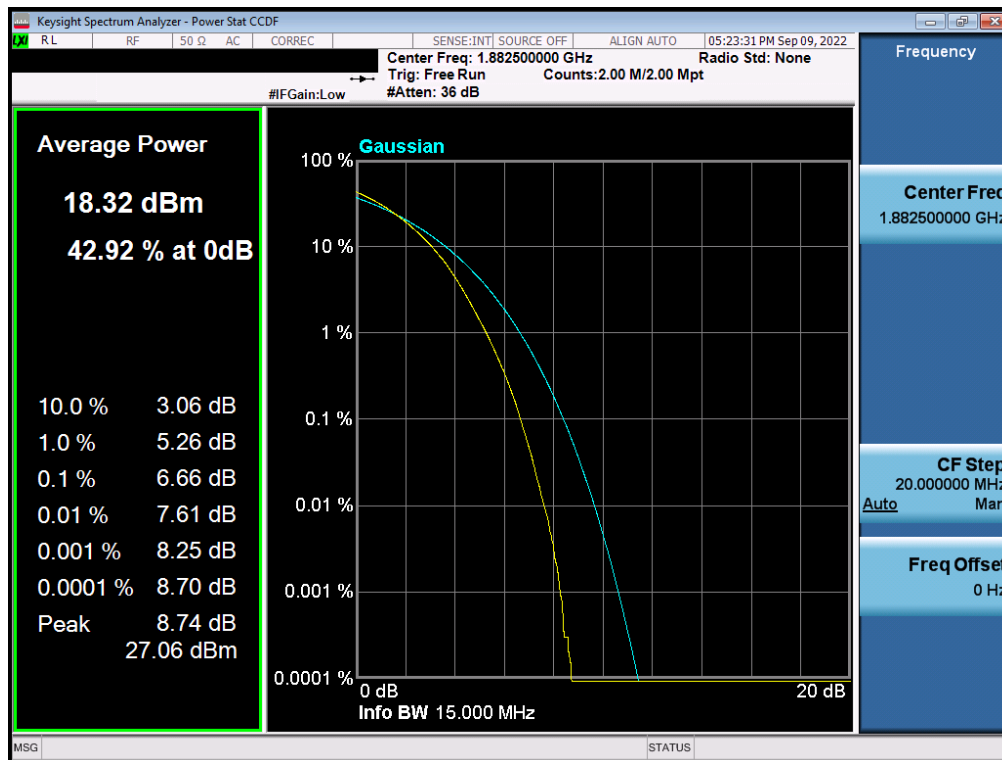
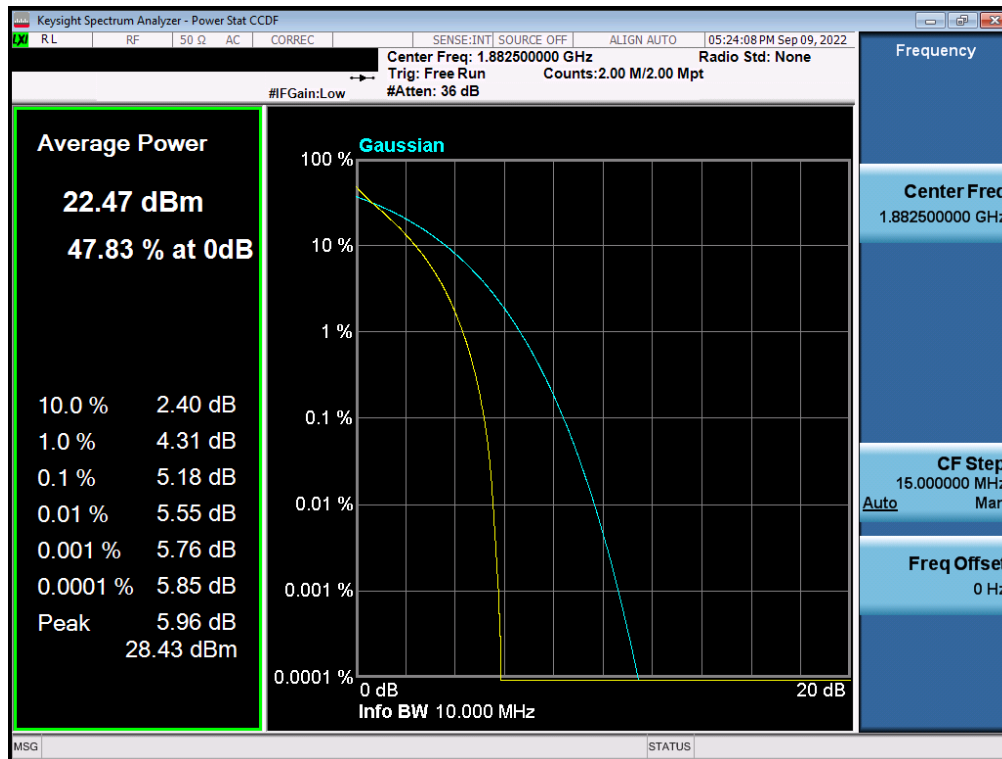


Plot 7-276. PAR Plot (LTE Band 25/2 - 15MHz QPSK - Full RB - ANT A)

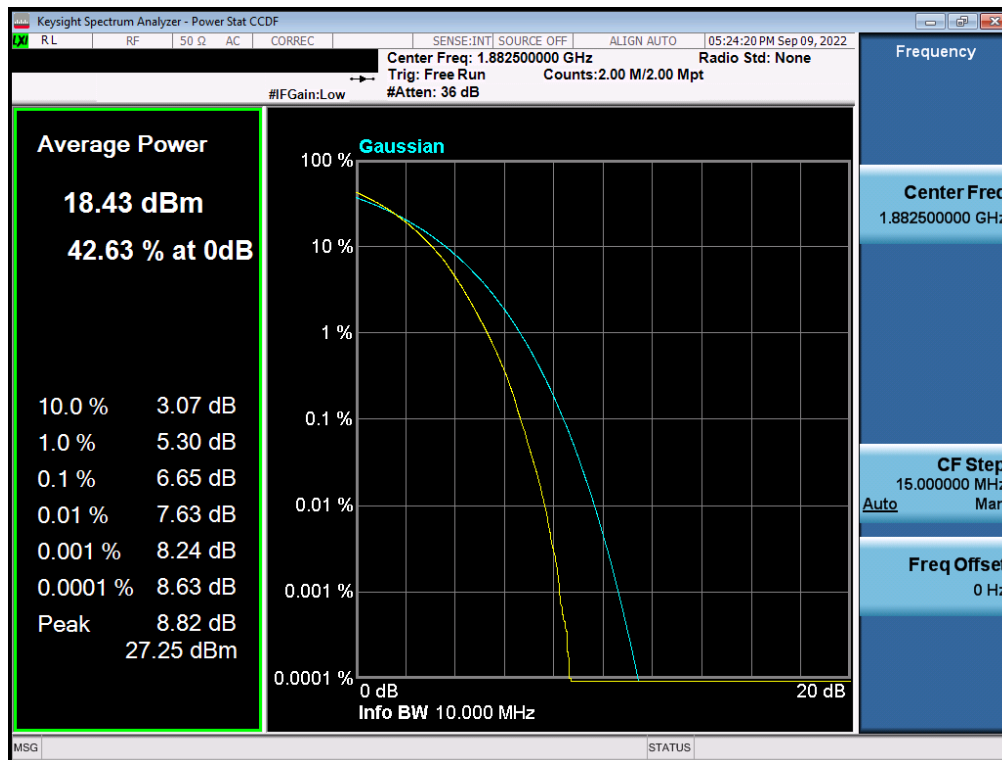


Plot 7-277. PAR Plot (LTE Band 25/2 - 15MHz 256-QAM - Full RB - ANT A)

FCC ID: A3LSMS918U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-06.A3L	Test Dates: 9/12/2022 - 11/08/2022	EUT Type: Portable Handset	Page 164 of 229

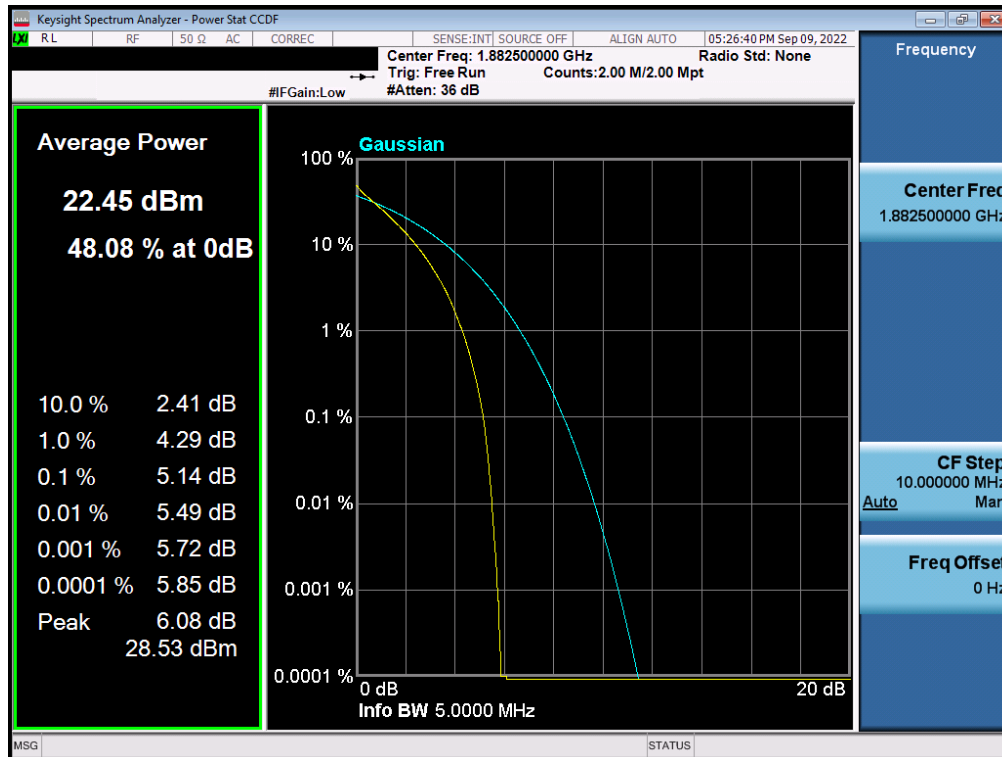


Plot 7-278. PAR Plot (LTE Band 25/2 - 10MHz QPSK - Full RB - ANT A)

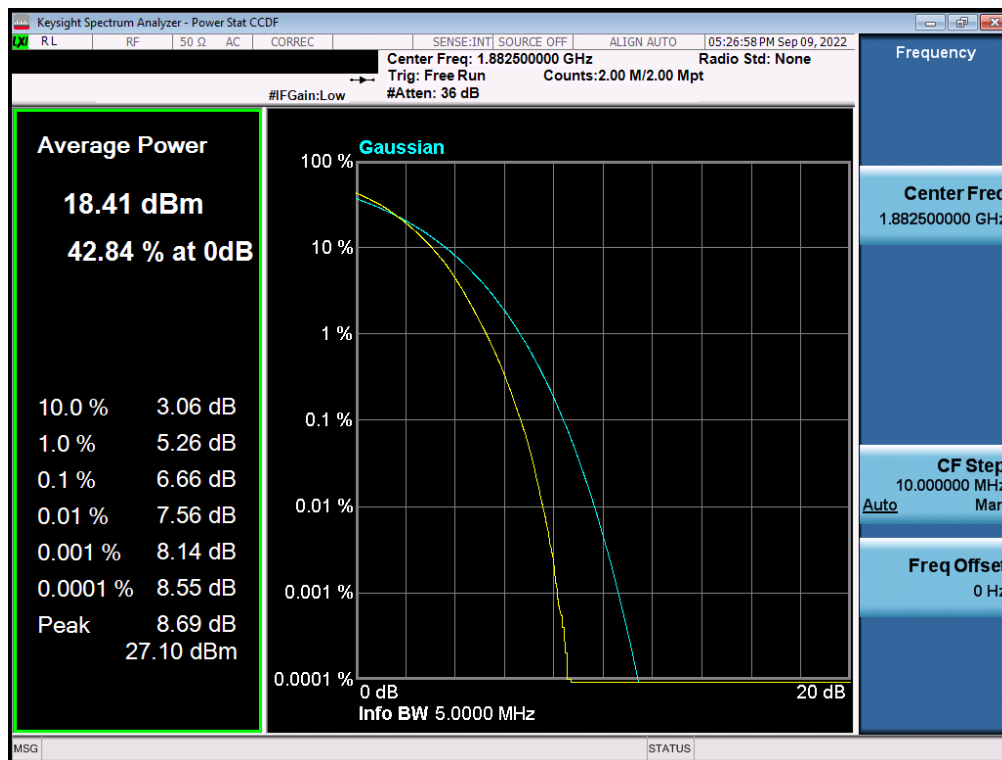


Plot 7-279. PAR Plot (LTE Band 25/2 - 10MHz 256-QAM - Full RB - ANT A)

FCC ID: A3LSMS918U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-06.A3L	Test Dates: 9/12/2022 - 11/08/2022	EUT Type: Portable Handset	Page 165 of 229

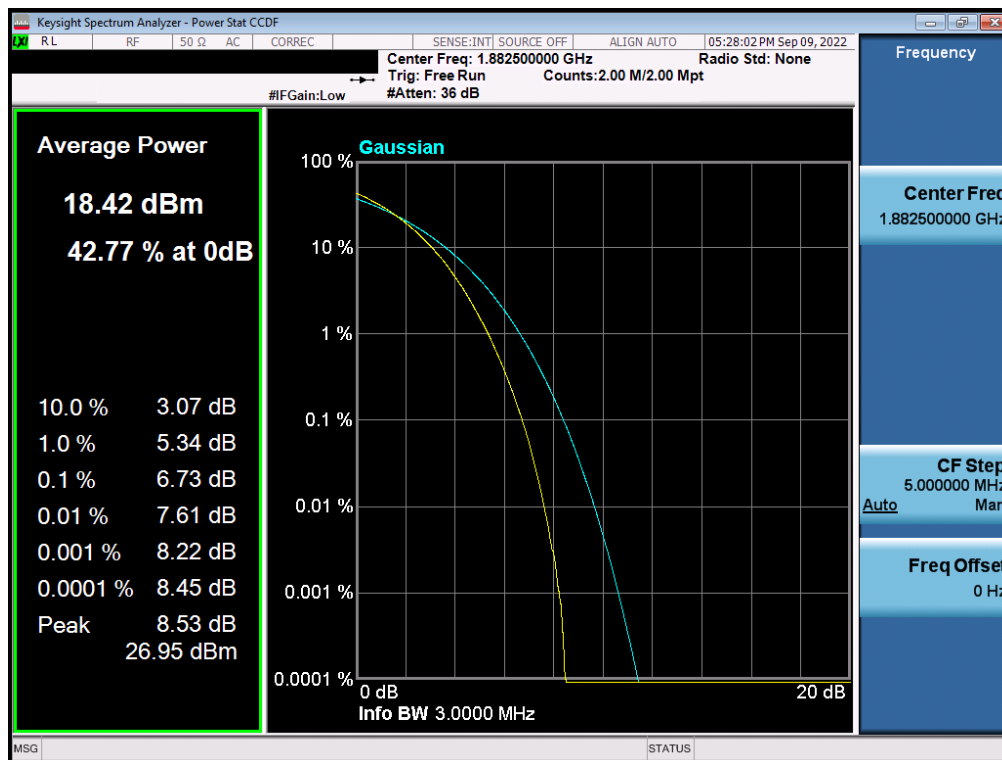
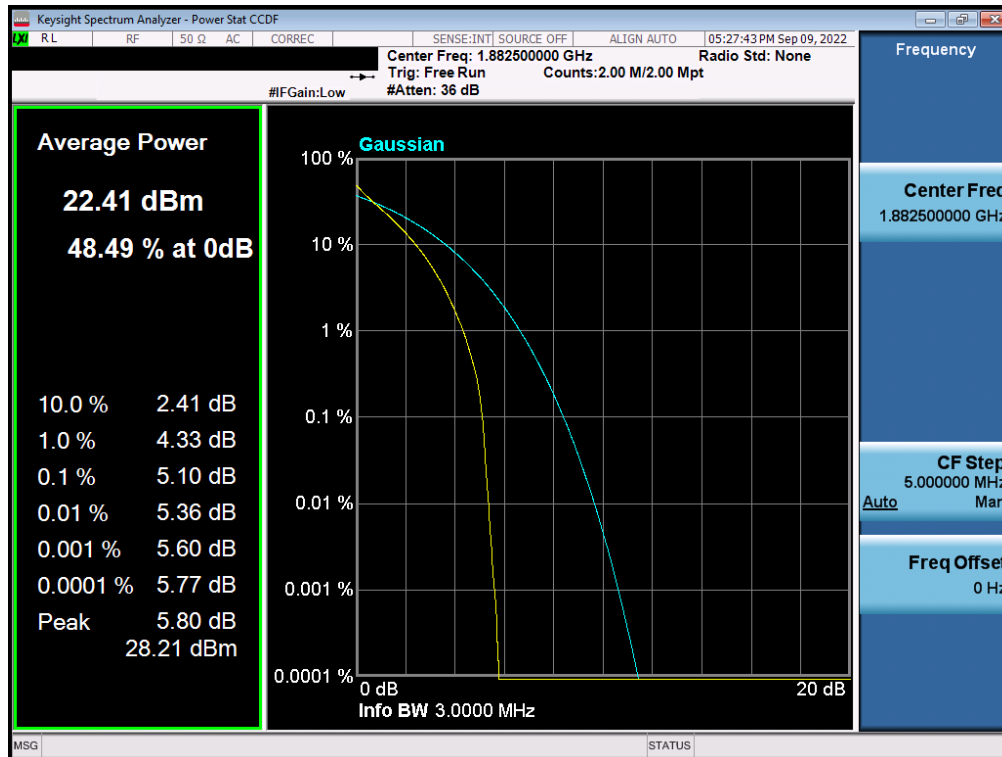


Plot 7-280. PAR Plot (LTE Band 25/2 - 5MHz QPSK - Full RB - ANT A)

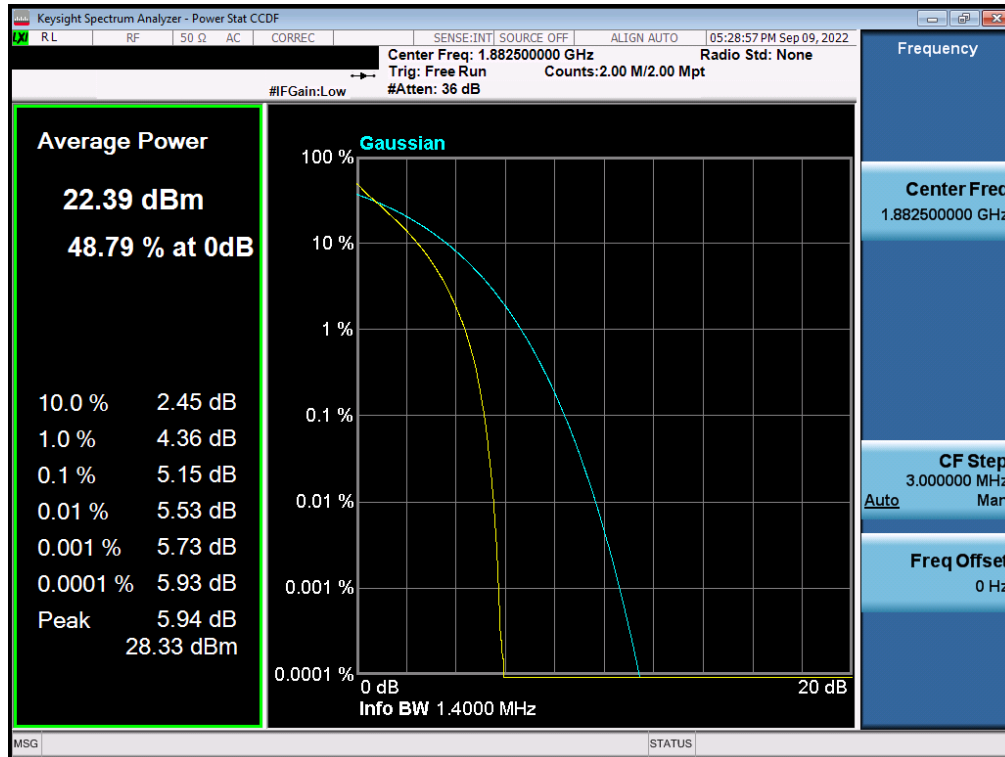


Plot 7-281. PAR Plot (LTE Band 25/2 - 5MHz 256-QAM - Full RB - ANT A)

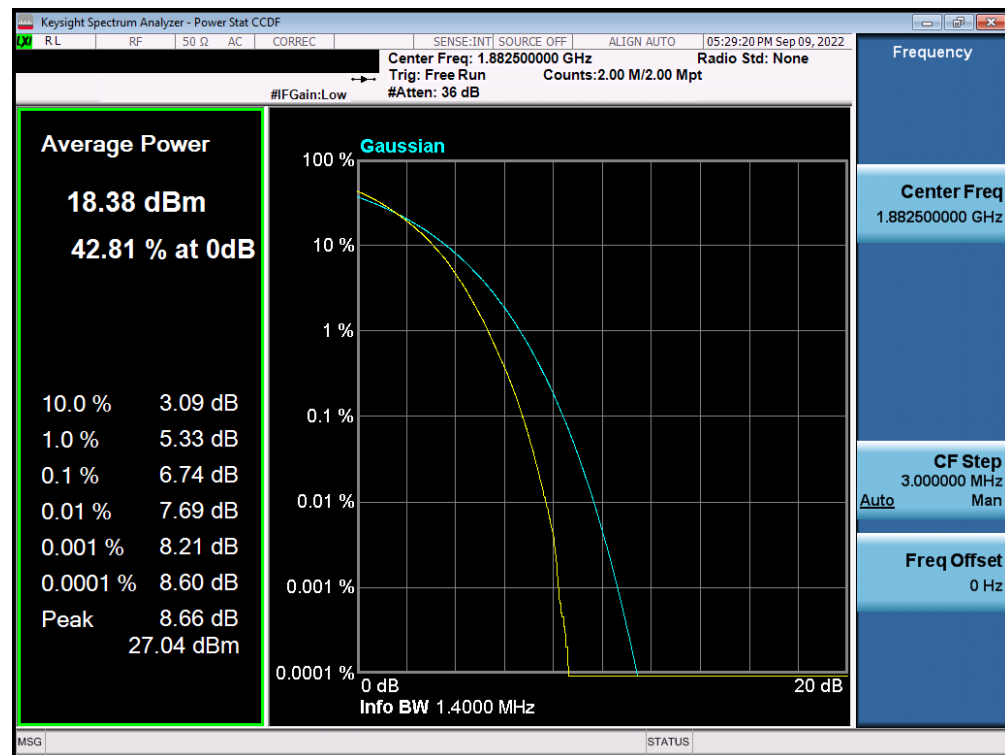
FCC ID: A3LSMS918U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-06.A3L	Test Dates: 9/12/2022 - 11/08/2022	EUT Type: Portable Handset	Page 166 of 229



