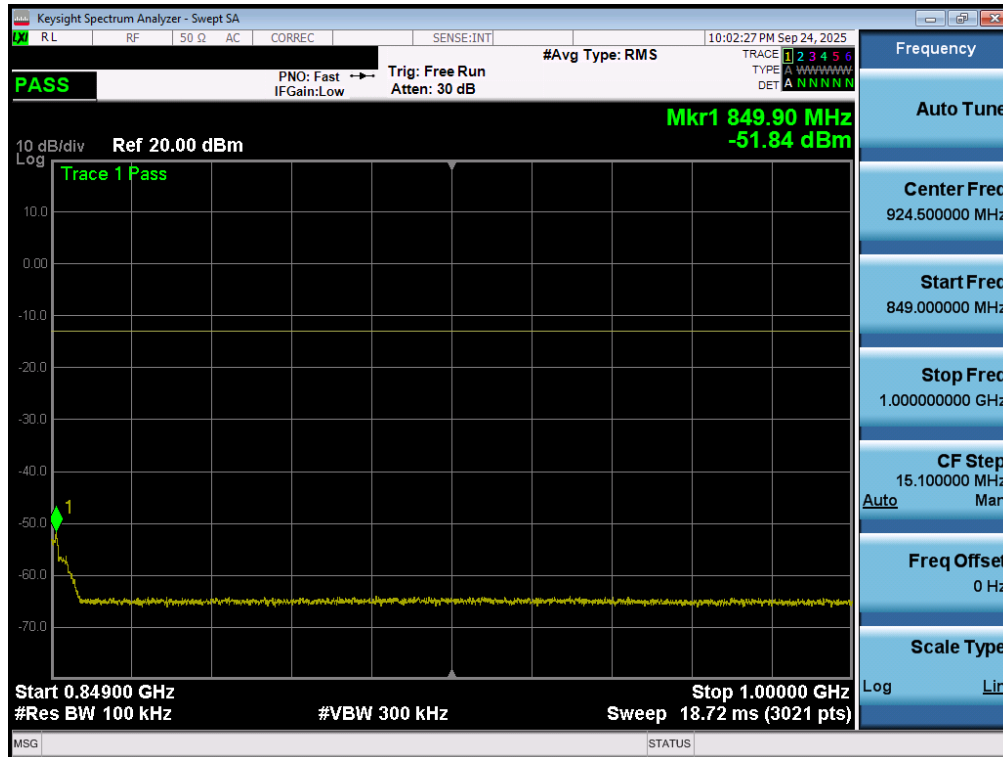
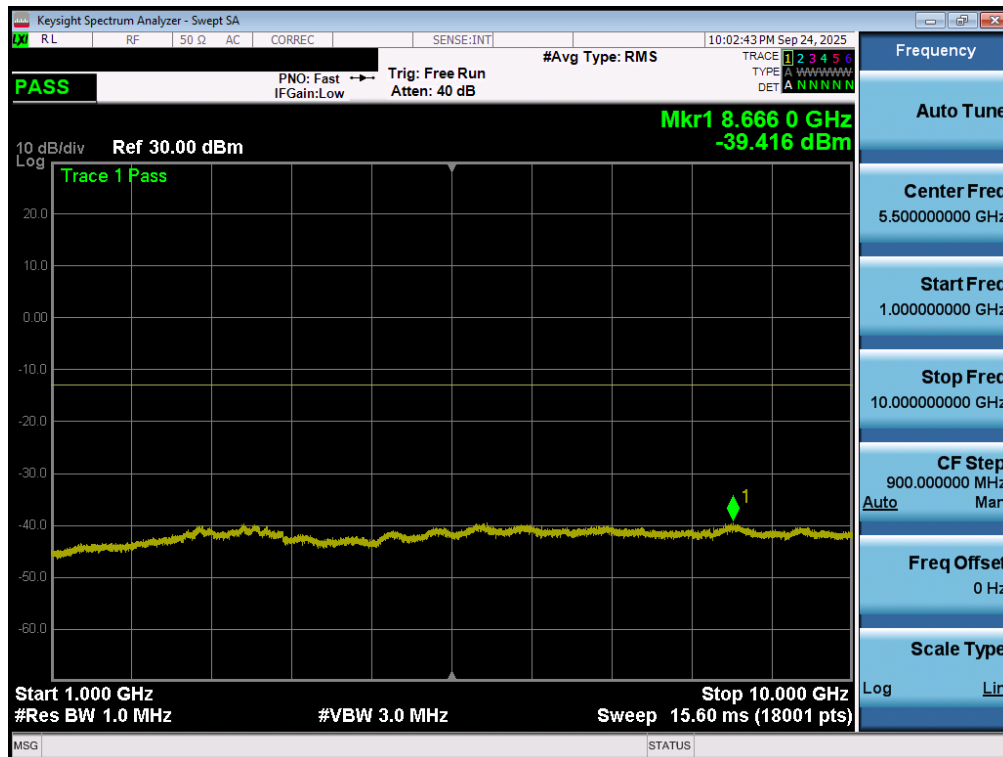


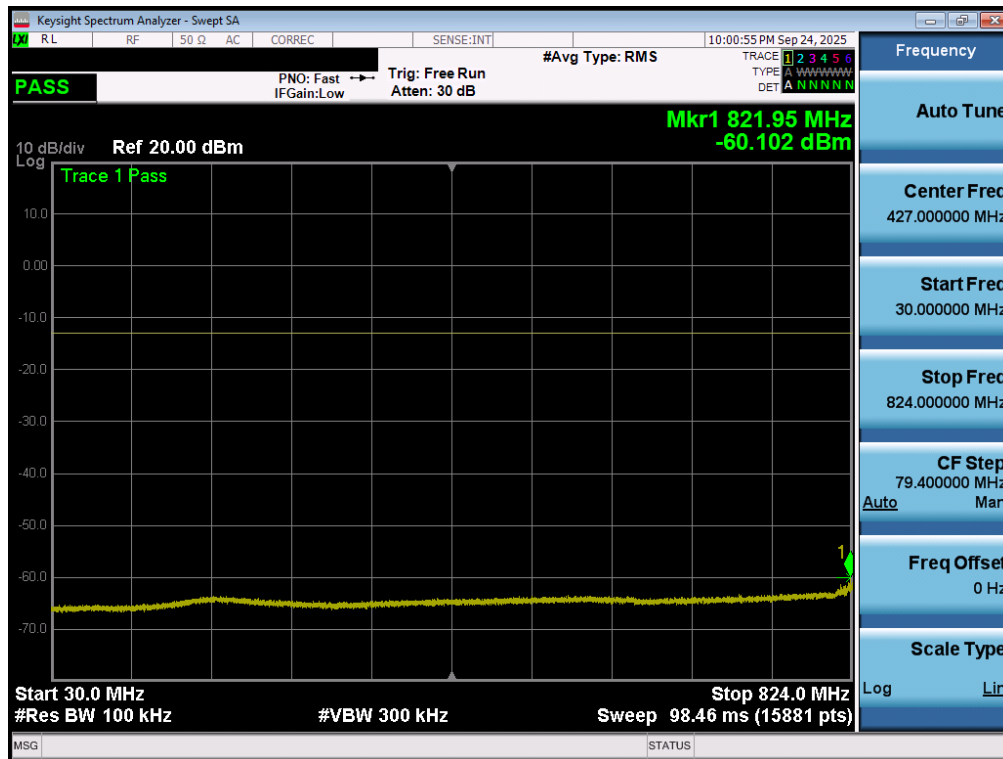


Plot 7-82. Conducted Spurious Plot (WCDMA Ch. 4183 – Ant1)

