63 | 0.146 | 30.00 | -8.37 |
| | QPSK | 1720.0 | V | 143 | 344 | 9.33 | 1 / 79 | 11.71 | 21.04 | 0.127 | 30.00 | -8.96 |
| | QPSK | 1745.0 | V | 101 | 18 | 9.03 | 1 / 53 | 12.77 | 21.80 | 0.151 | 30.00 | -8.20 |
| | QPSK | 1770.0 | V | 101 | 26 | 9.10 | 1 / 79 | 13.08 | 22.17 | 0.165 | 30.00 | -7.83 |
| | 16-QAM | 1770.0 | V | 101 | 26 | 9.10 | 1 / 79 | 12.15 | 21.25 | 0.133 | 30.00 | -8.75 |
| 15 MHz | $\pi/2$ BPSK | 1717.5 | V | 143 | 344 | 9.38 | 1 / 58 | 11.43 | 20.81 | 0.120 | 30.00 | -9.19 |
| | $\pi/2$ BPSK | 1745.0 | V | 101 | 18 | 9.03 | 1 / 58 | 12.43 | 21.46 | 0.140 | 30.00 | -8.54 |
| | $\pi/2$ BPSK | 1772.5 | V | 101 | 26 | 9.11 | 1 / 58 | 12.51 | 21.62 | 0.145 | 30.00 | -8.38 |
| | QPSK | 1717.5 | V | 143 | 344 | 9.38 | 1 / 58 | 11.57 | 20.95 | 0.124 | 30.00 | -9.05 |
| | QPSK | 1745.0 | V | 101 | 18 | 9.03 | 1 / 58 | 12.98 | 22.01 | 0.159 | 30.00 | -7.99 |
| | QPSK | 1772.5 | V | 101 | 26 | 9.11 | 1 / 58 | 13.03 | 22.15 | 0.164 | 30.00 | -7.85 |
| | 16-QAM | 1772.5 | V | 101 | 26 | 9.11 | 1 / 58 | 12.28 | 21.40 | 0.138 | 30.00 | -8.60 |
| 10 MHz | $\pi/2$ BPSK | 1715.0 | V | 143 | 344 | 9.42 | 1 / 38 | 11.37 | 20.79 | 0.120 | 30.00 | -9.21 |
| | $\pi/2$ BPSK | 1745.0 | V | 101 | 18 | 9.03 | 1 / 26 | 12.57 | 21.60 | 0.145 | 30.00 | -8.40 |
| | $\pi/2$ BPSK | 1775.0 | V | 101 | 26 | 9.13 | 1 / 38 | 12.52 | 21.65 | 0.146 | 30.00 | -8.35 |
| | QPSK | 1715.0 | V | 143 | 344 | 9.42 | 1 / 38 | 11.55 | 20.98 | 0.125 | 30.00 | -9.02 |
| | QPSK | 1745.0 | V | 101 | 18 | 9.03 | 1 / 26 | 12.96 | 22.00 | 0.158 | 30.00 | -8.00 |
| | QPSK | 1775.0 | V | 101 | 26 | 9.13 | 1 / 38 | 13.00 | 22.13 | 0.163 | 30.00 | -7.87 |
| | 16-QAM | 1775.0 | V | 101 | 26 | 9.13 | 1 / 38 | 12.15 | 21.28 | 0.134 | 30.00 | -8.72 |
| 5 MHz | $\pi/2$ BPSK | 1712.5 | V | 143 | 344 | 9.47 | 1 / 18 | 11.32 | 20.79 | 0.120 | 30.00 | -9.21 |
| | $\pi/2$ BPSK | 1745.0 | V | 101 | 18 | 9.03 | 1 / 18 | 12.62 | 21.65 | 0.146 | 30.00 | -8.35 |
| | $\pi/2$ BPSK | 1777.5 | V | 101 | 26 | 9.15 | 1 / 18 | 12.67 | 21.82 | 0.152 | 30.00 | -8.18 |
| | QPSK | 1712.5 | V | 143 | 344 | 9.47 | 1 / 18 | 11.21 | 20.68 | 0.117 | 30.00 | -9.32 |
| | QPSK | 1745.0 | V | 101 | 18 | 9.03 | 1 / 18 | 13.00 | 22.04 | 0.160 | 30.00 | -7.96 |
| | QPSK | 1777.5 | V | 101 | 26 | 9.15 | 1 / 18 | 13.06 | 22.21 | 0.166 | 30.00 | -7.79 |
| | 16-QAM | 1777.5 | V | 101 | 26 | 9.15 | 1 / 18 | 12.22 | 21.37 | 0.137 | 30.00 | -8.63 |
| 40 MHz | QPSK (CP-OFDM) | 1760.0 | V | 101 | 22 | 9.08 | 1 / 54 | 10.94 | 20.02 | 0.101 | 30.00 | -9.98 |
| | QPSK (Opposite Pol.) | 1760.0 | H | 148 | 169 | 9.44 | 1 / 54 | 11.07 | 20.51 | 0.113 | 30.00 | -9.49 |
| | QPSK (WCP) | 1760.0 | V | 161 | 138 | 9.08 | 1 / 108 | 9.56 | 18.64 | 0.073 | 30.00 | -11.36 |

Table 7-10. EIRP Data (NR Band n66 - Ant A)

| | | | | |
|--|---|-------------------------------|---|-----------------------------------|
| FCC ID: A3LSMS908U |  PCTEST Proud to be part of element | PART 27 MEASUREMENT REPORT |  | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | | Page 175 of 214 |

| 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] |
|-----------|----------------------|-----------------|-----------------|---------------------|----------------------------|-----------------|----------------|------------------------|--------------|--------------|------------------|-------------|
| 40 MHz | $\pi/2$ BPSK | 1730.0 | V | 139 | 342 | 9.20 | 1 / 54 | 13.98 | 23.18 | 0.208 | 30.00 | -6.82 |
| | $\pi/2$ BPSK | 1745.0 | V | 145 | 218 | 9.03 | 1 / 54 | 13.31 | 22.34 | 0.172 | 30.00 | -7.66 |
| | $\pi/2$ BPSK | 1760.0 | V | 135 | 347 | 9.08 | 1 / 161 | 13.04 | 22.12 | 0.163 | 30.00 | -7.88 |
| | QPSK | 1730.0 | V | 139 | 342 | 9.20 | 1 / 54 | 14.05 | 23.25 | 0.211 | 30.00 | -6.75 |
| | QPSK | 1745.0 | V | 145 | 218 | 9.03 | 1 / 54 | 13.38 | 22.41 | 0.174 | 30.00 | -7.59 |
| | QPSK | 1760.0 | V | 135 | 347 | 9.08 | 1 / 161 | 13.11 | 22.19 | 0.166 | 30.00 | -7.81 |
| 16-QAM | 1730.0 | V | 139 | 342 | 9.20 | 1 / 54 | 13.10 | 22.30 | 0.170 | 30.00 | -7.70 | |
| 30 MHz | $\pi/2$ BPSK | 1725.0 | V | 139 | 342 | 9.26 | 1 / 119 | 13.80 | 23.07 | 0.203 | 30.00 | -6.93 |
| | $\pi/2$ BPSK | 1745.0 | V | 145 | 218 | 9.03 | 1 / 119 | 13.40 | 22.44 | 0.175 | 30.00 | -7.56 |
| | $\pi/2$ BPSK | 1765.0 | V | 135 | 347 | 9.09 | 1 / 119 | 13.15 | 22.24 | 0.168 | 30.00 | -7.76 |
| | QPSK | 1725.0 | V | 139 | 342 | 9.26 | 1 / 119 | 14.05 | 23.32 | 0.215 | 30.00 | -6.68 |
| | QPSK | 1745.0 | V | 145 | 218 | 9.03 | 1 / 119 | 13.69 | 22.72 | 0.187 | 30.00 | -7.28 |
| | QPSK | 1765.0 | V | 135 | 347 | 9.09 | 1 / 119 | 13.36 | 22.45 | 0.176 | 30.00 | -7.55 |
| 16-QAM | 1725.0 | V | 139 | 342 | 9.26 | 1 / 119 | 13.06 | 22.32 | 0.171 | 30.00 | -7.68 | |
| 20 MHz | $\pi/2$ BPSK | 1720.0 | V | 139 | 342 | 9.33 | 1 / 79 | 13.30 | 22.63 | 0.183 | 30.00 | -7.37 |
| | $\pi/2$ BPSK | 1745.0 | V | 145 | 218 | 9.03 | 1 / 26 | 12.83 | 21.86 | 0.153 | 30.00 | -8.14 |
| | $\pi/2$ BPSK | 1770.0 | V | 135 | 347 | 9.10 | 1 / 79 | 12.42 | 21.52 | 0.142 | 30.00 | -8.48 |
| | QPSK | 1720.0 | V | 139 | 342 | 9.33 | 1 / 79 | 13.57 | 22.90 | 0.195 | 30.00 | -7.10 |
| | QPSK | 1745.0 | V | 145 | 218 | 9.03 | 1 / 26 | 13.08 | 22.12 | 0.163 | 30.00 | -7.88 |
| | QPSK | 1770.0 | V | 135 | 347 | 9.10 | 1 / 79 | 12.55 | 21.65 | 0.146 | 30.00 | -8.35 |
| 16-QAM | 1720.0 | V | 139 | 342 | 9.33 | 1 / 79 | 12.67 | 22.00 | 0.158 | 30.00 | -8.00 | |
| 15 MHz | $\pi/2$ BPSK | 1717.5 | V | 139 | 342 | 9.38 | 1 / 58 | 13.39 | 22.77 | 0.189 | 30.00 | -7.23 |
| | $\pi/2$ BPSK | 1745.0 | V | 145 | 218 | 9.03 | 1 / 58 | 12.83 | 21.87 | 0.154 | 30.00 | -8.13 |
| | $\pi/2$ BPSK | 1772.5 | V | 135 | 347 | 9.11 | 1 / 20 | 12.61 | 21.72 | 0.149 | 30.00 | -8.28 |
| | QPSK | 1717.5 | V | 139 | 342 | 9.38 | 1 / 58 | 13.47 | 22.85 | 0.193 | 30.00 | -7.15 |
| | QPSK | 1745.0 | V | 145 | 218 | 9.03 | 1 / 58 | 13.07 | 22.10 | 0.162 | 30.00 | -7.90 |
| | QPSK | 1772.5 | V | 135 | 347 | 9.11 | 1 / 20 | 12.55 | 21.67 | 0.147 | 30.00 | -8.33 |
| 16-QAM | 1717.5 | V | 139 | 342 | 9.38 | 1 / 58 | 12.35 | 21.73 | 0.149 | 30.00 | -8.27 | |
| 10 MHz | $\pi/2$ BPSK | 1715.0 | V | 139 | 342 | 9.42 | 1 / 38 | 13.04 | 22.46 | 0.176 | 30.00 | -7.54 |
| | $\pi/2$ BPSK | 1745.0 | V | 145 | 218 | 9.03 | 1 / 38 | 12.92 | 21.95 | 0.157 | 30.00 | -8.05 |
| | $\pi/2$ BPSK | 1775.0 | V | 135 | 347 | 9.13 | 1 / 13 | 12.41 | 21.55 | 0.143 | 30.00 | -8.45 |
| | QPSK | 1715.0 | V | 139 | 342 | 9.42 | 1 / 38 | 13.26 | 22.69 | 0.186 | 30.00 | -7.31 |
| | QPSK | 1745.0 | V | 145 | 218 | 9.03 | 1 / 38 | 13.26 | 22.30 | 0.170 | 30.00 | -7.70 |
| | QPSK | 1775.0 | V | 135 | 347 | 9.13 | 1 / 13 | 12.38 | 21.51 | 0.142 | 30.00 | -8.49 |
| 16-QAM | 1715.0 | V | 139 | 342 | 9.42 | 1 / 38 | 11.98 | 21.40 | 0.138 | 30.00 | -8.60 | |
| 5 MHz | $\pi/2$ BPSK | 1712.5 | V | 139 | 342 | 9.47 | 1 / 18 | 12.97 | 22.44 | 0.175 | 30.00 | -7.56 |
| | $\pi/2$ BPSK | 1745.0 | V | 145 | 218 | 9.03 | 1 / 18 | 12.70 | 21.73 | 0.149 | 30.00 | -8.27 |
| | $\pi/2$ BPSK | 1777.5 | V | 135 | 347 | 9.15 | 1 / 12 | 12.27 | 21.41 | 0.139 | 30.00 | -8.59 |
| | QPSK | 1712.5 | V | 139 | 342 | 9.47 | 1 / 18 | 13.11 | 22.58 | 0.181 | 30.00 | -7.42 |
| | QPSK | 1745.0 | V | 145 | 218 | 9.03 | 1 / 18 | 12.91 | 21.95 | 0.157 | 30.00 | -8.05 |
| | QPSK | 1777.5 | V | 135 | 347 | 9.15 | 1 / 12 | 12.54 | 21.68 | 0.147 | 30.00 | -8.32 |
| 16-QAM | 1712.5 | V | 139 | 342 | 9.47 | 1 / 18 | 12.03 | 21.50 | 0.141 | 30.00 | -8.50 | |
| 40 MHz | QPSK (CP-OFDM) | 1730.0 | V | 135 | 341 | 9.20 | 1 / 54 | 12.12 | 21.32 | 0.135 | 30.00 | -8.68 |
| | QPSK (Opposite Pol.) | 1730.0 | H | 136 | 8 | 9.48 | 1 / 108 | 13.65 | 23.13 | 0.206 | 30.00 | -6.87 |
| | QPSK (WCP) | 1730.0 | V | 122 | 333 | 9.20 | 1 / 108 | 8.59 | 17.79 | 0.060 | 30.00 | -12.21 |

