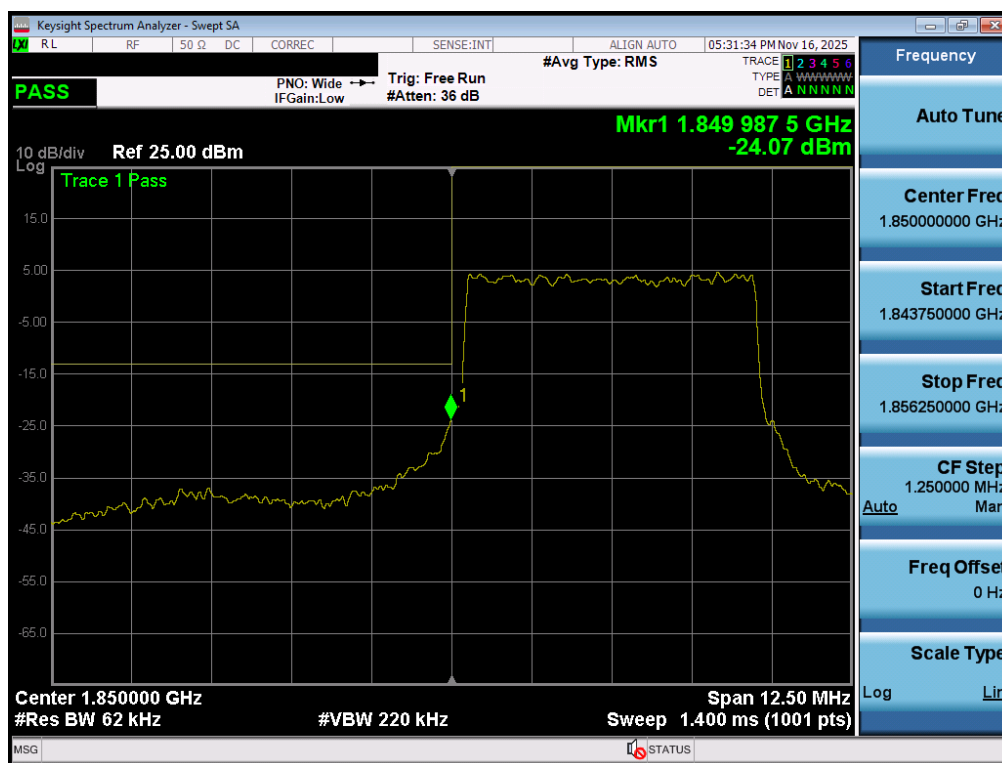
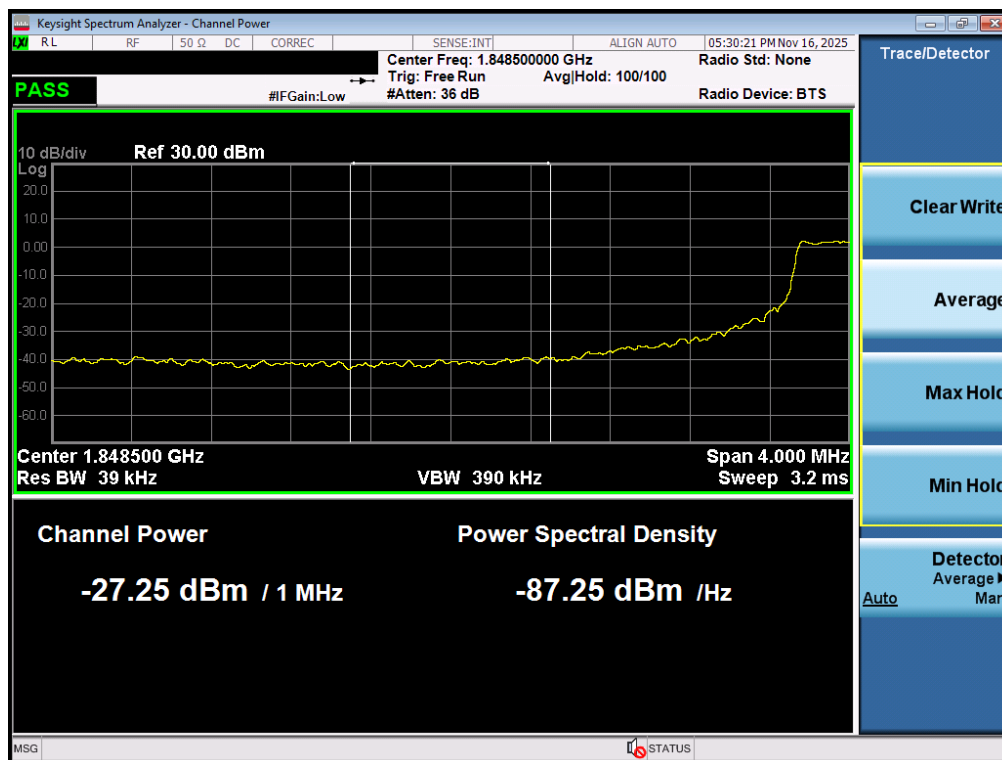


NR Band n25/2 – Ant2



Plot 7-114. Lower Band Edge Plot (NR Band n25/2 – 5MHz QPSK – Full RB - Ant2)

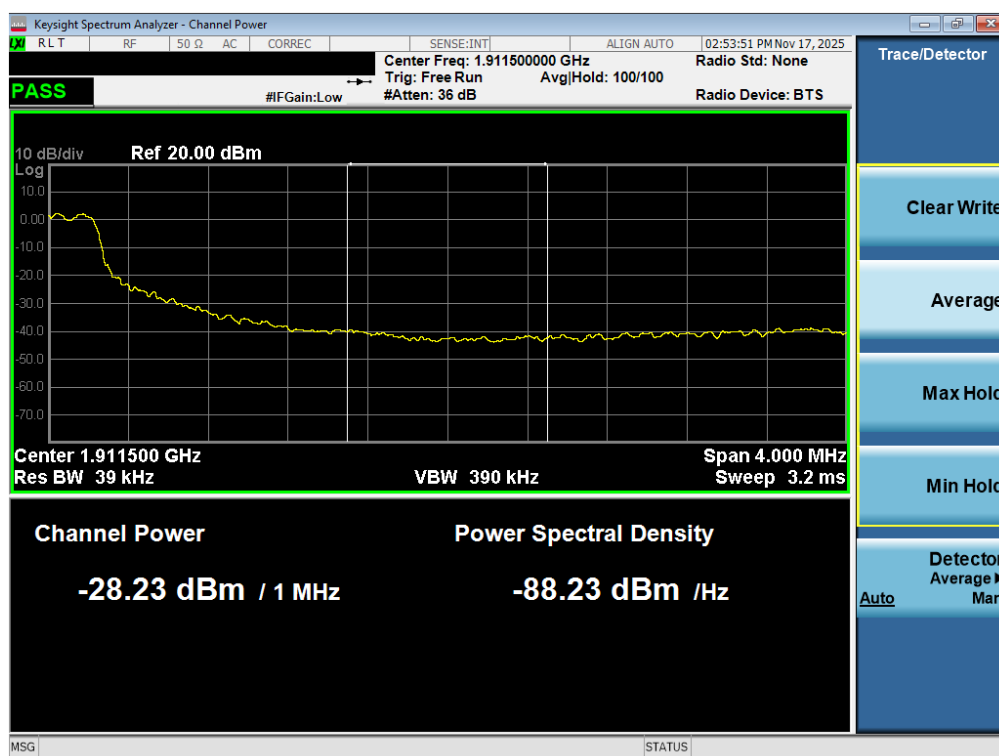


Plot 7-115. Extended Lower Band Edge Plot (NR Band n25/2 – 5MHz QPSK – Full RB - Ant2)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-116. Upper Band Edge Plot (NR Band n2 – 5MHz QPSK – Full RB - Ant2)

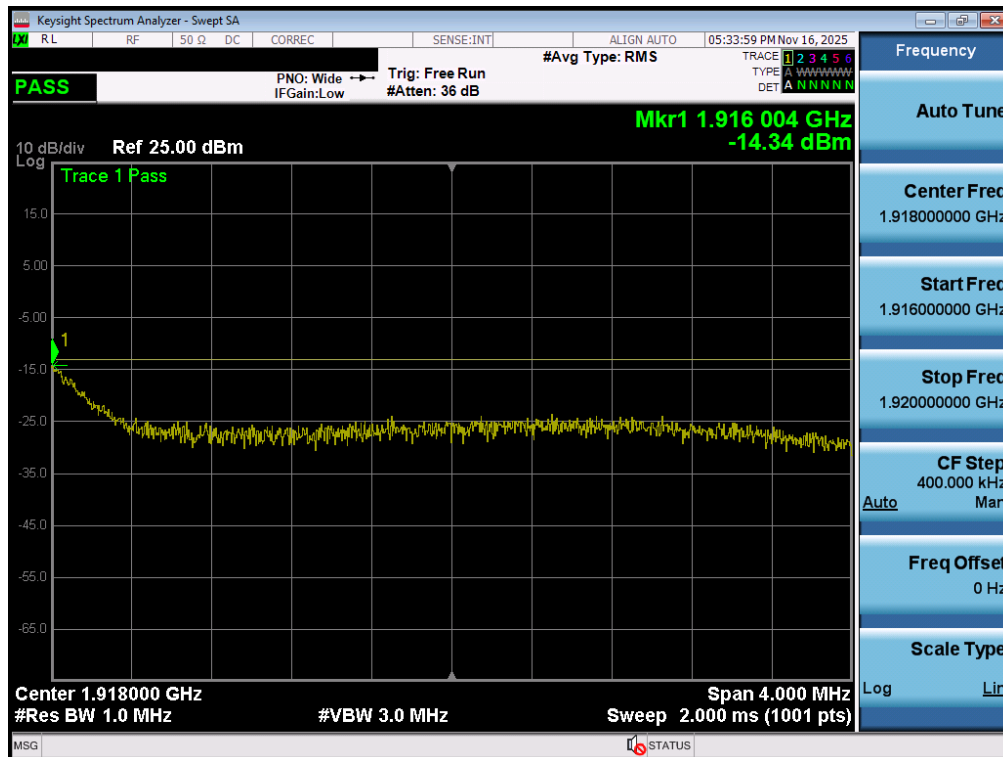


Plot 7-117. Extended Upper Band Edge Plot (NR Band n2 – 5MHz QPSK – Full RB - Ant2)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-118. Upper Band Edge Plot (NR Band n25 – 5MHz QPSK – Full RB - Ant2)



Plot 7-119. Extended Upper Band Edge Plot (NR Band n25 – 5MHz QPSK – Full RB - Ant2)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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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.

The peak-to-average power ratio (PAPR) of the transmitter output power must not exceed 13 dB.

Test Procedure Used

ANSI C63.26:2015 – Section 5.2.3.4

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.

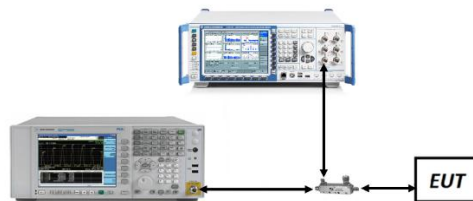


Figure 7-5. Test Instrument & Measurement Setup

Test Notes

For the QAM modulations, 256QAM was found to have the worst-case peak-to-average ratio so it is the only QAM measurement included in this section.

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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Mode	Bandwidth	Modulation	Average Power [dBm]	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
GSM-PCS	N/A	GMSK	28.89	0.20	13	-12.80
GSM-PCS EDGE		8-PSK	25.10	2.94	13	-10.06
WCDMA-PCS		Spread Spectrum	23.04	3.13	13	-9.87
LTE-B25-2	20MHz	QPSK	21.73	5.76	13	-7.24
		256QAM	17.91	6.58	13	-6.42
	15MHz	QPSK	21.87	5.79	13	-7.21
		256QAM	17.86	6.53	13	-6.47
	10MHz	QPSK	21.91	5.95	13	-7.05
		256QAM	17.89	6.51	13	-6.49
	5MHz	QPSK	22.26	5.78	13	-7.22
		256QAM	18.16	6.60	13	-6.40
	3MHz	QPSK	22.22	5.67	13	-7.33
		256QAM	18.51	6.74	13	-6.26
	1.4MHz	QPSK	21.63	5.78	13	-7.22
		256QAM	18.07	6.63	13	-6.37

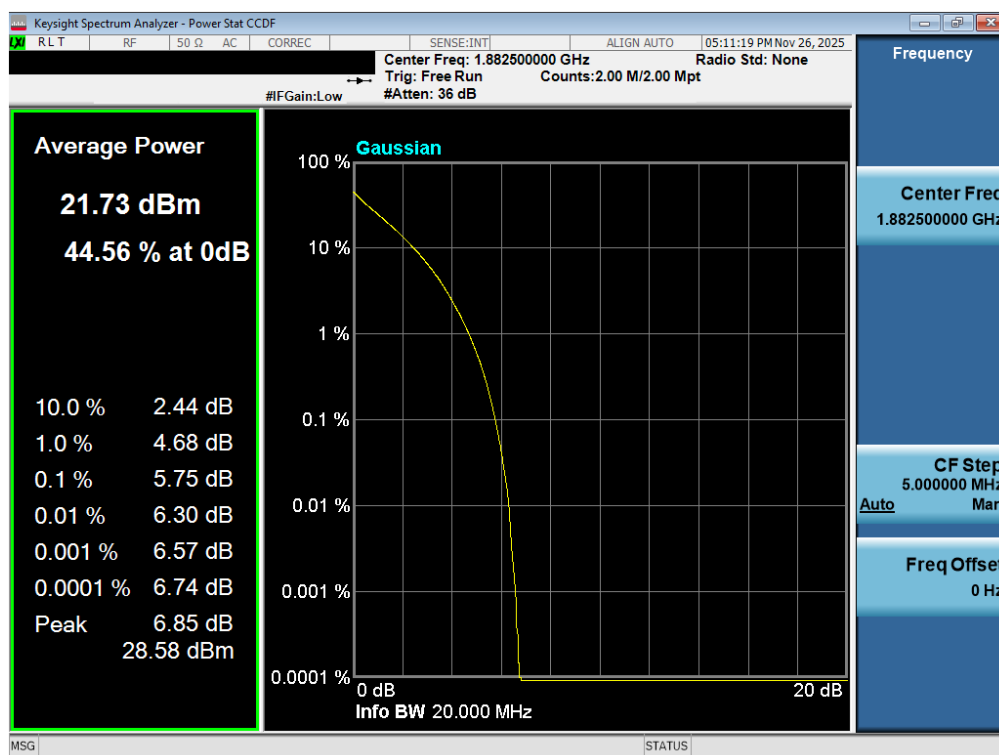
Table 7-18. Peak-Average Ratio Results – Ant1

Mode	Bandwidth	Modulation	Average Power [dBm]	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
NR-n25-2	40MHz	BPSK	22.80	4.84	13	-8.16
		QPSK	20.28	7.46	13	-5.54
		256QAM	16.71	8.17	13	-4.83
	30MHz	BPSK	22.81	4.33	13	-8.67
		QPSK	20.30	7.45	13	-5.55
		256QAM	16.75	8.08	13	-4.92
	25MHz	BPSK	22.88	4.50	13	-8.50
		QPSK	20.36	7.42	13	-5.58
		256QAM	16.80	8.18	13	-4.82
	20MHz	BPSK	22.85	4.44	13	-8.56
		QPSK	20.31	7.59	13	-5.41
		256QAM	16.75	8.07	13	-4.93
	15MHz	BPSK	22.83	4.40	13	-8.60
		QPSK	20.33	7.50	13	-5.50
		256QAM	16.78	8.12	13	-4.88
	10MHz	BPSK	22.78	4.56	13	-8.44
		QPSK	20.30	7.86	13	-5.14
		256QAM	16.74	8.08	13	-4.92
	5MHz	BPSK	22.82	4.61	13	-8.39
		QPSK	20.30	7.89	13	-5.11
		256QAM	16.71	8.08	13	-4.92

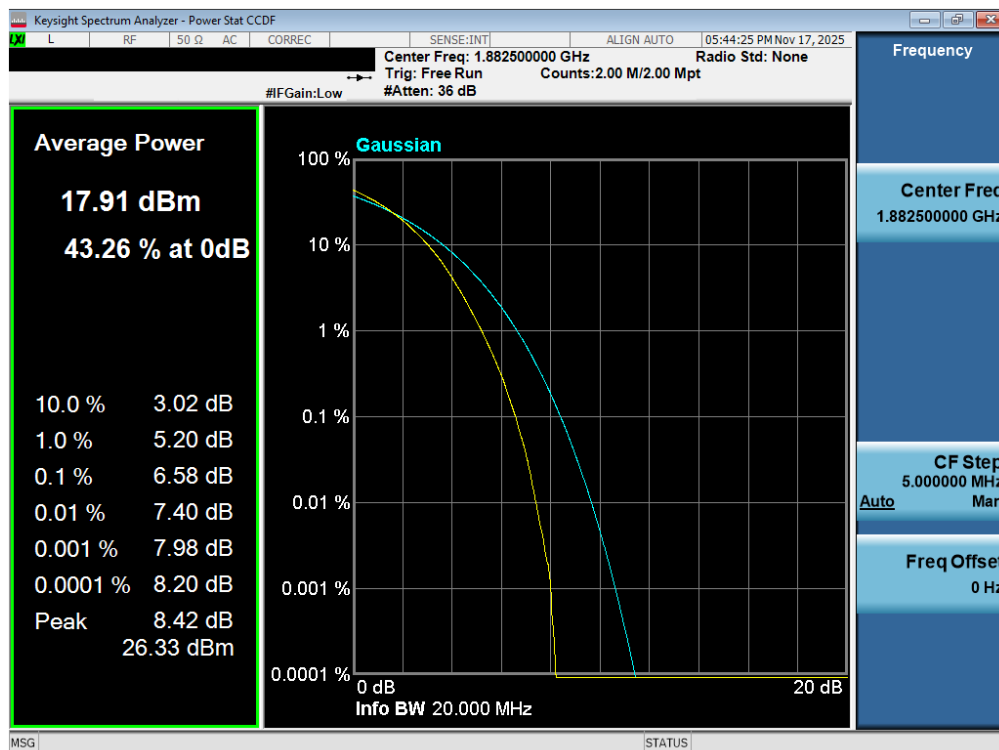
Table 7-19. Peak-Average Ratio Results – Ant1

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 25/2 – Ant1

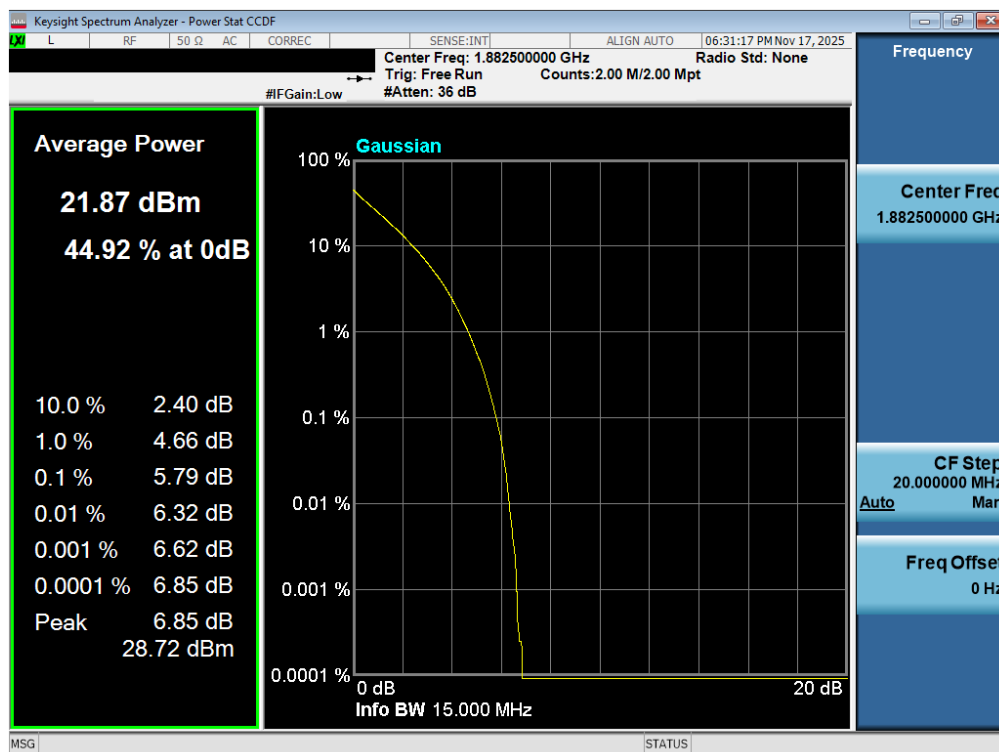


Plot 7-120. PAR Plot (LTE Band 25/2 - 20MHz QPSK - Full RB - Ant1)

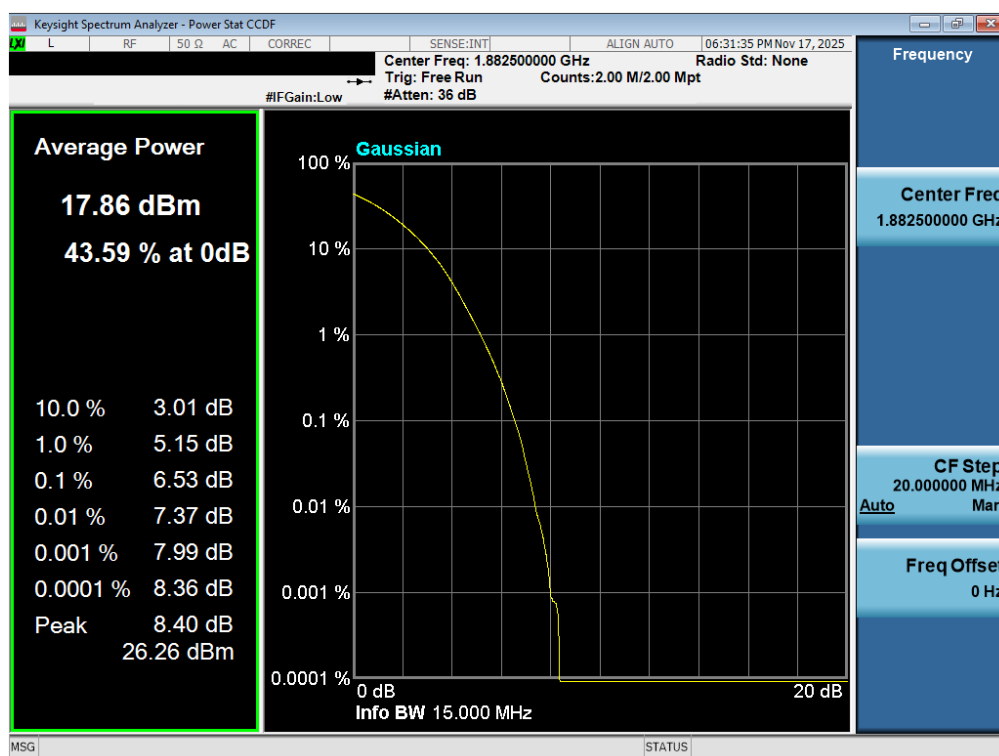


Plot 7-121. PAR Plot (LTE Band 25/2 - 20MHz 256-QAM - Full RB - Ant1)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-06-R1.A3L	Test Dates: 11/16/2025 - 1/3/2026	EUT Type: Portable Handset	Page 100 of 163

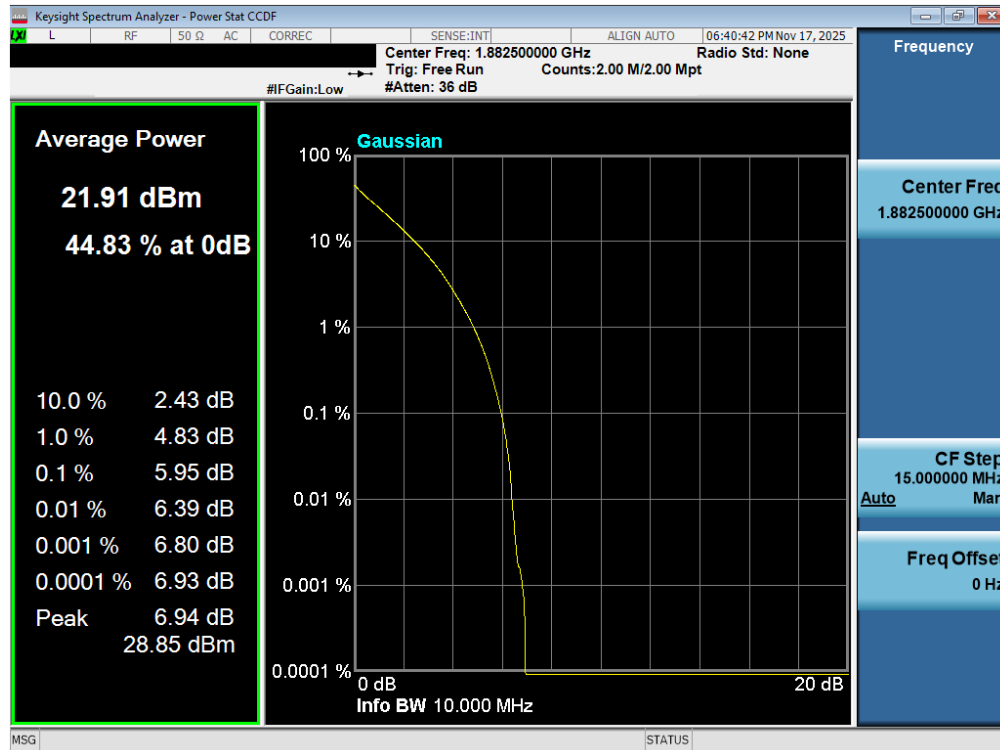


Plot 7-122. PAR Plot (LTE Band 25/2 - 15MHz QPSK - Full RB - Ant1)

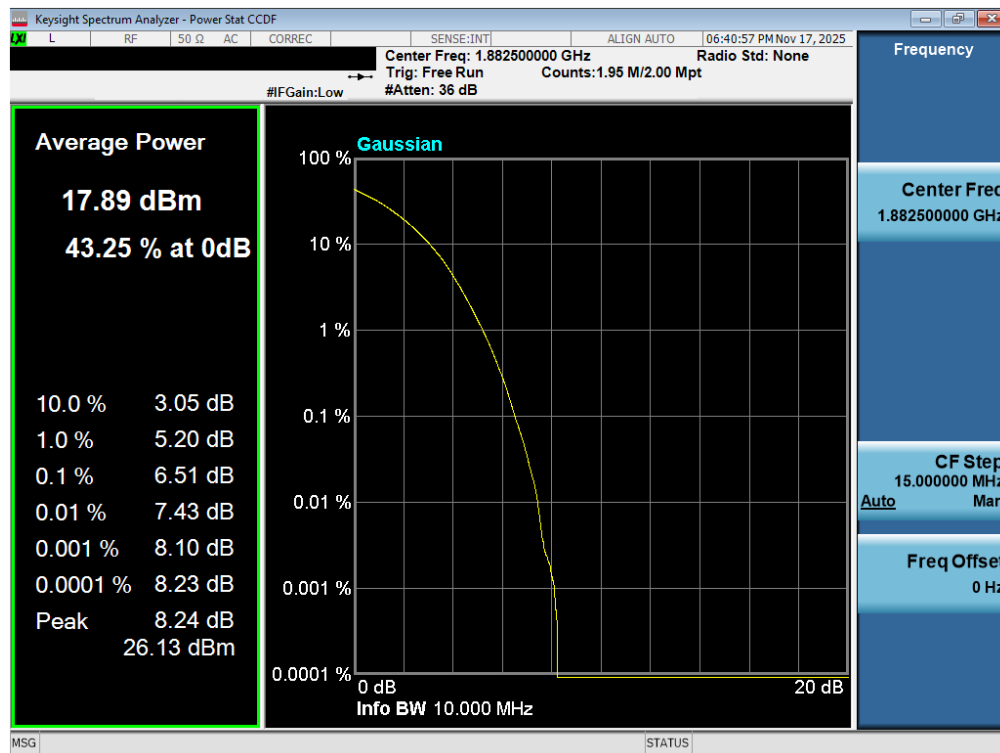


Plot 7-123. PAR Plot (LTE Band 25/2 - 15MHz 256-QAM - Full RB - Ant1)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-06-R1.A3L	Test Dates: 11/16/2025 - 1/3/2026	EUT Type: Portable Handset	Page 101 of 163

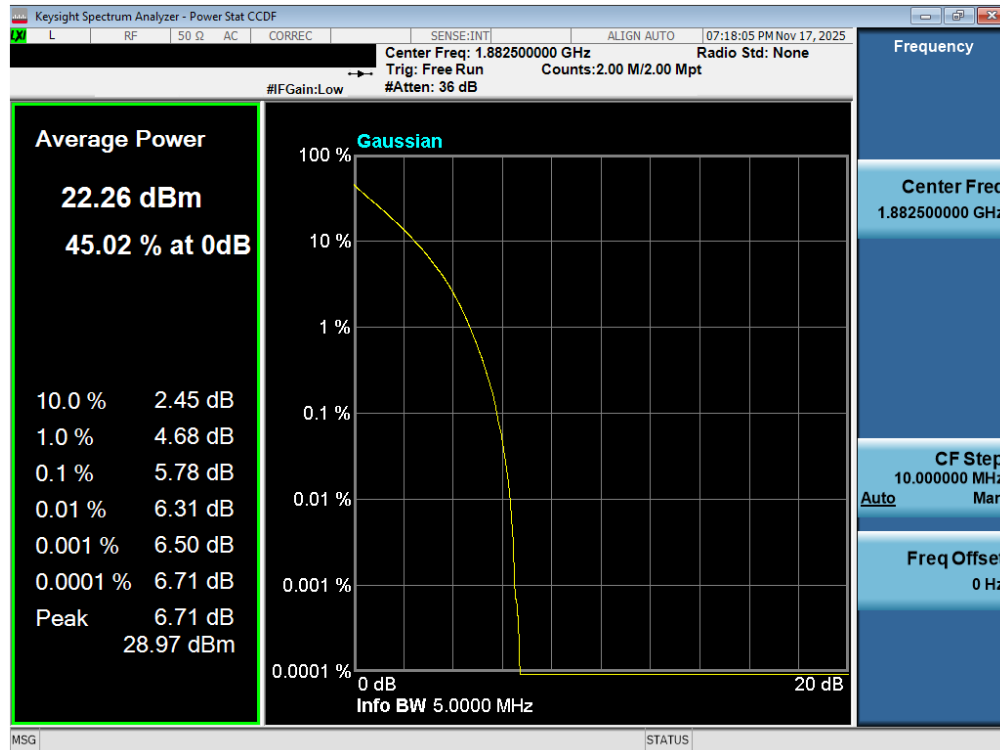


Plot 7-124. PAR Plot (LTE Band 25/2 - 10MHz QPSK - Full RB - Ant1)

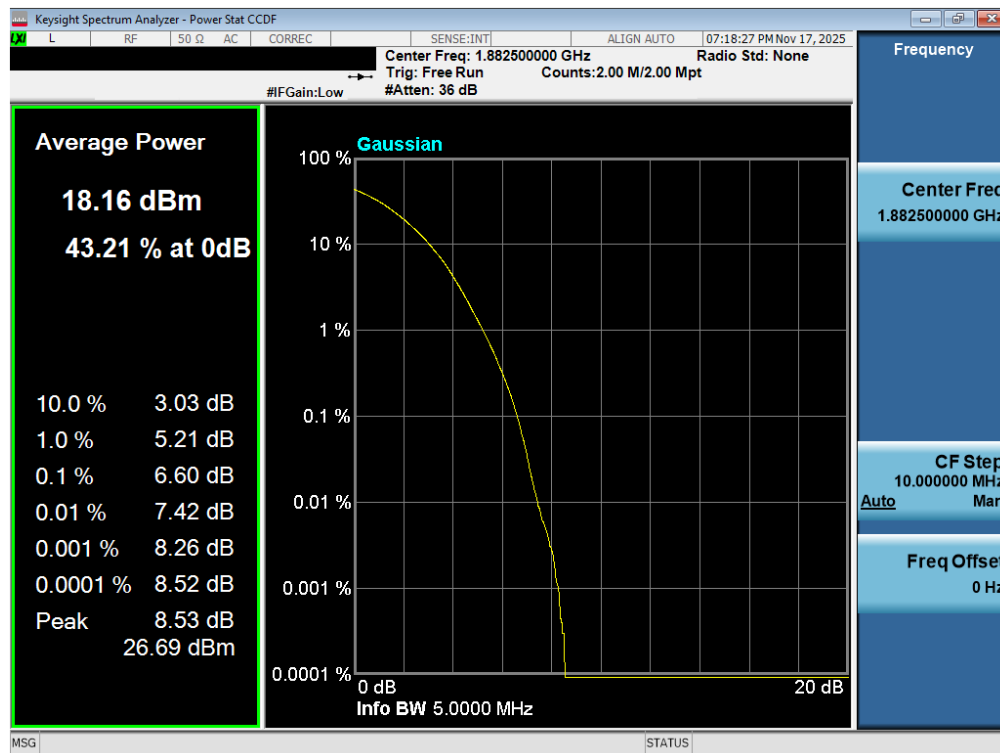


Plot 7-125. PAR Plot (LTE Band 25/2 - 10MHz 256-QAM - Full RB - Ant1)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-06-R1.A3L	Test Dates: 11/16/2025 - 1/3/2026	EUT Type: Portable Handset	Page 102 of 163