FCC ID: A3LSMS918U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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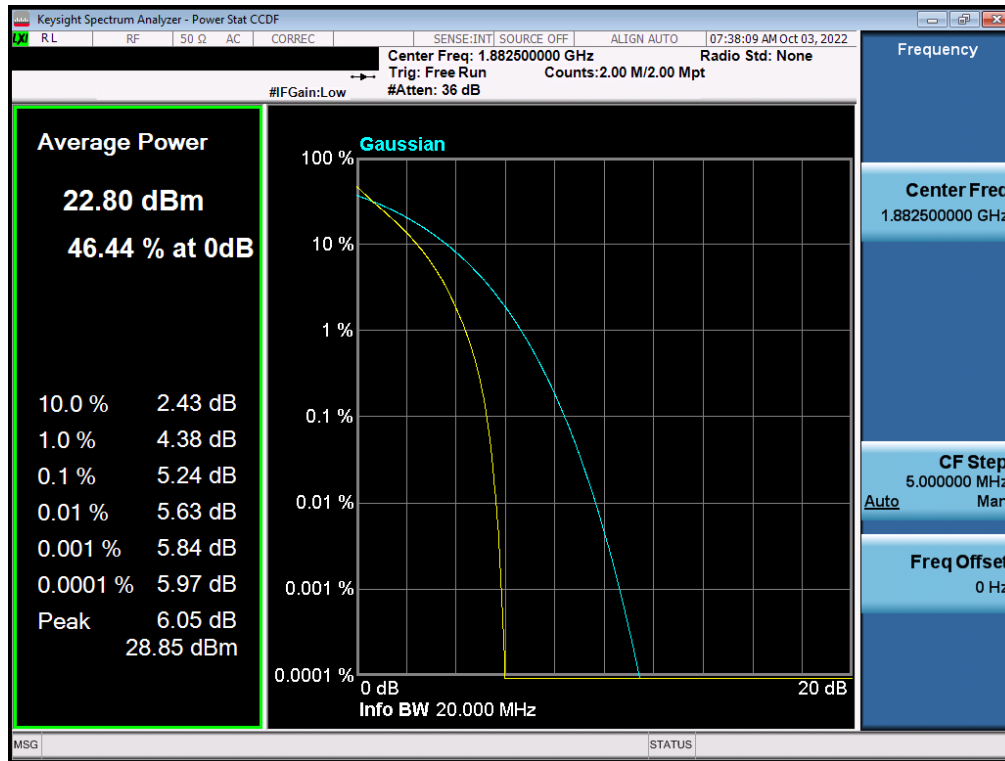
Plot 7-284. PAR Plot (LTE Band 25/2 - 1.4MHz QPSK - Full RB - ANT A)



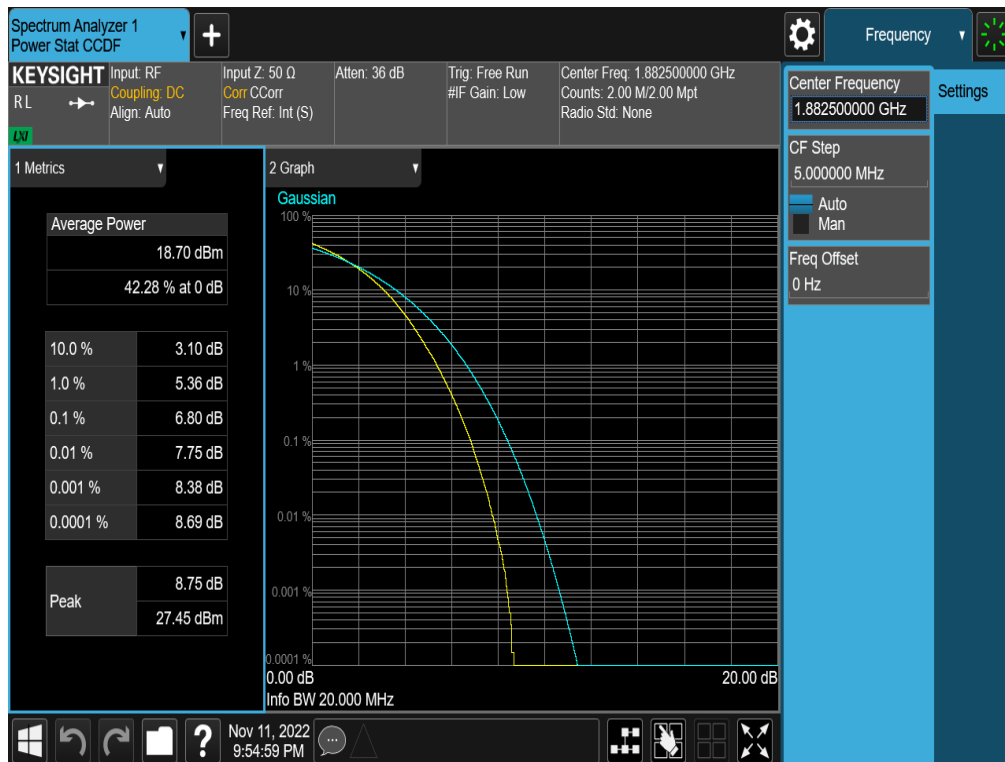
Plot 7-285. PAR Plot (LTE Band 25/2 - 1.4MHz 256-QAM - Full RB - ANT A)

FCC ID: A3LSMS918U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-06.A3L	Test Dates: 9/12/2022 - 11/08/2022	EUT Type: Portable Handset	Page 168 of 229

## LTE Band 25/2 – ANT F

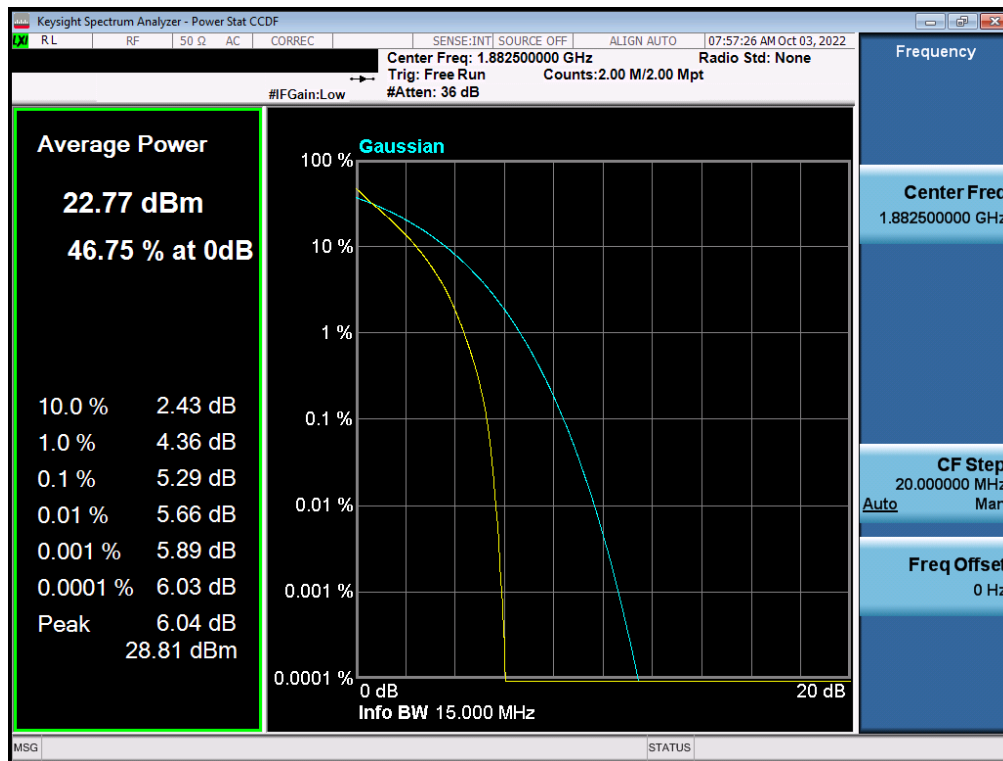


Plot 7-286. PAR Plot (LTE Band 25/2 - 20MHz QPSK - Full RB - ANT F)

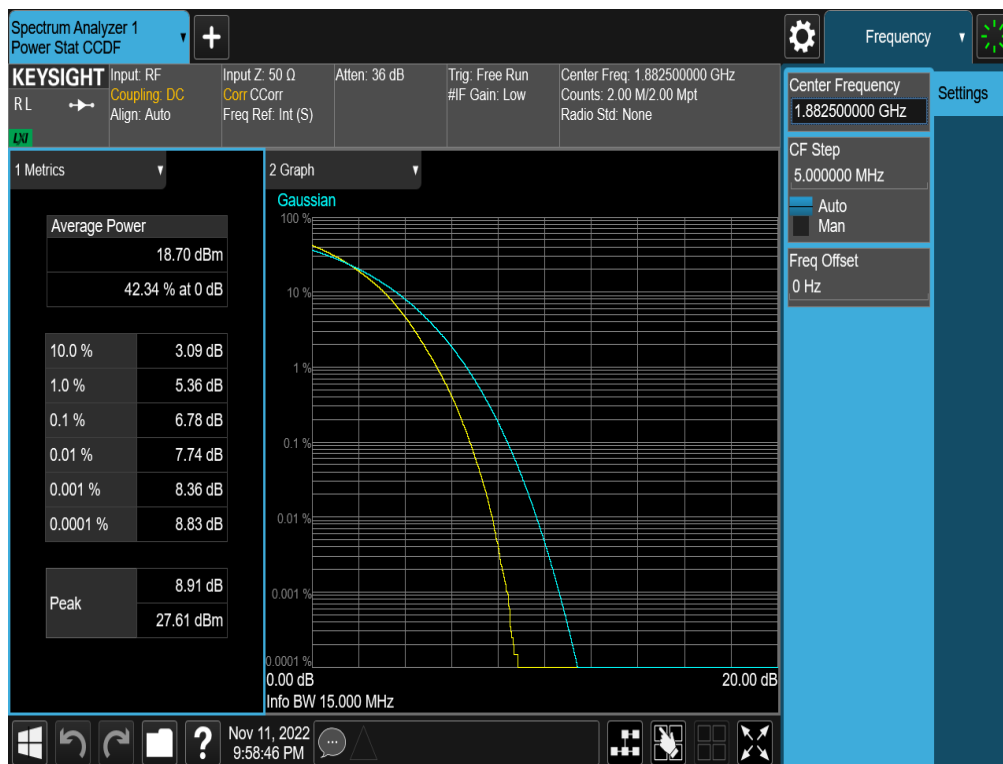


Plot 7-287. PAR Plot (LTE Band 25/2 - 20MHz 256-QAM - Full RB - ANT F)

FCC ID: A3LSMS918U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-06.A3L	Test Dates: 9/12/2022 - 11/08/2022	EUT Type: Portable Handset	Page 169 of 229



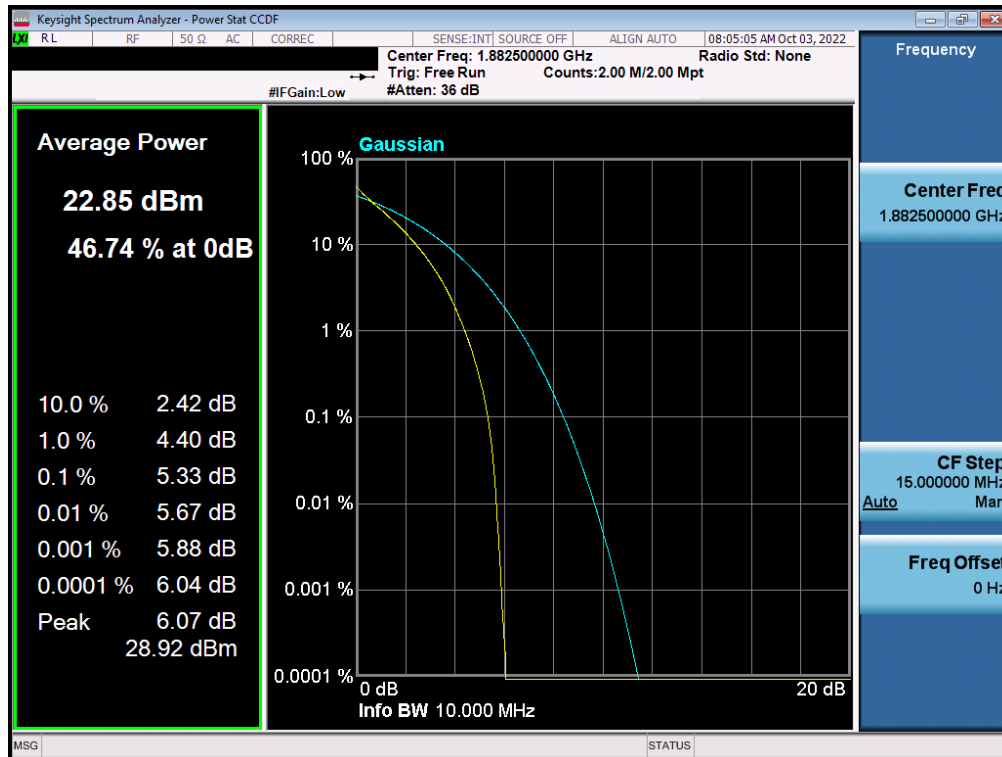
Plot 7-288. PAR Plot (LTE Band 25/2 - 15MHz QPSK - Full RB - ANT F)



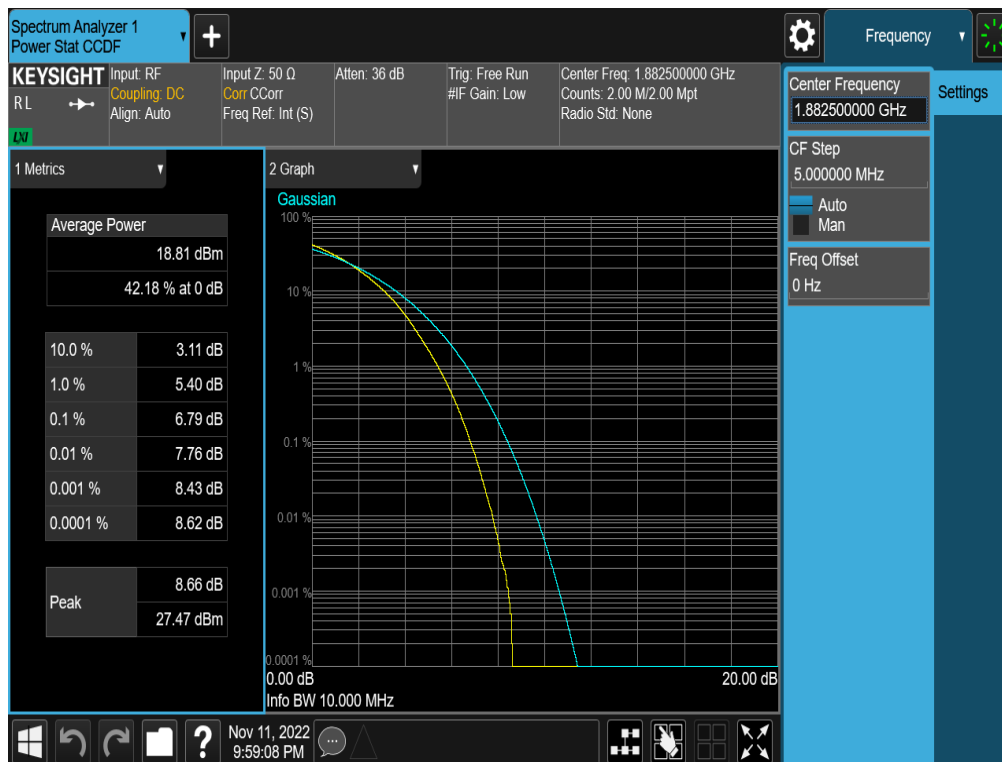
Plot 7-289. PAR Plot (LTE Band 25/2 - 15MHz 256-QAM - Full RB - ANT F)

FCC ID: A3LSMS918U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-06.A3L	Test Dates: 9/12/2022 - 11/08/2022	EUT Type: Portable Handset	Page 170 of 229





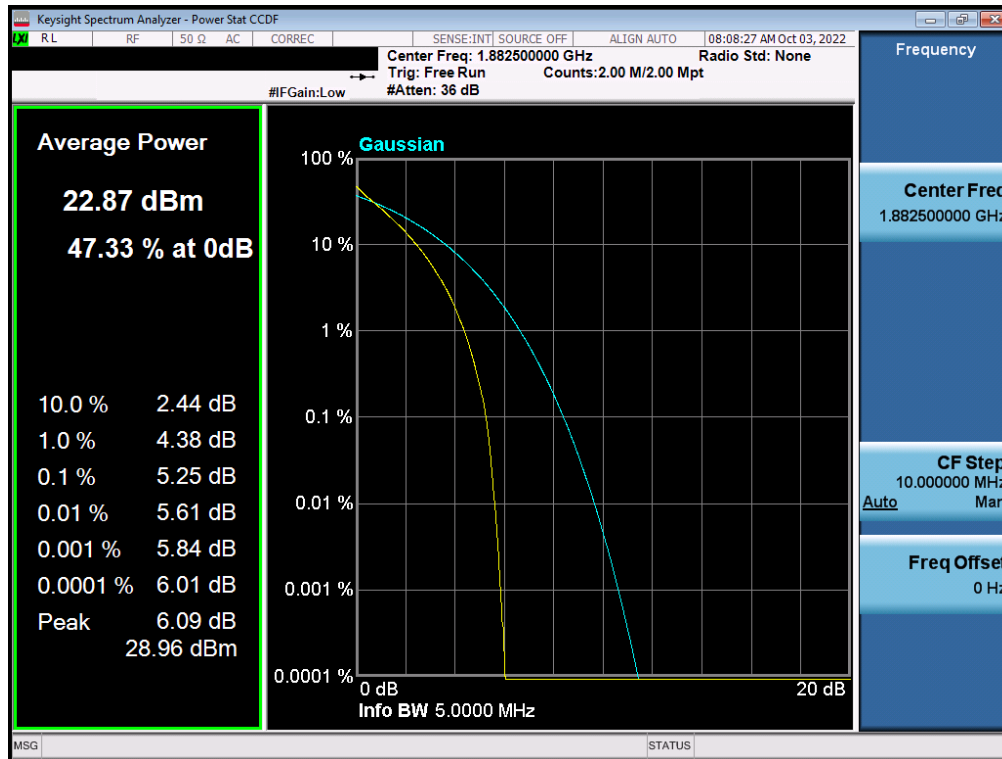
Plot 7-290. PAR Plot (LTE Band 25/2 - 10MHz QPSK - Full RB - ANT F)



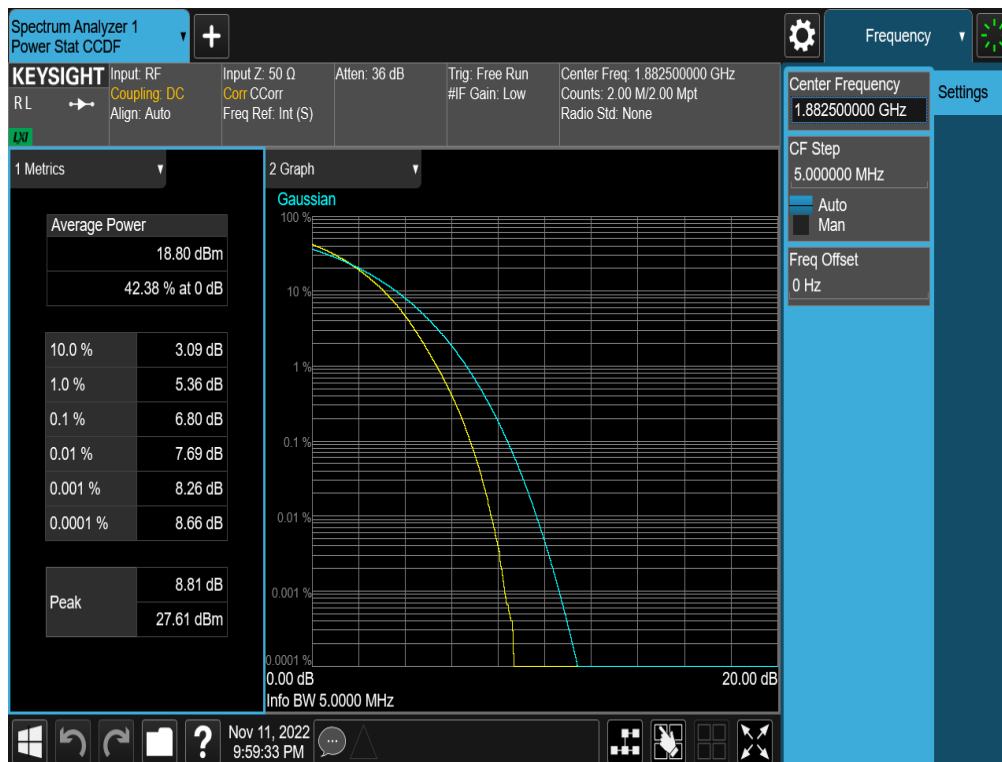
Plot 7-291. PAR Plot (LTE Band 25/2 - 10MHz 256-QAM - Full RB - ANT F)

FCC ID: A3LSMS918U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-06.A3L	Test Dates: 9/12/2022 - 11/08/2022	EUT Type: Portable Handset	Page 171 of 229