Table 7-11. EIRP Data (NR Band n66 - Ant J)

| | | | |
|--|--|---|-----------------------------------|
| FCC ID: A3LSMS908U |  PART 27 MEASUREMENT REPORT |  | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | Page 176 of 214 |

7.8 Radiated Spurious Emissions Measurements

Test Overview

Radiated spurious emissions measurements are performed using the substitution method described in ANSI/TIA-603-E-2016 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using horizontally and vertically polarized tuned dipole 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

KDB 971168 D01 v03r01 - Section 5.8

ANSI/TIA-603-E-2016 - Section 2.2.12

Test Settings

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

| | | | | |
|--|--|-------------------------------|---|-----------------------------------|
| FCC ID: A3LSMS908U |  PCTEST® Proud to be part of element | PART 27 MEASUREMENT REPORT |  | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | | Page 177 of 214 |

Test Setup

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

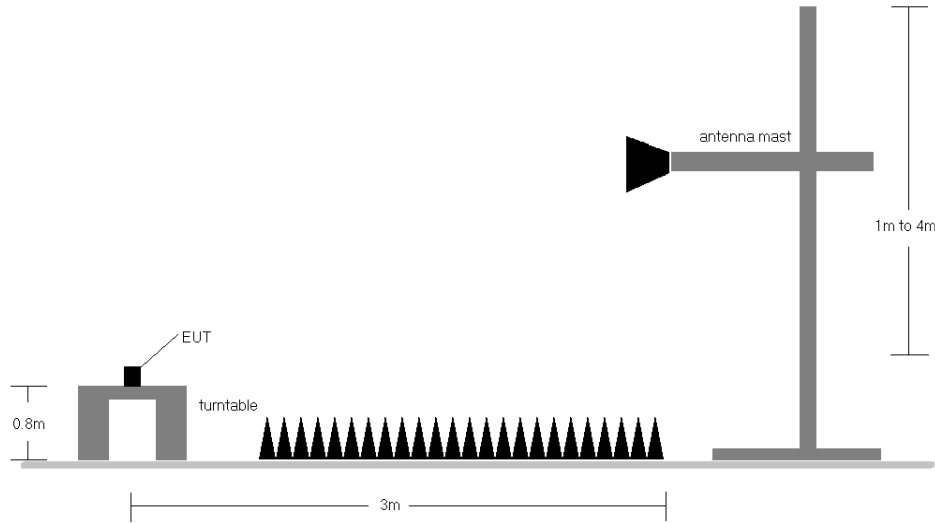


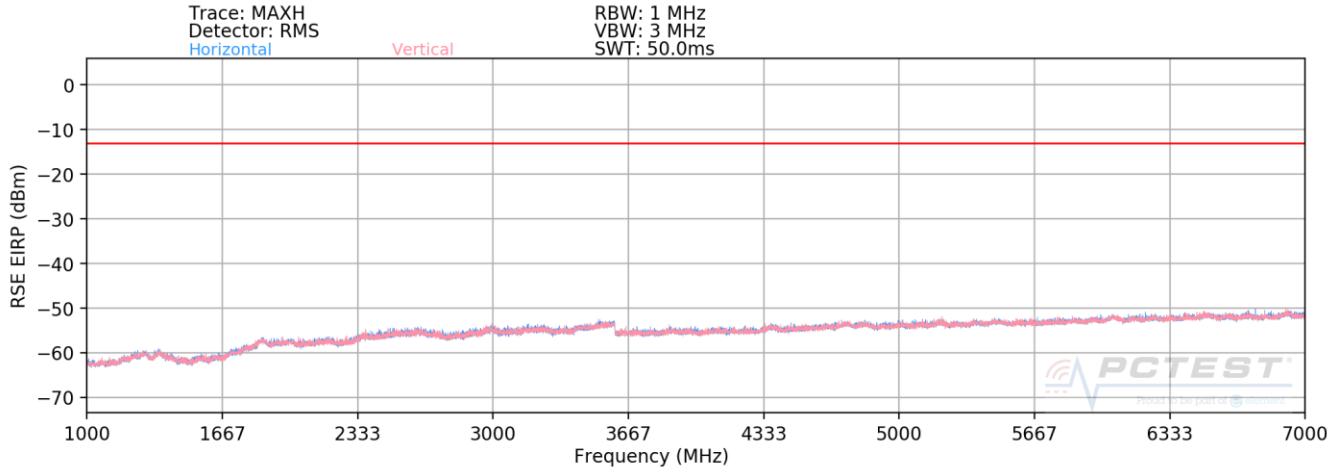
Figure 7-8. Test Instrument & Measurement Setup

Test Notes

- 1) Field strengths are calculated using the Measurement quantity conversions in KDB 971168 Section 5.8.4.
 - a) $E(\text{dB}\mu\text{V}/\text{m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - b) $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V}/\text{m}) + 20\log D - 104.8$; 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 emissions shown in this section are measured while operating in EN-DC mode with Sub 6GHz NR carrier as well as an LTE carrier (anchor). Spurious emissions from the NR carrier device, is subject to the rules under which the NR carrier operates. Spurious emission caused by the LTE carrier must meet the requirements of the rules under which the LTE carrier operates.
- 9) Spurious emissions measurements are included in this section to address compliance of the NR FR1 ULCA capability. The EUT was set to transmit at the widest bandwidth and on the middle channel of each band.

| | | | | |
|--|--|-----------------------------------|--|-----------------------------------|
| FCC ID: A3LSMS908U | PCTEST Proud to be part of element | PART 27 MEASUREMENT REPORT | | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | | Page 178 of 214 |

LTE Band 71



Plot 7-285. Radiated Spurious Plot (LTE Band 71)

| | |
|------------------|--------|
| Bandwidth (MHz): | 20 |
| Frequency (MHz): | 673 |
| RB / Offset: | 1 / 50 |



| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 1346.00 | H | - | - | -76.28 | -1.31 | 29.41 | -65.84 | -13.00 | -52.84 |
| 2019.00 | H | 121 | 341 | -74.22 | 1.06 | 33.84 | -61.41 | -13.00 | -48.41 |
| 2692.00 | H | - | - | -77.08 | 2.46 | 32.38 | -62.87 | -13.00 | -49.87 |
| 3365.00 | H | - | - | -77.38 | 3.17 | 32.79 | -62.47 | -13.00 | -49.47 |
| 4038.00 | H | - | - | -78.42 | 4.11 | 32.69 | -62.57 | -13.00 | -49.57 |

Table 7-12. Radiated Spurious Data (LTE Band 71 - Low Channel)

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

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 1361.00 | H | - | - | -76.29 | -1.30 | 29.41 | -65.85 | -13.00 | -52.85 |
| 2041.50 | H | 171 | 338 | -74.34 | 0.77 | 33.43 | -61.83 | -13.00 | -48.83 |
| 2722.00 | H | - | - | -77.12 | 2.35 | 32.23 | -63.03 | -13.00 | -50.03 |
| 3402.50 | H | - | - | -77.38 | 3.01 | 32.63 | -62.63 | -13.00 | -49.63 |
| 4083.00 | H | - | - | -78.32 | 4.51 | 33.19 | -62.06 | -13.00 | -49.06 |



Table 7-13. Radiated Spurious Data (LTE Band 71 - Mid Channel)

| | | | |
|--|--|---|-----------------------------------|
| FCC ID: A3LSMS908U |  PART 27 MEASUREMENT REPORT |  | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | Page 179 of 214 |

