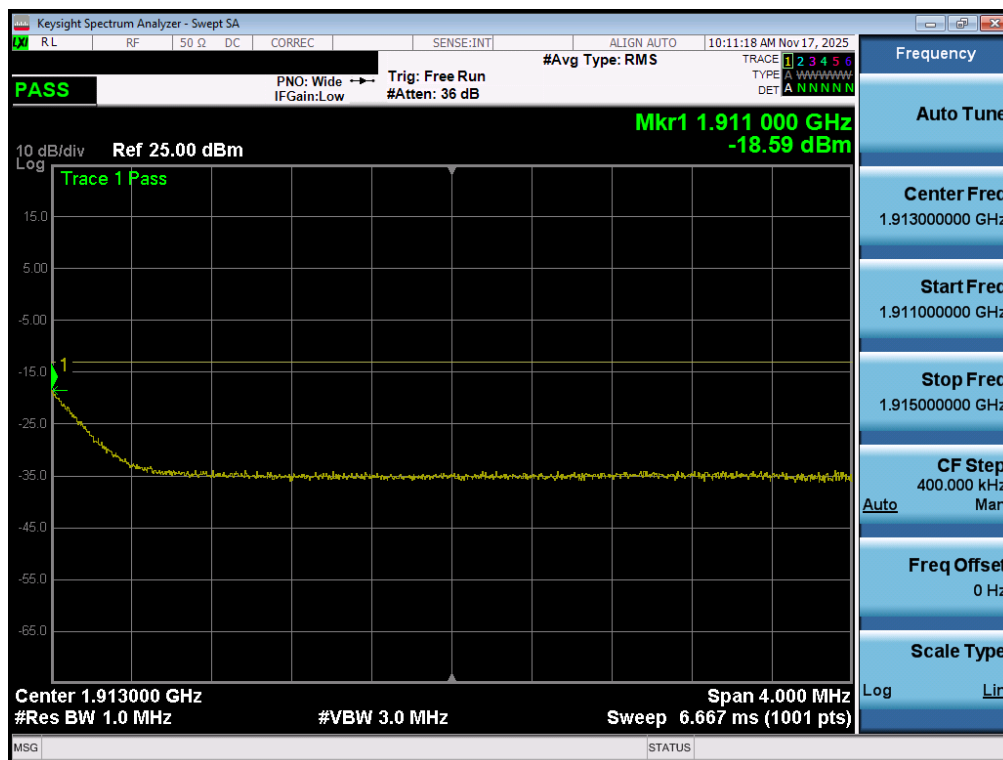




Plot 7-104. Upper Band Edge Plot (NR Band n2 - 10MHz QPSK – Full RB - Ant1)

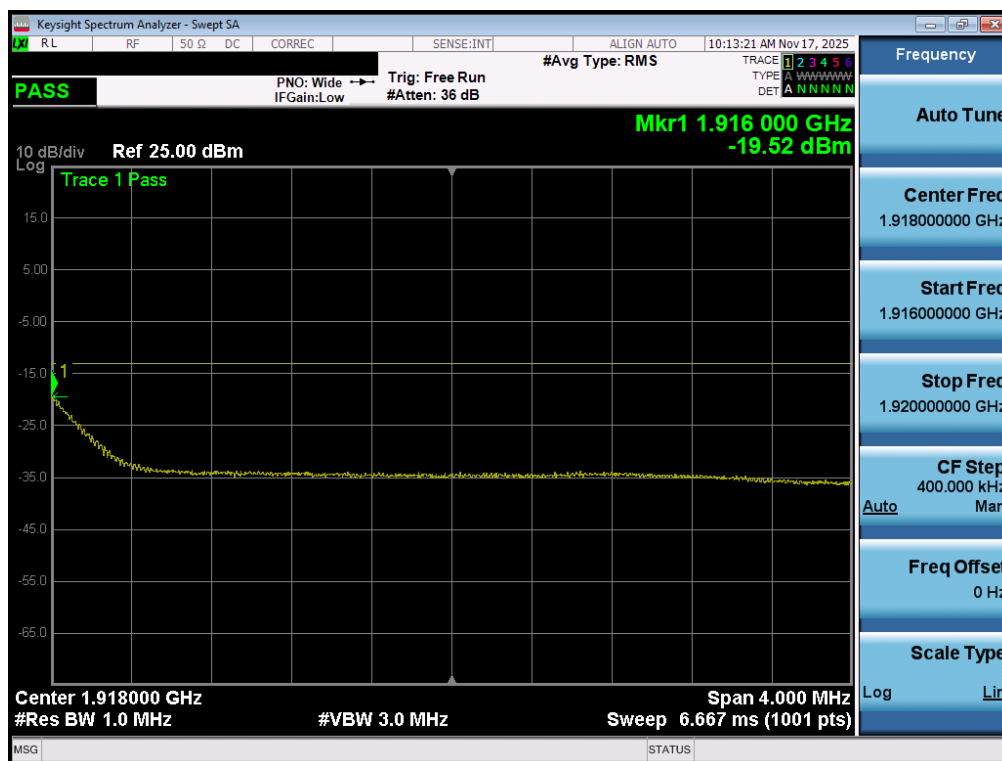


Plot 7-105. Extended Upper Band Edge Plot (NR Band n2 - 10MHz QPSK – Full RB - Ant1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-106. Upper Band Edge Plot (NR Band n25 - 10MHz QPSK – Full RB - Ant1)



Plot 7-107. Extended Upper Band Edge Plot (NR Band n25 - 10MHz QPSK – Full RB - Ant1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
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Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
LTE-B25-2	20MHz	Low	Band Edge	-26.95	-13	-13.95
		Low	Extended	-20.39	-13	-7.39
		High [B2]	Band Edge	-26.76	-13	-13.76
		High [B25]	Band Edge	-25.36	-13	-12.36
		High [B2]	Extended	-20.57	-13	-7.57
		High [B25]	Extended	-20.69	-13	-7.69
	15MHz	Low	Band Edge	-26.17	-13	-13.17
		Low	Extended	-19.30	-13	-6.30
		High [B2]	Band Edge	-25.95	-13	-12.95
		High [B25]	Band Edge	-24.86	-13	-11.86
		High [B2]	Extended	-19.88	-13	-6.88
		High [B25]	Extended	-18.29	-13	-5.29
	10MHz	Low	Band Edge	-25.23	-13	-12.23
		Low	Extended	-17.95	-13	-4.95
		High [B2]	Band Edge	-25.14	-13	-12.14
		High [B25]	Band Edge	-23.56	-13	-10.56
		High [B2]	Extended	-17.52	-13	-4.52
		High [B25]	Extended	-15.78	-13	-2.78
	5MHz	Low	Band Edge	-22.11	-13	-9.11
		Low	Extended	-18.21	-13	-5.21
		High [B2]	Band Edge	-21.92	-13	-8.92
		High [B25]	Band Edge	-21.71	-13	-8.71
		High [B2]	Extended	-16.96	-13	-3.96
		High [B25]	Extended	-16.22	-13	-3.22
	3MHz	Low	Band Edge	-22.80	-13	-9.80
		Low	Extended	-18.04	-13	-5.04
		High [B2]	Band Edge	-22.04	-13	-9.04
		High [B25]	Band Edge	-20.38	-13	-7.38
		High [B2]	Extended	-16.60	-13	-3.60
		High [B25]	Extended	-15.64	-13	-2.64
	1.4MHz	Low	Band Edge	-24.38	-13	-11.38
		Low	Extended	-31.97	-13	-18.97
		High [B2]	Band Edge	-22.40	-13	-9.40
		High [B25]	Band Edge	-21.33	-13	-8.33
		High [B2]	Extended	-30.40	-13	-17.40
		High [B25]	Extended	-30.47	-13	-17.47

Table 7-14. Conducted Band Edge Results – Ant2

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-06-R1.A3L	Test Dates: 11/3/2025 - 12/05/2025	EUT Type: Portable Handset	Page 86 of 159

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n25-2	40MHz	Low	Band Edge	-23.13	-13	-10.13
		Low	Extended	-21.24	-13	-8.24
		High [n2]	Band Edge	-22.12	-13	-9.12
		High [n25]	Band Edge	-21.39	-13	-8.39
		High [n2]	Extended	-21.11	-13	-8.11
		High [n25]	Extended	-20.74	-13	-7.74
	30MHz	Low	Band Edge	-23.23	-13	-10.23
		Low	Extended	-20.81	-13	-7.81
		High [n2]	Band Edge	-22.96	-13	-9.96
		High [n25]	Band Edge	-22.28	-13	-9.28
		High [n2]	Extended	-19.61	-13	-6.61
		High [n25]	Extended	-19.64	-13	-6.64
	25MHz	Low	Band Edge	-23.88	-13	-10.88
		Low	Extended	-19.53	-13	-6.53
		High [n2]	Band Edge	-23.04	-13	-10.04
		High [n25]	Band Edge	-22.49	-13	-9.49
		High [n2]	Extended	-18.80	-13	-5.80
		High [n25]	Extended	-18.53	-13	-5.53
	20MHz	Low	Band Edge	-23.79	-13	-10.79
		Low	Extended	-19.14	-13	-6.14
		High [n2]	Band Edge	-22.76	-13	-9.76
		High [n25]	Band Edge	-21.67	-13	-8.67
		High [n2]	Extended	-18.46	-13	-5.46
		High [n25]	Extended	-18.15	-13	-5.15
	15MHz	Low	Band Edge	-23.69	-13	-10.69
		Low	Extended	-17.64	-13	-4.64
		High [n2]	Band Edge	-22.93	-13	-9.93
		High [n25]	Band Edge	-21.62	-13	-8.62
		High [n2]	Extended	-16.96	-13	-3.96
		High [n25]	Extended	-16.12	-13	-3.12
	10MHz	Low	Band Edge	-22.45	-13	-9.45
		Low	Extended	-14.89	-13	-1.89
		High [n2]	Band Edge	-23.85	-13	-10.85
		High [n25]	Band Edge	-20.74	-13	-7.74
		High [n2]	Extended	-16.30	-13	-3.30
		High [n25]	Extended	-15.69	-13	-2.69
	5MHz	Low	Band Edge	-22.18	-13	-9.18
		Low	Extended	-16.64	-13	-3.64
		High [n2]	Band Edge	-20.95	-13	-7.95
		High [n25]	Band Edge	-19.51	-13	-6.51
		High [n2]	Extended	-15.11	-13	-2.11
		High [n25]	Extended	-15.59	-13	-2.59

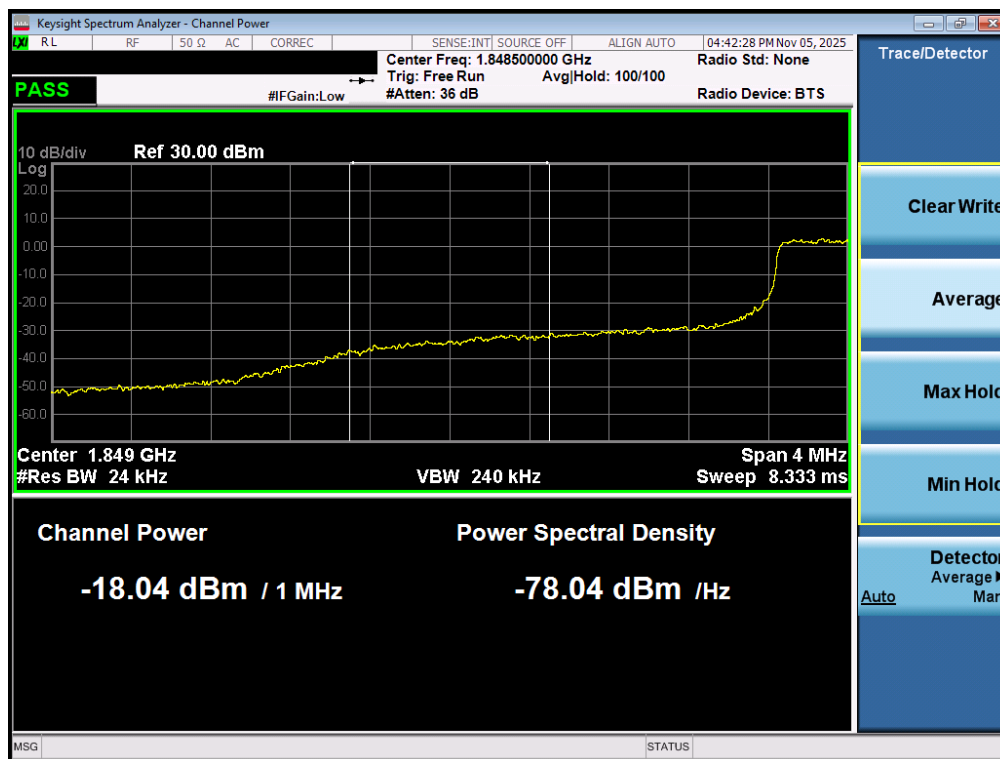
Table 7-15. Conducted Band Edge Results – Ant2

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 25/2 – Ant2



Plot 7-108. Lower Band Edge Plot (LTE Band 25/2 - 3MHz QPSK – Full RB – Ant2)

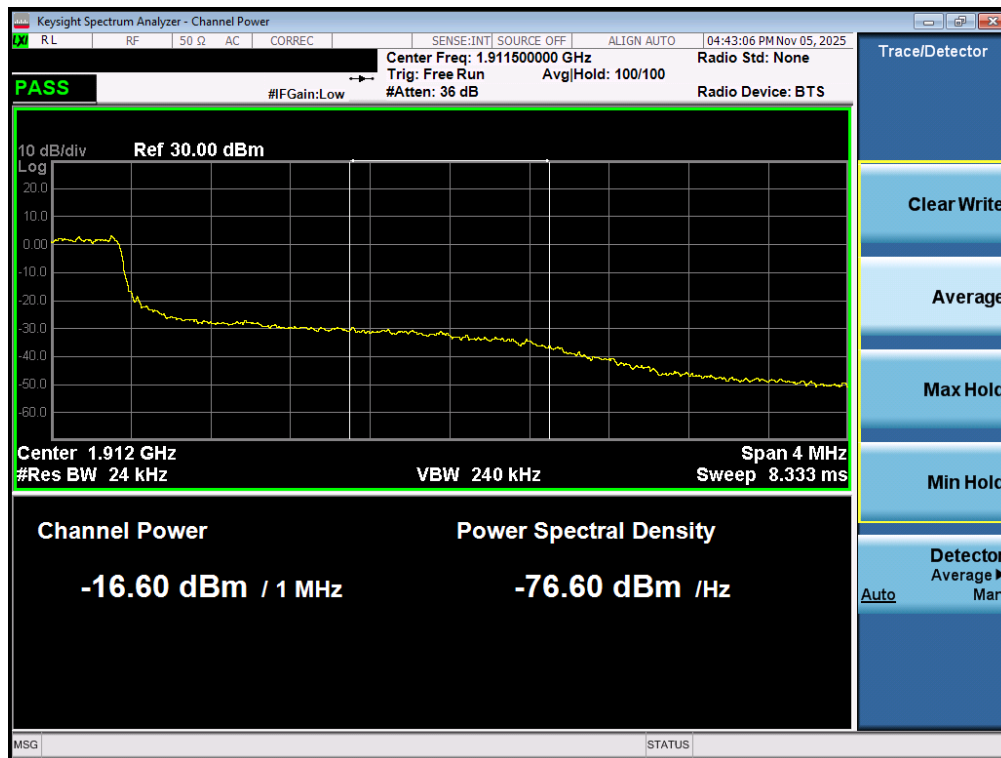


Plot 7-109. Extended Lower Band Edge Plot (LTE Band 25/2 - 3MHz QPSK – Full RB – Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-110. Upper Band Edge Plot (LTE Band 2 - 3MHz QPSK – Full RB – Ant2)

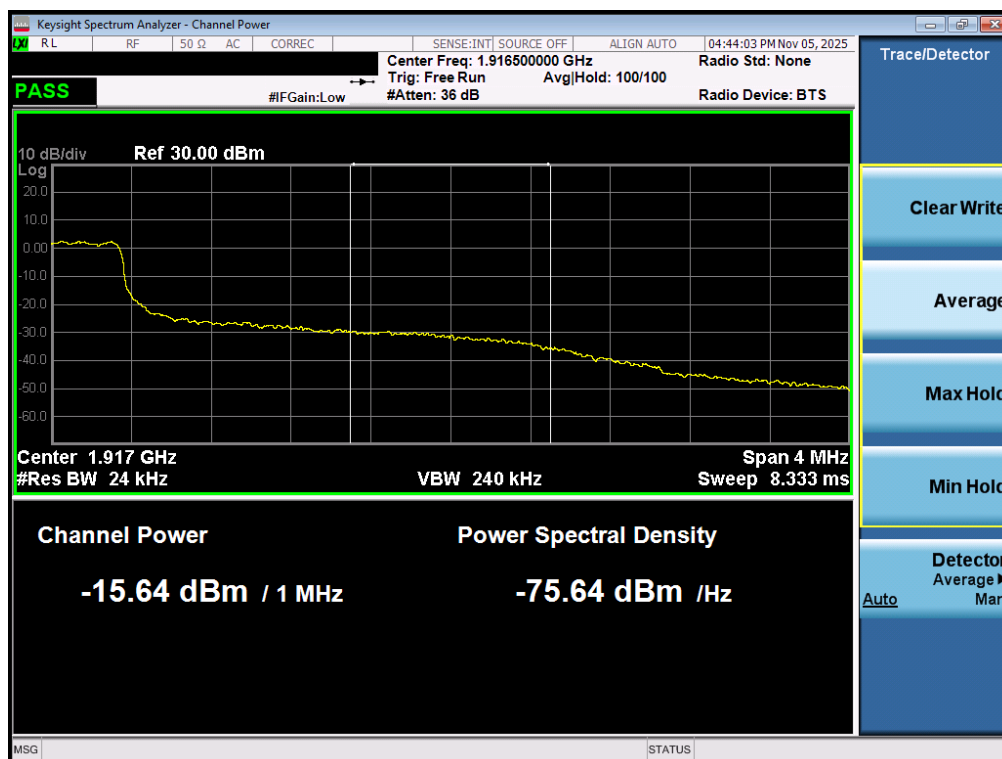


Plot 7-111. Extended Upper Band Edge Plot (LTE Band 2 - 3MHz QPSK – Full RB – Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-06-R1.A3L	Test Dates: 11/3/2025 - 12/05/2025	EUT Type: Portable Handset	Page 89 of 159



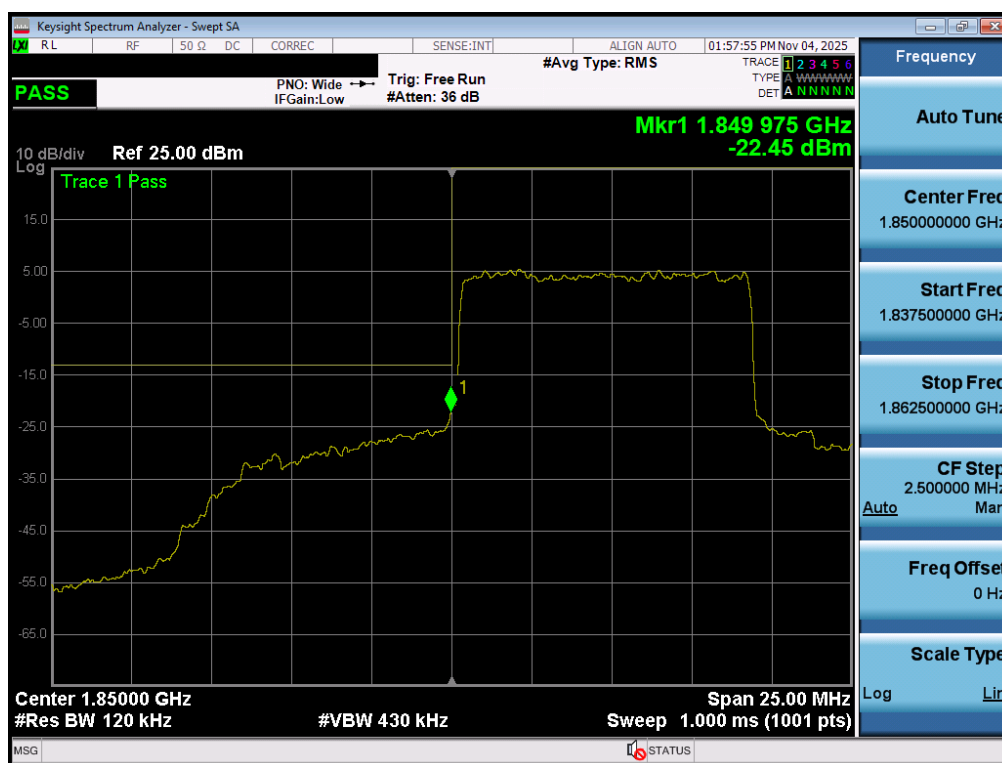
Plot 7-112. Upper Band Edge Plot (LTE Band 25 - 3MHz QPSK – Full RB – Ant2)



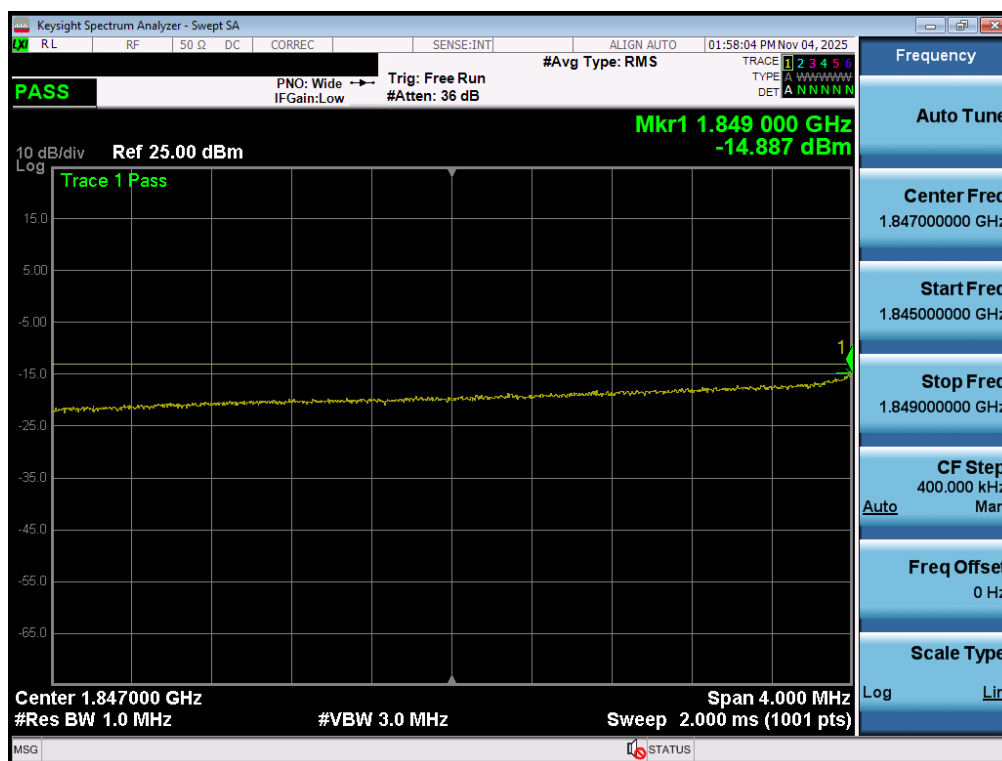
Plot 7-113. Extended Upper Band Edge Plot (LTE Band 25 - 3MHz QPSK – Full RB – Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-06-R1.A3L	Test Dates: 11/3/2025 - 12/05/2025	EUT Type: Portable Handset	Page 90 of 159

NR Band n25/2 – Ant2



Plot 7-114. Lower Band Edge Plot (NR Band n25/2 - 10MHz QPSK – Full RB - Ant2)

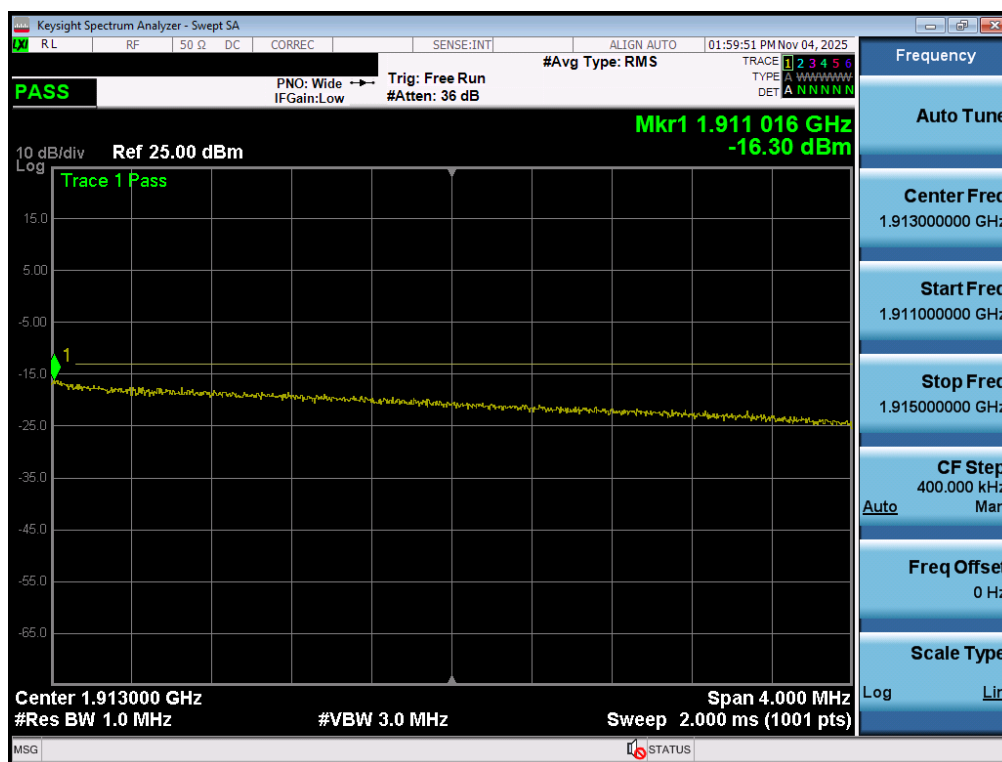


Plot 7-115. Extended Lower Band Edge Plot (NR Band n25/2 - 10MHz QPSK – Full RB - Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-116. Upper Band Edge Plot (NR Band n2 - 10MHz QPSK – Full RB - Ant2)

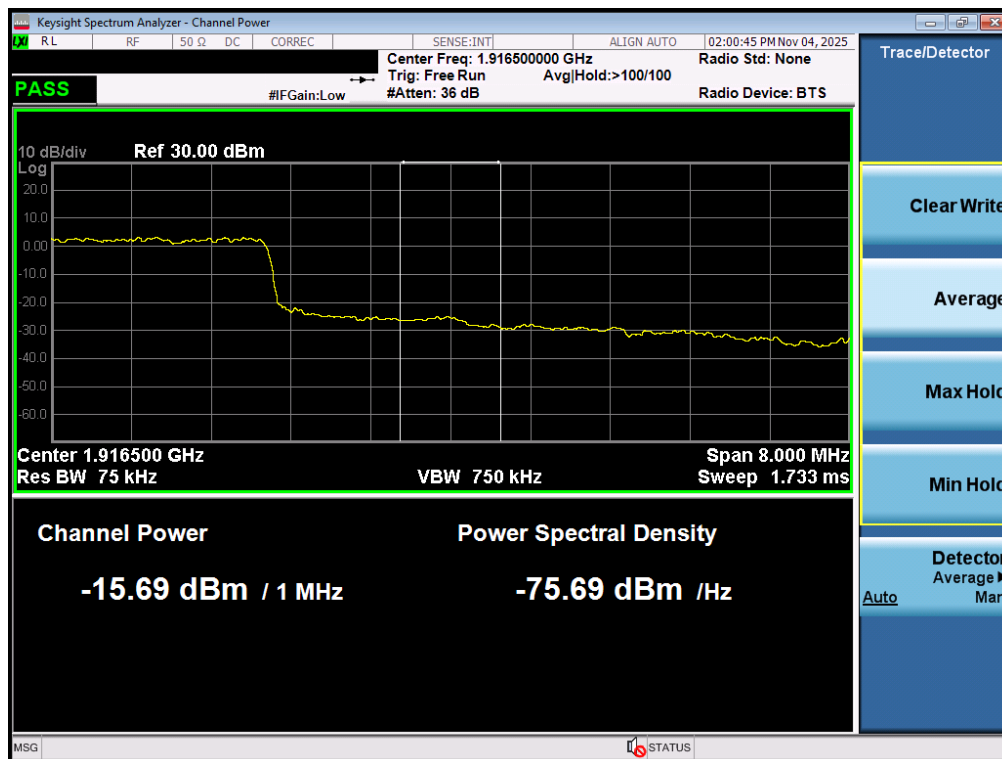


Plot 7-117. Extended Upper Band Edge Plot (NR Band n2 - 10MHz QPSK – Full RB - Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-06-R1.A3L	Test Dates: 11/3/2025 - 12/05/2025	EUT Type: Portable Handset	Page 92 of 159



Plot 7-118. Upper Band Edge Plot (NR Band n25 - 10MHz QPSK – Full RB - Ant2)



Plot 7-119. Extended Upper Band Edge Plot (NR Band n25 - 10MHz QPSK – Full RB - Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-06-R1.A3L	Test Dates: 11/3/2025 - 12/05/2025	EUT Type: Portable Handset	Page 93 of 159

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.