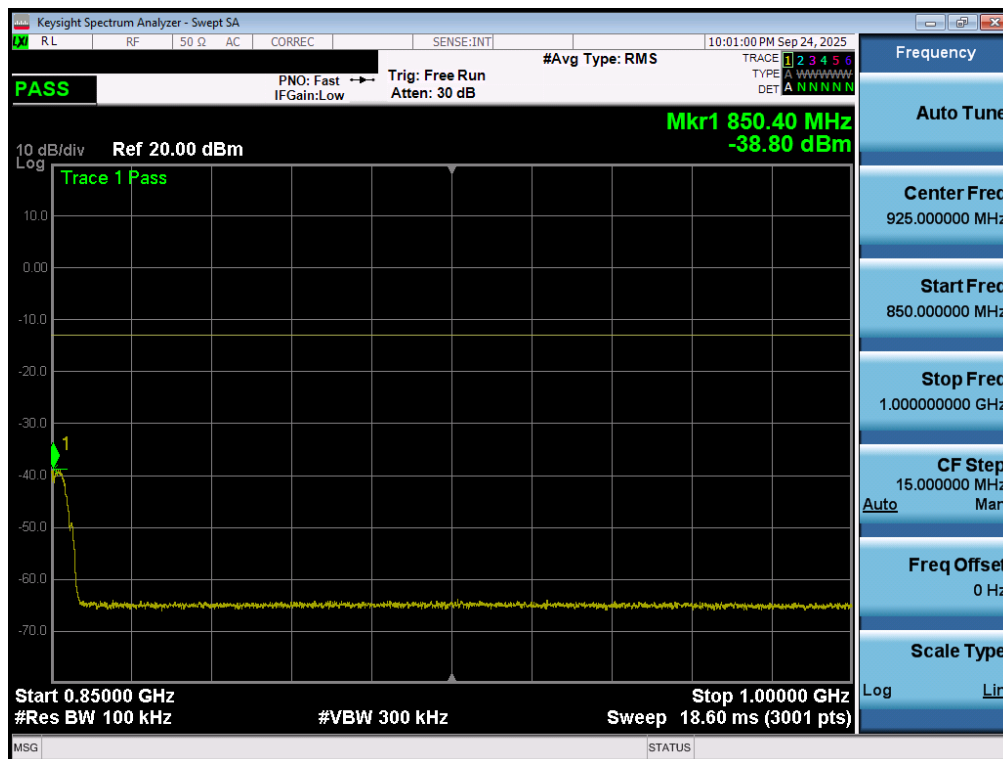


Plot 7-83. Conducted Spurious Plot (WCDMA Ch. 4183 – Ant1)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 69 of 178

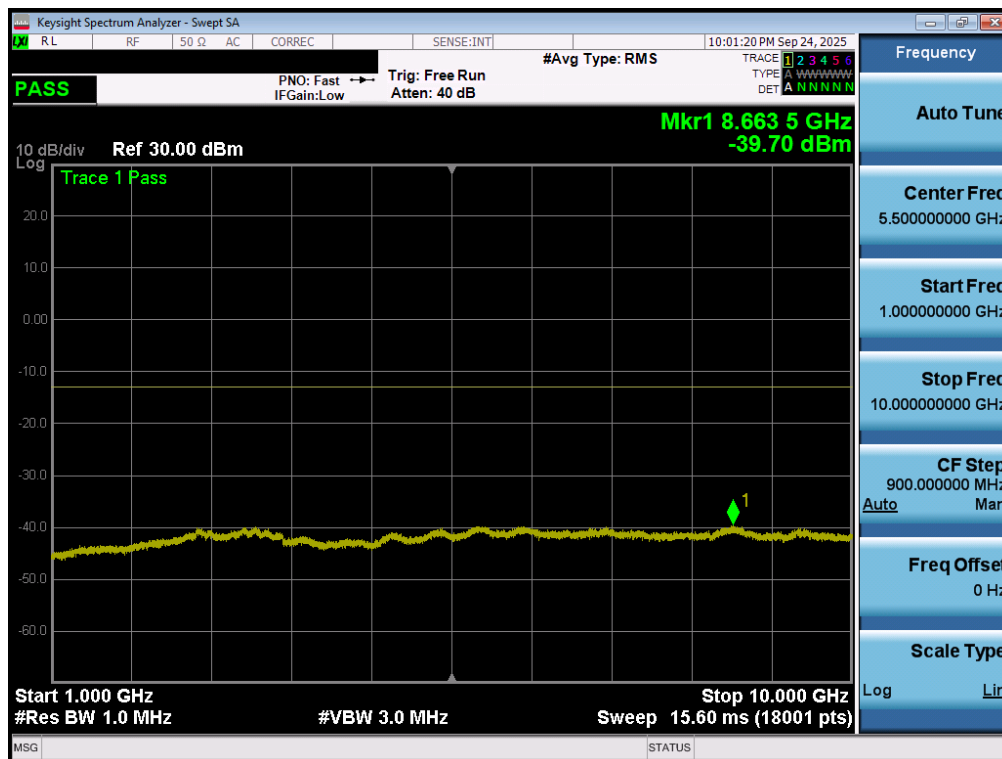


Plot 7-84. Conducted Spurious Plot (WCDMA Ch. 4233 – Ant1)



Plot 7-85. Conducted Spurious Plot (WCDMA Ch. 4233 – Ant1)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 70 of 178



Plot 7-86. Conducted Spurious Plot (WCDMA Ch. 4233 – Ant1)