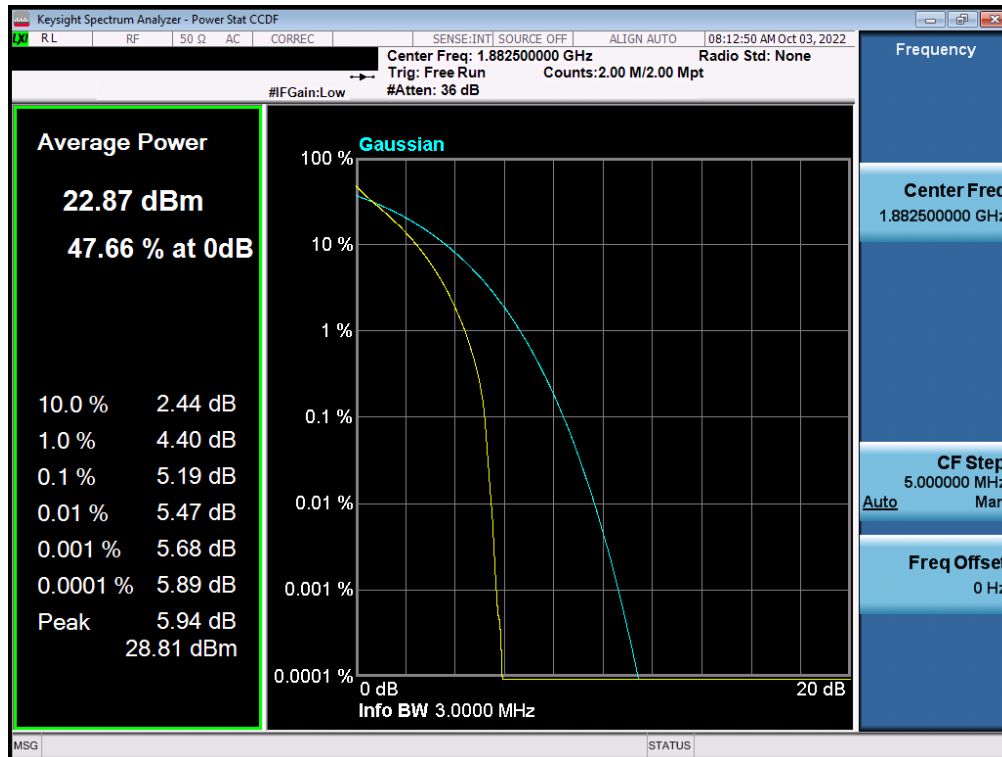


Plot 7-292. PAR Plot (LTE Band 25/2 - 5MHz QPSK - Full RB - ANT F)

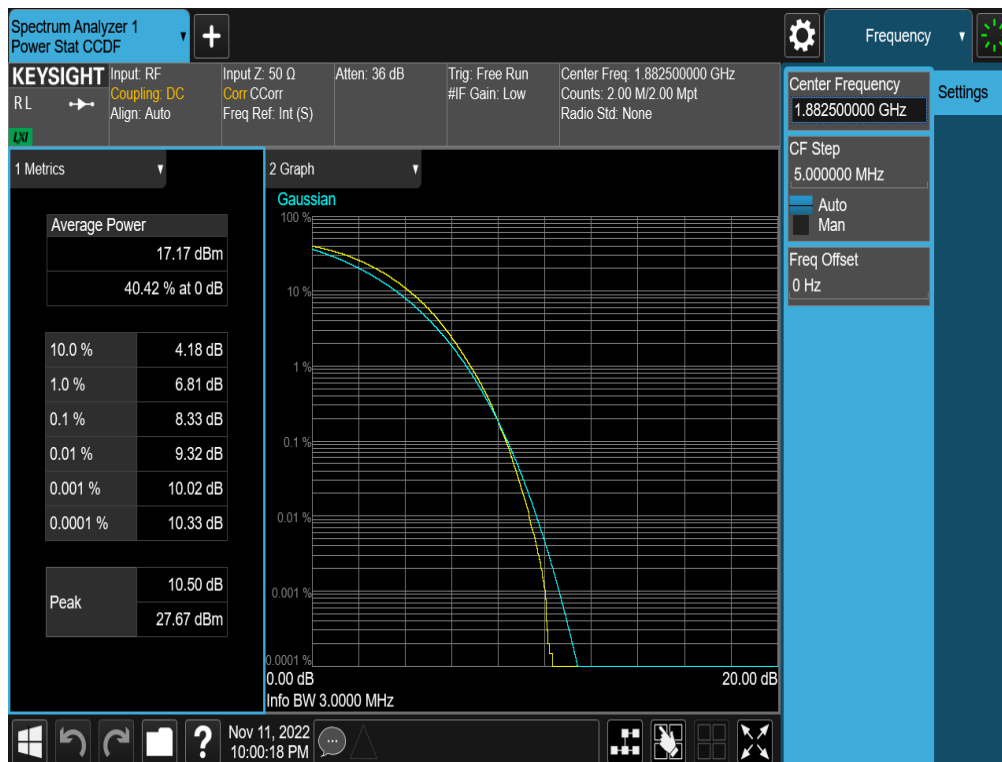


Plot 7-293. PAR Plot (LTE Band 25/2 - 5MHz 256-QAM - Full RB - ANT F)

FCC ID: A3LSMS918U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-06.A3L	Test Dates: 9/12/2022 - 11/08/2022	EUT Type: Portable Handset	Page 172 of 229

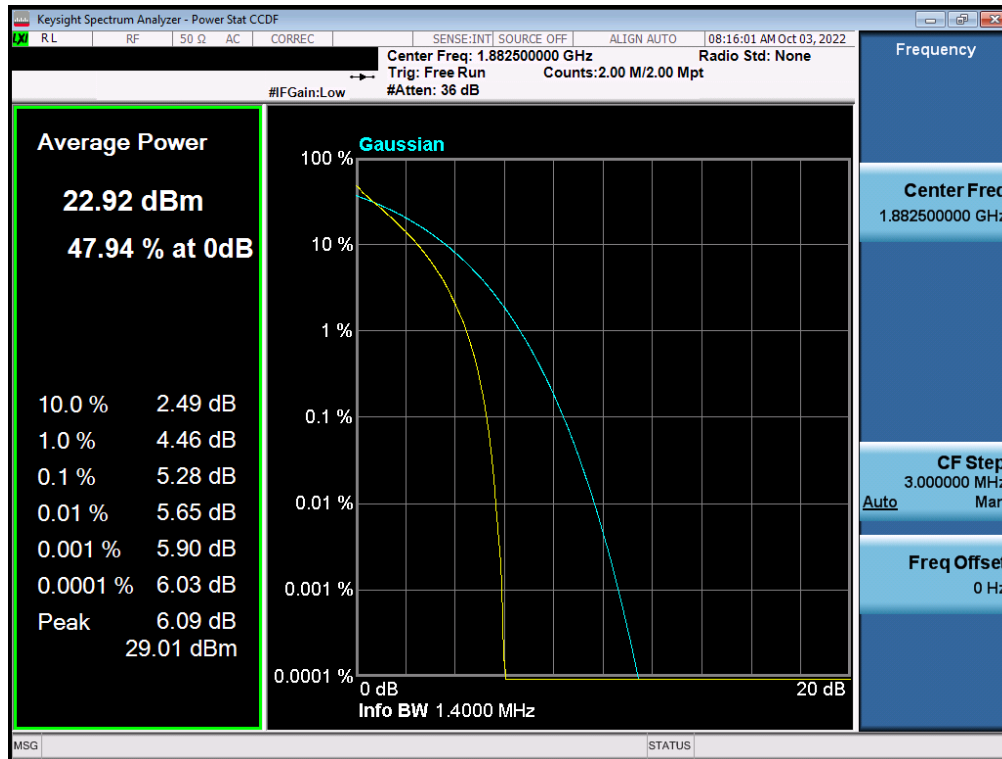


Plot 7-294. PAR Plot (LTE Band 25/2 - 3MHz QPSK - Full RB - ANT F)



Plot 7-295. PAR Plot (LTE Band 25/2 - 3MHz 256-QAM - Full RB - ANT F)

FCC ID: A3LSMS918U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-06.A3L	Test Dates: 9/12/2022 - 11/08/2022	EUT Type: Portable Handset	Page 173 of 229



Plot 7-296. PAR Plot (LTE Band 25/2 - 1.4MHz QPSK - Full RB - ANT F)



Plot 7-297. PAR Plot (LTE Band 25/2 - 1.4MHz 256-QAM - Full RB - ANT F)

FCC ID: A3LSMS918U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-06.A3L	Test Dates: 9/12/2022 - 11/08/2022	EUT Type: Portable Handset	Page 174 of 229

## NR Band n25/2 – ANT A



Plot 7-298. PAR Plot (NR Band n25/2 - 40.0MHz DFT-s-OFDM BPSK - Full RB - ANT A)



Plot 7-299. PAR Plot (NR Band n25/2 - 40.0MHz CP-OFDM QPSK - Full RB - ANT A)

FCC ID: A3LSMS918U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-06.A3L	Test Dates: 9/12/2022 - 11/08/2022	EUT Type: Portable Handset	Page 175 of 229

The screenshot displays the Keysight Spectrum Analyzer 1 interface. The main display shows a Gaussian signal measurement with a peak power of 28.16 dBm and an average power of 23.23 dBm. The signal is centered at 1.882500000 GHz with a bandwidth of 30.000 MHz. The interface includes various control panels for metrics, graph settings, and frequency parameters.

**Power Stat CCDF**

**KEYSIGHT** Input: RF  
RL  $\rightarrow$  Coupling: DC  
Align: Auto

Input Z: 50  $\Omega$   
Corr: CCorr  
Freq Ref: Int (S)

Atten: 36 dB

Trig: Free Run  
#IF Gain: Low

Center Freq: 1.882500000 GHz  
Counts: 2.00 M/2.00 Mpt  
Radio Std: None

**1 Metrics**

**Average Power**

23.23 dBm

47.62 % at 0 dB

10.0 % 1.92 dB

1.0 % 3.46 dB

0.1 % 4.28 dB

0.01 % 4.59 dB

0.001 % 4.83 dB

0.0001 % 4.90 dB

**Peak**

4.93 dB

28.16 dBm

**2 Graph**

**Gaussian**

100 %

10 %

1 %

0.1 %

0.01 %

0.001 %

0.0001 %

0.00 dB

20.00 dB

Info BW 30.000 MHz

**Center Frequency**

1.882500000 GHz

**CF Step**

40.000000 MHz

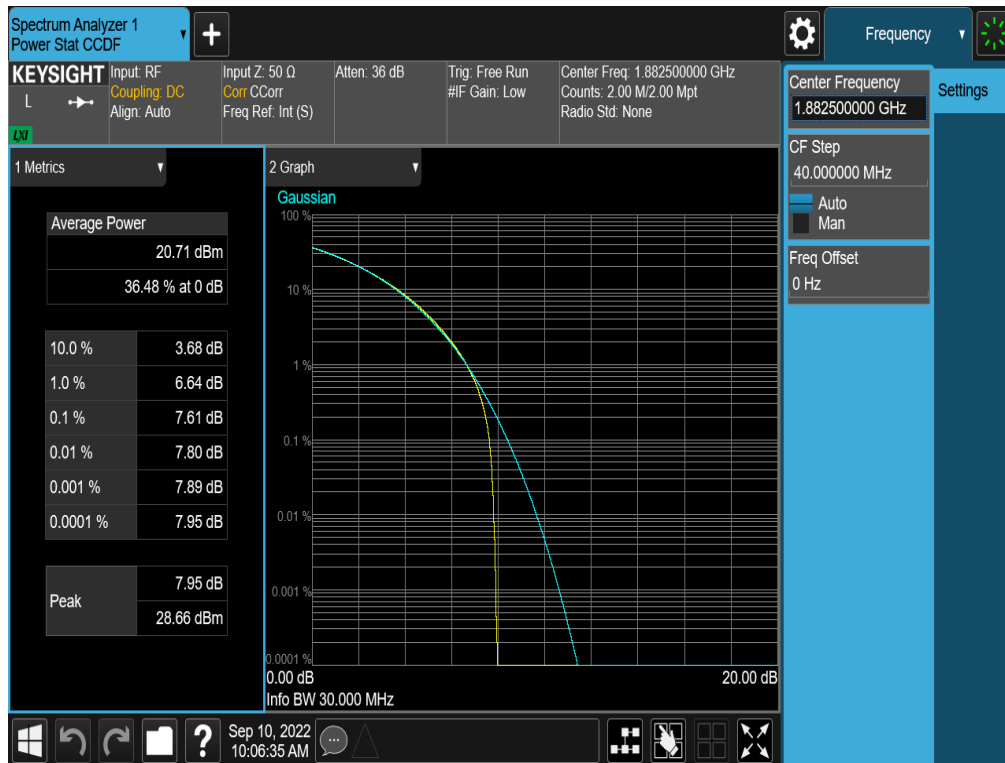
Auto

Man

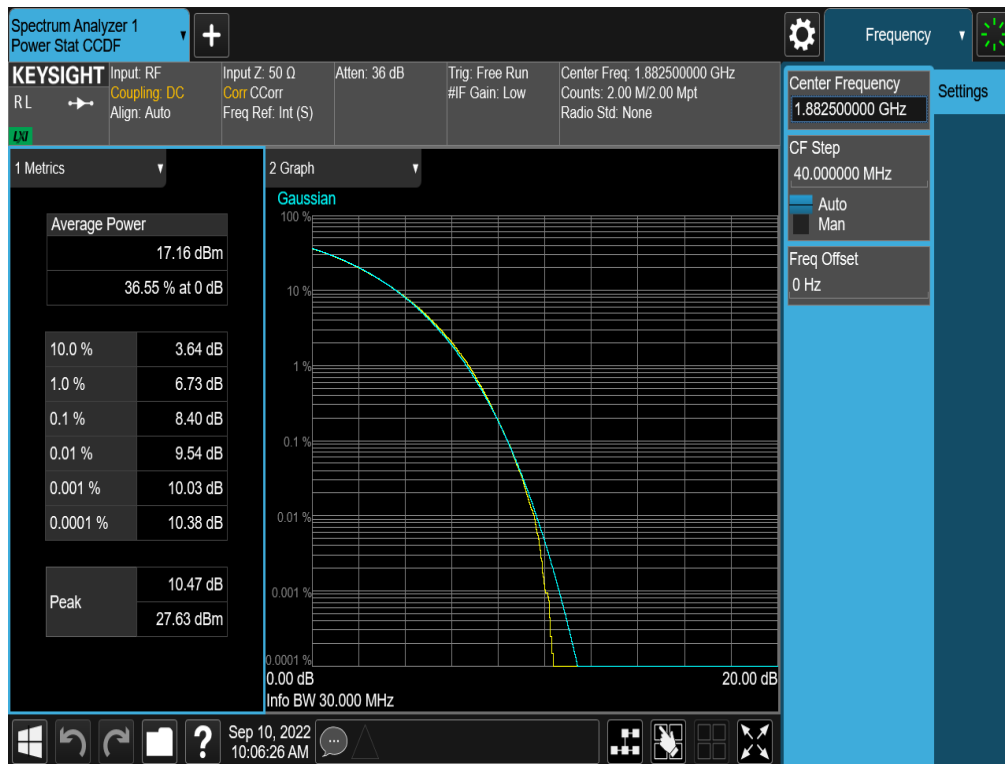
**Freq Offset**

0 Hz

FCC ID: A3LSMS918U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-302. PAR Plot (NR Band n25/2 - 30.0MHz CP-OFDM QPSK - Full RB - ANT A)

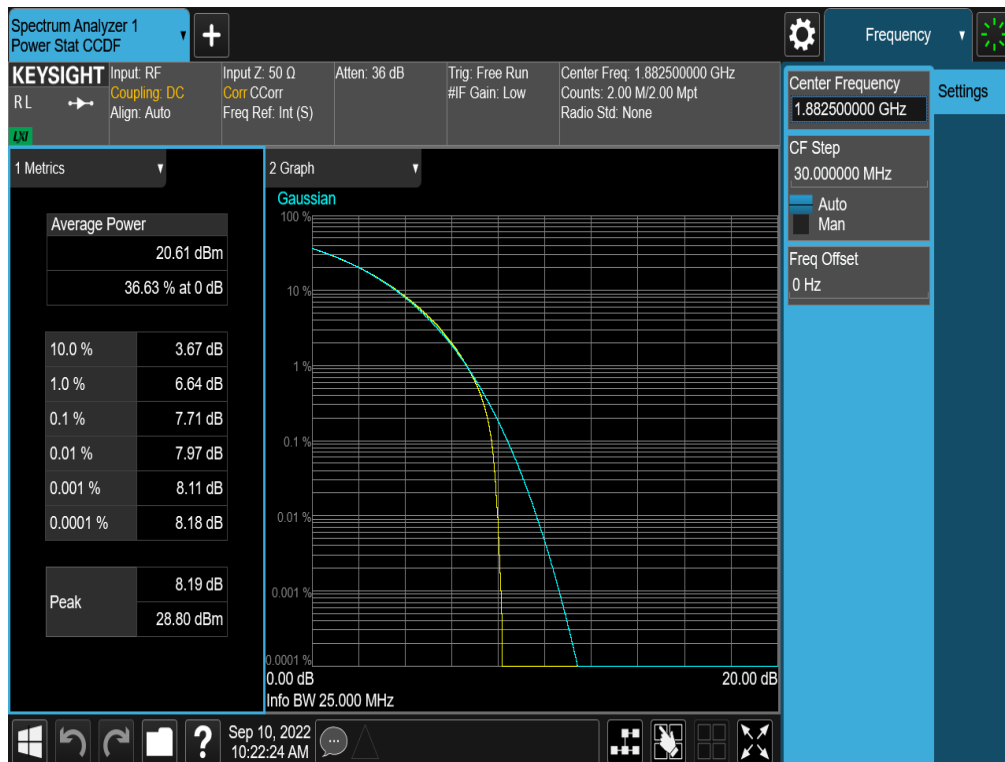


Plot 7-303. PAR Plot (NR Band n25/2 - 30.0MHz CP-OFDM 256-QAM - Full RB - ANT A)

FCC ID: A3LSMS918U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-06.A3L	Test Dates: 9/12/2022 - 11/08/2022	EUT Type: Portable Handset	Page 177 of 229



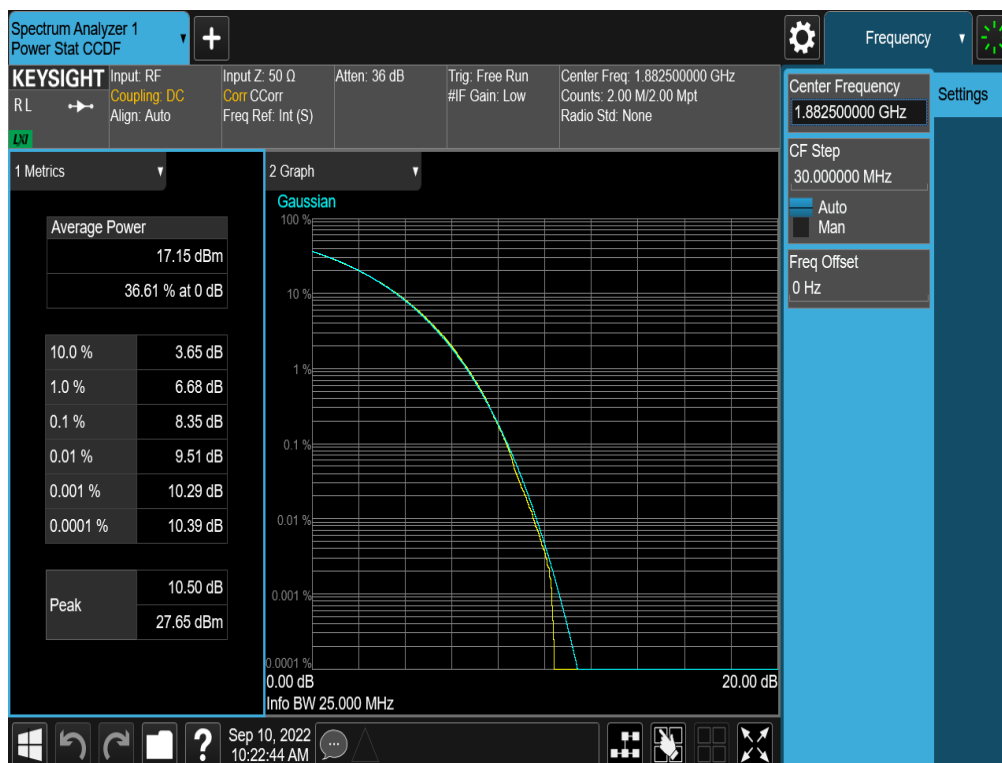
Plot 7-304. PAR Plot (NR Band n25/2 - 25.0MHz DFT-s-OFDM BPSK - Full RB - ANT A)



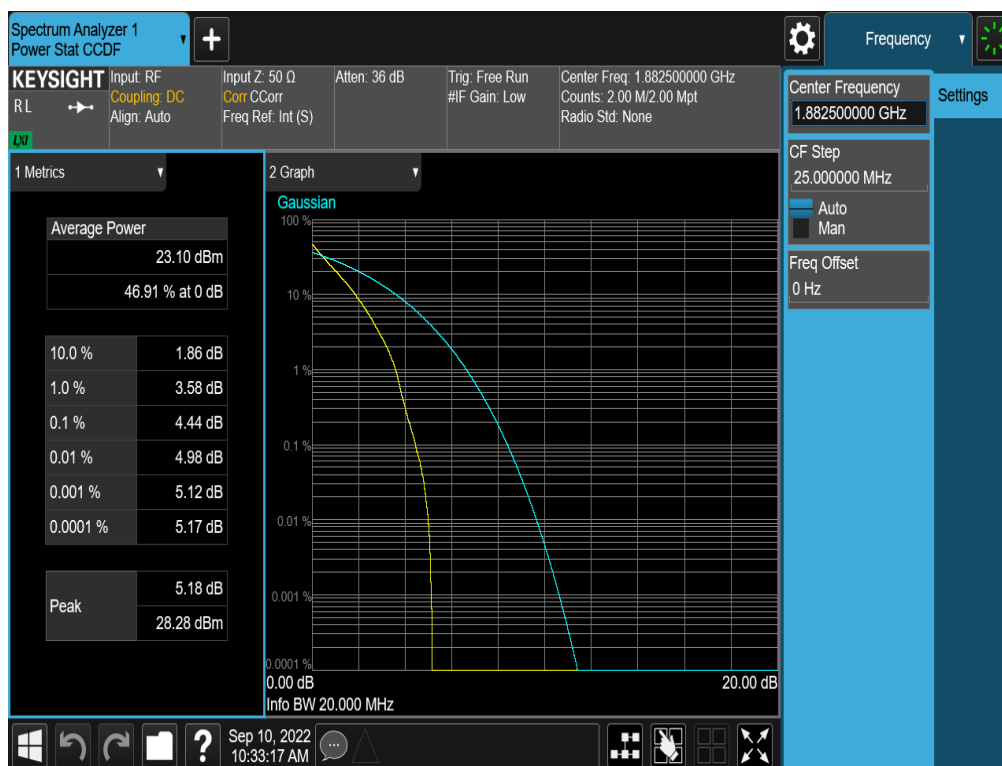
Plot 7-305. PAR Plot (NR Band n25/2 - 25.0MHz CP-OFDM QPSK - Full RB - ANT A)