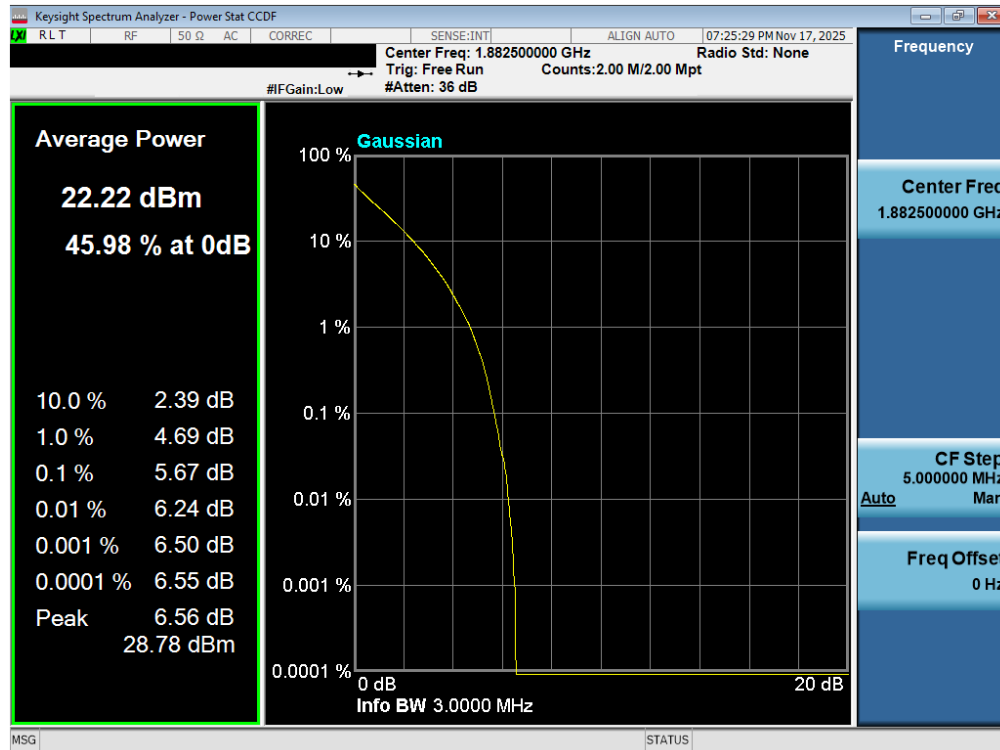


Plot 7-126. PAR Plot (LTE Band 25/2 - 5MHz QPSK - Full RB - Ant1)

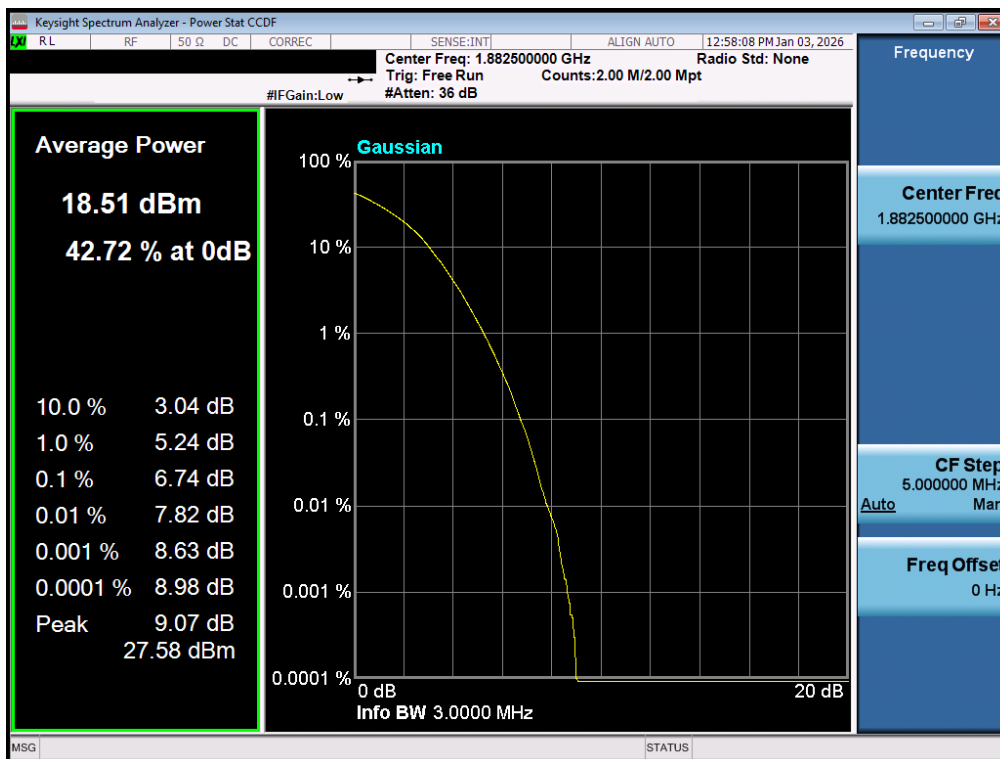


Plot 7-127. PAR Plot (LTE Band 25/2 - 5MHz 256-QAM - Full RB - Ant1)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-06-R1.A3L	Test Dates: 11/16/2025 - 1/3/2026	EUT Type: Portable Handset	Page 103 of 163

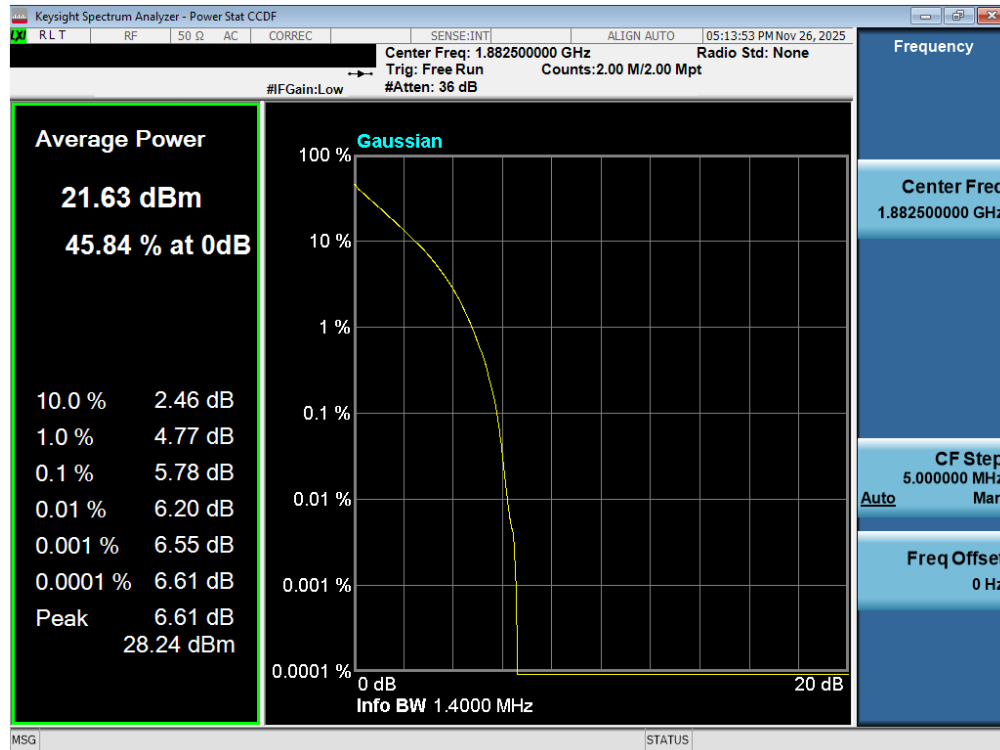


Plot 7-128. PAR Plot (LTE Band 25/2 - 3MHz QPSK - Full RB - Ant1)

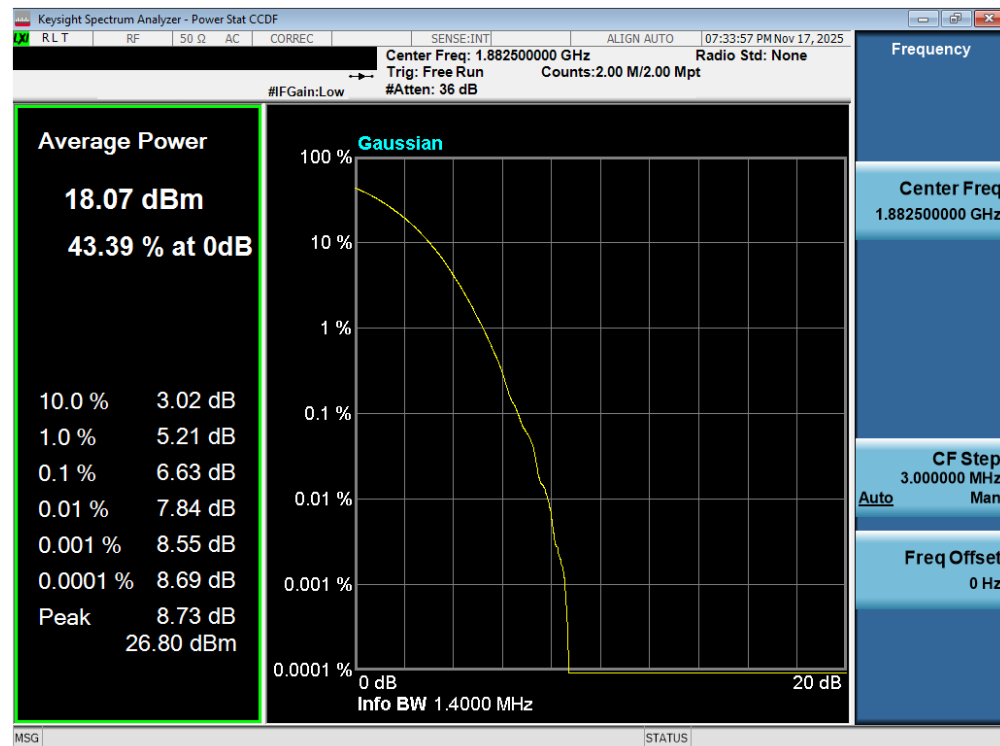


Plot 7-129. PAR Plot (LTE Band 25/2 - 3MHz 256-QAM - Full RB - Ant1)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-06-R1.A3L	Test Dates: 11/16/2025 - 1/3/2026	EUT Type: Portable Handset	Page 104 of 163



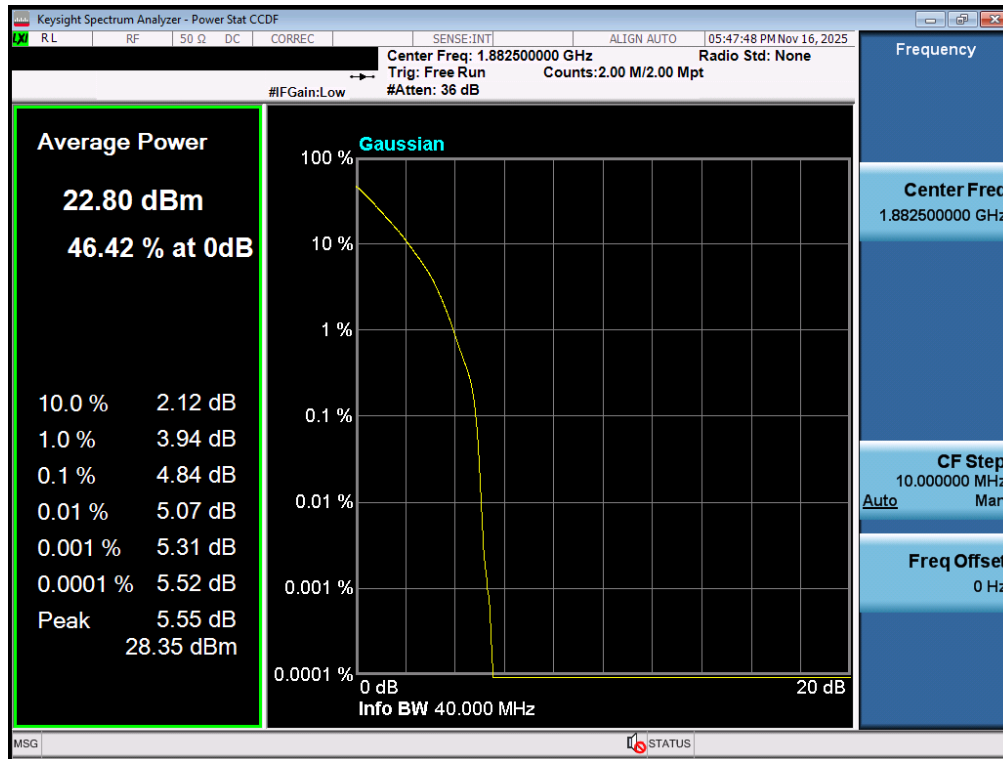
Plot 7-130. PAR Plot (LTE Band 25/2 - 1.4MHz QPSK - Full RB - Ant1)



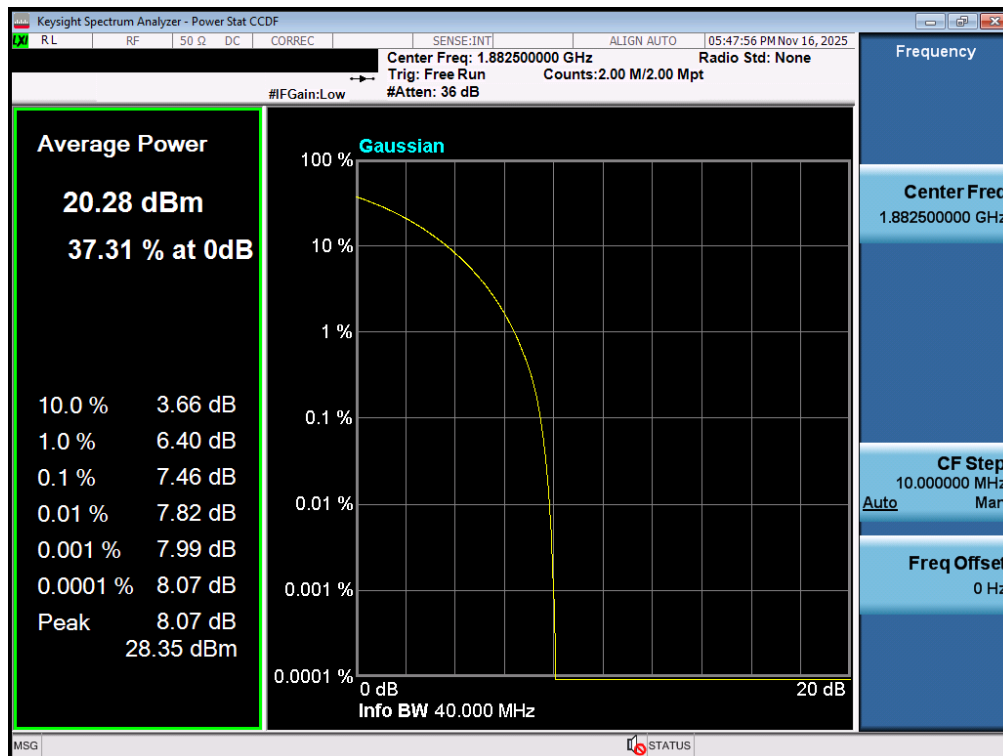
Plot 7-131. PAR Plot (LTE Band 25/2 - 1.4MHz 256-QAM - Full RB - Ant1)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-06-R1.A3L	Test Dates: 11/16/2025 - 1/3/2026	EUT Type: Portable Handset	Page 105 of 163

NR Band n25/2 – Ant1

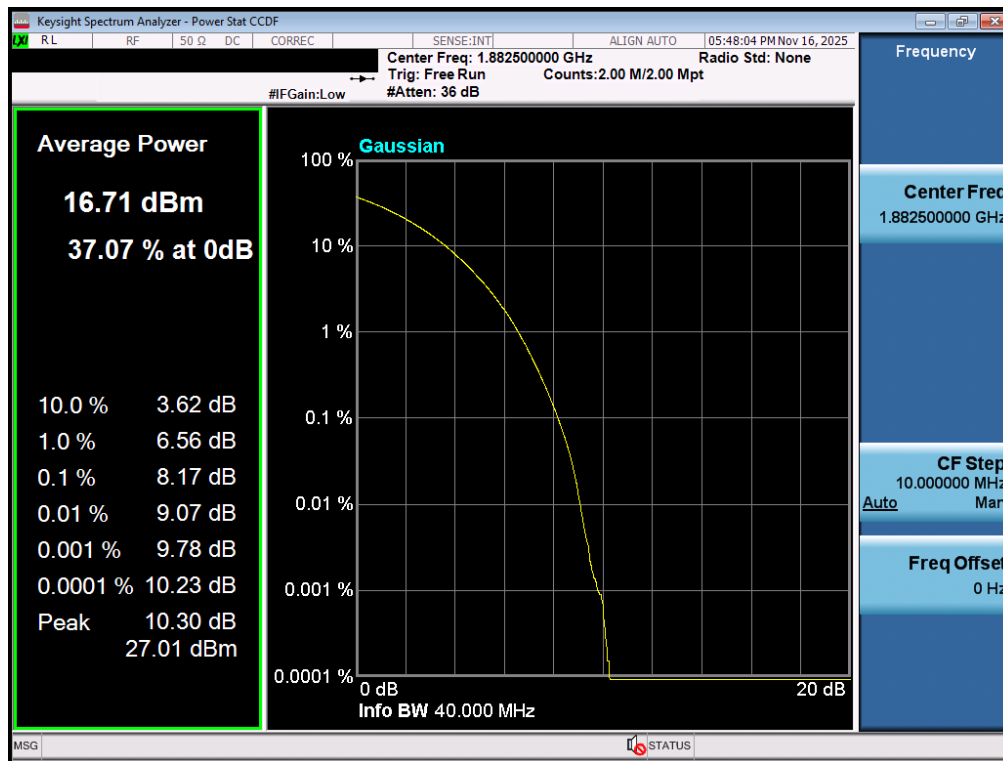


Plot 7-132. PAR Plot (NR Band n25/2 - 40.0MHz DFT-s-OFDM BPSK - Full RB - ANT1)

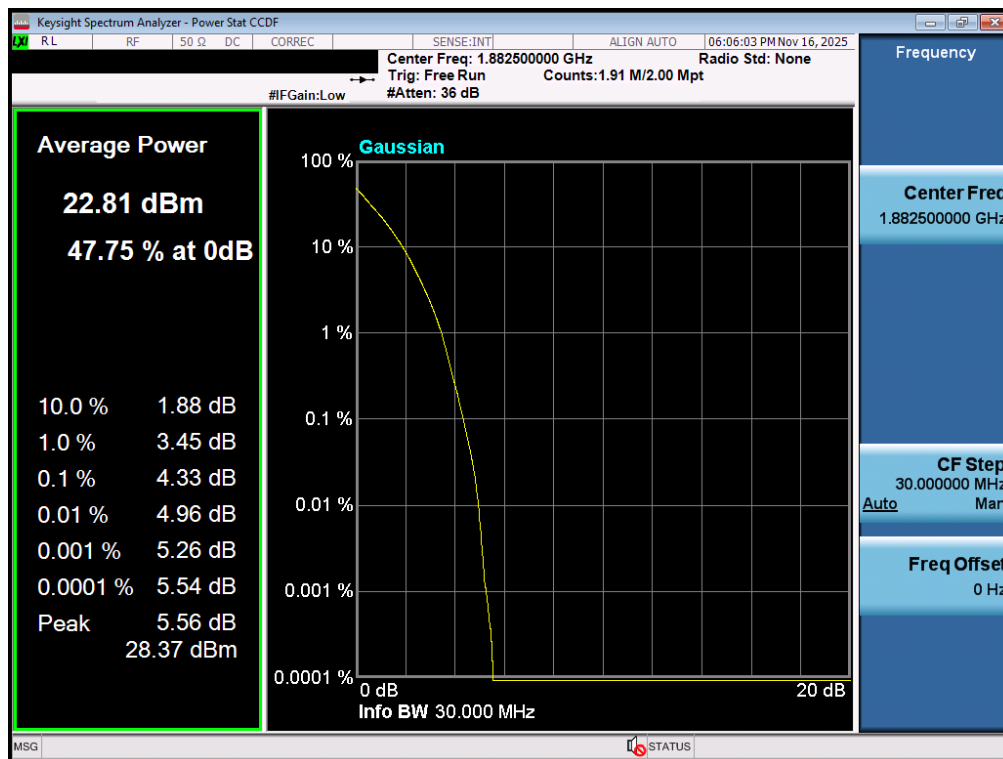


Plot 7-133. PAR Plot (NR Band n25/2 - 40.0MHz CP-OFDM QPSK - Full RB - ANT1)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-06-R1.A3L	Test Dates: 11/16/2025 - 1/3/2026	EUT Type: Portable Handset	Page 106 of 163

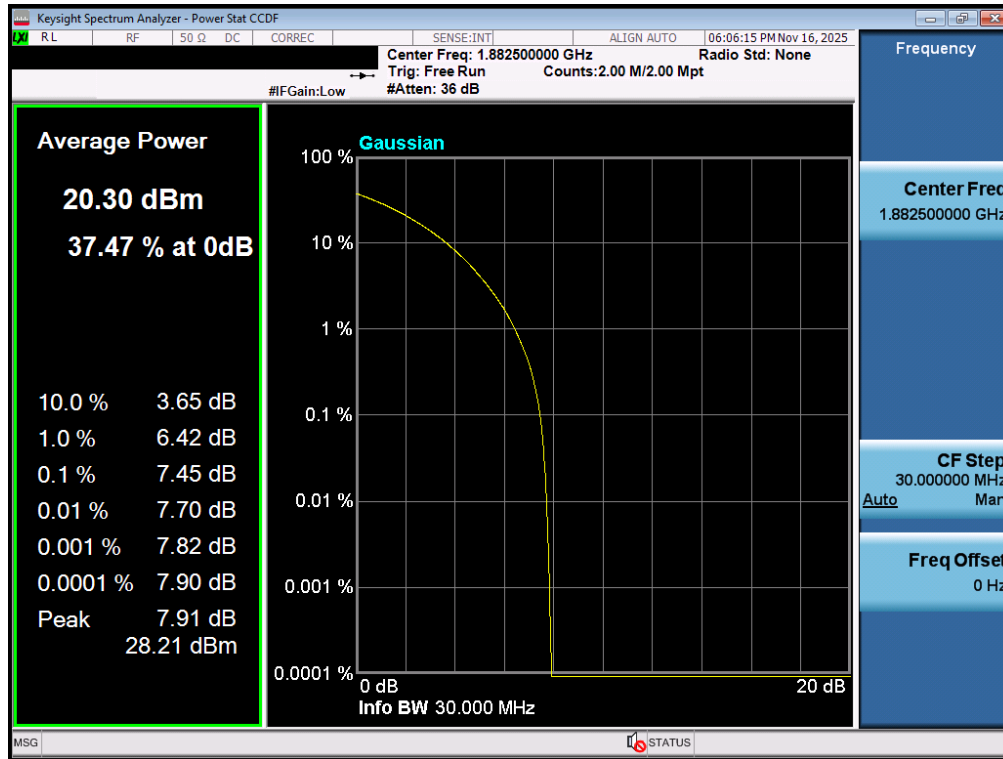


Plot 7-134. PAR Plot (NR Band n25/2 - 40.0MHz CP-OFDM 256-QAM - Full RB - ANT1)

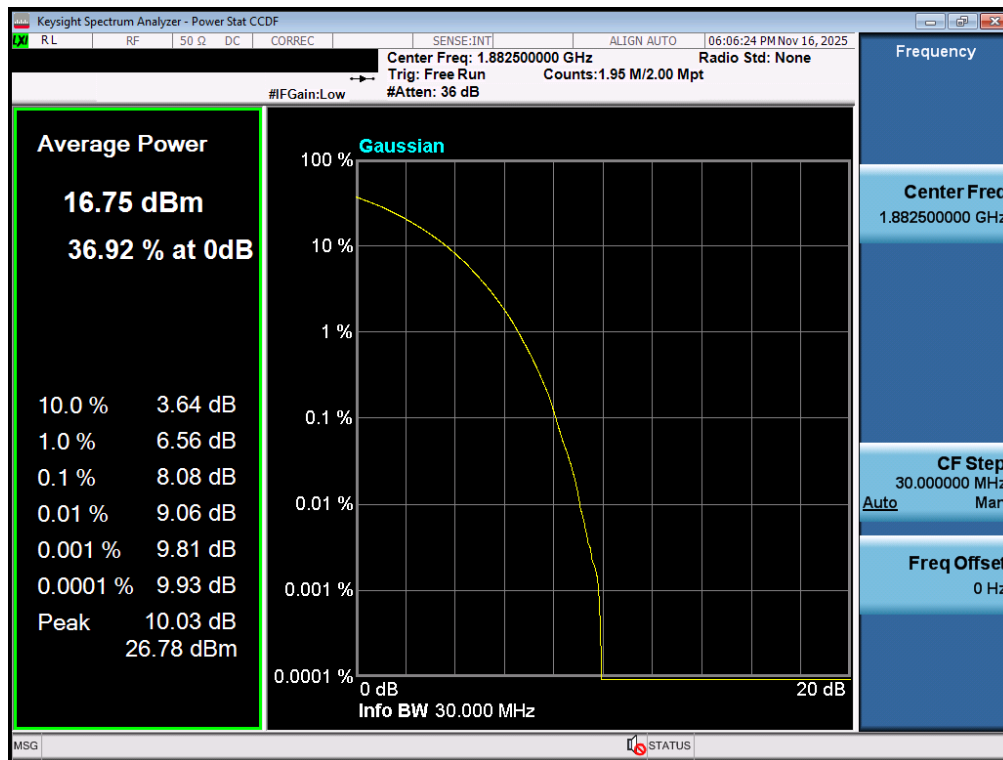


Plot 7-135. PAR Plot (NR Band n25/2 - 30.0MHz DFT-s-OFDM BPSK - Full RB - ANT1)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-06-R1.A3L	Test Dates: 11/16/2025 - 1/3/2026	EUT Type: Portable Handset	Page 107 of 163

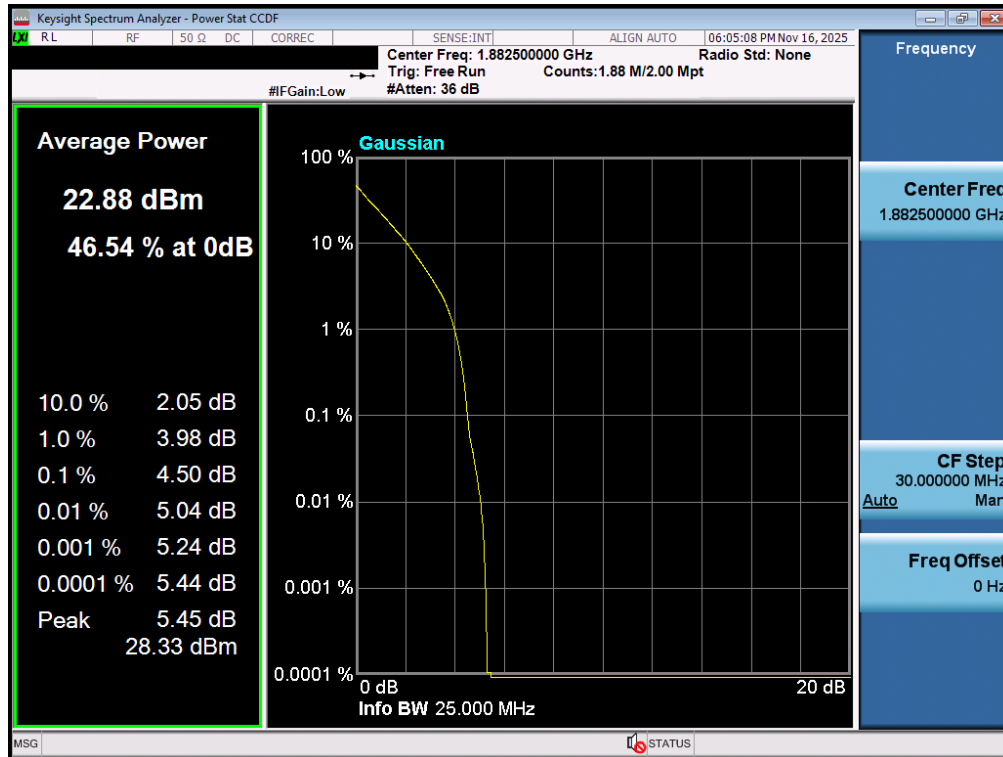


Plot 7-136. PAR Plot (NR Band n25/2 - 30.0MHz CP-OFDM QPSK - Full RB - ANT1)

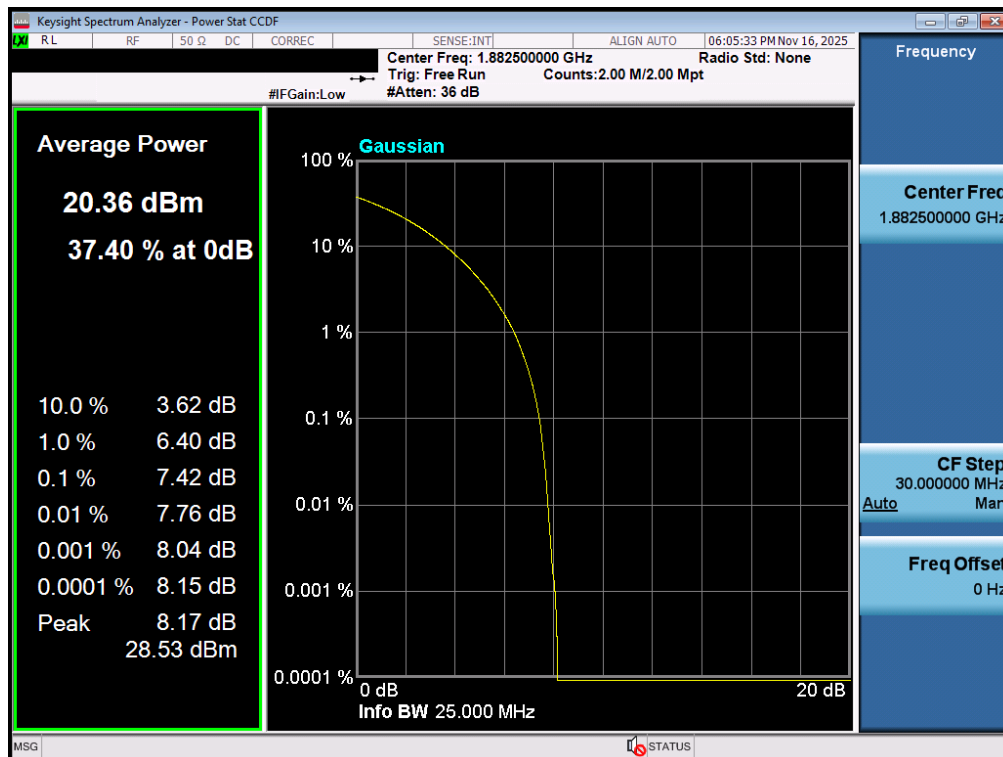


Plot 7-137. PAR Plot (NR Band n25/2 - 30.0MHz CP-OFDM 256-QAM - Full RB - ANT1)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-06-R1.A3L	Test Dates: 11/16/2025 - 1/3/2026	EUT Type: Portable Handset	Page 108 of 163

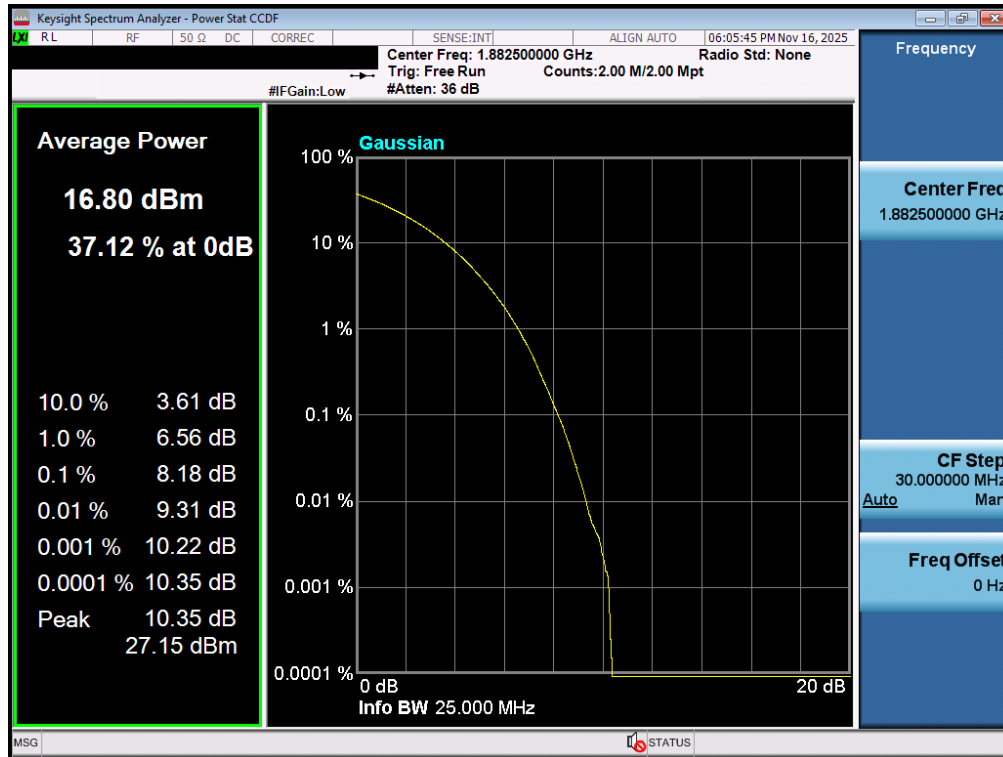


Plot 7-138. PAR Plot (NR Band n25/2 - 25.0MHz DFT-s-OFDM BPSK - Full RB - ANT1)