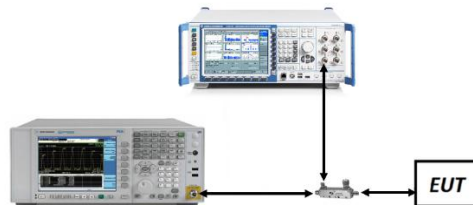


Figure 7-5. Test Instrument & Measurement Setup

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: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-06-R1.A3L	Test Dates: 11/3/2025 - 12/05/2025	EUT Type: Portable Handset	Page 94 of 159

Mode	Bandwidth	Modulation	Average Power [dBm]	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
GSM-PCS	N/A	GMSK	26.67	2.78	13	-10.22
GSM-PCS EDGE		8-PSK	21.87	5.50	13	-7.50
WCDMA-PCS		Spread Spectrum	23.21	2.65	13	-10.35
LTE-B25-2	20MHz	QPSK	22.55	4.89	13	-8.11
		256QAM	18.41	5.66	13	-7.34
	15MHz	QPSK	22.49	4.91	13	-8.09
		256QAM	18.21	5.68	13	-7.32
	10MHz	QPSK	22.78	4.97	13	-8.03
		256QAM	18.29	5.65	13	-7.35
	5MHz	QPSK	22.65	4.99	13	-8.01
		256QAM	18.02	6.36	13	-6.64
	3MHz	QPSK	22.76	5.02	13	-7.98
		256QAM	17.99	6.37	13	-6.63
	1.4MHz	QPSK	22.60	4.96	13	-8.04
		256QAM	18.75	7.46	13	-5.54

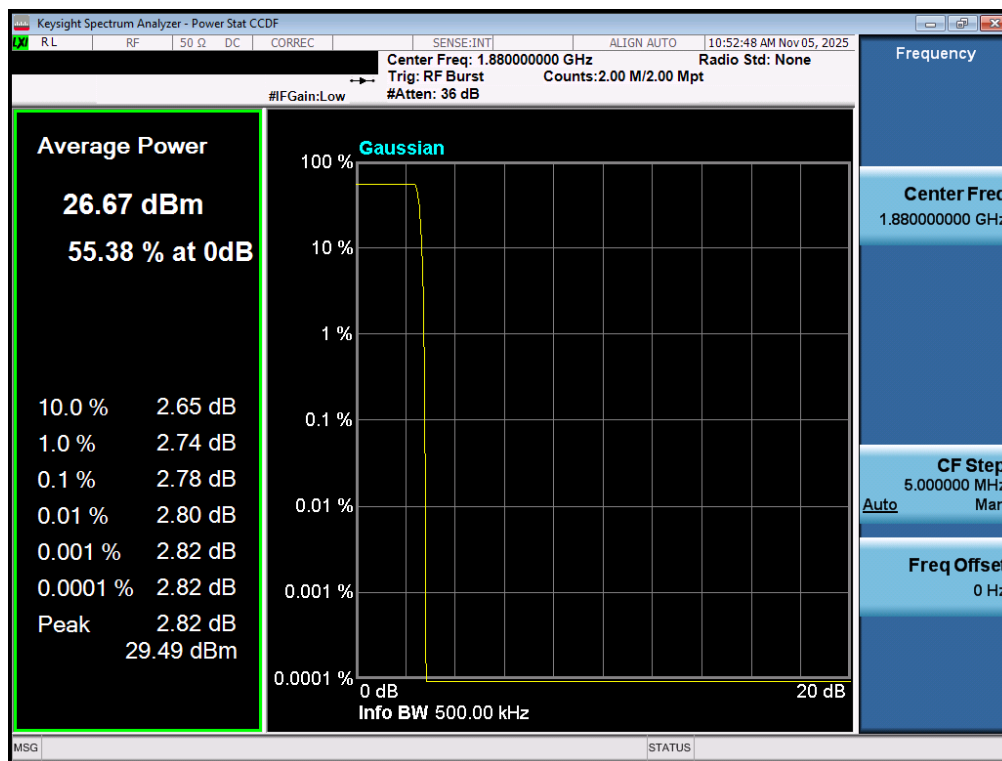
Table 7-16. Peak-Average Ratio Results – Ant1

Mode	Bandwidth	Modulation	Average Power [dBm]	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
NR-n25-2	40MHz	BPSK	22.45	5.05	13	-7.95
		QPSK	19.86	7.38	13	-5.62
		256QAM	16.30	8.30	13	-4.70
	30MHz	BPSK	22.39	4.36	13	-8.64
		QPSK	19.82	7.37	13	-5.63
		256QAM	16.30	8.22	13	-4.78
	25MHz	BPSK	22.45	4.66	13	-8.34
		QPSK	19.90	7.39	13	-5.61
		256QAM	16.35	8.34	13	-4.66
	20MHz	BPSK	22.40	4.35	13	-8.65
		QPSK	19.82	7.46	13	-5.54
		256QAM	16.28	8.22	13	-4.78
	15MHz	BPSK	22.43	4.33	13	-8.67
		QPSK	19.87	7.44	13	-5.56
		256QAM	16.33	8.20	13	-4.81
	10MHz	BPSK	22.37	4.30	13	-8.70
		QPSK	19.80	7.23	13	-5.77
		256QAM	16.30	8.22	13	-4.78
	5MHz	BPSK	22.38	4.28	13	-8.72
		QPSK	19.84	7.08	13	-5.92
		256QAM	16.29	8.25	13	-4.75

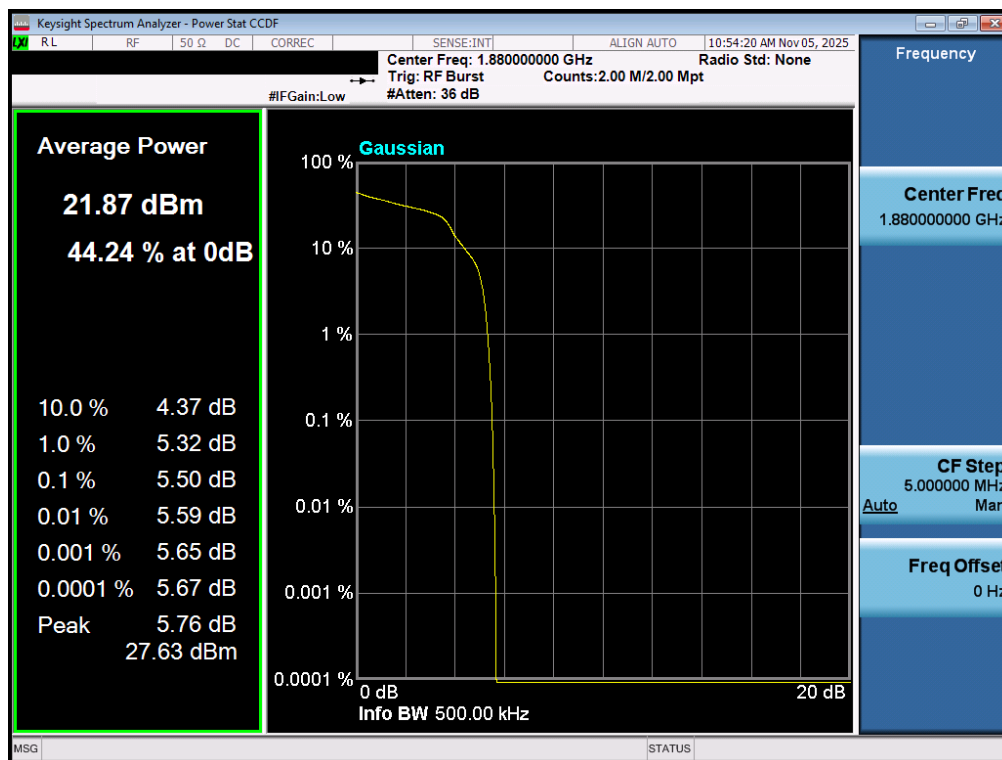
Table 7-17. Peak-Average Ratio Results – Ant1

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
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GSM/GPRS PCS – Ant1



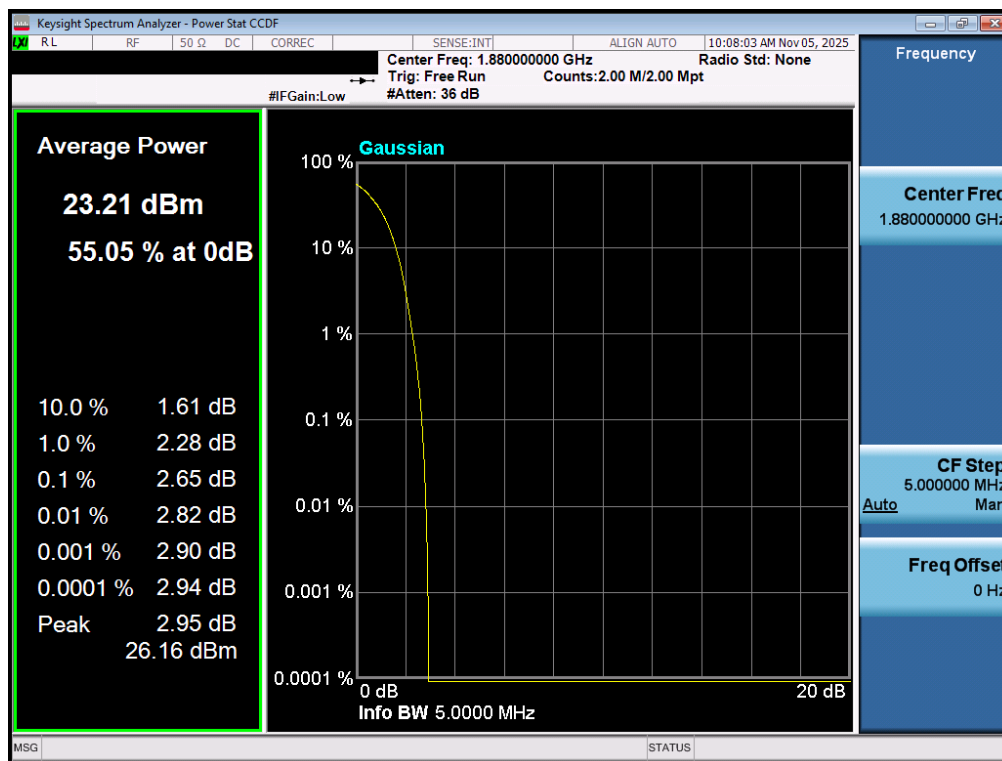
Plot 7-120. PAR Plot (GPRS, Ch. 661 - Ant1)



Plot 7-121. PAR Plot (EDGE, Ch. 661 - Ant1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-06-R1.A3L	Test Dates: 11/3/2025 - 12/05/2025	EUT Type: Portable Handset	Page 96 of 159

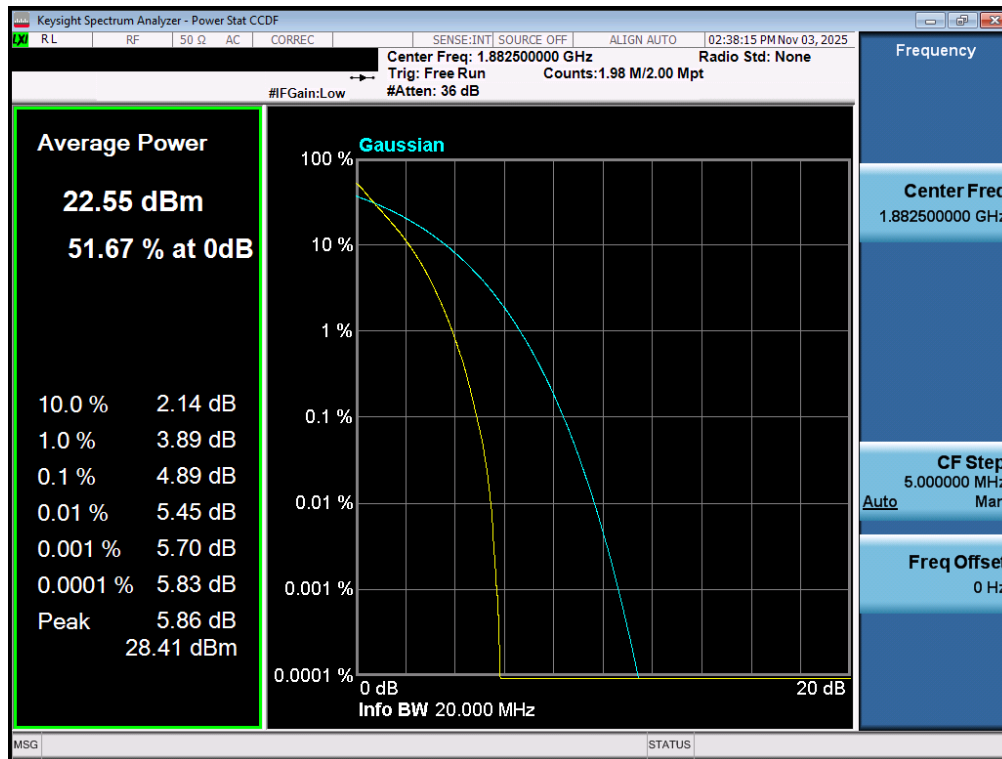
WCDMA PCS – Ant1



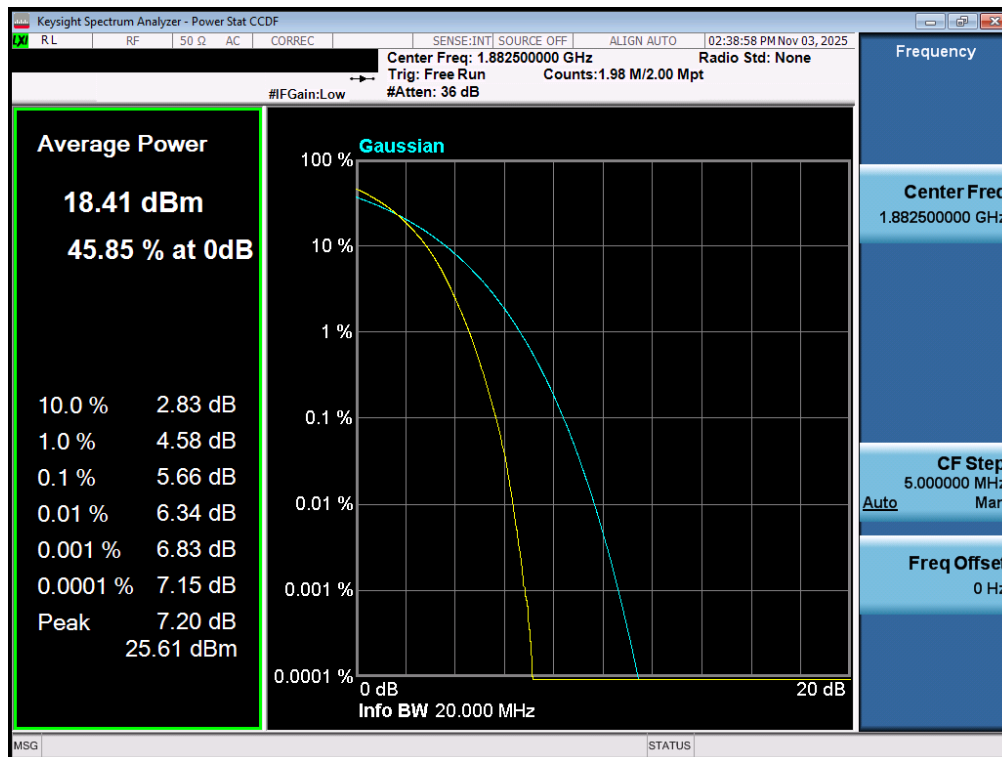
Plot 7-122. PAR Plot (WCDMA, Ch. 9400 - Ant1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 25/2 – Ant1

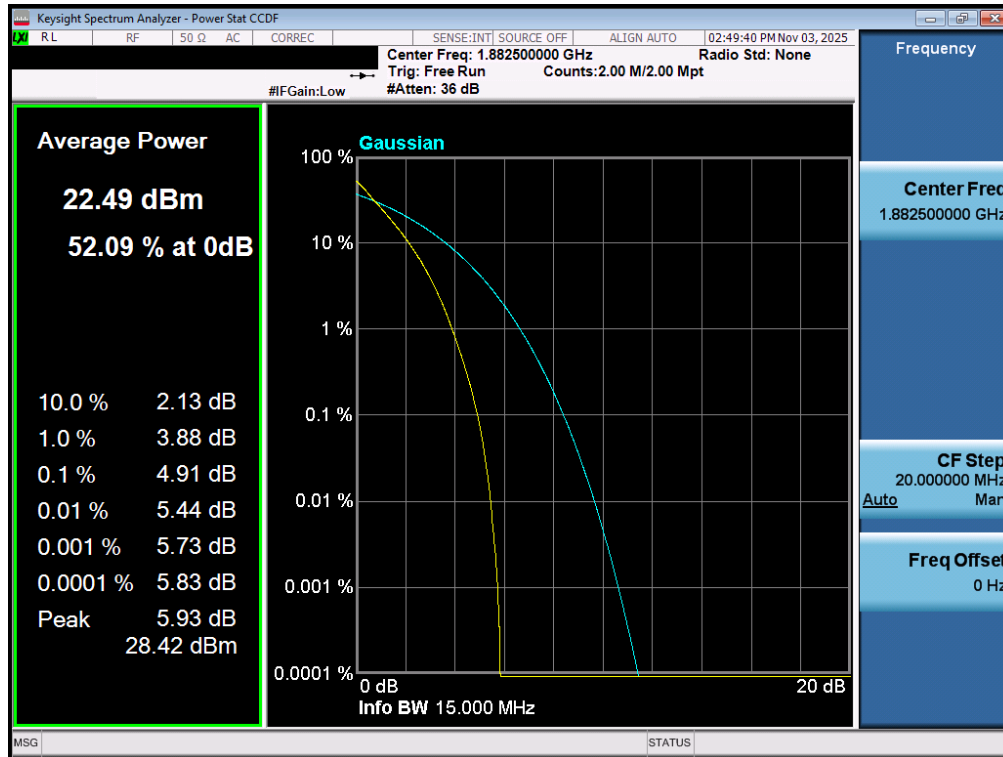


Plot 7-123. PAR Plot (LTE Band 25/2 - 20MHz QPSK - Full RB - Ant1)

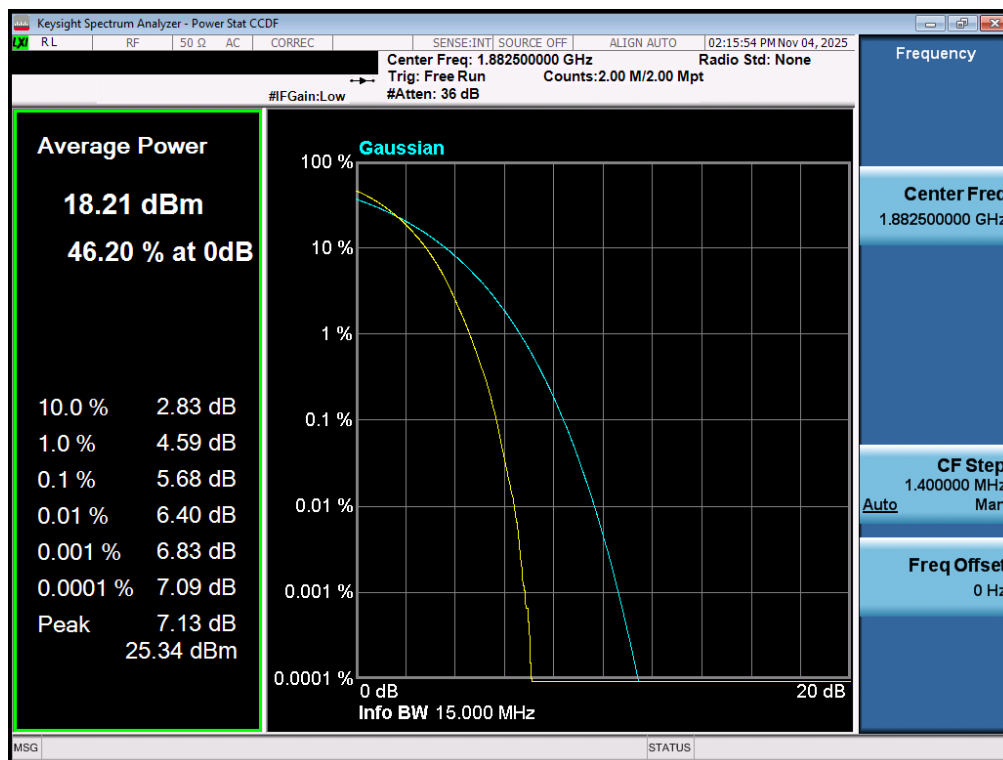


Plot 7-124. PAR Plot (LTE Band 25/2 - 20MHz 256-QAM - Full RB - Ant1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-06-R1.A3L	Test Dates: 11/3/2025 - 12/05/2025	EUT Type: Portable Handset	Page 98 of 159

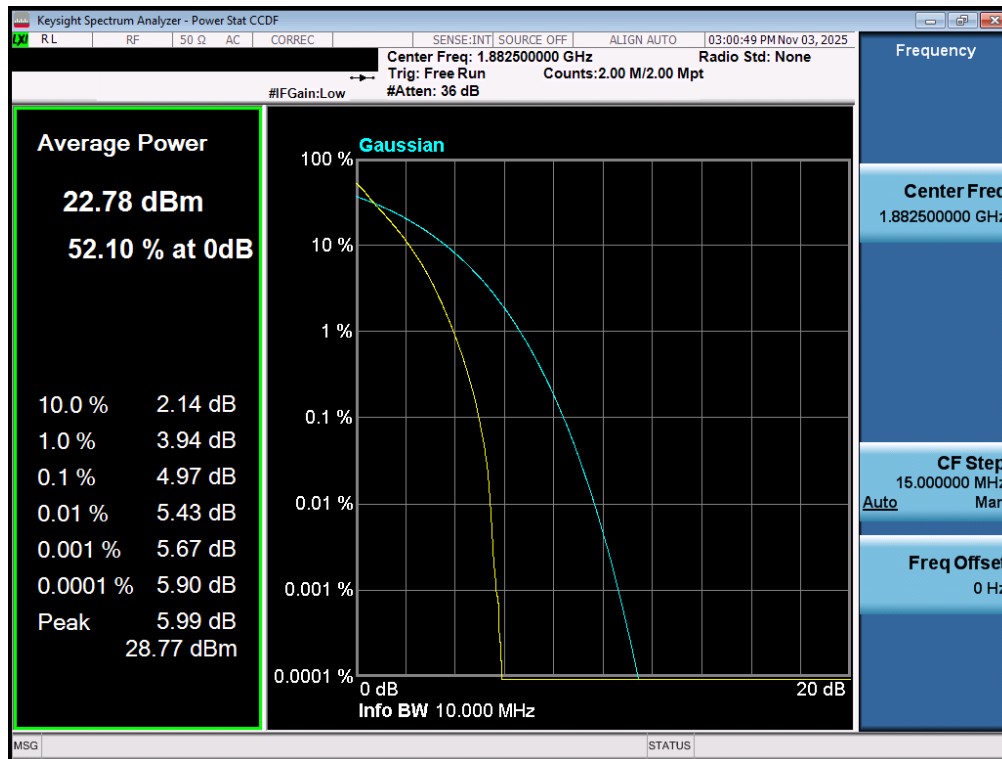


Plot 7-125. PAR Plot (LTE Band 25/2 - 15MHz QPSK - Full RB - Ant1)

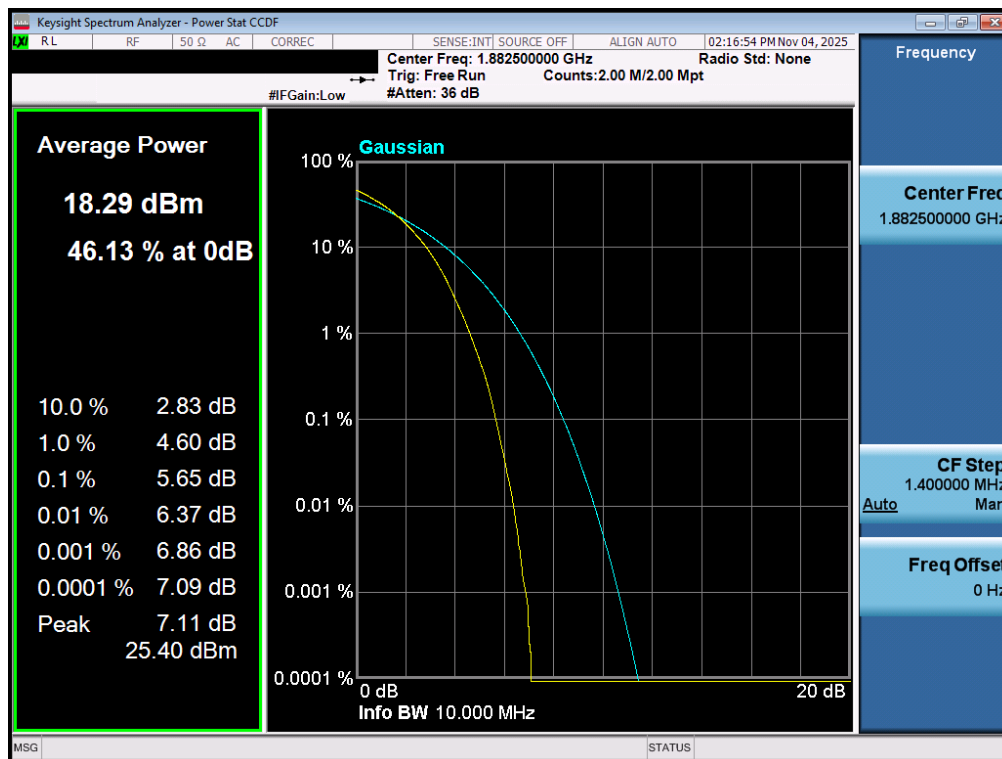


Plot 7-126. PAR Plot (LTE Band 25/2 - 15MHz 256-QAM - Full RB - Ant1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-06-R1.A3L	Test Dates: 11/3/2025 - 12/05/2025	EUT Type: Portable Handset	Page 99 of 159

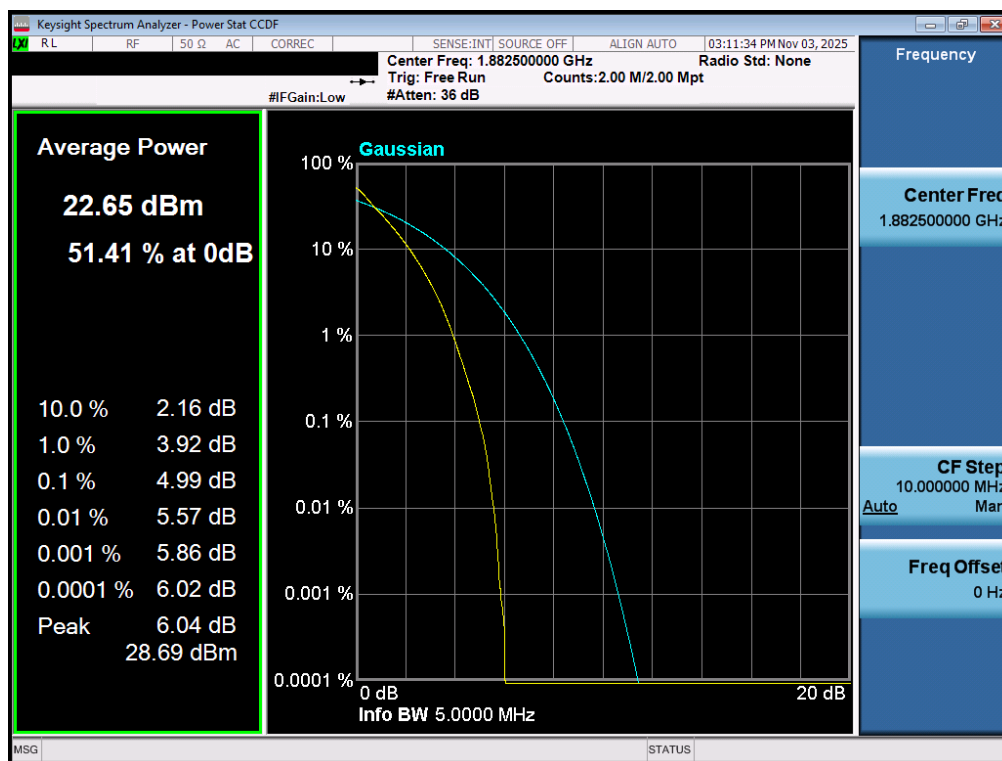


Plot 7-127. PAR Plot (LTE Band 25/2 - 10MHz QPSK - Full RB - Ant1)

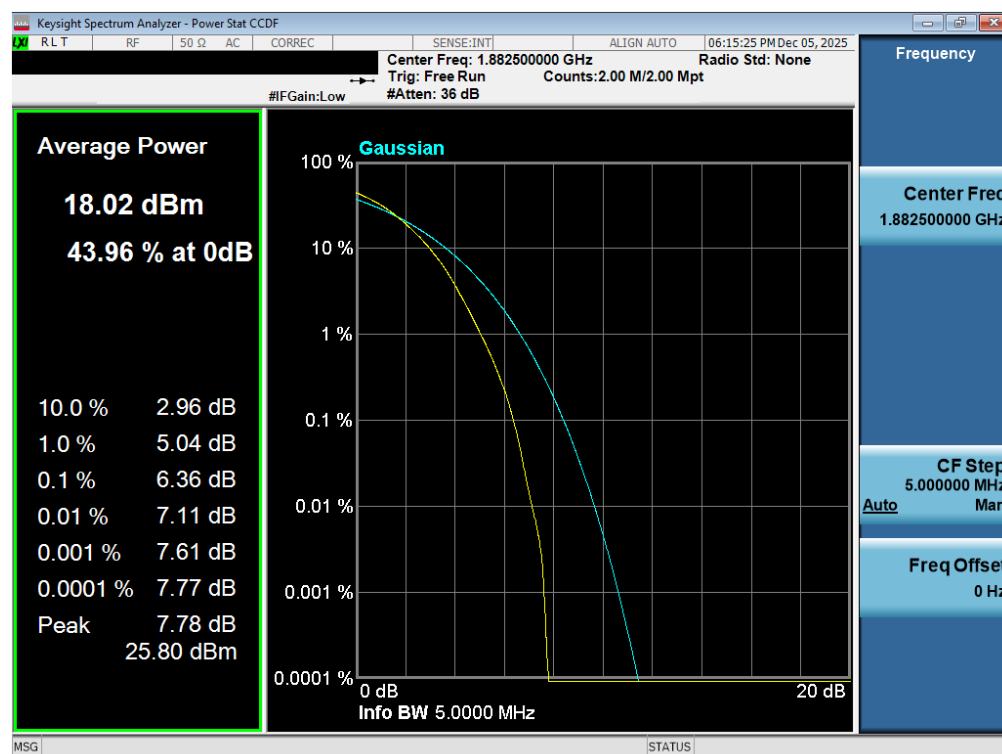


Plot 7-128. PAR Plot (LTE Band 25/2 - 10MHz 256-QAM - Full RB - Ant1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-06-R1.A3L	Test Dates: 11/3/2025 - 12/05/2025	EUT Type: Portable Handset	Page 100 of 159

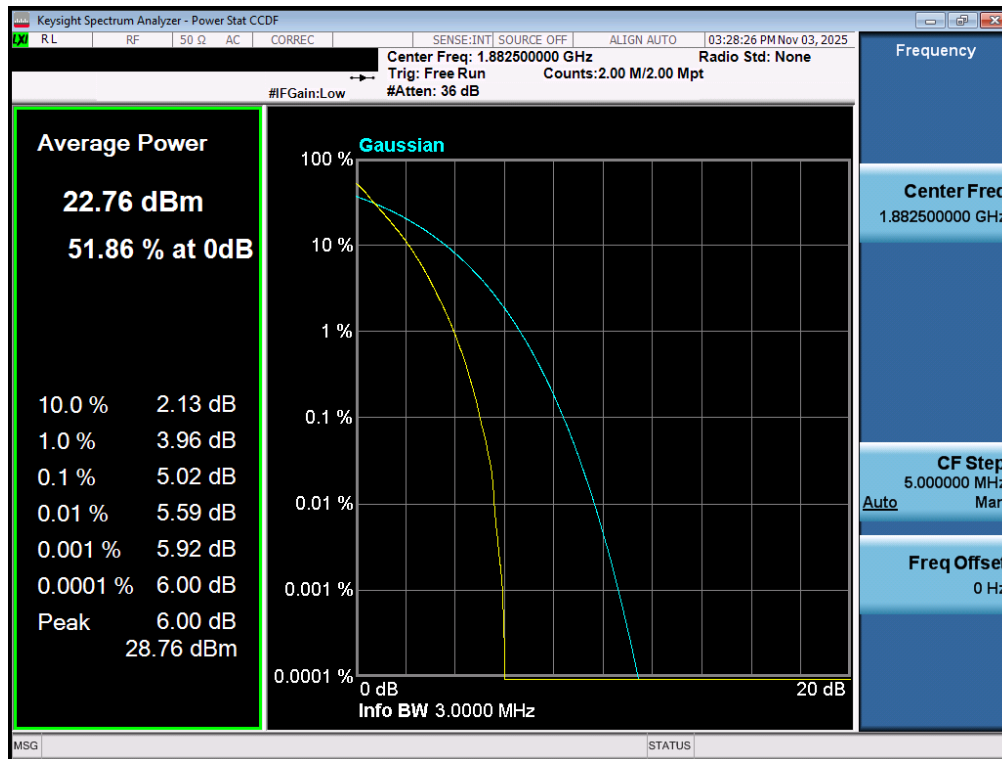


Plot 7-129. PAR Plot (LTE Band 25/2 - 5MHz QPSK - Full RB - Ant1)