FCC ID: A3LSMS918U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-06.A3L	Test Dates: 9/12/2022 - 11/08/2022	EUT Type: Portable Handset	Page 178 of 229



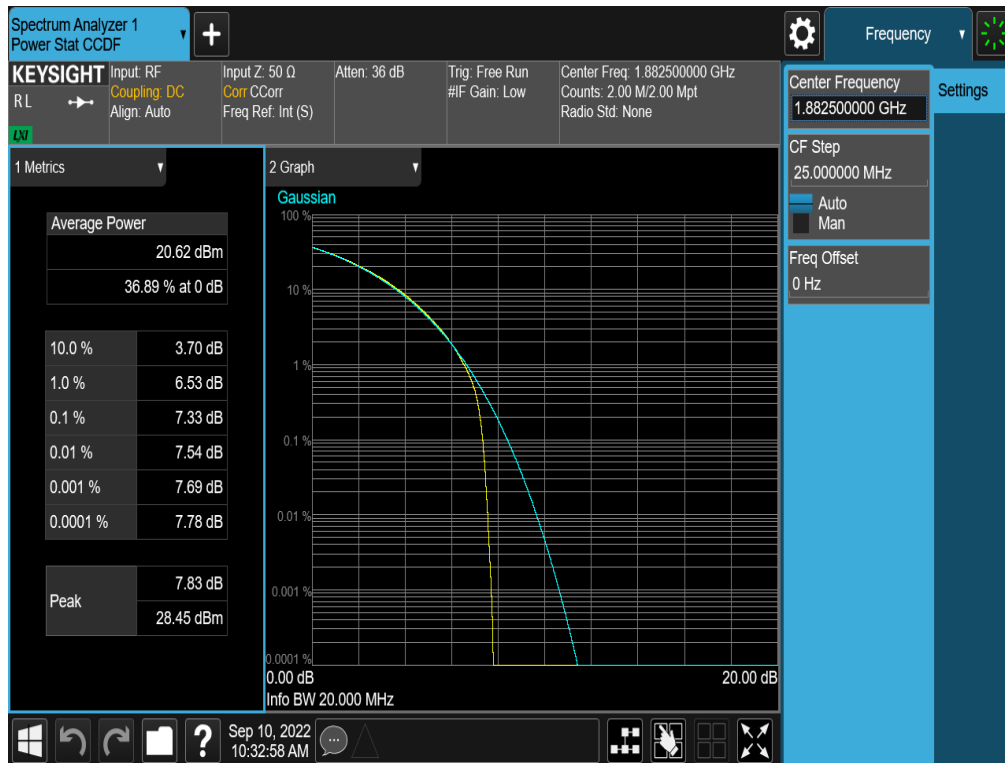


**Plot 7-306. PAR Plot (NR Band n25/2 - 25MHz CP-OFDM 256-QAM - Full RB - ANT A)**

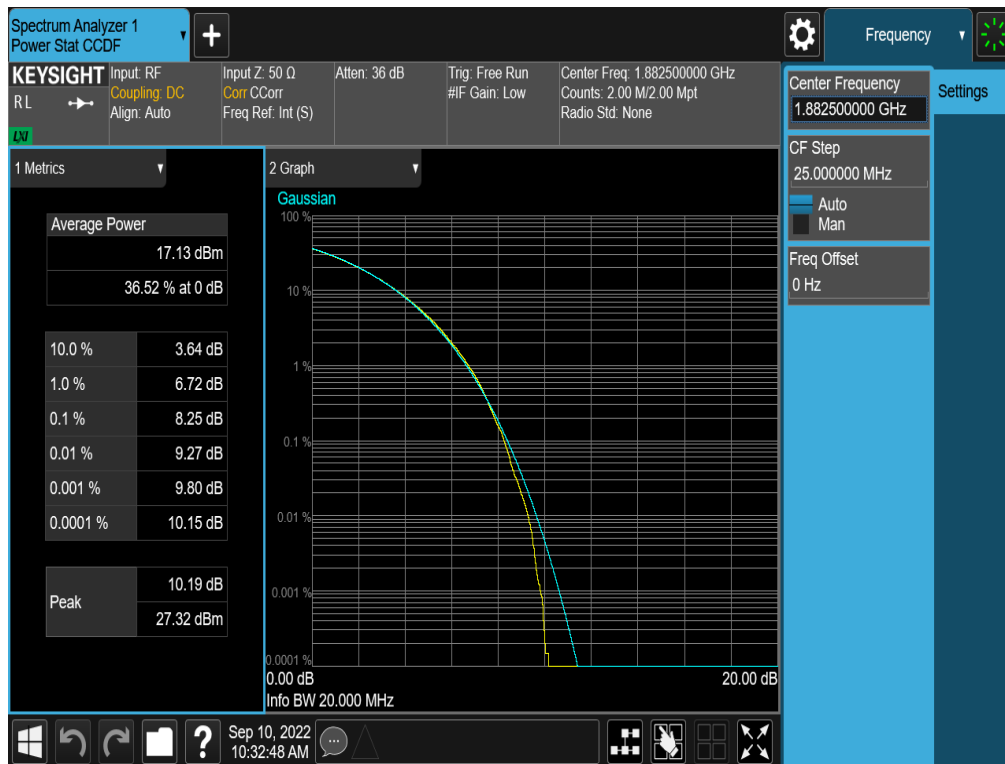


**Plot 7-307. PAR Plot (NR Band n25/2 - 20.0MHz DFT-s-OFDM BPSK - Full RB - ANT A)**

FCC ID: A3LSMS918U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-06.A3L	Test Dates: 9/12/2022 - 11/08/2022	EUT Type: Portable Handset	Page 179 of 229



Plot 7-308. PAR Plot (NR Band n25/2 - 20.0MHz CP-OFDM QPSK - Full RB - ANT A)

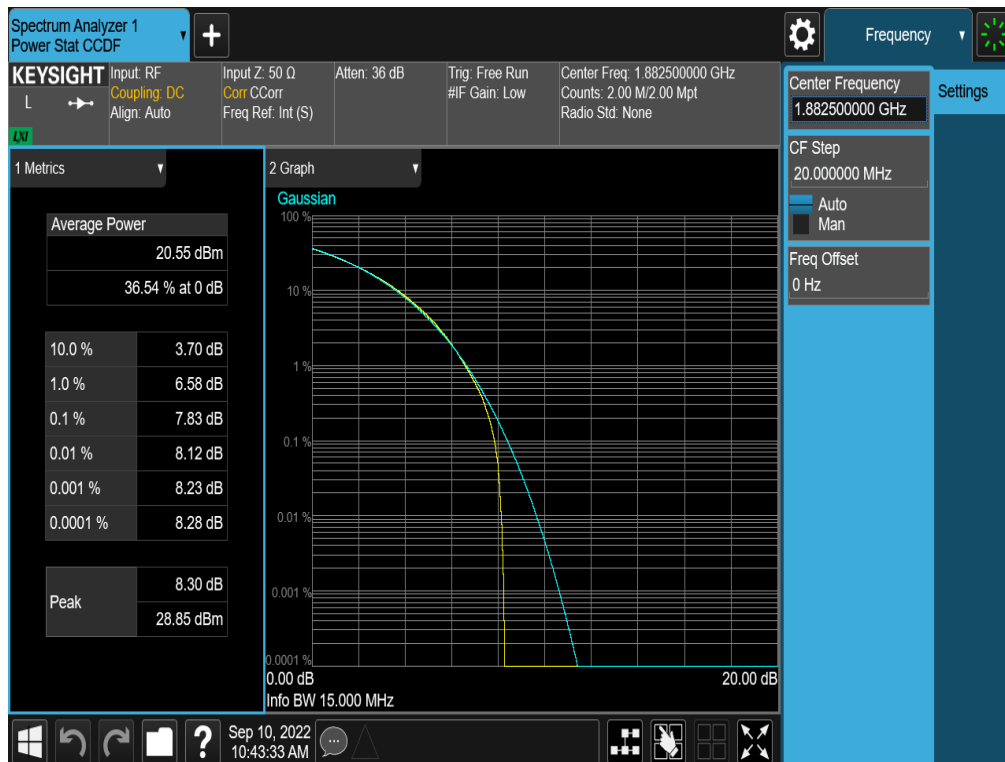


Plot 7-309. PAR Plot (NR Band n25/2 - 20.0MHz CP-OFDM 256-QAM - Full RB - ANT A)

FCC ID: A3LSMS918U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-06.A3L	Test Dates: 9/12/2022 - 11/08/2022	EUT Type: Portable Handset	Page 180 of 229



Plot 7-310. PAR Plot (NR Band n25/2 - 15.0MHz DFT-s-OFDM BPSK - Full RB - ANT A)



Plot 7-311. PAR Plot (NR Band n25/2 - 15.0MHz CP-OFDM QPSK - Full RB - ANT A)

FCC ID: A3LSMS918U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-06.A3L	Test Dates: 9/12/2022 - 11/08/2022	EUT Type: Portable Handset	Page 181 of 229

The screenshot displays the Spectrum Analyzer 1 interface. The main display shows a Gaussian curve (cyan) and a reference curve (yellow) on a log-linear scale. The x-axis represents frequency from 0.00 dB to 20.00 dB, and the y-axis represents power from 0.0001% to 100%.

**Top Panel:**

- Power Stat CCDF:** Input: RF, Coupling: DC, Align: Auto, Input Z: 50  $\Omega$ , Corr: CCorr, Freq Ref: Int (S), Atten: 36 dB, Trig: Free Run, #IF Gain: Low, Center Freq: 1.882500000 GHz, Counts: 2.00 M/2.00 Mpt, Radio Std: None.
- Frequency:** 1.882500000 GHz
- Settings:** CF Step: 15.000000 MHz, Auto (selected), Man, Freq Offset: 0 Hz

**1 Metrics:**

- Average Power:** 22.97 dBm, 48.52 % at 0 dB
- Peak:** 5.16 dB, 28.13 dBm

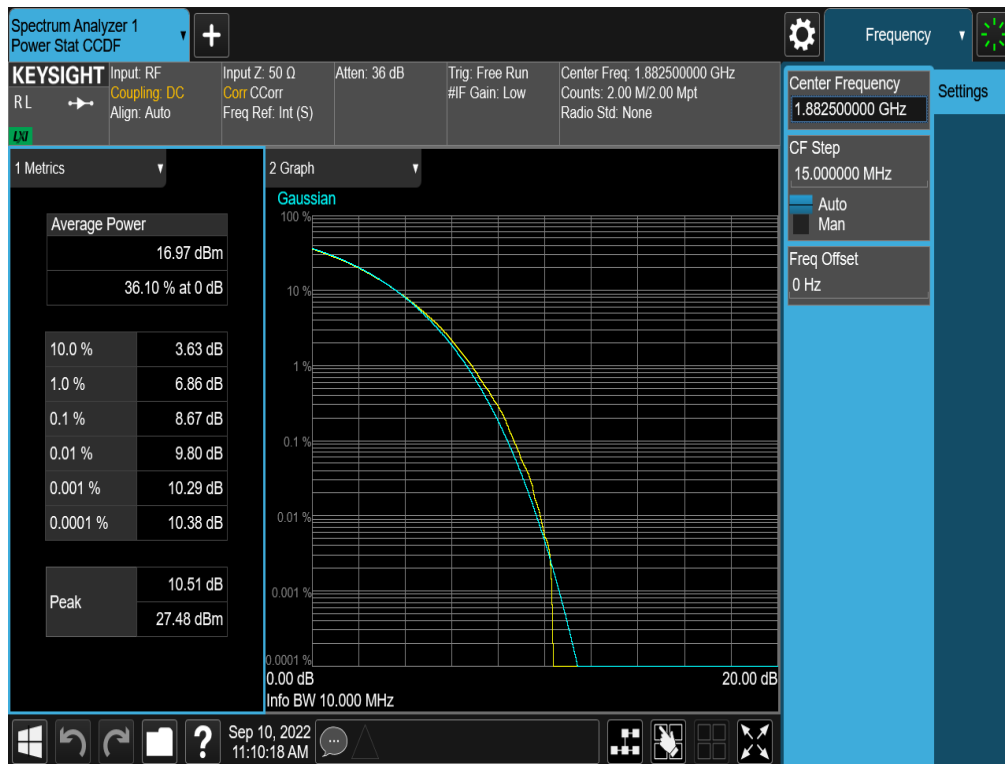
**2 Graph:**

- Gaussian:** 100%, 10%, 1%, 0.1%, 0.01%, 0.001%, 0.0001%, 0.00 dB, 20.00 dB, Info BW 10.000 MHz

FCC ID: A3LSMS918U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-314. PAR Plot (NR Band n25/2 - 10.0MHz CP-OFDM QPSK - Full RB - ANT A)



Plot 7-315. PAR Plot (NR Band n25/2 - 10.0MHz CP-OFDM 256-QAM - Full RB - ANT A)

FCC ID: A3LSMS918U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-06.A3L	Test Dates: 9/12/2022 - 11/08/2022	EUT Type: Portable Handset	Page 183 of 229



Plot 7-316. PAR Plot (NR Band n25/2 - 5.0MHz DFT-s-OFDM BPSK - Full RB - ANT A)



Plot 7-317. PAR Plot (NR Band n25/2 - 5.0MHz CP-OFDM QPSK - Full RB - ANT A)

FCC ID: A3LSMS918U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-06.A3L	Test Dates: 9/12/2022 - 11/08/2022	EUT Type: Portable Handset	Page 184 of 229



Plot 7-318. PAR Plot (NR Band n25/2 - 5.0MHz CP-OFDM 256-QAM - Full RB - ANT A)

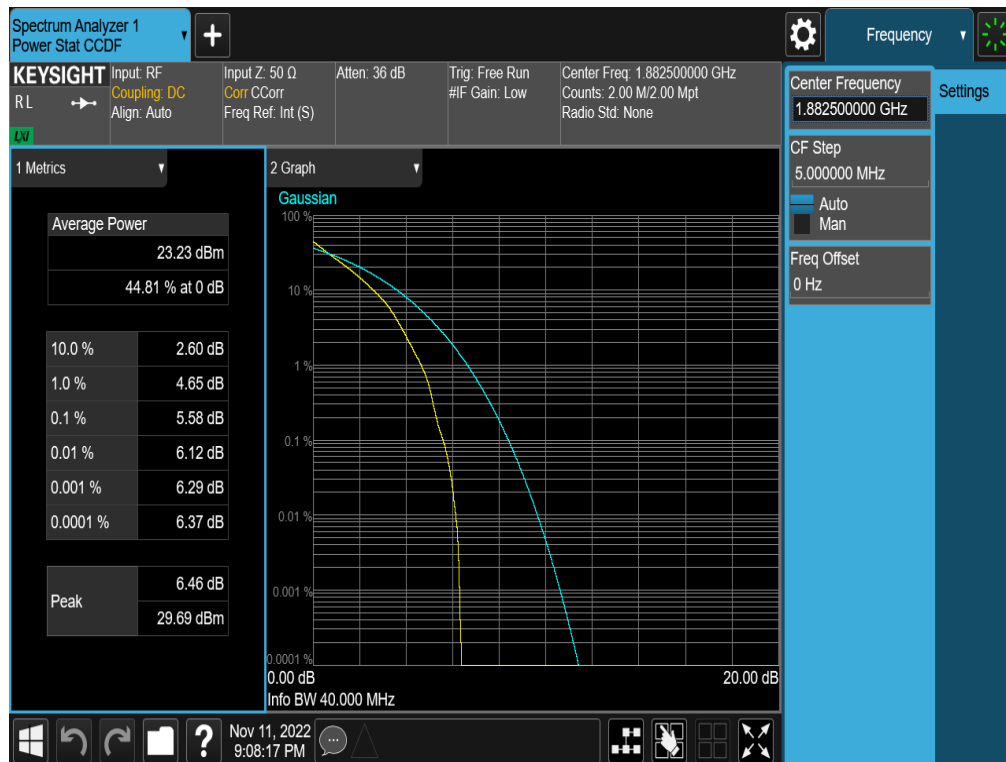
FCC ID: A3LSMS918U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-06.A3L	Test Dates: 9/12/2022 - 11/08/2022	EUT Type: Portable Handset	Page 185 of 229



## NR Band n25/2 – ANT F



Plot 7-319. PAR Plot (NR Band n25/2 - 40.0MHz DFT-s-OFDM BPSK - Full RB - ANT F)



Plot 7-320. PAR Plot (NR Band n25/2 - 40.0MHz CP-OFDM QPSK - Full RB - ANT F)

FCC ID: A3LSMS918U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-06.A3L	Test Dates: 9/12/2022 - 11/08/2022	EUT Type: Portable Handset	Page 186 of 229



Plot 7-321. PAR Plot (NR Band n25/2 - 40.0MHz CP-OFDM 256-QAM - Full RB - ANT F)



Plot 7-322. PAR Plot (NR Band n25/2 - 30.0MHz DFT-s-OFDM BPSK - Full RB - ANT F)

FCC ID: A3LSMS918U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-06.A3L	Test Dates: 9/12/2022 - 11/08/2022	EUT Type: Portable Handset	Page 187 of 229

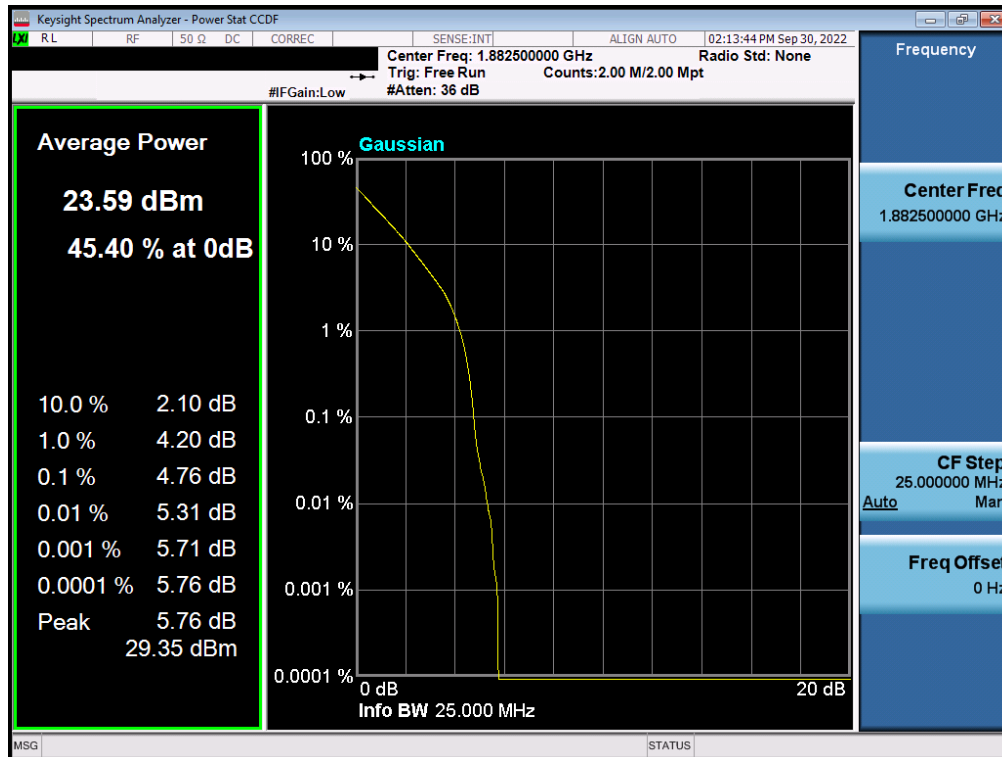


Plot 7-323. PAR Plot (NR Band n25/2 - 30.0MHz CP-OFDM QPSK - Full RB - ANT F)

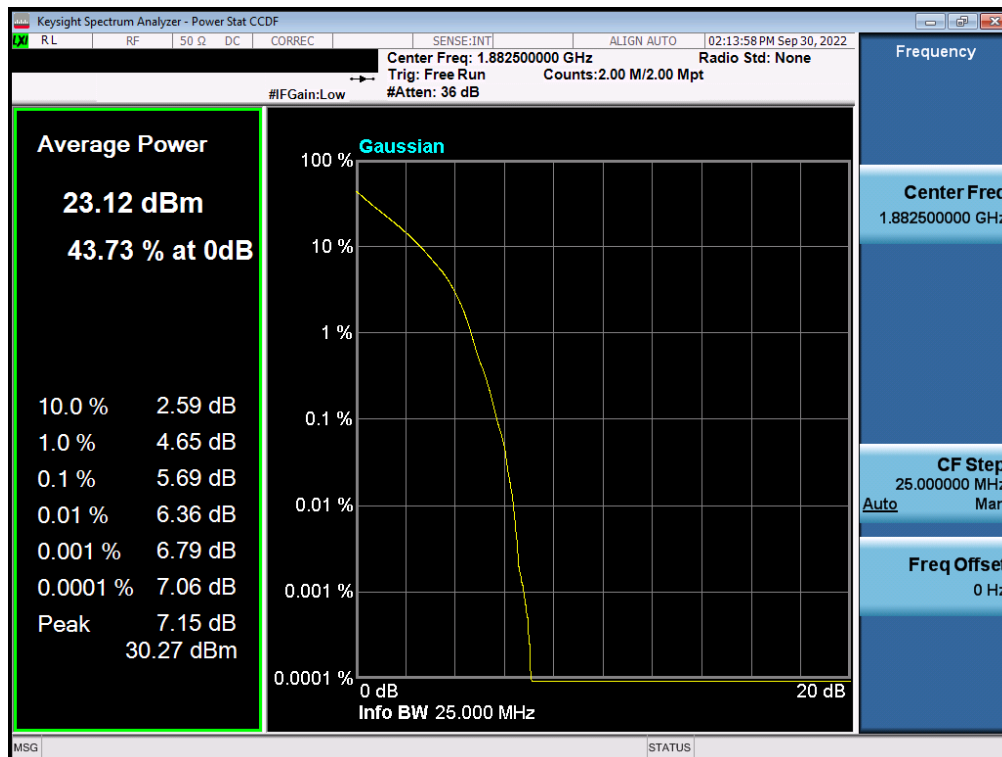


Plot 7-324. PAR Plot (NR Band n25/2 - 30.0MHz CP-OFDM 256-QAM - Full RB - ANT F)