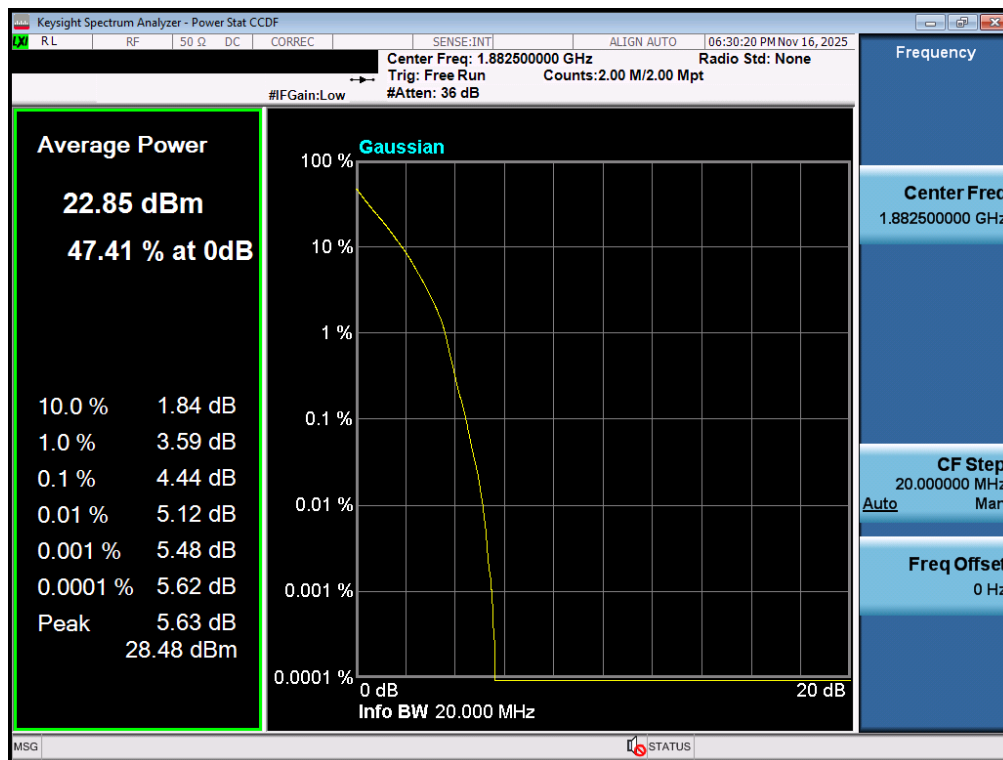


Plot 7-139. PAR Plot (NR Band n25/2 - 25.0MHz CP-OFDM QPSK - Full RB - ANT1)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-06-R1.A3L	Test Dates: 11/16/2025 - 1/3/2026	EUT Type: Portable Handset	Page 109 of 163

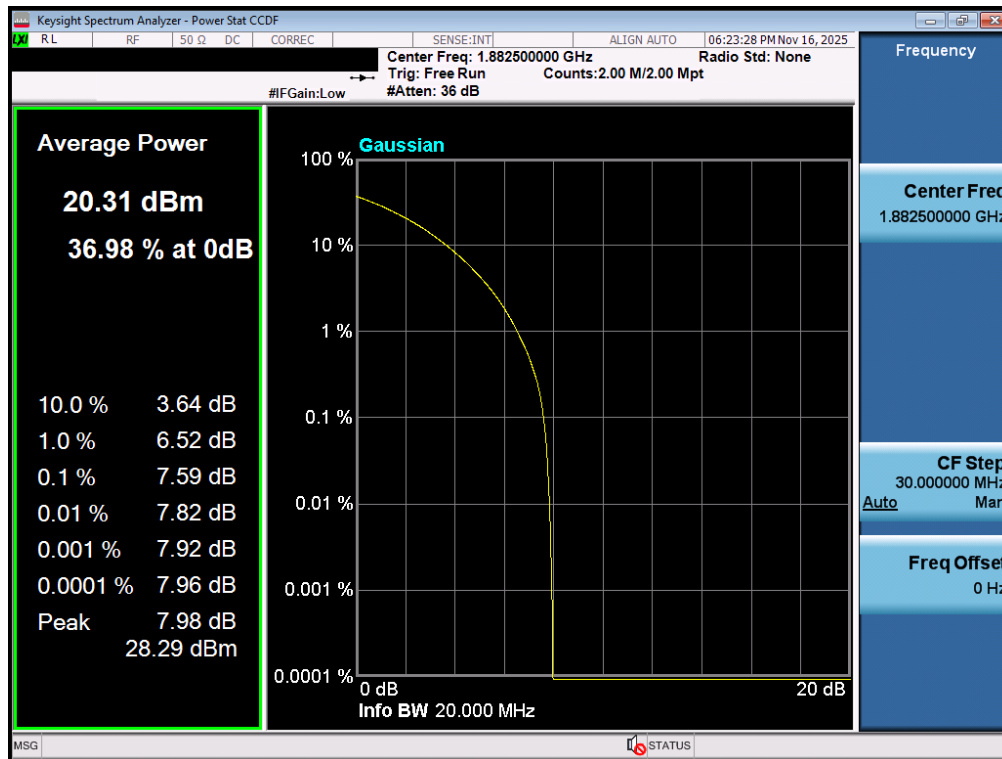


Plot 7-140. PAR Plot (NR Band n25/2 - 25.0MHz CP-OFDM 256-QAM - Full RB - ANT1)

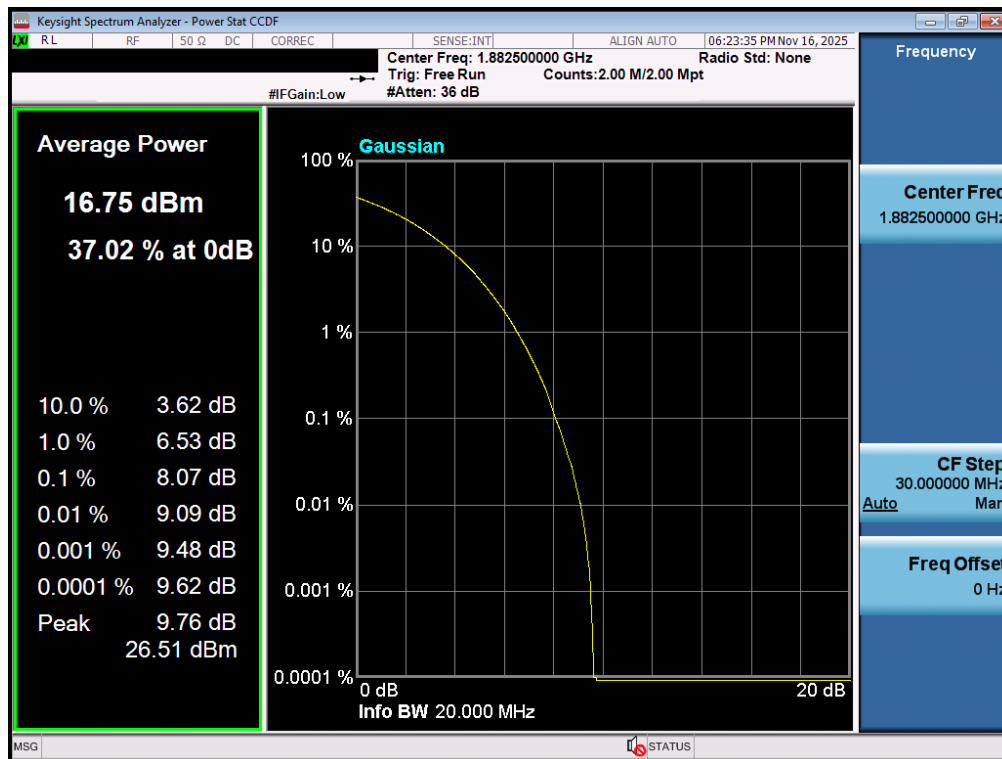


Plot 7-141. PAR Plot (NR Band n25/2 - 20.0MHz DFT-s-OFDM BPSK - Full RB - ANT1)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-06-R1.A3L	Test Dates: 11/16/2025 - 1/3/2026	EUT Type: Portable Handset	Page 110 of 163

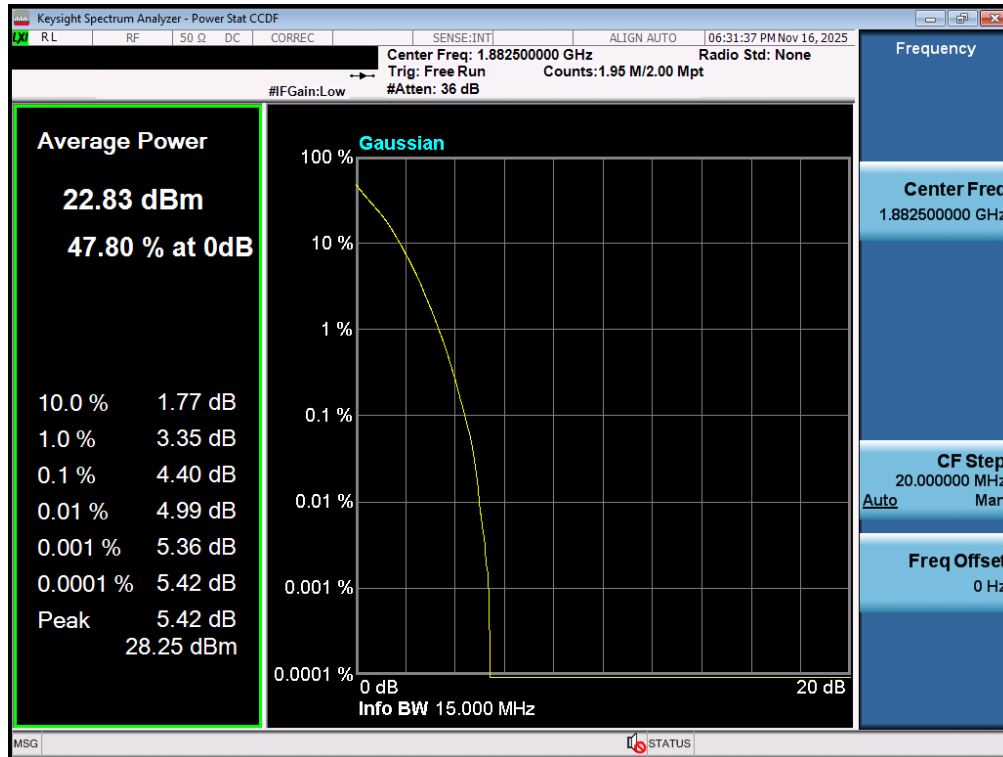


Plot 7-142. PAR Plot (NR Band n25/2 - 20.0MHz CP-OFDM QPSK - Full RB - ANT1)

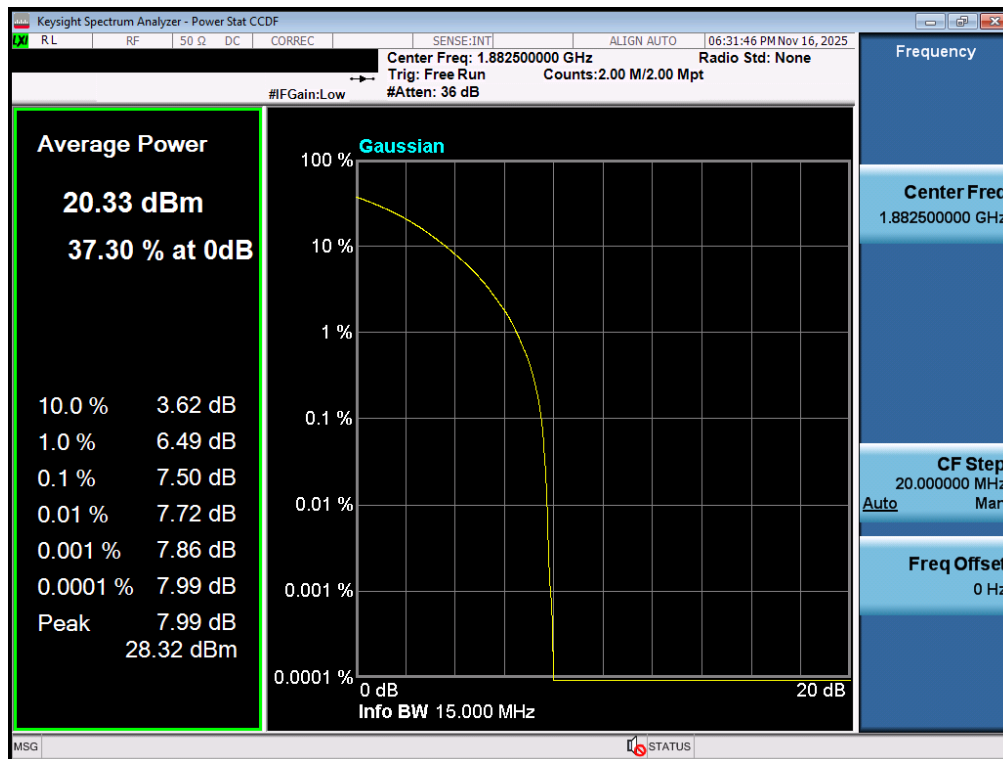


Plot 7-143. PAR Plot (NR Band n25/2 - 20.0MHz CP-OFDM 256-QAM - Full RB - ANT1)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-06-R1.A3L	Test Dates: 11/16/2025 - 1/3/2026	EUT Type: Portable Handset	Page 111 of 163

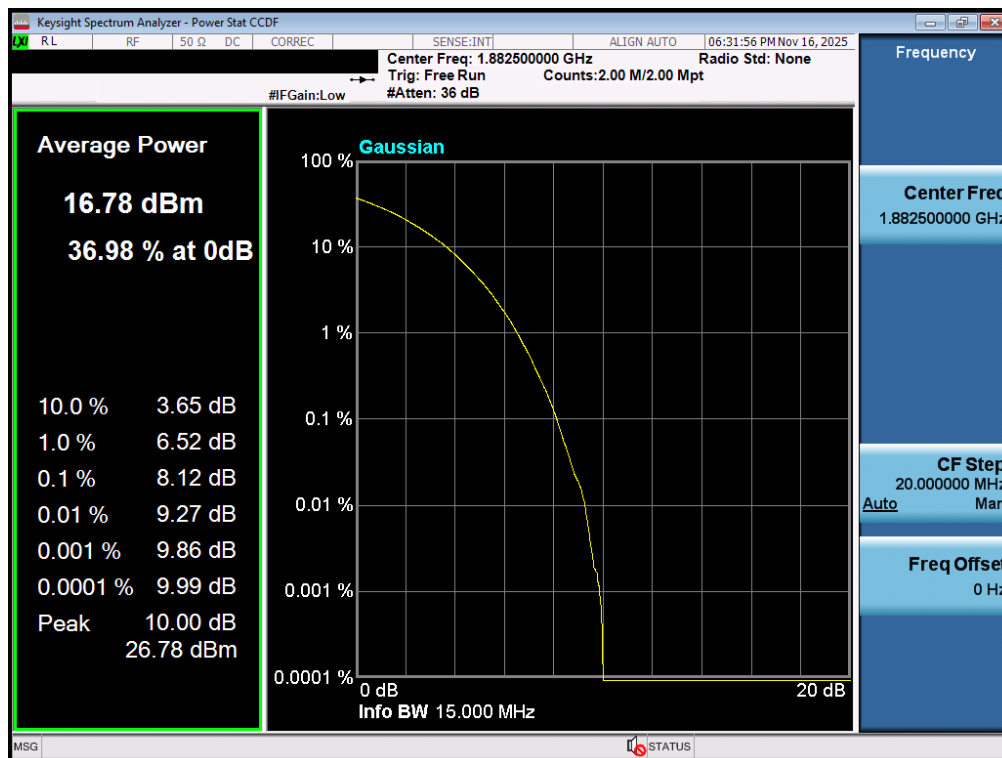


Plot 7-144. PAR Plot (NR Band n25/2 - 15.0MHz DFT-s-OFDM BPSK - Full RB - ANT1)

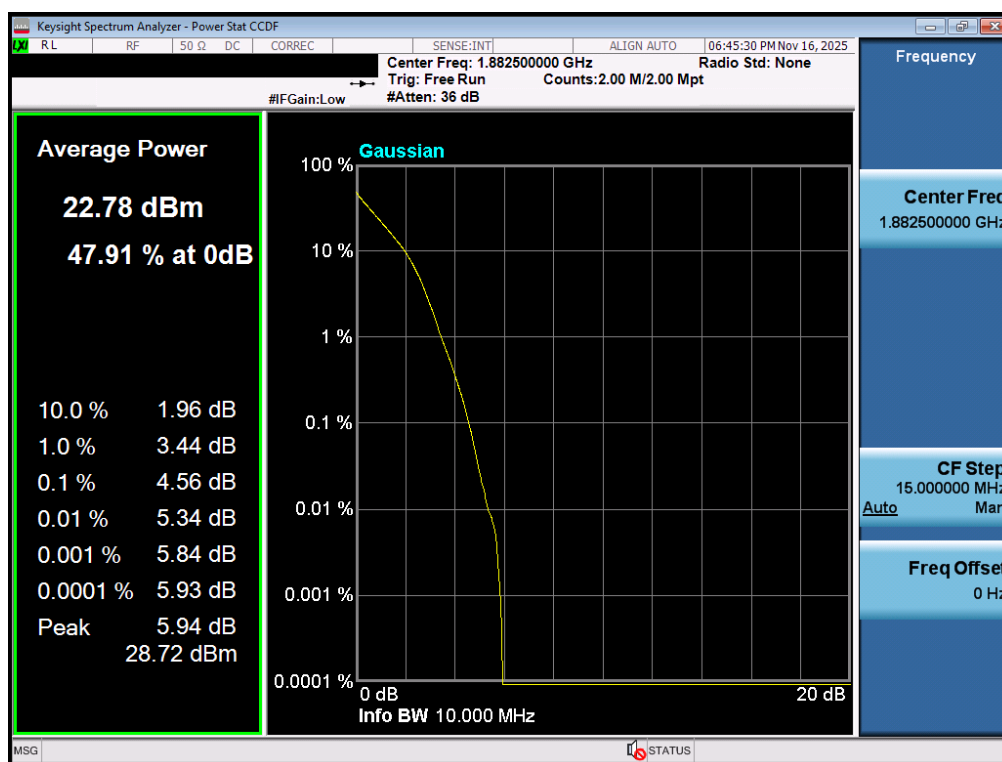


Plot 7-145. PAR Plot (NR Band n25/2 - 15.0MHz CP-OFDM QPSK - Full RB - ANT1)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-06-R1.A3L	Test Dates: 11/16/2025 - 1/3/2026	EUT Type: Portable Handset	Page 112 of 163

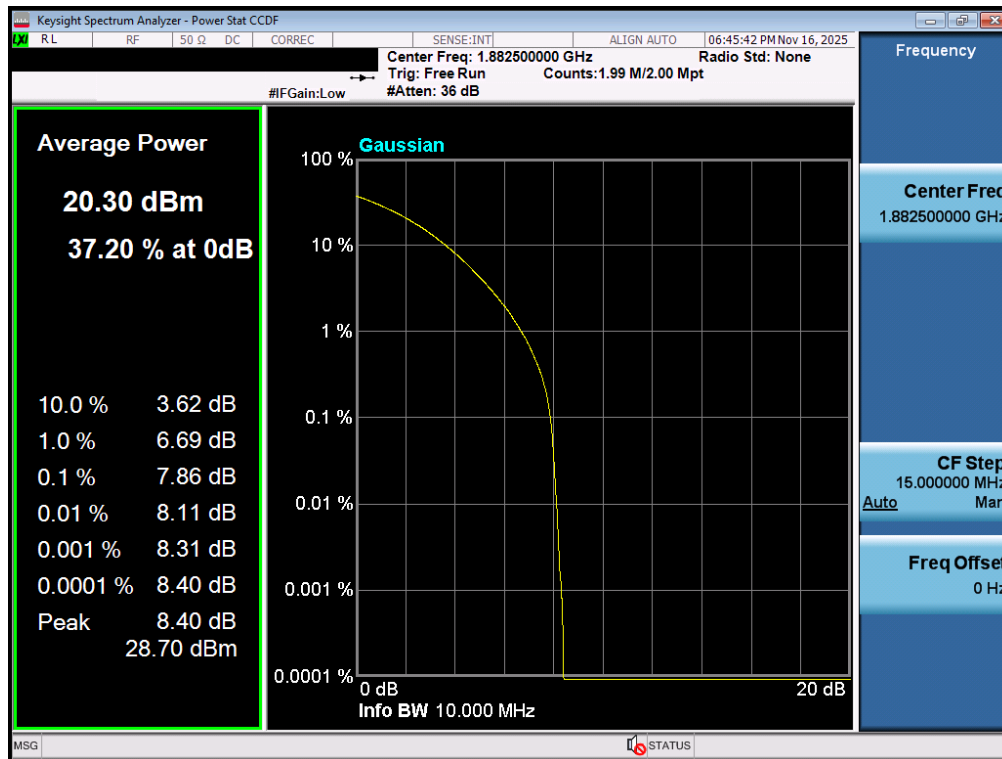


Plot 7-146. PAR Plot (NR Band n25/2 - 15.0MHz CP-OFDM 256-QAM - Full RB - ANT1)

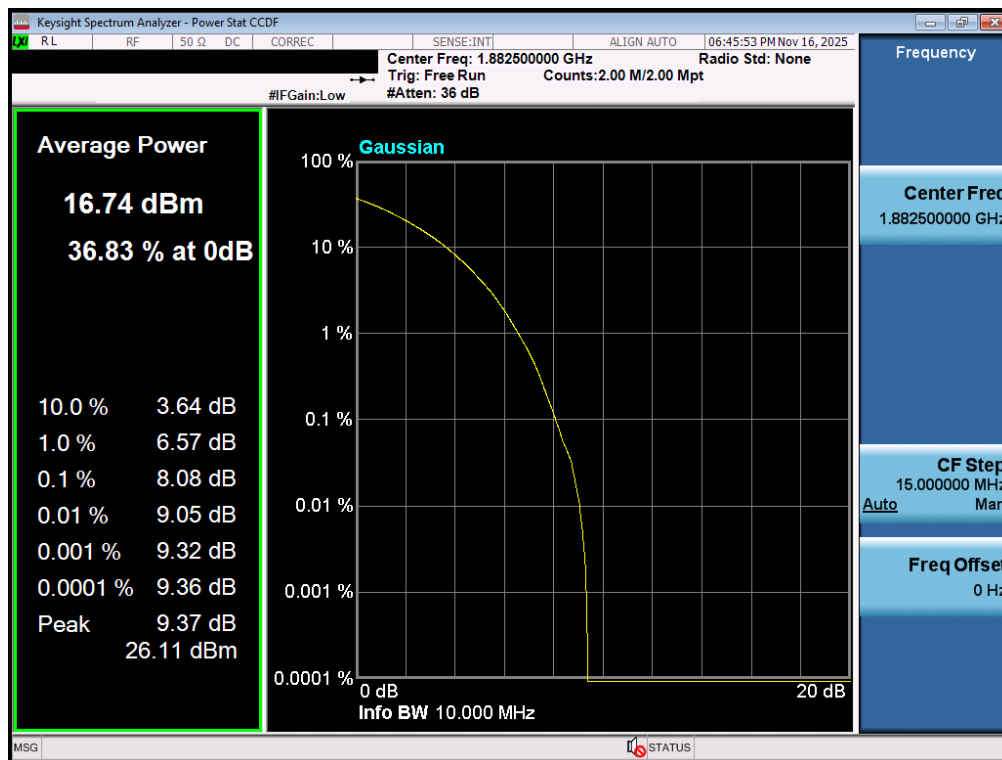


Plot 7-147. PAR Plot (NR Band n25/2 - 10.0MHz DFT-s-OFDM BPSK - Full RB - ANT1)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-06-R1.A3L	Test Dates: 11/16/2025 - 1/3/2026	EUT Type: Portable Handset	Page 113 of 163

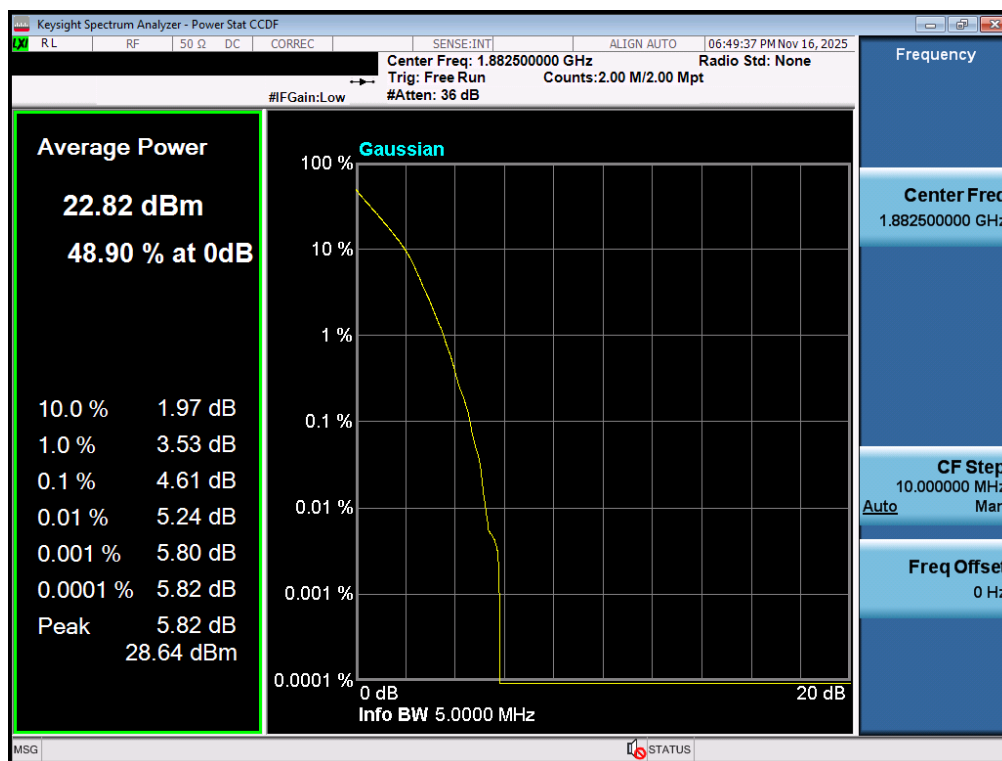


Plot 7-148. PAR Plot (NR Band n25/2 - 10.0MHz CP-OFDM QPSK - Full RB - ANT1)

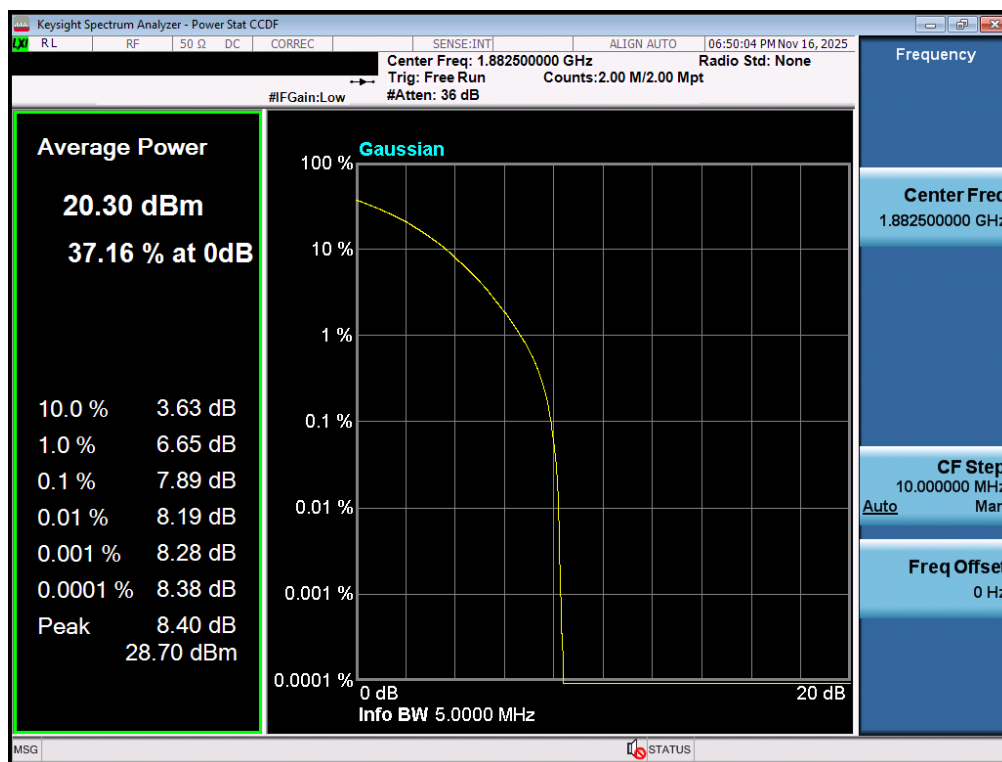


Plot 7-149. PAR Plot (NR Band n25/2 - 10.0MHz CP-OFDM 256-QAM - Full RB - ANT1)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-06-R1.A3L	Test Dates: 11/16/2025 - 1/3/2026	EUT Type: Portable Handset	Page 114 of 163

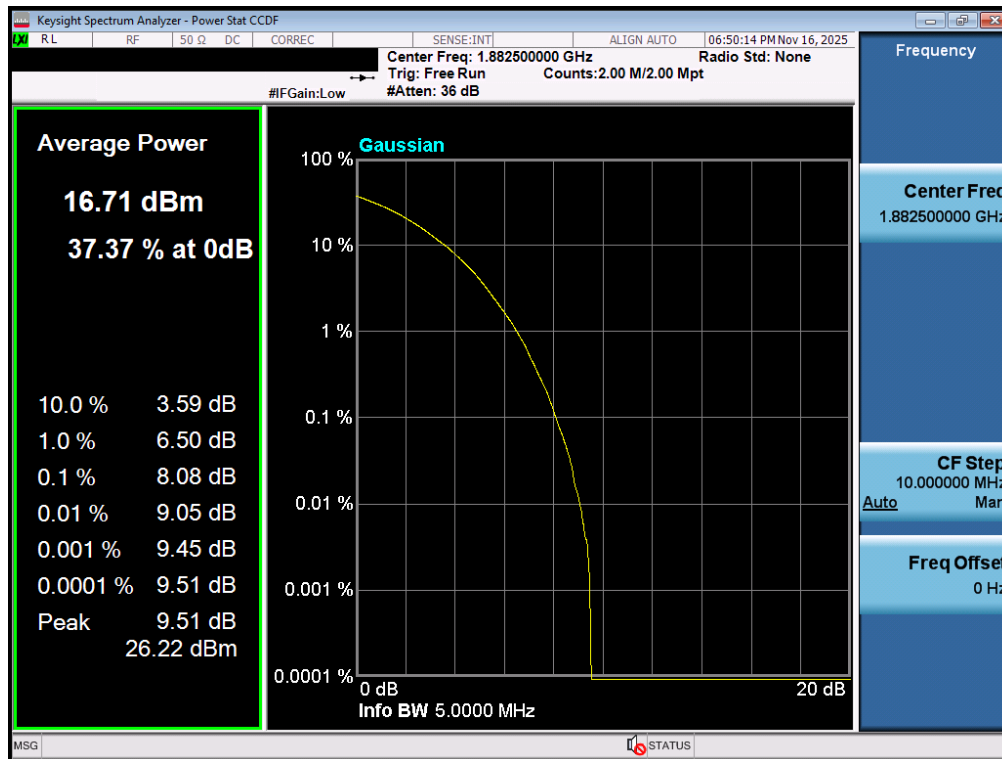


Plot 7-150. PAR Plot (NR Band n25/2 - 5.0MHz DFT-s-OFDM BPSK - Full RB - ANT1)



Plot 7-151. PAR Plot (NR Band n25/2 - 5.0MHz CP-OFDM QPSK - Full RB - ANT1)

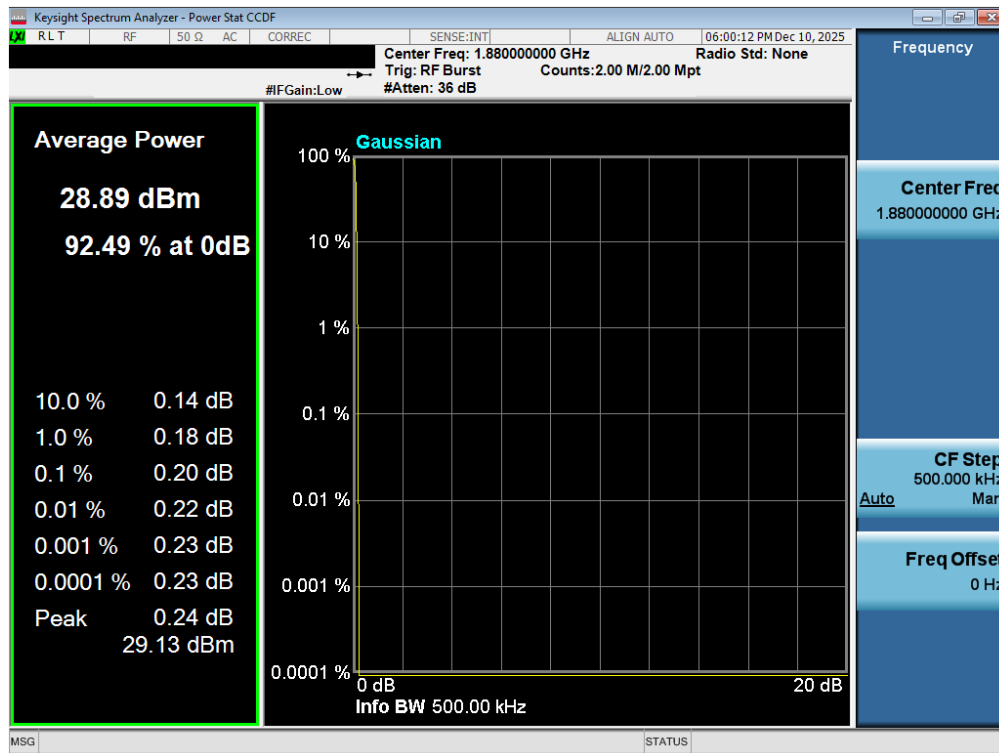
FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-06-R1.A3L	Test Dates: 11/16/2025 - 1/3/2026	EUT Type: Portable Handset	Page 115 of 163