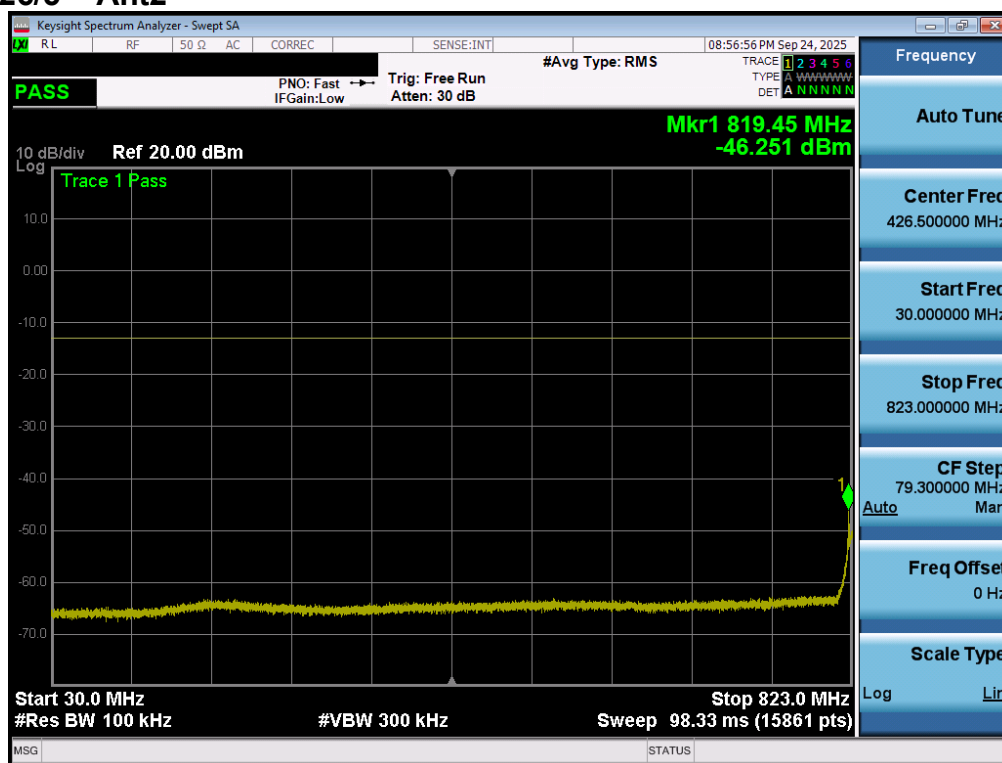
FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 71 of 178

Mode	Bandwidth	Channel	Range [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]
GSM-Cell	250kHz	Low	30.0 - 823.0	-53.18	-13.0	-40.18
		Low	849.0 - 1000.0	-54.39	-13.0	-41.39
		Low	1000.0 - 10000.0	-65.30	-13.0	-52.30
		Mid	30.0 - 824.0	-54.24	-13.0	-41.24
		Mid	849.0 - 1000.0	-54.30	-13.0	-41.30
		Mid	1000.0 - 10000.0	-65.54	-13.0	-52.54
		High	30.0 - 824.0	-54.57	-13.0	-41.56
		High	850.0 - 1000.0	-54.44	-13.0	-41.44
		High	1000.0 - 10000.0	-65.77	-13.0	-52.77
WCDMA-Cell	5MHz	Low	30.0 - 823.0	-29.65	-13.0	-16.65
		Low	849.0 - 1000.0	-63.53	-13.0	-50.53
		Low	1000.0 - 10000.0	-39.31	-13.0	-26.31
		Mid	30.0 - 824.0	-49.33	-13.0	-36.33
		Mid	849.0 - 1000.0	-51.56	-13.0	-38.56
		Mid	1000.0 - 10000.0	-39.56	-13.0	-26.56
		High	30.0 - 824.0	-61.06	-13.0	-48.06
		High	850.0 - 1000.0	-35.91	-13.0	-22.91
		High	1000.0 - 10000.0	-39.63	-13.0	-26.63
LTE-B26-5	15MHz	Low	30.0 - 823.0	-46.25	-13.0	-33.25
		Low	849.0 - 1000.0	-58.32	-13.0	-45.32
		Low	1000.0 - 10000.0	-43.63	13.0	-56.63
		Mid	30.0 - 824.0	-49.64	-13.0	-36.64
		Mid	849.0 - 1000.0	-49.99	-13.0	-36.99
		Mid	1000.0 - 10000.0	-42.90	-13.0	-29.90
		High	30.0 - 824.0	-60.72	-13.0	-47.72
		High	850.0 - 1000.0	-46.27	-13.0	-33.27
		High	1000.0 - 10000.0	-41.90	-13.0	-28.90
NR-n26-5	20MHz	Low	30.0 - 824.0	-45.89	-13.0	-32.89
		Low	849.0 - 1000.0	-49.30	-13.0	-36.30
		Low	1000.0 - 10000.0	-47.08	-13.0	-34.08
		Mid	30.0 - 824.0	-45.64	-13.0	-32.64
		Mid	849.0 - 1000.0	-46.60	-13.0	-33.60
		Mid	1000.0 - 10000.0	-46.47	-13.0	-33.47
		High	30.0 - 824.0	-51.71	-13.0	-38.71
		High	849.0 - 1000.0	-45.92	-13.0	-32.92
		High	1000.0 - 10000.0	-46.77	-13.0	-33.77

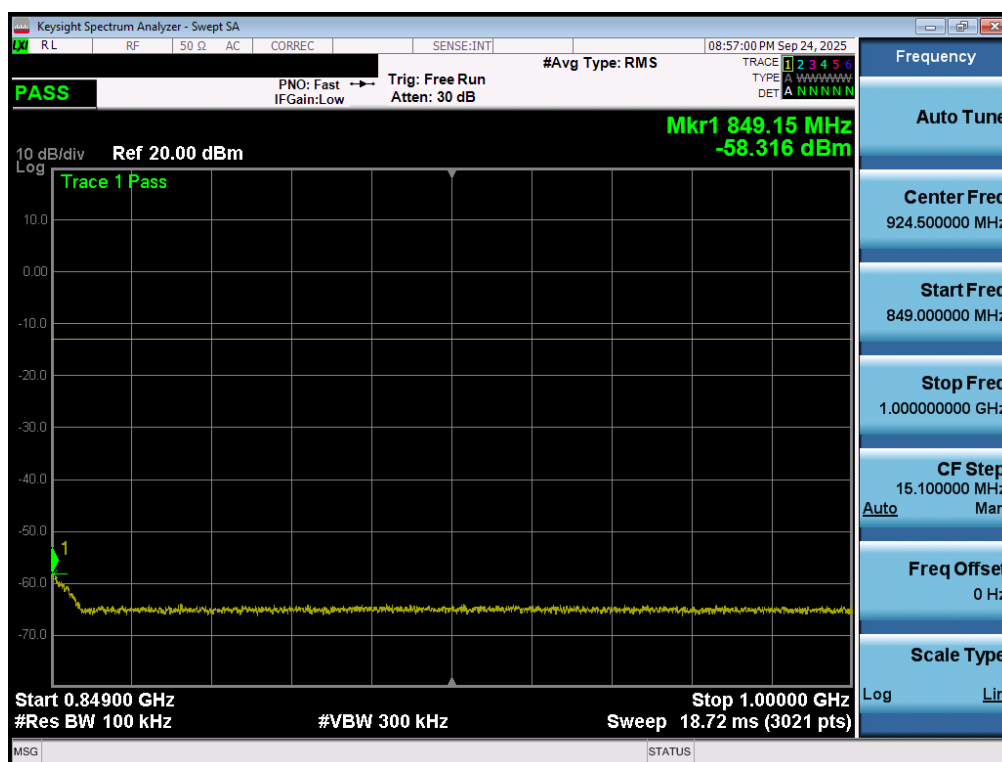
Table 7-8. Conducted Emission Test Results – Ant2