FCC ID: A3LSMS918U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-06.A3L	Test Dates: 9/12/2022 - 11/08/2022	EUT Type: Portable Handset	Page 188 of 229

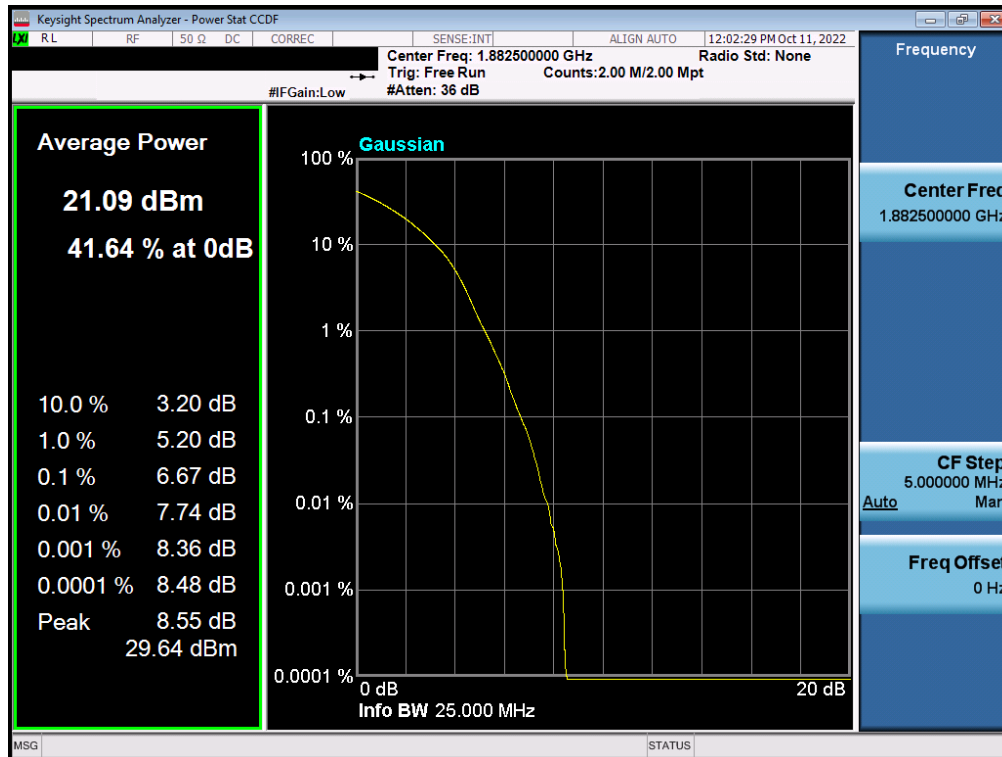


Plot 7-325. PAR Plot (NR Band n25/2 - 25.0MHz DFT-s-OFDM BPSK - Full RB - ANT F)

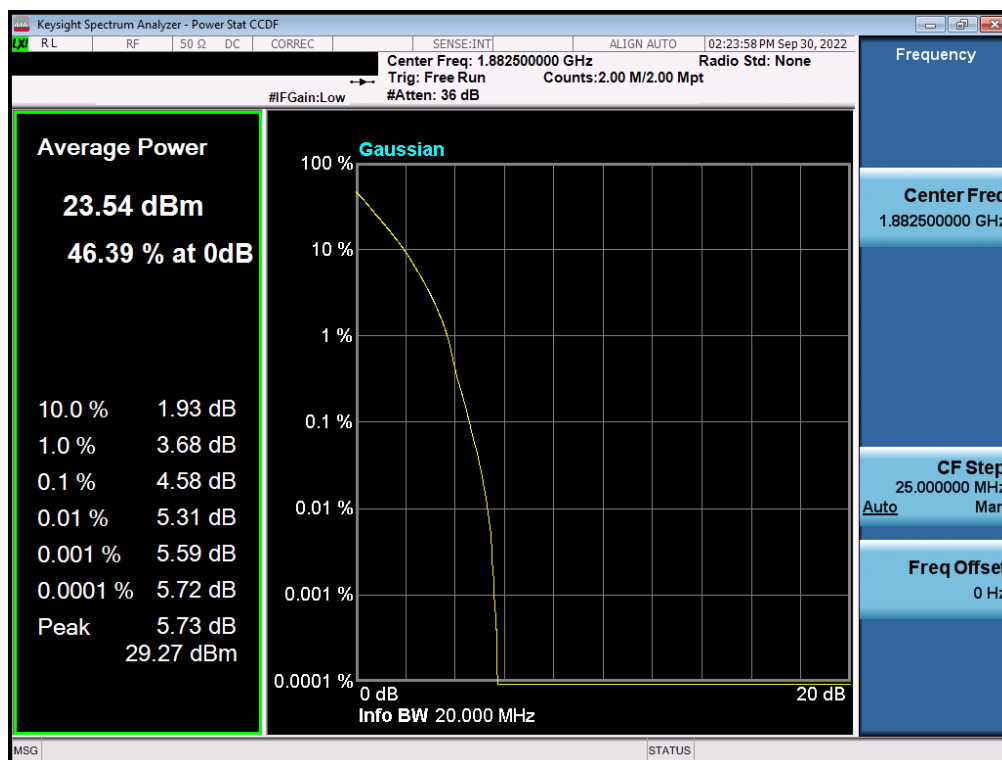


Plot 7-326. PAR Plot (NR Band n25/2 - 25.0MHz CP-OFDM QPSK - Full RB - ANT F)

FCC ID: A3LSMS918U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-06.A3L	Test Dates: 9/12/2022 - 11/08/2022	EUT Type: Portable Handset	Page 189 of 229

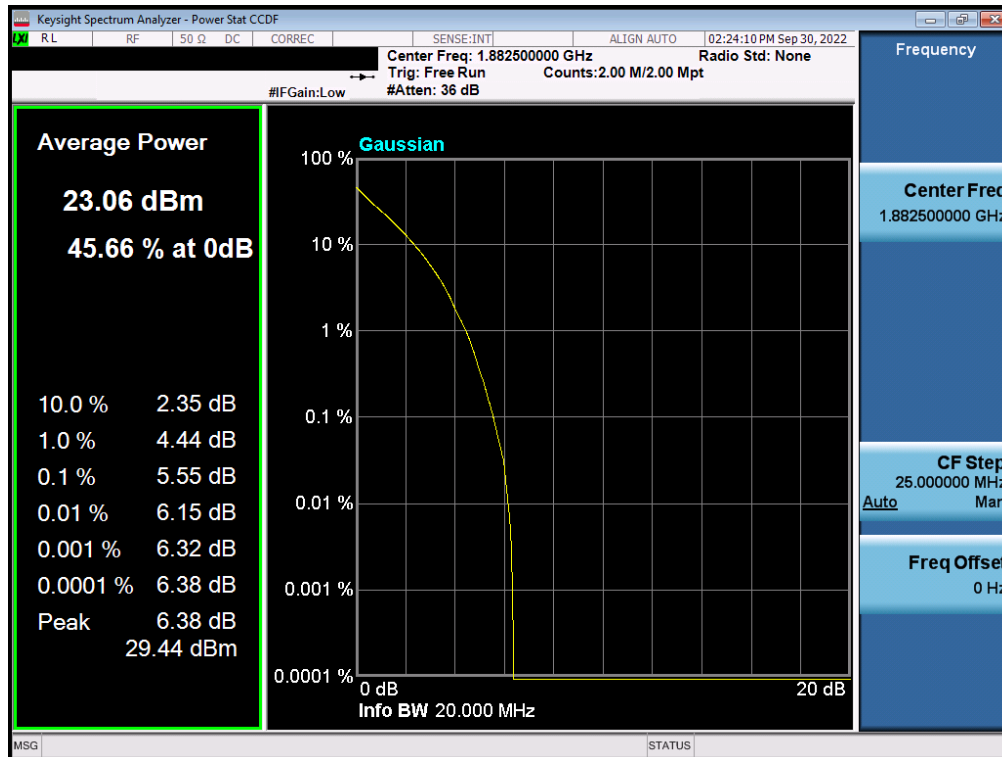


Plot 7-327. PAR Plot (NR Band n25/2 - 25MHz CP-OFDM 256-QAM - Full RB - ANT F)

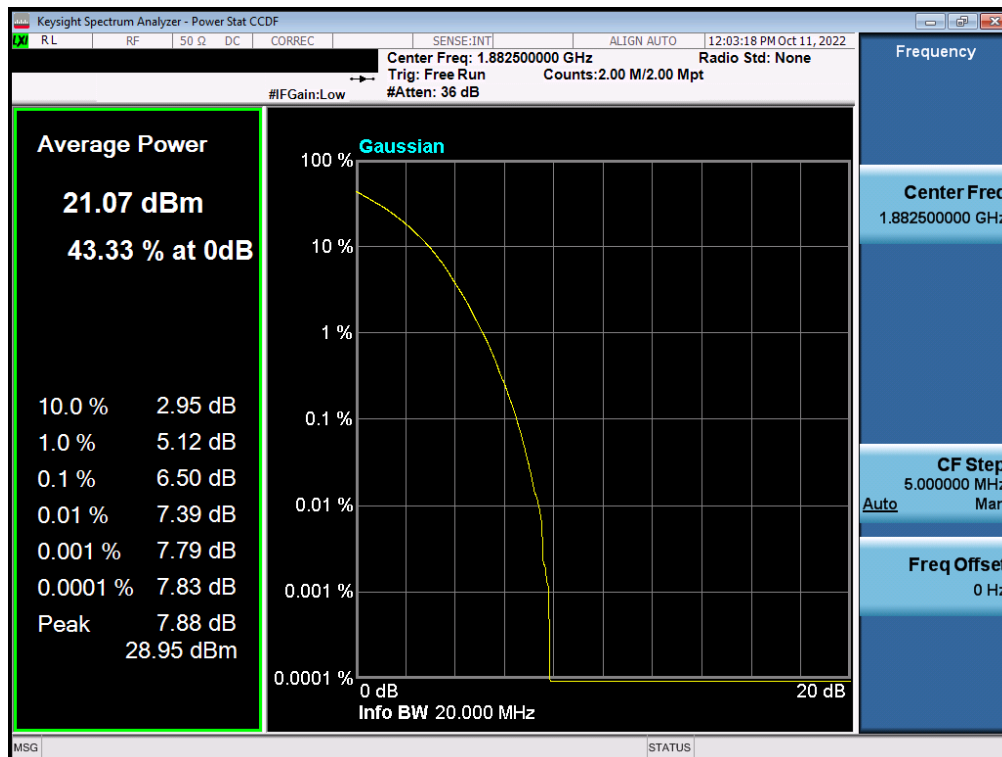


Plot 7-328. PAR Plot (NR Band n25/2 - 20.0MHz DFT-s-OFDM BPSK - Full RB - ANT F)

FCC ID: A3LSMS918U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-06.A3L	Test Dates: 9/12/2022 - 11/08/2022	EUT Type: Portable Handset	Page 190 of 229

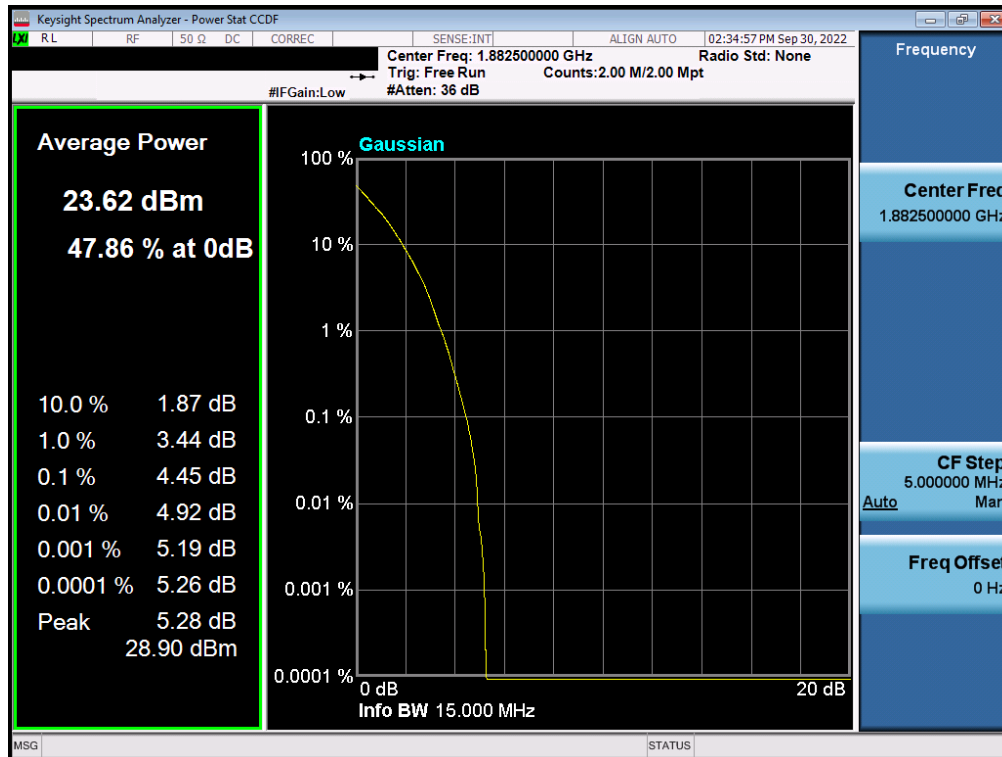


Plot 7-329. PAR Plot (NR Band n25/2 - 20.0MHz CP-OFDM QPSK - Full RB - ANT F)

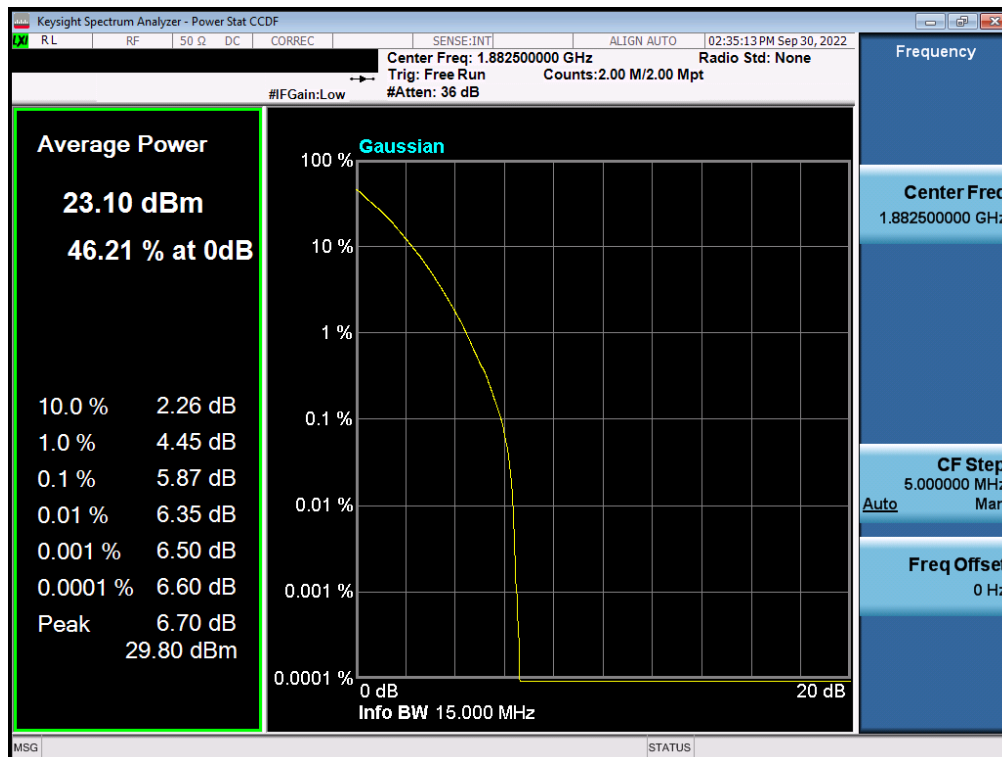


Plot 7-330. PAR Plot (NR Band n25/2 - 20.0MHz CP-OFDM 256-QAM - Full RB - ANT F)

FCC ID: A3LSMS918U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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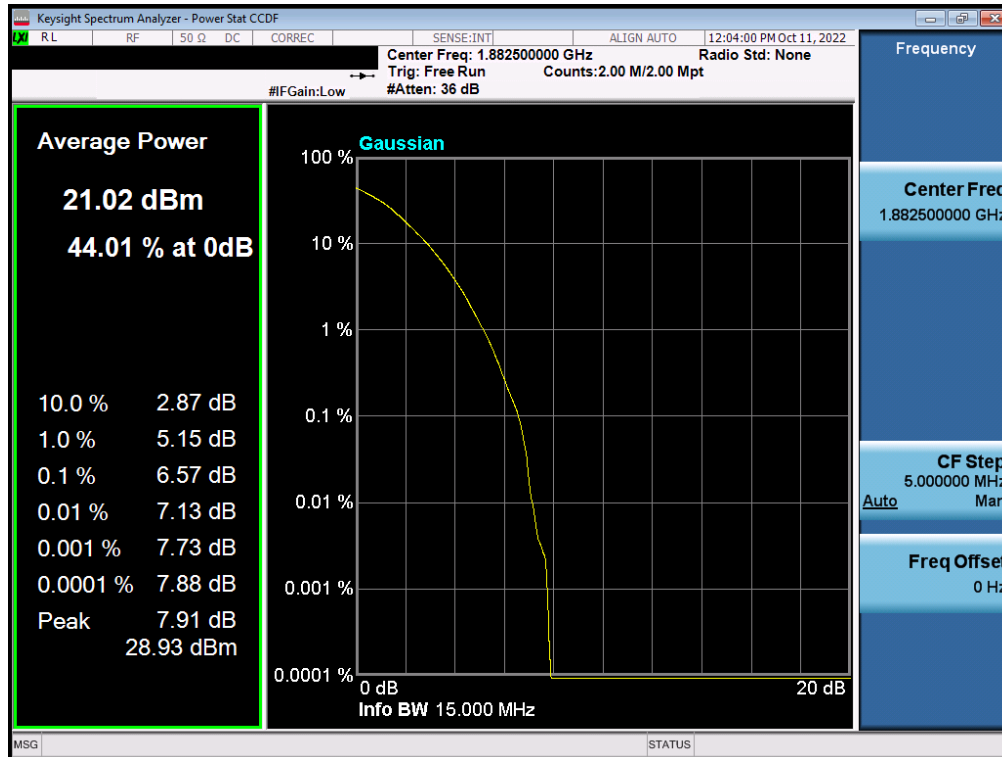
Plot 7-331. PAR Plot (NR Band n25/2 - 15.0MHz DFT-s-OFDM BPSK - Full RB - ANT F)



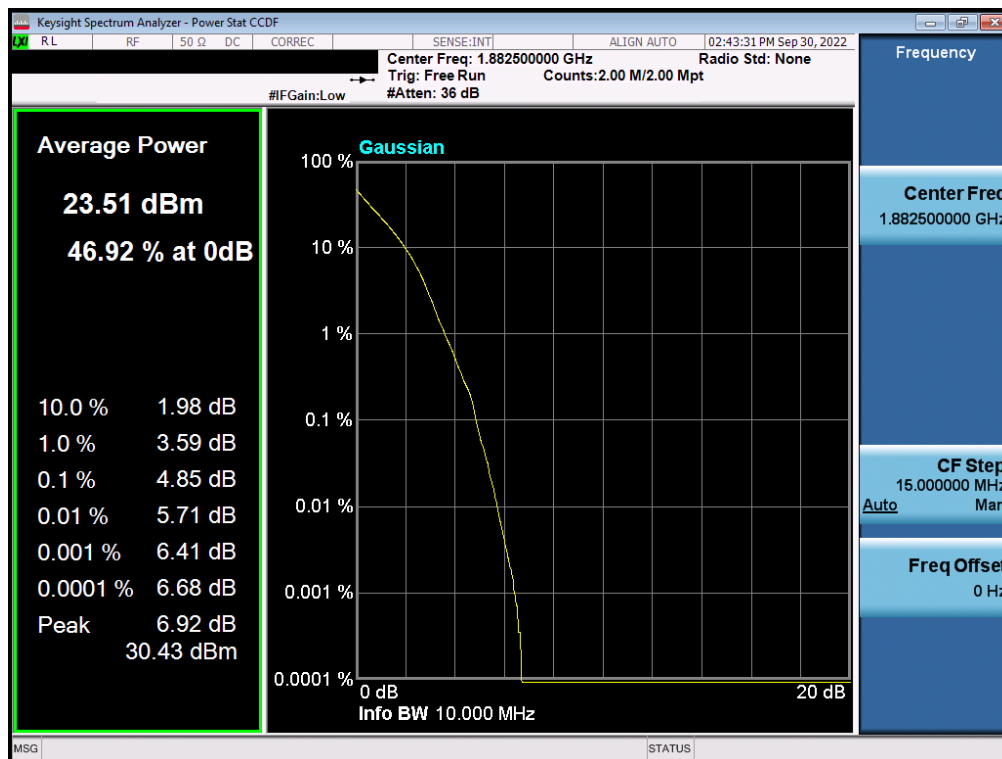
Plot 7-332. PAR Plot (NR Band n25/2 - 15.0MHz CP-OFDM QPSK - Full RB - ANT F)