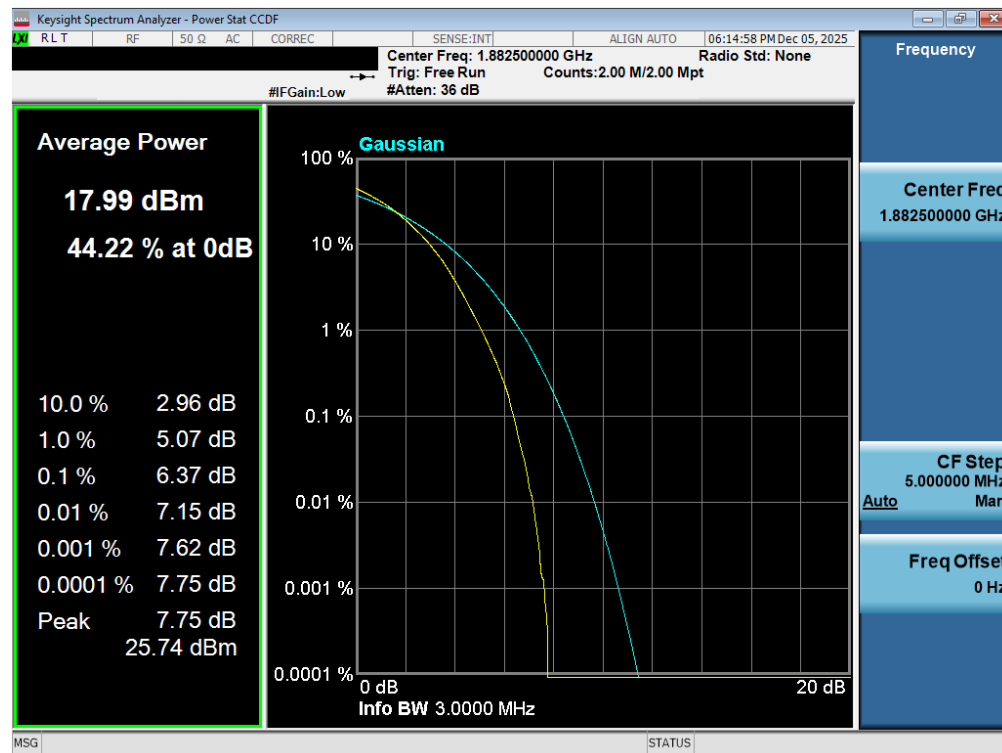


Plot 7-130. PAR Plot (LTE Band 25/2 - 5MHz 256-QAM - Full RB - Ant1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-06-R1.A3L	Test Dates: 11/3/2025 - 12/05/2025	EUT Type: Portable Handset	Page 101 of 159

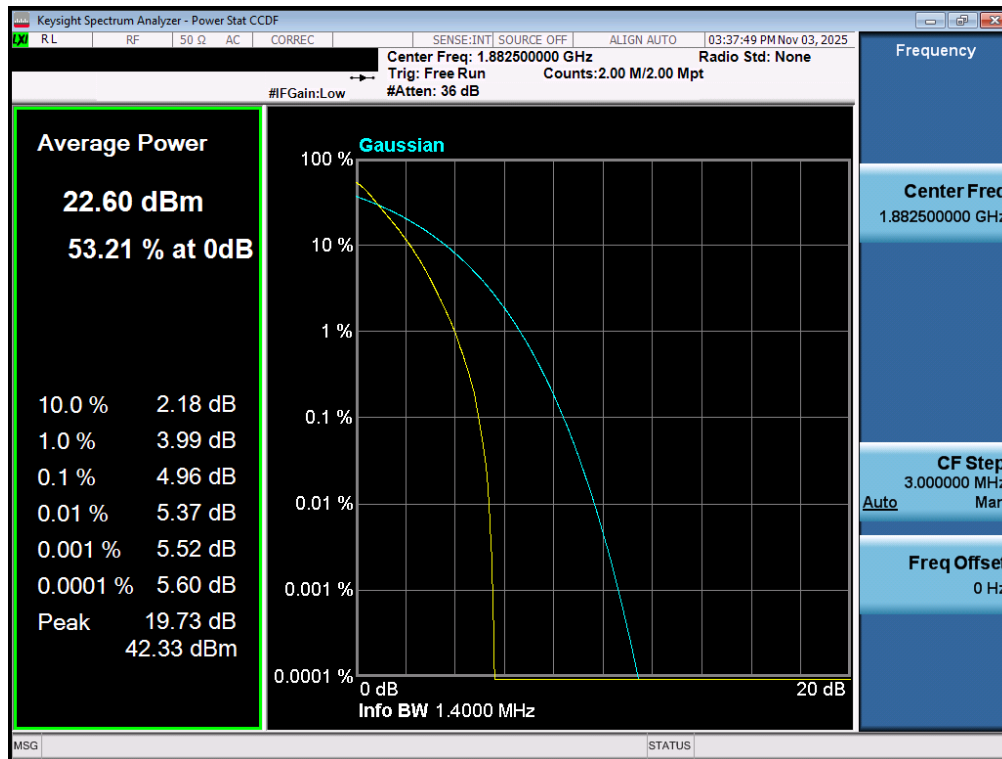


Plot 7-131. PAR Plot (LTE Band 25/2 - 3MHz QPSK - Full RB - Ant1)

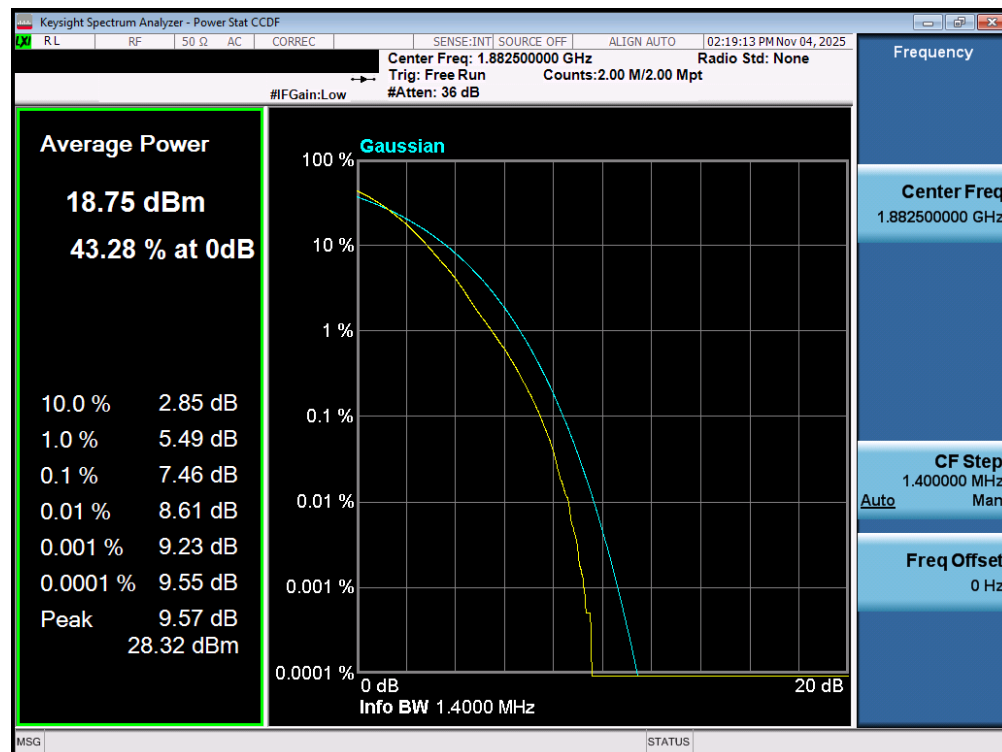


Plot 7-132. PAR Plot (LTE Band 25/2 - 3MHz 256-QAM - Full RB - Ant1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-06-R1.A3L	Test Dates: 11/3/2025 - 12/05/2025	EUT Type: Portable Handset	Page 102 of 159



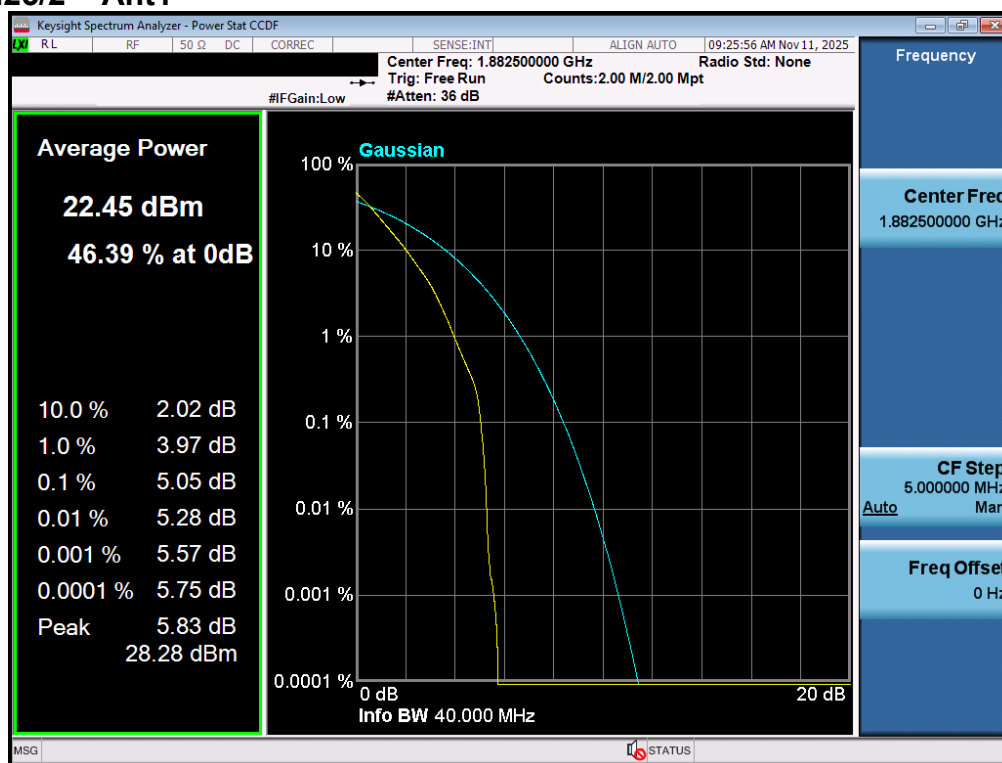
Plot 7-133. PAR Plot (LTE Band 25/2 - 1.4MHz QPSK - Full RB - Ant1)



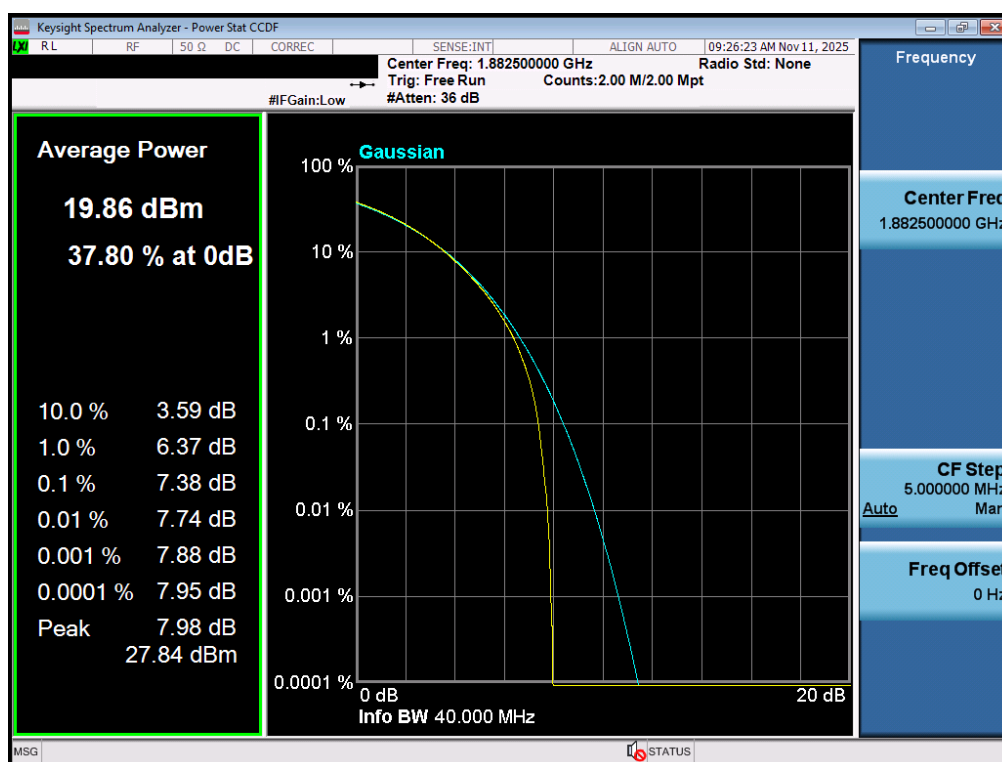
Plot 7-134. PAR Plot (LTE Band 25/2 - 1.4MHz 256-QAM - Full RB - Ant1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-06-R1.A3L	Test Dates: 11/3/2025 - 12/05/2025	EUT Type: Portable Handset	Page 103 of 159

NR Band n25/2 – Ant1

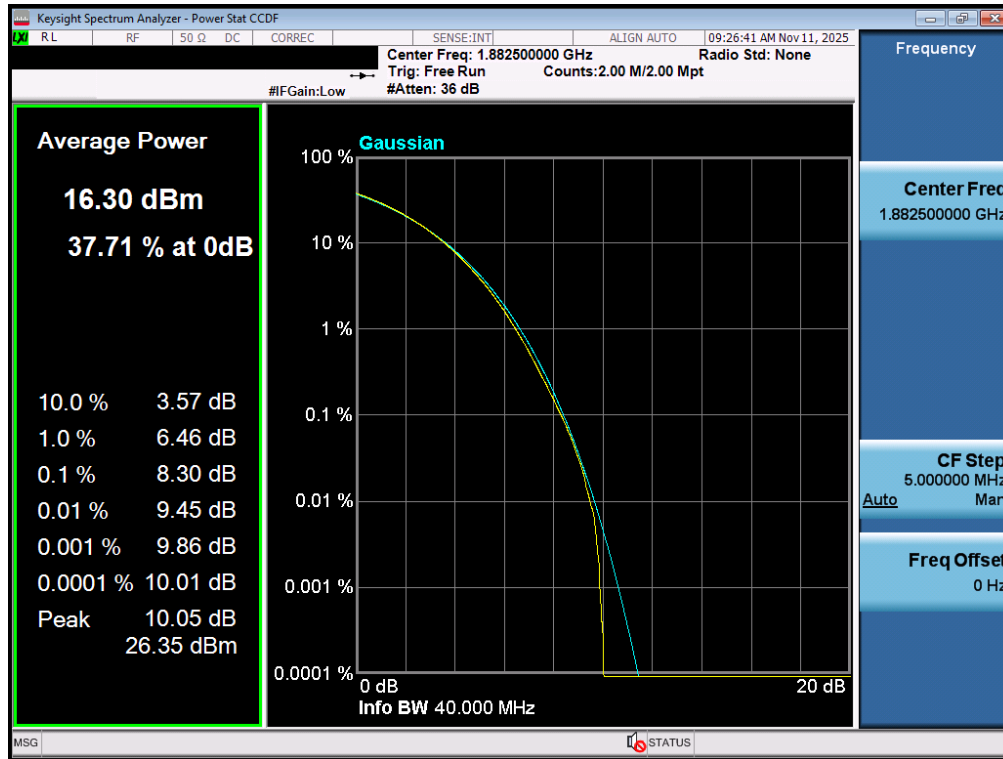


Plot 7-135. PAR Plot (NR Band n25/2 - 40.0MHz DFT-s-OFDM BPSK - Full RB - ANT1)

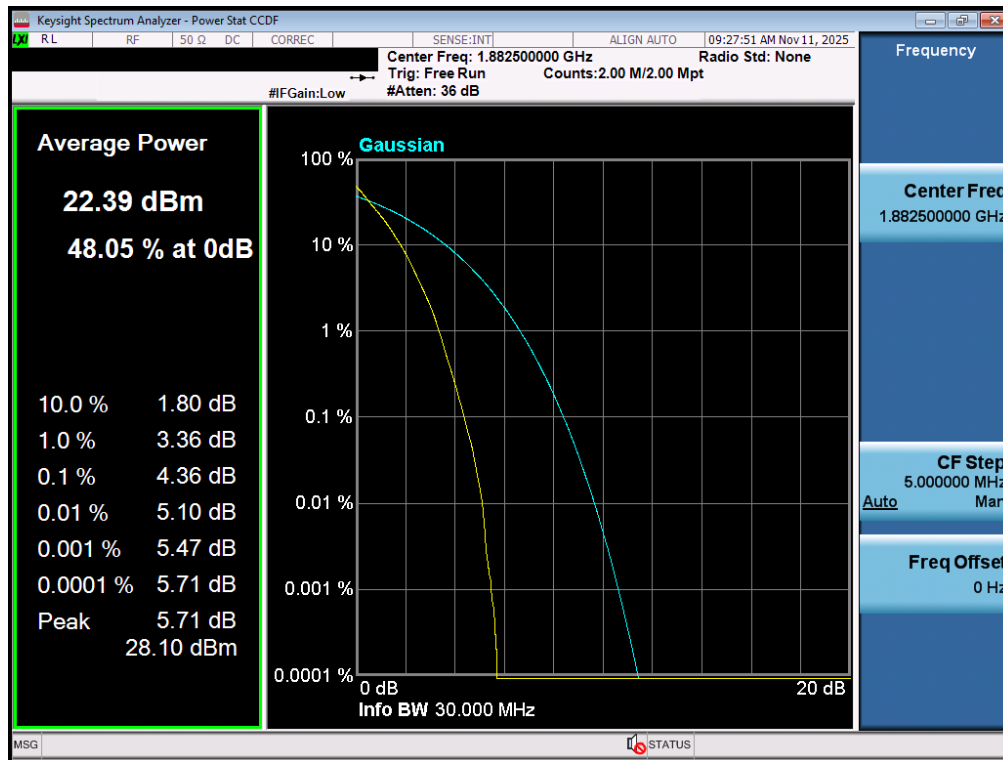


Plot 7-136. PAR Plot (NR Band n25/2 - 40.0MHz CP-OFDM QPSK - Full RB - ANT1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-06-R1.A3L	Test Dates: 11/3/2025 - 12/05/2025	EUT Type: Portable Handset	Page 104 of 159

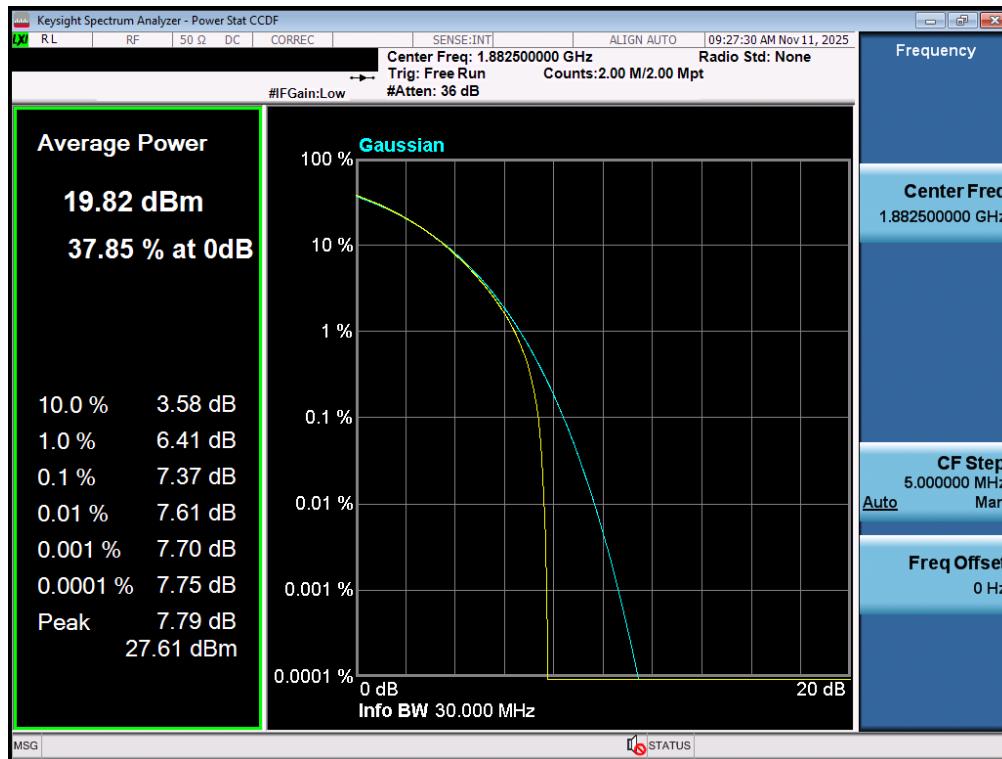


Plot 7-137. PAR Plot (NR Band n25/2 - 40.0MHz CP-OFDM 256-QAM - Full RB - ANT1)

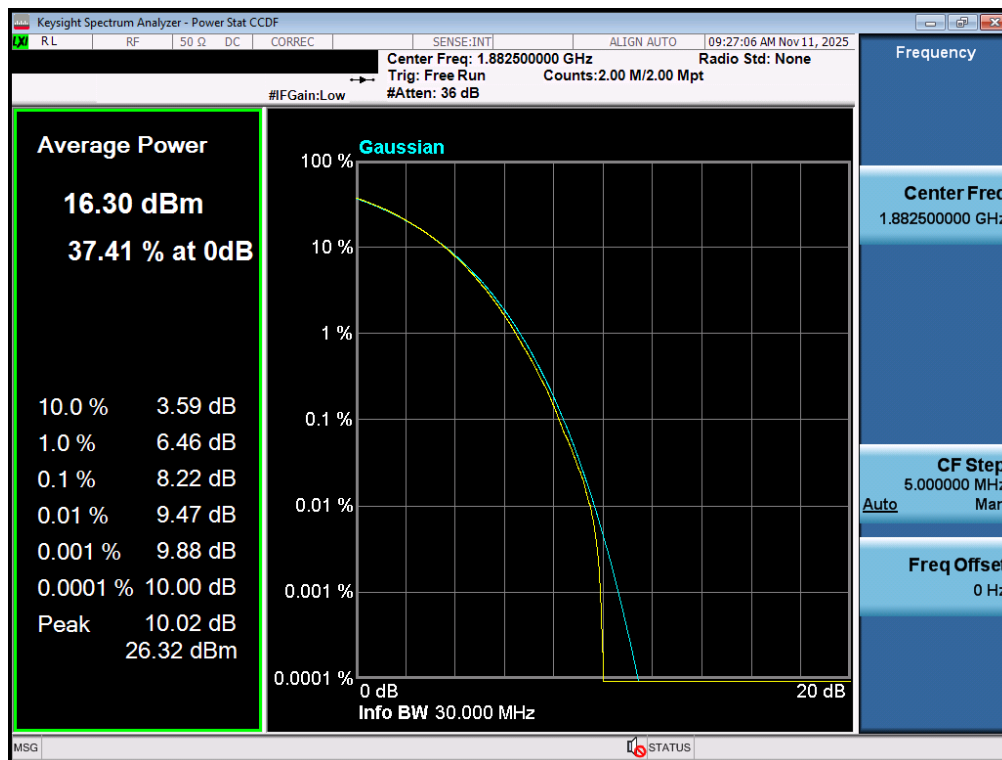


Plot 7-138. PAR Plot (NR Band n25/2 - 30.0MHz DFT-s-OFDM BPSK - Full RB - ANT1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-06-R1.A3L	Test Dates: 11/3/2025 - 12/05/2025	EUT Type: Portable Handset	Page 105 of 159

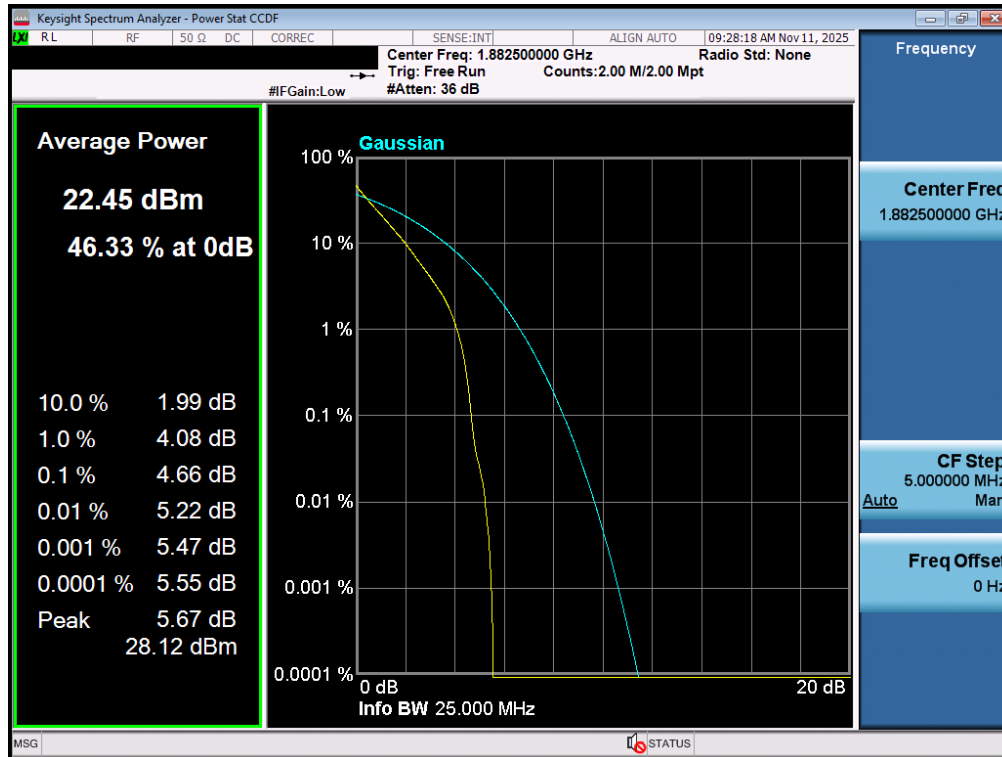


Plot 7-139. PAR Plot (NR Band n25/2 - 30.0MHz CP-OFDM QPSK - Full RB - ANT1)

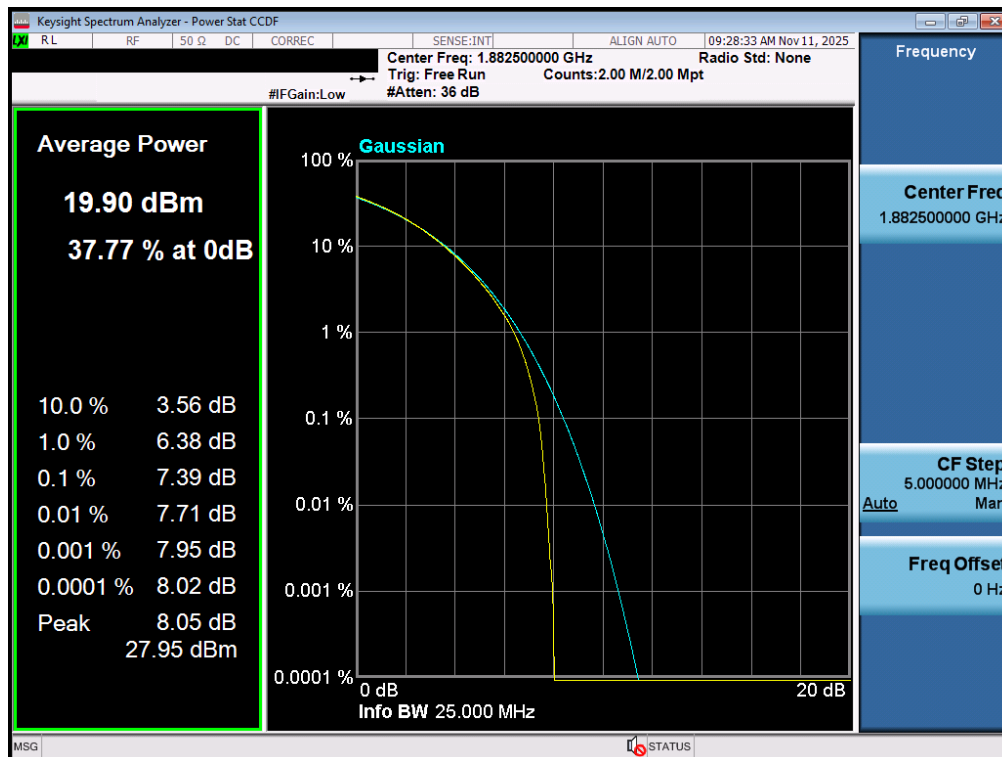


Plot 7-140. PAR Plot (NR Band n25/2 - 30.0MHz CP-OFDM 256-QAM - Full RB - ANT1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-06-R1.A3L	Test Dates: 11/3/2025 - 12/05/2025	EUT Type: Portable Handset	Page 106 of 159

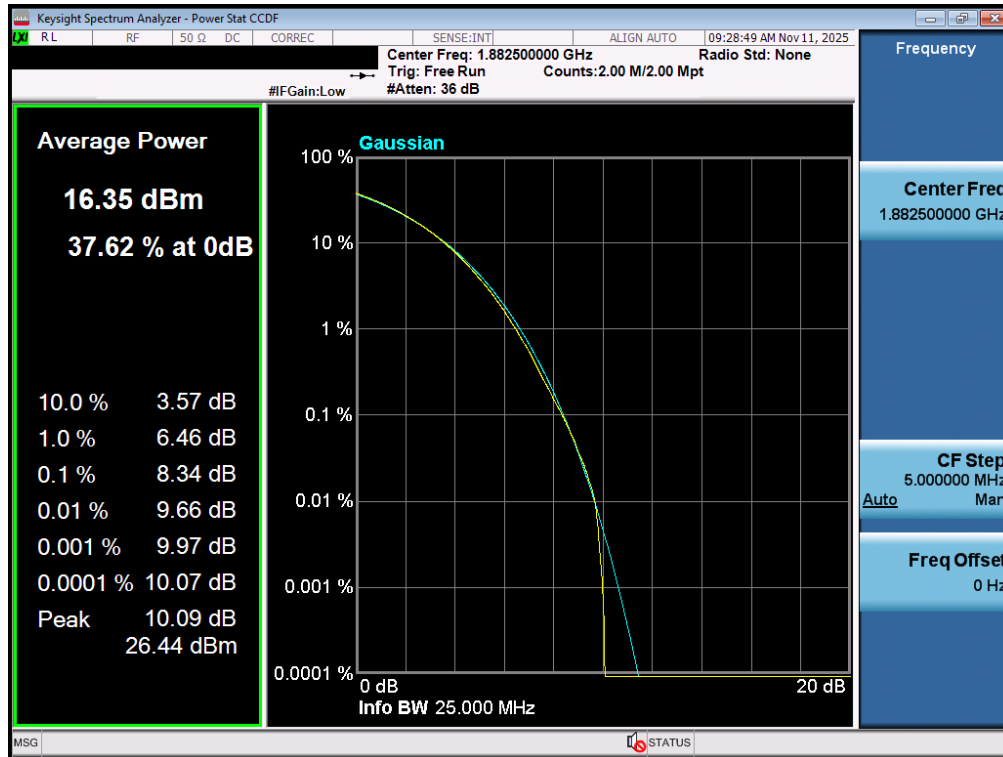


Plot 7-141. PAR Plot (NR Band n25/2 - 25.0MHz DFT-s-OFDM BPSK - Full RB - ANT1)

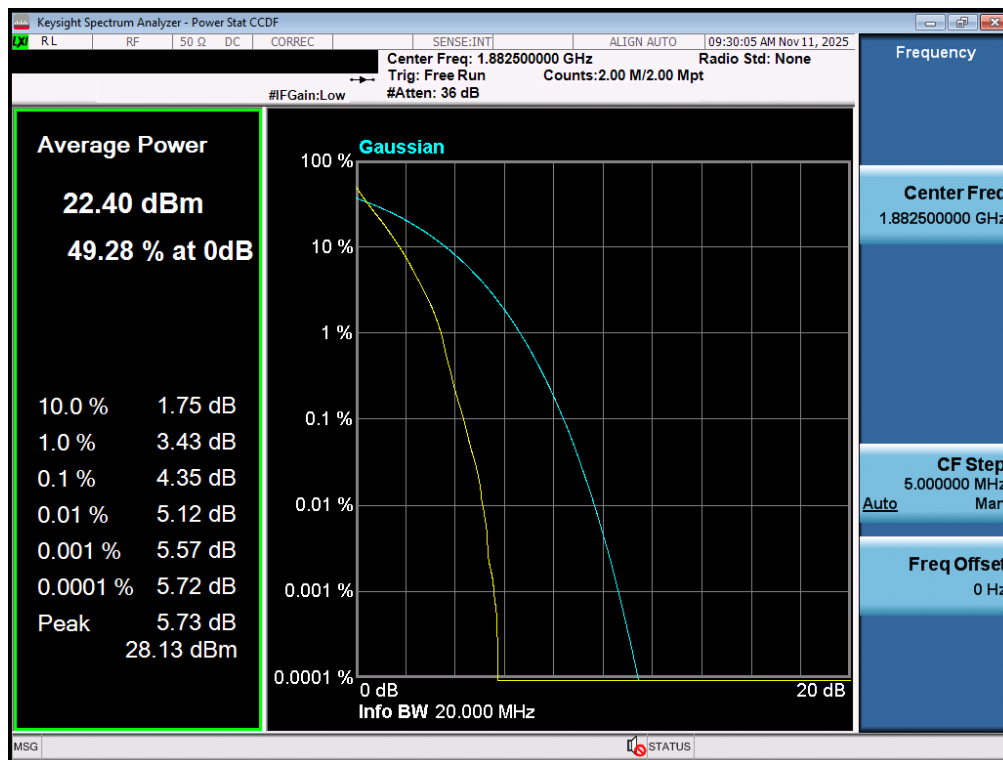


Plot 7-142. PAR Plot (NR Band n25/2 - 25.0MHz CP-OFDM QPSK - Full RB - ANT1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-06-R1.A3L	Test Dates: 11/3/2025 - 12/05/2025	EUT Type: Portable Handset	Page 107 of 159