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 72 of 178

LTE Band 26/5 – Ant2

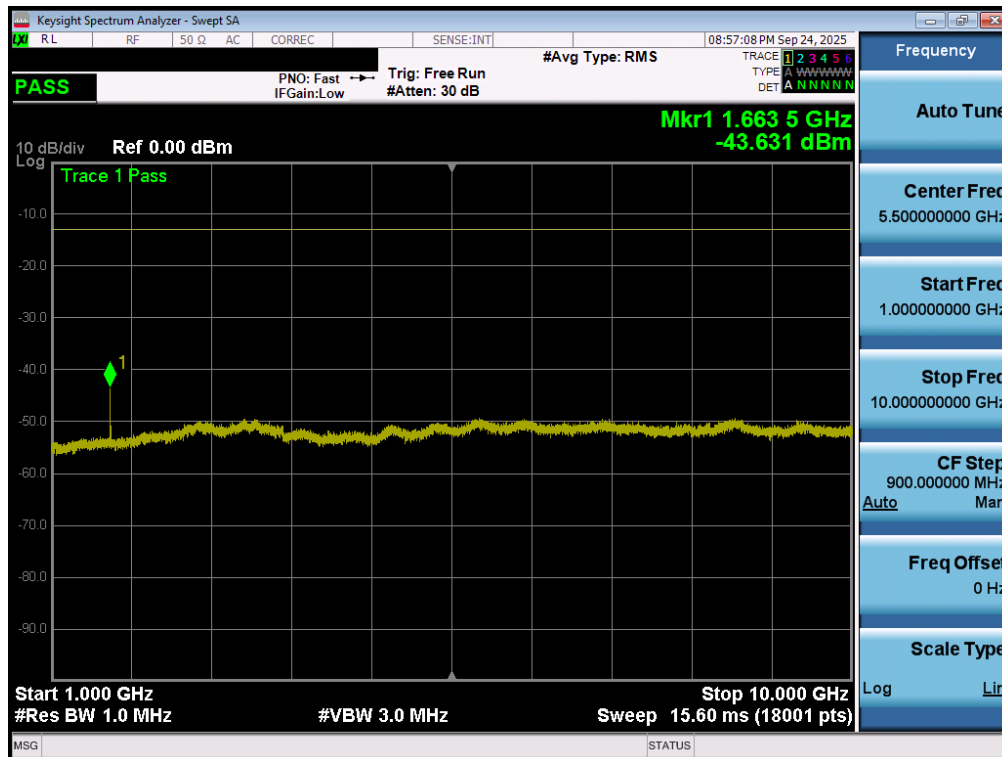


Plot 7-87. Conducted Spurious Plot (LTE Band 26/5 - 10MHz QPSK – 1 RB - Low Channel – Ant2)

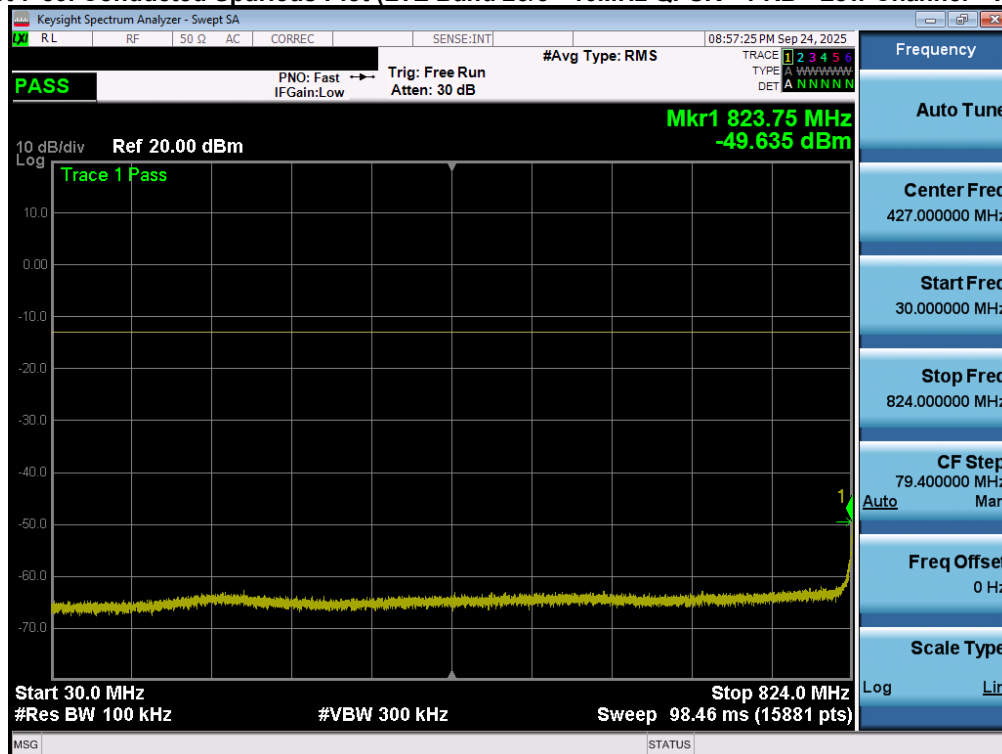


Plot 7-88. Conducted Spurious Plot (LTE Band 26/5 - 10MHz QPSK - 1 RB - Low Channel – Ant2)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 73 of 178