FCC ID: A3LSMS918U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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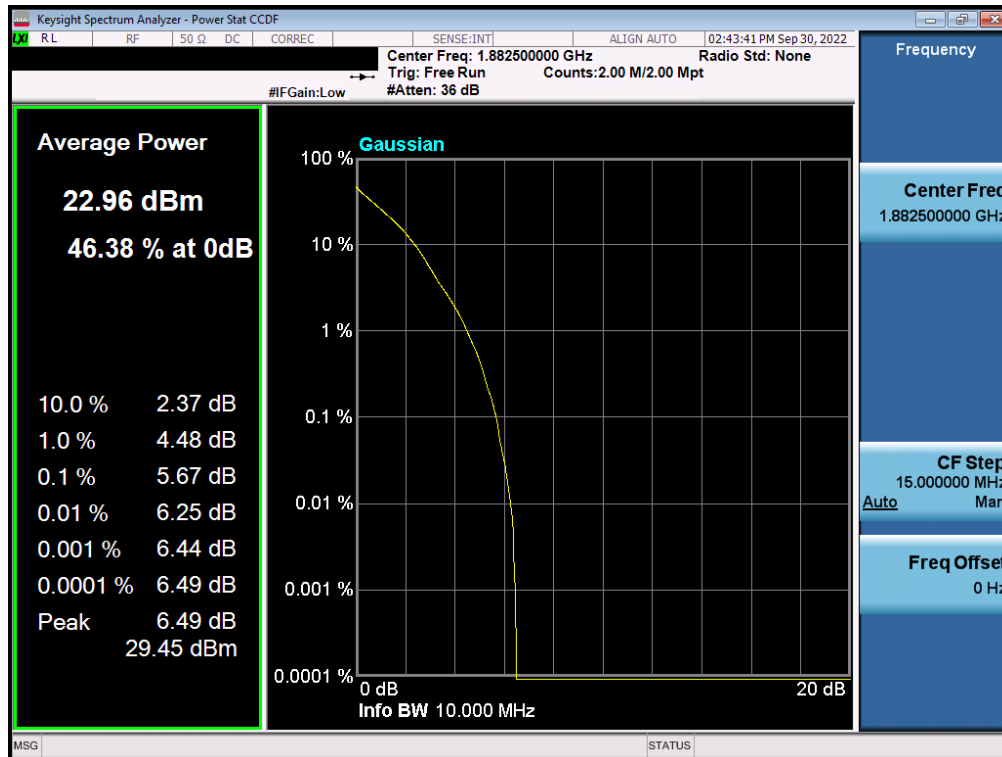


Plot 7-333. PAR Plot (NR Band n25/2 - 15.0MHz CP-OFDM 256-QAM - Full RB - ANT F)

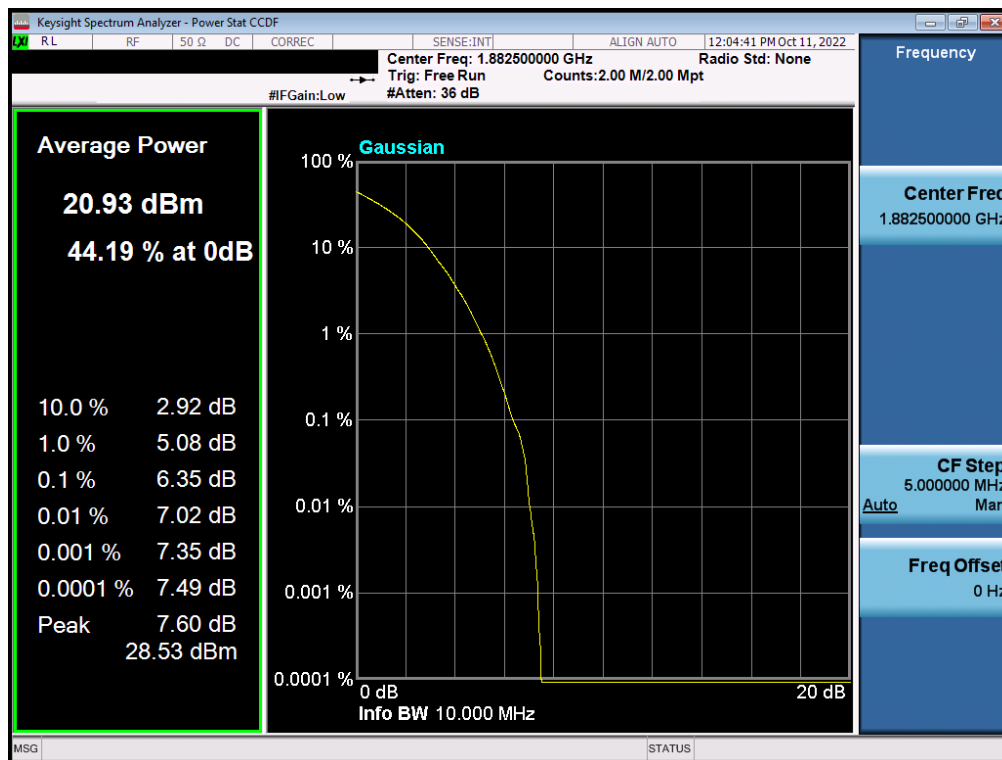


Plot 7-334. PAR Plot (NR Band n25/2 - 10.0MHz DFT-s-OFDM BPSK - Full RB - ANT F)

FCC ID: A3LSMS918U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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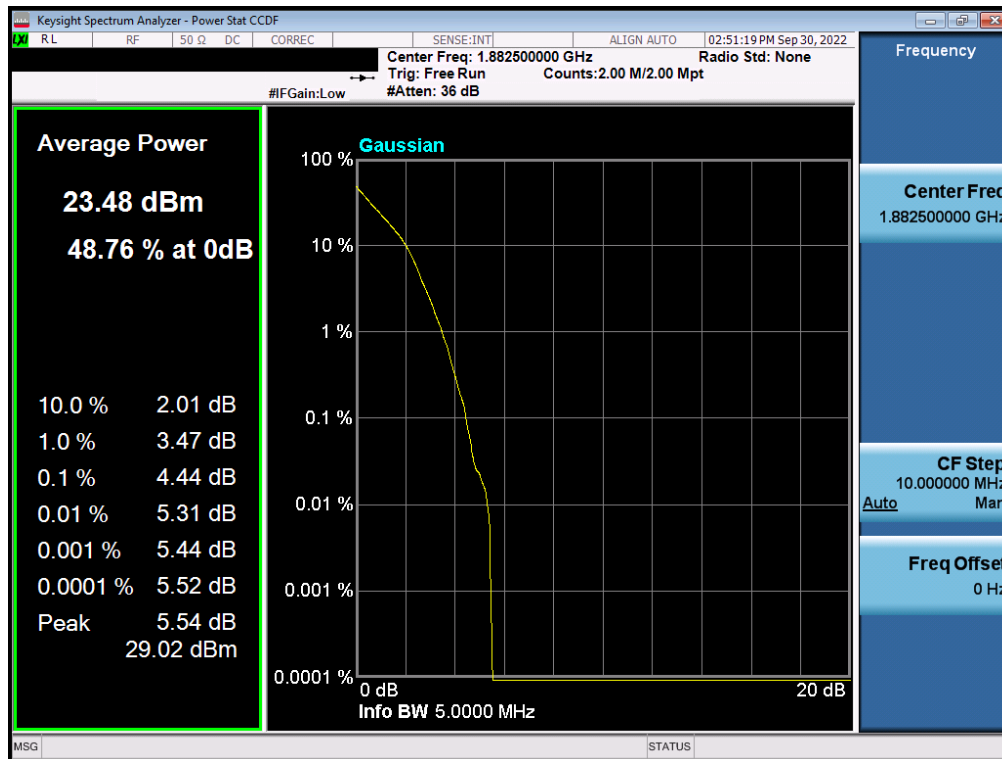


Plot 7-335. PAR Plot (NR Band n25/2 - 10.0MHz CP-OFDM QPSK - Full RB - ANT F)

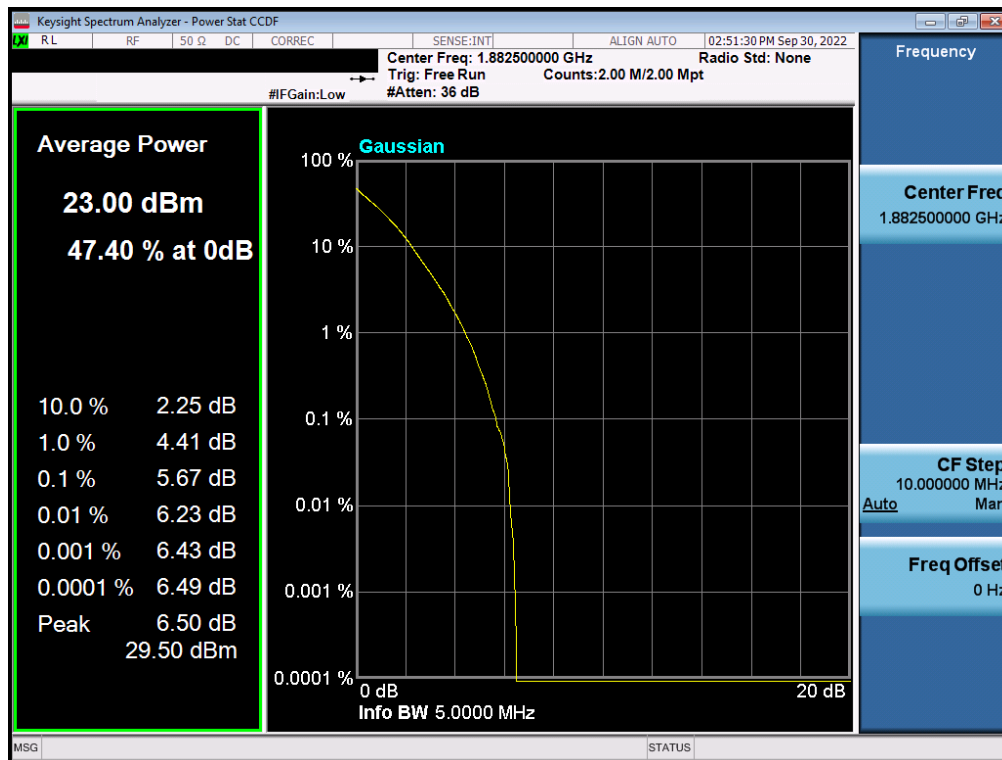


Plot 7-336. PAR Plot (NR Band n25/2 - 10.0MHz CP-OFDM 256-QAM - Full RB - ANT F)

FCC ID: A3LSMS918U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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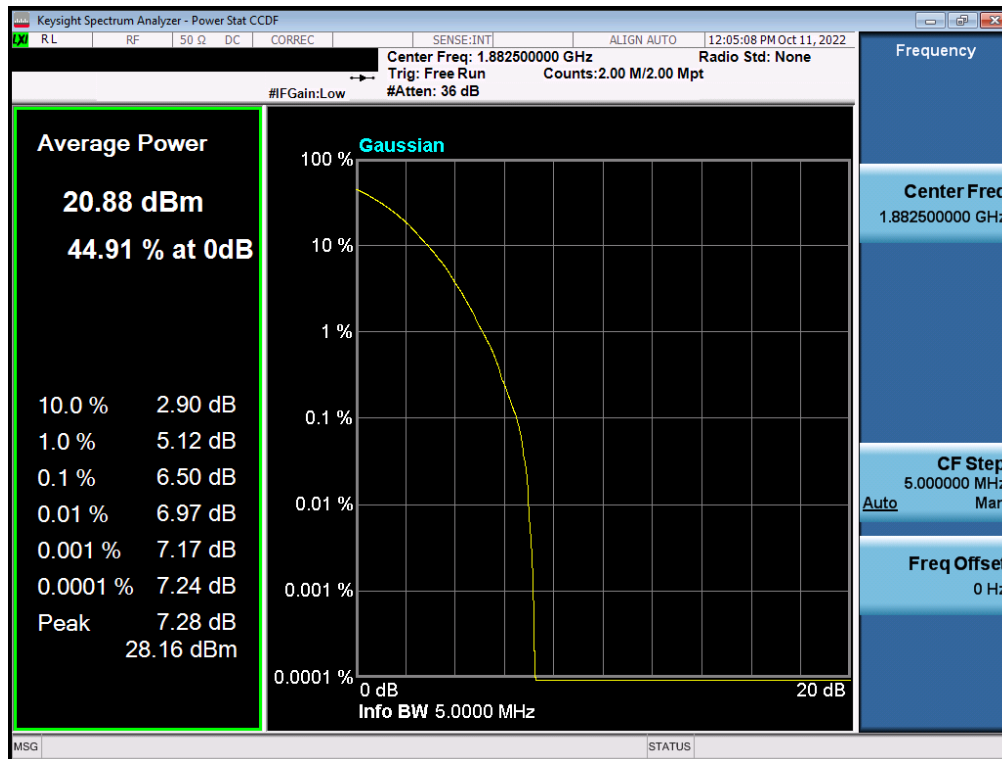


Plot 7-337. PAR Plot (NR Band n25/2 - 5.0MHz DFT-s-OFDM BPSK - Full RB - ANT F)



Plot 7-338. PAR Plot (NR Band n25/2 - 5.0MHz CP-OFDM QPSK - Full RB - ANT F)

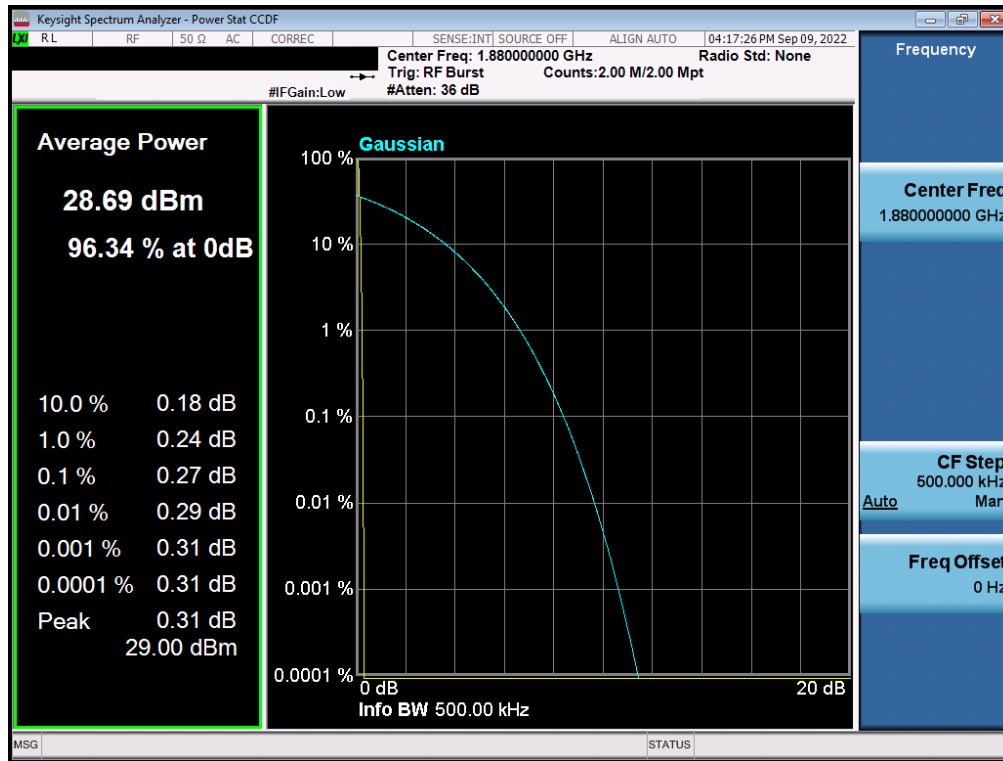
FCC ID: A3LSMS918U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-06.A3L	Test Dates: 9/12/2022 - 11/08/2022	EUT Type: Portable Handset	Page 195 of 229



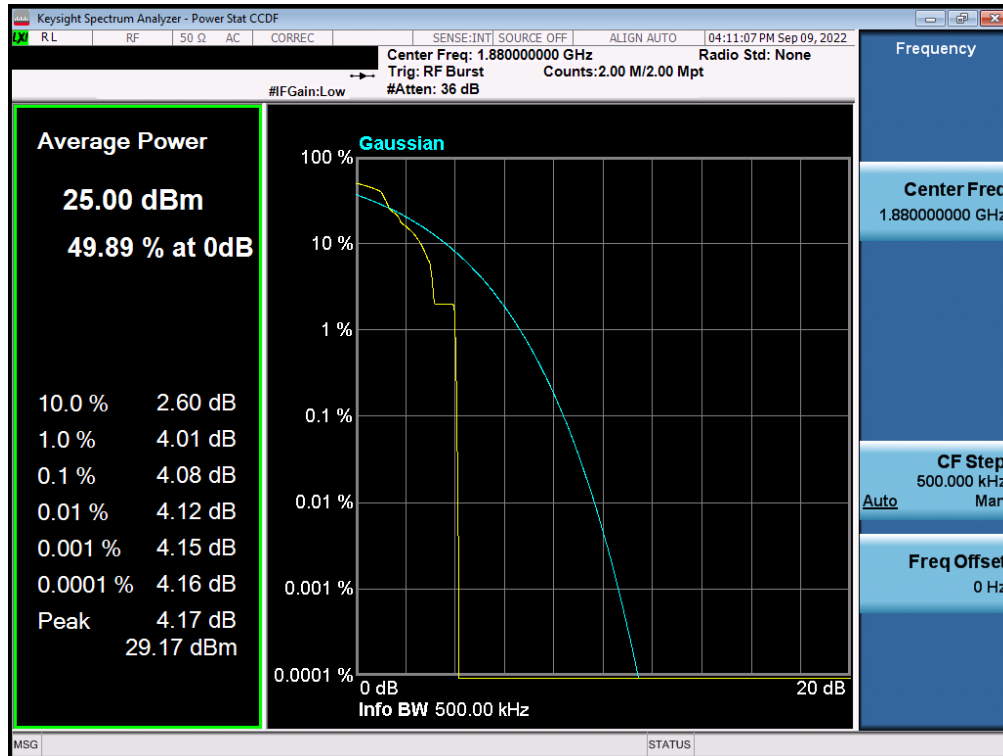
Plot 7-339. PAR Plot (NR Band n25/2 - 5.0MHz CP-OFDM 256-QAM - Full RB - ANT F)

FCC ID: A3LSMS918U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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## GSM/GPRS PCS – ANT A



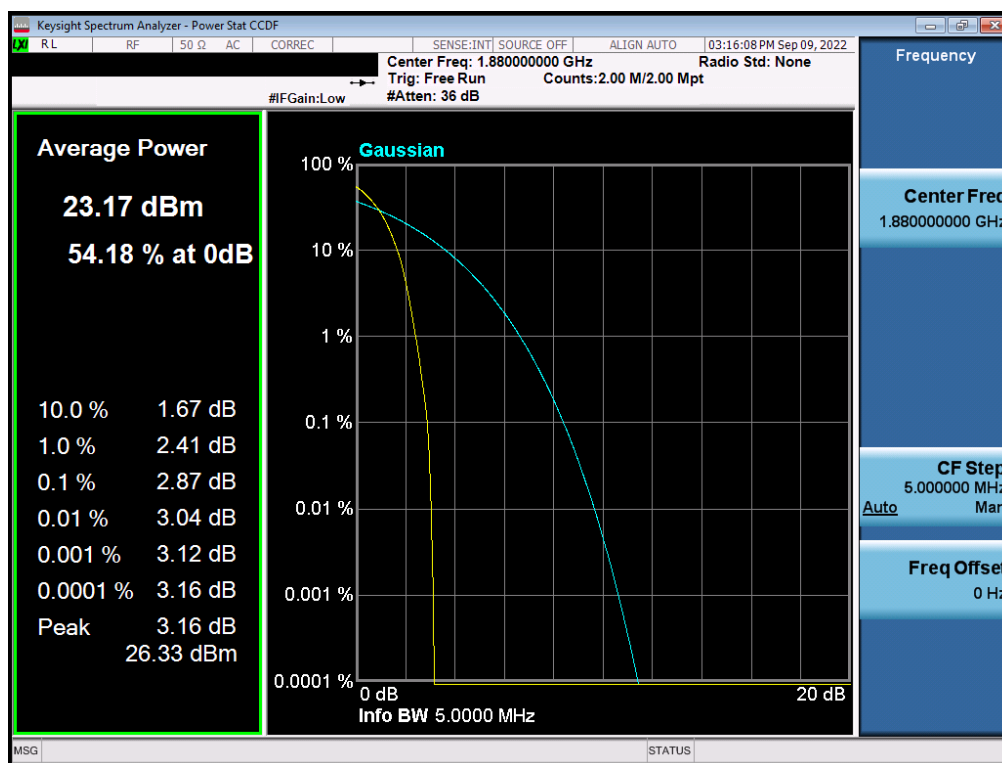
Plot 7-340. PAR Plot (GPRS, Ch. 661 - ANT A)



Plot 7-341. PAR Plot (EDGE, Ch. 661 - ANT A)

FCC ID: A3LSMS918U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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## WCDMA PCS – ANT A



Plot 7-342. PAR Plot (WCDMA, Ch. 9400 - ANT A)

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## 7.7 Radiated Power (EIRP)

### Test Overview

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

### Test Procedures Used

ANSI C63.26-2015 – Section 5.2.4.4

### Test Settings

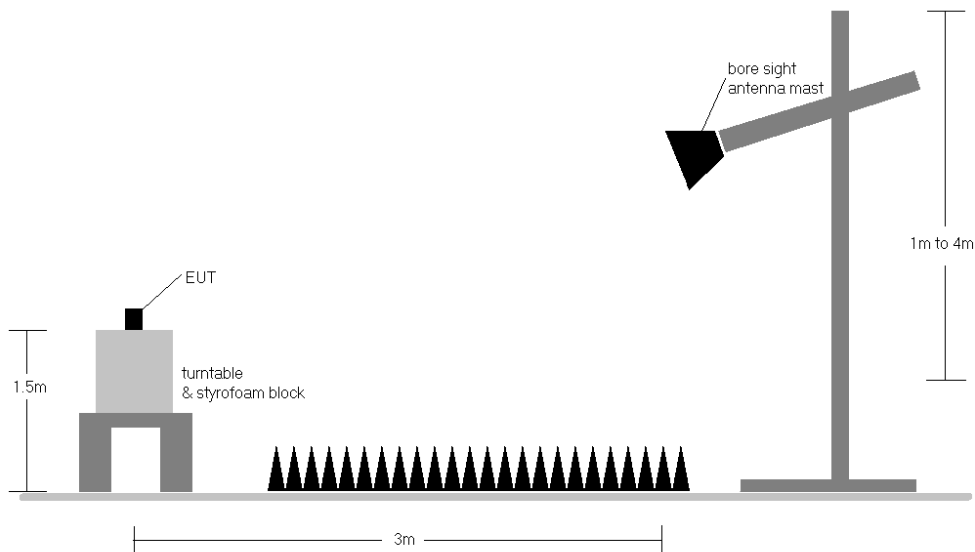
1. Radiated power measurements are performed using the signal analyzer's "channel power" measurement capability for signals with continuous operation. For signals with burst transmission, the signal analyzer's "time domain power" measurement capability is used
2. RBW = 1 – 5% of the expected OBW, not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

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## Test Setup

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



**Figure 7-6. Radiated Test Setup >1GHz**

## Test Notes

- 1) This device employs GSM, GPRS, and EDGE capabilities. The EUT was tested under all configurations and the highest powers are reported in GPRS mode while transmitting with one slot active.
- 2) This device employs UMTS technology with WCDMA (AMR/RMC) and HSDPA capabilities. The EUT was tested under all configurations and the highest powers are reported in WCDMA mode with HSDPA Inactive at 12.2 kbps RMC and TPC bits all set to "1".
- 3) 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.
- 4) This unit was tested with its standard battery.
- 5) 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.