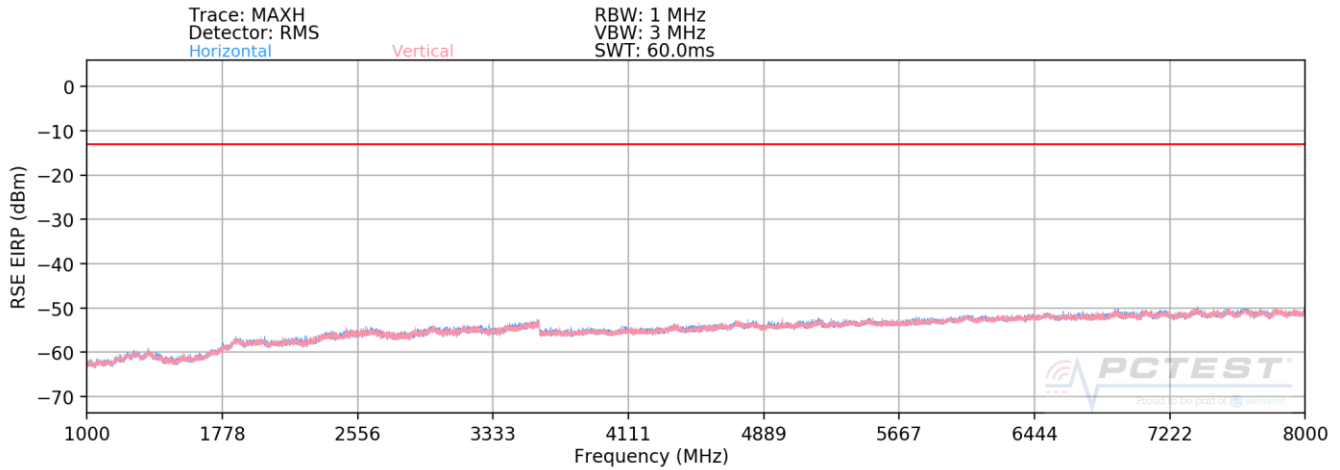
| | |
|------------------|--------|
| Bandwidth (MHz): | 20 |
| Frequency (MHz): | 688 |
| RB / Offset: | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 1376.00 | H | - | - | -76.31 | -1.63 | 29.06 | -66.20 | -13.00 | -53.20 |
| 2064.00 | H | 128 | 358 | -73.73 | 0.75 | 34.02 | -61.23 | -13.00 | -48.23 |
| 2752.00 | H | - | - | -76.98 | 1.94 | 31.96 | -63.30 | -13.00 | -50.30 |
| 3440.00 | H | - | - | -77.25 | 3.05 | 32.80 | -62.46 | -13.00 | -49.46 |
| 4128.00 | H | - | - | -77.71 | 4.29 | 33.58 | -61.68 | -13.00 | -48.68 |

Table 7-14. Radiated Spurious Data (LTE Band 71 - High Channel)

| | | |
|--|---|-----------------------------------|
| FCC ID: A3LSMS908U |  PART 27 MEASUREMENT REPORT  | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset |
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LTE Band 12



Plot 7-286. Radiated Spurious Plot (LTE Band 12)

| | |
|------------------|--------|
| Bandwidth (MHz): | 10 |
| Frequency (MHz): | 704 |
| RB / Offset: | 1 / 25 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 1408.00 | H | 131 | 147 | -75.76 | -2.31 | 28.93 | -66.32 | -13.00 | -53.32 |
| 2112.00 | H | 197 | 128 | -75.25 | 0.99 | 32.74 | -62.52 | -13.00 | -49.52 |
| 2816.00 | H | - | - | -77.12 | 2.24 | 32.12 | -63.14 | -13.00 | -50.14 |
| 3520.00 | H | - | - | -77.47 | 3.67 | 33.20 | -62.06 | -13.00 | -49.06 |
| 4224.00 | H | - | - | -77.50 | 4.07 | 33.57 | -61.69 | -13.00 | -48.69 |

Table 7-15. Radiated Spurious Data (LTE Band 12 - Low Channel)

| | |
|------------------|--------|
| Bandwidth (MHz): | 10 |
| Frequency (MHz): | 707.5 |
| RB / Offset: | 1 / 25 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 1415.00 | H | - | - | -76.29 | -2.37 | 28.34 | -66.91 | -13.00 | -53.91 |
| 2122.50 | H | 150 | 142 | -75.41 | 1.04 | 32.63 | -62.63 | -13.00 | -49.63 |
| 2830.00 | H | - | - | -77.16 | 2.14 | 31.98 | -63.27 | -13.00 | -50.27 |
| 3537.50 | H | - | - | -77.63 | 3.77 | 33.14 | -62.12 | -13.00 | -49.12 |
| 4245.00 | H | - | - | -77.71 | 4.21 | 33.50 | -61.76 | -13.00 | -48.76 |



Table 7-16. Radiated Spurious Data (LTE Band 12 - Mid Channel)

| | | | | |
|--|--------------------------------------|-----------------------------------|--|-----------------------------------|
| FCC ID: A3LSMS908U | | PART 27 MEASUREMENT REPORT | | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | | Page 181 of 214 |

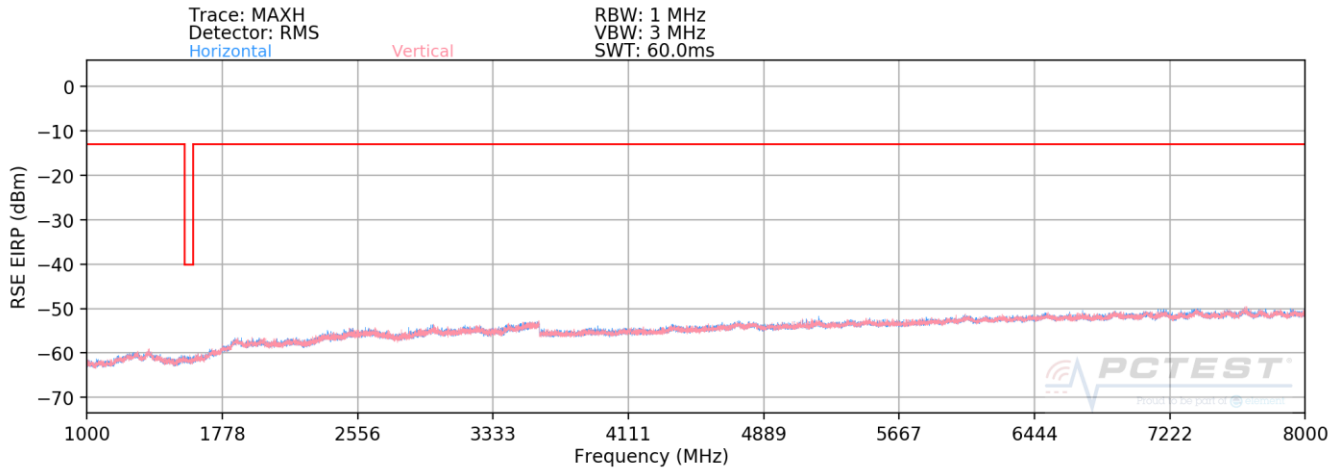
| | |
|------------------|--------|
| Bandwidth (MHz): | 10 |
| Frequency (MHz): | 711 |
| RB / Offset: | 1 / 25 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 1422.00 | H | 144 | 139 | -74.61 | -2.45 | 29.94 | -65.32 | -13.00 | -52.32 |
| 2133.00 | H | 141 | 128 | -75.85 | 1.09 | 32.24 | -63.01 | -13.00 | -50.01 |
| 2844.00 | H | - | - | -77.29 | 2.20 | 31.91 | -63.35 | -13.00 | -50.35 |
| 3555.00 | H | - | - | -77.58 | 3.70 | 33.12 | -62.14 | -13.00 | -49.14 |
| 4266.00 | H | - | - | -78.22 | 4.36 | 33.14 | -62.12 | -13.00 | -49.12 |

Table 7-17. Radiated Spurious Data (LTE Band 12 - High Channel)

| | | | | |
|--|--|-----------------------------------|---|-----------------------------------|
| FCC ID: A3LSMS908U |  PCTEST[®] Proud to be part of element | PART 27 MEASUREMENT REPORT |  | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | | Page 182 of 214 |

LTE Band 13





Plot 7-287. Radiated Spurious Plot (LTE Band 13)

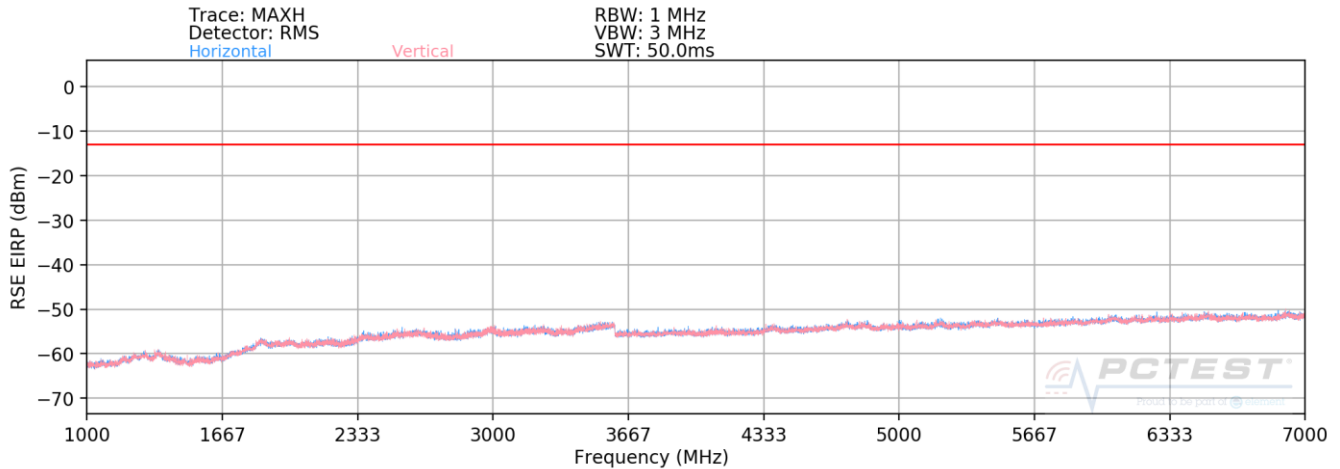
| | |
|------------------|--------|
| Bandwidth (MHz): | 10 |
| Frequency (MHz): | 782 |
| RB / Offset: | 1 / 25 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 1564.00 | H | - | - | -76.81 | -2.53 | 27.66 | -67.60 | -40.00 | -27.60 |
| 2346.00 | H | - | - | -77.19 | 1.88 | 31.69 | -63.57 | -13.00 | -50.57 |
| 3128.00 | H | - | - | -77.61 | 3.14 | 32.53 | -62.73 | -13.00 | -49.73 |
| 3910.00 | H | - | - | -78.65 | 4.29 | 32.64 | -62.61 | -13.00 | -49.61 |

Table 7-18. Radiated Spurious Data (LTE Band 13 - Mid Channel)

| | | | | |
|--|---|-----------------------------------|---|-----------------------------------|
| FCC ID: A3LSMS908U |  | PART 27 MEASUREMENT REPORT |  | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | | Page 183 of 214 |

NR Band n71



Plot 7-288. Radiated Spurious Plot (NR Band n71)

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

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 1346.00 | H | 341 | 347 | -74.97 | -0.30 | 31.73 | -63.53 | -13.00 | -50.53 |
| 2019.00 | H | - | - | -77.22 | 3.39 | 33.17 | -62.09 | -13.00 | -49.09 |
| 2692.00 | H | - | - | -77.89 | 5.54 | 34.65 | -60.61 | -13.00 | -47.61 |

Table 7-19. Radiated Spurious Data (NR Band n71 - Low Channel)

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

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 1361.00 | H | - | - | -77.49 | -0.21 | 29.30 | -65.96 | -13.00 | -52.96 |
| 2041.50 | H | - | - | -77.25 | 3.27 | 33.02 | -62.24 | -13.00 | -49.24 |
| 2722.00 | H | - | - | -77.11 | 5.38 | 35.27 | -59.99 | -13.00 | -46.99 |