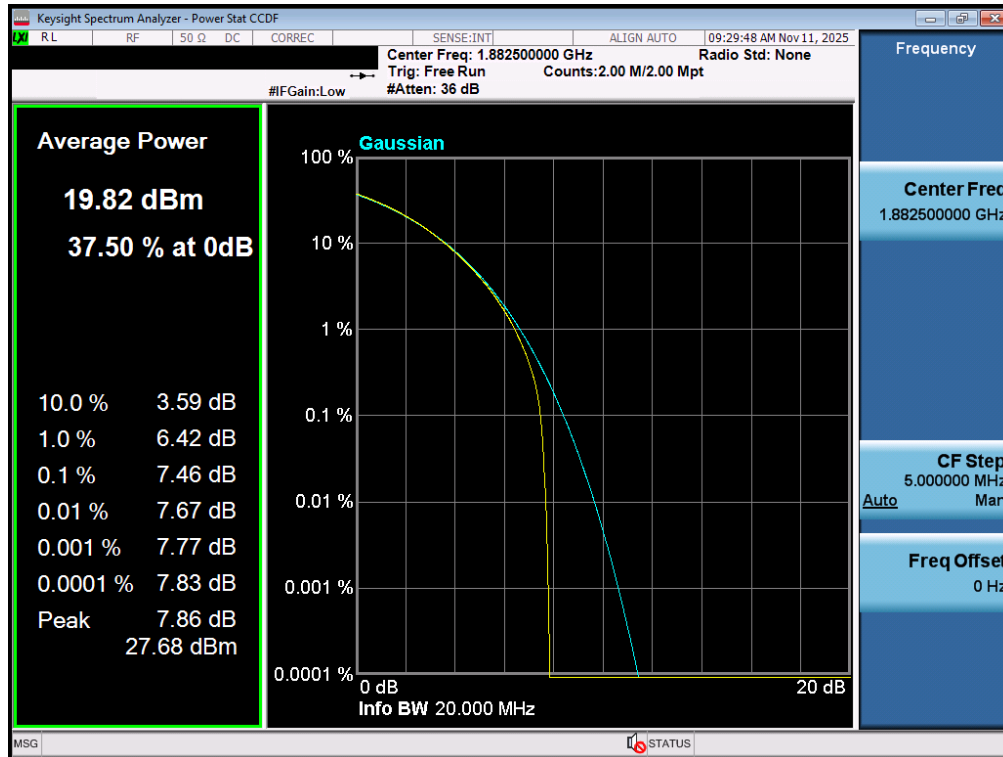


Plot 7-143. PAR Plot (NR Band n25/2 - 25.0MHz CP-OFDM 256-QAM - Full RB - ANT1)

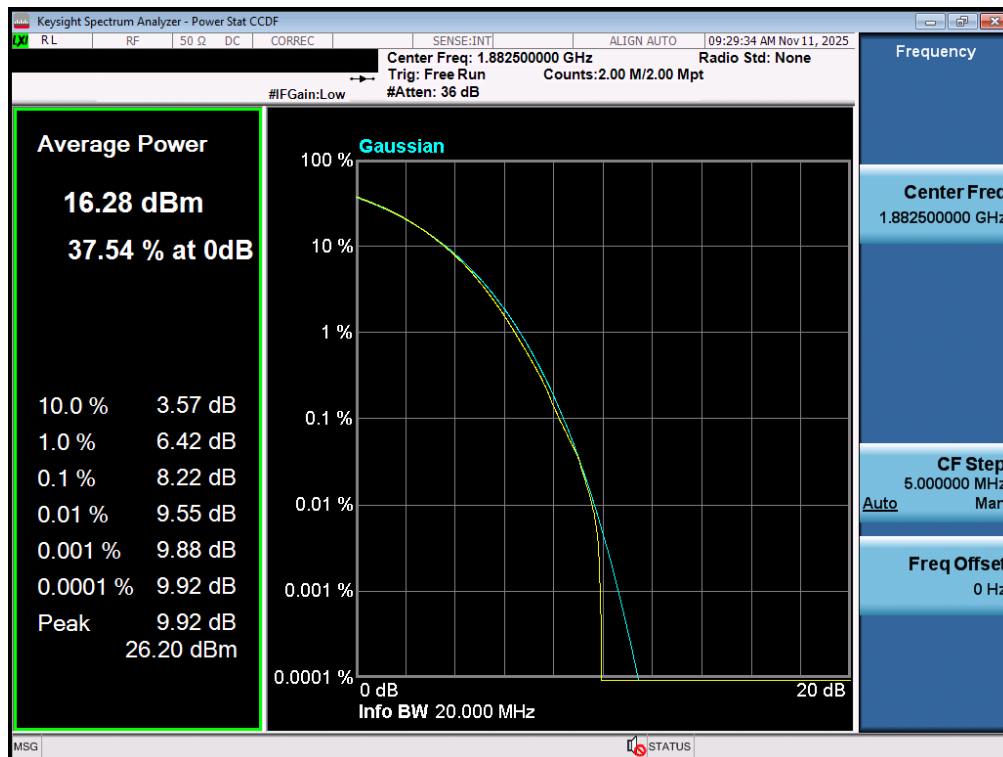


Plot 7-144. PAR Plot (NR Band n25/2 - 20.0MHz DFT-s-OFDM BPSK - Full RB - ANT1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-06-R1.A3L	Test Dates: 11/3/2025 - 12/05/2025	EUT Type: Portable Handset	Page 108 of 159

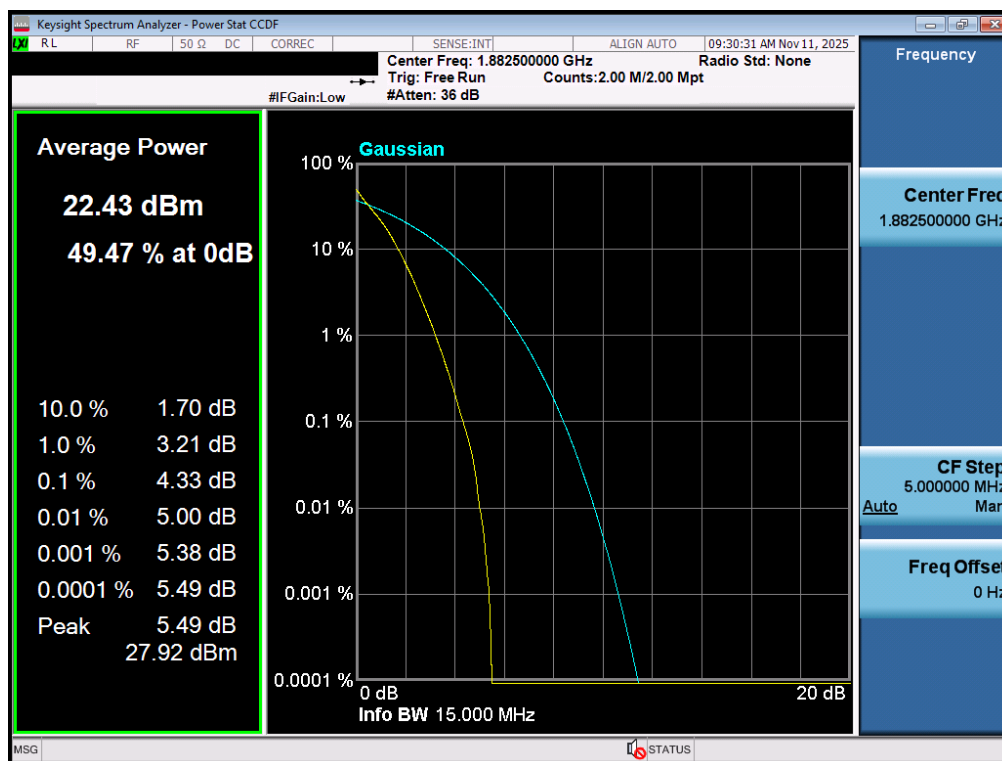


Plot 7-145. PAR Plot (NR Band n25/2 - 20.0MHz CP-OFDM QPSK - Full RB - ANT1)

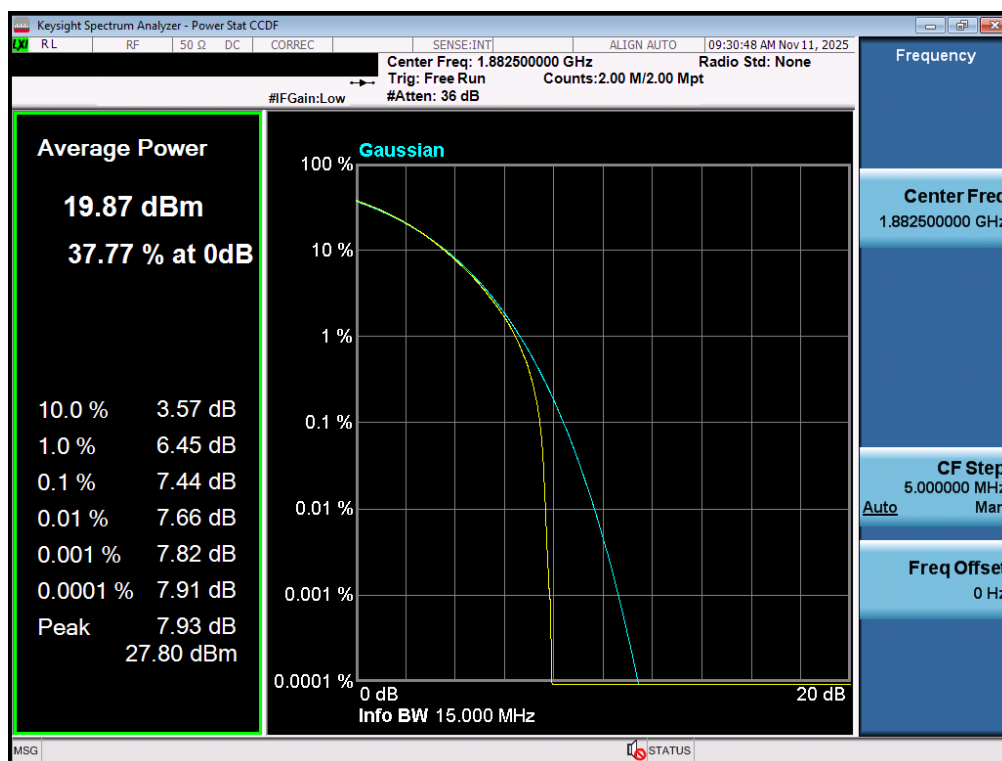


Plot 7-146. PAR Plot (NR Band n25/2 - 20.0MHz CP-OFDM 256-QAM - Full RB - ANT1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-06-R1.A3L	Test Dates: 11/3/2025 - 12/05/2025	EUT Type: Portable Handset	Page 109 of 159

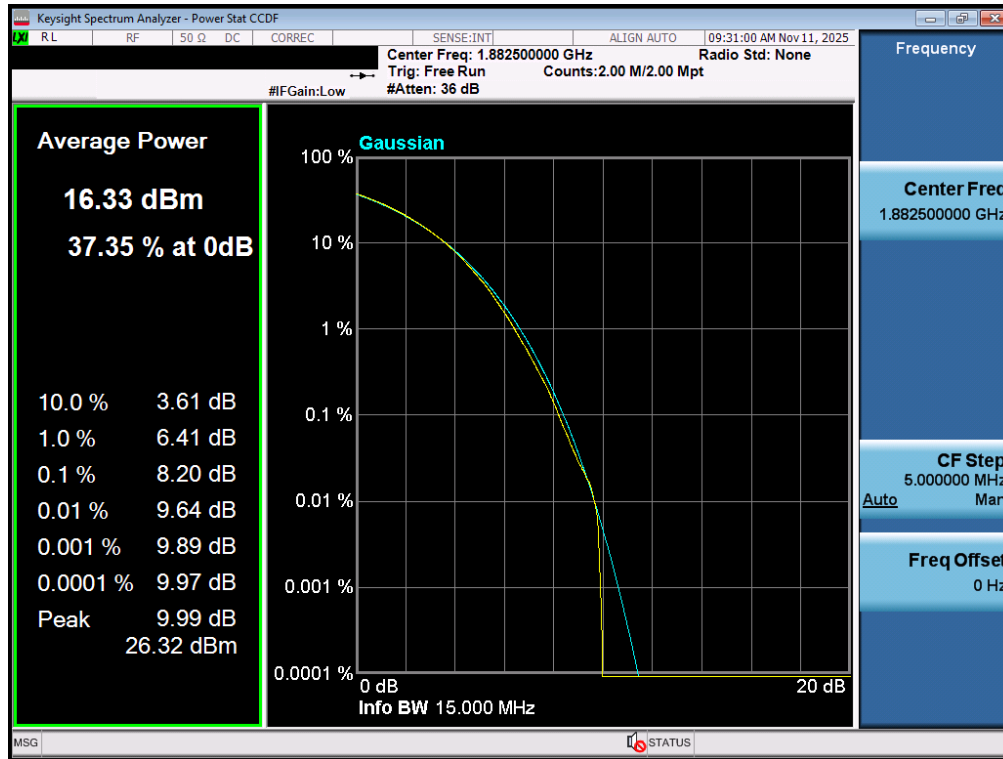


Plot 7-147. PAR Plot (NR Band n25/2 - 15.0MHz DFT-s-OFDM BPSK - Full RB - ANT1)

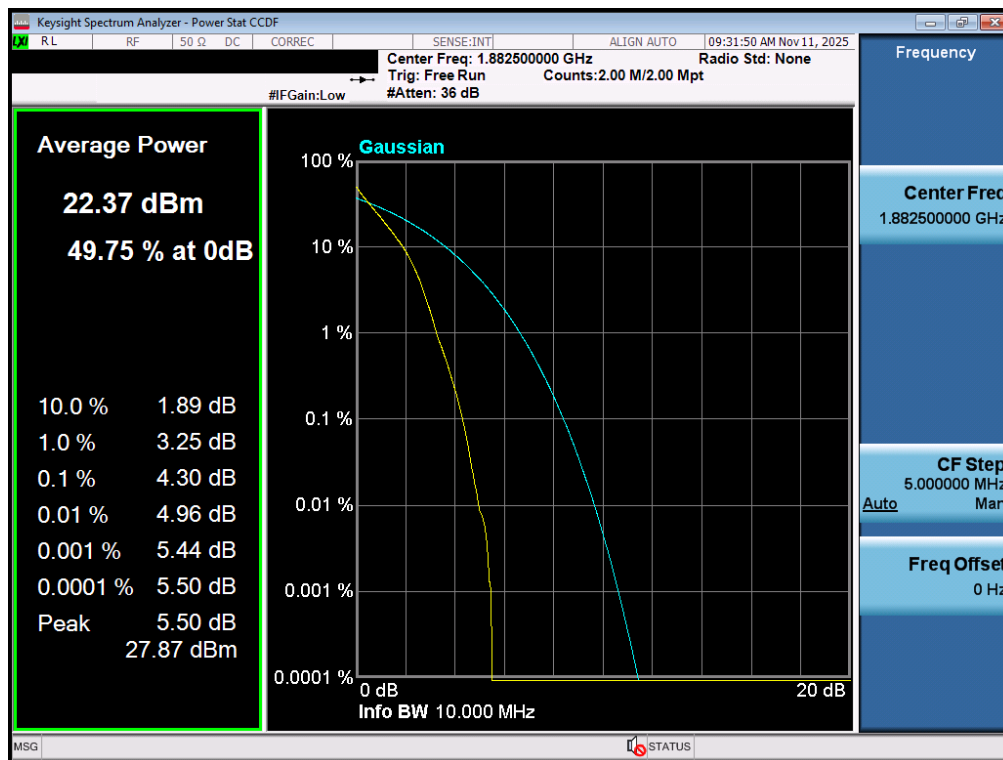


Plot 7-148. PAR Plot (NR Band n25/2 - 15.0MHz CP-OFDM QPSK - Full RB - ANT1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-06-R1.A3L	Test Dates: 11/3/2025 - 12/05/2025	EUT Type: Portable Handset	Page 110 of 159

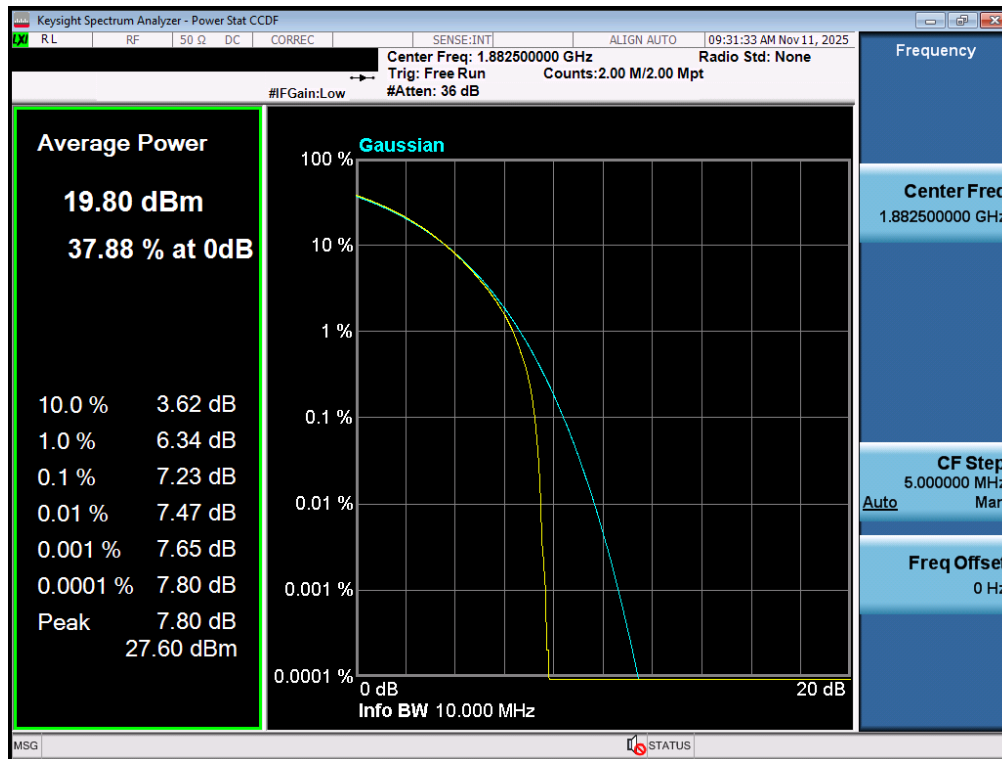


Plot 7-149. PAR Plot (NR Band n25/2 - 15.0MHz CP-OFDM 256-QAM - Full RB - ANT1)

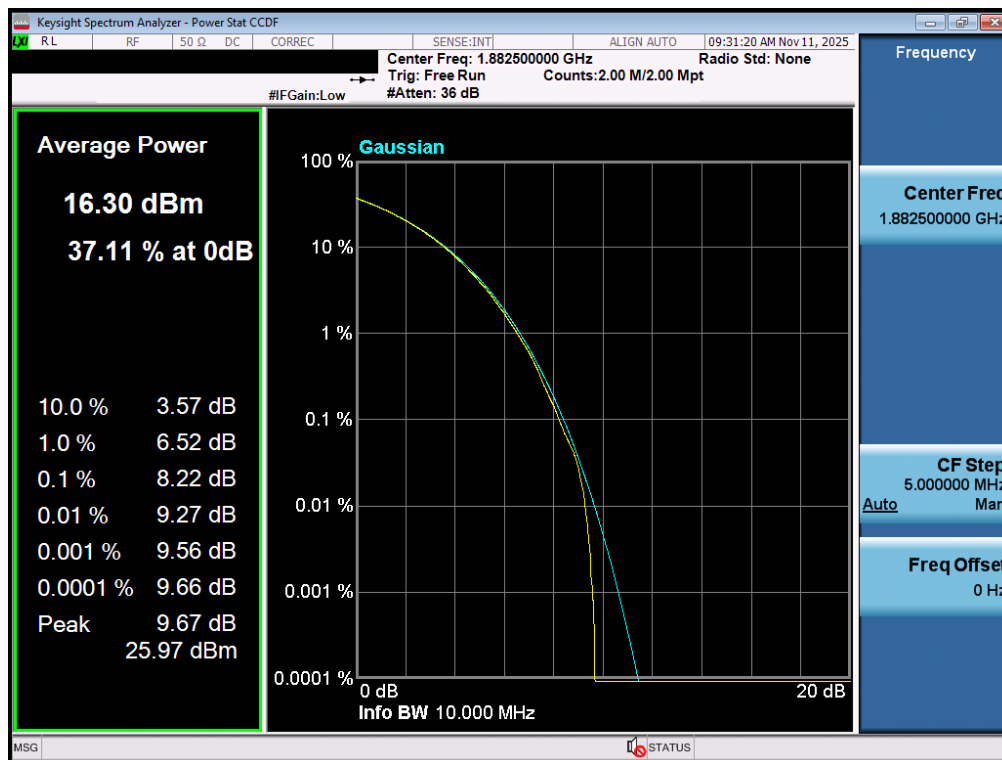


Plot 7-150. PAR Plot (NR Band n25/2 - 10.0MHz DFT-s-OFDM BPSK - Full RB - ANT1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-06-R1.A3L	Test Dates: 11/3/2025 - 12/05/2025	EUT Type: Portable Handset	Page 111 of 159

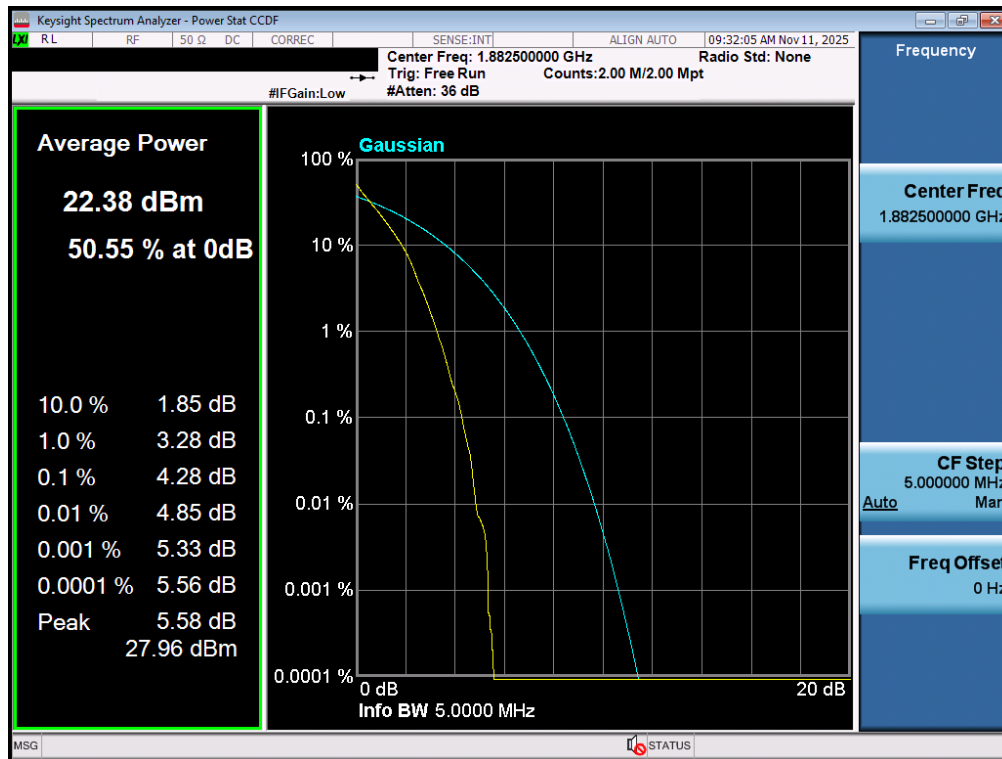


Plot 7-151. PAR Plot (NR Band n25/2 - 10.0MHz CP-OFDM QPSK - Full RB - ANT1)

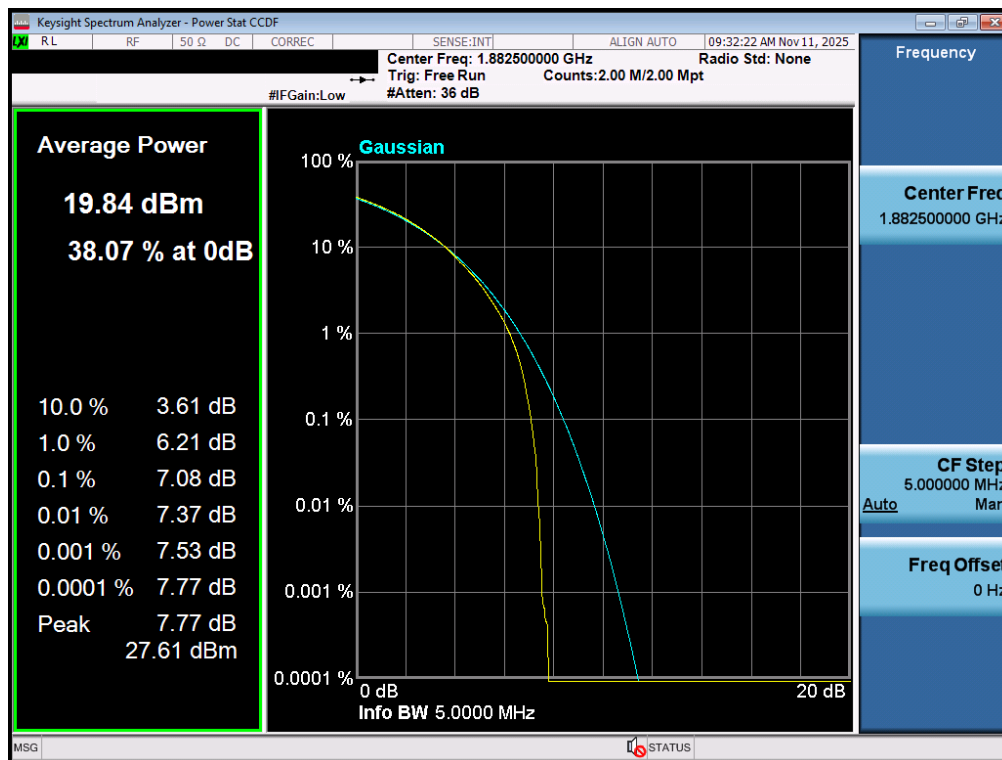


Plot 7-152. PAR Plot (NR Band n25/2 - 10.0MHz CP-OFDM 256-QAM - Full RB - ANT1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-06-R1.A3L	Test Dates: 11/3/2025 - 12/05/2025	EUT Type: Portable Handset	Page 112 of 159

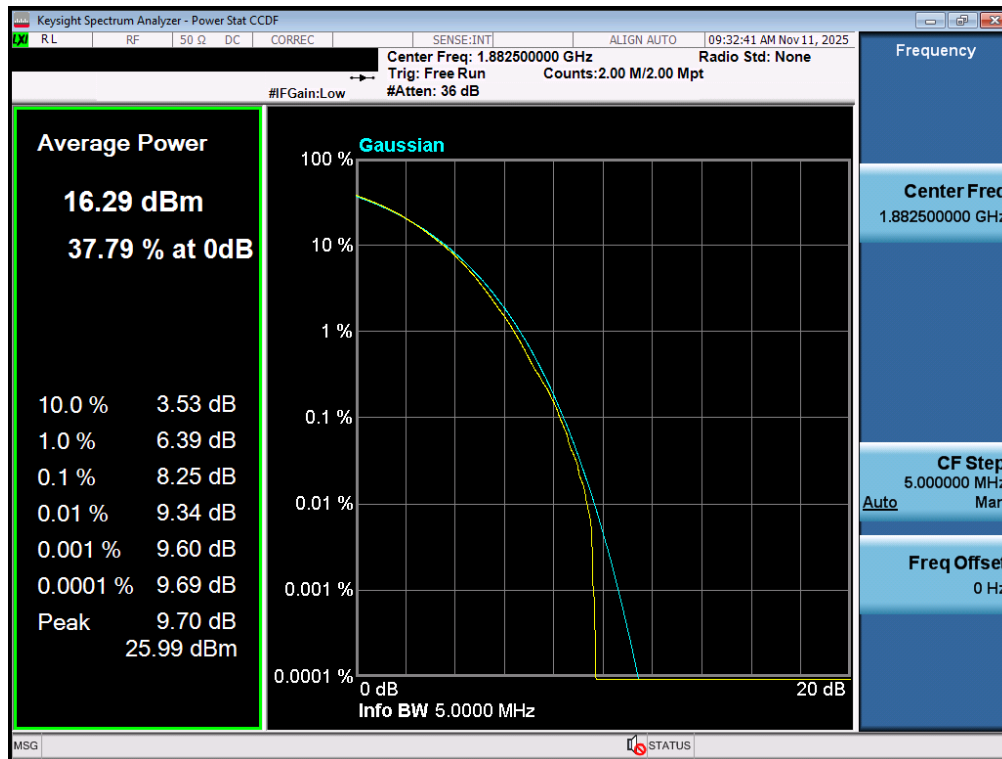


Plot 7-153. PAR Plot (NR Band n25/2 - 5.0MHz DFT-s-OFDM BPSK - Full RB - ANT1)



Plot 7-154. PAR Plot (NR Band n25/2 - 5.0MHz CP-OFDM QPSK - Full RB - ANT1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-06-R1.A3L	Test Dates: 11/3/2025 - 12/05/2025	EUT Type: Portable Handset	Page 113 of 159



Plot 7-155. PAR Plot (NR Band n25/2 - 5.0MHz CP-OFDM 256-QAM - Full RB - ANT1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-06-R1.A3L	Test Dates: 11/3/2025 - 12/05/2025	EUT Type: Portable Handset	Page 114 of 159

Mode	Bandwidth	Modulation	Average Power [dBm]	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
LTE-B25-2	20MHz	QPSK	22.38	5.36	13	-7.64
		256QAM	18.43	5.91	13	-7.09
	15MHz	QPSK	22.42	5.39	13	-7.61
		256QAM	18.24	5.87	13	-7.13
	10MHz	QPSK	22.42	5.42	13	-7.58
		256QAM	18.30	5.88	13	-7.13
	5MHz	QPSK	22.43	5.47	13	-7.53
		256QAM	18.37	5.82	13	-7.18
	3MHz	QPSK	22.48	5.44	13	-7.56
		256QAM	18.39	5.85	13	-7.15
	1.4MHz	QPSK	22.39	5.52	13	-7.48
		256QAM	18.50	5.72	13	-7.28