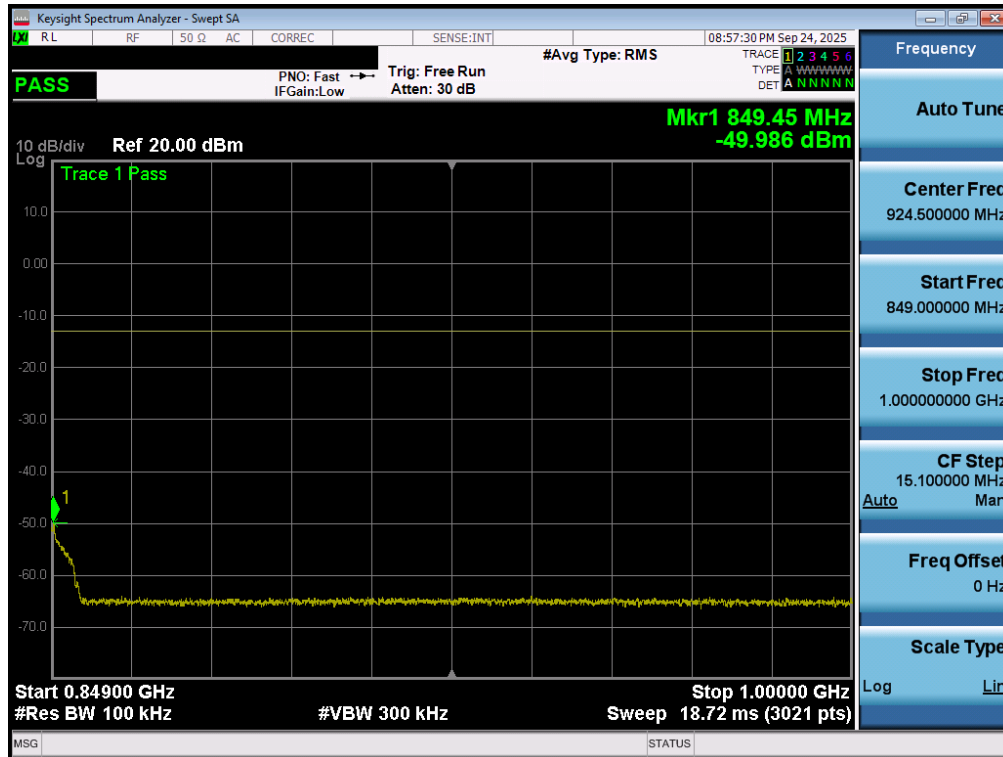


Plot 7-89. Conducted Spurious Plot (LTE Band 26/5 - 10MHz QPSK - 1 RB - Low Channel – Ant2)

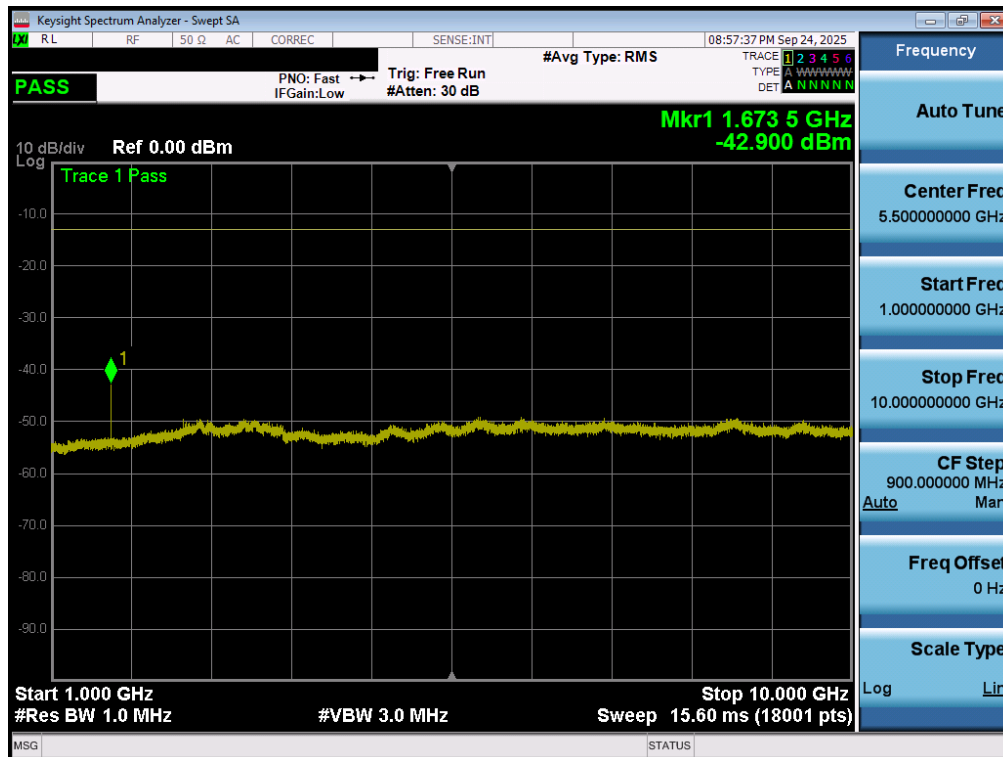


Plot 7-90. Conducted Spurious Plot (LTE Band 26/5 - 10MHz QPSK - 1 RB - Mid Channel – Ant2)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 74 of 178

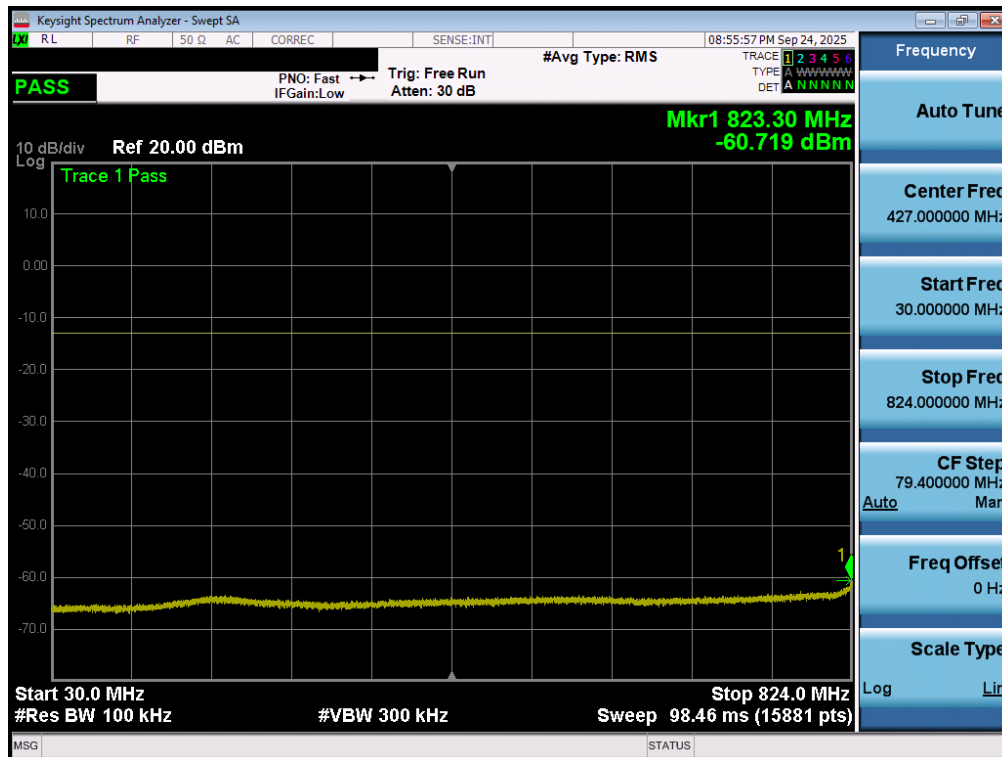


Plot 7-91. Conducted Spurious Plot (LTE Band 26/5 - 10MHz QPSK - 1 RB - Mid Channel – Ant2)