Table 7-20. Radiated Spurious Data (NR Band n71 - Mid Channel)

| | | | | |
|--|--------------------------------------|-----------------------------------|--|-----------------------------------|
| FCC ID: A3LSMS908U | | PART 27 MEASUREMENT REPORT | | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | | Page 184 of 214 |

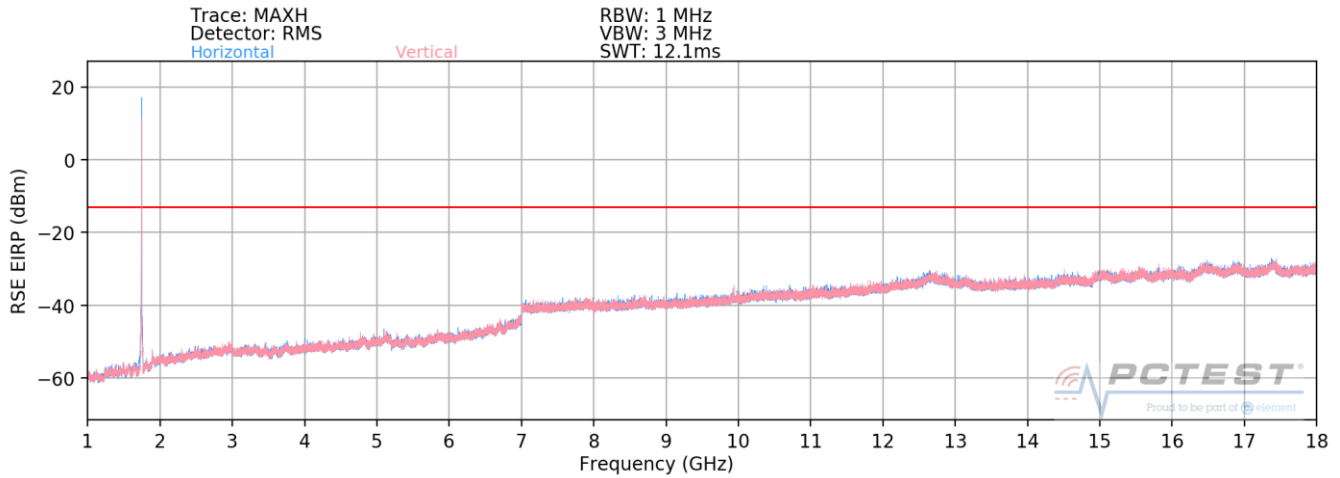
| | |
|-------------------------|-------------|
| Bandwidth (MHz): | 20 |
| Frequency (MHz): | 688 |
| RB / Offset: | 1 / 53 |
| Mode: | Stand Alone |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 1376.00 | H | - | - | -76.96 | -0.23 | 29.81 | -65.45 | -13.00 | -52.45 |
| 2064.00 | H | - | - | -77.40 | 3.13 | 32.73 | -62.53 | -13.00 | -49.53 |
| 2752.00 | H | - | - | -78.23 | 5.17 | 33.94 | -61.32 | -13.00 | -48.32 |

Table 7-21. Radiated Spurious Data (NR Band n71 - High Channel)

| | | | | |
|---|--|--------------------------------------|---|--|
| FCC ID: A3LSMS908U |  PCTEST Proud to be part of element | PART 27 MEASUREMENT REPORT |  | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | | Page 185 of 214 |

NR Band n71 - B66



Plot 7-289. Radiated Spurious Plot (NR Band n71 - B66)

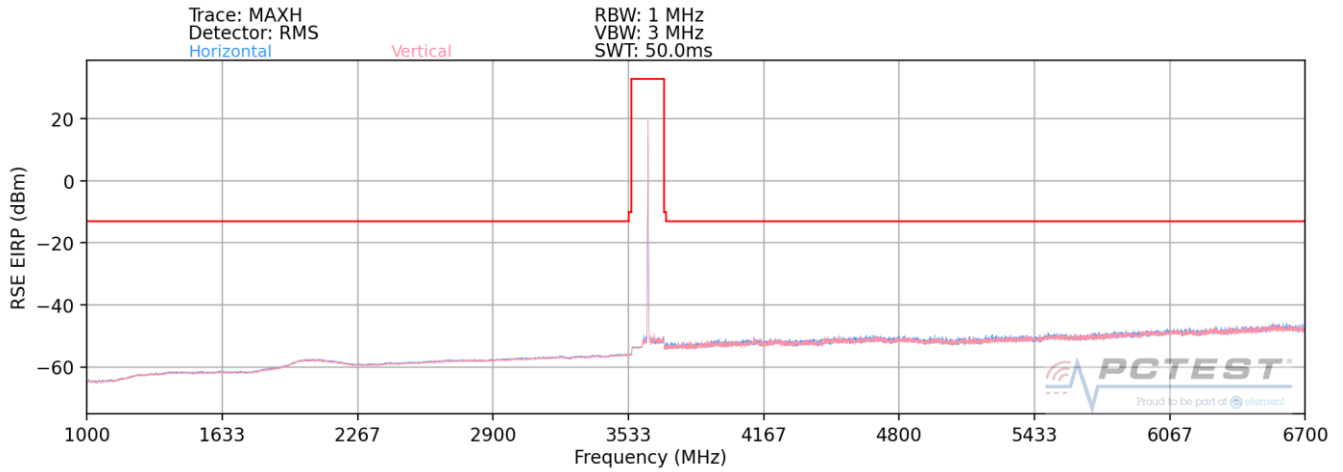
| | |
|------------------|--------------|
| Bandwidth (MHz): | 20 / 20 |
| Frequency (MHz): | 680.5 / 1745 |
| RB / Offset: | 1/53 / 1/50 |
| Mode: | EN-DC |
| Anchor Band: | LTE Band 66 |

| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 1448.00 | V | - | - | -67.02 | 13.41 | 53.39 | -41.87 | -13.00 | -28.87 |
| 2513.00 | V | - | - | -68.17 | 12.98 | 51.81 | -43.44 | -13.00 | -30.44 |
| 2809.50 | V | - | - | -68.33 | 13.49 | 52.16 | -43.10 | -13.00 | -30.10 |
| 3577.50 | V | - | - | -68.92 | 15.52 | 53.60 | -41.66 | -13.00 | -28.66 |
| 3874.00 | V | - | - | -69.60 | 15.68 | 53.08 | -42.18 | -13.00 | -29.18 |
| 4938.50 | V | - | - | -70.53 | 17.12 | 53.59 | -41.67 | -13.00 | -28.67 |
| 6003.00 | V | - | - | -70.88 | 19.95 | 56.07 | -39.18 | -13.00 | -26.18 |

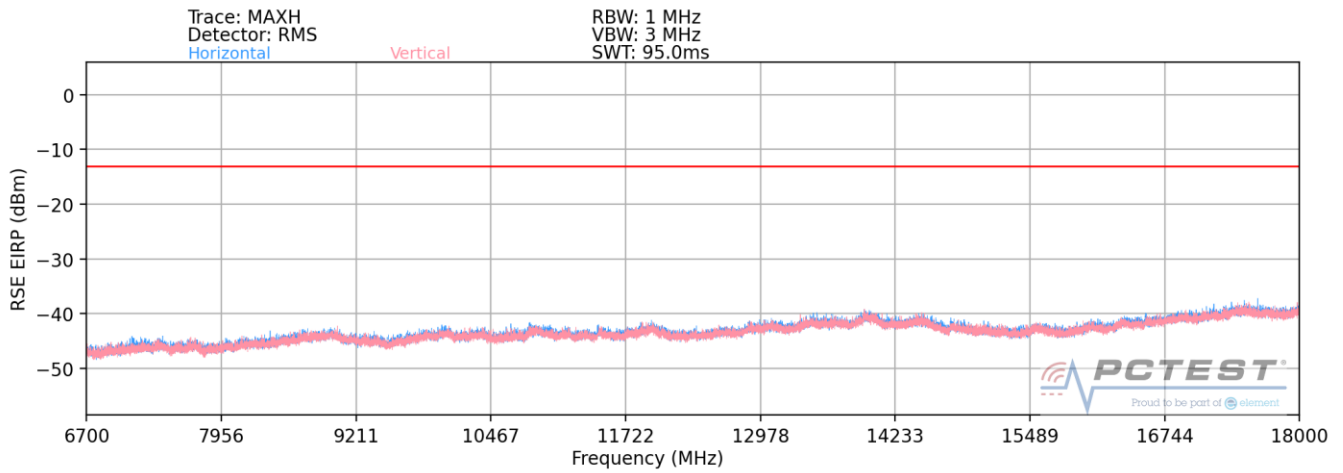
Table 7-22. Radiated Spurious Data (NR Band n71 - B66)

| | | | | |
|--|--|-----------------------------------|--|-----------------------------------|
| FCC ID: A3LSMS908U | PCTEST Proud to be part of element | PART 27 MEASUREMENT REPORT | | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | | Page 186 of 214 |

NR Band n71 - B48



Plot 7-290. Radiated Spurious Plot (NR Band n71 - B48)



Plot 7-291. Radiated Spurious Plot (NR Band n71 - B48)

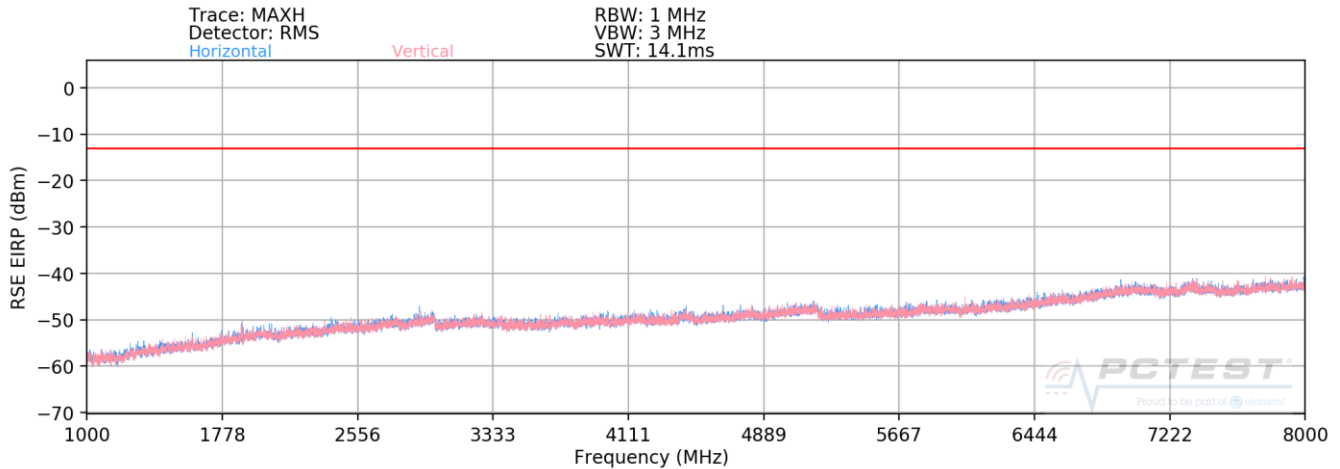
| | |
|------------------|--------------|
| Case: | 0341M |
| Bandwidth (MHz): | 20 / 20 |
| Frequency (MHz): | 680.5 / 3625 |
| RB / Offset: | 1/53 & 1/50 |
| Mode: | EN-DC |
| Anchor Band: | LTE Band 48 |

| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 2264.00 | V | - | - | -76.83 | 9.08 | 39.25 | -56.01 | -13.00 | -43.01 |
| 4305.50 | V | 384 | 58 | -76.89 | 12.79 | 42.90 | -52.35 | -13.00 | -39.35 |
| 6569.50 | V | - | - | -78.54 | 16.70 | 45.16 | -50.09 | -13.00 | -37.09 |
| 7930.50 | V | - | - | -79.44 | 17.69 | 45.25 | -50.00 | -13.00 | -37.00 |