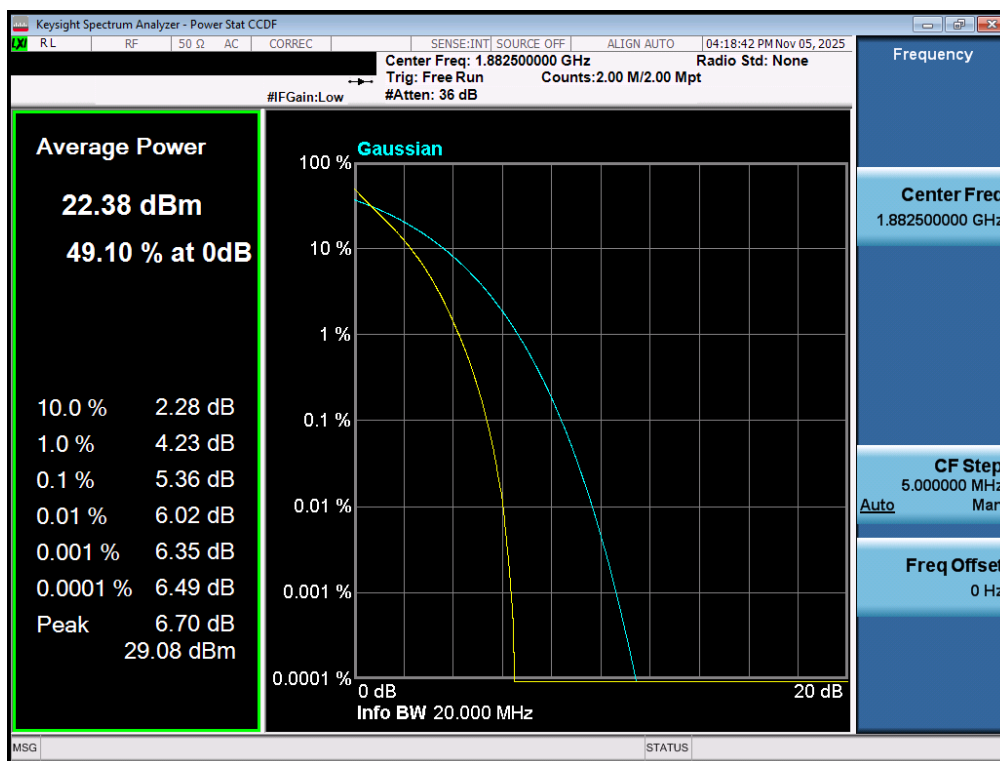
Table 7-18. Peak-Average Ratio Results – Ant2

Mode	Bandwidth	Modulation	Average Power [dBm]	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
NR-n25-2	40MHz	BPSK	22.95	3.51	13	-9.49
		QPSK	20.40	6.72	13	-6.28
		256QAM	16.67	7.22	13	-5.78
	30MHz	BPSK	22.94	4.11	13	-8.89
		QPSK	20.42	7.48	13	-5.52
		256QAM	16.82	7.85	13	-5.15
	25MHz	BPSK	22.98	4.41	13	-8.59
		QPSK	20.42	7.37	13	-5.63
		256QAM	16.80	7.86	13	-5.14
	20MHz	BPSK	22.99	4.08	13	-8.92
		QPSK	20.42	7.33	13	-5.67
		256QAM	16.87	7.64	13	-5.36
	15MHz	BPSK	22.99	4.11	13	-8.89
		QPSK	20.48	7.28	13	-5.72
		256QAM	16.93	7.63	13	-5.37
	10MHz	BPSK	23.00	4.04	13	-8.96
		QPSK	20.35	7.46	13	-5.54
		256QAM	16.90	7.68	13	-5.32
	5MHz	BPSK	22.98	4.02	13	-8.98
		QPSK	20.49	7.32	13	-5.68
		256QAM	16.87	7.79	13	-5.21

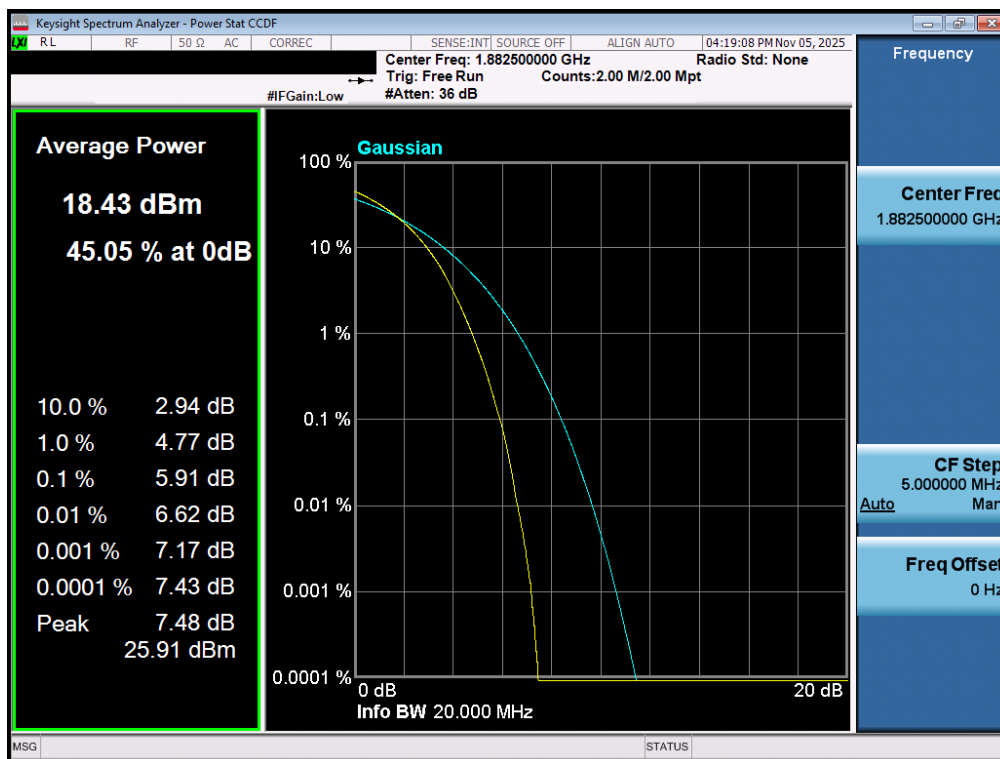
Table 7-19. Peak-Average Ratio Results – Ant2

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-06-R1.A3L	Test Dates: 11/3/2025 - 12/05/2025	EUT Type: Portable Handset	Page 115 of 159

LTE Band 25/2 – Ant2

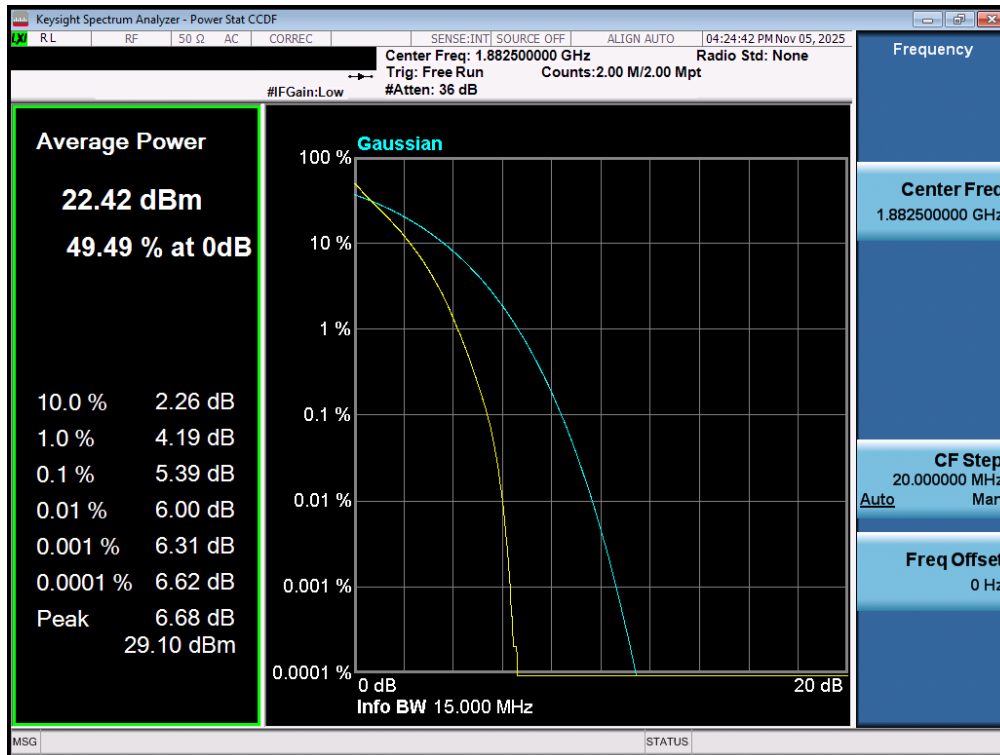


Plot 7-156. PAR Plot (LTE Band 25/2 - 20MHz QPSK - Full RB - Ant2)

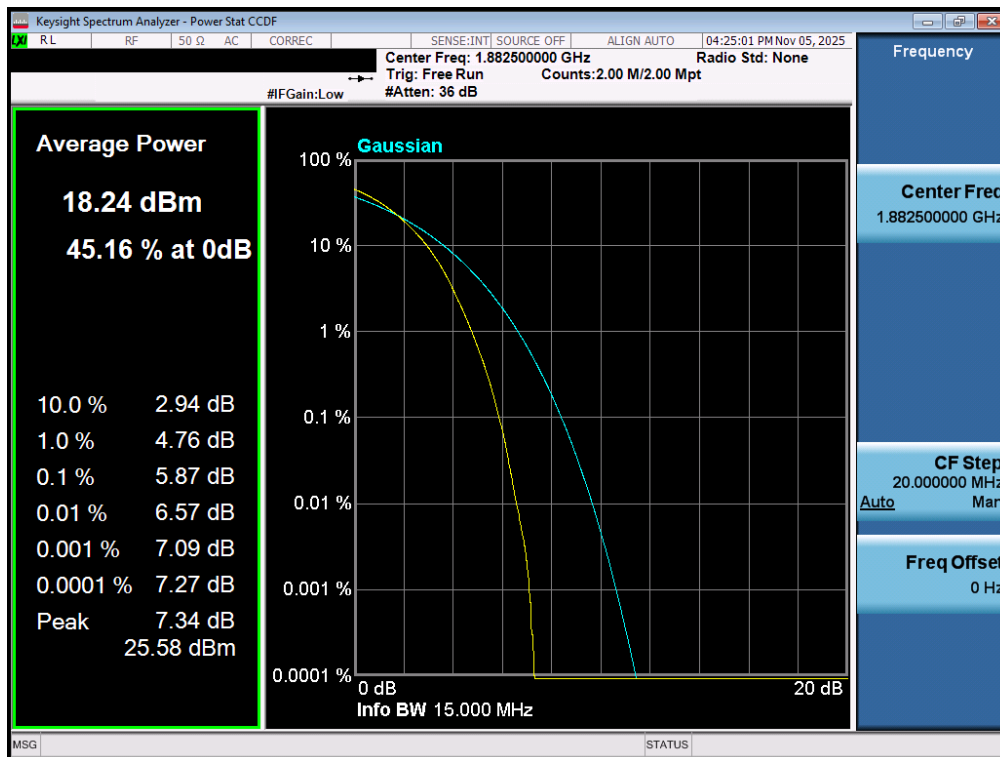


Plot 7-157. PAR Plot (LTE Band 25/2 - 20MHz 256-QAM - Full RB - Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-06-R1.A3L	Test Dates: 11/3/2025 - 12/05/2025	EUT Type: Portable Handset	Page 116 of 159

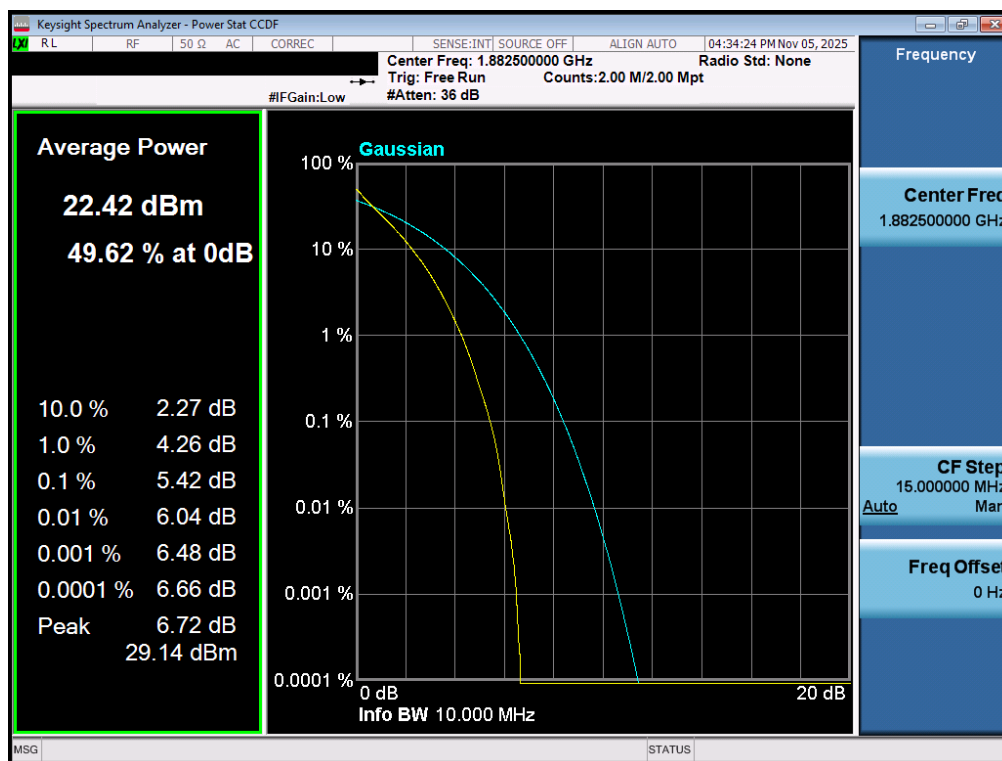


Plot 7-158. PAR Plot (LTE Band 25/2 - 15MHz QPSK - Full RB - Ant2)

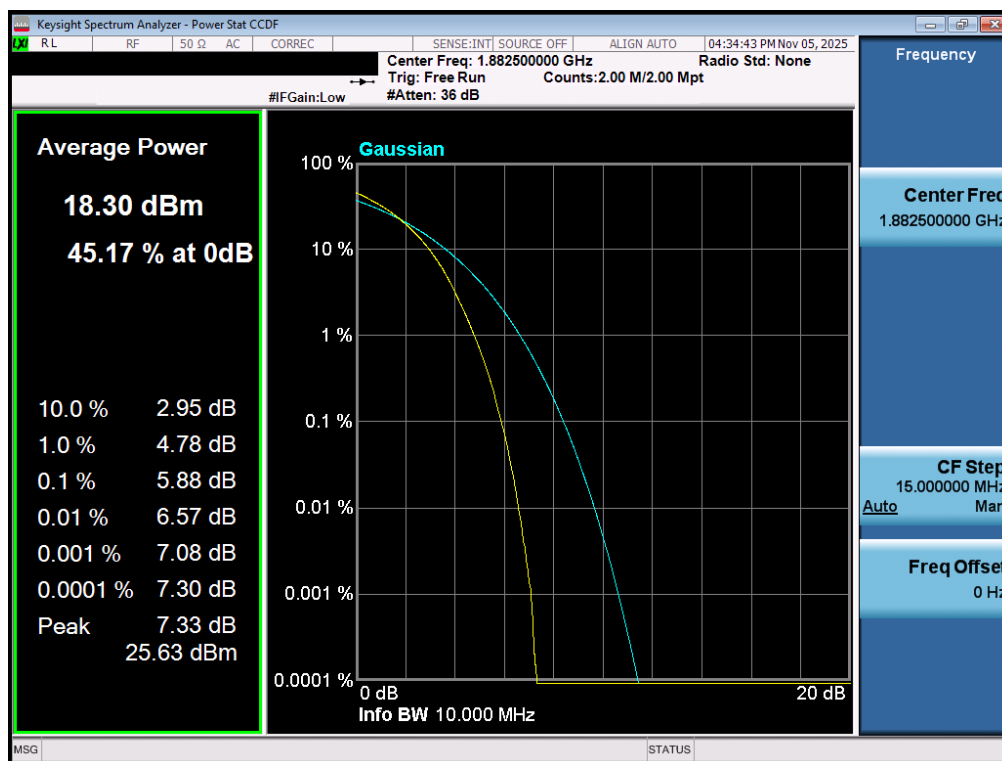


Plot 7-159. PAR Plot (LTE Band 25/2 - 15MHz 256-QAM - Full RB - Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-06-R1.A3L	Test Dates: 11/3/2025 - 12/05/2025	EUT Type: Portable Handset	Page 117 of 159

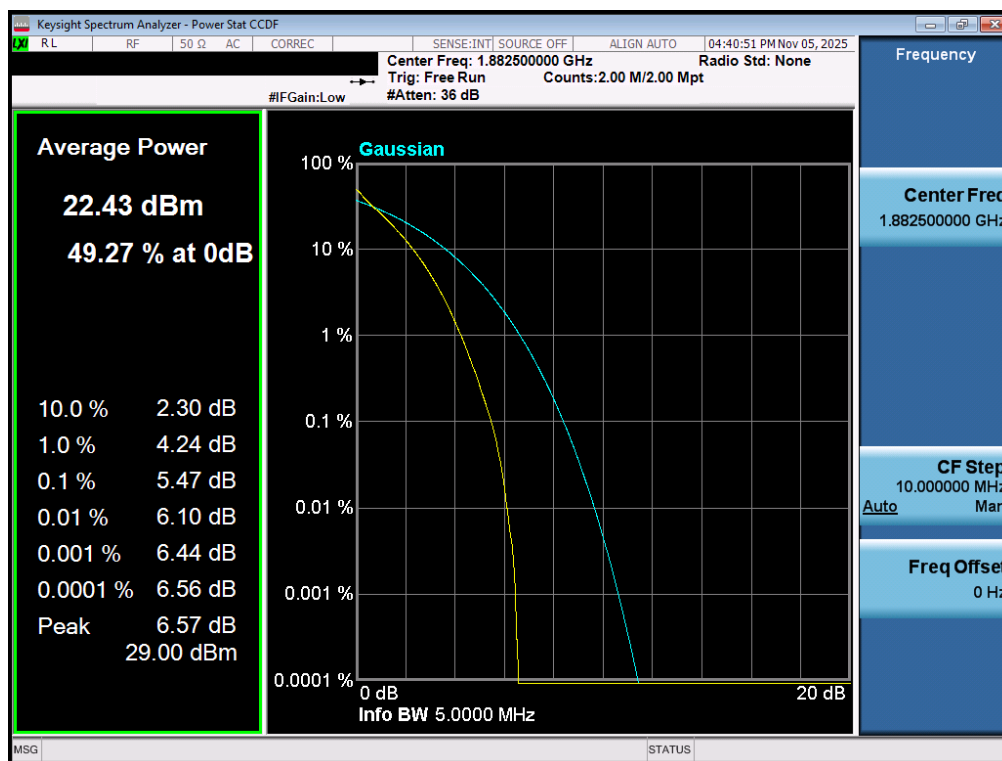


Plot 7-160. PAR Plot (LTE Band 25/2 - 10MHz QPSK - Full RB - Ant2)

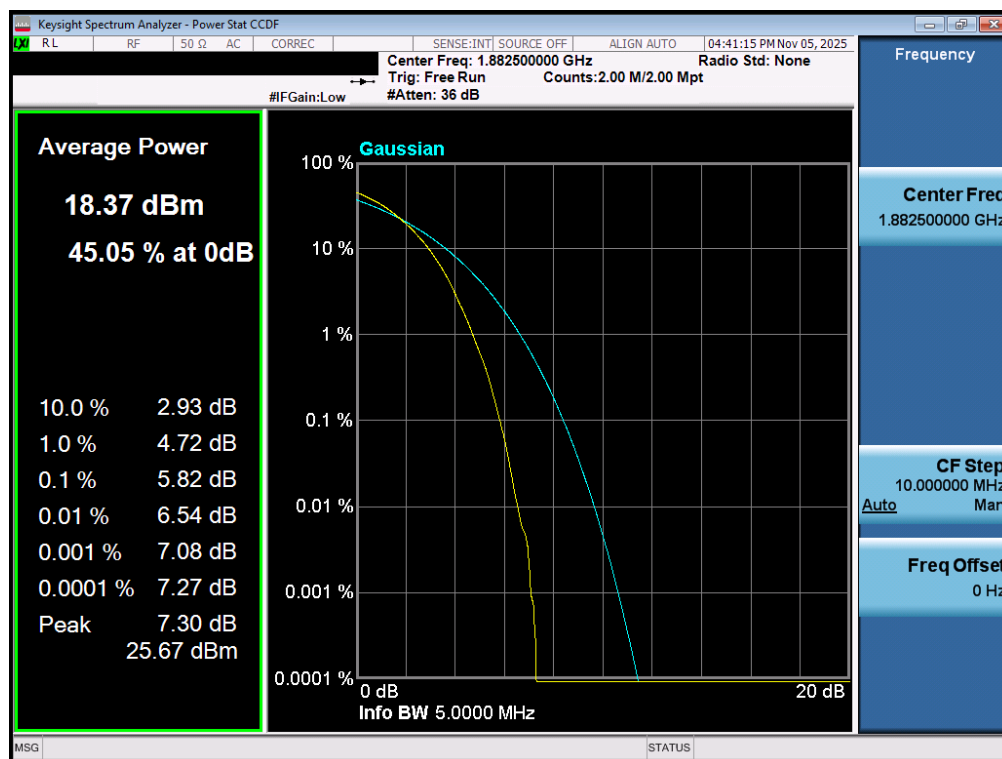


Plot 7-161. PAR Plot (LTE Band 25/2 - 10MHz 256-QAM - Full RB - Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-06-R1.A3L	Test Dates: 11/3/2025 - 12/05/2025	EUT Type: Portable Handset	Page 118 of 159

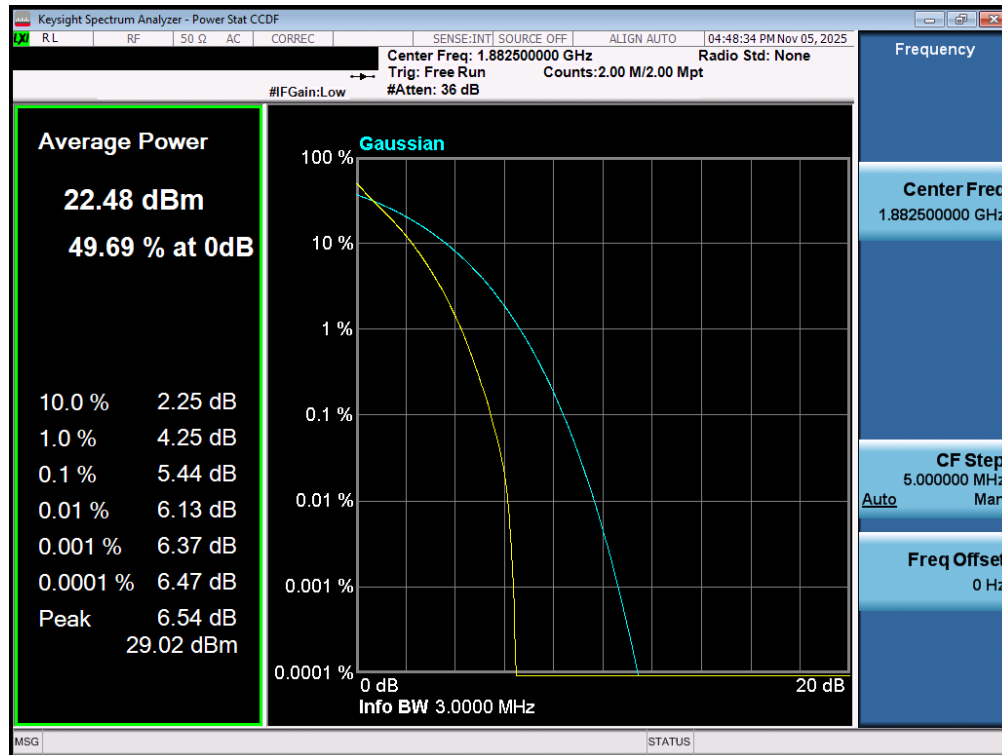


Plot 7-162. PAR Plot (LTE Band 25/2 - 5MHz QPSK - Full RB - Ant2)

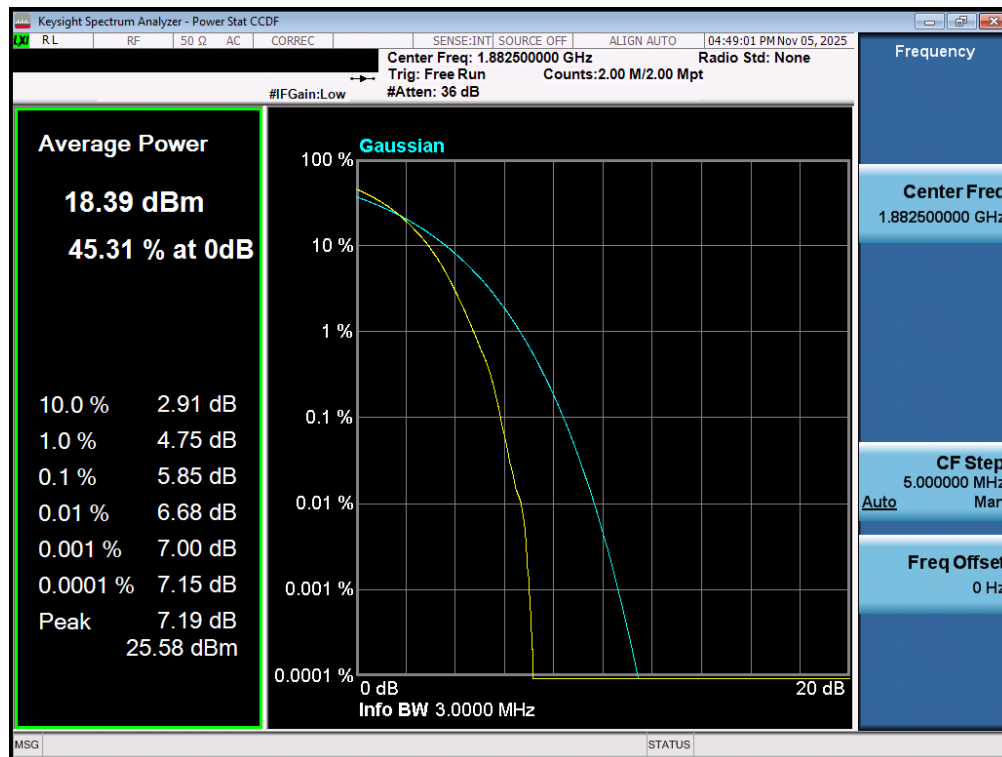


Plot 7-163. PAR Plot (LTE Band 25/2 - 5MHz 256-QAM - Full RB - Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-06-R1.A3L	Test Dates: 11/3/2025 - 12/05/2025	EUT Type: Portable Handset	Page 119 of 159

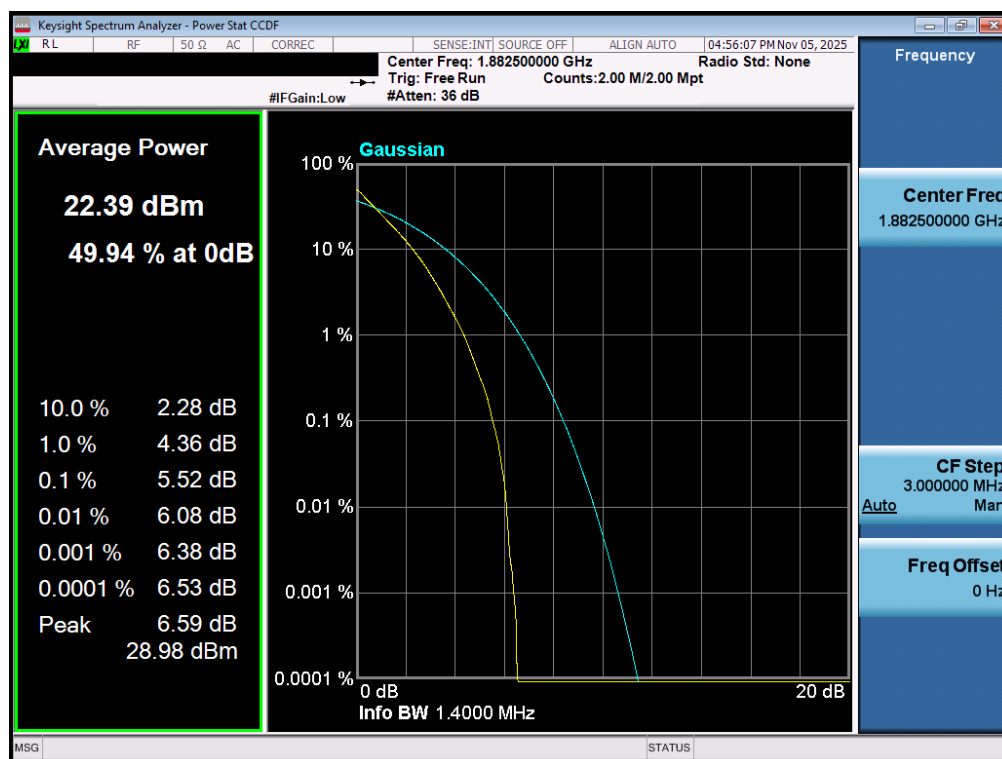


Plot 7-164. PAR Plot (LTE Band 25/2 - 3MHz QPSK - Full RB - Ant2)

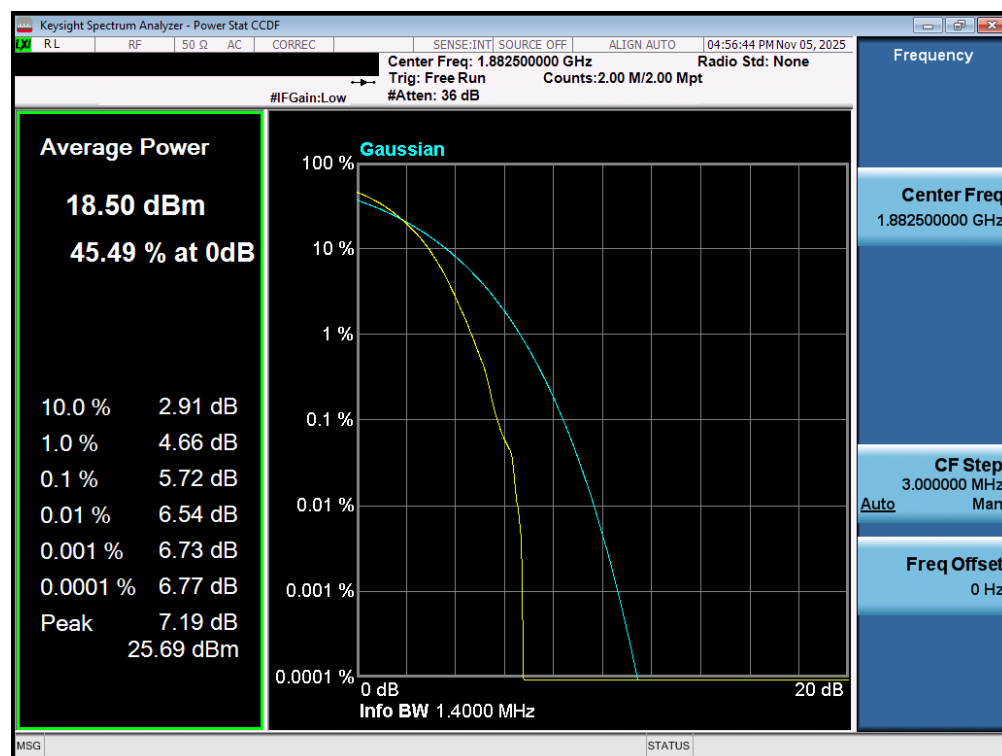


Plot 7-165. PAR Plot (LTE Band 25/2 - 3MHz 256-QAM - Full RB - Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-06-R1.A3L	Test Dates: 11/3/2025 - 12/05/2025	EUT Type: Portable Handset	Page 120 of 159