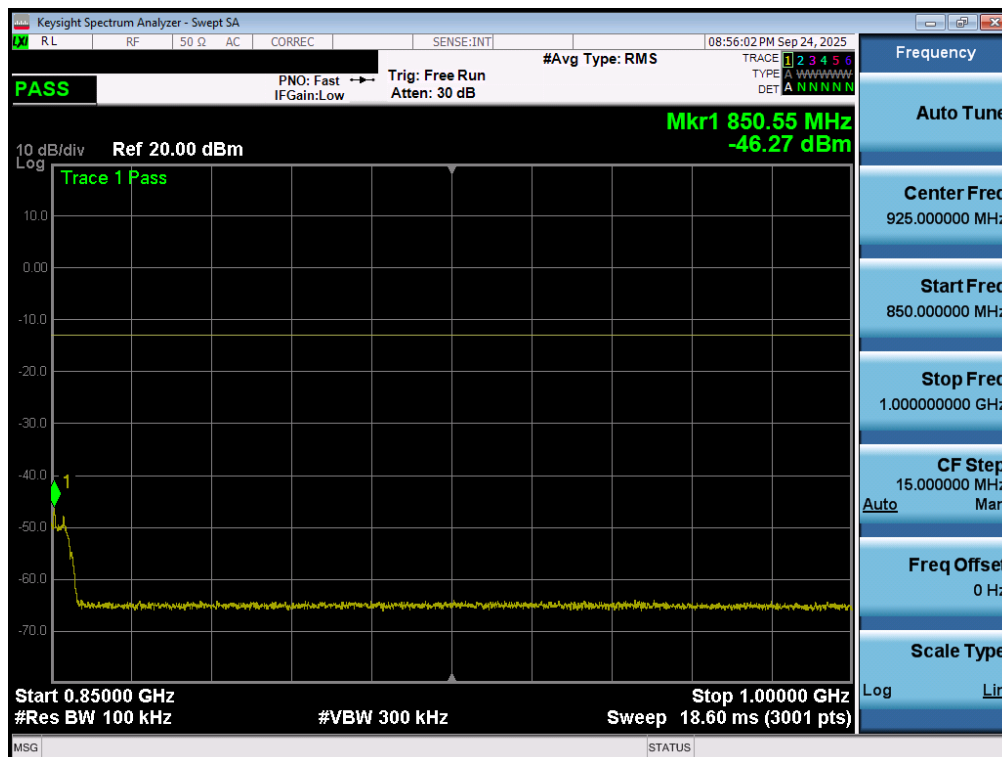


Plot 7-92. Conducted Spurious Plot (LTE Band 26/5 - 10MHz QPSK - 1 RB - Mid Channel – Ant2)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 75 of 178

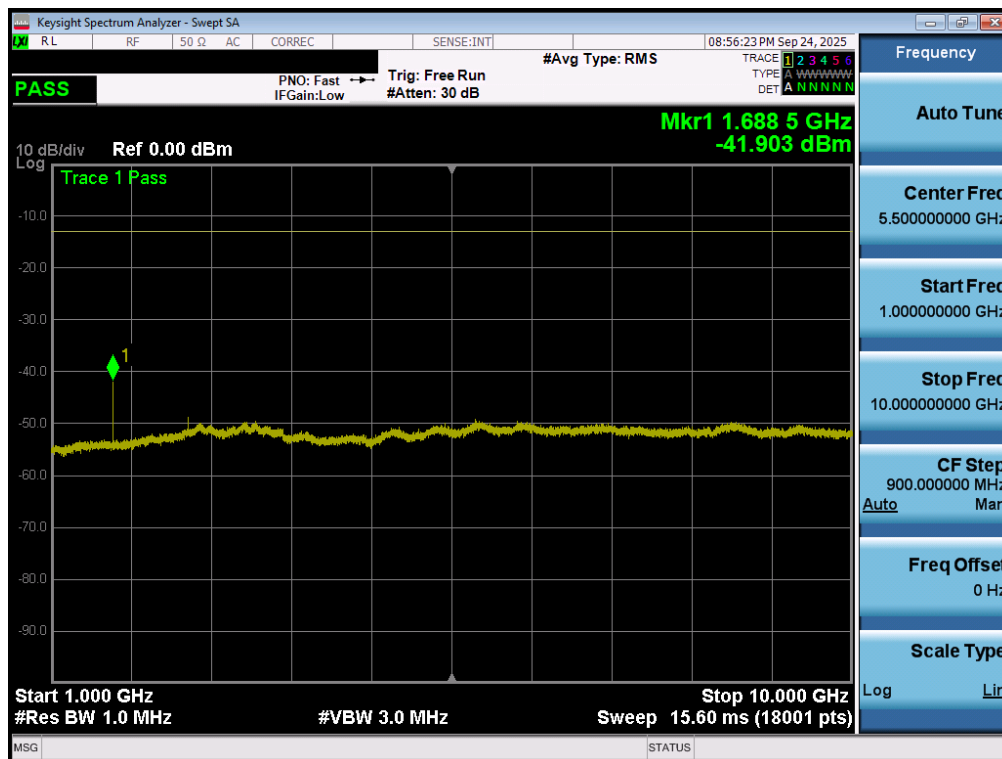


Plot 7-93. Conducted Spurious Plot (LTE Band 26/5 - 10MHz QPSK - 1 RB - High Channel – Ant2)



Plot 7-94. Conducted Spurious Plot (LTE Band 26/5 - 10MHz QPSK - 1 RB - High Channel – Ant2)

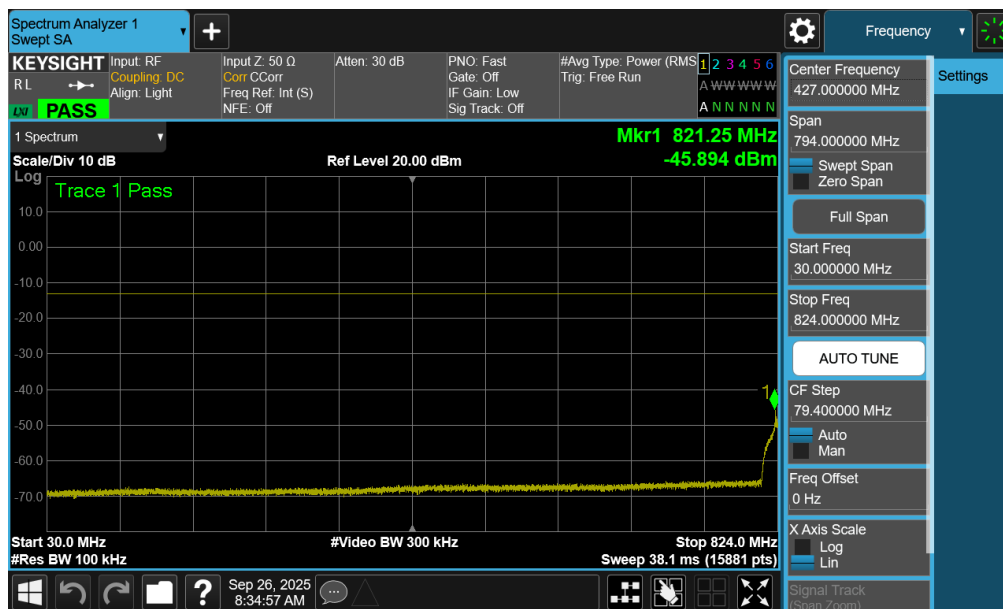
FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 76 of 178