Table 7-23. Radiated Spurious Data (NR Band n71 - B48)

| | | | | |
|--|---------------------------------------|-------------------------------|--|-----------------------------------|
| FCC ID: A3LSMS908U | PCTEST Proud to be part of element | PART 27 MEASUREMENT REPORT | | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | | Page 187 of 214 |

NR Band n12



Plot 7-292. Radiated Spurious Plot (NR Band n12)

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

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 1413.00 | H | 278 | 143 | -76.30 | -0.64 | 30.06 | -65.20 | -13.00 | -52.20 |
| 2119.50 | H | - | - | -77.11 | 3.89 | 33.78 | -61.48 | -13.00 | -48.48 |
| 2826.00 | H | - | - | -77.96 | 5.72 | 34.76 | -60.49 | -13.00 | -47.49 |
| 3532.50 | H | - | - | -78.18 | 7.20 | 36.02 | -59.24 | -13.00 | -46.24 |

Table 7-24. Radiated Spurious Data (NR Band n12 - Low Channel)

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

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 1415.00 | H | - | - | -76.50 | -0.62 | 29.88 | -65.38 | -13.00 | -52.38 |
| 2122.50 | H | - | - | -77.14 | 3.88 | 33.74 | -61.52 | -13.00 | -48.52 |
| 2830.00 | H | - | - | -78.46 | 5.67 | 34.21 | -61.04 | -13.00 | -48.04 |



Table 7-25. Radiated Spurious Data (NR Band n12 - Mid Channel)

| | | | | |
|--|--------------------------------------|-----------------------------------|--|-----------------------------------|
| FCC ID: A3LSMS908U | | PART 27 MEASUREMENT REPORT | | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | | Page 188 of 214 |

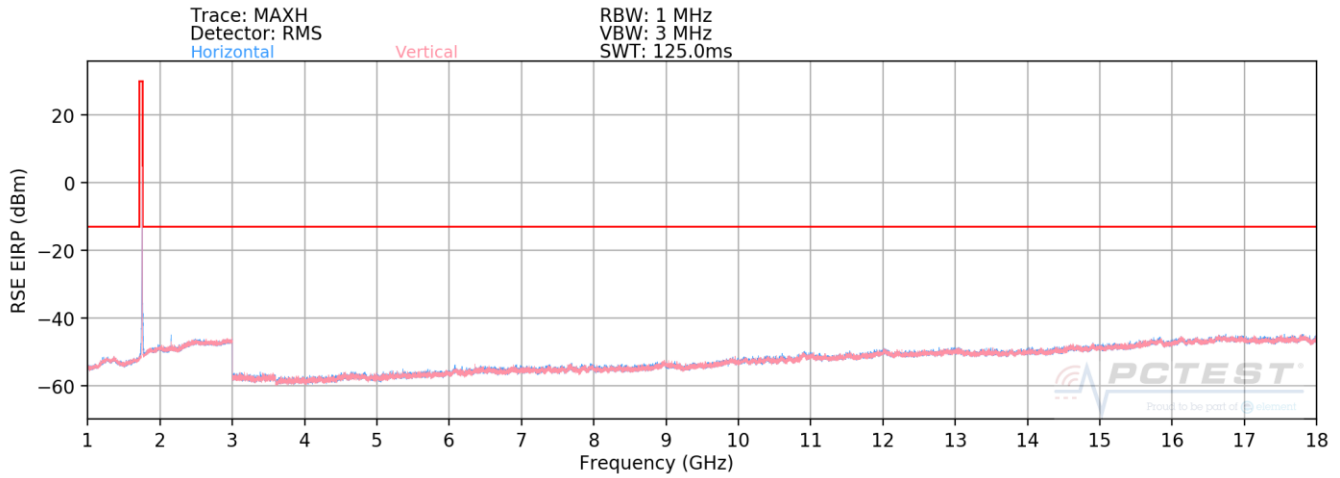
| | |
|-------------------------|-------------|
| Bandwidth (MHz): | 15 |
| Frequency (MHz): | 708.5 |
| RB / Offset: | 1 / 39 |
| Mode: | Stand Alone |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 1417.00 | H | - | - | -76.79 | -0.59 | 29.62 | -65.63 | -13.00 | -52.63 |
| 2125.50 | H | - | - | -77.00 | 3.87 | 33.87 | -61.39 | -13.00 | -48.39 |
| 2834.00 | H | - | - | -78.12 | 5.63 | 34.51 | -60.75 | -13.00 | -47.75 |

Table 7-26. Radiated Spurious Data (NR Band n12 - High Channel)

| | | |
|---|---|--|
| FCC ID: A3LSMS908U |  PART 27 MEASUREMENT REPORT  | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset |
| © 2021 PCTEST | | V2.0 4/5/2021 |

WCDMA AWS



Plot 7-293. Radiated Spurious Plot (WCDMA AWS)

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



| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 3424.80 | H | - | - | -81.69 | 4.11 | 29.42 | -65.83 | -13.00 | -52.83 |
| 5137.20 | H | - | - | -83.04 | 5.96 | 29.92 | -65.34 | -13.00 | -52.34 |
| 6849.60 | H | - | - | -84.02 | 9.03 | 32.01 | -63.25 | -13.00 | -50.25 |
| 8562.00 | H | - | - | -84.86 | 9.14 | 31.28 | -63.98 | -13.00 | -50.98 |
| 10274.40 | H | - | - | -84.84 | 11.56 | 33.72 | -61.54 | -13.00 | -48.54 |

7-27. Radiated Spurious Data (WCDMA AWS - Low Channel)

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

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 3465.20 | H | - | - | -81.69 | 3.65 | 28.96 | -66.29 | -13.00 | -53.29 |
| 5197.80 | H | - | - | -81.42 | 6.66 | 32.24 | -63.02 | -13.00 | -50.02 |
| 6930.40 | H | - | - | -83.33 | 8.21 | 31.88 | -63.38 | -13.00 | -50.38 |
| 8663.00 | H | - | - | -84.78 | 9.60 | 31.82 | -63.44 | -13.00 | -50.44 |
| 10395.60 | H | - | - | -85.51 | 12.55 | 34.04 | -61.22 | -13.00 | -48.22 |




Table 7-28. Radiated Spurious Data (WCDMA AWS - Mid Channel)

| | | | | |
|--|---|-------------------------------|---|-----------------------------------|
| FCC ID: A3LSMS908U |  | PART 27 MEASUREMENT REPORT |  | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | Page 190 of 214 | |

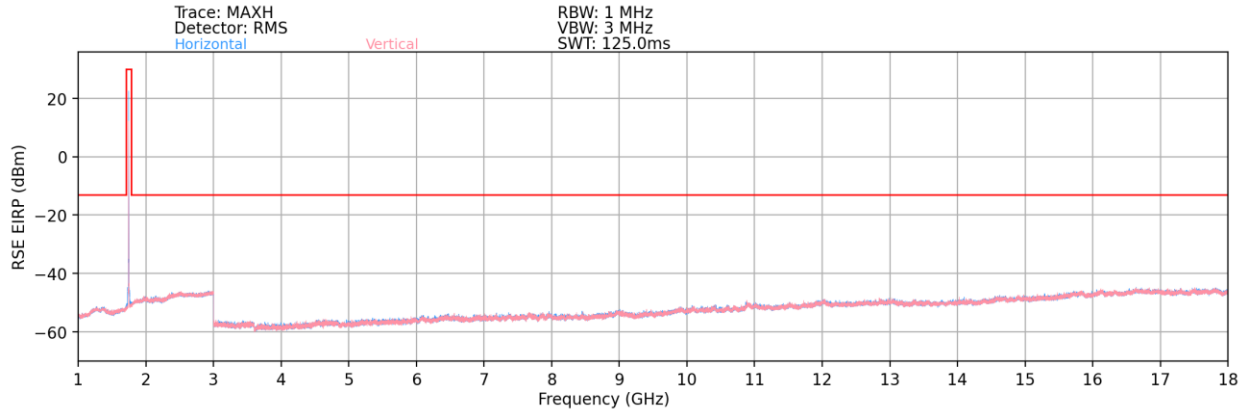
| | |
|-------------------------|-----------|
| Mode: | WCDMA RMC |
| Channel: | 1513 |
| Frequency (MHz): | 1752.6 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|------------------------------------|-------------|-------------|
| 3505.20 | H | - | - | -81.32 | 3.82 | 29.50 | -65.76 | -13.00 | -52.76 |
| 5257.80 | H | - | - | -82.63 | 6.00 | 30.37 | -64.89 | -13.00 | -51.89 |
| 7010.40 | H | - | - | -82.65 | 8.00 | 32.35 | -62.91 | -13.00 | -49.91 |
| 8763.00 | H | - | - | -84.20 | 9.30 | 32.10 | -63.16 | -13.00 | -50.16 |
| 10515.60 | H | - | - | -85.39 | 12.02 | 33.63 | -61.63 | -13.00 | -48.63 |

Table 7-29. Radiated Spurious Data (WCDMA AWS - High Channel)

| | | | | |
|---|--|--------------------------------------|---|--|
| FCC ID: A3LSMS908U |  PCTEST[®] Proud to be part of  element | PART 27 MEASUREMENT REPORT |  | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | Page 191 of 214 | |

LTE Band 66/4



Plot 7-294. Radiated Spurious Plot (LTE Band 66/4)

| | |
|------------------|--------|
| Bandwidth (MHz): | 20 |
| Frequency (MHz): | 1720 |
| RB / Offset: | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 3440.00 | H | - | - | -77.58 | 4.00 | 33.42 | -61.83 | -13.00 | -48.83 |
| 5160.00 | H | - | - | -78.87 | 6.13 | 34.26 | -61.00 | -13.00 | -48.00 |
| 6880.00 | H | - | - | -79.74 | 9.27 | 36.53 | -58.72 | -13.00 | -45.72 |
| 8600.00 | H | - | - | -80.51 | 9.23 | 35.72 | -59.54 | -13.00 | -46.54 |