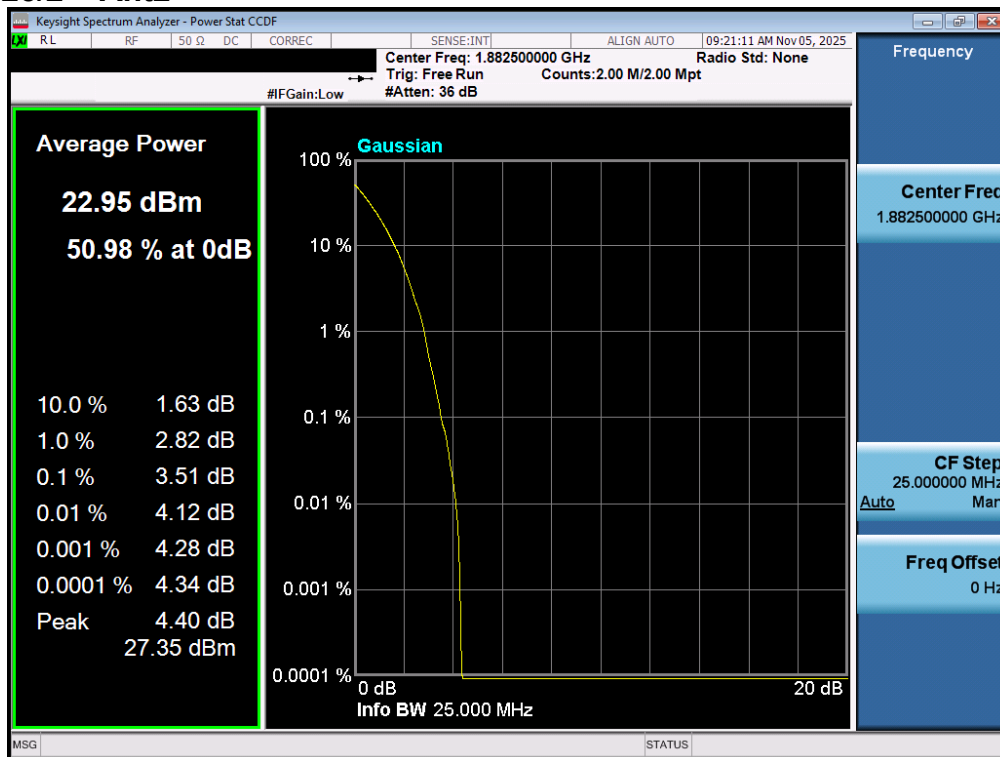
Plot 7-166. PAR Plot (LTE Band 25/2 - 1.4MHz QPSK - Full RB - Ant2)



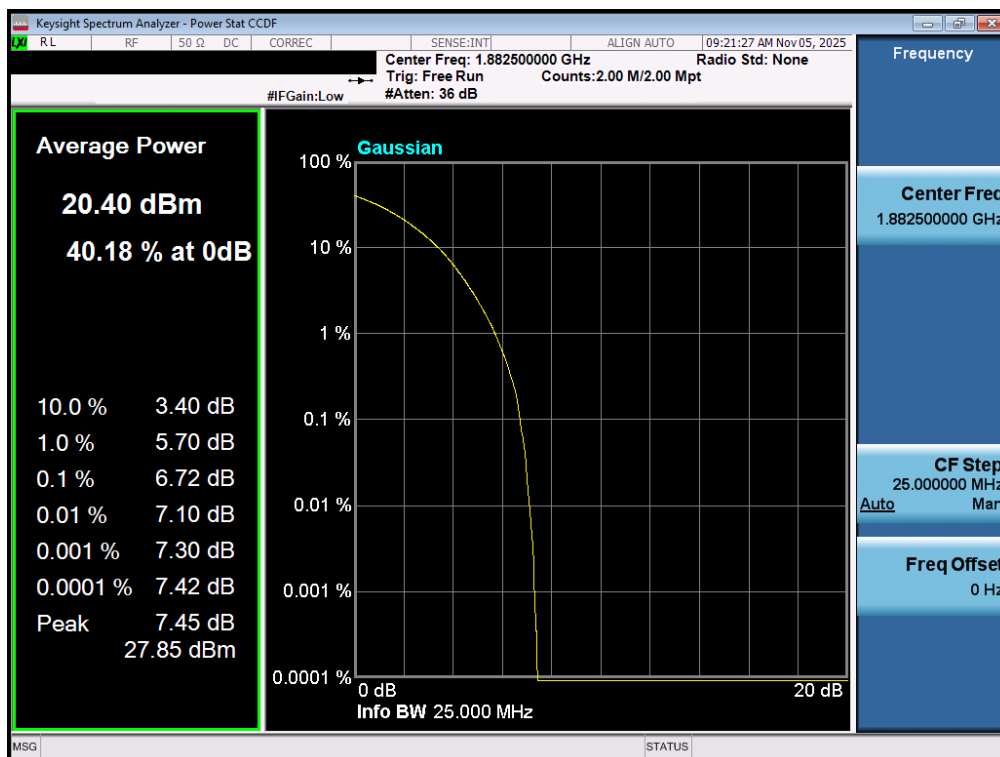
Plot 7-167. PAR Plot (LTE Band 25/2 - 1.4MHz 256-QAM - Full RB - Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-06-R1.A3L	Test Dates: 11/3/2025 - 12/05/2025	EUT Type: Portable Handset	Page 121 of 159

NR Band n25/2 – Ant2

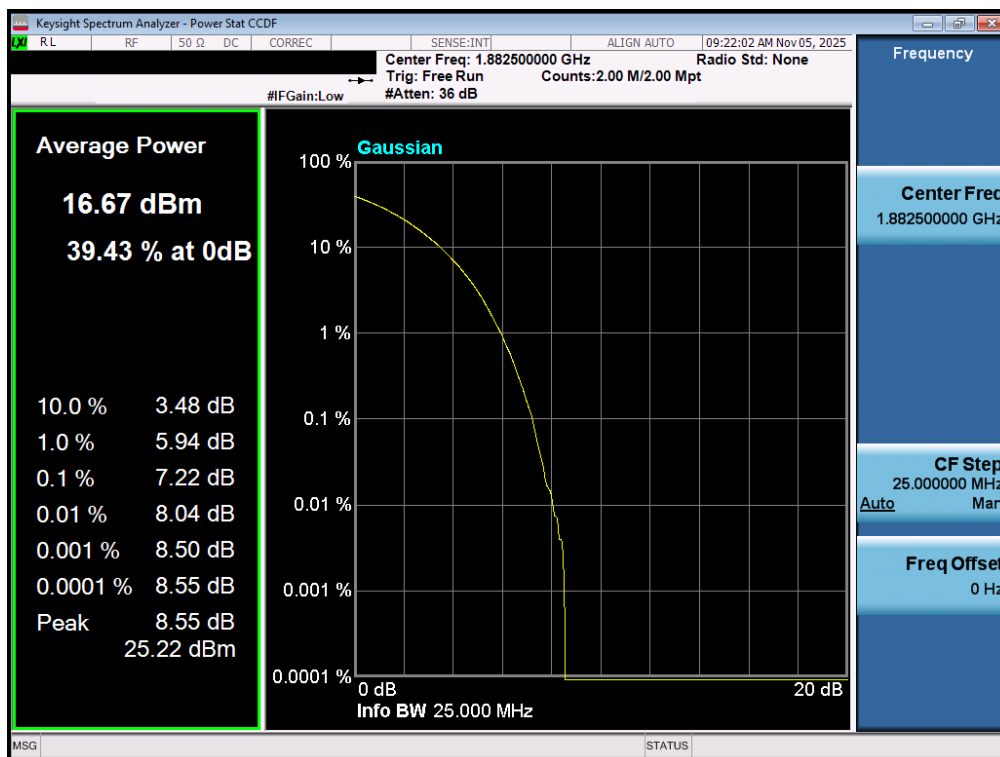


Plot 7-168. PAR Plot (NR Band n25/2 - 40.0MHz DFT-s-OFDM BPSK - Full RB - ANT2)

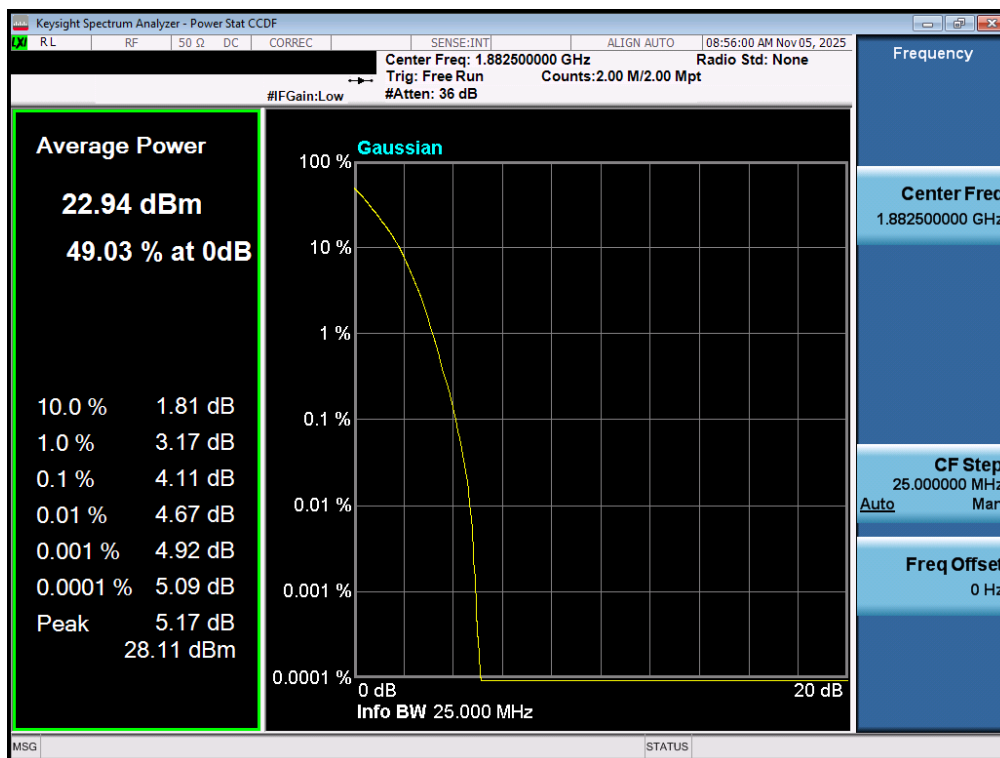


Plot 7-169. PAR Plot (NR Band n25/2 - 40.0MHz CP-OFDM QPSK - Full RB - ANT2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-06-R1.A3L	Test Dates: 11/3/2025 - 12/05/2025	EUT Type: Portable Handset	Page 122 of 159

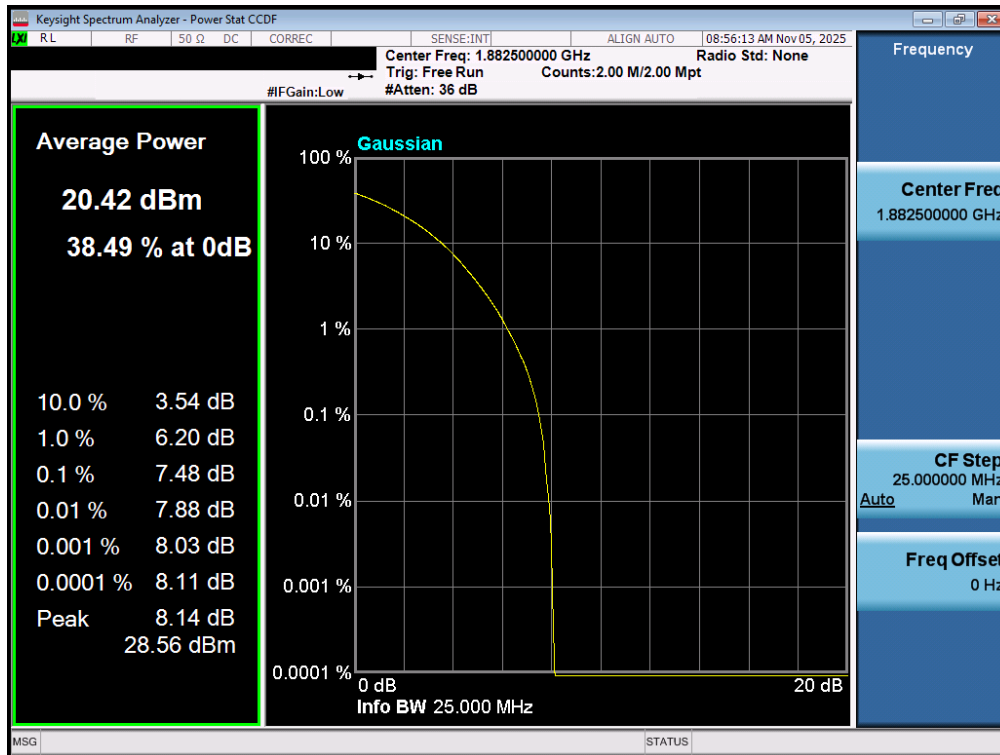


Plot 7-170. PAR Plot (NR Band n25/2 - 40.0MHz CP-OFDM 256-QAM - Full RB - ANT2)

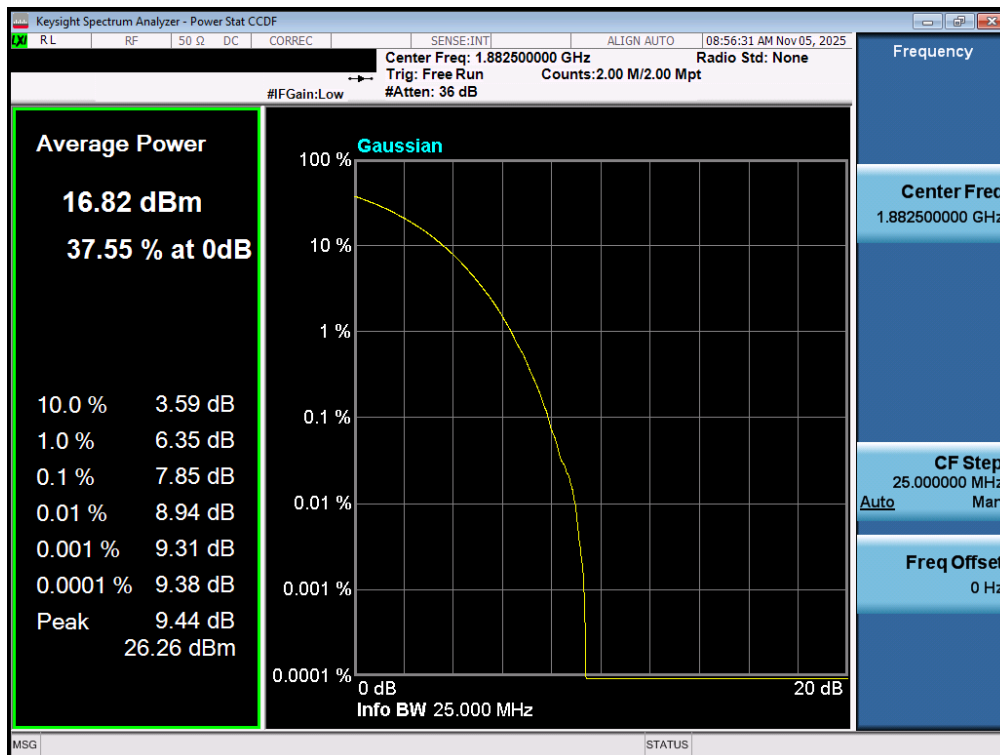


Plot 7-171. PAR Plot (NR Band n25/2 - 30.0MHz DFT-s-OFDM BPSK - Full RB - ANT2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-06-R1.A3L	Test Dates: 11/3/2025 - 12/05/2025	EUT Type: Portable Handset	Page 123 of 159

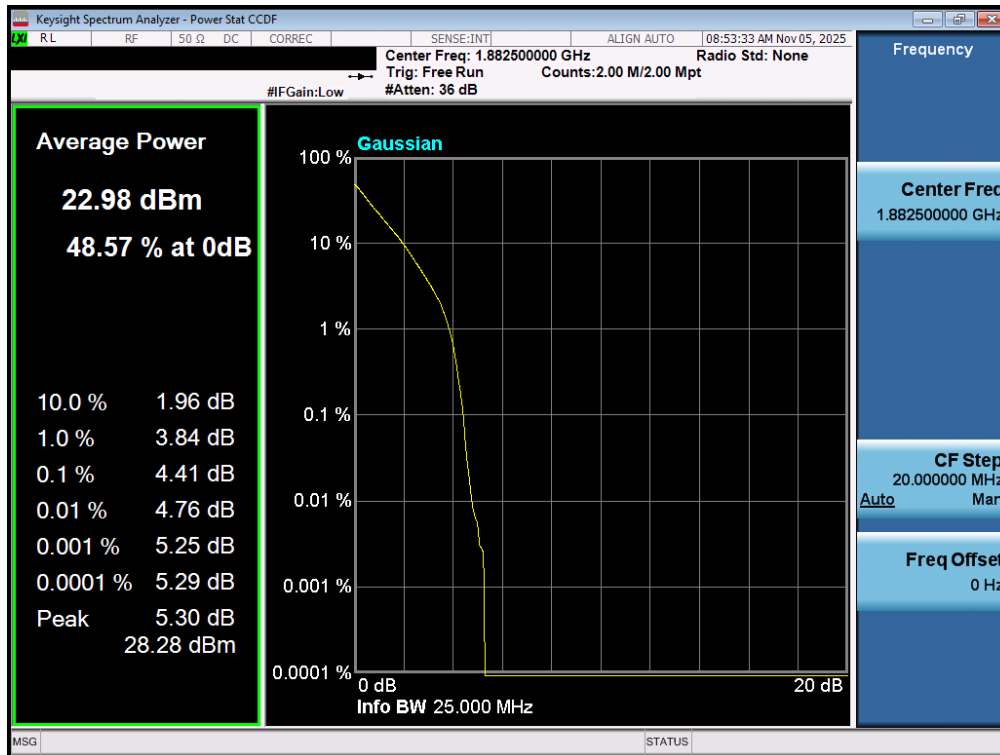


Plot 7-172. PAR Plot (NR Band n25/2 - 30.0MHz CP-OFDM QPSK - Full RB - ANT2)

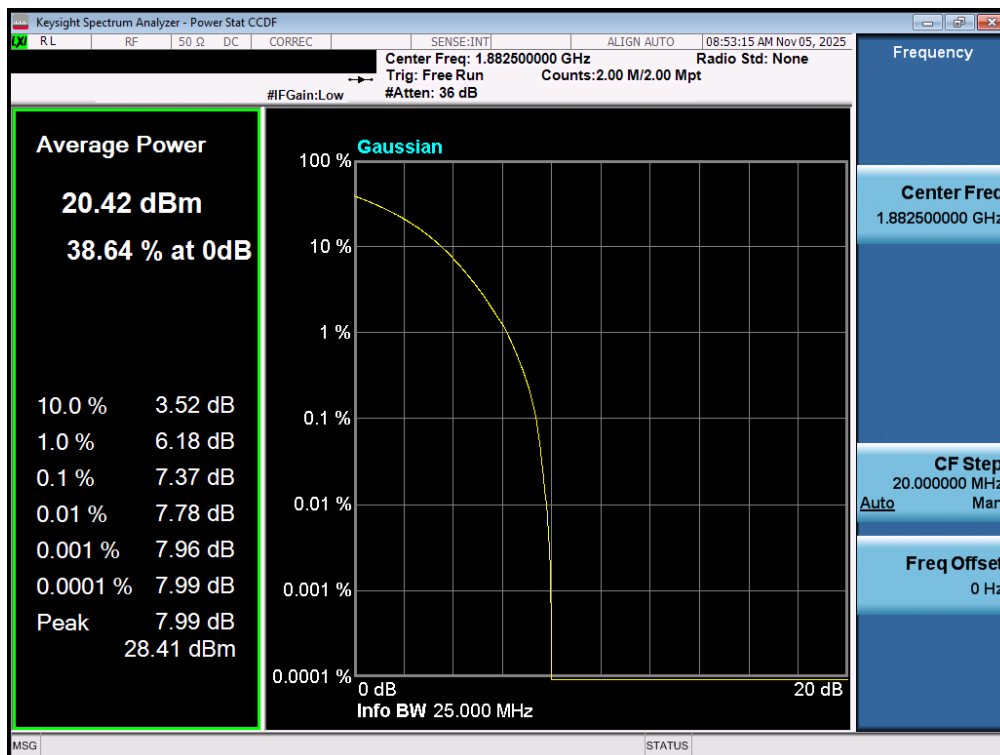


Plot 7-173. PAR Plot (NR Band n25/2 - 30.0MHz CP-OFDM 256-QAM - Full RB - ANT2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
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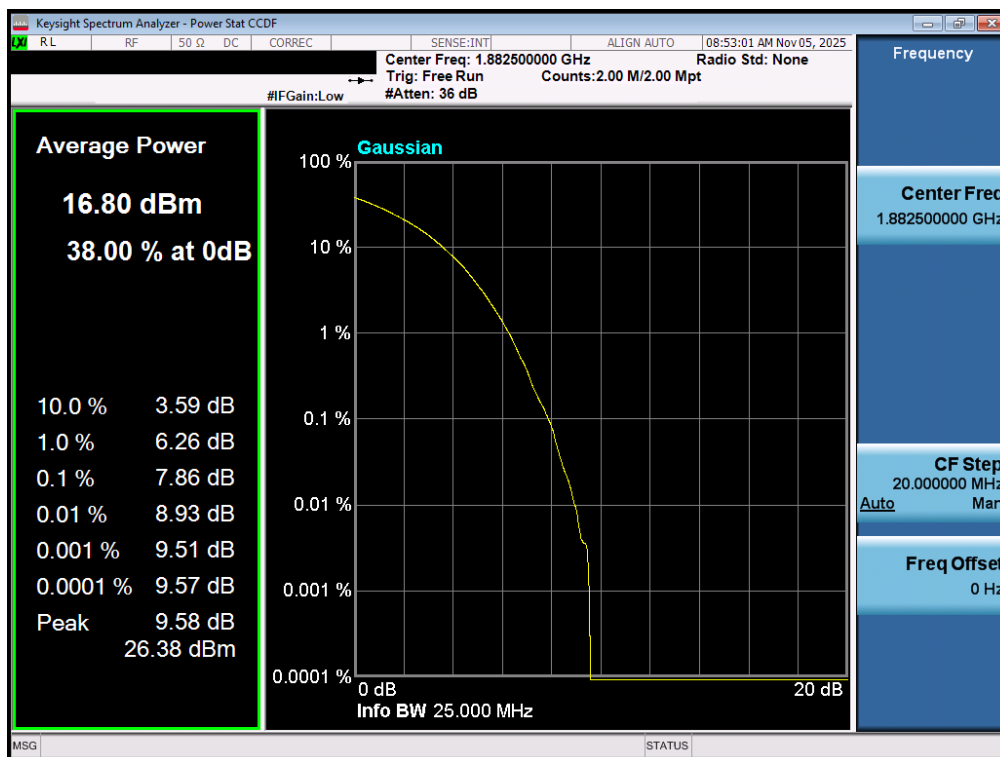


Plot 7-174. PAR Plot (NR Band n25/2 - 25.0MHz DFT-s-OFDM BPSK - Full RB - ANT2)

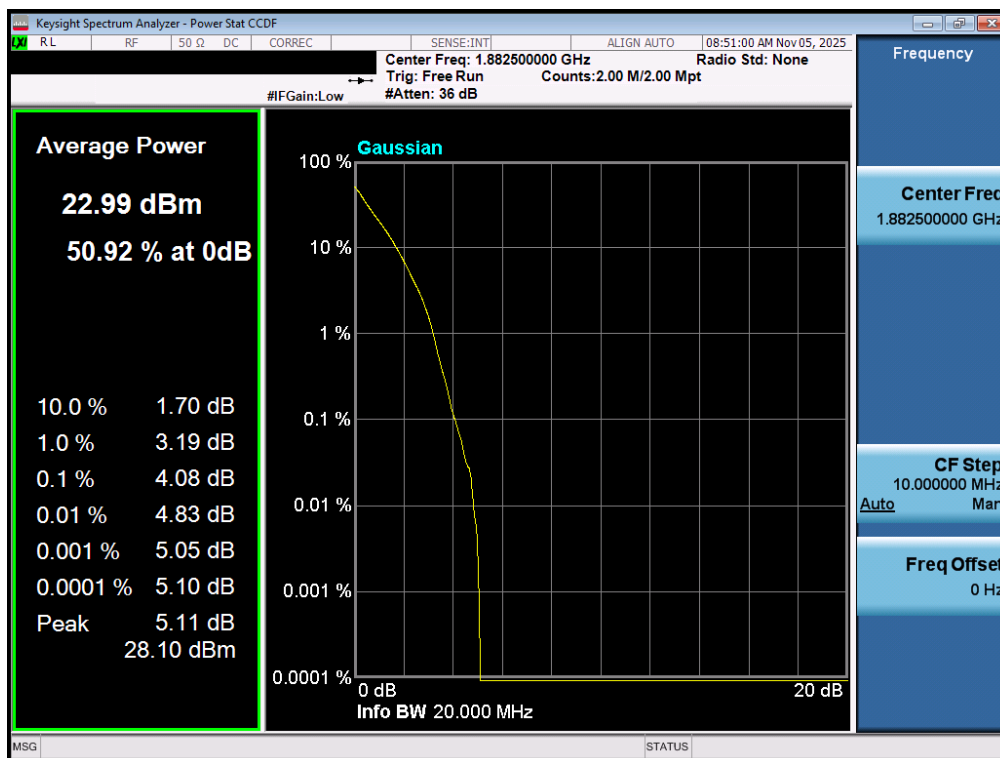


Plot 7-175. PAR Plot (NR Band n25/2 - 25.0MHz CP-OFDM QPSK - Full RB - ANT2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-06-R1.A3L	Test Dates: 11/3/2025 - 12/05/2025	EUT Type: Portable Handset	Page 125 of 159

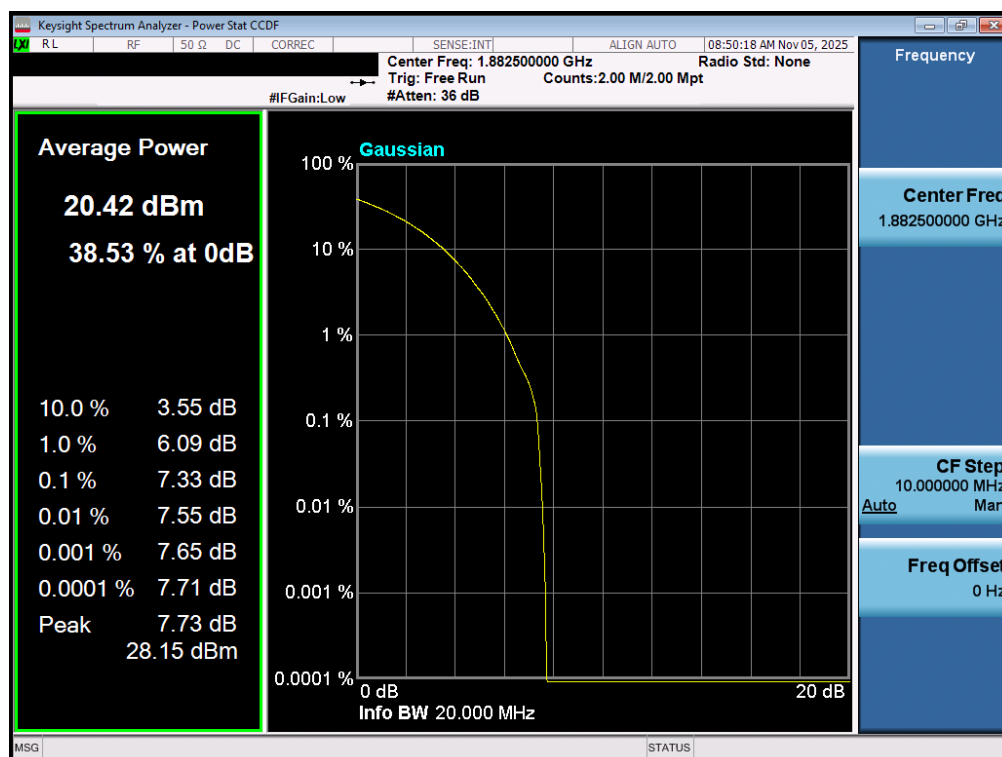


Plot 7-176. PAR Plot (NR Band n25/2 - 25.0MHz CP-OFDM 256-QAM - Full RB - ANT2)

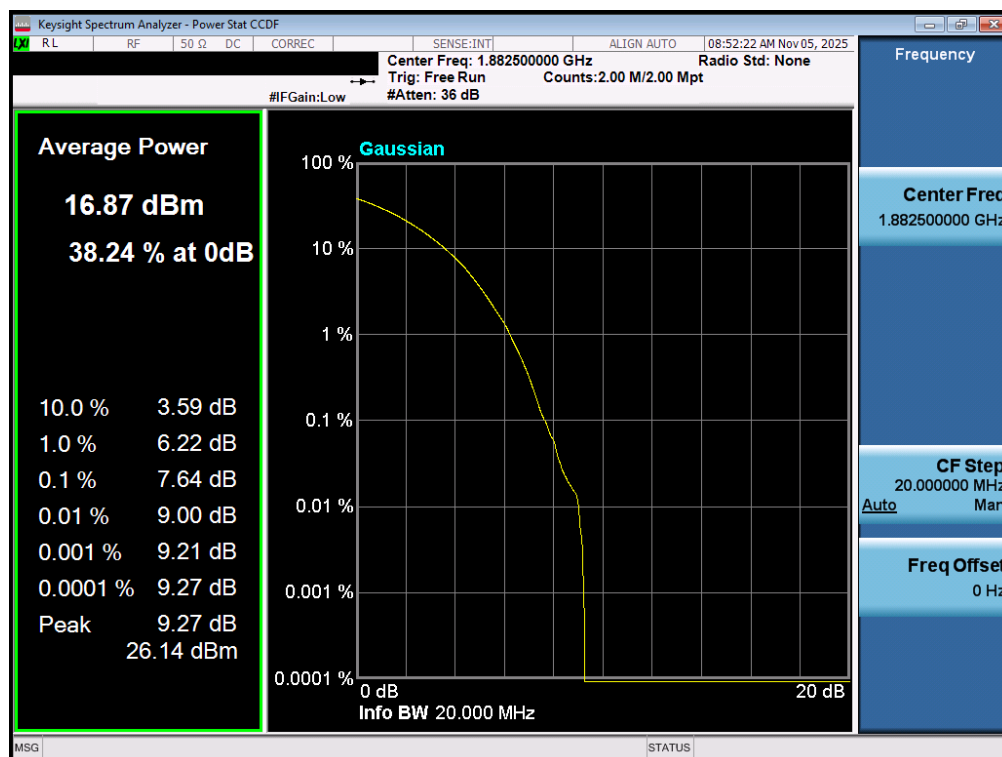


Plot 7-177. PAR Plot (NR Band n25/2 - 20.0MHz DFT-s-OFDM BPSK - Full RB - ANT2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-06-R1.A3L	Test Dates: 11/3/2025 - 12/05/2025	EUT Type: Portable Handset	Page 126 of 159

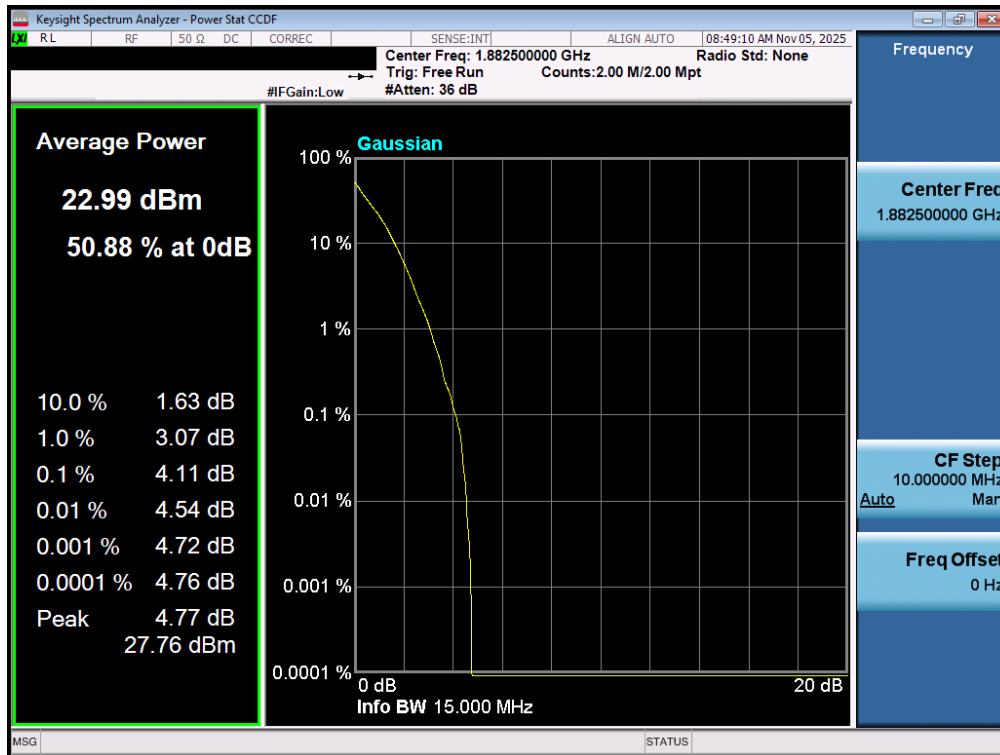


Plot 7-178. PAR Plot (NR Band n25/2 - 20.0MHz CP-OFDM QPSK - Full RB - ANT2)