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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]
20 MHz	QPSK	1860.00	H	139	169	9.55	1 / 99	10.35	19.90	0.098	33.01	-13.11
	QPSK	1882.50	H	137	186	9.83	1 / 0	10.32	20.15	0.104	33.01	-12.86
	QPSK	1905.00	H	171	173	10.16	1 / 50	11.16	<b>21.32</b>	0.135	33.01	-11.69
	16-QAM	1905.00	H	171	173	10.16	1 / 50	10.84	21.00	0.126	33.01	-12.01
15 MHz	QPSK	1857.50	H	139	169	9.51	1 / 74	10.49	20.01	0.100	33.01	-13.00
	QPSK	1882.50	H	137	186	9.83	1 / 37	10.35	20.19	0.104	33.01	-12.82
	QPSK	1907.50	H	171	173	10.21	1 / 37	10.99	<b>21.19</b>	0.132	33.01	-11.82
	16-QAM	1907.50	H	171	173	10.21	1 / 37	10.85	21.05	0.127	33.01	-11.96
10 MHz	QPSK	1855.00	H	139	169	9.48	1 / 0	10.67	20.15	0.103	33.01	-12.86
	QPSK	1882.50	H	137	186	9.83	1 / 49	10.49	20.32	0.108	33.01	-12.69
	QPSK	1910.00	H	171	173	10.25	1 / 0	11.28	<b>21.53</b>	0.142	33.01	-11.48
	16-QAM	1910.00	H	171	173	10.25	1 / 0	11.12	21.37	0.137	33.01	-11.64
5 MHz	QPSK	1852.50	H	139	169	9.44	1 / 12	10.65	20.10	0.102	33.01	-12.91
	QPSK	1882.50	H	137	186	9.83	1 / 12	10.63	20.46	0.111	33.01	-12.55
	QPSK	1912.50	H	171	173	10.28	1 / 12	11.31	<b>21.59</b>	0.144	33.01	-11.42
	16-QAM	1912.50	H	171	173	10.28	1 / 12	11.06	21.33	0.136	33.01	-11.68
3 MHz	QPSK	1851.50	H	139	169	9.43	1 / 0	10.59	20.02	0.100	33.01	-12.99
	QPSK	1882.50	H	137	186	9.83	1 / 7	10.50	20.33	0.108	33.01	-12.68
	QPSK	1913.50	H	171	173	10.29	1 / 0	11.19	<b>21.48</b>	0.141	33.01	-11.53
	16-QAM	1913.50	H	171	173	10.29	1 / 0	10.97	21.25	0.133	33.01	-11.76
1.4 MHz	QPSK	1850.70	H	139	169	9.42	1 / 0	10.65	20.07	0.102	33.01	-12.94
	QPSK	1882.50	H	137	186	9.83	1 / 0	10.54	20.38	0.109	33.01	-12.63
	QPSK	1914.30	H	171	173	10.30	1 / 0	11.21	<b>21.51</b>	0.142	33.01	-11.50
	16-QAM	1914.30	H	171	173	10.30	1 / 0	10.91	21.21	0.132	33.01	-11.80
20 MHz	Opposite Pol.	1905.00	V	169	92	10.18	1 / 50	10.42	20.60	0.115	33.01	-12.41
	WCP	1905.00	H	262	175	10.16	1 / 50	9.32	19.48	0.089	33.01	-13.53

Table 10. EIRP Data (LTE Band 25/2 – ANT A)

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	1860.00	H	150	303	9.55	1 / 0	7.47	17.02	0.050	33.01	-15.99
	QPSK	1882.50	H	153	298	9.83	1 / 99	7.72	17.55	0.057	33.01	-15.46
	QPSK	1905.00	H	146	295	10.16	1 / 50	8.45	<b>18.61</b>	0.073	33.01	-14.40
	16-QAM	1905.00	H	146	295	10.16	1 / 50	7.85	18.01	0.063	33.01	-15.00
15 MHz	QPSK	1857.50	H	150	303	9.51	1 / 74	7.43	16.94	0.049	33.01	-16.07
	QPSK	1882.50	H	153	298	9.83	1 / 37	7.77	17.60	0.058	33.01	-15.41
	QPSK	1907.50	H	146	295	10.21	1 / 74	8.22	<b>18.43</b>	0.070	33.01	-14.58
	16-QAM	1907.50	H	146	295	10.21	1 / 74	7.58	17.78	0.060	33.01	-15.23
10 MHz	QPSK	1855.00	H	150	303	9.48	1 / 25	7.59	17.07	0.051	33.01	-15.94
	QPSK	1882.50	H	153	298	9.83	1 / 25	7.91	17.75	0.060	33.01	-15.26
	QPSK	1910.00	H	146	295	10.25	1 / 49	8.45	<b>18.70</b>	0.074	33.01	-14.31
	16-QAM	1910.00	H	146	295	10.25	1 / 49	7.74	17.99	0.063	33.01	-15.02
5 MHz	QPSK	1852.50	H	150	303	9.44	1 / 24	7.68	17.12	0.052	33.01	-15.89
	QPSK	1882.50	H	153	298	9.83	1 / 12	7.96	17.80	0.060	33.01	-15.21
	QPSK	1912.50	H	146	295	10.28	1 / 0	8.44	<b>18.71</b>	0.074	33.01	-14.30
	16-QAM	1912.50	H	146	295	10.28	1 / 0	8.36	18.64	0.073	33.01	-14.37
3 MHz	QPSK	1851.50	H	150	303	9.43	1 / 14	7.52	16.95	0.050	33.01	-16.06
	QPSK	1882.50	H	153	298	9.83	1 / 7	7.89	17.73	0.059	33.01	-15.28
	QPSK	1913.50	H	146	295	10.29	1 / 7	8.29	<b>18.58</b>	0.072	33.01	-14.43
	16-QAM	1913.50	H	146	295	10.29	1 / 7	7.61	17.90	0.062	33.01	-15.11
1.4 MHz	QPSK	1850.70	H	150	303	9.42	1 / 3	7.75	17.17	0.052	33.01	-15.84
	QPSK	1882.50	H	153	298	9.83	1 / 0	7.93	17.76	0.060	33.01	-15.25
	QPSK	1914.30	H	146	295	10.30	1 / 5	8.27	<b>18.56</b>	0.072	33.01	-14.45
	16-QAM	1914.30	H	146	295	10.30	1 / 5	7.84	18.13	0.065	33.01	-14.88
20 MHz	Opposite Pol.	1905.00	V	153	255	10.18	1 / 50	7.14	17.32	0.054	33.01	-15.69
	WCP	1905.00	H	143	297	10.16	1 / 50	8.21	18.37	0.069	33.01	-14.64

Table 11. EIRP Data (LTE Band 25/2 – ANT F)

FCC ID: A3LSMS918U	PART 24 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]
40 MHz	$\pi/2$ BPSK	1870.00	V	123	262	9.75	1 / 161	13.64	23.39	0.218	33.01	-9.62
	$\pi/2$ BPSK	1882.50	V	130	266	9.99	1 / 54	13.72	23.71	0.235	33.01	-9.30
	$\pi/2$ BPSK	1895.00	V	123	262	10.12	1 / 54	13.74	<b>23.86</b>	0.243	33.01	-9.15
	QPSK	1870.00	V	123	262	9.75	1 / 161	13.31	23.06	0.202	33.01	-9.95
	QPSK	1882.50	V	130	266	9.99	1 / 54	13.57	23.56	0.227	33.01	-9.45
	QPSK	1895.00	V	123	262	10.12	1 / 54	13.70	23.82	0.241	33.01	-9.19
30 MHz	16-QAM	1895.00	V	123	262	10.12	1 / 54	12.96	23.08	0.203	33.01	-9.93
	$\pi/2$ BPSK	1865.00	V	123	262	9.72	1 / 80	13.84	23.55	0.227	33.01	-9.46
	$\pi/2$ BPSK	1882.50	V	130	266	9.99	1 / 80	13.76	23.75	0.237	33.01	-9.26
	$\pi/2$ BPSK	1900.00	V	123	262	10.16	1 / 119	13.73	<b>23.89</b>	0.245	33.01	-9.12
	QPSK	1865.00	V	123	262	9.72	1 / 80	13.20	22.91	0.195	33.01	-10.10
	QPSK	1882.50	V	130	266	9.99	1 / 80	13.51	23.50	0.224	33.01	-9.51
25 MHz	QPSK	1900.00	V	123	262	10.16	1 / 119	13.66	23.83	0.241	33.01	-9.18
	16-QAM	1900.00	V	123	262	10.16	1 / 119	12.89	23.05	0.202	33.01	-9.96
	$\pi/2$ BPSK	1862.50	V	123	262	9.70	1 / 99	13.57	23.27	0.212	33.01	-9.74
	$\pi/2$ BPSK	1882.50	V	130	266	9.99	1 / 99	13.63	23.62	0.230	33.01	-9.39
	$\pi/2$ BPSK	1902.50	V	123	262	10.17	1 / 33	13.55	<b>23.72</b>	0.235	33.01	-9.29
	QPSK	1862.50	V	123	262	9.70	1 / 99	13.32	23.02	0.200	33.01	-9.99
20 MHz	QPSK	1882.50	V	130	266	9.99	1 / 99	13.40	23.39	0.218	33.01	-9.62
	QPSK	1902.50	V	123	262	10.17	1 / 33	13.48	23.65	0.232	33.01	-9.36
	16-QAM	1902.50	V	123	262	10.17	1 / 33	12.65	22.83	0.192	33.01	-10.19
	$\pi/2$ BPSK	1860.00	V	123	262	9.68	1 / 26	13.63	23.31	0.214	33.01	-9.70
	$\pi/2$ BPSK	1882.50	V	130	266	9.99	1 / 79	13.73	23.72	0.236	33.01	-9.29
	$\pi/2$ BPSK	1905.00	V	123	262	10.18	1 / 26	13.56	<b>23.74</b>	0.236	33.01	-9.27
15 MHz	QPSK	1860.00	V	123	262	9.68	1 / 26	13.31	22.98	0.199	33.01	-10.03
	QPSK	1882.50	V	130	266	9.99	1 / 79	13.52	23.51	0.224	33.01	-9.50
	QPSK	1905.00	V	123	262	10.18	1 / 26	13.50	23.68	0.234	33.01	-9.33
	16-QAM	1905.00	V	123	262	10.18	1 / 26	12.70	22.89	0.194	33.01	-10.12
	$\pi/2$ BPSK	1857.50	V	123	262	9.66	1 / 58	13.61	23.27	0.212	33.01	-9.74
	$\pi/2$ BPSK	1882.50	V	130	266	9.99	1 / 58	13.73	23.72	0.236	33.01	-9.29
10 MHz	$\pi/2$ BPSK	1907.50	V	123	262	10.19	1 / 58	13.76	<b>23.95</b>	0.248	33.01	-9.06
	QPSK	1857.50	V	123	262	9.66	1 / 58	13.52	23.18	0.208	33.01	-9.83
	QPSK	1882.50	V	130	266	9.99	1 / 58	13.64	23.63	0.231	33.01	-9.38
	QPSK	1907.50	V	123	262	10.19	1 / 58	13.30	23.50	0.224	33.01	-9.51
	16-QAM	1907.50	V	123	262	10.19	1 / 58	12.60	22.79	0.190	33.01	-10.22
	$\pi/2$ BPSK	1855.00	V	123	262	9.64	1 / 13	13.68	23.32	0.215	33.01	-9.69
5 MHz	$\pi/2$ BPSK	1882.50	V	130	266	9.99	1 / 13	13.75	<b>23.73</b>	0.236	33.01	-9.28
	$\pi/2$ BPSK	1910.00	V	123	262	10.20	1 / 38	13.49	23.69	0.234	33.01	-9.32
	QPSK	1855.00	V	123	262	9.64	1 / 38	13.32	22.96	0.198	33.01	-10.05
	QPSK	1882.50	V	130	266	9.99	1 / 13	13.44	23.43	0.220	33.01	-9.59
	QPSK	1910.00	V	123	262	10.20	1 / 38	13.37	23.57	0.227	33.01	-9.44
	16-QAM	1910.00	V	123	262	10.20	1 / 38	12.63	22.84	0.192	33.01	-10.17
40 MHz	$\pi/2$ BPSK	1852.50	V	123	262	9.63	1 / 18	13.59	23.22	0.210	33.01	-9.80
	$\pi/2$ BPSK	1882.50	V	130	266	9.99	1 / 18	13.72	23.71	0.235	33.01	-9.30
	$\pi/2$ BPSK	1912.50	V	123	262	10.21	1 / 6	13.63	<b>23.84</b>	0.242	33.01	-9.17
	QPSK	1852.50	V	123	262	9.63	1 / 18	13.44	23.07	0.203	33.01	-9.94
	QPSK	1882.50	V	130	266	9.99	1 / 18	13.34	23.33	0.215	33.01	-9.68
	QPSK	1912.50	V	123	262	10.21	1 / 18	13.48	23.69	0.234	33.01	-9.32
40 MHz	16-QAM	1912.50	V	123	262	10.21	1 / 18	12.56	22.77	0.189	33.01	-10.24
	QPSK (CP-OFDM)	1895.00	V	120	268	10.12	1/108	12.18	22.30	0.170	33.01	-10.71
	QPSK (Opposite Pol.)	1895.00	H	108	361	10.01	1/108	13.07	23.08	0.203	33.01	-9.93
40 MHz	QPSK (WCP)	1895.00	V	120	268	10.12	1/54	12.16	22.28	0.169	33.01	-10.73

Table 12. EIRP Data (NR Band n25/2 – ANT A)

FCC ID: A3LSMS918U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-06.A3L	Test Dates: 9/12/2022 - 11/08/2022	EUT Type: Portable Handset	Page 202 of 229

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	1870.00	V	140	316	9.75	1 / 54	12.18	21.93	0.156	33.01	-11.08
	$\pi/2$ BPSK	1882.50	V	143	321	9.99	1 / 54	11.79	21.78	0.151	33.01	-11.23
	$\pi/2$ BPSK	1895.00	V	133	318	10.12	1 / 54	12.20	<b>22.32</b>	0.171	33.01	-10.69
	QPSK	1870.00	V	140	316	9.75	1 / 54	12.07	21.82	0.152	33.01	-11.19
	QPSK	1882.50	V	143	321	9.99	1 / 54	11.60	21.59	0.144	33.01	-11.42
	QPSK	1895.00	V	133	318	10.12	1 / 54	12.01	22.13	0.163	33.01	-10.88
30 MHz	16-QAM	1895.00	V	133	318	10.12	1 / 54	11.20	21.32	0.136	33.01	-11.69
	$\pi/2$ BPSK	1865.00	V	140	316	9.72	1 / 119	12.35	22.07	0.161	33.01	-10.95
	$\pi/2$ BPSK	1882.50	V	143	321	9.99	1 / 40	11.97	21.95	0.157	33.01	-11.06
	$\pi/2$ BPSK	1900.00	V	133	318	10.16	1 / 80	12.03	<b>22.20</b>	0.166	33.01	-10.81
	QPSK	1865.00	V	140	316	9.72	1 / 119	11.97	21.69	0.147	33.01	-11.33
	QPSK	1882.50	V	143	321	9.99	1 / 40	11.62	21.61	0.145	33.01	-11.40
25 MHz	QPSK	1900.00	V	133	318	10.16	1 / 80	11.79	21.95	0.157	33.01	-11.06
	16-QAM	1900.00	V	133	318	10.16	1 / 80	11.08	21.25	0.133	33.01	-11.76
	$\pi/2$ BPSK	1862.50	V	140	316	9.70	1 / 66	12.26	21.95	0.157	33.01	-11.06
	$\pi/2$ BPSK	1882.50	V	143	321	9.99	1 / 66	11.74	21.73	0.149	33.01	-11.28
	$\pi/2$ BPSK	1902.50	V	133	318	10.17	1 / 99	12.09	<b>22.27</b>	0.168	33.01	-10.74
	QPSK	1862.50	V	140	316	9.70	1 / 66	12.04	21.74	0.149	33.01	-11.27
20 MHz	QPSK	1882.50	V	143	321	9.99	1 / 66	11.42	21.40	0.138	33.01	-11.61
	QPSK	1902.50	V	133	318	10.17	1 / 99	11.90	22.07	0.161	33.01	-10.94
	16-QAM	1902.50	V	133	318	10.17	1 / 99	11.27	21.44	0.139	33.01	-11.57
	$\pi/2$ BPSK	1860.00	V	140	316	9.68	1 / 26	12.14	21.81	0.152	33.01	-11.20
	$\pi/2$ BPSK	1882.50	V	143	321	9.99	1 / 26	11.71	21.70	0.148	33.01	-11.31
	$\pi/2$ BPSK	1905.00	V	133	318	10.18	1 / 53	12.06	<b>22.24</b>	0.168	33.01	-10.77
15 MHz	QPSK	1860.00	V	140	316	9.68	1 / 26	11.90	21.57	0.144	33.01	-11.44
	QPSK	1882.50	V	143	321	9.99	1 / 26	11.52	21.50	0.141	33.01	-11.51
	QPSK	1905.00	V	133	318	10.18	1 / 53	11.94	22.12	0.163	33.01	-10.89
	16-QAM	1905.00	V	133	318	10.18	1 / 53	11.17	21.35	0.137	33.01	-11.66
	$\pi/2$ BPSK	1857.50	V	140	316	9.66	1 / 20	12.17	21.83	0.152	33.01	-11.18
	$\pi/2$ BPSK	1882.50	V	143	321	9.99	1 / 20	11.81	21.80	0.151	33.01	-11.21
10 MHz	$\pi/2$ BPSK	1907.50	V	133	318	10.19	1 / 20	12.29	<b>22.48</b>	0.177	33.01	-10.53
	QPSK	1857.50	V	140	316	9.66	1 / 20	11.94	21.59	0.144	33.01	-11.42
	QPSK	1882.50	V	143	321	9.99	1 / 39	11.56	21.55	0.143	33.01	-11.46
	QPSK	1907.50	V	133	318	10.19	1 / 20	12.01	22.20	0.166	33.01	-10.81
	16-QAM	1907.50	V	133	318	10.19	1 / 20	11.08	21.27	0.134	33.01	-11.74
	$\pi/2$ BPSK	1855.00	V	140	316	9.64	1 / 26	12.15	21.79	0.151	33.01	-11.22
5 MHz	$\pi/2$ BPSK	1882.50	V	143	321	9.99	1 / 26	11.80	21.79	0.151	33.01	-11.22
	$\pi/2$ BPSK	1910.00	V	133	318	10.20	1 / 26	11.89	<b>22.09</b>	0.162	33.01	-10.92
	QPSK	1855.00	V	140	316	9.64	1 / 26	11.96	21.61	0.145	33.01	-11.40
	QPSK	1882.50	V	143	321	9.99	1 / 26	11.57	21.55	0.143	33.01	-11.46
	QPSK	1910.00	V	133	318	10.20	1 / 26	11.74	21.94	0.156	33.01	-11.07
	16-QAM	1910.00	V	133	318	10.20	1 / 26	11.03	21.23	0.133	33.01	-11.78
40 MHz	$\pi/2$ BPSK	1852.50	V	140	316	9.63	1 / 18	12.34	21.96	0.157	33.01	-11.05
	$\pi/2$ BPSK	1882.50	V	143	321	9.99	1 / 18	11.66	21.65	0.146	33.01	-11.36
	$\pi/2$ BPSK	1912.50	V	133	318	10.21	1 / 18	11.99	<b>22.20</b>	0.166	33.01	-10.82
	QPSK	1852.50	V	140	316	9.63	1 / 18	11.95	21.58	0.144	33.01	-11.43
	QPSK	1882.50	V	143	321	9.99	1 / 18	11.72	21.70	0.148	33.01	-11.31
	QPSK	1912.50	V	133	318	10.21	1 / 18	11.71	21.91	0.155	33.01	-11.10
40 MHz	16-QAM	1912.50	V	133	318	10.21	1 / 18	10.91	21.12	0.129	33.01	-11.89
	QPSK (CP-OFDM)	1895.00	V	133	318	10.12	1/54	10.42	20.54	0.113	33.01	-12.47
	QPSK (Opposite Pol.)	1895.00	H	158	300	10.01	1/54	11.56	21.57	0.143	33.01	-11.44
40 MHz	QPSK (WCP)	1895.00	V	133	318	10.12	1/54	9.29	19.41	0.087	33.01	-13.60

Table 13. EIRP Data (NR Band n25/2 – ANT F)

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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]
1850.20	GSM1900	V	109	277	20.02	9.41	29.43	0.878	33.01	-3.58
1880.00	GSM1900	V	141	15	18.60	9.79	28.39	0.691	33.01	-4.62
1909.80	GSM1900	V	128	332	19.25	10.25	<b>29.50</b>	<b>0.891</b>	33.01	-3.51
1909.80	GSM1900	H	107	6	18.66	10.25	28.91	0.778	33.01	-4.10
1909.80	EDGE1900	V	128	332	15.06	10.25	<b>25.31</b>	0.339	33.01	-7.70
1909.80	GSM1900 (WCP)	V	167	59	16.77	10.25	27.02	0.503	33.01	-5.99

**Table 14. EIRP Data (GPRS PCS – ANT A)**

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]
1852.40	WCDMA1900	V	199	25	13.55	9.44	22.99	0.199	33.01	-10.02
1880.00	WCDMA1900	V	202	16	13.33	9.79	<b>23.12</b>	<b>0.205</b>	33.01	-9.89
1907.60	WCDMA1900	V	191	41	12.75	10.21	22.96	0.198	33.01	-10.05
1880.00	WCDMA1900	H	112	15	12.94	9.79	22.73	0.188	33.01	-10.28
1880.00	WCDMA1900 (WCP)	V	190	45	11.89	9.79	21.68	0.147	33.01	-11.33

**Table 15. EIRP Data (WCDMA PCS – ANT A)**

<b>FCC ID:</b> A3LSMS918U	<b>PART 24 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2209010098-06.A3L	<b>Test Dates:</b> 9/12/2022 - 11/08/2022	<b>EUT Type:</b> Portable Handset	Page 204 of 229