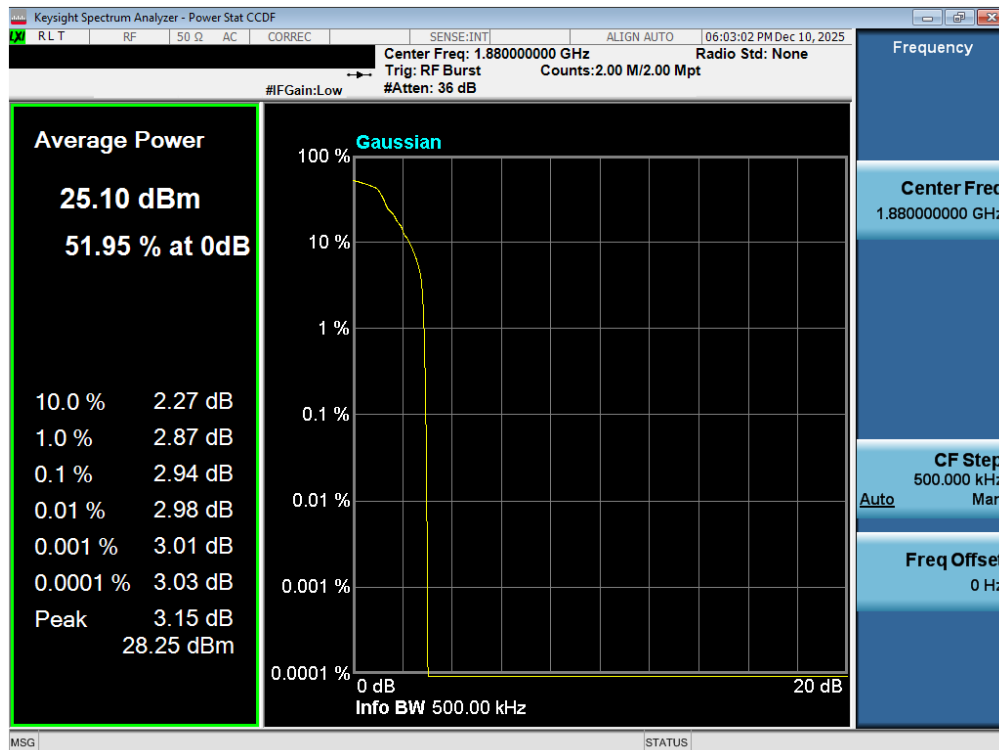
Plot 7-152. PAR Plot (NR Band n25/2 - 5.0MHz CP-OFDM 256-QAM - Full RB - ANT1)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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GSM/GPRS PCS – Ant1



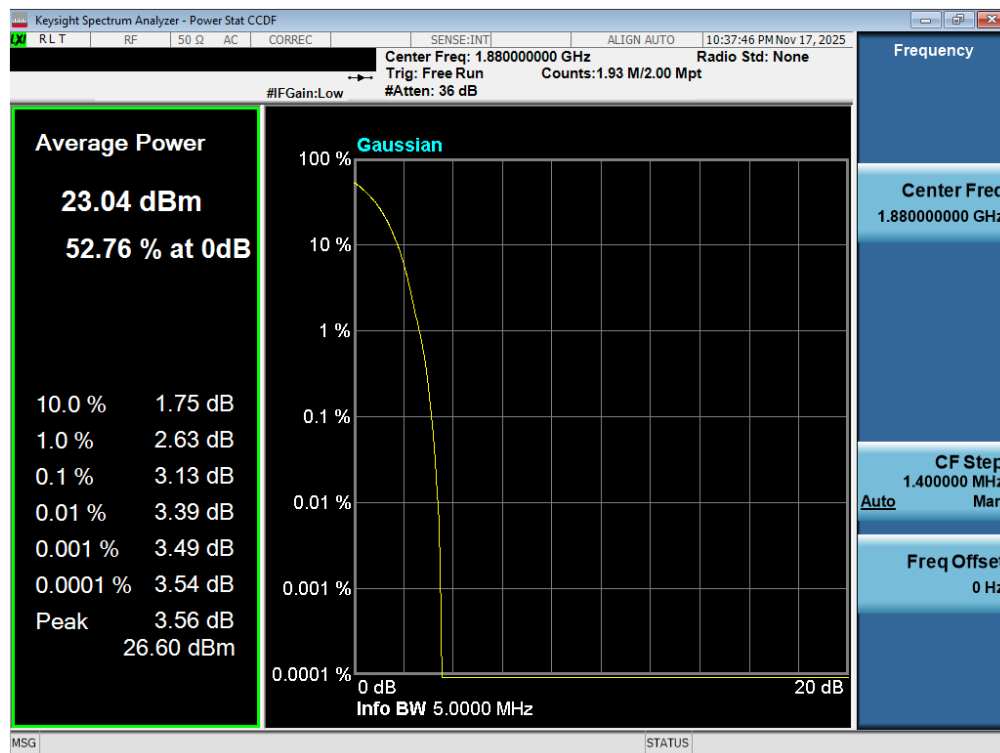
Plot 7-153. PAR Plot (GPRS, Ch. 661 - Ant1)



Plot 7-154. PAR Plot (EDGE, Ch. 661 - Ant1)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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WCDMA PCS – Ant1



Plot 7-155. PAR Plot (WCDMA, Ch. 9400 - Ant1)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-06-R1.A3L	Test Dates: 11/16/2025 - 1/3/2026	EUT Type: Portable Handset	Page 118 of 163

Mode	Bandwidth	Modulation	Average Power [dBm]	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
LTE-B25-2	20MHz	QPSK	21.56	5.88	13	-7.12
		256QAM	17.47	6.64	13	-6.36
	15MHz	QPSK	21.59	5.77	13	-7.23
		256QAM	17.47	6.56	13	-6.44
	10MHz	QPSK	21.51	5.99	13	-7.01
		256QAM	17.51	6.53	13	-6.47
	5MHz	QPSK	21.51	6.01	13	-6.99
		256QAM	17.50	6.55	13	-6.45
	3MHz	QPSK	21.52	5.87	13	-7.13
		256QAM	17.48	6.55	13	-6.45
	1.4MHz	QPSK	21.50	5.88	13	-7.12
		256QAM	17.48	6.70	13	-6.30

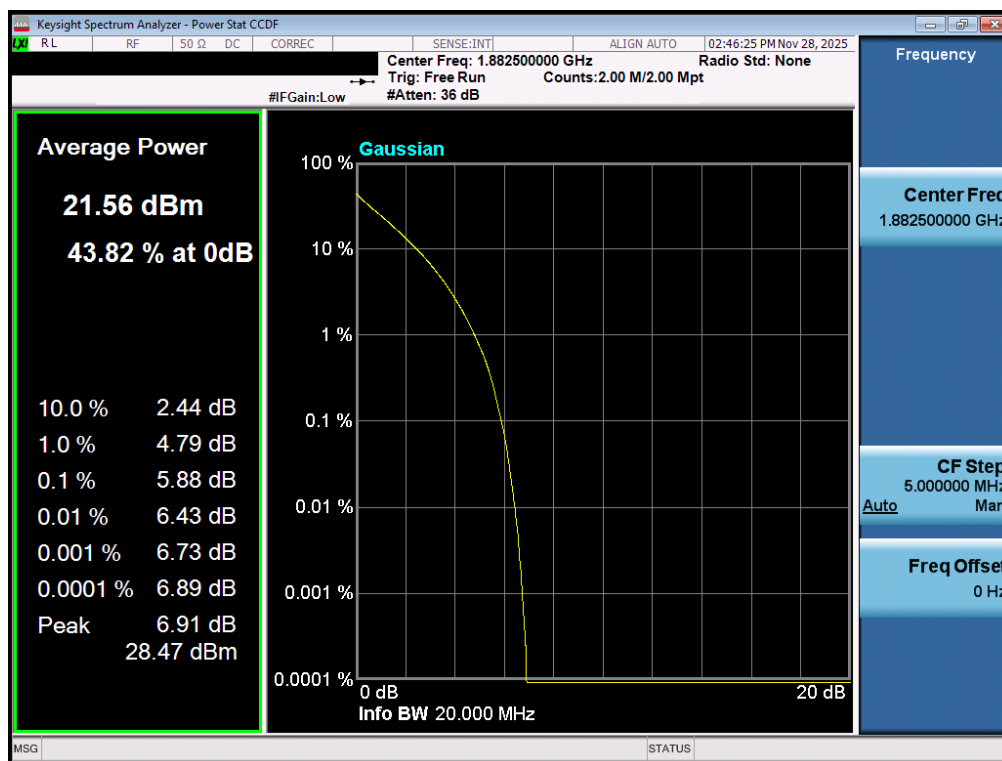
Table 7-20. Peak-Average Ratio Results – Ant2

Mode	Bandwidth	Modulation	Average Power [dBm]	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
NR-n25-2	40MHz	BPSK	22.08	5.07	13	-7.93
		QPSK	19.57	7.87	13	-5.13
		256QAM	16.03	8.47	13	-4.53
	30MHz	BPSK	22.08	4.42	13	-8.58
		QPSK	19.57	7.77	13	-5.23
		256QAM	16.05	8.35	13	-4.65
	25MHz	BPSK	22.05	4.71	13	-8.29
		QPSK	19.57	7.75	13	-5.25
		256QAM	16.12	8.50	13	-4.51
	20MHz	BPSK	22.07	4.57	13	-8.43
		QPSK	19.58	7.98	13	-5.02
		256QAM	16.14	8.37	13	-4.63
	15MHz	BPSK	22.05	4.52	13	-8.48
		QPSK	19.56	7.93	13	-5.07
		256QAM	16.13	8.43	13	-4.57
	10MHz	BPSK	22.09	4.66	13	-8.34
		QPSK	19.59	7.98	13	-5.02
		256QAM	16.16	8.34	13	-4.66
	5MHz	BPSK	22.07	4.70	13	-8.30
		QPSK	19.55	7.96	13	-5.04
		256QAM	15.74	8.73	13	-4.27

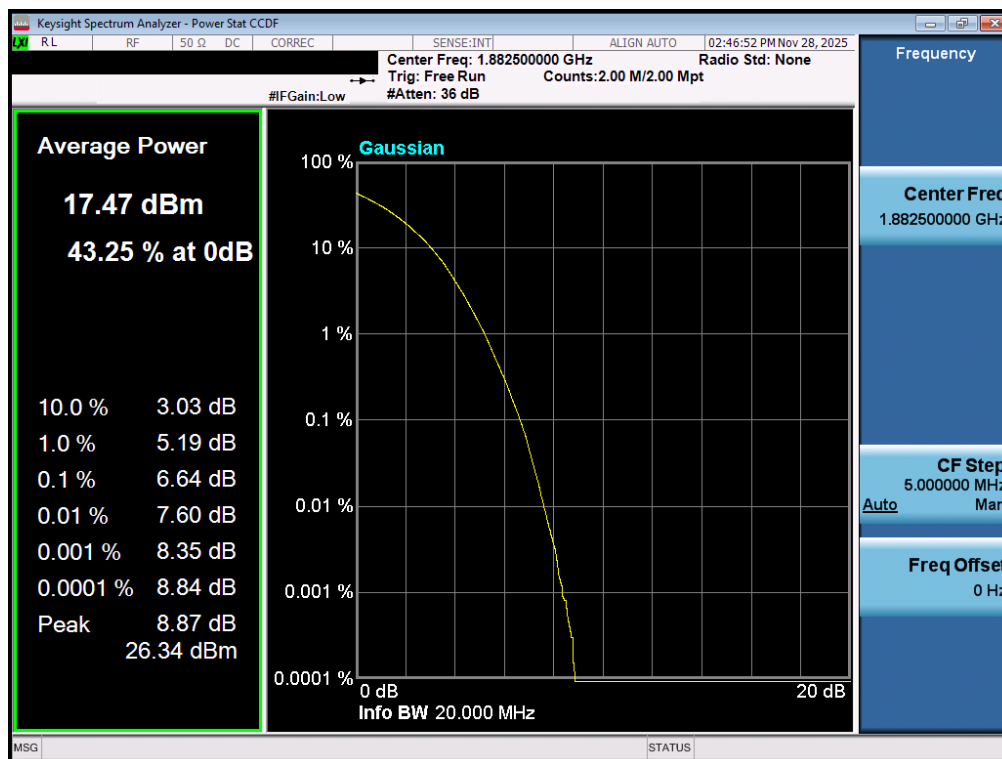
Table 7-21. Peak-Average Ratio Results – Ant2

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-06-R1.A3L	Test Dates: 11/16/2025 - 1/3/2026	EUT Type: Portable Handset	Page 119 of 163

LTE Band 25/2 – Ant2

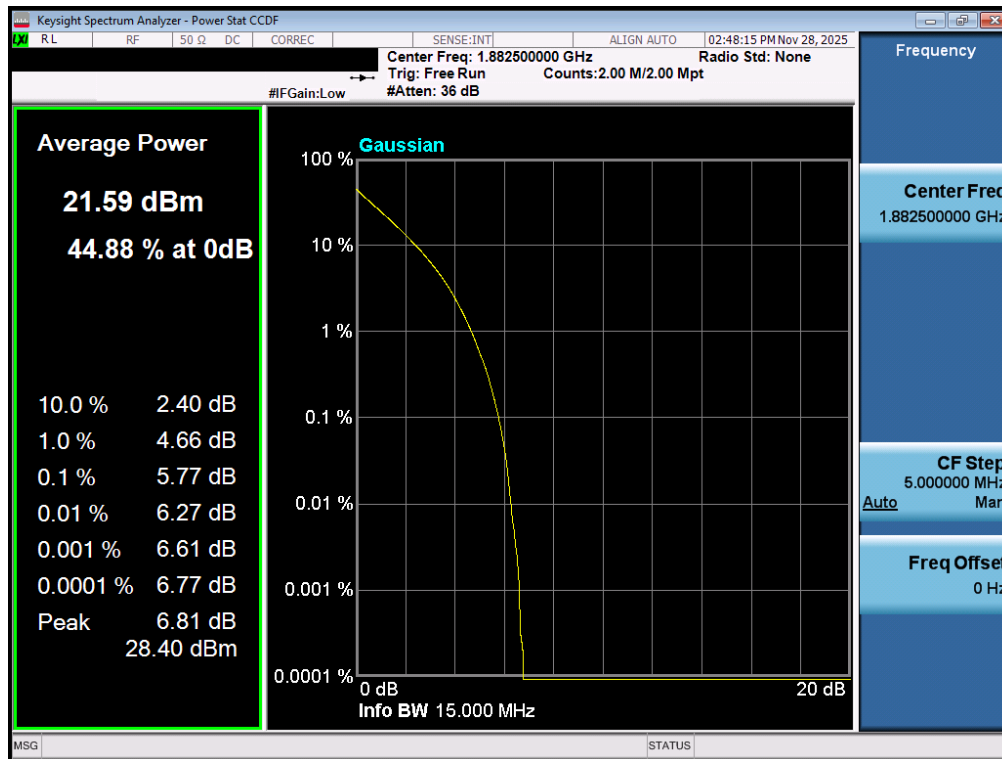


Plot 7-156. PAR Plot (LTE Band 25/2 - 20MHz QPSK - Full RB - Ant2)

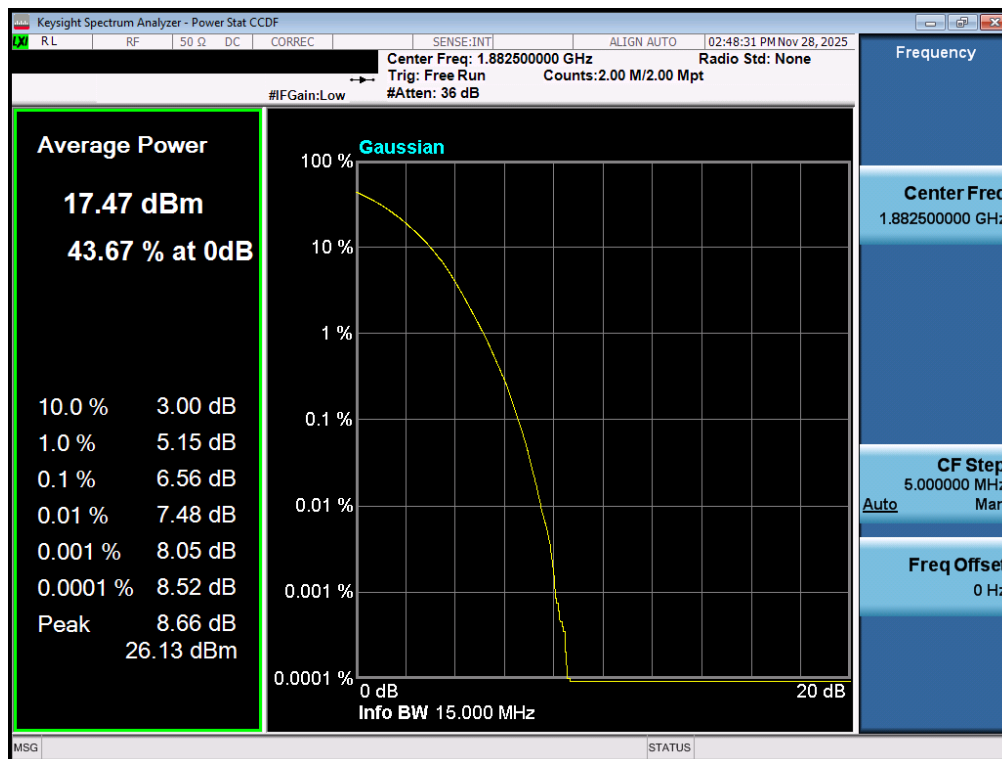


Plot 7-157. PAR Plot (LTE Band 25/2 - 20MHz 256-QAM - Full RB - Ant2)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-06-R1.A3L	Test Dates: 11/16/2025 - 1/3/2026	EUT Type: Portable Handset	Page 120 of 163

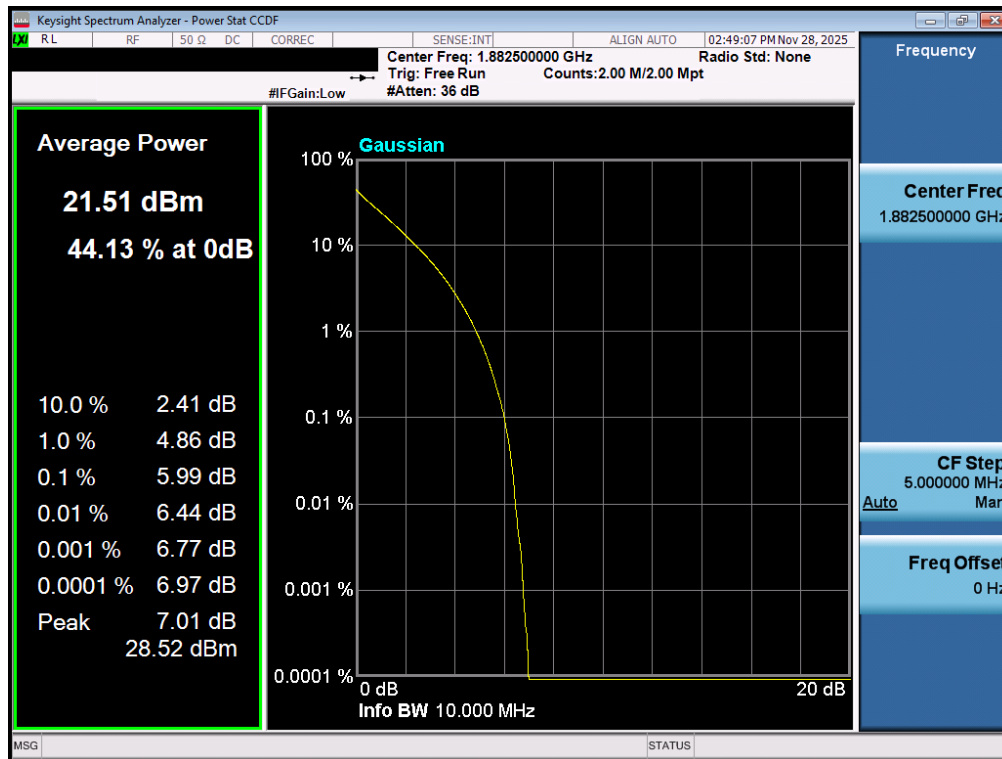


Plot 7-158. PAR Plot (LTE Band 25/2 - 15MHz QPSK - Full RB - Ant2)

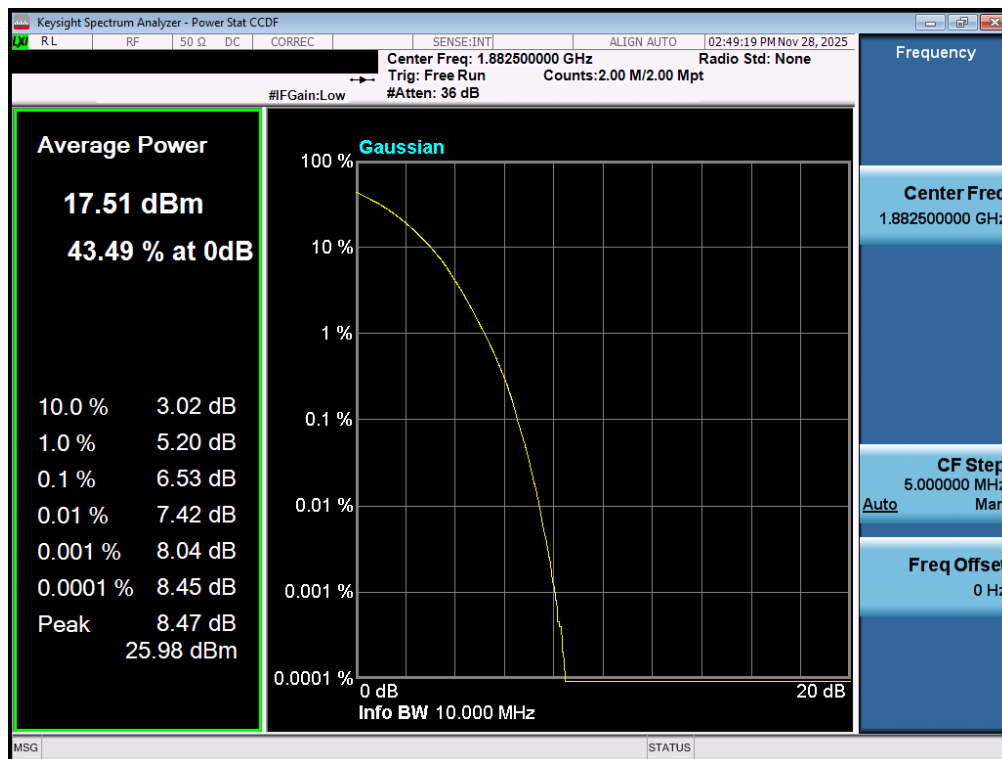


Plot 7-159. PAR Plot (LTE Band 25/2 - 15MHz 256-QAM - Full RB - Ant2)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-06-R1.A3L	Test Dates: 11/16/2025 - 1/3/2026	EUT Type: Portable Handset	Page 121 of 163

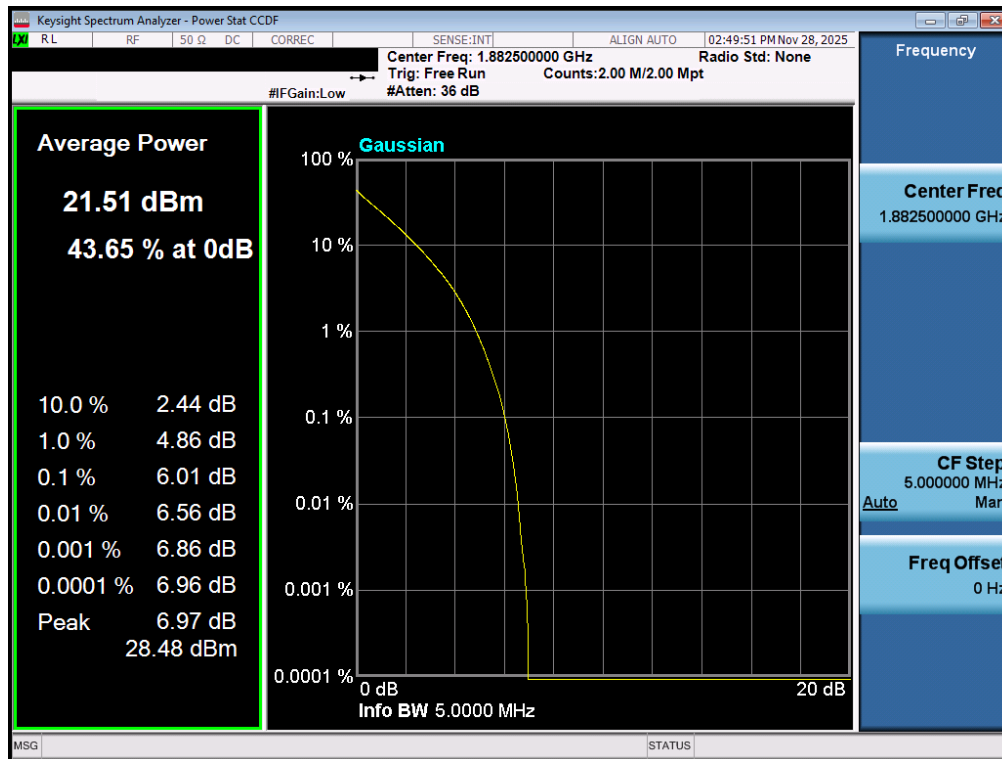


Plot 7-160. PAR Plot (LTE Band 25/2 - 10MHz QPSK - Full RB - Ant2)

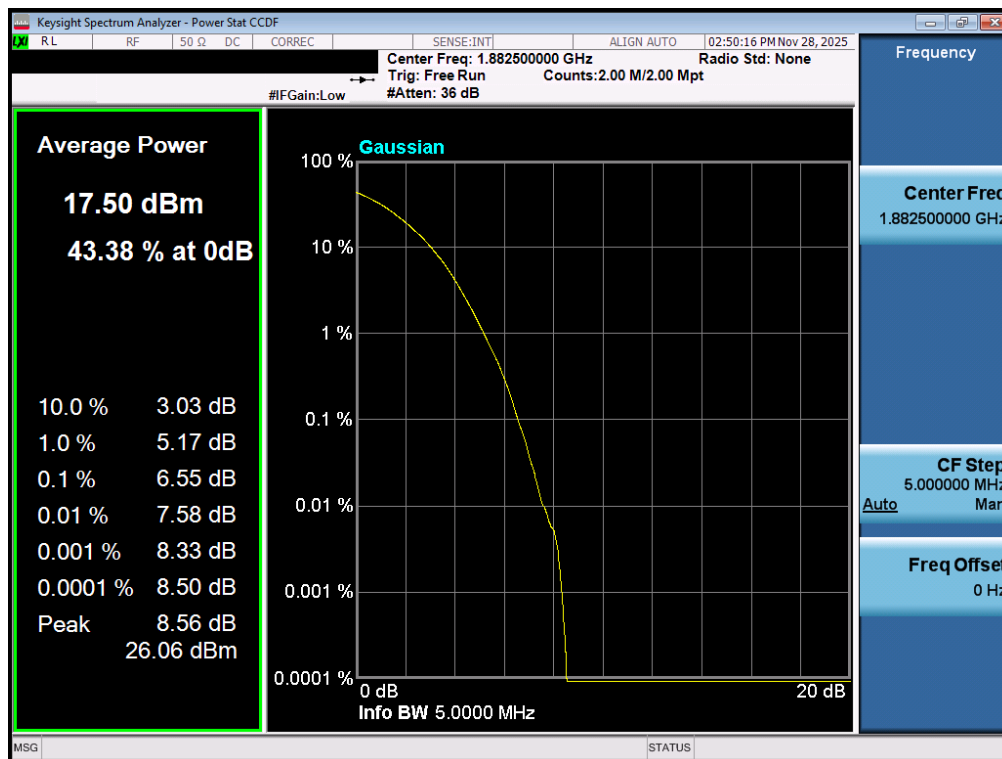


Plot 7-161. PAR Plot (LTE Band 25/2 - 10MHz 256-QAM - Full RB - Ant2)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-06-R1.A3L	Test Dates: 11/16/2025 - 1/3/2026	EUT Type: Portable Handset	Page 122 of 163

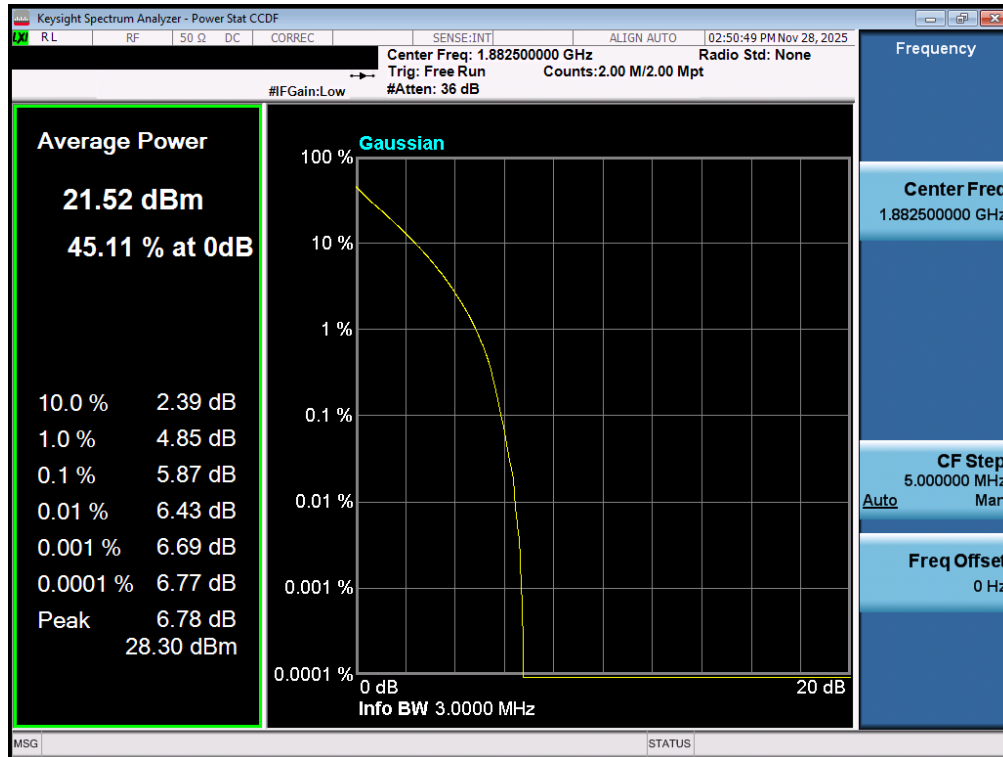


Plot 7-162. PAR Plot (LTE Band 25/2 - 5MHz QPSK - Full RB - Ant2)

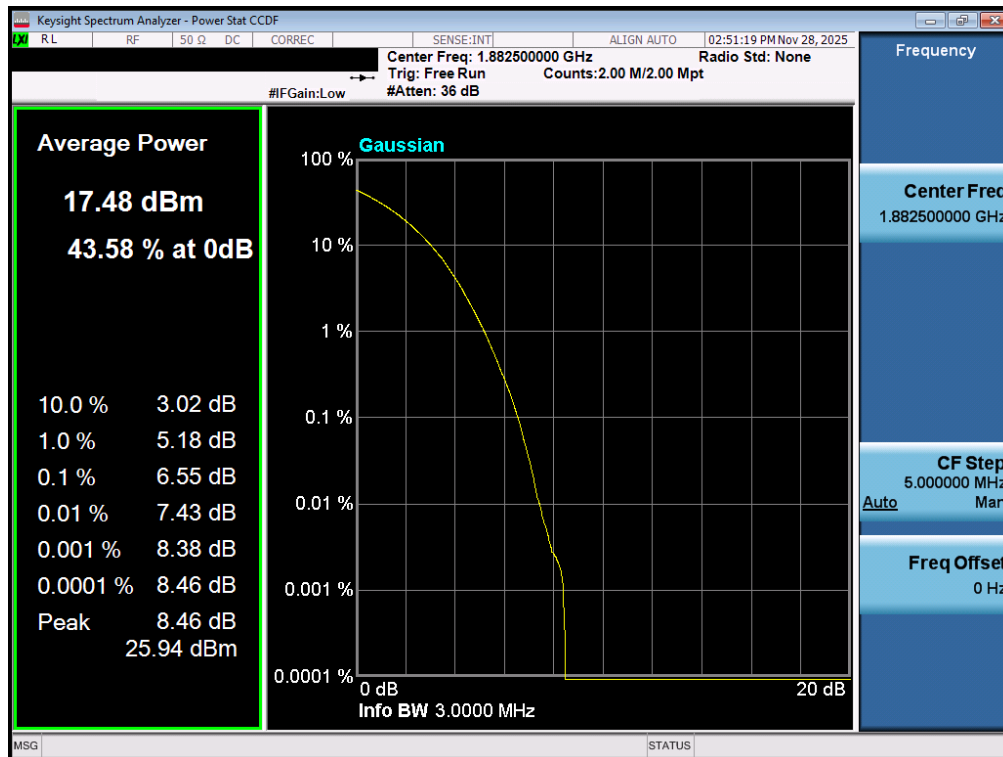


Plot 7-163. PAR Plot (LTE Band 25/2 - 5MHz 256-QAM - Full RB - Ant2)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-06-R1.A3L	Test Dates: 11/16/2025 - 1/3/2026	EUT Type: Portable Handset	Page 123 of 163

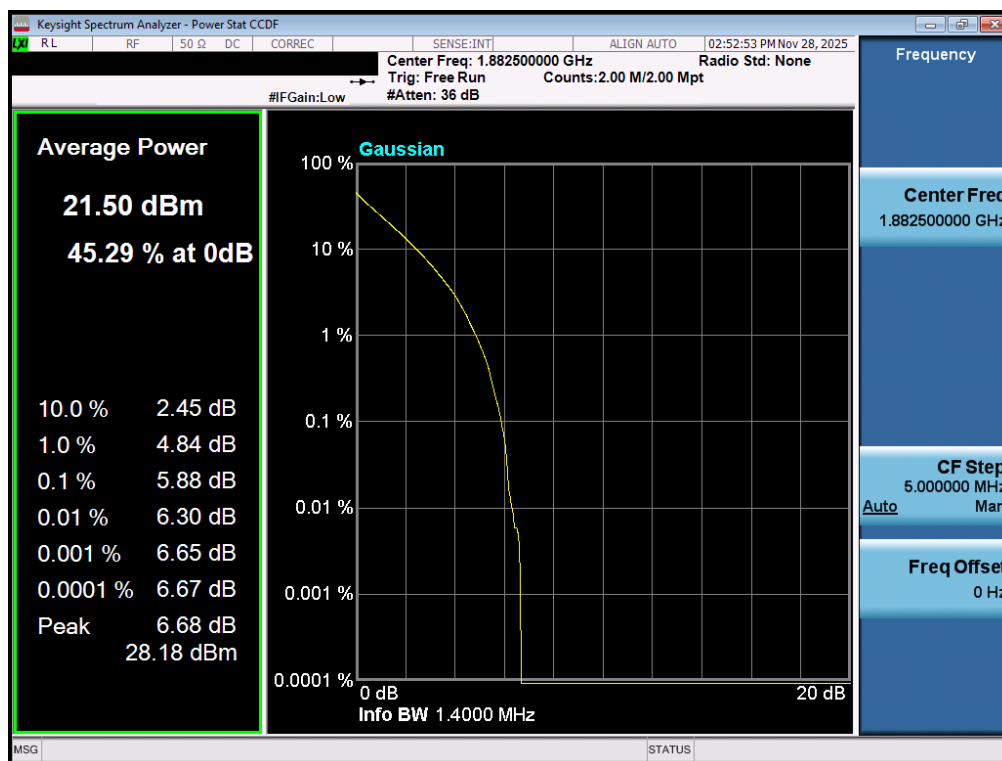


Plot 7-164. PAR Plot (LTE Band 25/2 - 3MHz QPSK - Full RB - Ant2)