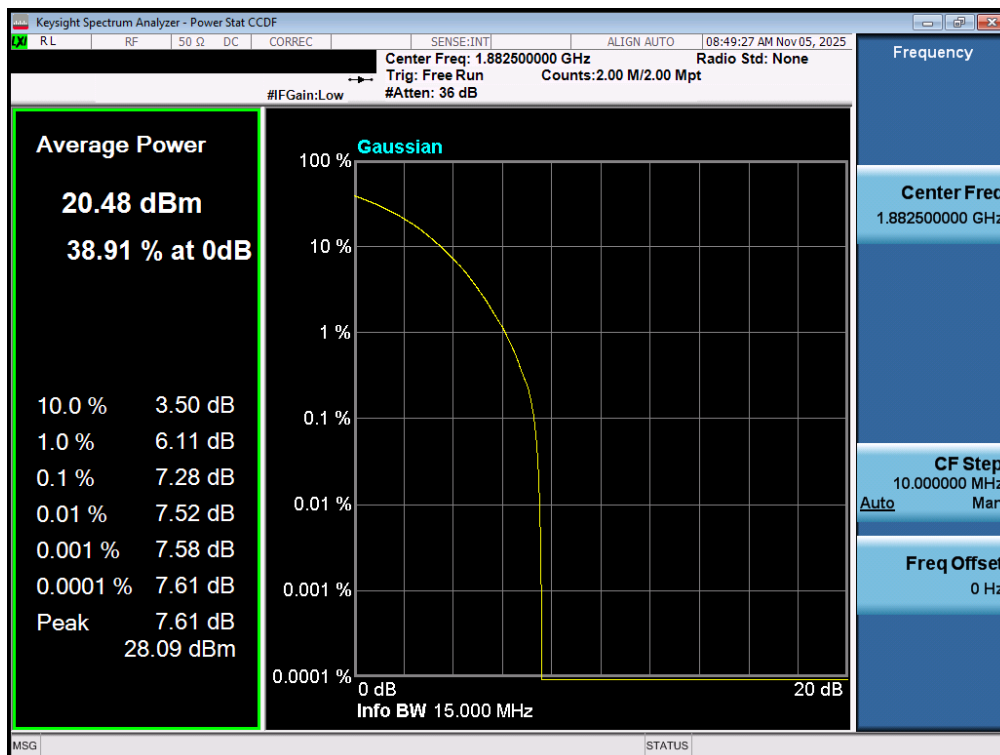


Plot 7-179. PAR Plot (NR Band n25/2 - 20.0MHz CP-OFDM 256-QAM - Full RB - ANT2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
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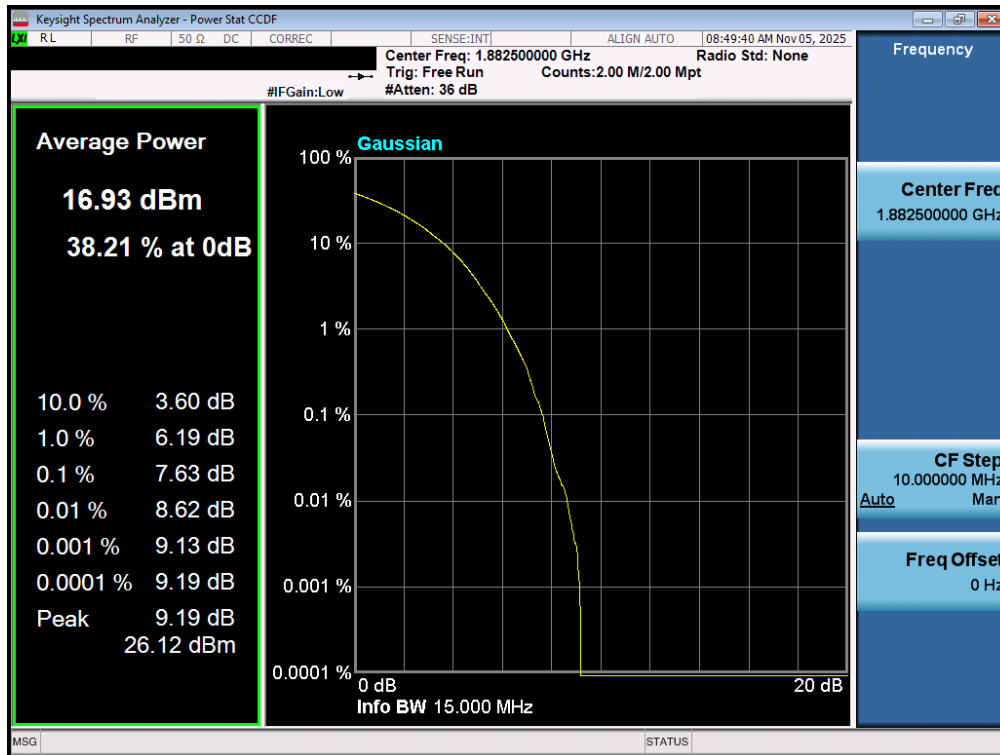


Plot 7-180. PAR Plot (NR Band n25/2 - 15.0MHz DFT-s-OFDM BPSK - Full RB - ANT2)

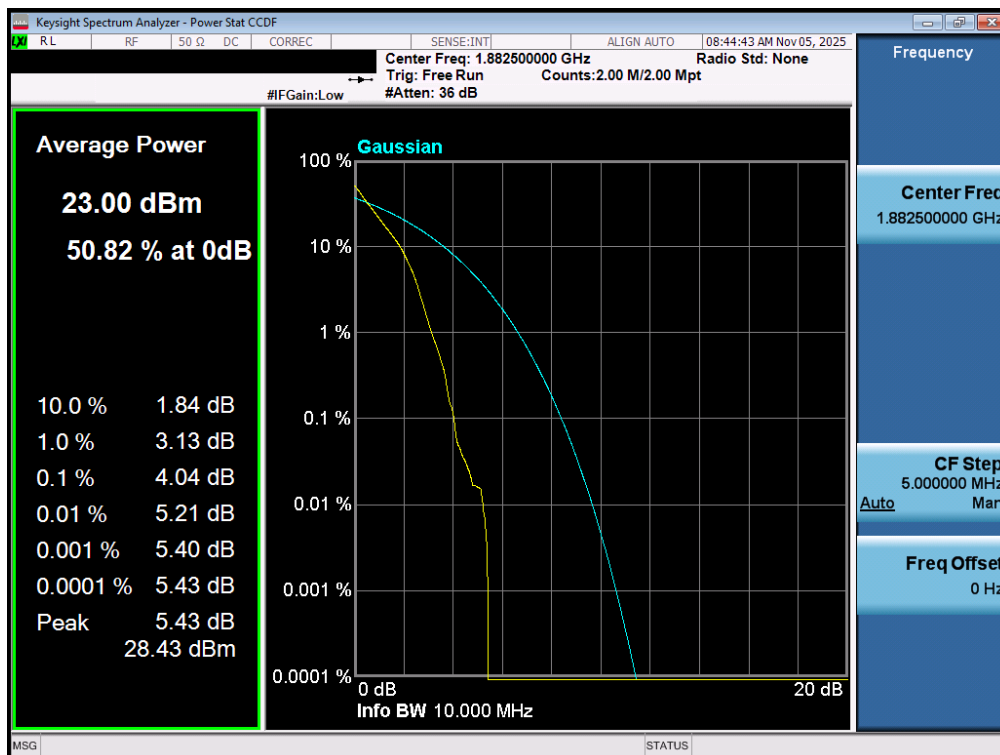


Plot 7-181. PAR Plot (NR Band n25/2 - 15.0MHz CP-OFDM QPSK - Full RB - ANT2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-06-R1.A3L	Test Dates: 11/3/2025 - 12/05/2025	EUT Type: Portable Handset	Page 128 of 159

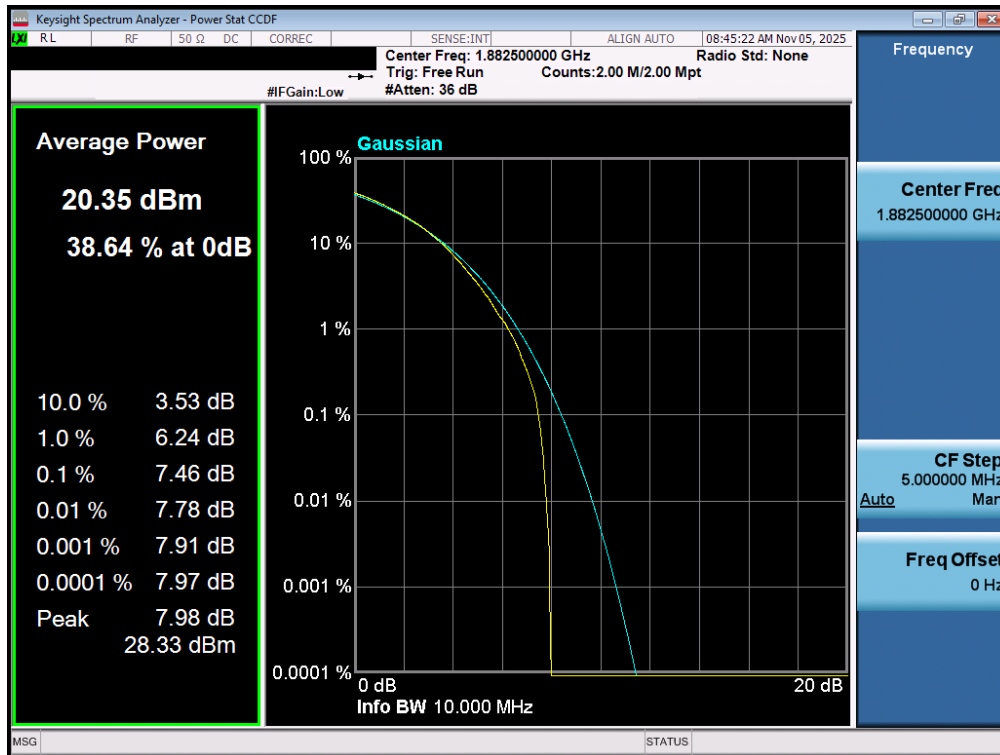


Plot 7-182. PAR Plot (NR Band n25/2 - 15.0MHz CP-OFDM 256-QAM - Full RB - ANT2)

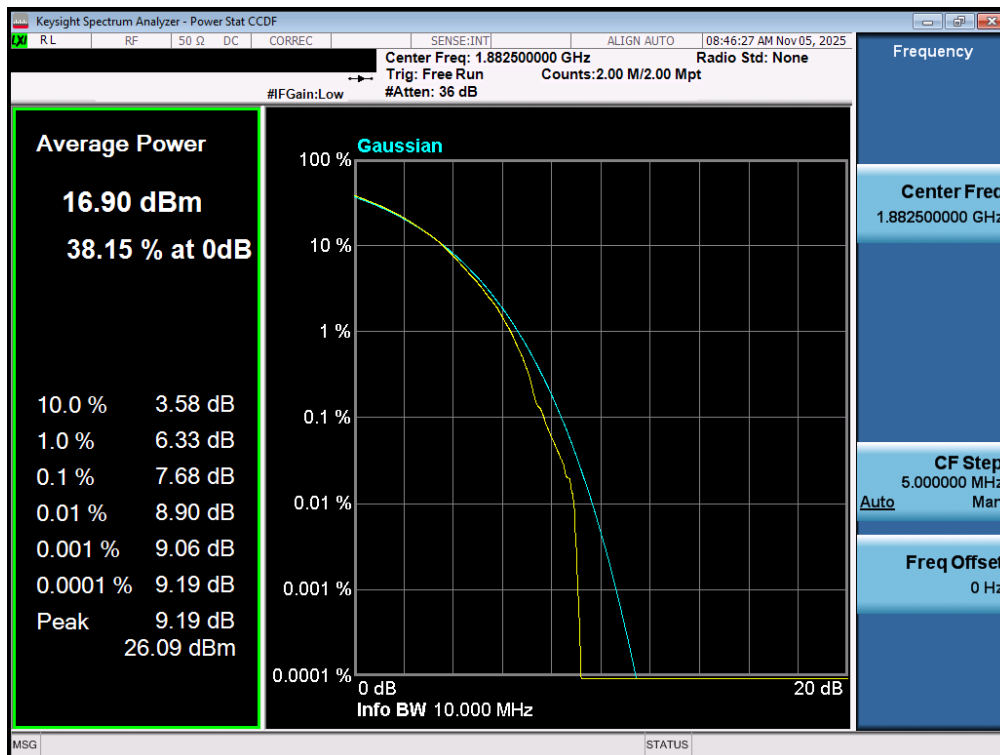


Plot 7-183. PAR Plot (NR Band n25/2 - 10.0MHz DFT-s-OFDM BPSK - Full RB - ANT2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-06-R1.A3L	Test Dates: 11/3/2025 - 12/05/2025	EUT Type: Portable Handset	Page 129 of 159

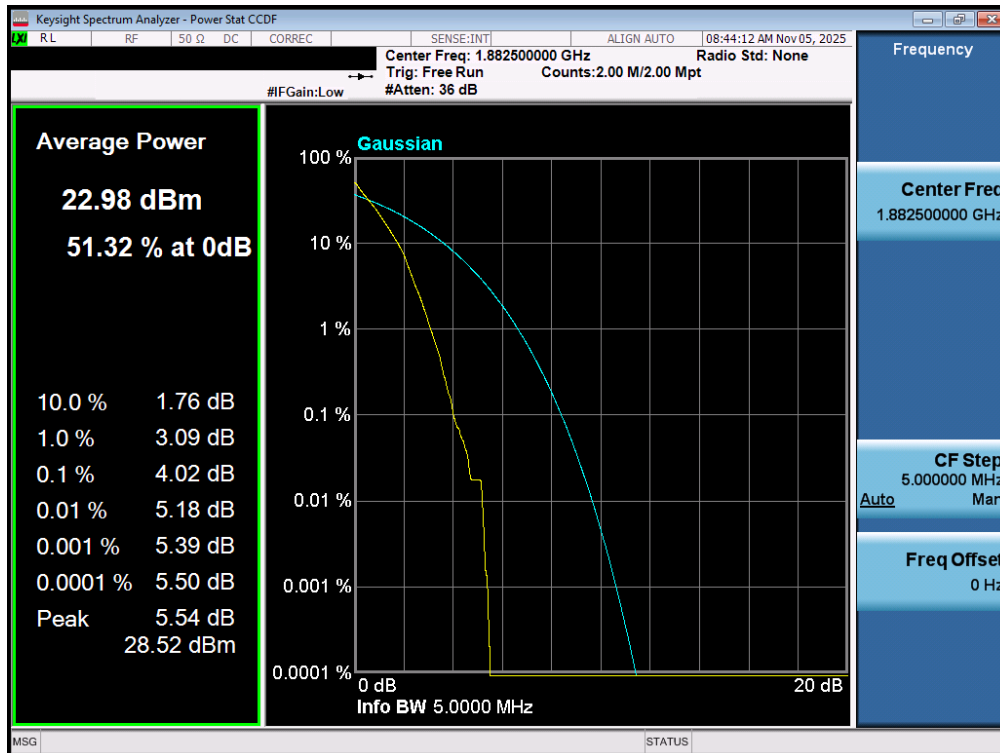


Plot 7-184. PAR Plot (NR Band n25/2 - 10.0MHz CP-OFDM QPSK - Full RB - ANT2)

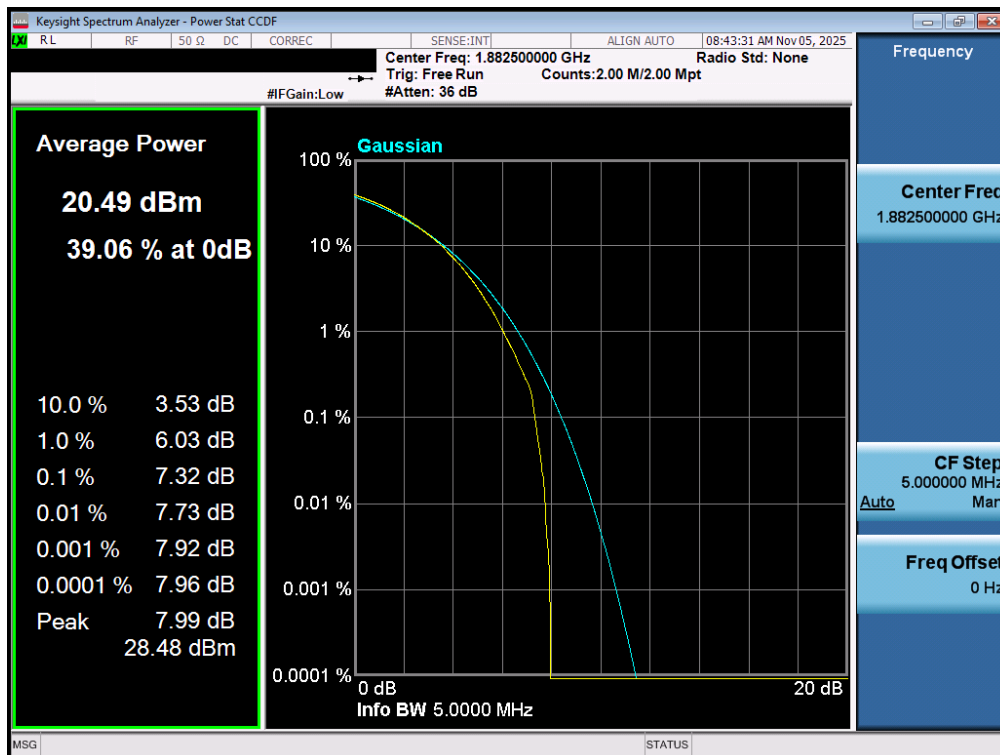


Plot 7-185. PAR Plot (NR Band n25/2 - 10.0MHz CP-OFDM 256-QAM - Full RB - ANT2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-06-R1.A3L	Test Dates: 11/3/2025 - 12/05/2025	EUT Type: Portable Handset	Page 130 of 159

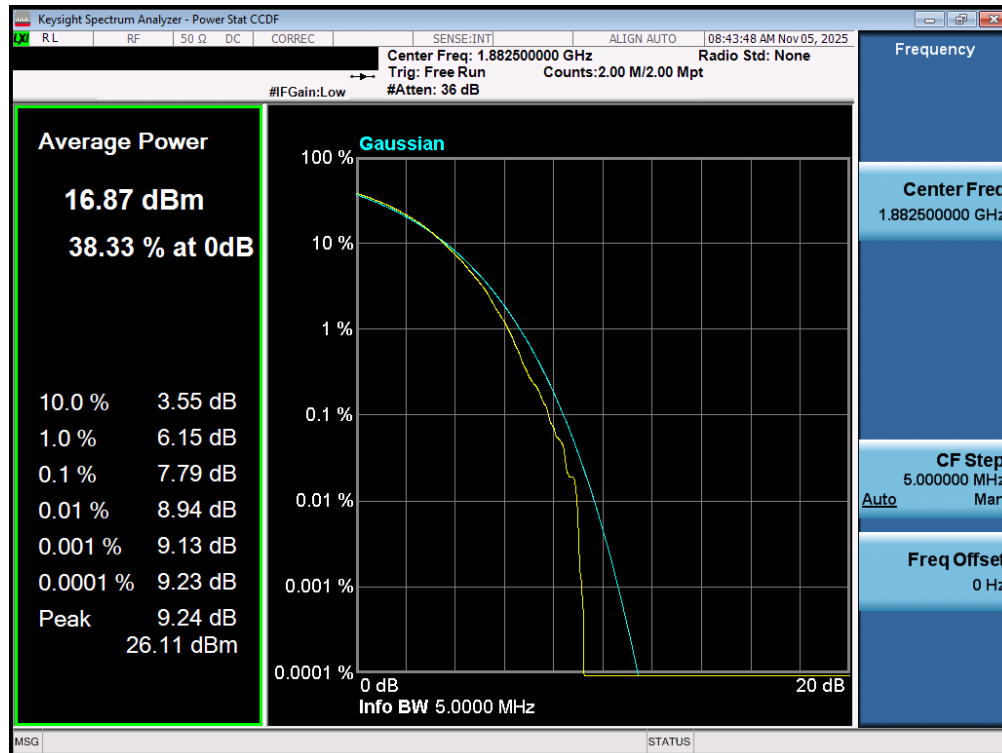


Plot 7-186. PAR Plot (NR Band n25/2 - 5.0MHz DFT-s-OFDM BPSK - Full RB - ANT2)



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

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 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: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-06-R1.A3L	Test Dates: 11/3/2025 - 12/05/2025	EUT Type: Portable Handset	Page 132 of 159

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.

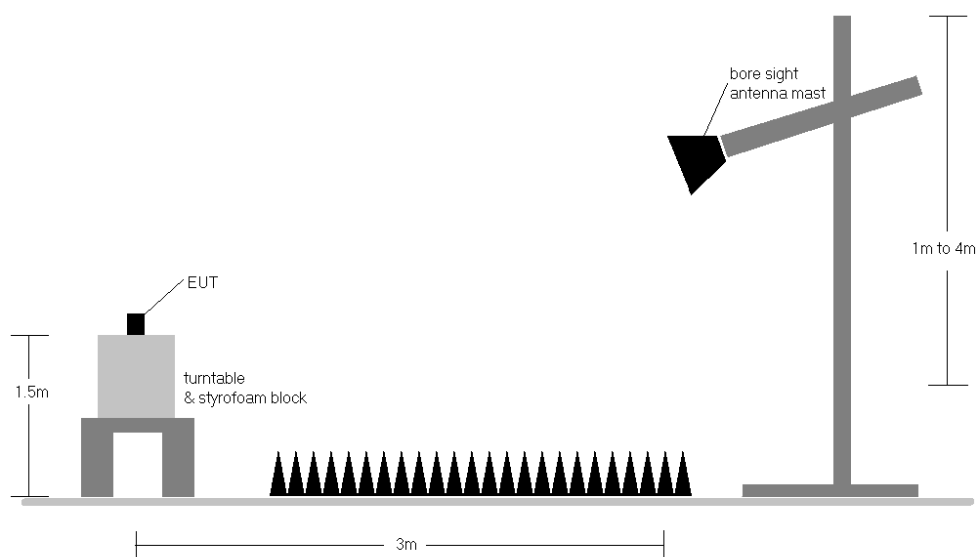


Figure 7-6. Radiated Test Setup >1GHz

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	169	324	2.53	1 / 50	22.00	24.53	0.284	33.01	-8.48
	QPSK	1882.50	V	163	335	2.32	1 / 0	21.97	24.29	0.268	33.01	-8.72
	QPSK	1905.00	V	156	300	2.19	1 / 50	20.76	22.95	0.197	33.01	-10.06
	16-QAM	1860.00	V	169	324	2.53	1 / 50	21.15	23.68	0.233	33.01	-9.33
15 MHz	QPSK	1857.50	V	169	324	2.55	1 / 37	21.99	24.55	0.285	33.01	-8.46
	QPSK	1882.50	V	163	335	2.32	1 / 74	21.97	24.29	0.268	33.01	-8.72
	QPSK	1907.50	V	156	300	2.20	1 / 0	20.80	23.00	0.200	33.01	-10.01
	16-QAM	1857.50	V	169	324	2.55	1 / 37	21.25	23.80	0.240	33.01	-9.21
10 MHz	QPSK	1855.00	V	169	324	2.58	1 / 49	21.90	24.48	0.281	33.01	-8.53
	QPSK	1882.50	V	163	335	2.32	1 / 0	22.00	24.32	0.270	33.01	-8.69
	QPSK	1910.00	V	156	300	2.22	1 / 49	20.72	22.94	0.197	33.01	-10.07
	16-QAM	1855.00	V	169	324	2.58	1 / 49	21.21	23.79	0.239	33.01	-9.22
5 MHz	QPSK	1852.50	V	169	324	2.60	1 / 24	21.82	24.42	0.277	33.01	-8.59
	QPSK	1882.50	V	163	335	2.32	1 / 24	22.11	24.43	0.277	33.01	-8.58
	QPSK	1912.50	V	156	300	2.24	1 / 0	20.75	22.99	0.199	33.01	-10.03
	16-QAM	1852.50	V	169	324	2.60	1 / 0	21.39	23.99	0.251	33.01	-9.02
3 MHz	QPSK	1851.50	V	169	324	2.61	1 / 7	21.84	24.45	0.279	33.01	-8.56
	QPSK	1882.50	V	163	335	2.32	1 / 7	22.19	24.51	0.282	33.01	-8.50
	QPSK	1913.50	V	156	300	2.25	1 / 14	20.72	22.97	0.198	33.01	-10.04
	16-QAM	1851.50	V	169	324	2.61	1 / 0	21.22	23.83	0.242	33.01	-9.18
1.4 MHz	QPSK	1850.70	V	169	324	2.62	1 / 5	21.80	24.42	0.277	33.01	-8.59
	QPSK	1882.50	V	163	335	2.32	1 / 3	22.03	24.34	0.272	33.01	-8.67
	QPSK	1914.30	V	156	300	2.25	1 / 3	20.63	22.88	0.194	33.01	-10.13
	16-QAM	1882.50	V	163	335	2.32	1 / 5	21.34	23.66	0.232	33.01	-9.36
20 MHz	Opposite Pol.	1860.00	H	117	188	2.53	1 / 99	20.58	23.11	0.205	33.01	-9.90

Table 7-20. EIRP Data (LTE Band 25/2 – Ant1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 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	H	192	168	2.73	1 / 214	20.72	23.45	0.221	33.01	-9.56
	$\pi/2$ BPSK	1882.50	H	192	168	2.65	1 / 214	18.36	21.01	0.126	33.01	-12.00
	$\pi/2$ BPSK	1895.00	H	186	168	2.57	1 / 108	21.19	23.76	0.238	33.01	-9.25
	QPSK	1870.00	H	192	168	2.73	1 / 214	20.58	23.31	0.214	33.01	-9.70
	QPSK	1882.50	H	192	168	2.65	1 / 214	18.47	21.12	0.129	33.01	-11.89
	QPSK	1895.00	H	186	168	2.57	1 / 214	21.00	23.57	0.228	33.01	-9.44
30 MHz	16-QAM	1870.00	H	192	168	2.73	1 / 214	19.83	22.56	0.180	33.01	-10.45
	$\pi/2$ BPSK	1865.00	H	192	168	2.76	1 / 80	20.65	23.41	0.219	33.01	-9.60
	$\pi/2$ BPSK	1882.50	H	192	168	2.65	1 / 80	18.56	21.21	0.132	33.01	-11.80
	$\pi/2$ BPSK	1900.00	H	186	168	2.54	1 / 80	21.32	23.86	0.243	33.01	-9.15
	QPSK	1865.00	H	192	168	2.76	1 / 80	20.61	23.37	0.217	33.01	-9.64
	QPSK	1882.50	H	192	168	2.65	1 / 80	18.67	21.32	0.135	33.01	-11.69
25 MHz	QPSK	1900.00	H	186	168	2.54	1 / 80	21.16	23.70	0.235	33.01	-9.31
	16-QAM	1900.00	H	186	168	2.54	1 / 80	20.12	22.66	0.185	33.01	-10.35
	$\pi/2$ BPSK	1862.50	H	192	168	2.78	1 / 66	20.69	23.47	0.222	33.01	-9.54
	$\pi/2$ BPSK	1882.50	H	192	168	2.65	1 / 66	18.69	21.34	0.136	33.01	-11.67
	$\pi/2$ BPSK	1902.50	H	186	168	2.54	1 / 66	21.34	23.88	0.245	33.01	-9.13
	QPSK	1862.50	H	192	168	2.78	1 / 66	20.62	23.39	0.218	33.01	-9.62
20 MHz	QPSK	1882.50	H	192	168	2.65	1 / 66	18.75	21.40	0.138	33.01	-11.61
	QPSK	1902.50	H	186	168	2.54	1 / 66	21.18	23.73	0.236	33.01	-9.28
	16-QAM	1902.50	H	186	168	2.54	1 / 66	20.07	22.61	0.183	33.01	-10.40
	$\pi/2$ BPSK	1860.00	H	192	168	2.79	1 / 53	20.70	23.50	0.224	33.01	-9.51
	$\pi/2$ BPSK	1882.50	H	192	168	2.65	1 / 53	18.59	21.24	0.133	33.01	-11.77
	$\pi/2$ BPSK	1905.00	H	186	168	2.54	1 / 53	21.43	23.98	0.250	33.01	-9.03
15 MHz	QPSK	1860.00	H	192	168	2.79	1 / 53	20.58	23.37	0.217	33.01	-9.64
	QPSK	1882.50	H	192	168	2.65	1 / 53	18.66	21.31	0.135	33.01	-11.70
	QPSK	1905.00	H	186	168	2.54	1 / 53	21.29	23.84	0.242	33.01	-9.17
	16-QAM	1860.00	H	192	168	2.79	1 / 53	19.92	22.72	0.187	33.01	-10.29
	$\pi/2$ BPSK	1857.50	H	192	168	2.81	1 / 39	20.73	23.54	0.226	33.01	-9.47
	$\pi/2$ BPSK	1882.50	H	192	168	2.65	1 / 39	18.64	21.29	0.135	33.01	-11.72
10 MHz	$\pi/2$ BPSK	1907.50	H	186	168	2.54	1 / 77	21.31	23.85	0.243	33.01	-9.16
	QPSK	1857.50	H	192	168	2.81	1 / 39	20.67	23.48	0.223	33.01	-9.53
	QPSK	1882.50	H	192	168	2.65	1 / 39	18.76	21.41	0.138	33.01	-11.60
	QPSK	1907.50	H	186	168	2.54	1 / 77	21.12	23.67	0.233	33.01	-9.34
	16-QAM	1857.50	H	192	168	2.81	1 / 39	19.84	22.65	0.184	33.01	-10.36
	$\pi/2$ BPSK	1855.00	H	192	168	2.82	1 / 26	20.65	23.48	0.223	33.01	-9.53
5 MHz	$\pi/2$ BPSK	1882.50	H	192	168	2.65	1 / 26	18.59	21.24	0.133	33.01	-11.78
	$\pi/2$ BPSK	1910.00	H	186	168	2.55	1 / 26	21.47	24.02	0.252	33.01	-8.99
	QPSK	1855.00	H	192	168	2.82	1 / 26	20.52	23.34	0.216	33.01	-9.67
	QPSK	1882.50	H	192	168	2.65	1 / 26	18.63	21.28	0.134	33.01	-11.73
	QPSK	1910.00	H	186	168	2.55	1 / 26	21.26	23.80	0.240	33.01	-9.21
	16-QAM	1910.00	H	186	168	2.55	1 / 26	20.20	22.75	0.188	33.01	-10.26
40 MHz	$\pi/2$ BPSK	1852.50	H	192	168	2.84	1 / 12	20.64	23.48	0.223	33.01	-9.53
	$\pi/2$ BPSK	1882.50	H	192	168	2.65	1 / 12	18.62	21.26	0.134	33.01	-11.75
	$\pi/2$ BPSK	1912.50	H	186	168	2.55	1 / 12	21.49	24.04	0.253	33.01	-8.97
	QPSK	1852.50	H	192	168	2.84	1 / 12	20.53	23.37	0.217	33.01	-9.64
	QPSK	1882.50	H	192	168	2.65	1 / 12	18.71	21.36	0.137	33.01	-11.65
	QPSK	1912.50	H	186	168	2.55	1 / 12	21.32	23.87	0.244	33.01	-9.14
40 MHz	16-QAM	1912.50	H	186	168	2.55	1 / 12	20.10	22.64	0.184	33.01	-10.37
	QPSK (CP-OFDM)	1895.00	H	192	168	2.57	1 / 108	19.71	22.28	0.169	33.01	-10.73
	QPSK (Opposite Pol.)	1895.00	V	159	332	2.20	1 / 1	21.52	23.72	0.235	33.01	-9.29