## 7.8 Radiated Spurious Emissions Measurements

### Test Overview

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

### Test Procedures Used

ANSI C63.26-2015 – Section 5.5.4

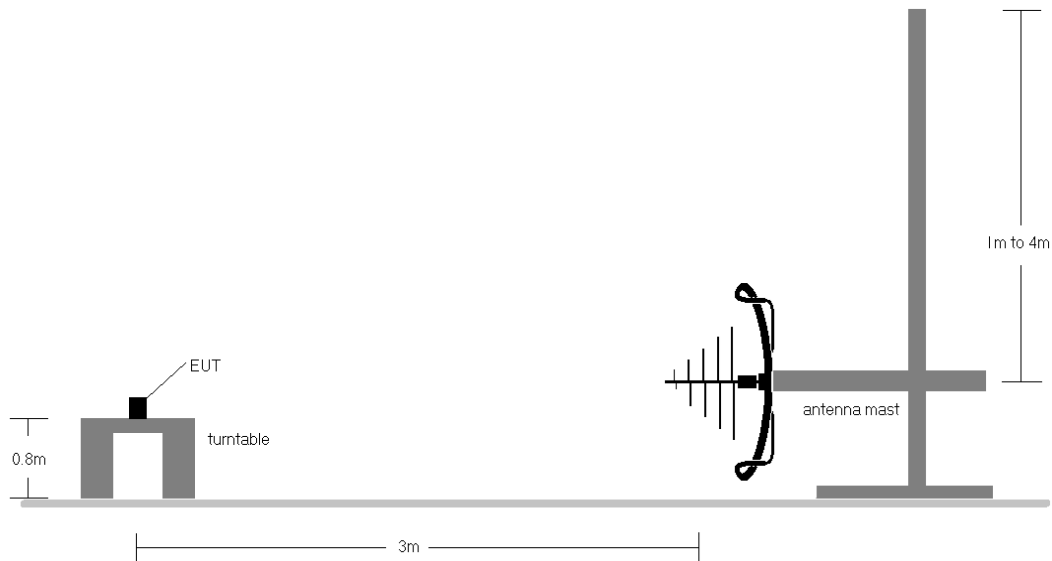
### Test Settings

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

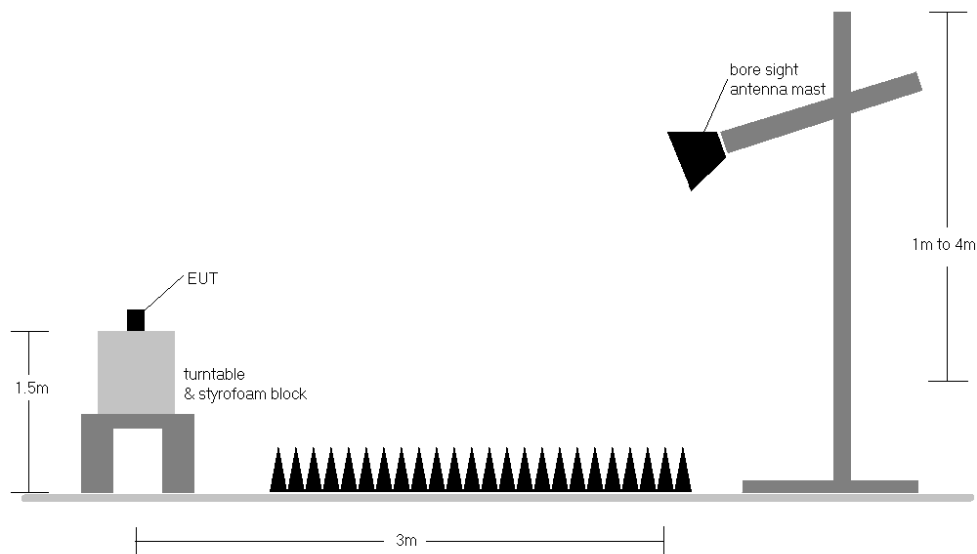
FCC ID: A3LSMS918U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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## Test Setup

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



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



**Figure 7-8. Test Instrument & Measurement Setup >1 GHz**

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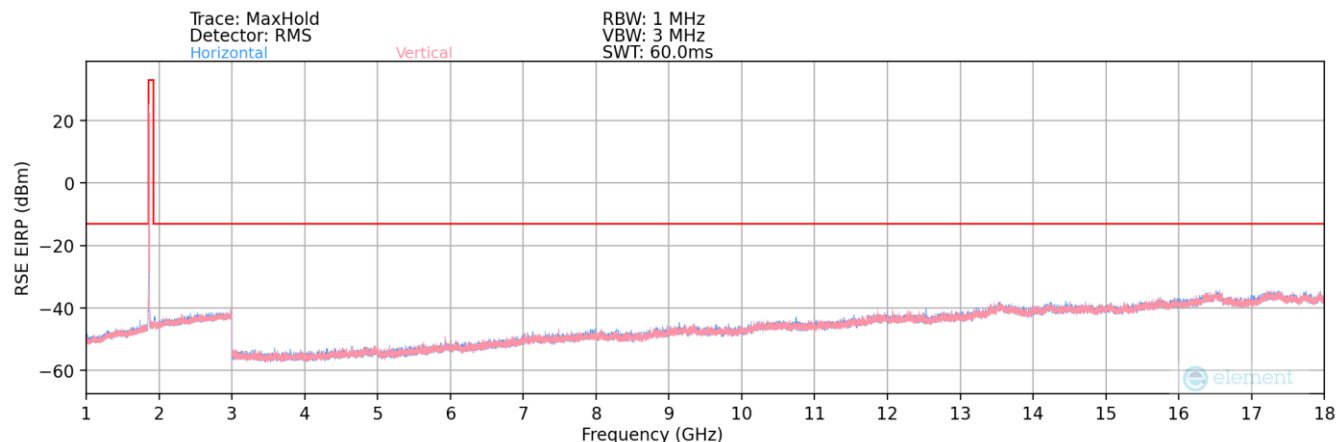
## Test Notes

- 1) Field strengths are calculated using the Measurement quantity conversions in ANSI C63.26-2015 Section 5.2.7:
  - a)  $E(\text{dB}\mu\text{V/m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
  - b)  $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V/m}) + 20\log D - 104.8$ ; where D is the measurement distance in meters.
- 2) This device employs GSM, GPRS, and EDGE capabilities. The EUT was tested under all configurations and the highest powers are reported in GPRS mode while transmitting with one slot active.
- 3) This device employs UMTS technology with WCDMA (AMR/RMC) and HSDPA capabilities. The EUT was tested under all configurations and the highest powers are reported in WCDMA mode with HSDPA Inactive at 12.2 kbps RMC and TPC bits all set to "1".
- 4) 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.
- 5) This unit was tested with its standard battery.
- 6) The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
- 7) 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.
- 8) The "-" shown in the following RSE tables are used to denote a noise floor measurement.
- 9) 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.
- 10) 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 are subject to the rules under which the NR carrier operates. Spurious emissions caused by the LTE carrier must meet the requirements of the rules under which the LTE carrier operates.

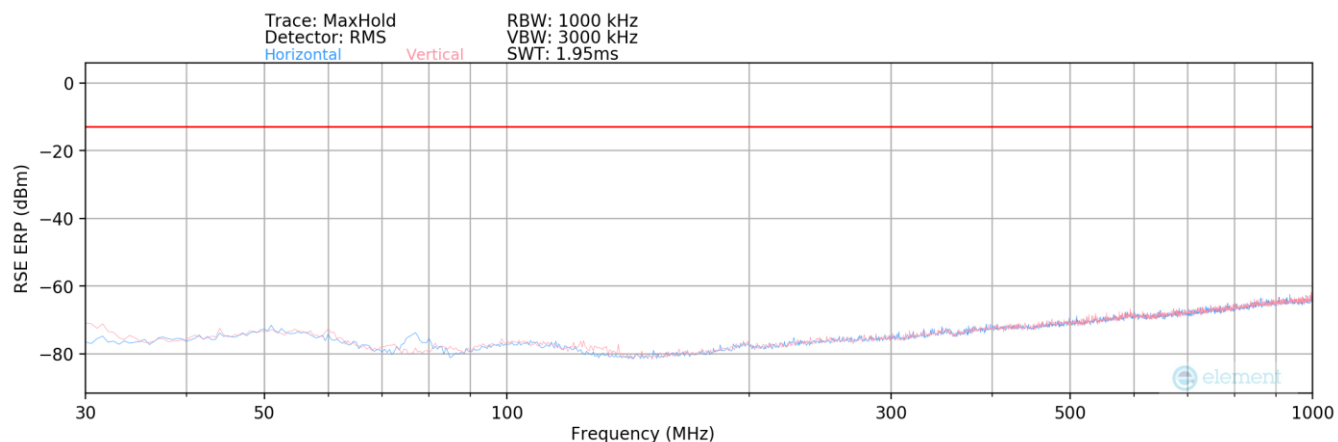
FCC ID: A3LSMS918U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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## LTE Band 25/2 – ANT A



**Plot 7-343. Radiated Spurious Plot (LTE Band 25/2 - ANT A)**



**Plot 7-344. Radiated Spurious Plot (LTE Band 25/2 - ANT A) – Below 1GHz**

Bandwidth (MHz):	20
Frequency (MHz):	1860
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3720.00	H	-	-	-80.55	7.46	33.91	-61.35	-13.00	-48.35
5580.00	H	-	-	-82.26	11.30	36.04	-59.22	-13.00	-46.22
7440.00	H	-	-	-83.19	15.32	39.13	-56.13	-13.00	-43.13
9300.00	H	-	-	-83.62	18.54	41.92	-53.34	-13.00	-40.34
11160.00	H	-	-	-84.51	20.97	43.46	-51.80	-13.00	-38.80
13020.00	H	-	-	-85.25	24.16	45.91	-49.35	-13.00	-36.35
14880.00	H	-	-	-86.30	27.21	47.91	-47.35	-13.00	-34.35
16740.00	H	-	-	-85.95	29.82	50.87	-44.39	-13.00	-31.39

**Table 16. Radiated Spurious Data (LTE Band 25/2 – Low Channel - ANT A)**

FCC ID: A3LSMS918U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth (MHz):	20
Frequency (MHz):	1882.5
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3765.00	H	-	-	-87.84	7.84	27.00	-68.26	-13.00	-55.26
5647.50	H	-	-	-88.33	10.98	29.65	-65.61	-13.00	-52.61
7530.00	H	-	-	-87.93	15.65	34.72	-60.54	-13.00	-47.54
9412.50	H	-	-	-88.14	18.59	37.45	-57.81	-13.00	-44.81
11295.00	H	-	-	-87.95	21.12	40.17	-55.08	-13.00	-42.08
13177.50	H	-	-	-88.01	24.31	43.30	-51.96	-13.00	-38.96

**Table 17. Radiated Spurious Data (LTE Band 25/2 – Mid Channel - ANT A)**

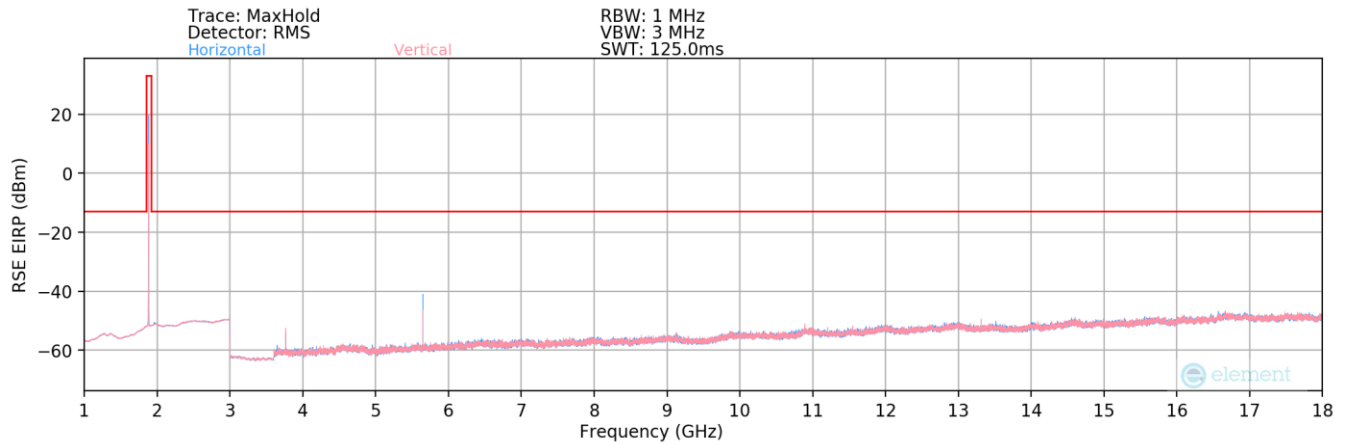
Bandwidth (MHz):	20
Frequency (MHz):	1905
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3810.00	H	-	-	-80.95	8.01	34.06	-61.20	-13.00	-48.20
5715.00	H	-	-	-82.18	11.15	35.97	-59.29	-13.00	-46.29
7620.00	H	-	-	-83.35	16.14	39.79	-55.47	-13.00	-42.47
9525.00	H	-	-	-85.07	18.71	40.64	-54.62	-13.00	-41.62
11430.00	H	-	-	-85.85	21.53	42.68	-52.58	-13.00	-39.58
13335.00	H	-	-	-85.53	24.68	46.15	-49.10	-13.00	-36.10

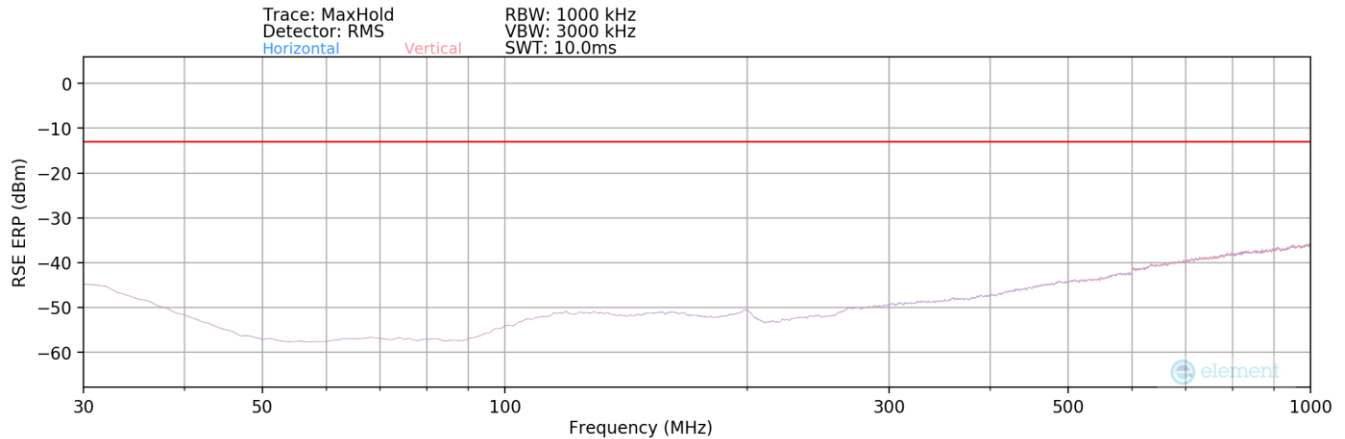
**Table 18. Radiated Spurious Data (LTE Band 25/2 – High Channel - ANT A)**

FCC ID: A3LSMS918U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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## LTE Band 25/2 – ANT F



**Plot 7-345. Radiated Spurious Plot (LTE Band 25/2 - ANT F)**



**Plot 7-346. Radiated Spurious Plot (LTE Band 25/2 - ANT F)**

Bandwidth (MHz):	20
Frequency (MHz):	1860
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3720.00	H	123	328	-69.84	3.26	40.42	-54.84	-13.00	-41.84
5580.00	H	141	32	-59.52	5.44	52.92	-42.33	-13.00	-29.33
7440.00	H	-	-	-78.81	7.48	35.67	-59.58	-13.00	-46.58
9300.00	H	-	-	-79.47	9.20	36.73	-58.53	-13.00	-45.53
11160.00	H	-	-	-79.91	11.93	39.02	-56.23	-13.00	-43.23

**Table 19. Radiated Spurious Data (LTE Band 25/2 – Low Channel - ANT F)**

FCC ID: A3LSMS918U	PART 24 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2209010098-06.A3L	Test Dates: 9/12/2022 - 11/08/2022	EUT Type: Portable Handset		Page 210 of 229

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3765.00	H	136	333	-70.59	3.15	39.56	-55.70	-13.00	-42.70
5647.50	H	147	73	-58.25	5.29	54.04	-41.22	-13.00	-28.22
7530.00	H	-	-	-79.10	7.59	35.49	-59.77	-13.00	-46.77
9412.50	H	-	-	-80.11	10.03	36.92	-58.34	-13.00	-45.34
11295.00	H	-	-	-80.35	12.16	38.81	-56.45	-13.00	-43.45

**Table 20. Radiated Spurious Data (LTE Band 25/2 – Mid Channel - ANT F)**

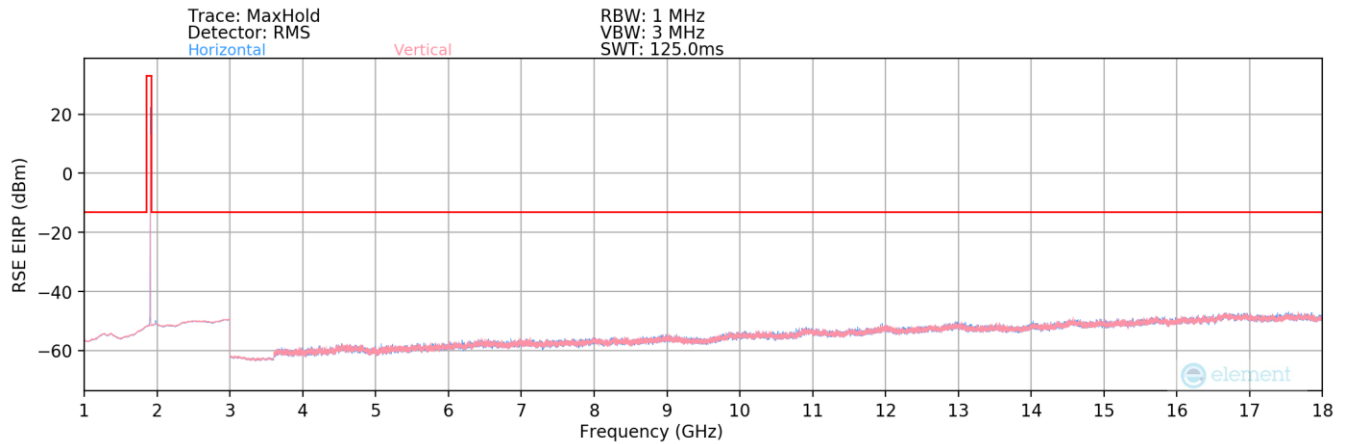
Bandwidth (MHz):	20
Frequency (MHz):	1905
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3810.00	H	161	349	-71.37	3.00	38.63	-56.63	-13.00	-43.63
5715.00	H	153	23	-60.79	5.34	51.55	-43.71	-13.00	-30.71
7620.00	H	-	-	-79.19	7.99	35.80	-59.45	-13.00	-46.45
9525.00	H	-	-	-80.26	9.96	36.70	-58.56	-13.00	-45.56
11430.00	H	-	-	-80.75	12.42	38.67	-56.59	-13.00	-43.59

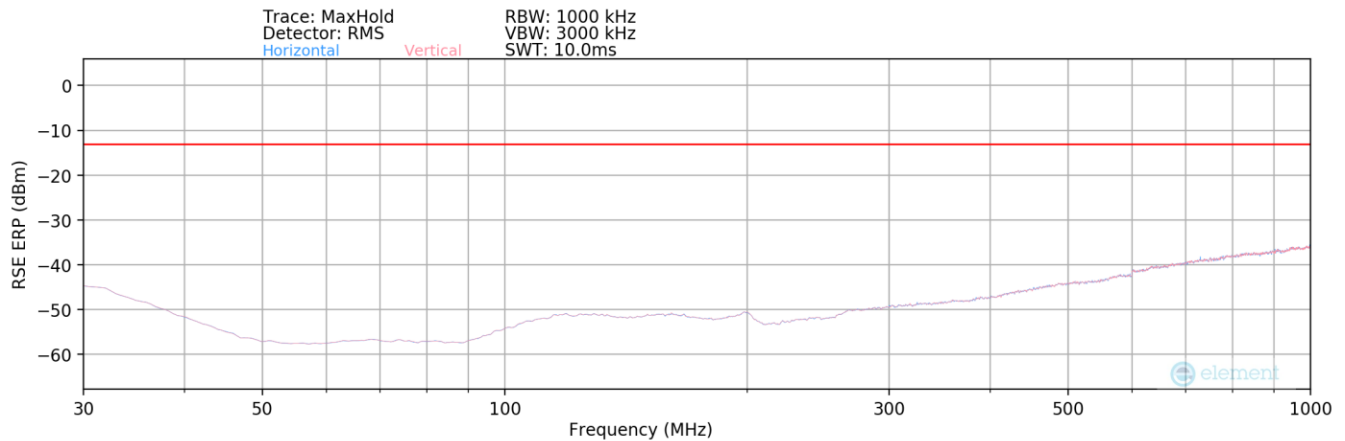
**Table 21. Radiated Spurious Data (LTE Band 25/2 – High Channel - ANT F)**

FCC ID: A3LSMS918U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-06.A3L	Test Dates: 9/12/2022 - 11/08/2022	EUT Type: Portable Handset	Page 211 of 229

## NR Band n25/2 – ANT A



**Plot 7-347. Radiated Spurious Plot (NR Band n25/2 - ANT A)**



**Plot 7-348. Radiated Spurious Plot (NR Band n25/2 - ANT A) – Below 1GHz**

Bandwidth (MHz):	20
Frequency (MHz):	1860
RB / Offset:	1 / 50
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]
3720.00	V	-	-	-78.82	3.26	31.44	-63.82	-13.00	-50.82
5580.00	V	-	-	-78.77	5.44	33.67	-61.58	-13.00	-48.58
7440.00	V	-	-	-79.67	7.48	34.81	-60.44	-13.00	-47.44

**Table 22. Radiated Spurious Data (NR Band n25/2 – Low Channel - ANT A)**

FCC ID: A3LSMS918U	PART 24 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2209010098-06.A3L	Test Dates: 9/12/2022 - 11/08/2022	EUT Type: Portable Handset		Page 212 of 229