Table 7-30. Radiated Spurious Data (LTE Band 66/4 - Low Channel)

| | |
|------------------|--------|
| Bandwidth (MHz): | 20 |
| Frequency (MHz): | 1745 |
| RB / Offset: | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 3490.00 | H | - | - | -77.34 | 3.69 | 33.35 | -61.91 | -13.00 | -48.91 |
| 5235.00 | H | - | - | -78.57 | 6.14 | 34.57 | -60.69 | -13.00 | -47.69 |
| 6980.00 | H | - | - | -78.94 | 8.20 | 36.26 | -59.00 | -13.00 | -46.00 |
| 8725.00 | H | - | - | -79.75 | 8.96 | 36.21 | -59.04 | -13.00 | -46.04 |

Table 7-31. Radiated Spurious Data (LTE Band 66/4 - Mid Channel)

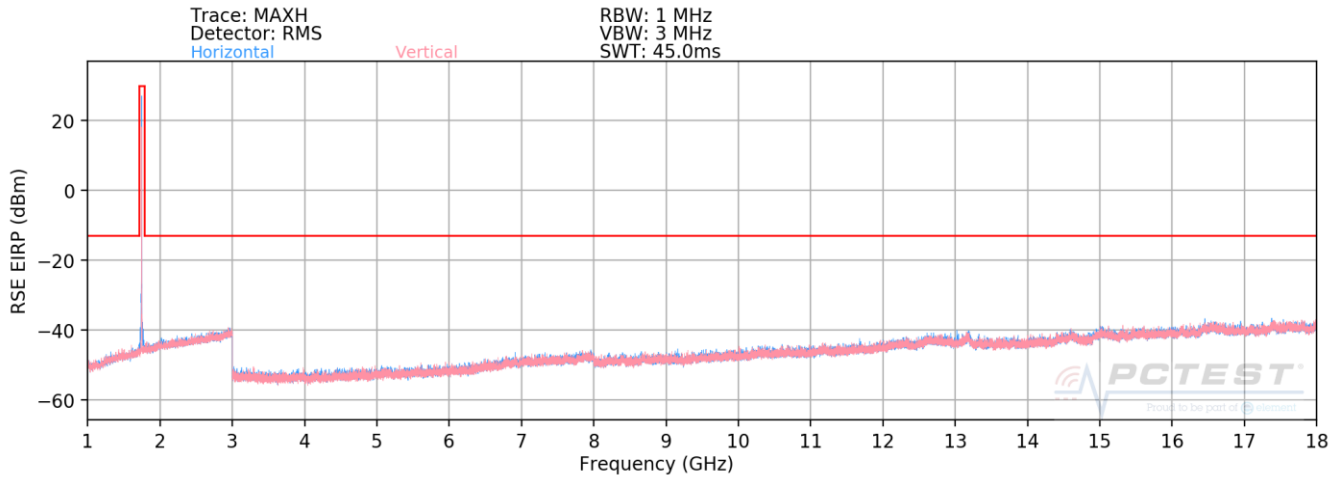
| | |
|------------------|--------|
| Bandwidth (MHz): | 20 |
| Frequency (MHz): | 1770 |
| RB / Offset: | 1 / 50 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 3540.00 | H | - | - | -76.97 | 3.67 | 33.70 | -61.56 | -13.00 | -48.56 |
| 5310.00 | H | - | - | -78.62 | 6.30 | 34.68 | -60.58 | -13.00 | -47.58 |
| 7080.00 | H | - | - | -78.86 | 8.39 | 36.53 | -58.72 | -13.00 | -45.72 |
| 8850.00 | H | - | - | -79.42 | 9.54 | 37.12 | -58.13 | -13.00 | -45.13 |

Table 7-32. Radiated Spurious Data (LTE Band 66/4 - High Channel)

| | | | | |
|--|--|-----------------------------------|-----------------|-----------------------------------|
| FCC ID: A3LSMS908U | PCTEST Proud to be part of element | PART 27 MEASUREMENT REPORT | SAMSUNG | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1-A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | Page 192 of 214 | |

NR Band n66 - Ant A



Plot 7-295. Radiated Spurious Plot (NR Band n66 - Ant A)

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



| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 3460.00 | H | - | - | -79.18 | 7.07 | 34.89 | -60.36 | -13.00 | -47.36 |
| 5190.00 | H | - | - | -79.53 | 10.29 | 37.76 | -57.50 | -13.00 | -44.50 |
| 6920.00 | H | - | - | -80.41 | 13.65 | 40.24 | -55.01 | -13.00 | -42.01 |

Table 7-33. Radiated Spurious Data (NR Band n66 - Low Channel - Ant A)

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

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 3490.00 | H | - | - | -78.80 | 7.09 | 35.29 | -59.97 | -13.00 | -46.97 |
| 5235.00 | H | - | - | -79.24 | 10.20 | 37.96 | -57.30 | -13.00 | -44.30 |
| 6980.00 | H | - | - | -79.81 | 14.41 | 41.60 | -53.66 | -13.00 | -40.66 |




Table 7-34. Radiated Spurious Data (NR Band n66 - Mid Channel - Ant A)

| | | | |
|--|--|---|-----------------------------------|
| FCC ID: A3LSMS908U |  PART 27 MEASUREMENT REPORT |  | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | Page 193 of 214 |

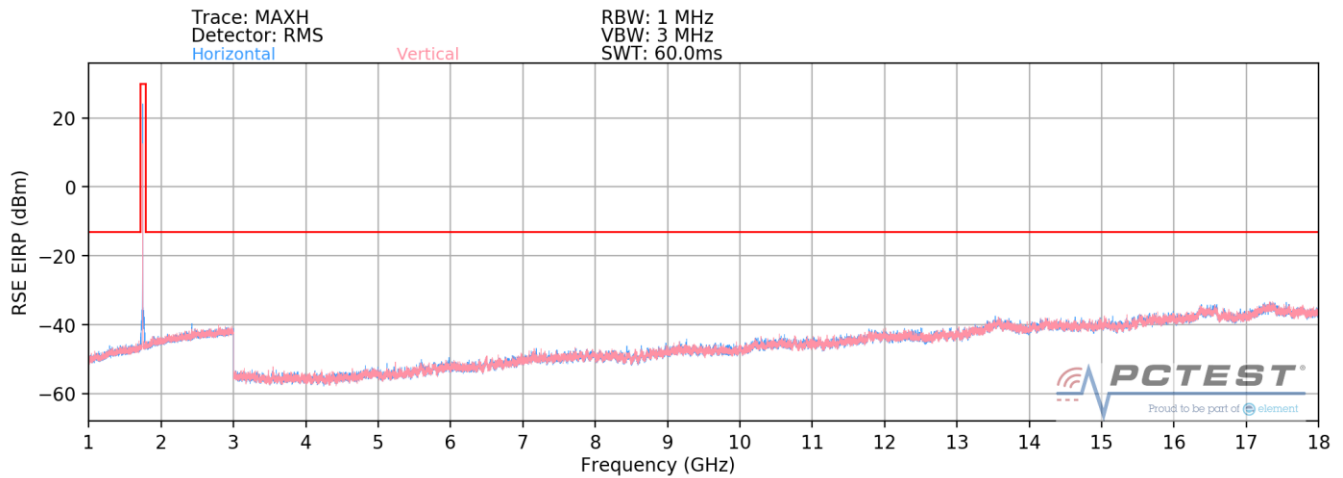
| | |
|-------------------------|-------------|
| Bandwidth (MHz): | 40 |
| Frequency (MHz): | 1760 |
| RB / Offset: | 1 / 108 |
| Mode: | Stand Alone |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 3520.00 | H | - | - | -78.03 | 7.41 | 36.38 | -58.88 | -13.00 | -45.88 |
| 5280.00 | H | - | - | -78.94 | 10.49 | 38.55 | -56.71 | -13.00 | -43.71 |
| 7040.00 | H | - | - | -79.33 | 14.35 | 42.02 | -53.23 | -13.00 | -40.23 |

Table 7-35. Radiated Spurious Data (NR Band n66 - High Channel - Ant A)

| | | | | |
|---|--|--------------------------------------|---|--|
| FCC ID: A3LSMS908U |  PCTEST[®] Proud to be part of  element | PART 27 MEASUREMENT REPORT |  | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | | Page 194 of 214 |

NR Band n66(Ant A) - B12



Plot 7-296. Radiated Spurious Plot (NR Band n66(Ant A) - B12)

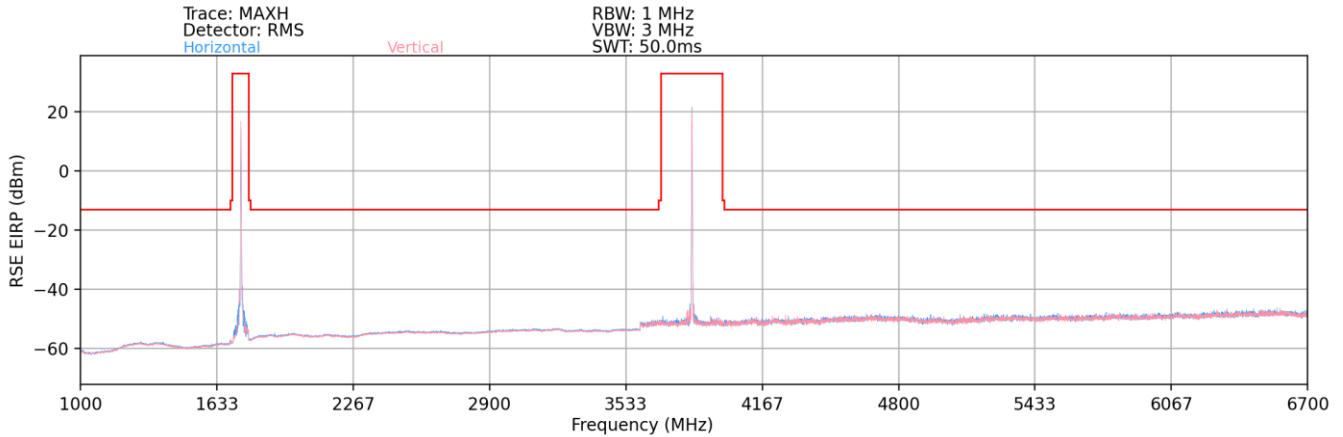
| | |
|------------------|--------------|
| Bandwidth (MHz): | 40 / 10 |
| Frequency (MHz): | 745 / 707.5 |
| RB / Offset: | 1/108 / 1/25 |
| Mode: | EN-DC |
| Anchor Band: | LTE Band 12 |

| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 1367.00 | V | - | - | -68.39 | 10.45 | 49.06 | -46.20 | -13.00 | -33.20 |
| 2405.00 | V | - | - | -70.33 | 14.21 | 50.88 | -44.38 | -13.00 | -31.38 |
| 2782.00 | V | - | - | -70.86 | 15.64 | 51.78 | -43.47 | -13.00 | -30.47 |
| 3442.50 | V | - | - | -71.07 | 17.13 | 53.06 | -42.20 | -13.00 | -29.20 |
| 3820.00 | V | - | - | -72.29 | 17.85 | 52.56 | -42.70 | -13.00 | -29.70 |
| 4857.00 | V | - | - | -72.39 | 19.18 | 53.79 | -41.47 | -13.00 | -28.47 |
| 5895.00 | V | - | - | -73.05 | 22.23 | 56.18 | -39.08 | -13.00 | -26.08 |