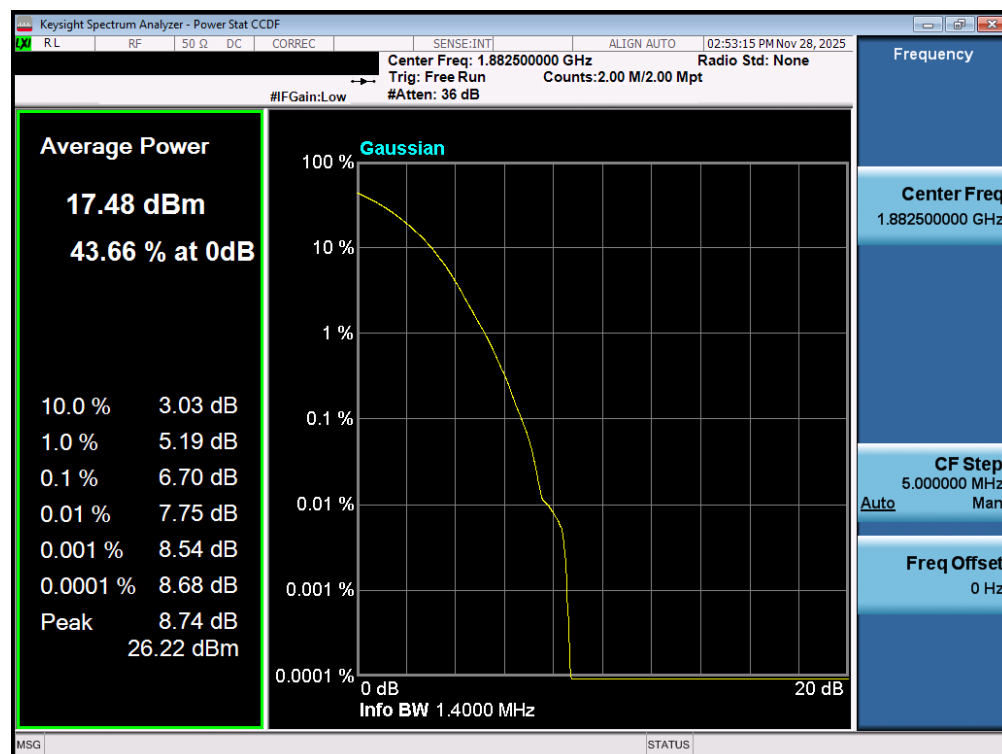


Plot 7-165. PAR Plot (LTE Band 25/2 - 3MHz 256-QAM - Full RB - Ant2)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-06-R1.A3L	Test Dates: 11/16/2025 - 1/3/2026	EUT Type: Portable Handset	Page 124 of 163



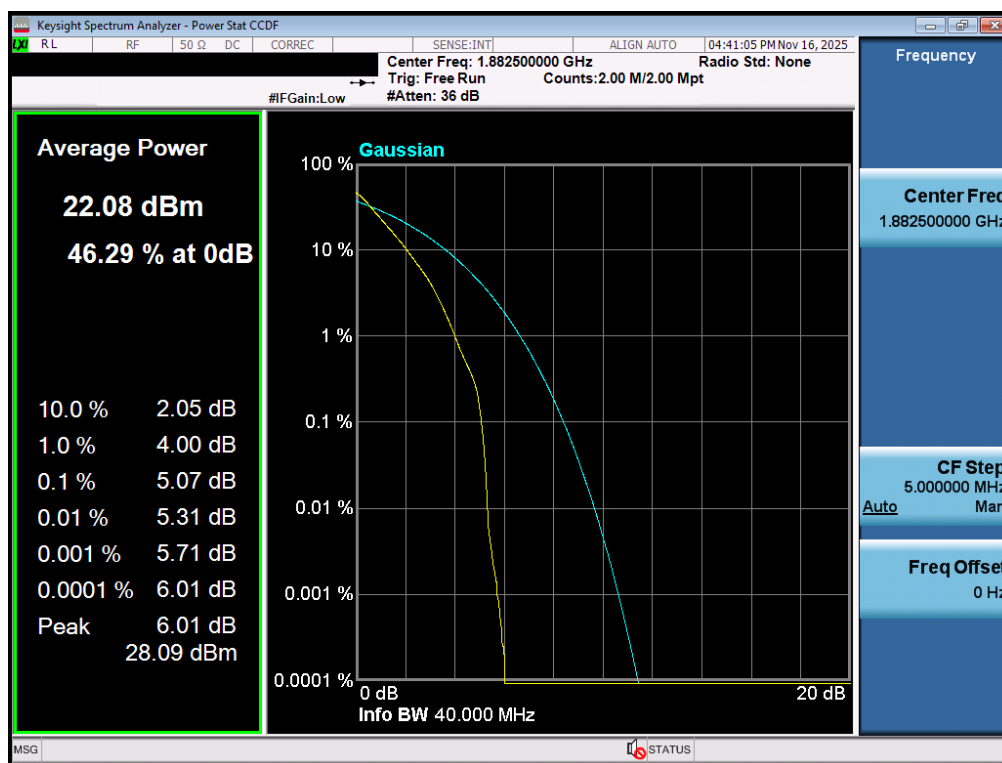
Plot 7-166. PAR Plot (LTE Band 25/2 - 1.4MHz QPSK - Full RB - Ant2)



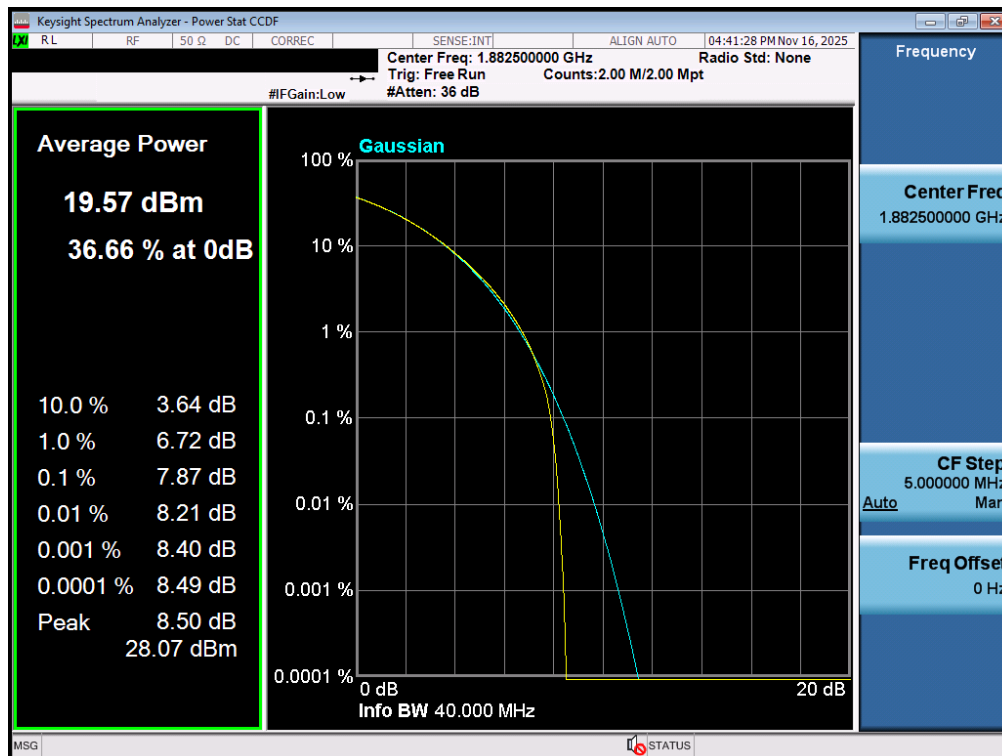
Plot 7-167. PAR Plot (LTE Band 25/2 - 1.4MHz 256-QAM - Full RB - Ant2)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n25/2 – Ant2

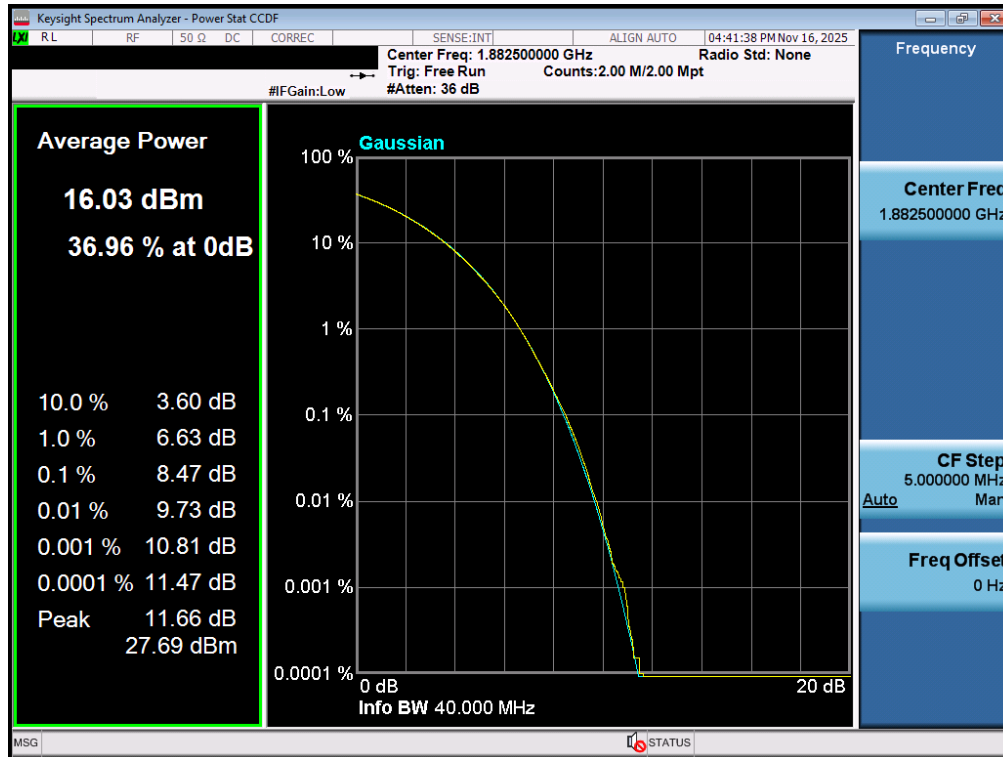


Plot 7-168. PAR Plot (NR Band n25/2 - 40.0MHz DFT-s-OFDM BPSK - Full RB - ANT2)

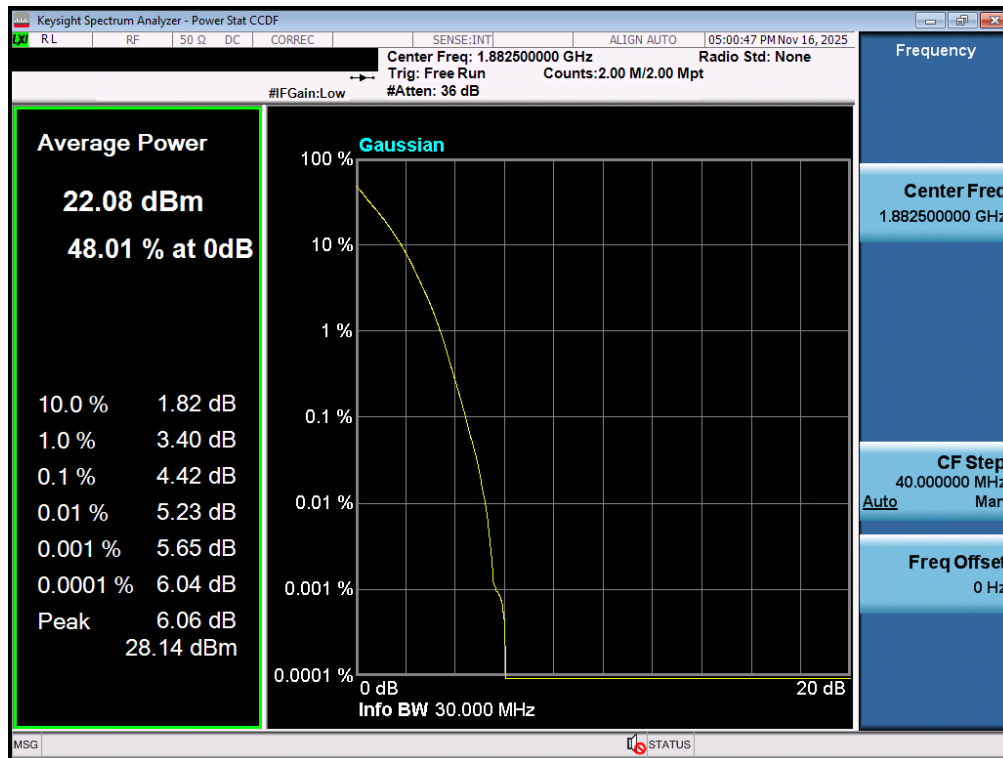


Plot 7-169. PAR Plot (NR Band n25/2 - 40.0MHz CP-OFDM QPSK - Full RB - ANT2)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-06-R1.A3L	Test Dates: 11/16/2025 - 1/3/2026	EUT Type: Portable Handset	Page 126 of 163

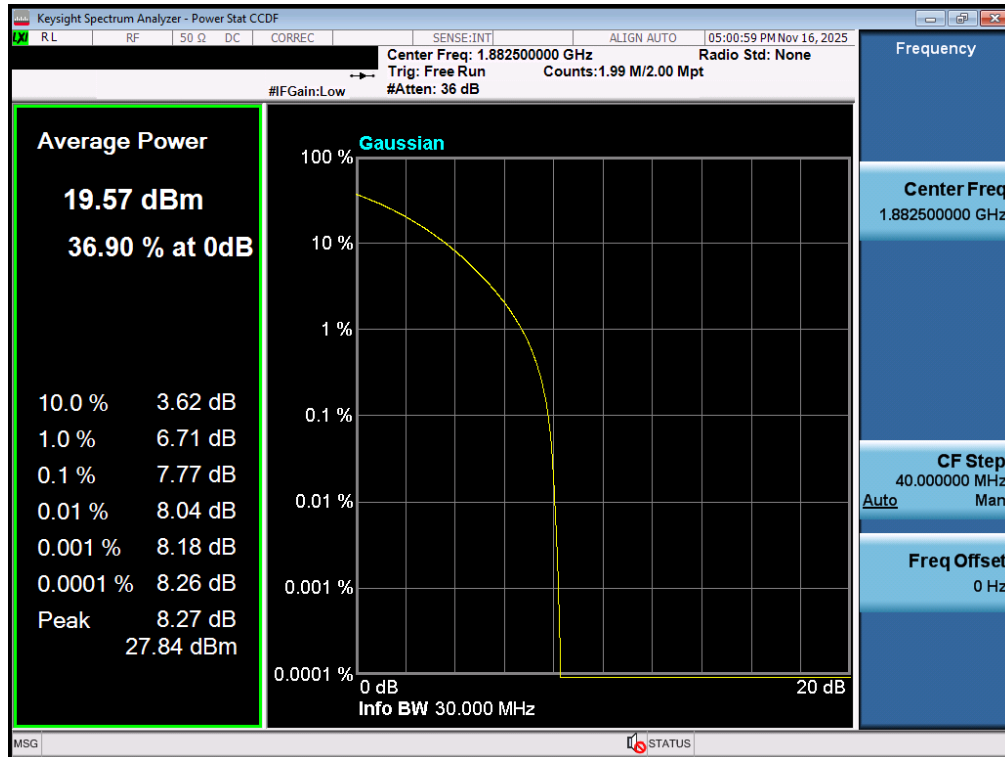


Plot 7-170. PAR Plot (NR Band n25/2 - 40.0MHz CP-OFDM 256-QAM - Full RB - ANT2)

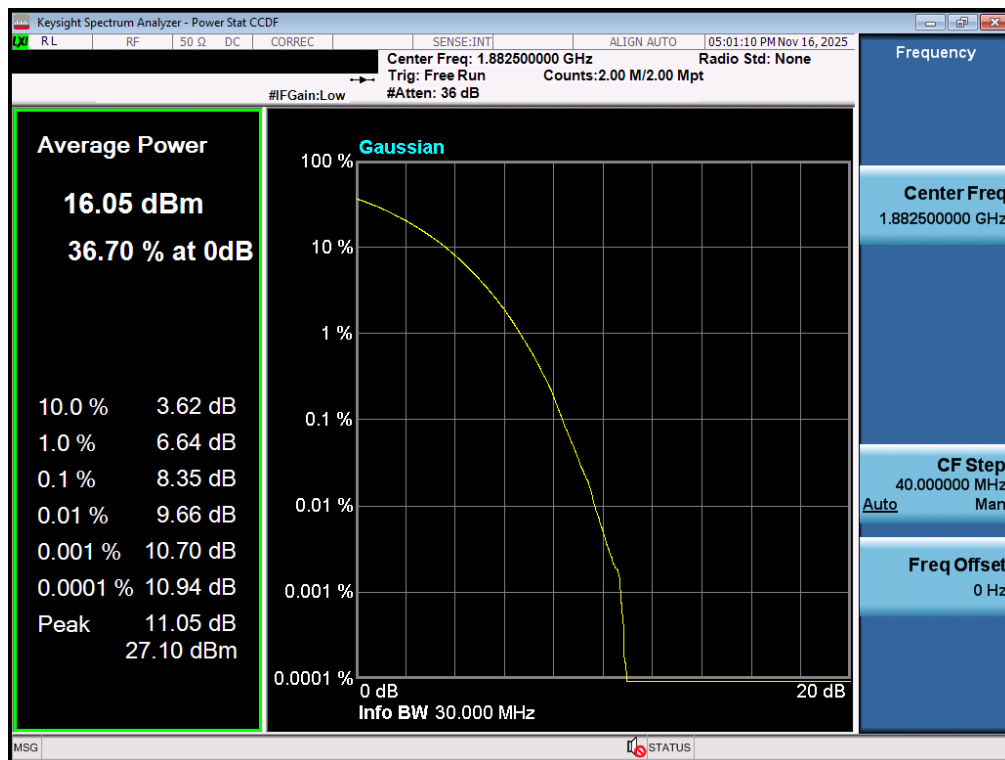


Plot 7-171. PAR Plot (NR Band n25/2 - 30.0MHz DFT-s-OFDM BPSK - Full RB - ANT2)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-06-R1.A3L	Test Dates: 11/16/2025 - 1/3/2026	EUT Type: Portable Handset	Page 127 of 163

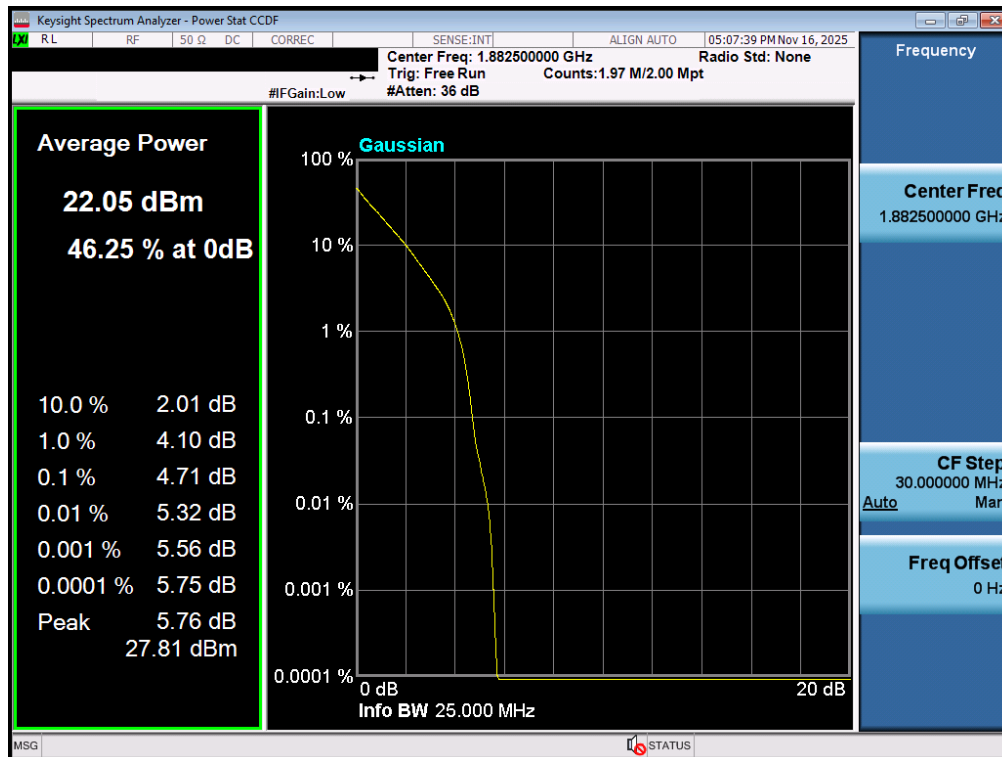


Plot 7-172. PAR Plot (NR Band n25/2 - 30.0MHz CP-OFDM QPSK - Full RB - ANT2)

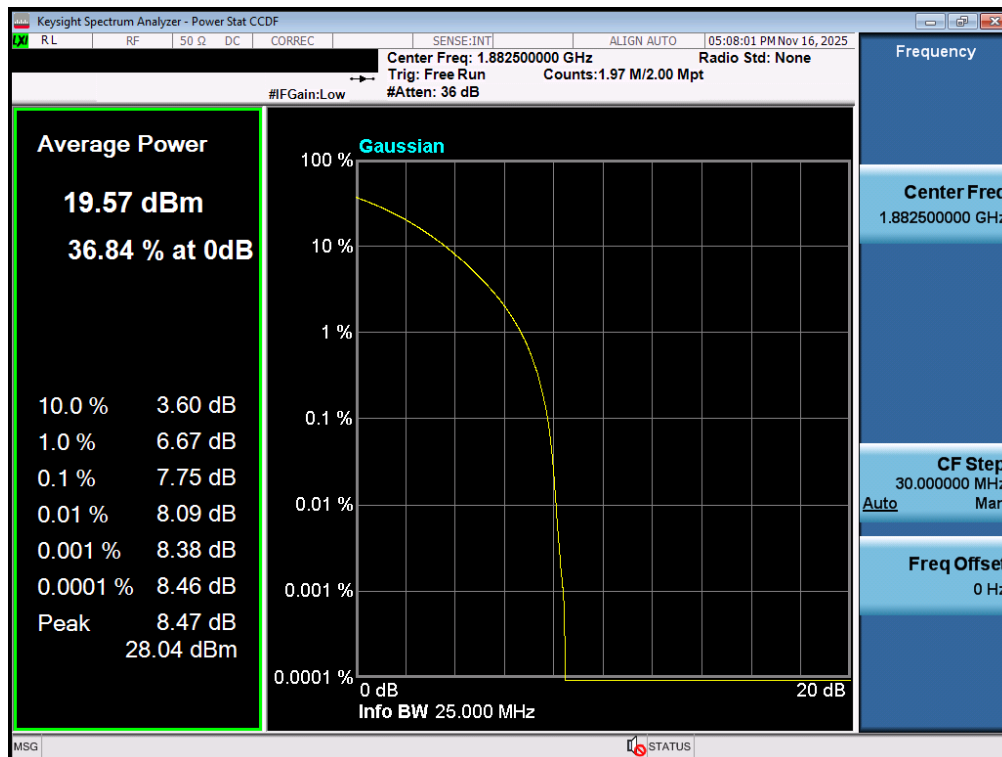


Plot 7-173. PAR Plot (NR Band n25/2 - 30.0MHz CP-OFDM 256-QAM - Full RB - ANT2)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-06-R1.A3L	Test Dates: 11/16/2025 - 1/3/2026	EUT Type: Portable Handset	Page 128 of 163



Plot 7-174. PAR Plot (NR Band n25/2 - 25.0MHz DFT-s-OFDM BPSK - Full RB - ANT2)

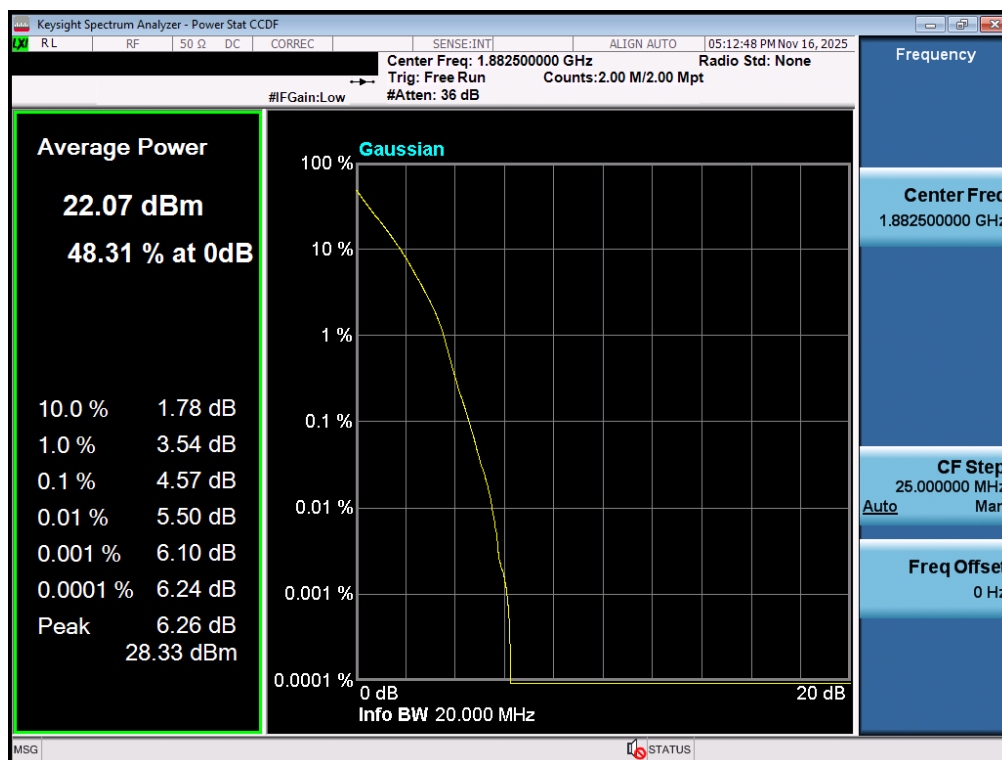


Plot 7-175. PAR Plot (NR Band n25/2 - 25.0MHz CP-OFDM QPSK - Full RB - ANT2)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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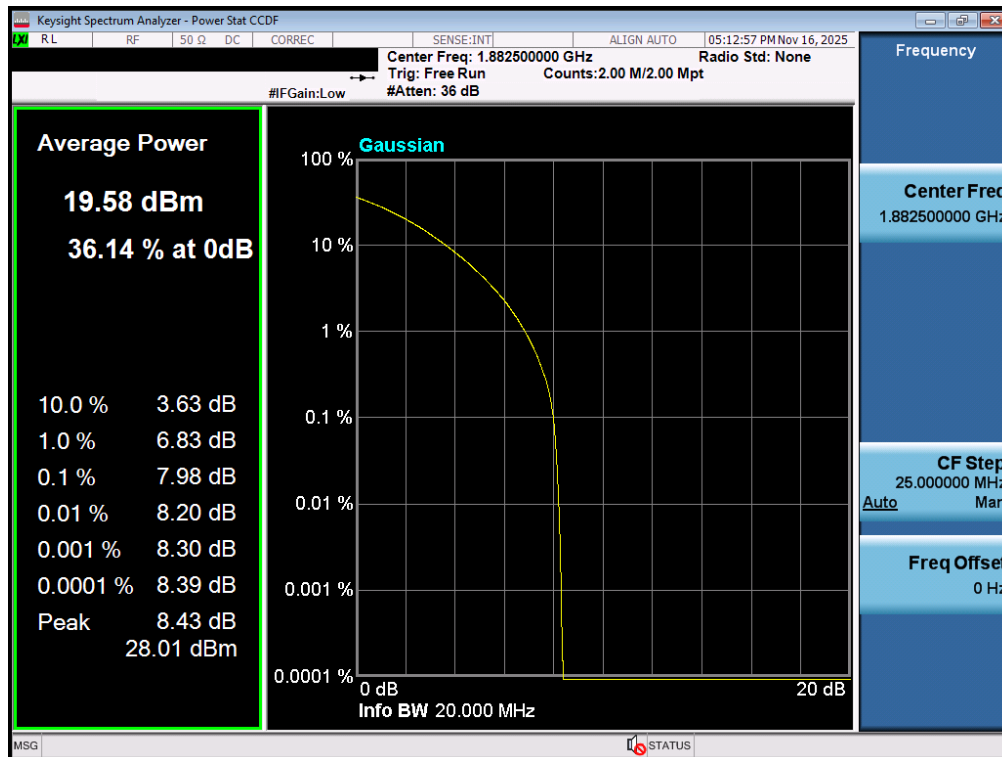


Plot 7-176. PAR Plot (NR Band n25/2 - 25.0MHz CP-OFDM 256-QAM - Full RB - ANT2)

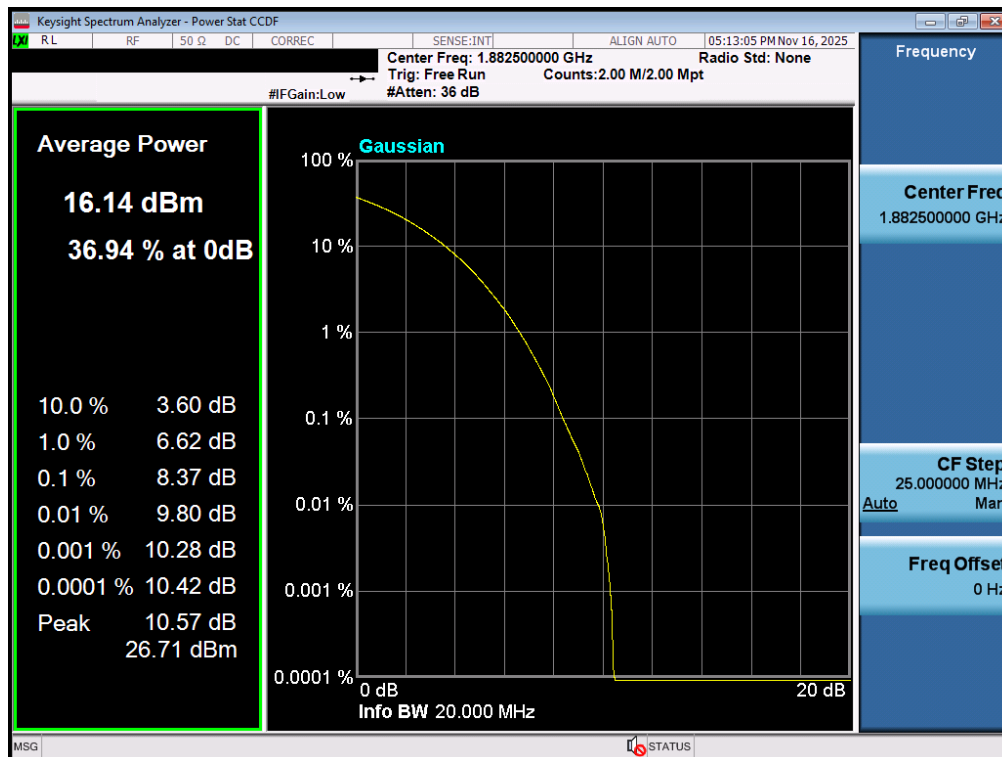


Plot 7-177. PAR Plot (NR Band n25/2 - 20.0MHz DFT-s-OFDM BPSK - Full RB - ANT2)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-06-R1.A3L	Test Dates: 11/16/2025 - 1/3/2026	EUT Type: Portable Handset	Page 130 of 163

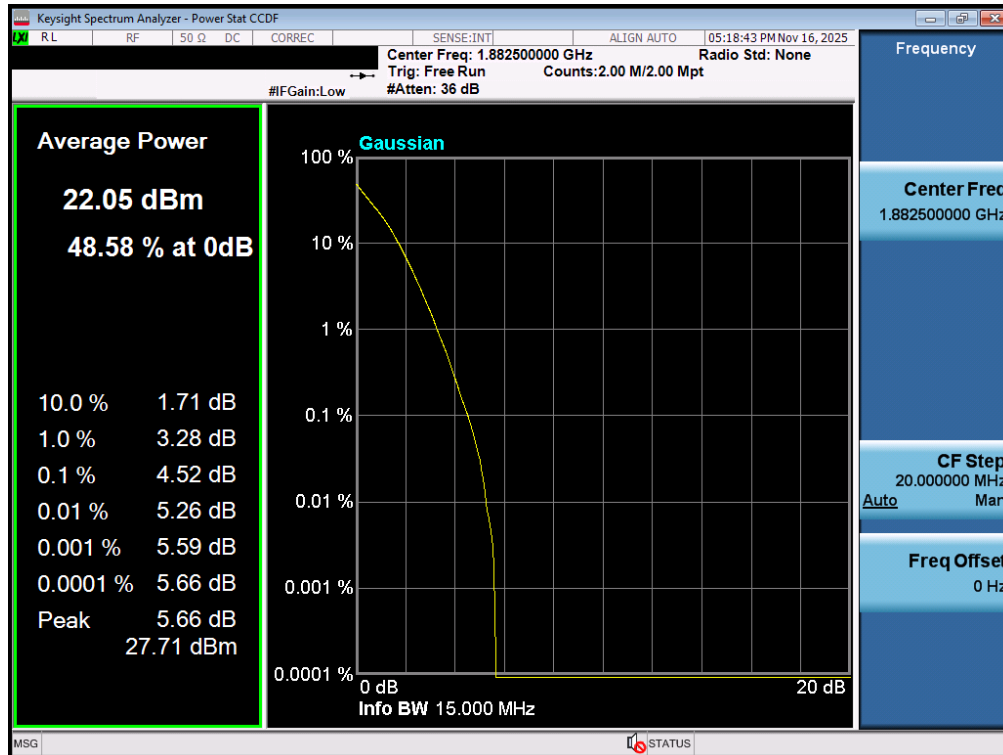


Plot 7-178. PAR Plot (NR Band n25/2 - 20.0MHz CP-OFDM QPSK - Full RB - ANT2)