Table 7-21. EIRP Data (NR Band n25/2 – 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]
1850.20	GPRS1900	V	172	336	26.58	2.62	29.20	0.833	33.01	-3.81
1880.00	GPRS1900	V	159	334	26.79	2.34	29.13	0.818	33.01	-3.88
1909.80	GPRS1900	V	172	336	24.96	2.22	27.18	0.522	33.01	-5.83
1850.20	GPRS1900	H	172	113	25.62	2.62	28.24	0.668	33.01	-4.77
1850.20	EDGE1900	V	172	336	22.67	2.62	25.29	0.338	33.01	-7.72

Table 7-22. EIRP Data (GPRS PCS – Ant1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT							Approved by: Technical Manager	
Test Report S/N: 1M2510280090-06-R1.A3L	Test Dates: 11/3/2025 - 12/05/2025	EUT Type: Portable Handset						Page 136 of 159	

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	118	332	21.93	2.60	24.53	0.284	33.01	-8.48
1880.00	WCDMA1900	V	108	337	21.86	2.34	24.20	0.263	33.01	-8.81
1907.60	WCDMA1900	V	128	325	21.07	2.20	23.27	0.213	33.01	-9.74
1852.40	WCDMA1900	H	143	0	20.71	2.84	23.55	0.227	33.01	-9.46

Table 7-23. 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	H	162	297	2.79	1 / 0	17.49	20.28	0.107	33.01	-12.73
	QPSK	1882.50	H	162	299	2.65	1 / 99	17.99	20.64	0.116	33.01	-12.37
	QPSK	1905.00	H	162	297	2.54	1 / 0	18.01	20.55	0.114	33.01	-12.46
	16-QAM	1882.50	H	162	299	2.65	1 / 99	17.21	19.86	0.097	33.01	-13.15
15 MHz	QPSK	1857.50	H	162	297	2.81	1 / 37	17.62	20.43	0.110	33.01	-12.58
	QPSK	1882.50	H	162	299	2.65	1 / 37	18.15	20.80	0.120	33.01	-12.21
	QPSK	1907.50	H	162	297	2.54	1 / 0	17.81	20.35	0.108	33.01	-12.66
	16-QAM	1907.50	H	162	297	2.54	1 / 0	17.39	19.93	0.098	33.01	-13.08
10 MHz	QPSK	1855.00	H	162	297	2.82	1 / 49	17.46	20.28	0.107	33.01	-12.73
	QPSK	1882.50	H	162	299	2.65	1 / 49	18.10	20.75	0.119	33.01	-12.26
	QPSK	1910.00	H	162	297	2.55	1 / 49	17.69	20.24	0.106	33.01	-12.77
	16-QAM	1910.00	H	162	297	2.55	1 / 49	17.43	19.97	0.099	33.01	-13.04
5 MHz	QPSK	1852.50	H	162	297	2.84	1 / 24	17.53	20.37	0.109	33.01	-12.64
	QPSK	1882.50	H	162	299	2.65	1 / 0	18.17	20.82	0.121	33.01	-12.19
	QPSK	1912.50	H	162	297	2.55	1 / 0	17.78	20.32	0.108	33.01	-12.69
	16-QAM	1882.50	H	162	299	2.65	1 / 12	17.42	20.07	0.102	33.01	-12.94
3 MHz	QPSK	1851.50	H	162	297	2.85	1 / 7	17.54	20.38	0.109	33.01	-12.63
	QPSK	1882.50	H	162	299	2.65	1 / 7	18.03	20.68	0.117	33.01	-12.33
	QPSK	1913.50	H	162	297	2.55	1 / 14	17.66	20.21	0.105	33.01	-12.80
	16-QAM	1882.50	H	162	299	2.65	1 / 0	17.36	20.01	0.100	33.01	-13.00
1.4 MHz	QPSK	1850.70	H	162	297	2.85	1 / 5	17.32	20.17	0.104	33.01	-12.84
	QPSK	1882.50	H	162	299	2.65	1 / 0	18.15	20.80	0.120	33.01	-12.21
	QPSK	1914.30	H	162	297	2.55	1 / 5	17.75	20.30	0.107	33.01	-12.71
	16-QAM	1914.30	H	162	297	2.55	1 / 3	17.25	19.80	0.096	33.01	-13.21
20 MHz	Opposite Pol.	1882.50	V	143	294	2.32	1 / 0	18.16	20.48	0.112	33.01	-12.53

Table 7-24. EIRP Data (LTE Band 25/2 – Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 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	H	218	349	2.73	1 / 108	17.23	19.96	0.099	33.01	-13.05
	$\pi/2$ BPSK	1882.50	H	218	351	2.65	1 / 108	17.33	19.98	0.100	33.01	-13.03
	$\pi/2$ BPSK	1895.00	H	215	349	2.57	1 / 1	17.33	19.90	0.098	33.01	-13.11
	QPSK	1870.00	H	218	349	2.73	1 / 108	17.21	19.94	0.099	33.01	-13.07
	QPSK	1882.50	H	218	351	2.65	1 / 108	17.25	19.90	0.098	33.01	-13.11
	QPSK	1895.00	H	215	349	2.57	1 / 1	17.30	19.87	0.097	33.01	-13.14
30 MHz	16-QAM	1882.50	H	218	351	2.65	1 / 108	16.47	19.12	0.082	33.01	-13.89
	$\pi/2$ BPSK	1865.00	H	218	349	2.76	1 / 158	17.12	19.88	0.097	33.01	-13.13
	$\pi/2$ BPSK	1882.50	H	218	351	2.65	1 / 80	17.35	20.00	0.100	33.01	-13.01
	$\pi/2$ BPSK	1900.00	H	215	349	2.54	1 / 80	17.39	19.93	0.098	33.01	-13.08
	QPSK	1865.00	H	218	349	2.76	1 / 158	17.14	19.90	0.098	33.01	-13.11
	QPSK	1882.50	H	218	351	2.65	1 / 80	17.29	19.94	0.099	33.01	-13.07
25 MHz	QPSK	1900.00	H	215	349	2.54	1 / 80	17.33	19.87	0.097	33.01	-13.14
	16-QAM	1882.50	H	218	351	2.65	1 / 80	16.53	19.18	0.083	33.01	-13.83
	$\pi/2$ BPSK	1862.50	H	218	349	2.78	1 / 66	17.13	19.91	0.098	33.01	-13.11
	$\pi/2$ BPSK	1882.50	H	218	351	2.65	1 / 66	17.43	20.08	0.102	33.01	-12.93
	$\pi/2$ BPSK	1902.50	H	215	349	2.54	1 / 66	17.39	19.93	0.098	33.01	-13.08
	QPSK	1862.50	H	218	349	2.78	1 / 66	17.21	19.98	0.100	33.01	-13.03
20 MHz	QPSK	1882.50	H	218	351	2.65	1 / 66	17.36	20.01	0.100	33.01	-13.00
	QPSK	1902.50	H	215	349	2.54	1 / 66	17.33	19.87	0.097	33.01	-13.14
	16-QAM	1882.50	H	218	351	2.65	1 / 66	16.54	19.19	0.083	33.01	-13.82
	$\pi/2$ BPSK	1860.00	H	218	349	2.79	1 / 104	17.14	19.93	0.098	33.01	-13.08
	$\pi/2$ BPSK	1882.50	H	218	351	2.65	1 / 53	17.36	20.01	0.100	33.01	-13.00
	$\pi/2$ BPSK	1905.00	H	215	349	2.54	1 / 104	17.39	19.93	0.098	33.01	-13.08
15 MHz	QPSK	1860.00	H	218	349	2.79	1 / 104	17.08	19.87	0.097	33.01	-13.14
	QPSK	1882.50	H	218	351	2.65	1 / 53	17.32	19.97	0.099	33.01	-13.04
	QPSK	1905.00	H	215	349	2.54	1 / 104	17.34	19.88	0.097	33.01	-13.13
	16-QAM	1882.50	H	218	351	2.65	1 / 53	16.56	19.21	0.083	33.01	-13.80
	$\pi/2$ BPSK	1857.50	H	218	349	2.81	1 / 77	16.97	19.78	0.095	33.01	-13.23
	$\pi/2$ BPSK	1882.50	H	218	351	2.65	1 / 77	17.42	20.07	0.102	33.01	-12.94
10 MHz	$\pi/2$ BPSK	1907.50	H	215	349	2.54	1 / 77	17.39	19.94	0.099	33.01	-13.07
	QPSK	1857.50	H	218	349	2.81	1 / 77	17.07	19.88	0.097	33.01	-13.13
	QPSK	1882.50	H	218	351	2.65	1 / 77	17.41	20.06	0.101	33.01	-12.95
	QPSK	1907.50	H	215	349	2.54	1 / 77	17.33	19.88	0.097	33.01	-13.14
	16-QAM	1882.50	H	218	351	2.65	1 / 77	16.57	19.22	0.083	33.01	-13.79
	$\pi/2$ BPSK	1855.00	H	218	349	2.82	1 / 26	17.21	20.04	0.101	33.01	-12.97
5 MHz	$\pi/2$ BPSK	1882.50	H	218	351	2.65	1 / 26	17.44	20.09	0.102	33.01	-12.93
	$\pi/2$ BPSK	1910.00	H	215	349	2.55	1 / 26	17.40	19.94	0.099	33.01	-13.07
	QPSK	1855.00	H	218	349	2.82	1 / 26	17.27	20.10	0.102	33.01	-12.91
	QPSK	1882.50	H	218	351	2.65	1 / 26	17.41	20.06	0.101	33.01	-12.95
	QPSK	1910.00	H	215	349	2.55	1 / 26	17.38	19.93	0.098	33.01	-13.09
	16-QAM	1882.50	H	218	351	2.65	1 / 26	16.64	19.29	0.085	33.01	-13.72
40 MHz	$\pi/2$ BPSK	1852.50	H	218	349	2.84	1 / 12	17.30	20.14	0.103	33.01	-12.87
	$\pi/2$ BPSK	1882.50	H	218	351	2.65	1 / 12	17.40	20.05	0.101	33.01	-12.96
	$\pi/2$ BPSK	1912.50	H	215	349	2.55	1 / 12	17.40	19.95	0.099	33.01	-13.06
	QPSK	1852.50	H	218	349	2.84	1 / 12	17.34	20.18	0.104	33.01	-12.83
	QPSK	1882.50	H	218	351	2.65	1 / 12	17.34	19.99	0.100	33.01	-13.02
	QPSK	1912.50	H	215	349	2.55	1 / 12	17.37	19.92	0.098	33.01	-13.09
40 MHz	16-QAM	1882.50	H	218	351	2.65	1 / 12	16.82	19.47	0.089	33.01	-13.54
	QPSK (CP-OFDM)	1882.50	H	212	357	2.73	1 / 1	15.52	18.25	0.067	33.01	-14.76
	QPSK (Opposite Pol.)	1882.50	V	133	296	2.32	1 / 108	17.57	19.89	0.097	33.01	-13.12

Table 7-25. EIRP Data (NR Band n25/2 – Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
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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.

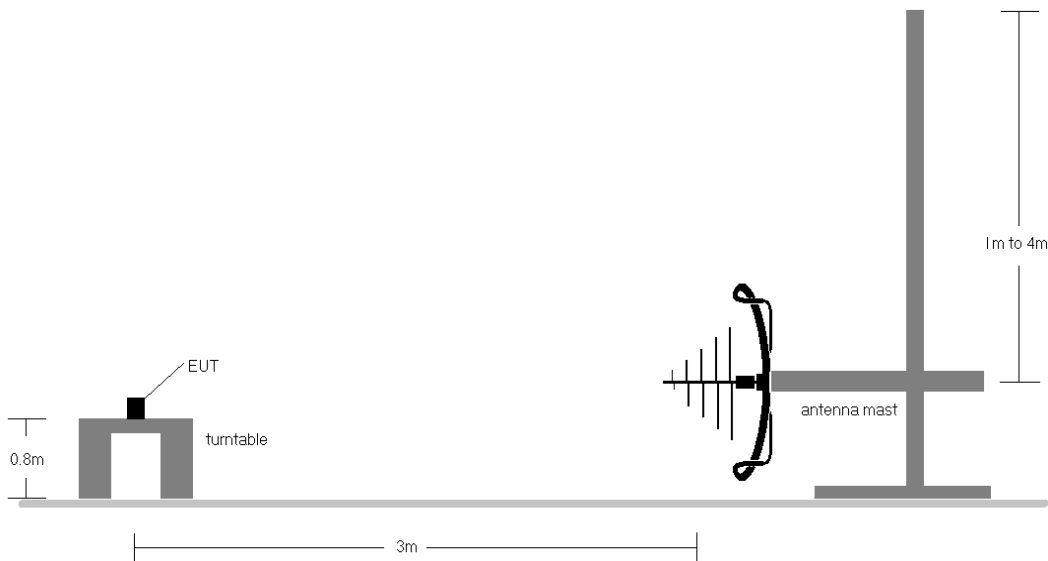


Figure 7-7. Test Instrument & Measurement Setup < 1GHz

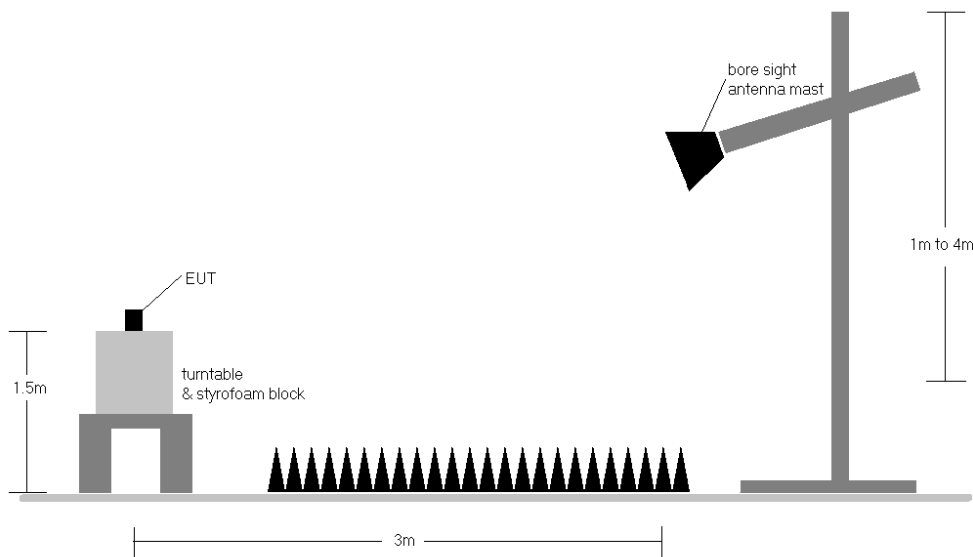


Figure 7-8. Test Instrument & Measurement Setup >1 GHz

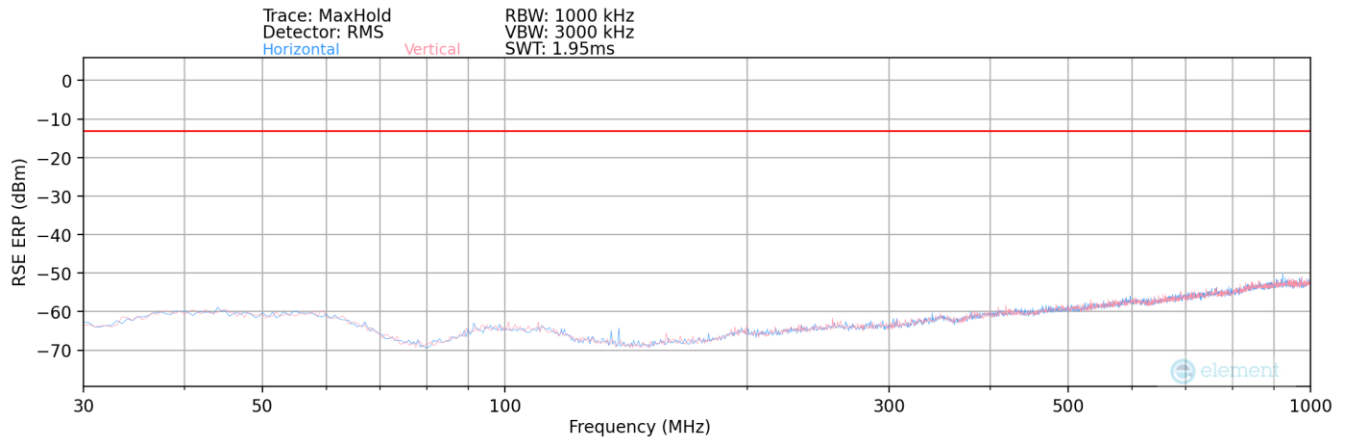
FCC ID: A3LSMA576U IC: 649E-SMA576W		PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
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Test Notes

- 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.
- 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.

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GSM/GPRS PCS – Ant1

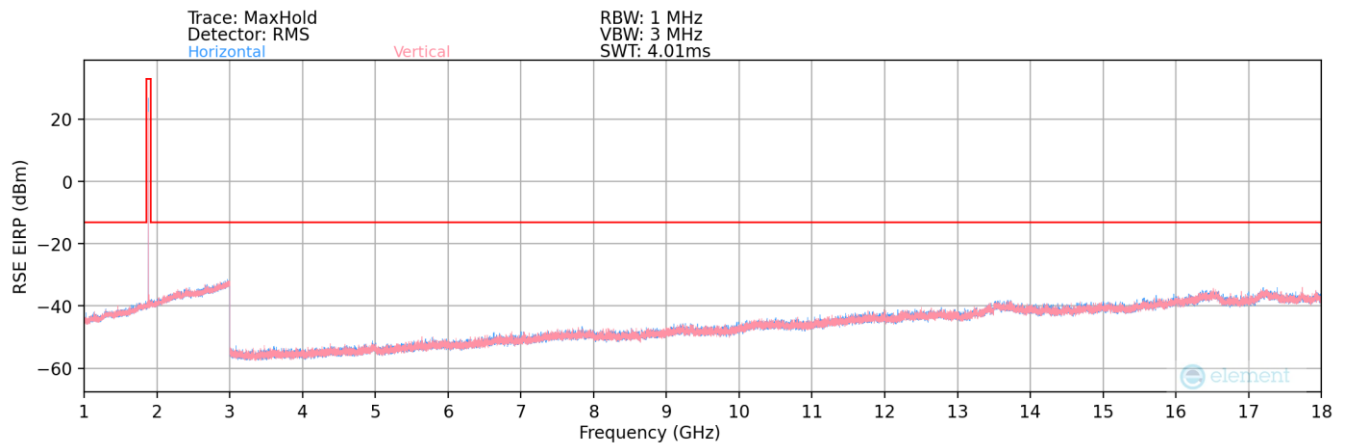


Plot 7-189. Radiated Spurious Plot – Below 1GHz (GPRS PCS - Ant1)

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]
135.00	H	-	-	-70.92	-16.75	19.33	-78.08	-13.00	-65.08

Table 7-26. Radiated Spurious Data (GPRS PCS – Mid Channel - Ant1)



Plot 7-190. Radiated Spurious Plot – Above 1GHz (GPRS PCS - Ant1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 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	-	-	-70.07	7.66	44.59	-50.67	-13.00	-37.67
5550.60	H	234	346	-68.84	11.43	49.59	-45.67	-13.00	-32.67
7400.80	H	-	-	-72.05	14.96	49.91	-45.35	-13.00	-32.35
9251.00	H	-	-	-73.58	17.52	50.94	-44.32	-13.00	-31.32
11101.20	H	-	-	-74.92	21.00	53.08	-42.17	-13.00	-29.17

Table 7-27. 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	-	-	-70.38	7.88	44.50	-50.76	-13.00	-37.76
5640.00	H	224	350	-68.58	11.47	49.89	-45.36	-13.00	-32.36
7520.00	H	-	-	-72.86	15.55	49.69	-45.57	-13.00	-32.57
9400.00	H	-	-	-73.98	17.77	50.79	-44.46	-13.00	-31.46
11280.00	H	-	-	-74.23	21.15	53.92	-41.34	-13.00	-28.34

Table 7-28. Radiated Spurious Data (GPRS PCS – Mid Channel - Ant1)

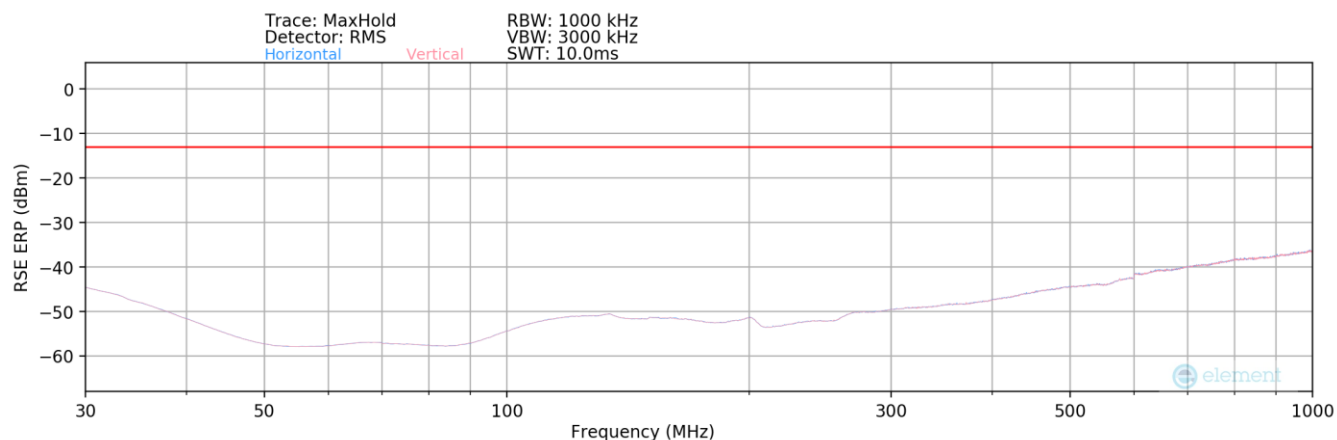
Mode:	GPRS 1 Tx Slot
Channel:	810
Frequency (MHz):	1909.8

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	-	-	-70.73	7.90	44.17	-51.09	-13.00	-38.09
5729.40	H	229	344	-70.67	11.62	47.95	-47.30	-13.00	-34.30
7639.20	H	-	-	-72.67	15.73	50.06	-45.20	-13.00	-32.20
9549.00	H	-	-	-74.44	18.37	50.93	-44.33	-13.00	-31.33
11458.80	H	-	-	-74.16	21.10	53.94	-41.32	-13.00	-28.32

Table 7-29. Radiated Spurious Data (GPRS PCS – High Channel - Ant1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 MEASUREMENT REPORT		Approved by: Technical Manager
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WCDMA PCS – Ant1

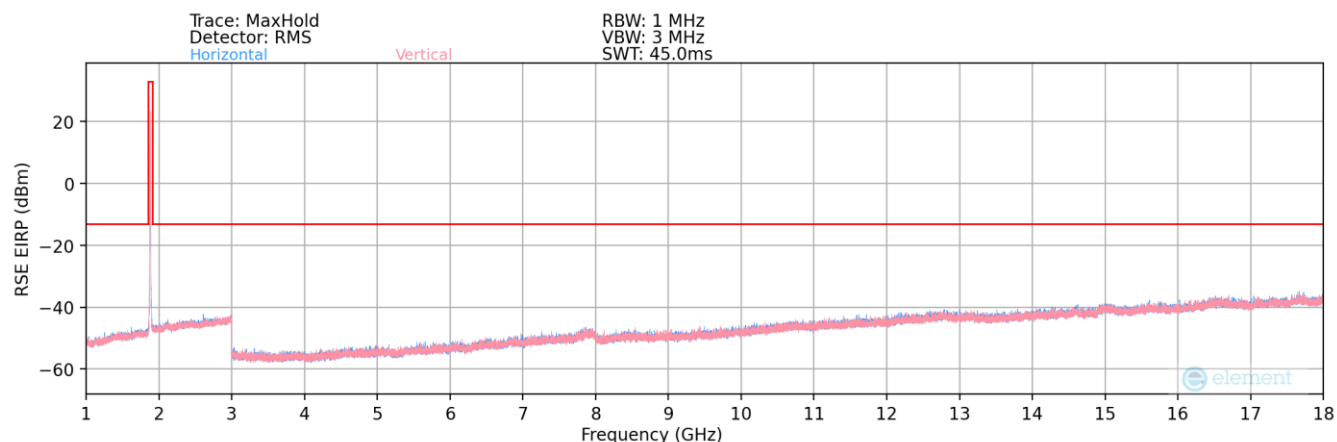


Plot 7-191. Radiated Spurious Plot – Below 1GHz (WCDMA PCS - Ant1)

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]
150.00	H	129	284	-108.93	19.70	17.77	-79.64	-13.00	-66.64

Table 7-30. Radiated Spurious Data (WCDMA PCS – Mid Channel - Ant1)



Plot 7-192. Radiated Spurious Plot – Above 1GHz (WCDMA PCS - Ant1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 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	H	-	-	-78.82	5.32	33.50	-61.76	-13.00	-48.76
5557.20	H	-	-	-79.61	8.65	36.04	-59.22	-13.00	-46.22
7409.60	H	-	-	-80.49	12.73	39.24	-56.02	-13.00	-43.02

Table 7-31. 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	H	-	-	-78.90	5.64	33.74	-61.52	-13.00	-48.52
5640.00	H	-	-	-79.45	8.23	35.78	-59.48	-13.00	-46.48
7520.00	H	-	-	-80.69	12.93	39.24	-56.02	-13.00	-43.02

Table 7-32. Radiated Spurious Data (WCDMA PCS – Mid Channel - Ant1)

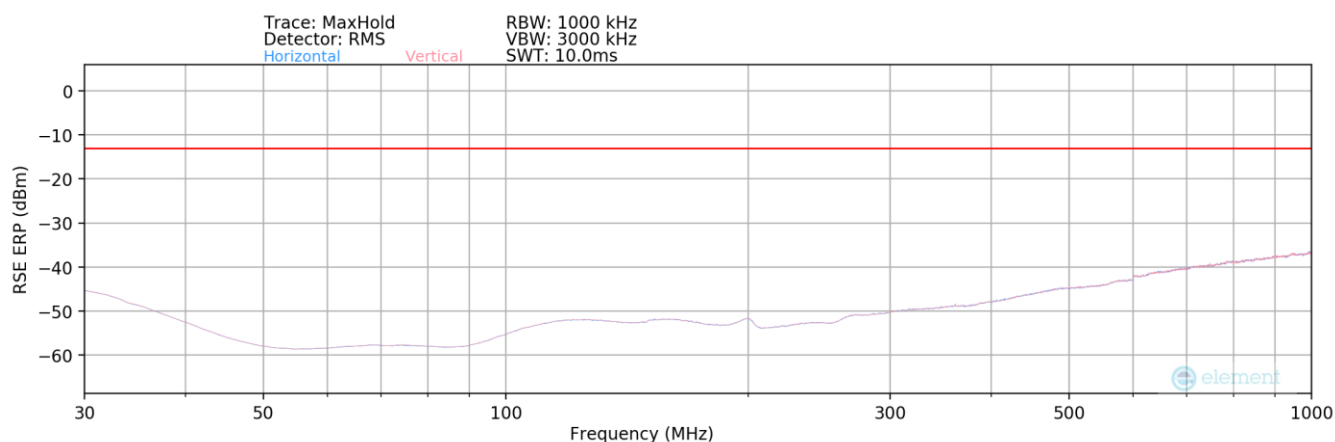
Mode:	WCDMA RMC
Channel:	9538
Frequency (MHz):	1907.6

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	H	-	-	-79.08	5.86	33.78	-61.48	-13.00	-48.48
5722.80	H	-	-	-79.66	8.55	35.89	-59.36	-13.00	-46.36
7630.40	H	-	-	-80.17	12.61	39.44	-55.82	-13.00	-42.82

Table 7-33. Radiated Spurious Data (WCDMA PCS – High Channel - Ant1)

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LTE Band 25/2 – Ant1

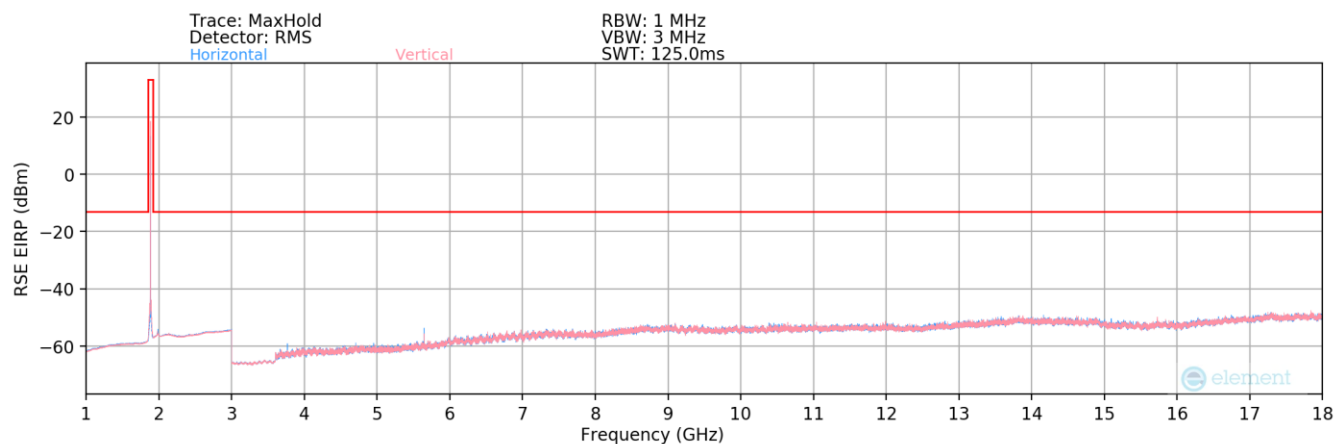


Plot 7-193. Radiated Spurious Plot – Below 1GHz(LTE Band 25/2 - Ant1)

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]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
200.00	H	-	-	-85.61	20.10	41.49	-55.91	-13.00	-42.91

Table 7-34. Radiated Spurious Data (LTE Band 25/2 – Mid Channel - Ant1)



Plot 7-194. Radiated Spurious Plot – Above 1GHz (LTE Band 25/2 - Ant1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 24 RSS-133 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	131	236	-69.63	1.10	38.47	-56.78	-13.00	-43.78
5580.00	H	326	309	-70.73	4.26	40.53	-54.73	-13.00	-41.73
7440.00	H	-	-	-79.34	9.31	36.97	-58.29	-13.00	-45.29
9300.00	H	-	-	-79.75	11.83	39.08	-56.18	-13.00	-43.18
11160.00	H	-	-	-80.61	12.44	38.83	-56.42	-13.00	-43.42

Table 7-35. 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	H	397	239	-75.77	0.99	32.22	-63.04	-13.00	-50.04
5647.50	H	337	327	-67.83	4.53	43.70	-51.56	-13.00	-38.56
7530.00	H	-	-	-79.23	9.56	37.33	-57.92	-13.00	-44.92
9412.50	H	-	-	-80.64	12.18	38.54	-56.71	-13.00	-43.71
11295.00	H	-	-	-80.73	12.85	39.12	-56.14	-13.00	-43.14

Table 7-36. 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	H	314	305	-70.52	0.96	37.44	-57.82	-13.00	-44.82
5715.00	H	211	346	-70.96	4.47	40.51	-54.75	-13.00	-41.75
7620.00	H	-	-	-79.71	9.58	36.87	-58.38	-13.00	-45.38
9525.00	H	-	-	-80.83	11.91	38.08	-57.18	-13.00	-44.18
11430.00	H	-	-	-80.95	13.06	39.11	-56.14	-13.00	-43.14

Table 7-37. Radiated Spurious Data (LTE Band 25/2 – High Channel - Ant1)

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