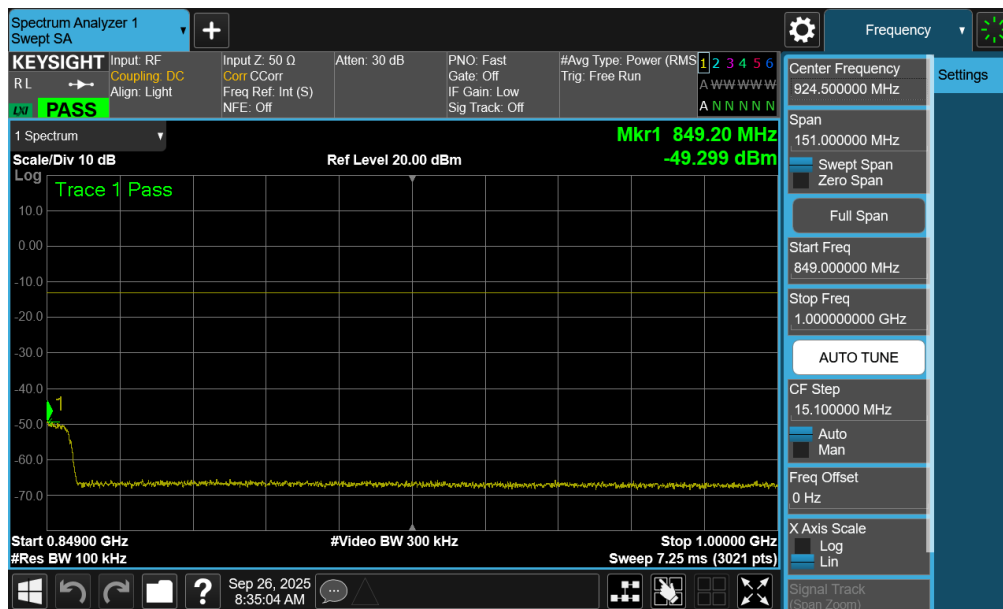
Plot 7-95. Conducted Spurious Plot (LTE Band 26/5 - 10MHz QPSK - 1 RB - High Channel – Ant2)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 77 of 178

NR Band n26/5 – Ant2

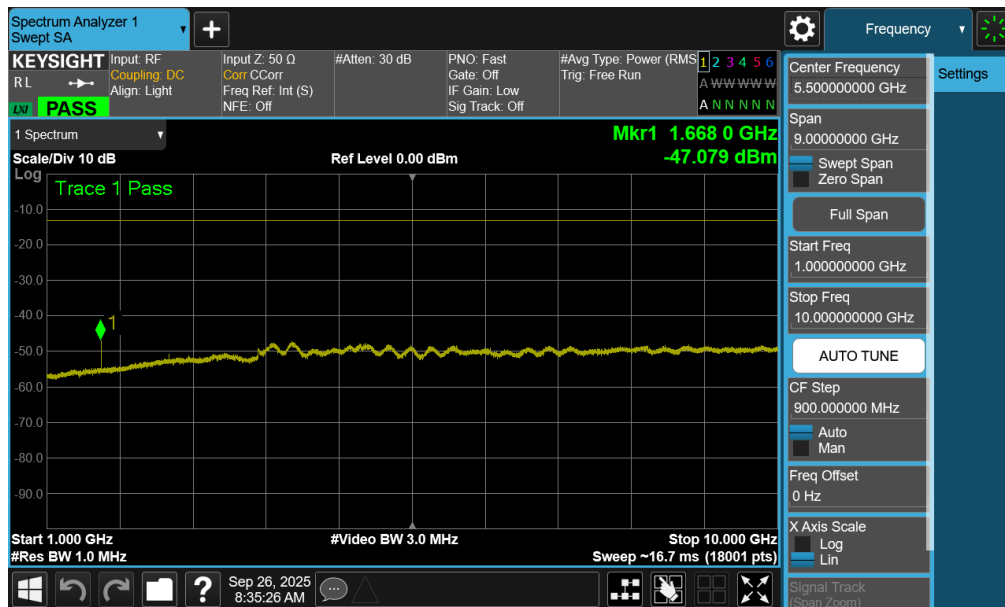


Plot 7-96. Conducted Spurious Plot (NR Band n26/5 - 20.0MHz - 1 RB - Low Channel - Ant2)



Plot 7-97. Conducted Spurious Plot (NR Band n26/5 - 20.0MHz - 1 RB - Low Channel - Ant2)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 78 of 178