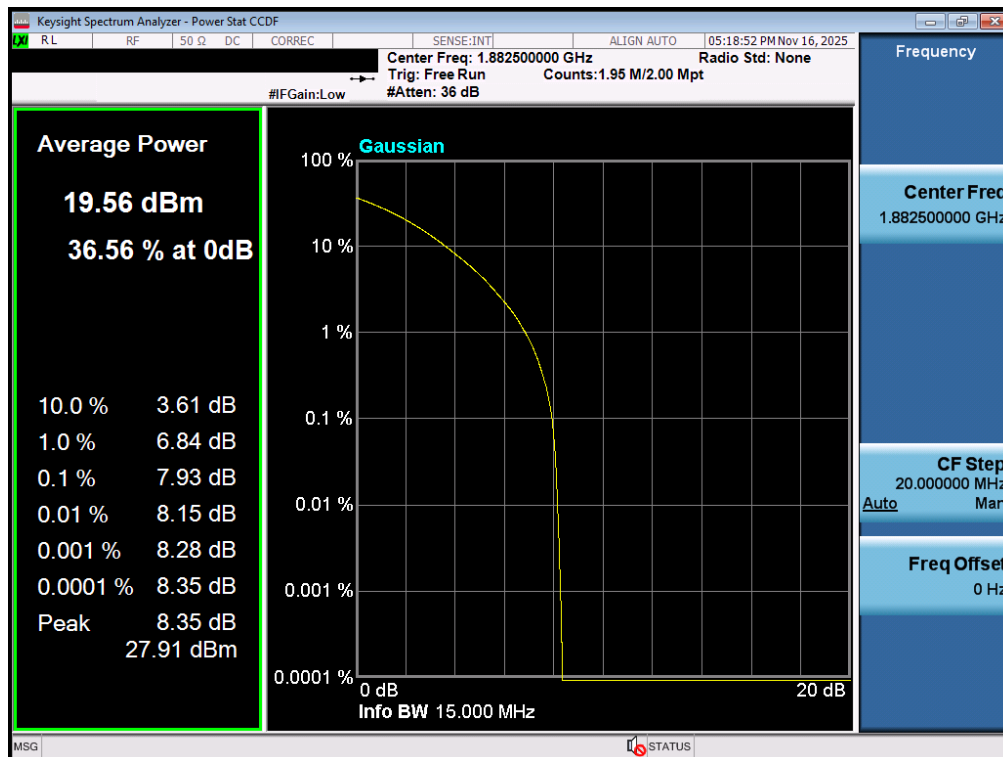


Plot 7-179. PAR Plot (NR Band n25/2 - 20.0MHz CP-OFDM 256-QAM - Full RB - ANT2)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-06-R1.A3L	Test Dates: 11/16/2025 - 1/3/2026	EUT Type: Portable Handset	Page 131 of 163

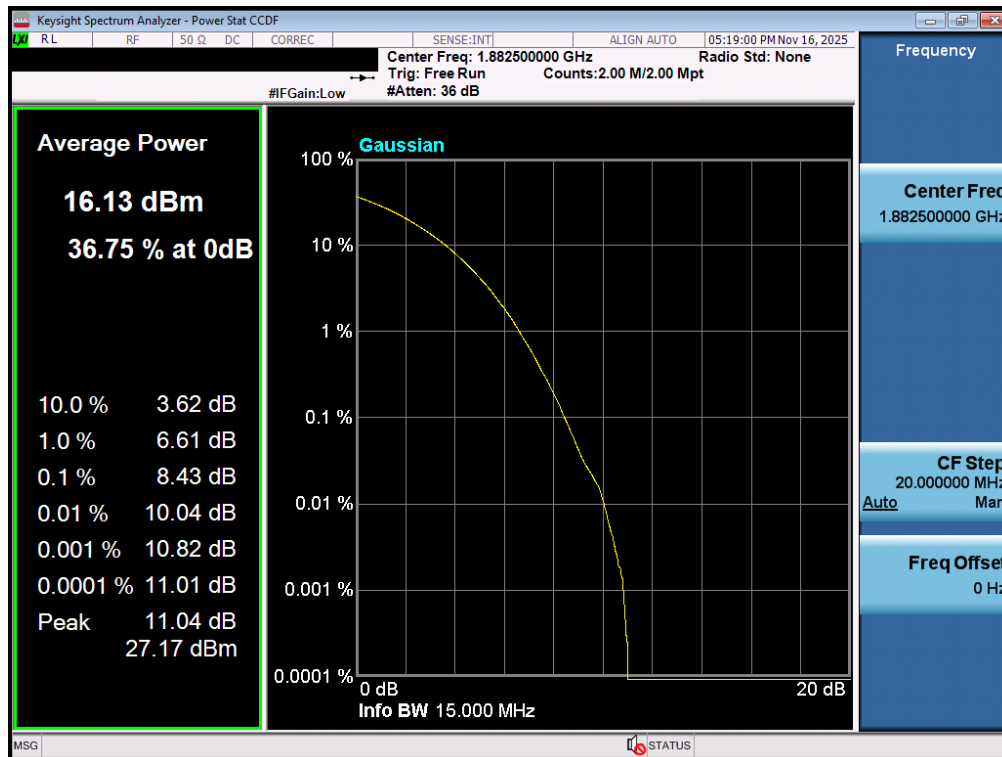


Plot 7-180. PAR Plot (NR Band n25/2 - 15.0MHz DFT-s-OFDM BPSK - Full RB - ANT2)

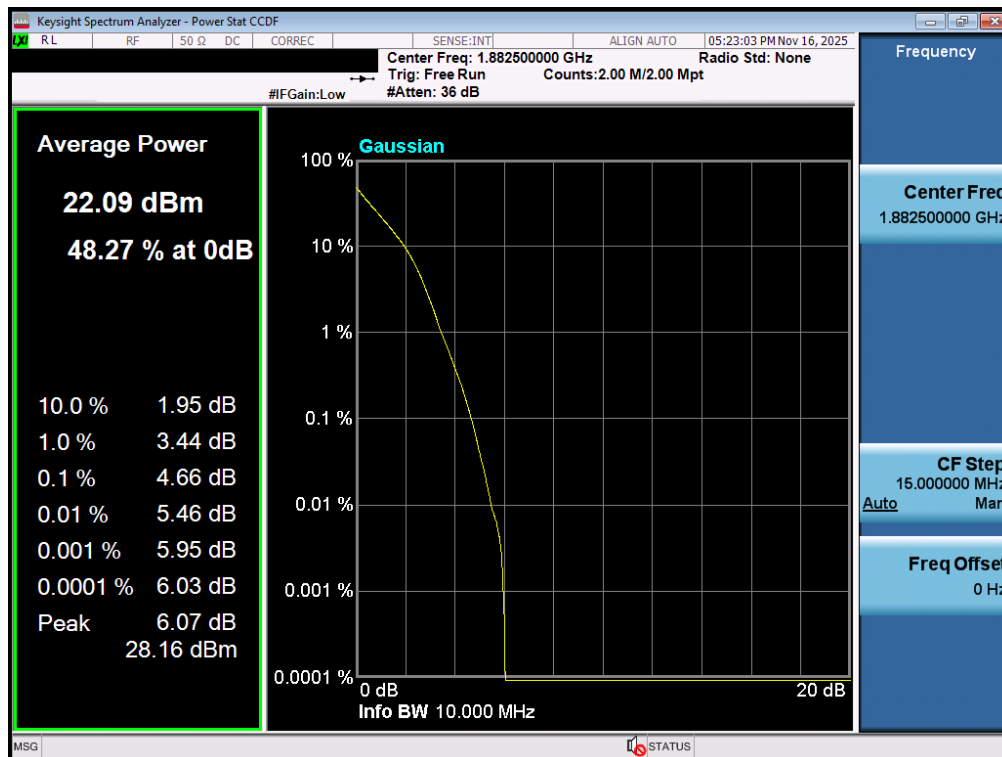


Plot 7-181. PAR Plot (NR Band n25/2 - 15.0MHz CP-OFDM QPSK - Full RB - ANT2)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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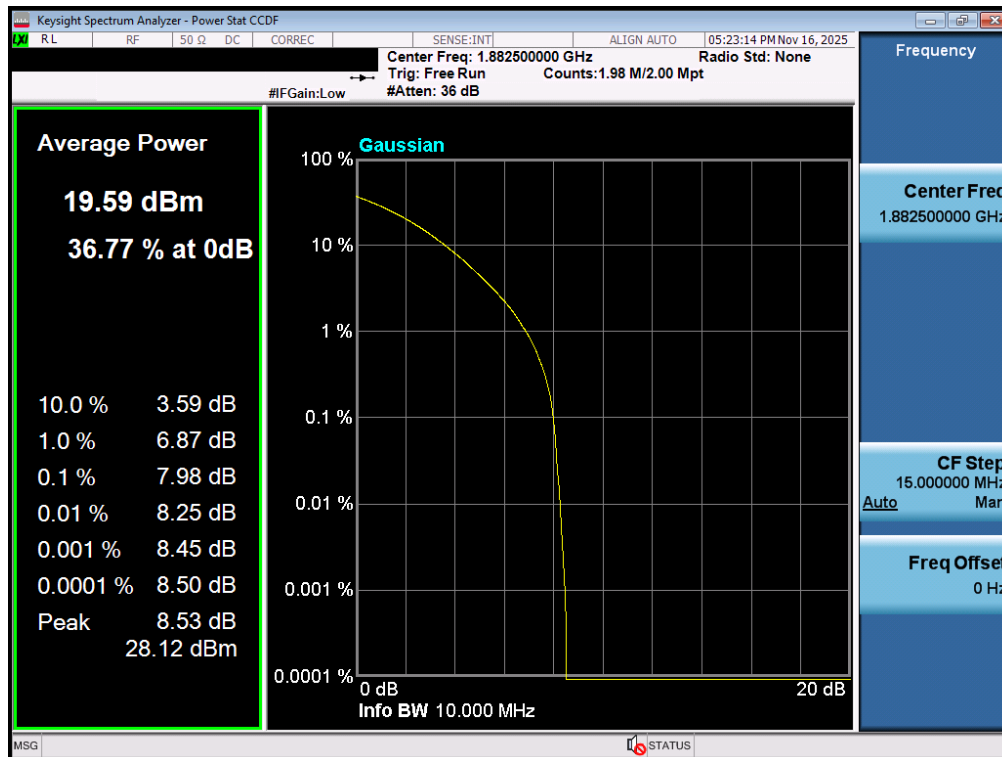


Plot 7-182. PAR Plot (NR Band n25/2 - 15.0MHz CP-OFDM 256-QAM - Full RB - ANT2)

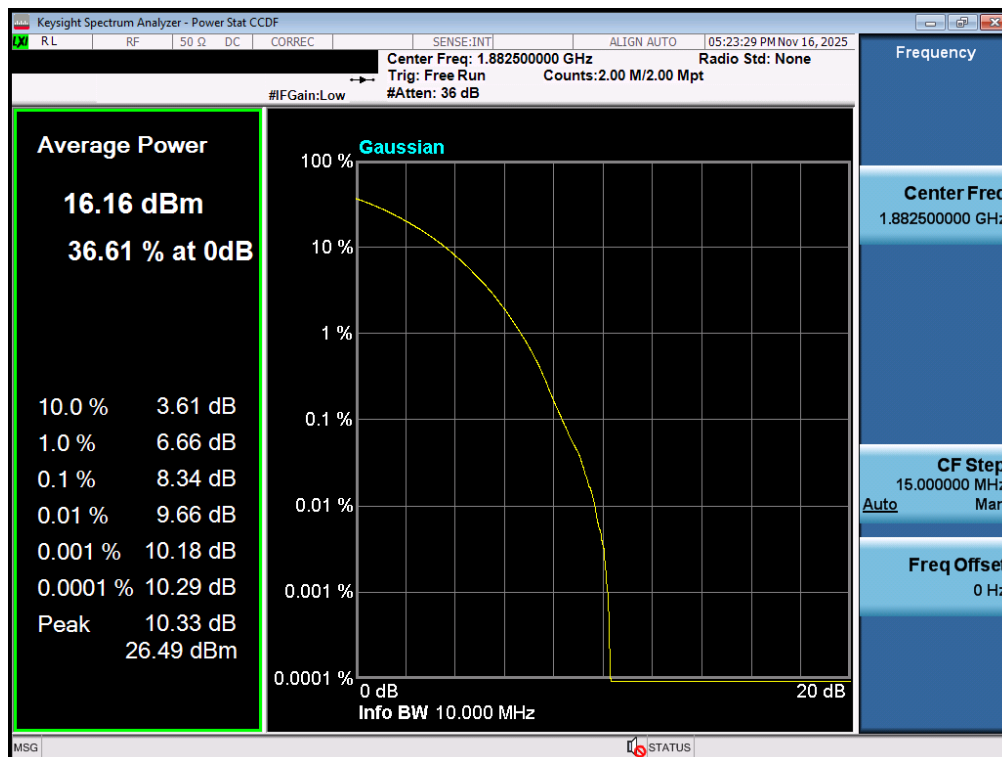


Plot 7-183. PAR Plot (NR Band n25/2 - 10.0MHz DFT-s-OFDM BPSK - Full RB - ANT2)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-06-R1.A3L	Test Dates: 11/16/2025 - 1/3/2026	EUT Type: Portable Handset	Page 133 of 163

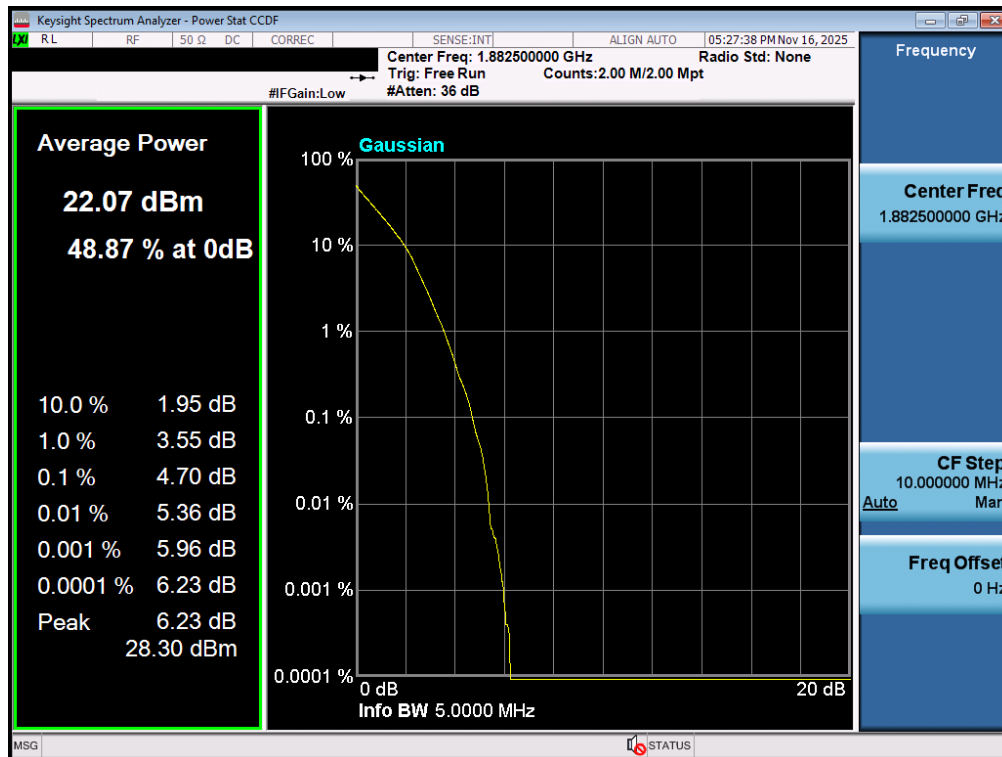


Plot 7-184. PAR Plot (NR Band n25/2 - 10.0MHz CP-OFDM QPSK - Full RB - ANT2)

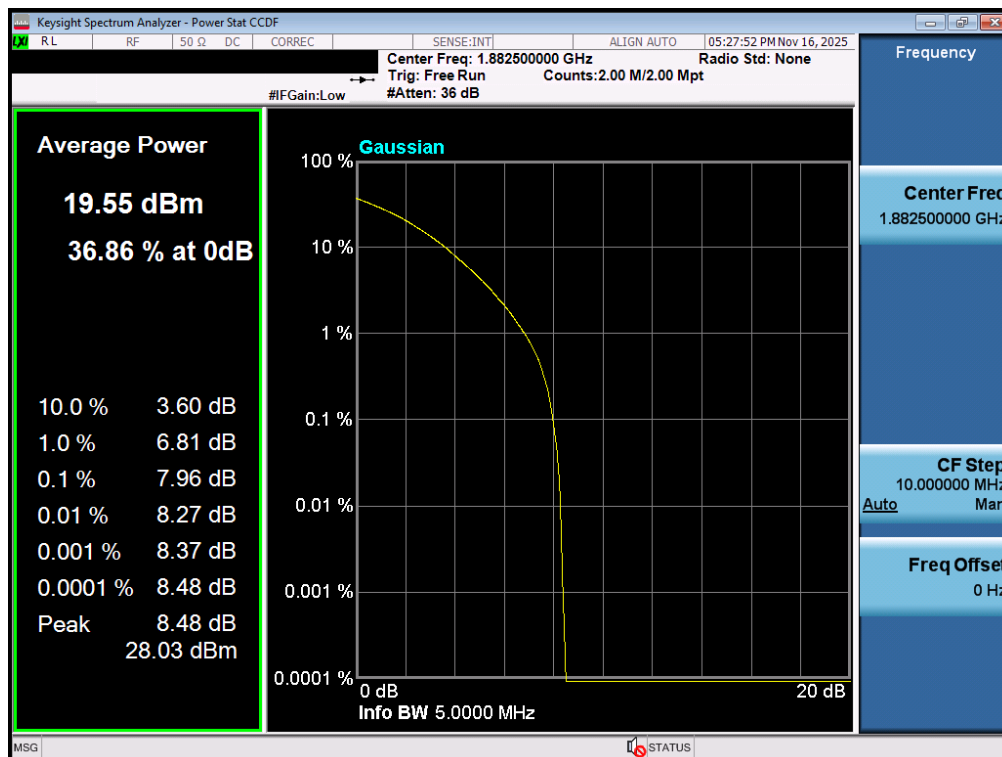


Plot 7-185. PAR Plot (NR Band n25/2 - 10.0MHz CP-OFDM 256-QAM - Full RB - ANT2)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-06-R1.A3L	Test Dates: 11/16/2025 - 1/3/2026	EUT Type: Portable Handset	Page 134 of 163

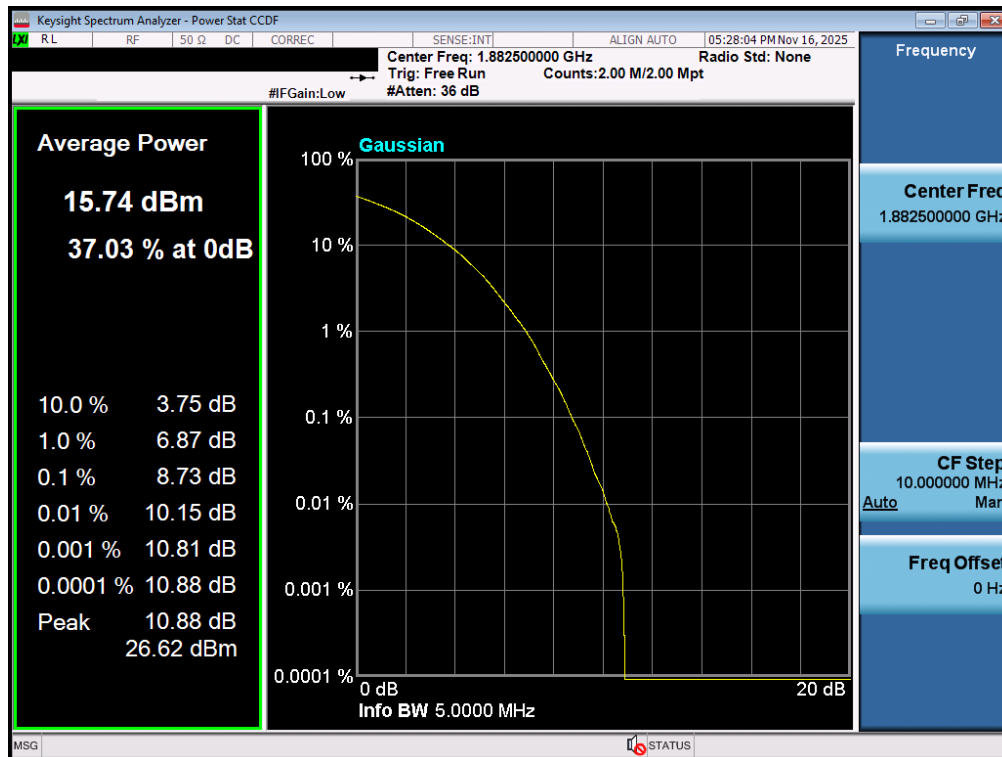


Plot 7-186. PAR Plot (NR Band n25/2 - 5.0MHz DFT-s-OFDM BPSK - Full RB - ANT2)



Plot 7-187. PAR Plot (NR Band n25/2 - 5.0MHz CP-OFDM QPSK - Full RB - ANT2)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-188. PAR Plot (NR Band n25/2 - 5.0MHz CP-OFDM 256-QAM - Full RB - ANT2)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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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.

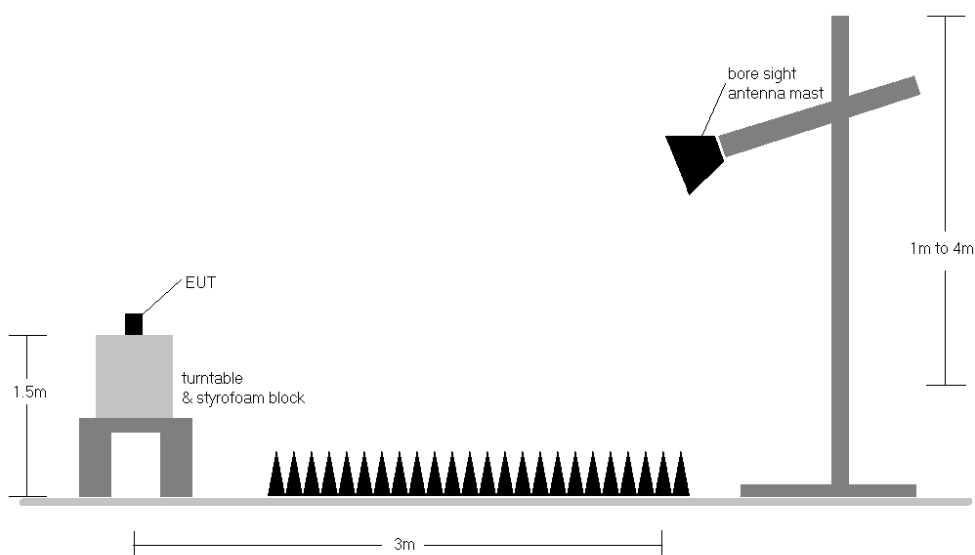


Figure 7-6. Radiated Test Setup >1GHz

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	V	175	335	2.53	1 / 50	20.03	22.56	0.180	33.01	-10.45
	QPSK	1882.50	V	165	338	2.32	1 / 50	20.21	22.53	0.179	33.01	-10.48
	QPSK	1905.00	V	172	347	2.19	1 / 0	19.40	21.59	0.144	33.01	-11.42
	16-QAM	1860.00	V	175	335	2.53	1 / 50	18.98	21.51	0.142	33.01	-11.50
	16-QAM	1882.50	V	165	338	2.32	1 / 50	19.29	21.61	0.145	33.01	-11.40
15 MHz	16-QAM	1905.00	V	172	347	2.19	1 / 0	17.56	19.75	0.094	33.01	-13.26
	QPSK	1857.50	V	175	335	2.55	1 / 37	20.11	22.66	0.185	33.01	-10.35
	QPSK	1882.50	V	165	338	2.32	1 / 37	20.19	22.50	0.178	33.01	-10.51
	QPSK	1907.50	V	172	347	2.20	1 / 37	19.33	21.53	0.142	33.01	-11.48
	16-QAM	1857.50	V	175	335	2.55	1 / 37	19.13	21.69	0.148	33.01	-11.32
10 MHz	16-QAM	1882.50	V	165	338	2.32	1 / 37	19.60	21.92	0.155	33.01	-11.09
	16-QAM	1907.50	V	172	347	2.20	1 / 37	17.49	19.69	0.093	33.01	-13.32
	QPSK	1855.00	V	175	335	2.58	1 / 49	20.03	22.61	0.182	33.01	-10.40
	QPSK	1882.50	V	165	338	2.32	1 / 49	20.13	22.45	0.176	33.01	-10.56
	QPSK	1910.00	V	172	347	2.22	1 / 0	19.39	21.61	0.145	33.01	-11.40
5 MHz	16-QAM	1855.00	V	175	335	2.58	1 / 49	19.03	21.61	0.145	33.01	-11.40
	16-QAM	1882.50	V	165	338	2.32	1 / 49	19.61	21.92	0.156	33.01	-11.09
	16-QAM	1910.00	V	172	347	2.22	1 / 0	17.48	19.70	0.093	33.01	-13.31
	QPSK	1852.50	V	175	335	2.60	1 / 12	20.15	22.76	0.189	33.01	-10.25
	QPSK	1882.50	V	165	338	2.32	1 / 12	20.20	22.52	0.178	33.01	-10.49
3 MHz	QPSK	1912.50	V	172	347	2.24	1 / 12	19.41	21.65	0.146	33.01	-11.36
	16-QAM	1852.50	V	175	335	2.60	1 / 12	19.04	21.64	0.146	33.01	-11.37
	16-QAM	1882.50	V	165	338	2.32	1 / 12	19.62	21.93	0.156	33.01	-11.08
	16-QAM	1912.50	V	172	347	2.24	1 / 12	17.52	19.76	0.095	33.01	-13.25
	QPSK	1851.50	V	175	335	2.61	1 / 0	20.30	22.91	0.195	33.01	-10.10
1.4 MHz	QPSK	1882.50	V	165	338	2.32	1 / 7	20.50	22.81	0.191	33.01	-10.20
	QPSK	1913.50	V	172	347	2.25	1 / 7	19.82	22.07	0.161	33.01	-10.94
	16-QAM	1851.50	V	175	335	2.61	1 / 7	19.43	22.04	0.160	33.01	-10.97
	16-QAM	1882.50	V	165	338	2.32	1 / 7	19.95	22.27	0.168	33.01	-10.74
	16-QAM	1913.50	V	172	347	2.25	1 / 7	17.73	19.98	0.099	33.01	-13.03
20 MHz	QPSK	1850.70	V	175	335	2.62	1 / 5	20.23	22.85	0.193	33.01	-10.16
	QPSK	1882.50	V	165	338	2.32	1 / 5	20.45	22.77	0.189	33.01	-10.24
	QPSK	1914.30	V	172	347	2.25	1 / 0	19.64	21.89	0.155	33.01	-11.12
	16-QAM	1850.70	V	175	335	2.62	1 / 5	19.34	21.96	0.157	33.01	-11.05
	16-QAM	1882.50	V	165	338	2.32	1 / 5	19.85	22.16	0.164	33.01	-10.85
20 MHz	16-QAM	1914.30	V	172	347	2.25	1 / 0	17.38	19.63	0.092	33.01	-13.38
	Opposite Pol.	1860.00	H	155	206	2.79	1/50	18.62	21.41	0.138	33.01	-11.60
20 MHz	WCP	1860.00	V	172	329	2.53	1/0	17.45	19.98	0.100	33.01	-13.03

Table 7-22. EIRP Data (LTE Band 25/2 – Ant1)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-06-R1.A3L	Test Dates: 11/16/2025 - 1/3/2026	EUT Type: Portable Handset	Page 139 of 163

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	166	333	2.43	1 / 214	20.63	23.06	0.203	33.01	-9.95
	$\pi/2$ BPSK	1882.50	V	169	335	2.32	1 / 108	20.93	23.25	0.211	33.01	-9.76
	$\pi/2$ BPSK	1895.00	V	169	348	2.20	1 / 108	20.22	22.42	0.174	33.01	-10.59
	QPSK	1870.00	V	166	333	2.43	1 / 214	20.66	23.09	0.204	33.01	-9.92
	QPSK	1882.50	V	169	335	2.32	1 / 108	20.86	23.18	0.208	33.01	-9.83
	QPSK	1895.00	V	169	348	2.20	1 / 108	20.20	22.40	0.174	33.01	-10.61
	16-QAM	1870.00	V	166	333	2.43	1 / 214	19.56	21.99	0.158	33.01	-11.02
	16-QAM	1882.50	V	169	335	2.32	1 / 108	19.79	22.11	0.162	33.01	-10.90
30 MHz	16-QAM	1895.00	V	169	348	2.20	1 / 108	19.13	21.33	0.136	33.01	-11.68
	$\pi/2$ BPSK	1865.00	V	166	333	2.48	1 / 80	20.66	23.14	0.206	33.01	-9.87
	$\pi/2$ BPSK	1882.50	V	169	335	2.32	1 / 1	20.87	23.19	0.208	33.01	-9.82
	$\pi/2$ BPSK	1900.00	V	169	348	2.15	1 / 80	20.16	22.31	0.170	33.01	-10.70
	QPSK	1865.00	V	166	333	2.48	1 / 1	20.69	23.17	0.208	33.01	-9.84
	QPSK	1882.50	V	169	335	2.32	1 / 1	20.78	23.10	0.204	33.01	-9.91
	QPSK	1900.00	V	169	348	2.15	1 / 80	20.19	22.34	0.171	33.01	-10.67
	16-QAM	1865.00	V	166	333	2.48	1 / 1	19.59	22.07	0.161	33.01	-10.94
25 MHz	16-QAM	1882.50	V	169	335	2.32	1 / 158	19.68	22.00	0.158	33.01	-11.01
	16-QAM	1900.00	V	169	348	2.15	1 / 80	19.17	21.32	0.135	33.01	-11.69
	$\pi/2$ BPSK	1862.50	V	166	333	2.51	1 / 66	20.56	23.06	0.203	33.01	-9.95
	$\pi/2$ BPSK	1882.50	V	169	335	2.32	1 / 131	20.96	23.28	0.213	33.01	-9.73
	$\pi/2$ BPSK	1902.50	V	169	348	2.17	1 / 66	20.17	22.34	0.171	33.01	-10.67
	QPSK	1862.50	V	166	333	2.51	1 / 1	20.61	23.11	0.205	33.01	-9.90
	QPSK	1882.50	V	169	335	2.32	1 / 131	20.86	23.18	0.208	33.01	-9.83
	QPSK	1902.50	V	169	348	2.17	1 / 66	20.18	22.35	0.172	33.01	-10.66
20 MHz	16-QAM	1862.50	V	166	333	2.51	1 / 66	19.50	22.00	0.159	33.01	-11.01
	16-QAM	1882.50	V	169	335	2.32	1 / 131	19.79	22.11	0.162	33.01	-10.90
	16-QAM	1902.50	V	169	348	2.17	1 / 66	19.13	21.30	0.135	33.01	-11.71
	$\pi/2$ BPSK	1860.00	V	166	333	2.53	1 / 53	20.64	23.17	0.208	33.01	-9.84
	$\pi/2$ BPSK	1882.50	V	169	335	2.32	1 / 104	20.87	23.19	0.208	33.01	-9.82
	$\pi/2$ BPSK	1905.00	V	169	348	2.19	1 / 53	20.25	22.44	0.175	33.01	-10.57
	QPSK	1860.00	V	166	333	2.53	1 / 53	20.62	23.15	0.207	33.01	-9.86
	QPSK	1882.50	V	169	335	2.32	1 / 104	20.79	23.11	0.204	33.01	-9.90
15 MHz	QPSK	1905.00	V	169	348	2.19	1 / 53	20.28	22.47	0.176	33.01	-10.54
	16-QAM	1860.00	V	166	333	2.53	1 / 53	19.61	22.14	0.164	33.01	-10.87
	16-QAM	1882.50	V	169	335	2.32	1 / 104	19.70	22.02	0.159	33.01	-10.99
	16-QAM	1905.00	V	169	348	2.19	1 / 53	19.26	21.45	0.140	33.01	-11.56
	$\pi/2$ BPSK	1857.50	V	166	333	2.55	1 / 39	20.60	23.15	0.207	33.01	-9.86
	$\pi/2$ BPSK	1882.50	V	169	335	2.32	1 / 39	20.88	23.20	0.209	33.01	-9.81
	$\pi/2$ BPSK	1907.50	V	169	348	2.20	1 / 39	20.27	22.48	0.177	33.01	-10.53
	QPSK	1857.50	V	166	333	2.55	1 / 39	20.71	23.26	0.212	33.01	-9.75
10 MHz	QPSK	1882.50	V	169	335	2.32	1 / 39	20.78	23.10	0.204	33.01	-9.91
	QPSK	1907.50	V	169	348	2.20	1 / 39	20.24	22.45	0.176	33.01	-10.56
	16-QAM	1857.50	V	166	333	2.55	1 / 39	19.53	22.08	0.162	33.01	-10.93
	16-QAM	1882.50	V	169	335	2.32	1 / 77	19.73	22.05	0.160	33.01	-10.96
	16-QAM	1907.50	V	169	348	2.20	1 / 39	19.24	21.45	0.140	33.01	-11.56
	$\pi/2$ BPSK	1855.00	V	166	333	2.58	1 / 1	20.57	23.14	0.206	33.01	-9.87
	$\pi/2$ BPSK	1882.50	V	169	335	2.32	1 / 26	20.89	23.21	0.209	33.01	-9.80
	$\pi/2$ BPSK	1910.00	V	169	348	2.22	1 / 1	20.19	22.41	0.174	33.01	-10.60
5 MHz	QPSK	1855.00	V	166	333	2.58	1 / 1	20.66	23.23	0.211	33.01	-9.78
	QPSK	1882.50	V	169	335	2.32	1 / 50	20.78	23.10	0.204	33.01	-9.91
	QPSK	1910.00	V	169	348	2.22	1 / 26	20.24	22.46	0.176	33.01	-10.55
	16-QAM	1855.00	V	166	333	2.58	1 / 1	19.48	22.05	0.160	33.01	-10.96
	16-QAM	1882.50	V	169	335	2.32	1 / 50	19.70	22.02	0.159	33.01	-10.99
	16-QAM	1910.00	V	169	348	2.22	1 / 26	19.17	21.39	0.138	33.01	-11.62
	$\pi/2$ BPSK	1852.50	V	166	333	2.60	1 / 12	20.72	23.32	0.215	33.01	-9.69
	$\pi/2$ BPSK	1882.50	V	169	335	2.32	1 / 12	20.95	23.27	0.212	33.01	-9.74
40 MHz	$\pi/2$ BPSK	1912.50	V	169	348	2.24	1 / 1	20.09	22.33	0.171	33.01	-10.68
	QPSK	1852.50	V	166	333	2.60	1 / 1	20.58	23.18	0.208	33.01	-9.83
	QPSK	1882.50	V	169	335	2.32	1 / 23	20.81	23.13	0.205	33.01	-9.88
	QPSK	1912.50	V	169	348	2.24	1 / 12	20.22	22.46	0.176	33.01	-10.55
	16-QAM	1852.50	V	166	333	2.60	1 / 12	19.49	22.09	0.162	33.01	-10.92
	16-QAM	1882.50	V	169	335	2.32	1 / 12	19.76	22.08	0.161	33.01	-10.93
	16-QAM	1912.50	V	169	348	2.24	1 / 12	19.10	21.34	0.136	33.01	-11.67
	QPSK (CP-OFDM)	1882.50	V	166	341	2.32	1/108	19.02	21.34	0.136	33.01	-11.67
40 MHz	QPSK (Opposite Pol.)	1882.50	H	156	224	2.65	1/108	20.47	23.12	0.205	33.01	-9.89
	QPSK (WCP)	1882.50	V	163	334	2.32	1/108	17.87	20.19	0.104	33.01	-12.82