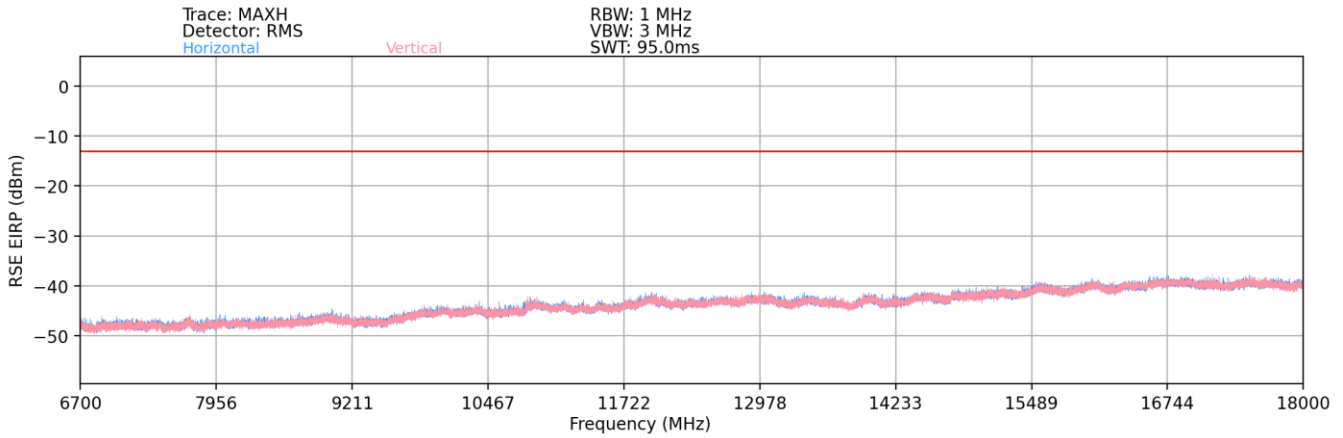
Table 7-36. Radiated Spurious Data (NR Band n66(Ant A) - B12)

| | | | | |
|--|--------------------------------------|-------------------------------|--|-----------------------------------|
| FCC ID: A3LSMS908U | | PART 27 MEASUREMENT REPORT | | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | | Page 195 of 214 |

NR FR1 ULCA: NR n66 – n77



Plot 7-297. Radiated Spurious Plot (NR Bands n66 – n77)



Plot 7-298. Radiated Spurious Plot (NR Bands n66 – n77)

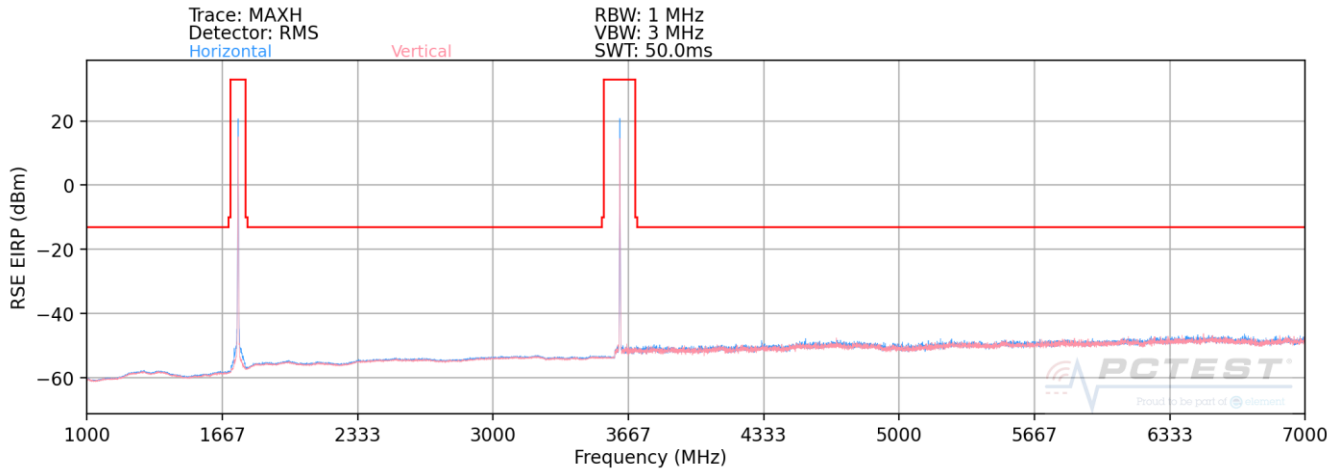
| | |
|------------------|-------------------|
| Case: | n66 & n77 |
| Bandwidth (MHz): | 40MHz & 100MHz |
| Frequency (MHz): | 1745MHz & 3840MHz |
| RB / Offset: | 1 / 108 & 1/136 |
| Mode: | Interband ULCA |

| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 1395.00 | H | - | - | -76.46 | 7.52 | 38.06 | -57.20 | -13.00 | -44.20 |
| 2095.00 | H | - | - | -77.02 | 11.10 | 41.08 | -54.18 | -13.00 | -41.18 |
| 4190.00 | H | - | - | -77.73 | 14.95 | 44.22 | -51.04 | -13.00 | -38.04 |
| 5585.00 | H | - | - | -78.12 | 16.08 | 44.96 | -50.30 | -13.00 | -37.30 |
| 7330.00 | H | - | - | -79.42 | 18.78 | 46.36 | -58.44 | -13.00 | -45.44 |

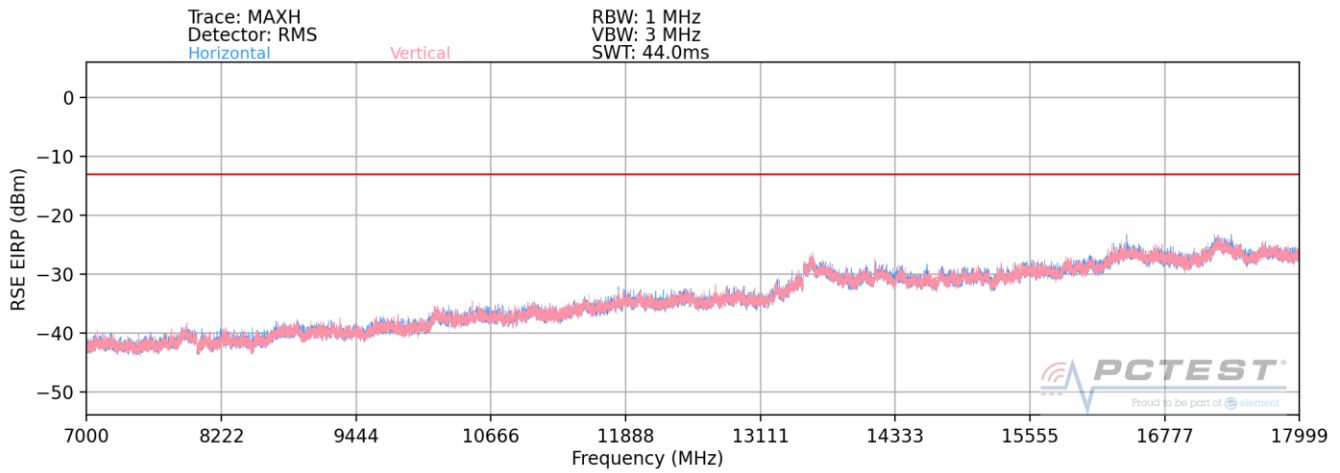
Table 7-37. Radiated Spurious Data (NR Bands n66 – n77)

| | | | | |
|--|--|-----------------------------------|--|-----------------------------------|
| FCC ID: A3LSMS908U | PCTEST Proud to be part of element | PART 27 MEASUREMENT REPORT | | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | | Page 196 of 214 |

NR Band n66(Ant A) - B48



Plot 7-299. Radiated Spurious Plot (NR Band n66(Ant A) - B48)



Plot 7-300. Radiated Spurious Plot (NR Band n66(Ant A) - B48)

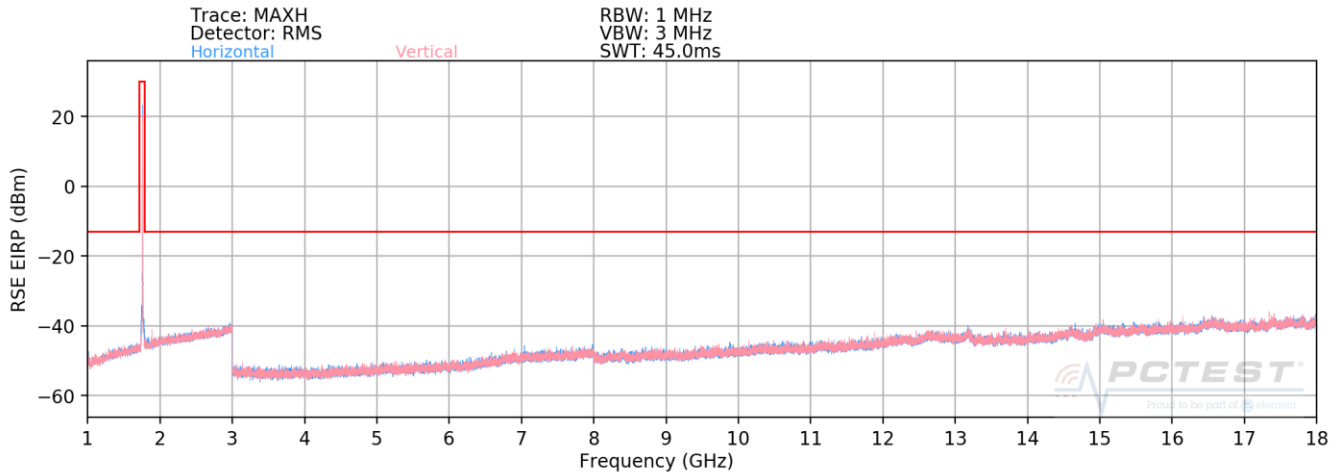
| | |
|------------------|------------------|
| Bandwidth (MHz): | 40 / 20 |
| Frequency (MHz): | 1745 / 3625 |
| RB / Offset: | 1 / 108 & 1 / 50 |
| Mode: | EN-DC |
| Anchor Band: | LTE Band 48 |

| 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] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 3800.00 | H | - | - | -66.56 | 8.04 | 48.48 | -46.77 | -13.00 | -33.77 |
| 5400.00 | H | - | - | -66.33 | 10.92 | 51.59 | -43.67 | -13.00 | -30.67 |
| 5640.00 | H | - | - | -66.56 | 10.95 | 51.39 | -43.87 | -13.00 | -30.87 |
| 7240.00 | H | - | - | -66.48 | 14.87 | 55.39 | -39.87 | -13.00 | -26.87 |
| 9080.00 | H | - | - | -67.35 | 17.81 | 57.46 | -37.80 | -13.00 | -24.80 |