Table 7-23. EIRP Data (NR Band n25/2 – Ant1)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-06-R1.A3L	Test Dates: 11/16/2025 - 1/3/2026	EUT Type: Portable Handset	Page 140 of 163

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	177	330	25.69	2.62	28.31	0.678	33.01	-4.70
1880.00	GSM1900	V	162	335	26.51	2.34	28.85	0.767	33.01	-4.16
1909.80	GSM1900	V	177	328	24.41	2.22	26.63	0.460	33.01	-6.38
1880.00	GSM1900	H	156	215	26.02	2.67	28.69	0.739	33.01	-4.33
1880.00	EDGE1900	V	162	335	22.38	2.34	24.72	0.296	33.01	-8.29
1880.00	GSM1900 (WCP)	V	159	326	23.26	2.34	25.60	0.363	33.01	-7.41

Table 7-24. EIRP Data (GPRS PCS – Ant1)

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	175	331	19.74	2.60	22.34	0.172	33.01	-10.67
1880.00	WCDMA1900	V	165	334	20.20	2.34	22.54	0.179	33.01	-10.47
1907.60	WCDMA1900	V	172	335	18.33	2.20	20.53	0.113	33.01	-12.48
1880.00	WCDMA1900	H	201	210	19.15	2.67	21.82	0.152	33.01	-11.20
1880.00	WCDMA1900 (WCP)	V	165	328	17.02	2.84	19.86	0.097	33.01	-13.15

Table 7-25. EIRP Data (WCDMA PCS – Ant1)

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	V	143	329	2.53	1 / 50	18.32	20.85	0.122	33.01	-12.16
	QPSK	1882.50	V	143	323	2.32	1 / 0	17.95	20.27	0.106	33.01	-12.74
	QPSK	1905.00	V	140	333	2.19	1 / 99	17.23	19.42	0.087	33.01	-13.59
	16-QAM	1860.00	V	143	329	2.53	1 / 50	17.37	19.90	0.098	33.01	-13.11
	16-QAM	1882.50	V	143	323	2.32	1 / 0	17.01	19.33	0.086	33.01	-13.68
	16-QAM	1905.00	V	140	333	2.19	1 / 99	16.18	18.37	0.069	33.01	-14.64
15 MHz	QPSK	1857.50	V	143	329	2.55	1 / 0	18.32	20.88	0.122	33.01	-12.13
	QPSK	1882.50	V	143	323	2.32	1 / 74	17.83	20.14	0.103	33.01	-12.87
	QPSK	1907.50	V	140	333	2.20	1 / 74	17.00	19.21	0.083	33.01	-13.81
	16-QAM	1857.50	V	143	329	2.55	1 / 0	17.02	19.57	0.091	33.01	-13.44
	16-QAM	1882.50	V	143	323	2.32	1 / 74	16.93	19.25	0.084	33.01	-13.76
	16-QAM	1907.50	V	140	333	2.20	1 / 74	16.14	18.34	0.068	33.01	-14.67
10 MHz	QPSK	1855.00	V	143	329	2.58	1 / 0	18.30	20.88	0.123	33.01	-12.13
	QPSK	1882.50	V	143	323	2.32	1 / 0	17.85	20.17	0.104	33.01	-12.84
	QPSK	1910.00	V	140	333	2.22	1 / 25	17.08	19.30	0.085	33.01	-13.71
	16-QAM	1855.00	V	143	329	2.58	1 / 0	17.18	19.76	0.095	33.01	-13.25
	16-QAM	1882.50	V	143	323	2.32	1 / 0	16.95	19.26	0.084	33.01	-13.75
	16-QAM	1910.00	V	140	333	2.22	1 / 25	16.03	18.25	0.067	33.01	-14.76
5 MHz	QPSK	1852.50	V	143	329	2.60	1 / 24	18.41	21.02	0.126	33.01	-12.00
	QPSK	1882.50	V	143	323	2.32	1 / 24	17.93	20.25	0.106	33.01	-12.76
	QPSK	1912.50	V	140	333	2.24	1 / 0	17.06	19.29	0.085	33.01	-13.72
	16-QAM	1852.50	V	143	329	2.60	1 / 24	17.21	19.82	0.096	33.01	-13.19
	16-QAM	1882.50	V	143	323	2.32	1 / 24	17.13	19.44	0.088	33.01	-13.57
	16-QAM	1912.50	V	140	333	2.24	1 / 0	16.08	18.32	0.068	33.01	-14.69
3 MHz	QPSK	1851.50	V	143	329	2.61	1 / 14	18.22	20.83	0.121	33.01	-12.18
	QPSK	1882.50	V	143	323	2.32	1 / 0	17.90	20.22	0.105	33.01	-12.79
	QPSK	1913.50	V	140	333	2.25	1 / 0	17.27	19.51	0.089	33.01	-13.50
	16-QAM	1851.50	V	143	329	2.61	1 / 14	17.27	19.88	0.097	33.01	-13.13
	16-QAM	1882.50	V	143	323	2.32	1 / 0	16.88	19.19	0.083	33.01	-13.82
	16-QAM	1913.50	V	140	333	2.25	1 / 0	15.97	18.21	0.066	33.01	-14.80
1.4 MHz	QPSK	1850.70	V	143	329	2.62	1 / 0	18.26	20.88	0.123	33.01	-12.13
	QPSK	1882.50	V	143	323	2.32	1 / 3	17.91	20.22	0.105	33.01	-12.79
	QPSK	1914.30	V	140	333	2.25	1 / 0	16.90	19.15	0.082	33.01	-13.86
	16-QAM	1850.70	V	143	329	2.62	1 / 0	17.15	19.77	0.095	33.01	-13.24
	16-QAM	1882.50	V	143	323	2.32	1 / 3	16.71	19.03	0.080	33.01	-13.98
	16-QAM	1914.30	V	140	333	2.25	1 / 0	15.83	18.08	0.064	33.01	-14.93
20 MHz	Opposite Pol.	1860.00	H	205	307	2.73	1/50	16.78	19.51	0.089	33.01	-13.50
	WCP	1860.00	V	137	330	2.53	1/99	16.72	19.25	0.084	33.01	-13.76

Table 7-26. EIRP Data (LTE Band 25/2 – Ant2)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-06-R1.A3L	Test Dates: 11/16/2025 - 1/3/2026	EUT Type: Portable Handset	Page 141 of 163

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	147	314	2.43	1 / 108	18.24	20.67	0.117	33.01	-12.34
	$\pi/2$ BPSK	1882.50	V	147	318	2.32	1 / 1	18.48	20.80	0.120	33.01	-12.21
	$\pi/2$ BPSK	1895.00	V	140	310	2.20	1 / 108	18.68	20.88	0.122	33.01	-12.13
	QPSK	1870.00	V	147	314	2.43	1 / 108	18.11	20.54	0.113	33.01	-12.47
	QPSK	1882.50	V	147	318	2.32	1 / 1	18.32	20.64	0.116	33.01	-12.37
	QPSK	1895.00	V	140	310	2.20	1 / 108	18.60	20.80	0.120	33.01	-12.21
	16-QAM	1870.00	V	147	314	2.43	1 / 108	17.23	19.66	0.093	33.01	-13.35
	16-QAM	1882.50	V	147	318	2.32	1 / 1	17.46	19.78	0.095	33.01	-13.23
30 MHz	16-QAM	1895.00	V	140	310	2.20	1 / 108	17.72	19.92	0.098	33.01	-13.09
	$\pi/2$ BPSK	1865.00	V	147	314	2.48	1 / 80	18.13	20.61	0.115	33.01	-12.40
	$\pi/2$ BPSK	1882.50	V	147	318	2.32	1 / 80	18.50	20.82	0.121	33.01	-12.19
	$\pi/2$ BPSK	1900.00	V	140	310	2.15	1 / 158	18.65	20.80	0.120	33.01	-12.21
	QPSK	1865.00	V	147	314	2.48	1 / 1	18.03	20.51	0.113	33.01	-12.50
	QPSK	1882.50	V	147	318	2.32	1 / 80	18.36	20.68	0.117	33.01	-12.33
	QPSK	1900.00	V	140	310	2.15	1 / 158	18.57	20.72	0.118	33.01	-12.29
	16-QAM	1865.00	V	147	314	2.48	1 / 1	17.07	19.55	0.090	33.01	-13.46
25 MHz	16-QAM	1882.50	V	147	318	2.32	1 / 158	17.47	19.79	0.095	33.01	-13.22
	16-QAM	1900.00	V	140	310	2.15	1 / 158	17.69	19.84	0.096	33.01	-13.17
	$\pi/2$ BPSK	1862.50	V	147	314	2.51	1 / 1	18.06	20.56	0.114	33.01	-12.45
	$\pi/2$ BPSK	1882.50	V	147	318	2.32	1 / 66	18.49	20.81	0.120	33.01	-12.20
	$\pi/2$ BPSK	1902.50	V	140	310	2.17	1 / 131	18.63	20.80	0.120	33.01	-12.21
	QPSK	1862.50	V	147	314	2.51	1 / 1	18.01	20.51	0.113	33.01	-12.50
	QPSK	1882.50	V	147	318	2.32	1 / 66	18.36	20.68	0.117	33.01	-12.33
	QPSK	1902.50	V	140	310	2.17	1 / 131	18.56	20.73	0.118	33.01	-12.28
20 MHz	16-QAM	1862.50	V	147	314	2.51	1 / 1	17.08	19.58	0.091	33.01	-13.43
	16-QAM	1882.50	V	147	318	2.32	1 / 1	17.46	19.78	0.095	33.01	-13.23
	16-QAM	1902.50	V	140	310	2.17	1 / 131	17.69	19.86	0.097	33.01	-13.15
	$\pi/2$ BPSK	1860.00	V	147	314	2.53	1 / 53	18.06	20.59	0.115	33.01	-12.42
	$\pi/2$ BPSK	1882.50	V	147	318	2.32	1 / 104	18.58	20.90	0.123	33.01	-12.11
	$\pi/2$ BPSK	1905.00	V	140	310	2.19	1 / 53	18.68	20.87	0.122	33.01	-12.14
	QPSK	1860.00	V	147	314	2.53	1 / 1	17.93	20.46	0.111	33.01	-12.55
	QPSK	1882.50	V	147	318	2.32	1 / 104	18.44	20.76	0.119	33.01	-12.25
15 MHz	QPSK	1905.00	V	140	310	2.19	1 / 104	18.61	20.80	0.120	33.01	-12.21
	16-QAM	1860.00	V	147	314	2.53	1 / 1	17.11	19.64	0.092	33.01	-13.37
	16-QAM	1882.50	V	147	318	2.32	1 / 104	17.57	19.89	0.097	33.01	-13.12
	16-QAM	1905.00	V	140	310	2.19	1 / 104	17.76	19.95	0.099	33.01	-13.06
	$\pi/2$ BPSK	1857.50	V	147	314	2.55	1 / 39	18.09	20.64	0.116	33.01	-12.37
	$\pi/2$ BPSK	1882.50	V	147	318	2.32	1 / 39	18.57	20.89	0.123	33.01	-12.12
	$\pi/2$ BPSK	1907.50	V	140	310	2.20	1 / 77	18.65	20.86	0.122	33.01	-12.15
	QPSK	1857.50	V	147	314	2.55	1 / 1	18.01	20.56	0.114	33.01	-12.45
10 MHz	QPSK	1882.50	V	147	318	2.32	1 / 39	18.37	20.69	0.117	33.01	-12.32
	QPSK	1907.50	V	140	310	2.20	1 / 77	18.59	20.80	0.120	33.01	-12.21
	16-QAM	1857.50	V	147	314	2.55	1 / 1	17.04	19.59	0.091	33.01	-13.42
	16-QAM	1882.50	V	147	318	2.32	1 / 1	17.44	19.76	0.095	33.01	-13.25
	16-QAM	1907.50	V	140	310	2.20	1 / 77	17.68	19.89	0.097	33.01	-13.12
	$\pi/2$ BPSK	1855.00	V	147	314	2.58	1 / 26	18.10	20.67	0.117	33.01	-12.34
	$\pi/2$ BPSK	1882.50	V	147	318	2.32	1 / 1	18.49	20.81	0.120	33.01	-12.20
	$\pi/2$ BPSK	1910.00	V	140	310	2.22	1 / 50	18.63	20.85	0.122	33.01	-12.16
5 MHz	QPSK	1855.00	V	147	314	2.58	1 / 26	17.99	20.56	0.114	33.01	-12.45
	QPSK	1882.50	V	147	318	2.32	1 / 1	18.40	20.72	0.118	33.01	-12.29
	QPSK	1910.00	V	140	310	2.22	1 / 50	18.56	20.78	0.120	33.01	-12.23
	16-QAM	1855.00	V	147	314	2.58	1 / 26	17.07	19.64	0.092	33.01	-13.37
	16-QAM	1882.50	V	147	318	2.32	1 / 1	17.48	19.80	0.095	33.01	-13.21
	16-QAM	1910.00	V	140	310	2.22	1 / 50	17.68	19.90	0.098	33.01	-13.11
	$\pi/2$ BPSK	1852.50	V	147	314	2.60	1 / 12	18.12	20.72	0.118	33.01	-12.29
	$\pi/2$ BPSK	1882.50	V	147	318	2.32	1 / 23	18.55	20.87	0.122	33.01	-12.14
40 MHz	$\pi/2$ BPSK	1912.50	V	140	310	2.24	1 / 12	18.60	20.84	0.121	33.01	-12.17
	QPSK	1852.50	V	147	314	2.60	1 / 1	17.89	20.49	0.112	33.01	-12.52
	QPSK	1882.50	V	147	318	2.32	1 / 23	18.44	20.76	0.119	33.01	-12.25
	QPSK	1912.50	V	140	310	2.24	1 / 12	18.64	20.88	0.122	33.01	-12.13
	16-QAM	1852.50	V	147	314	2.60	1 / 23	17.02	19.62	0.092	33.01	-13.39
	16-QAM	1882.50	V	147	318	2.32	1 / 23	17.61	19.93	0.098	33.01	-13.08
	16-QAM	1912.50	V	140	310	2.24	1 / 23	17.64	19.88	0.097	33.01	-13.13
	QPSK (CP-OFDM)	1895.00	V	140	312	2.43	1/108	17.07	19.50	0.089	33.01	-13.51
40 MHz	QPSK (Opposite Pol.)	1895.00	H	159	300	2.65	1/1	17.67	20.32	0.108	33.01	-12.69
	QPSK (WCP)	1895.00	V	133	309	2.43	1/214	17.31	19.74	0.094	33.01	-13.27

Table 7-27. EIRP Data (NR Band n25/2 – Ant2)

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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

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Test Setup

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

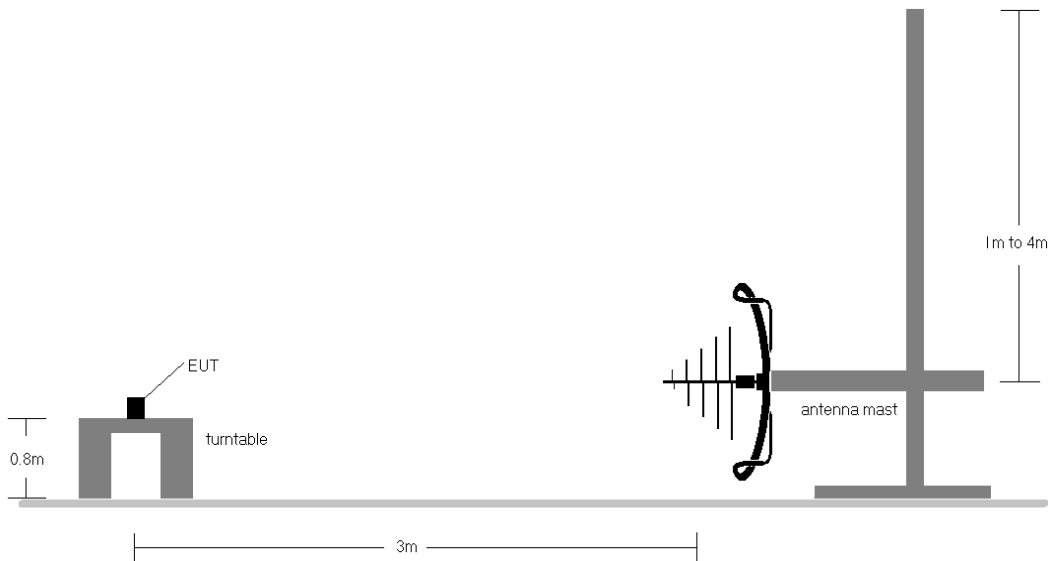


Figure 7-7. Test Instrument & Measurement Setup < 1GHz

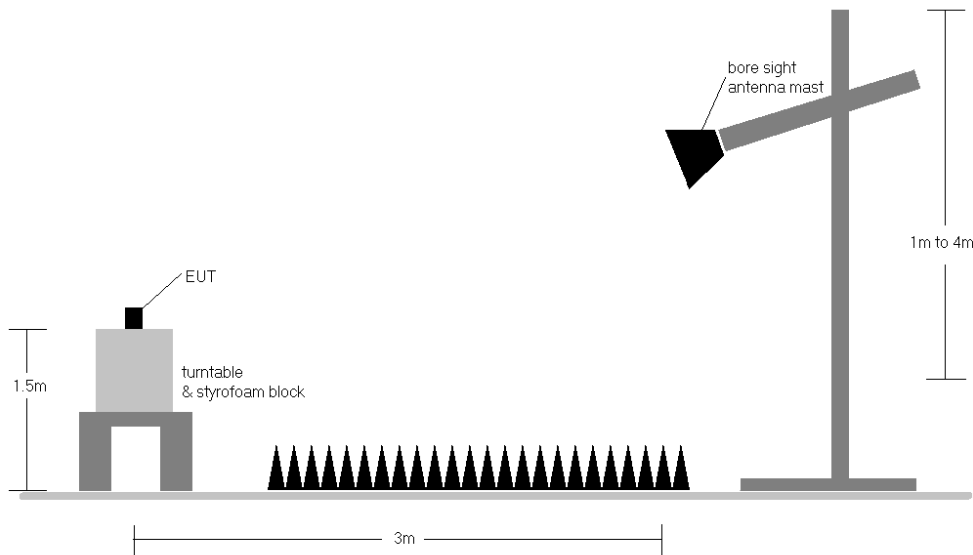


Figure 7-8. Test Instrument & Measurement Setup >1 GHz

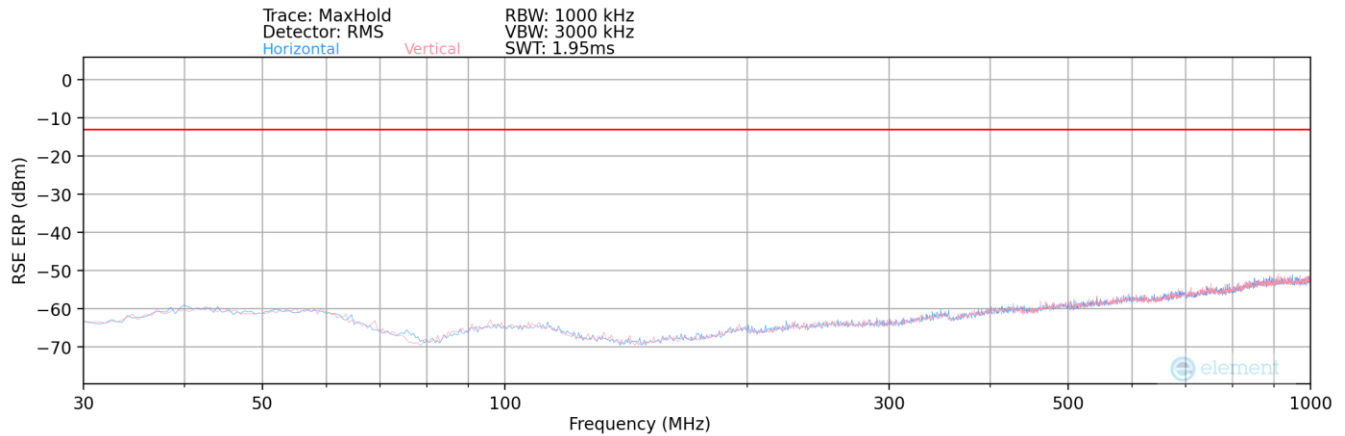
FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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Test Notes

- 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.

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LTE Band 25/2 – Ant1

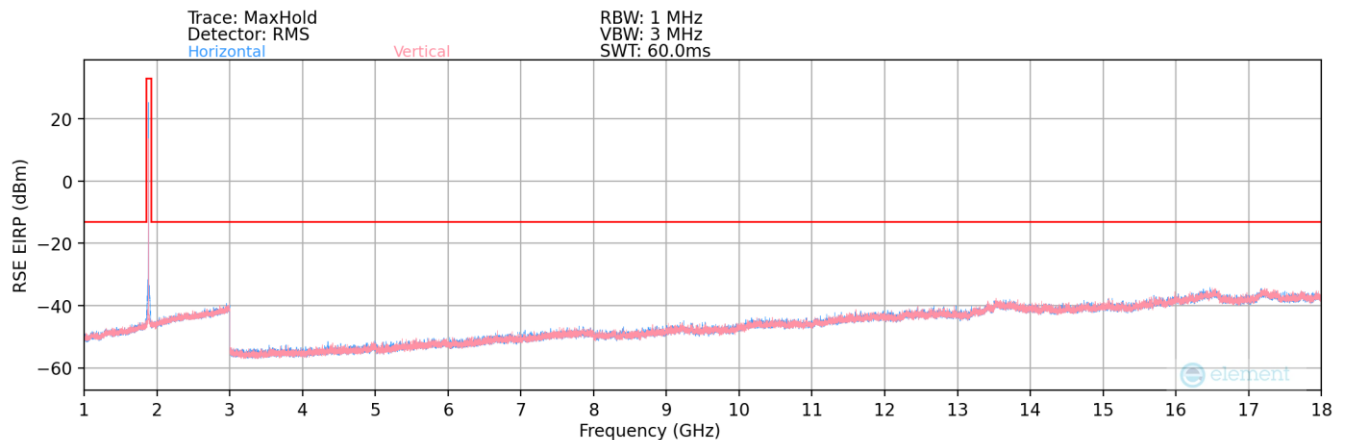


Plot 7-189. Radiated Spurious Plot (LTE Band 25/2 - Ant1)

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]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
118.00	V	-	-	-70.08	-17.55	19.37	-78.04	-13.00	-65.04
350.00	V	-	-	-74.56	-14.90	17.54	-79.87	-13.00	-66.87
665.00	V	-	-	76.77	-3.66	180.11	82.70	-13.00	95.70

Table 7-28. Radiated Spurious Data (LTE Band 25/2 – High Channel - Ant1)



Plot 7-190. Radiated Spurious Plot (LTE Band 25/2 - Ant1)

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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	V	-	-	-79.76	7.60	34.84	-60.42	-13.00	-47.42
5580.00	V	-	-	-81.23	11.46	37.23	-58.03	-13.00	-45.03
7440.00	V	-	-	-82.16	15.34	40.18	-55.08	-13.00	-42.08

Table 7-29. Radiated Spurious Data (LTE Band 25/2 – Low Channel - Ant1)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3765.00	V	-	-	-79.77	7.94	35.17	-60.09	-13.00	-47.09
5647.50	V	-	-	-81.43	11.39	36.96	-58.30	-13.00	-45.30
7530.00	V	-	-	-82.02	15.50	40.48	-54.78	-13.00	-41.78

Table 7-30. Radiated Spurious Data (LTE Band 25/2 – Mid Channel - Ant1)

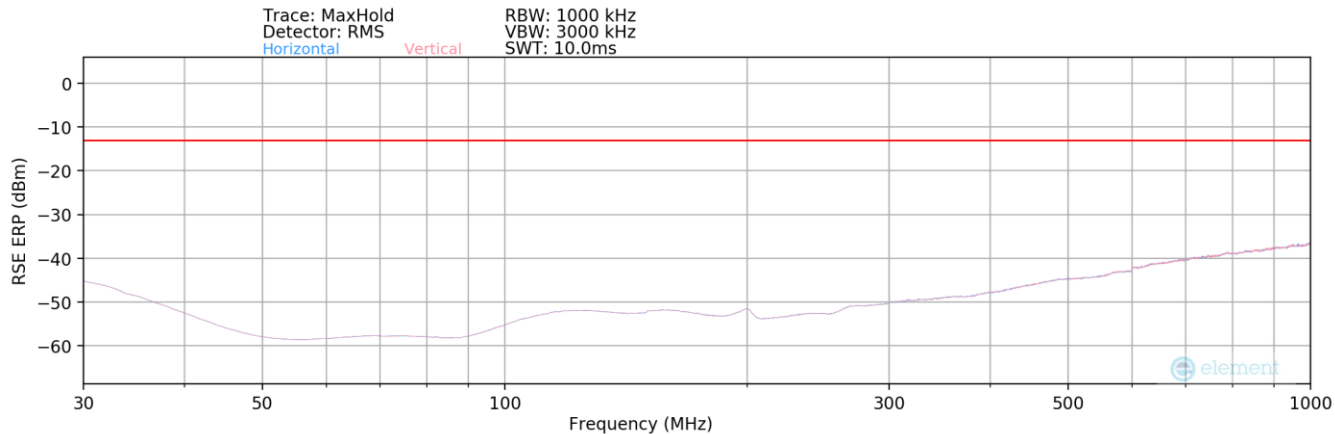
Bandwidth (MHz):	20
Frequency (MHz):	1905
RB / Offset:	1 / 50

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	V	-	-	-79.98	8.10	35.12	-60.14	-13.00	-47.14
5715.00	V	-	-	-81.32	11.31	36.99	-58.26	-13.00	-45.26
7620.00	V	-	-	-82.09	15.70	40.61	-54.65	-13.00	-41.65

Table 7-31. Radiated Spurious Data (LTE Band 25/2 – High Channel - Ant1)

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NR Band n25/2 – Ant1

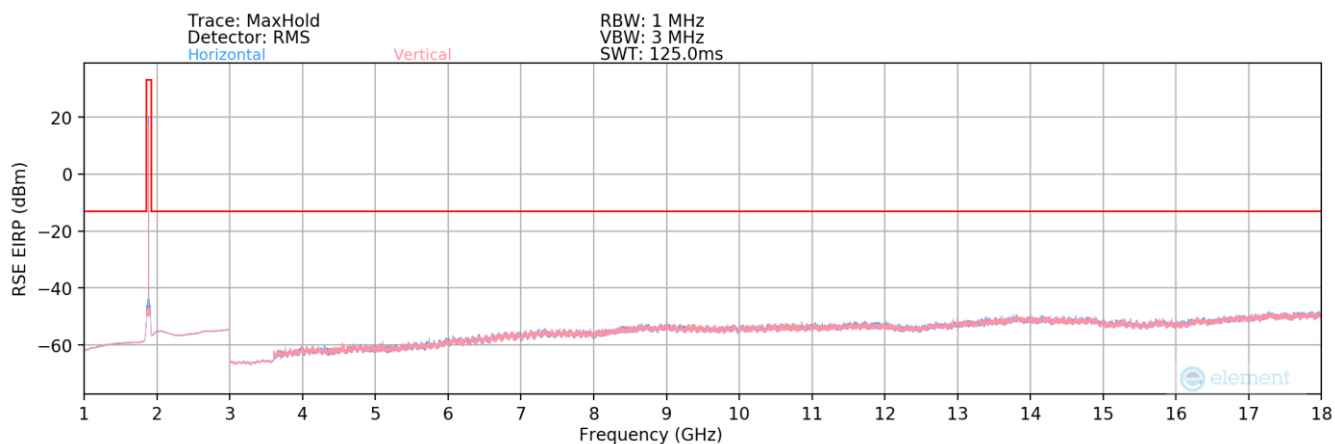


Plot 7-191. Radiated Spurious Plot (NR Band n25/2 - Ant1)

Bandwidth (MHz):	40
Frequency (MHz):	1882.5
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
335.00	H	-	-	-109.00	21.82	19.82	-77.58	-13.00	-64.58

Table 7-32. Radiated Spurious Data (NR Band n25/2 – Mid Channel - Ant1)



Plot 7-192. Radiated Spurious Plot (NR Band n25/2 - Ant1)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth (MHz):	40
Frequency (MHz):	1870
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3740.00	H	382	234	-77.08	0.95	30.87	-64.39	-13.00	-51.39
5610.00	H	289	333	-78.45	4.36	32.91	-62.35	-13.00	-49.35
7480.00	H	-	-	-79.15	9.18	37.03	-58.23	-13.00	-45.23
9350.00	H	-	-	-80.47	12.17	38.70	-56.56	-13.00	-43.56
11220.00	H	-	-	-80.53	12.54	39.01	-56.24	-13.00	-43.24

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

Bandwidth (MHz):	40
Frequency (MHz):	1882.5
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3765.00	H	126	40	-74.55	0.99	33.44	-61.82	-13.00	-48.82
5647.50	H	329	334	-77.99	4.53	33.54	-61.72	-13.00	-48.72
7530.00	H	-	-	-79.22	9.56	37.34	-57.91	-13.00	-44.91
9412.50	H	-	-	-80.60	12.18	38.58	-56.67	-13.00	-43.67
11295.00	H	-	-	-80.66	12.85	39.19	-56.07	-13.00	-43.07

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

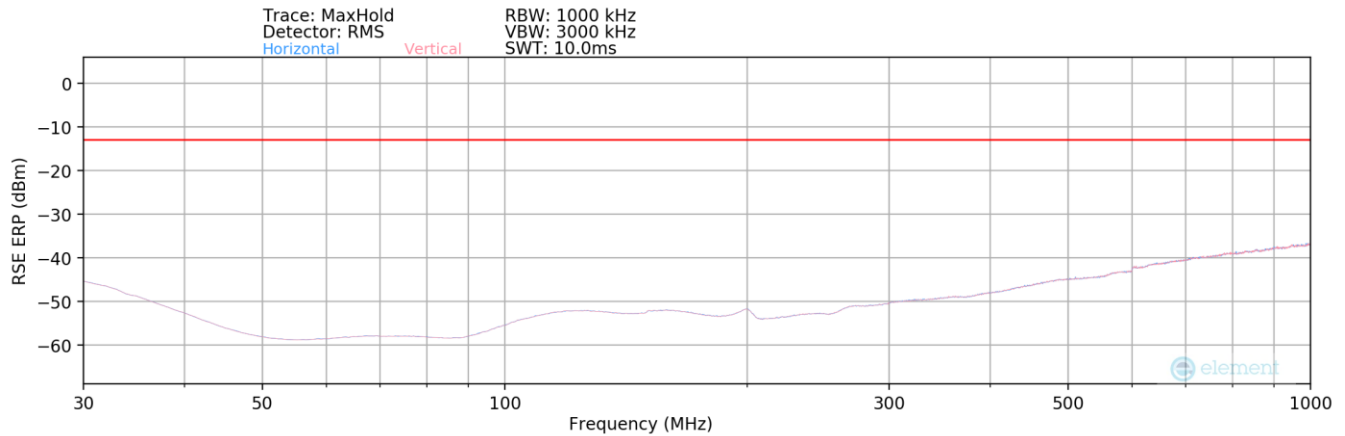
Bandwidth (MHz):	40
Frequency (MHz):	1895
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3790.00	H	142	249	-76.81	1.02	31.21	-64.04	-13.00	-51.04
5685.00	H	282	334	-76.87	4.42	34.55	-60.71	-13.00	-47.71
7580.00	H	-	-	-80.42	9.67	36.25	-59.01	-13.00	-46.01
9475.00	H	-	-	-80.27	11.88	38.61	-56.65	-13.00	-43.65
11370.00	H	-	-	-80.92	13.06	39.14	-56.12	-13.00	-43.12

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

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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GSM/GPRS PCS – Ant1

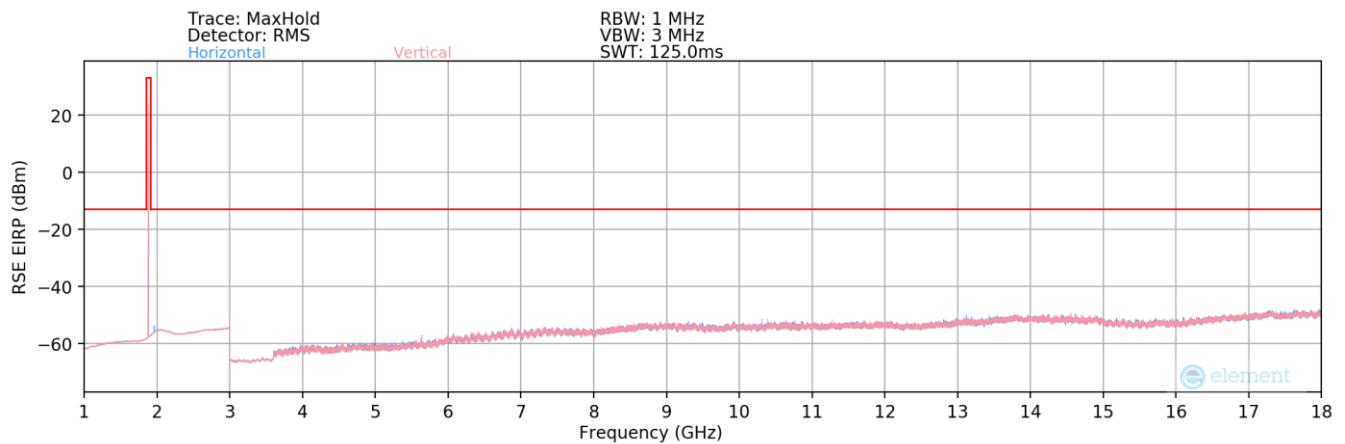


Plot 7-193. Radiated Spurious Plot (GPRS PCS - Ant1)

Mode:	GPRS 1 Tx Slot
Channel:	661
Frequency (MHz):	1880

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
510.00	H	-	-	-101.03	26.09	32.06	-65.34	-13.00	-52.34

Table 7-36. Radiated Spurious Data (GPRS PCS – Mid Channel - Ant1)



Plot 7-194. Radiated Spurious Plot (GPRS PCS - Ant1)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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Mode:	GPRS 1 Tx Slot
Channel:	512
Frequency (MHz):	1850.2

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]
3700.40	H	400	318	-72.48	1.01	35.53	-59.73	-13.00	-46.73
5550.60	H	141	24	-69.93	4.26	41.33	-53.92	-13.00	-40.92
7400.80	H	127	76	-76.51	9.04	39.53	-55.73	-13.00	-42.73
9251.00	H	-	-	-78.24	11.16	39.92	-55.33	-13.00	-42.33
11101.20	H	-	-	-79.45	12.58	40.13	-55.13	-13.00	-42.13
12951.40	H	-	-	-79.60	14.33	41.73	-53.53	-13.00	-40.53

Table 7-37. Radiated Spurious Data (GPRS PCS – Low Channel - Ant1)

Mode:	GPRS 1 Tx Slot
Channel:	661
Frequency (MHz):	1880

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]
3760.00	H	152	36	-72.80	0.94	35.14	-60.12	-13.00	-47.12
5640.00	H	124	22	-67.70	4.49	43.79	-51.47	-13.00	-38.47
7520.00	H	140	51	-76.45	9.38	39.93	-55.33	-13.00	-42.33
9400.00	H	-	-	-78.60	12.36	40.76	-54.50	-13.00	-41.50
11280.00	H	-	-	-79.08	12.98	40.90	-54.36	-13.00	-41.36
13160.00	H	-	-	-79.37	14.38	42.01	-53.25	-13.00	-40.25

Table 7-38. Radiated Spurious Data (GPRS PCS – Mid Channel - Ant1)

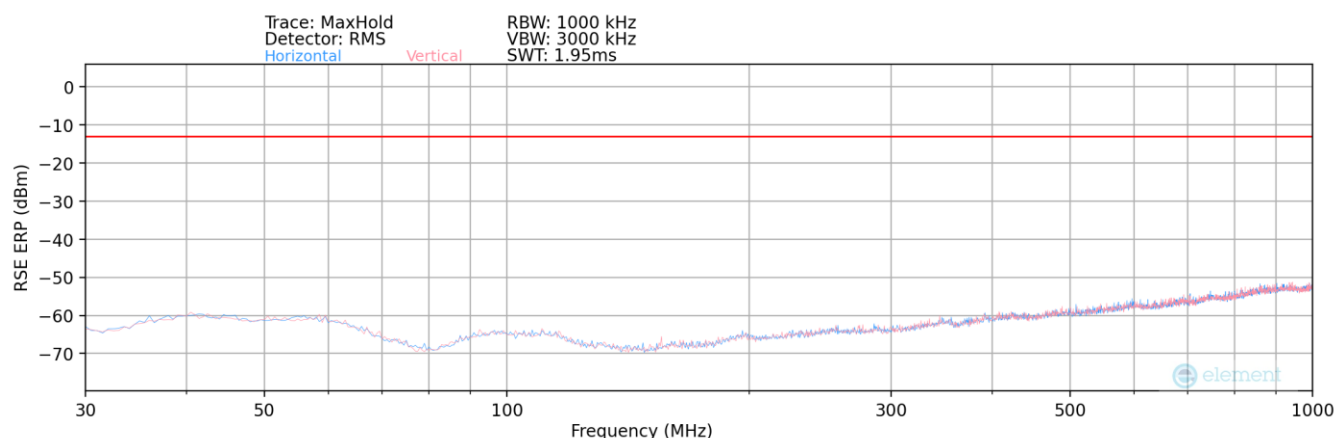
Mode:	GPRS 1 Tx Slot
Channel:	810
Frequency (MHz):	1909.8

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]
3819.60	H	141	326	-73.28	0.99	34.71	-60.54	-13.00	-47.54
5729.40	H	126	324	-65.79	4.53	45.74	-49.52	-13.00	-36.52
7639.20	H	124	47	-77.05	9.69	39.64	-55.61	-13.00	-42.61
9549.00	H	-	-	-78.64	11.83	40.19	-55.07	-13.00	-42.07
11458.80	H	-	-	-79.72	13.48	40.76	-54.50	-13.00	-41.50
13368.60	H	-	-	-79.41	14.60	42.19	-53.06	-13.00	-40.06

Table 7-39. Radiated Spurious Data (GPRS PCS – High Channel - Ant1)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-06-R1-A3L	Test Dates: 11/16/2025 - 1/3/2026	EUT Type: Portable Handset	Page 151 of 163

WCDMA PCS – Ant1

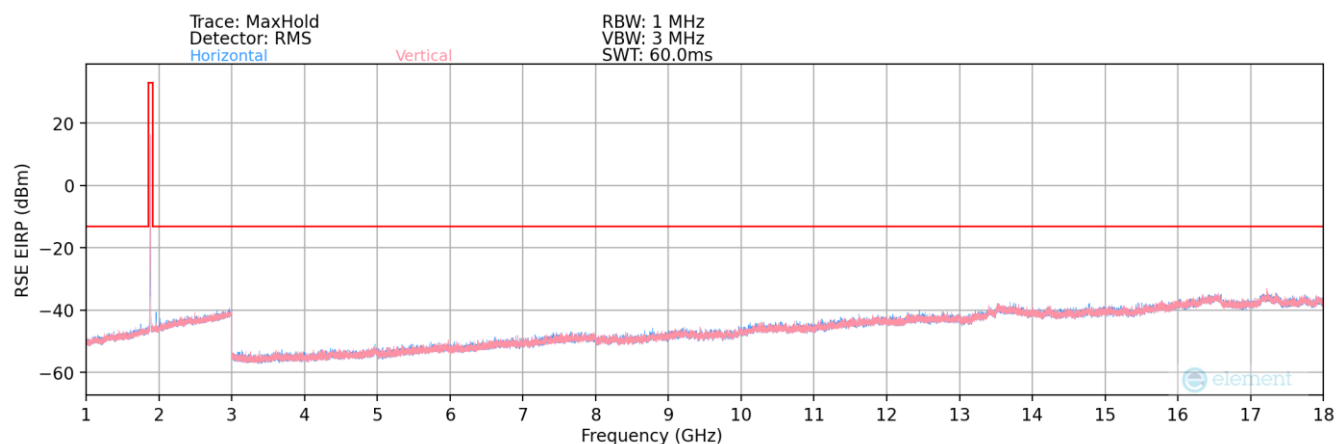


Plot 7-195. Radiated Spurious Plot (WCDMA PCS - Ant1)

Mode:	WCDMA RMC
Channel:	9400
Frequency (MHz):	1880

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
165.00	V	-	-	-81.44	-15.79	9.77	-87.64	-13.00	-74.64

Table 7-40. Radiated Spurious Data (WCDMA PCS – Mid Channel - Ant1)



Plot 7-196. Radiated Spurious Plot (WCDMA PCS - Ant1)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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Mode:	WCDMA RMC
Channel:	9262
Frequency (MHz):	1852.4

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]
3704.80	V	-	-	-79.76	7.65	34.89	-60.37	-13.00	-47.37
5557.20	V	-	-	-81.43	11.41	36.98	-58.28	-13.00	-45.28
7409.60	V	-	-	-81.88	15.01	40.13	-55.13	-13.00	-42.13

Table 7-41. Radiated Spurious Data (WCDMA PCS – Low Channel - Ant1)

Mode:	WCDMA RMC
Channel:	9400
Frequency (MHz):	1880

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]
3760.00	V	-	-	-79.70	7.88	35.18	-60.08	-13.00	-47.08
5640.00	V	-	-	-81.33	11.47	37.14	-58.11	-13.00	-45.11
7520.00	V	-	-	-82.23	15.55	40.32	-54.94	-13.00	-41.94

Table 7-42. Radiated Spurious Data (WCDMA PCS – Mid Channel - Ant1)

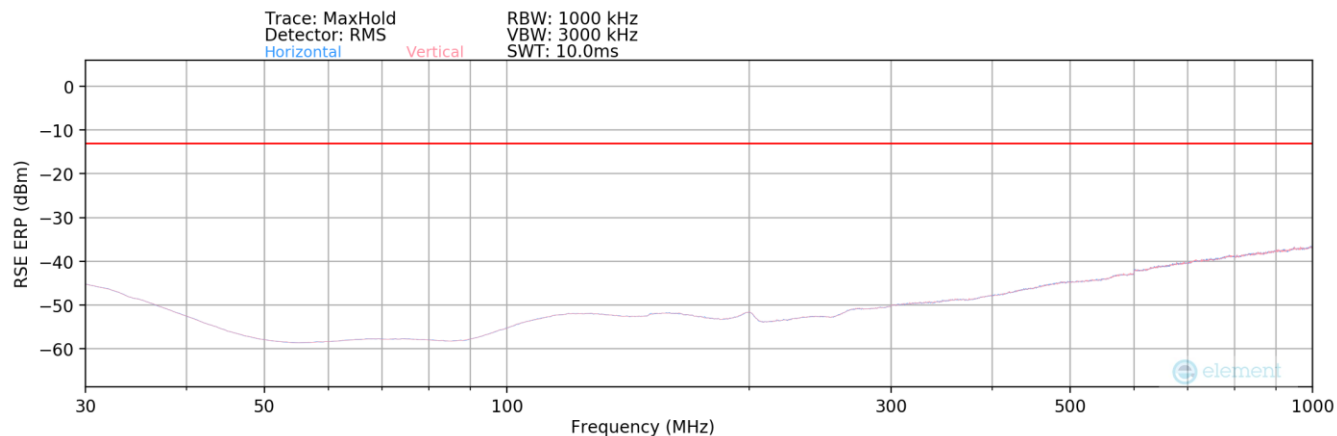
Mode:	WCDMA RMC
Channel:	9538
Frequency (MHz):	1907.6

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]
3815.20	V	-	-	-80.14	7.99	34.85	-60.41	-13.00	-47.41
5722.80	V	-	-	-81.65	11.49	36.84	-58.41	-13.00	-45.41
7630.40	V	-	-	-82.31	15.70	40.39	-54.86	-13.00	-41.86

Table 7-43. Radiated Spurious Data (WCDMA PCS – High Channel - Ant1)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 25/2 – Ant2

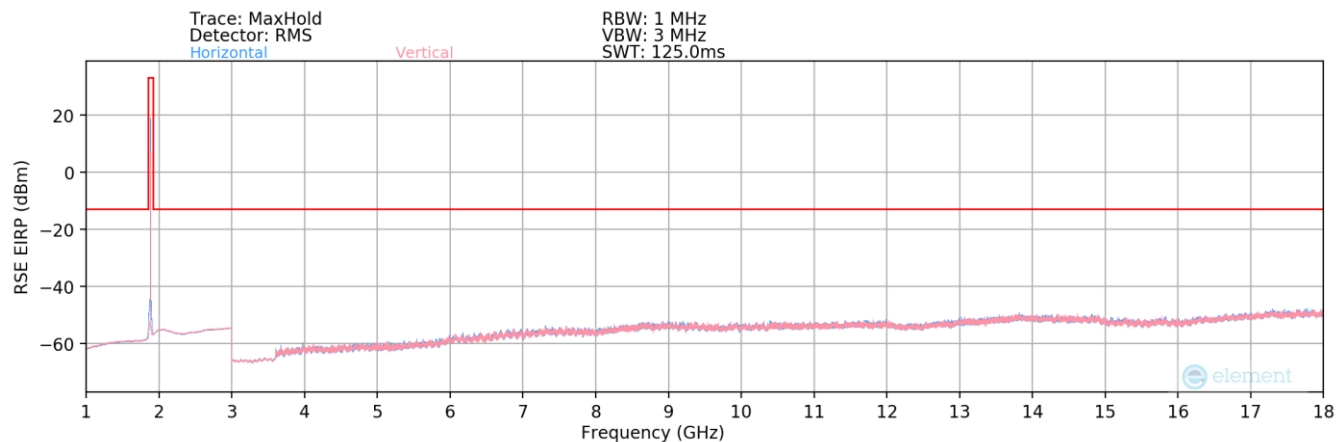


Plot 7-197. Radiated Spurious Plot (LTE Band 25/2 - Ant2)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
200.00	H	-	-	-85.49	20.10	41.61	-55.79	-13.00	-42.79
260.00	H	-	-	-85.52	19.60	41.08	-56.33	-13.00	-43.33
570.00	H	-	-	-85.32	27.06	48.74	-48.67	-13.00	-35.67

Table 7-44. Radiated Spurious Data (LTE Band 25/2 – Mid Channel - Ant2)



Plot 7-198. Radiated Spurious Plot (LTE Band 25/2 - Ant2)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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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	-	-	-78.24	1.10	29.86	-65.39	-13.00	-52.39
5580.00	H	-	-	-79.07	4.26	32.19	-63.07	-13.00	-50.07
7440.00	H	-	-	-79.17	9.31	37.14	-58.12	-13.00	-45.12

Table 7-45. Radiated Spurious Data (LTE Band 25/2 – Low Channel - Ant2)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3765.00	H	-	-	-77.87	0.99	30.12	-65.14	-13.00	-52.14
5647.50	H	-	-	-78.70	4.53	32.83	-62.43	-13.00	-49.43
7530.00	H	-	-	-79.17	9.56	37.39	-57.86	-13.00	-44.86

Table 7-46. Radiated Spurious Data (LTE Band 25/2 – Mid Channel - Ant2)

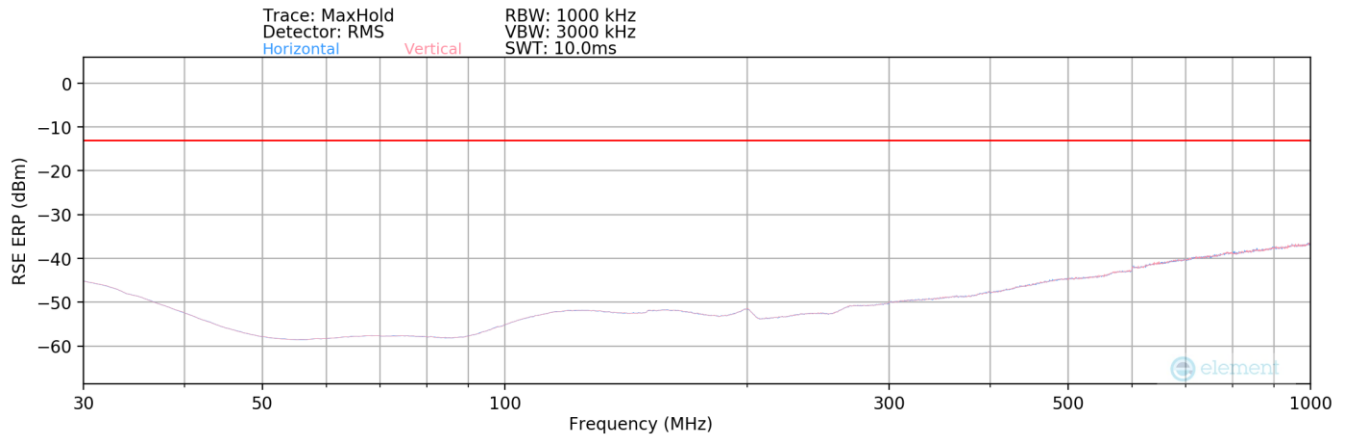
Bandwidth (MHz):	20
Frequency (MHz):	1905
RB / Offset:	1 / 50

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	-	-	-77.66	0.96	30.30	-64.96	-13.00	-51.96
5715.00	H	-	-	-78.74	4.47	32.73	-62.53	-13.00	-49.53
7620.00	H	-	-	-79.57	9.58	37.01	-58.24	-13.00	-45.24

Table 7-47. Radiated Spurious Data (LTE Band 25/2 – High Channel - Ant2)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n25/2 – Ant2

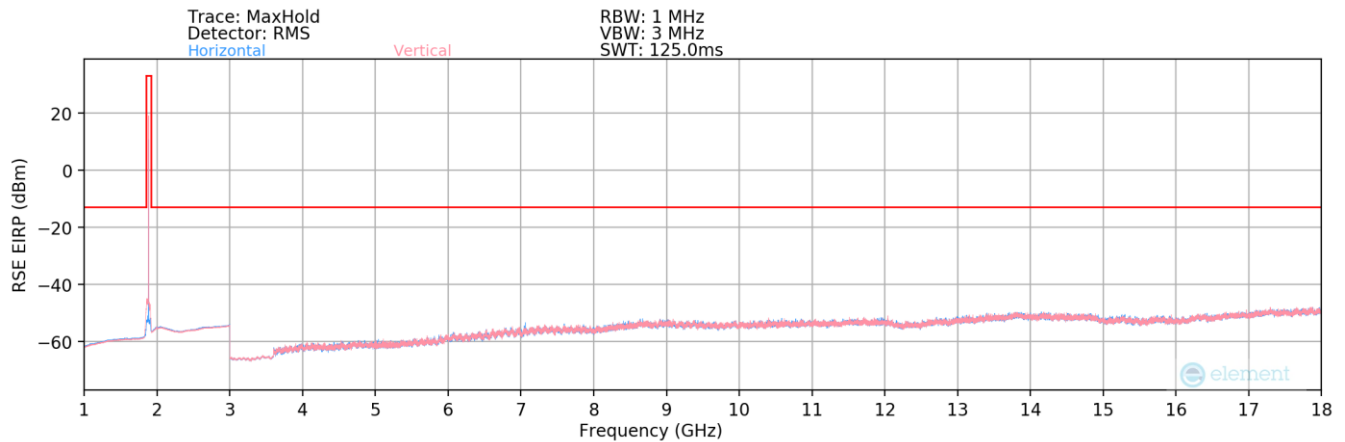


Plot 7-199. Radiated Spurious Plot (NR Band n25/2 - Ant2)

Bandwidth (MHz):	40
Frequency (MHz):	1882.5
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
465.00	V	-	-	-108.15	25.18	24.03	-73.38	-13.00	-60.38

Table 7-48. Radiated Spurious Data (NR Band n25/2 – Mid Channel - Ant2)



Plot 7-200. Radiated Spurious Plot (NR Band n25/2 - Ant2)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth (MHz):	40
Frequency (MHz):	1870
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3740.00	V	-	-	-77.83	0.95	30.12	-65.14	-13.00	-52.14
5610.00	V	-	-	-78.83	4.36	32.53	-62.73	-13.00	-49.73
7480.00	V	-	-	-79.11	9.18	37.07	-58.19	-13.00	-45.19

Table 7-49. Radiated Spurious Data (NR Band n25/2 – Low Channel - Ant2)

Bandwidth (MHz):	40
Frequency (MHz):	1882.5
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3765.00	V	-	-	-77.83	0.99	30.16	-65.10	-13.00	-52.10
5647.50	V	-	-	-78.85	4.53	32.68	-62.58	-13.00	-49.58
7530.00	V	-	-	-79.25	9.56	37.31	-57.94	-13.00	-44.94

Table 7-50. Radiated Spurious Data (NR Band n25/2 – Mid Channel - Ant2)

Bandwidth (MHz):	40
Frequency (MHz):	1895
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3790.00	V	-	-	-78.18	1.02	29.84	-65.41	-13.00	-52.41
5685.00	V	-	-	-78.97	4.42	32.45	-62.81	-13.00	-49.81
7580.00	V	-	-	-79.49	9.67	37.18	-58.08	-13.00	-45.08

Table 7-51. Radiated Spurious Data (NR Band n25/2 – High Channel - Ant2)

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-06-R1-A3L	Test Dates: 11/16/2025 - 1/3/2026	EUT Type: Portable Handset	Page 157 of 163

7.9 Frequency Stability / Temperature Variation

Test Overview and Limit

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

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

For Part 24, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

Test Procedure Used

ANSI C63.26:2015 – Section 5.6

Test Settings

1. The carrier frequency of the transmitter is measured at room temperature (20°C to provide a reference).
2. The equipment is turned on in a “standby” condition for fifteen minutes before applying power to the transmitter. Measurement of the carrier frequency of the transmitter is made within one minute after applying power to the transmitter.
3. Frequency measurements are made at 10°C intervals ranging from -30°C to +50°C. A period of at least one half-hour is provided to allow stabilization of the equipment at each temperature level.

Test Setup

The EUT was connected via an RF cable to a spectrum analyzer with the EUT placed inside an environmental chamber.

Test Notes

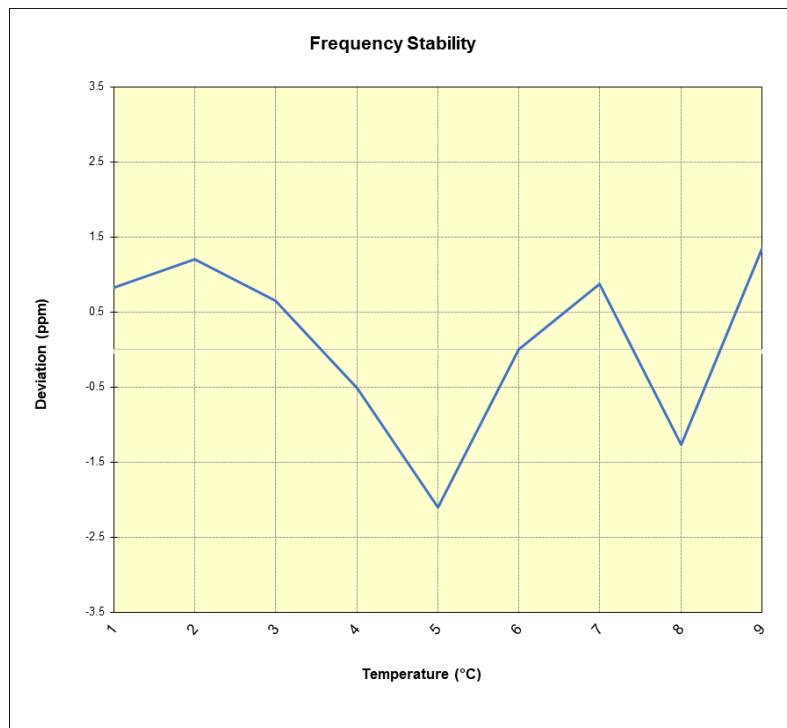
None

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 25/2

<table><tr><td>Operating Frequency (Hz):</td><td colspan="5">1,882,500,000</td></tr><tr><td>Ref. Voltage (VDC):</td><td colspan="5">4.400</td></tr></table>						Operating Frequency (Hz):	1,882,500,000					Ref. Voltage (VDC):	4.400				
Operating Frequency (Hz):	1,882,500,000																
Ref. Voltage (VDC):	4.400																
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)												
100 %	4.400	- 30	1,882,579,793	1,565	0.0000831												
		- 20	1,882,580,502	2,274	0.0001208												
		- 10	1,882,579,455	1,227	0.0000652												
		0	1,882,577,259	-969	-0.0000515												
		+ 10	1,882,574,270	-3,958	-0.0002102												
		+ 20 (Ref)	1,882,578,228	0	0.0000000												
		+ 30	1,882,579,883	1,655	0.0000879												
		+ 40	1,882,575,843	-2,385	-0.0001267												
		+ 50	1,882,580,757	2,529	0.0001343												
Battery Endpoint	3.690	+ 20	1,882,578,863	635	0.0000337												

Table 7-52. LTE Band 25/2 Frequency Stability Data



Plot 7-201. LTE Band 25/2 Frequency Stability Chart

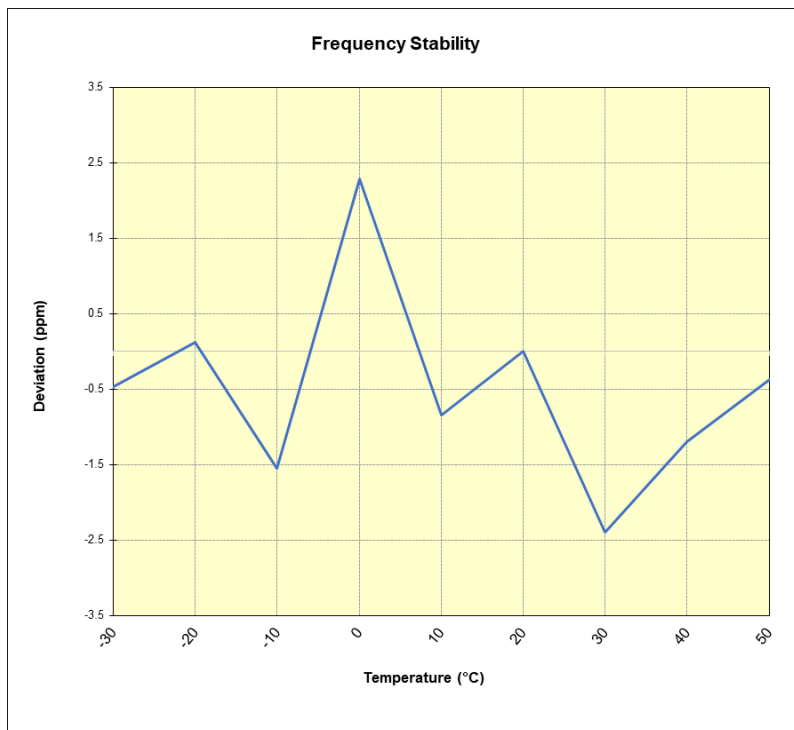
FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n25

Operating Frequency (Hz):	1,882,500,000
Ref. Voltage (VDC):	4.400
Deviation Limit:	$\pm 0.00025\%$ or 2.5 ppm

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.400	- 30	1,882,485,994	-871	-0.0000463
		- 20	1,882,487,091	226	0.0000120
		- 10	1,882,483,940	-2,925	-0.0001554
		0	1,882,491,176	4,311	0.0002290
		+ 10	1,882,485,286	-1,579	-0.0000839
		+ 20 (Ref)	1,882,486,865	0	0.0000000
		+ 30	1,882,482,344	-4,521	-0.0002402
		+ 40	1,882,484,604	-2,261	-0.0001201
		+ 50	1,882,486,152	-713	-0.0000379
Battery Endpoint	3.690	+ 20	1,882,489,196	2,331	0.0001238

Table 7-53. NR Band n25/2 Frequency Stability Data



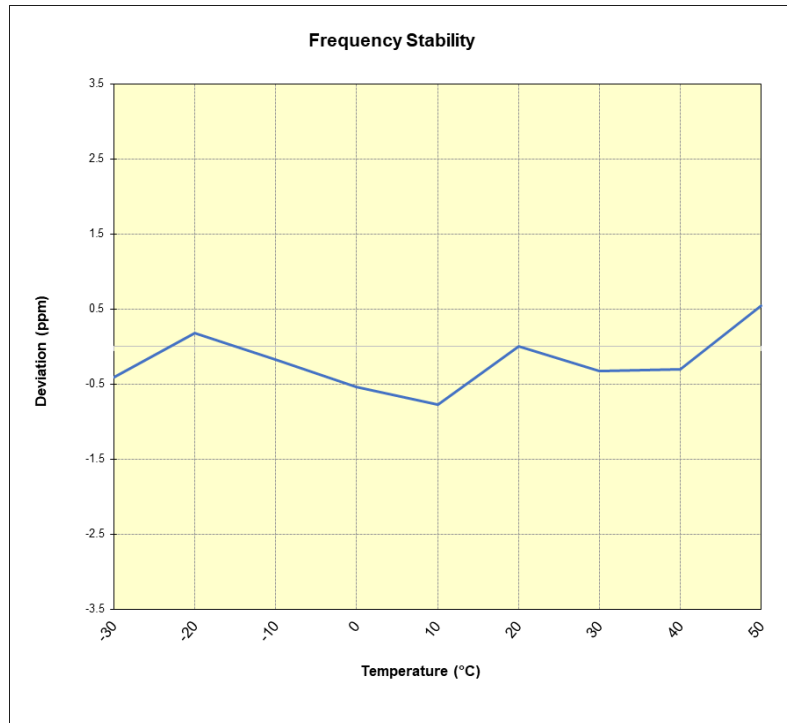
Plot 7-202. NR Band n25/2 Frequency Stability Chart

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-06-R1.A3L	Test Dates: 11/16/2025 - 1/3/2026	EUT Type: Portable Handset	Page 160 of 163

GSM/GPRS PCS

			Operating Frequency (Hz):	1,880,000,000	
			Ref. Voltage (VDC):	4.400	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.400	- 30	1,879,999,892	-775	-0.0000412
		- 20	1,880,000,997	330	0.0000176
		- 10	1,880,000,344	-323	-0.0000172
		0	1,879,999,651	-1,016	-0.0000540
		+ 10	1,879,999,207	-1,460	-0.0000777
		+ 20 (Ref)	1,880,000,667	0	0.0000000
		+ 30	1,880,000,059	-608	-0.0000323
		+ 40	1,880,000,096	-571	-0.0000304
		+ 50	1,880,001,699	1,032	0.0000549
Battery Endpoint	3.690	+ 20	1,880,000,487	-180	-0.0000096

Table 7-54. GSM/GPRS PCS Frequency Stability Data

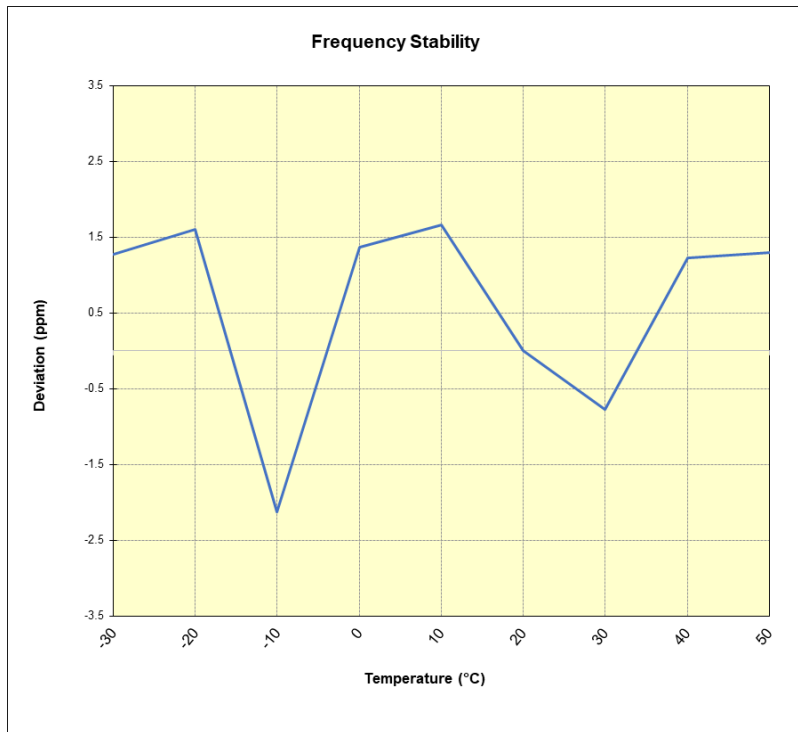


Plot 7-203. GSM/GPRS PCS Frequency Stability Chart

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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WCDMA PCS					
		Operating Frequency (Hz):		1,880,000,000	
		Ref. Voltage (VDC):		4.400	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.400	- 30	1,880,001,241	2,407	0.0001280
		- 20	1,880,001,858	3,024	0.0001609
		- 10	1,879,994,831	-4,003	-0.0002129
		0	1,880,001,413	2,579	0.0001372
		+ 10	1,880,001,961	3,127	0.0001663
		+ 20 (Ref)	1,879,998,834	0	0.0000000
		+ 30	1,879,997,377	-1,457	-0.0000775
		+ 40	1,880,001,135	2,301	0.0001224
		+ 50	1,880,001,285	2,451	0.0001304
Battery Endpoint	3.690	+ 20	1,880,000,957	2,123	0.0001129

Table 7-55. WCDMA PCS Frequency Stability Data



Plot 7-204. WCDMA PCS Frequency Stability Chart

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Samsung Portable Handset FCC ID: A3LSMS947B** complies with all the requirements of Part 24 of the FCC rules.

- END OF TEST REPORT -

FCC ID: A3LSMS947B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-06-R1.A3L	Test Dates: 11/16/2025 - 1/3/2026	EUT Type: Portable Handset	Page 163 of 163