Table 7-38. Radiated Spurious Data (NR Band n66(Ant A) - B48)

| | | | | |
|--|--|-----------------------------------|--|-----------------------------------|
| FCC ID: A3LSMS908U | PCTEST Proud to be part of element | PART 27 MEASUREMENT REPORT | | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | | Page 197 of 214 |

NR Band n66 - Ant J



Plot 7-301. Radiated Spurious Plot (NR Band n66 - Ant J)

| | |
|-------------------------|-------------|
| Bandwidth (MHz): | 40 |
| Frequency (MHz): | 1730 |
| RB / Offset: | 1 / 50 |
| Mode: | Stand Alone |
| Note: | Top Antenna |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 3460.00 | H | - | - | -77.77 | 7.17 | 36.40 | -58.86 | -13.00 | -45.86 |
| 5190.00 | H | - | - | -78.43 | 10.31 | 38.88 | -56.38 | -13.00 | -43.38 |
| 6920.00 | H | - | - | -78.93 | 13.68 | 41.75 | -53.51 | -13.00 | -40.51 |

Table 7-39. Radiated Spurious Data (NR Band n66 - Low Channel – Ant J)

| | |
|-------------------------|-------------|
| Bandwidth (MHz): | 40 |
| Frequency (MHz): | 1745 |
| RB / Offset: | 1 / 50 |
| Mode: | Stand Alone |
| Note: | Top Antenna |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 3490.00 | H | 248 | 15 | -77.58 | 7.25 | 36.67 | -58.59 | -13.00 | -45.59 |
| 5235.00 | H | - | - | -78.87 | 10.26 | 38.39 | -56.86 | -13.00 | -43.86 |
| 6980.00 | H | - | - | -79.47 | 14.48 | 42.01 | -53.25 | -13.00 | -40.25 |
| 8725.00 | H | - | - | -80.13 | 17.21 | 44.08 | -51.17 | -13.00 | -38.17 |



Table 7-40. Radiated Spurious Data (NR Band n66 - Mid Channel – Ant J)

| | | | | |
|---|--|--------------------------------------|-----------------|--|
| FCC ID: A3LSMS908U | PCTEST Proud to be part of element | PART 27 MEASUREMENT REPORT | | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | Page 198 of 214 | |

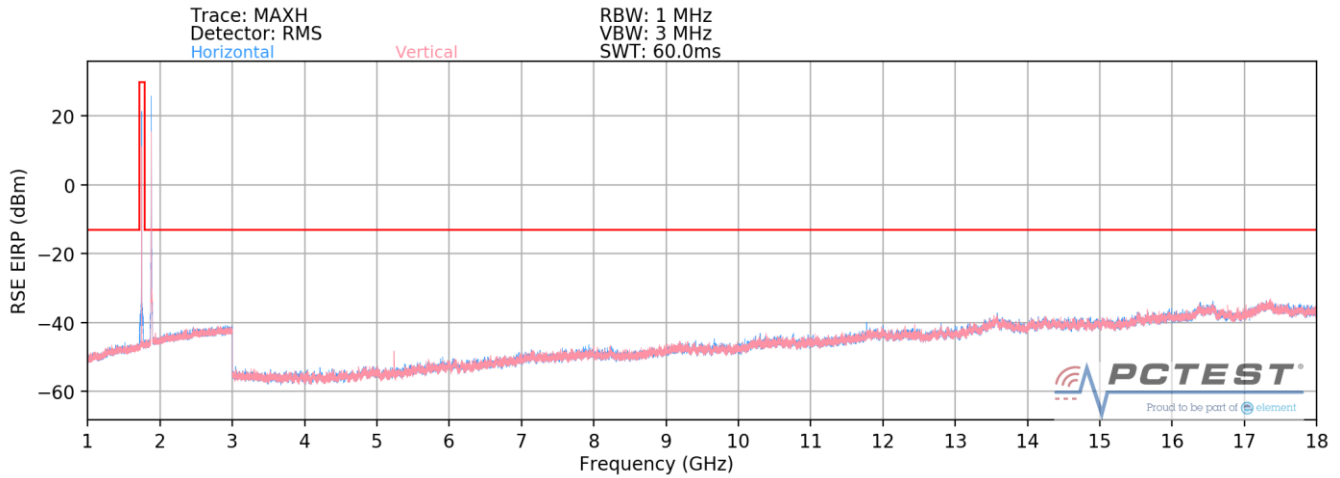
| | |
|-------------------------|-------------|
| Bandwidth (MHz): | 40 |
| Frequency (MHz): | 1760 |
| RB / Offset: | 1 / 50 |
| Mode: | Stand Alone |
| Note: | Top Antenna |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 3520.00 | H | - | - | -78.23 | 7.55 | 36.32 | -58.94 | -13.00 | -45.94 |
| 5280.00 | H | - | - | -78.30 | 10.61 | 39.31 | -55.95 | -13.00 | -42.95 |
| 7040.00 | H | 119 | 304 | -74.99 | 14.36 | 46.37 | -48.89 | -13.00 | -35.89 |
| 8800.00 | H | - | - | -80.82 | 17.67 | 43.85 | -51.40 | -13.00 | -38.40 |
| 10560.00 | H | - | - | -81.53 | 20.93 | 46.40 | -48.86 | -13.00 | -35.86 |

Table 7-41. Radiated Spurious Data (NR Band n66 - High Channel – Ant J)

| | | |
|---|---|--|
| FCC ID: A3LSMS908U |  PART 27 MEASUREMENT REPORT  | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset |
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NR Band n66(Ant J) - B2





Plot 7-302. Radiated Spurious Plot (NR Band n66(Ant J) - B2)

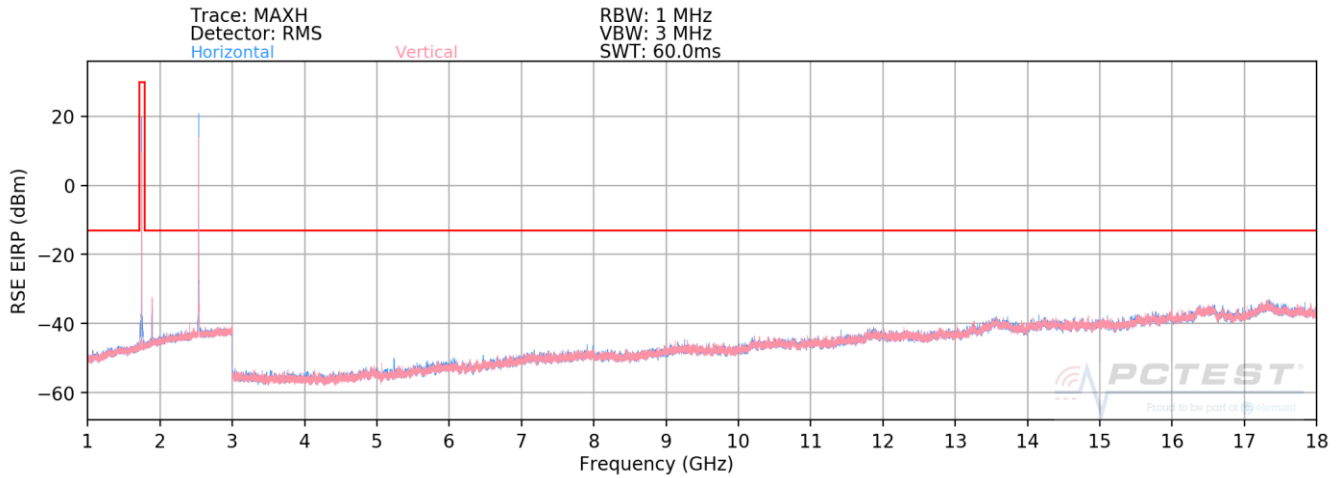
| | |
|------------------|--------------|
| Bandwidth (MHz): | 40 / 20 |
| Frequency (MHz): | 1745 / 1880 |
| RB / Offset: | 1/108 / 1/50 |
| Mode: | EN-DC |
| Anchor Band: | LTE Band 2 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|------------------------------------|-------------|-------------|
| 1205.00 | V | - | - | -67.81 | 7.12 | 46.31 | -48.94 | -13.00 | -35.94 |
| 1340.00 | V | - | - | -69.54 | 8.65 | 46.11 | -49.15 | -13.00 | -36.15 |
| 1475.00 | V | - | - | -70.43 | 17.31 | 53.88 | -41.37 | -13.00 | -28.37 |
| 1610.00 | V | - | - | -70.73 | 8.23 | 44.50 | -50.75 | -13.00 | -37.75 |
| 2015.00 | V | - | - | -70.15 | 11.03 | 47.88 | -47.38 | -13.00 | -34.38 |
| 2150.00 | V | - | - | -68.16 | 13.55 | 52.39 | -42.87 | -13.00 | -29.87 |
| 2285.00 | V | - | - | -68.67 | 13.11 | 51.44 | -43.81 | -13.00 | -30.81 |
| 2420.00 | V | - | - | -70.42 | 13.08 | 49.66 | -45.60 | -13.00 | -32.60 |

Table 7-42. Radiated Spurious Data (NR Band n66(Ant J) - B2)

| | | | |
|--|--|---|-----------------------------------|
| FCC ID: A3LSMS908U |  PART 27 MEASUREMENT REPORT |  | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | Page 200 of 214 |

NR Band n66(Ant J) - B7



Plot 7-303. Radiated Spurious Plot (NR Band n66(Ant J) - B7)

| | |
|------------------|--------------|
| Bandwidth (MHz): | 40 / 20 |
| Frequency (MHz): | 1745 / 2535 |
| RB / Offset: | 1/108 / 1/50 |
| Mode: | EN-DC |
| Anchor Band: | LTE Band 7 |

| Frequency [MHz] | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | EIRP Spurious Emission Level [dBm] | Limit [dBm] | Margin [dB] |
|-----------------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|------------------------------------|-------------|-------------|
| 1415.00 | H | - | - | -69.21 | 3.52 | 41.31 | -53.95 | -13.00 | -40.95 |
| 3325.00 | H | - | - | -70.61 | 8.02 | 44.41 | -50.85 | -13.00 | -37.85 |
| 4115.00 | H | - | - | -72.18 | 8.72 | 43.54 | -51.72 | -13.00 | -38.72 |
| 4905.00 | H | - | - | -72.47 | 10.19 | 44.72 | -50.53 | -13.00 | -37.53 |
| 5237.00 | H | - | - | -73.37 | 11.54 | 45.17 | -50.09 | -13.00 | -37.09 |
| 5695.00 | H | - | - | -73.31 | 12.26 | 45.95 | -49.31 | -13.00 | -36.31 |

Table 7-43. Radiated Spurious Data (NR Band n66(Ant J) - B7)

| | | | | |
|--|--|-----------------------------------|--|-----------------------------------|
| FCC ID: A3LSMS908U | PCTEST Proud to be part of element | PART 27 MEASUREMENT REPORT | | Approved by: Technical Manager |
| Test Report S/N: 1M2109090102-04-R1.A3L | Test Dates: 9/9/2021 - 11/16/2021 | EUT Type: Portable Handset | | Page 201 of 214 |