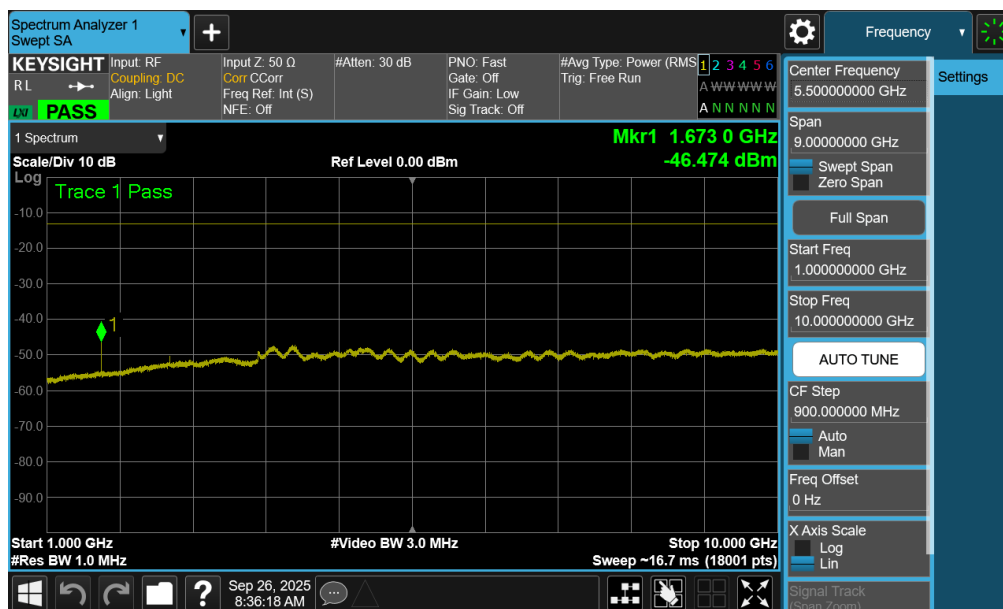
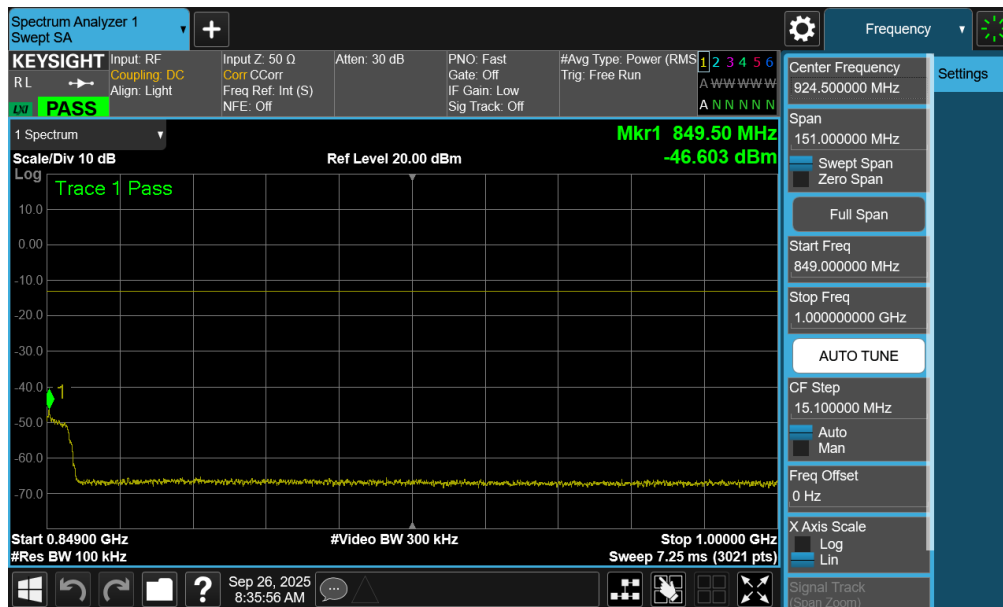


Plot 7-98. Conducted Spurious Plot (NR Band n26/5 - 20.0MHz - 1 RB - Low Channel - Ant2)

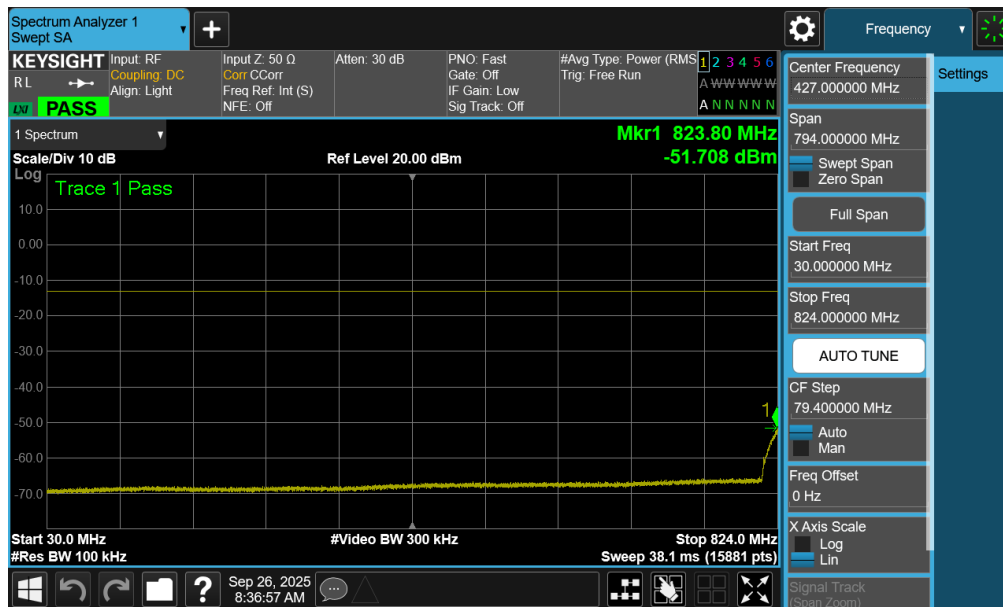


Plot 7-99. Conducted Spurious Plot (NR Band n26/5 - 20.0MHz - 1 RB - Mid Channel - Ant2)

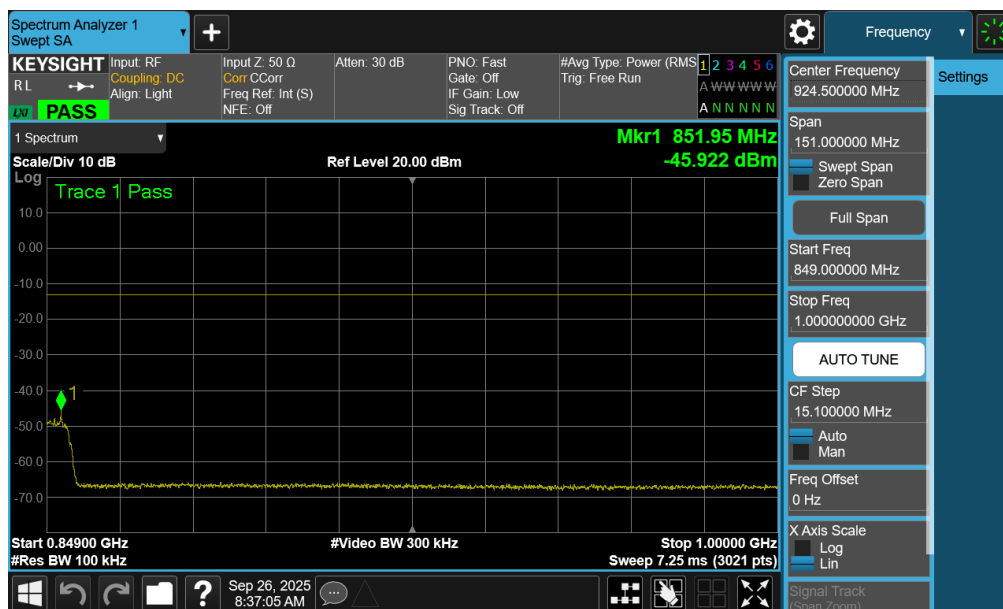
FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 79 of 178



FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 80 of 178

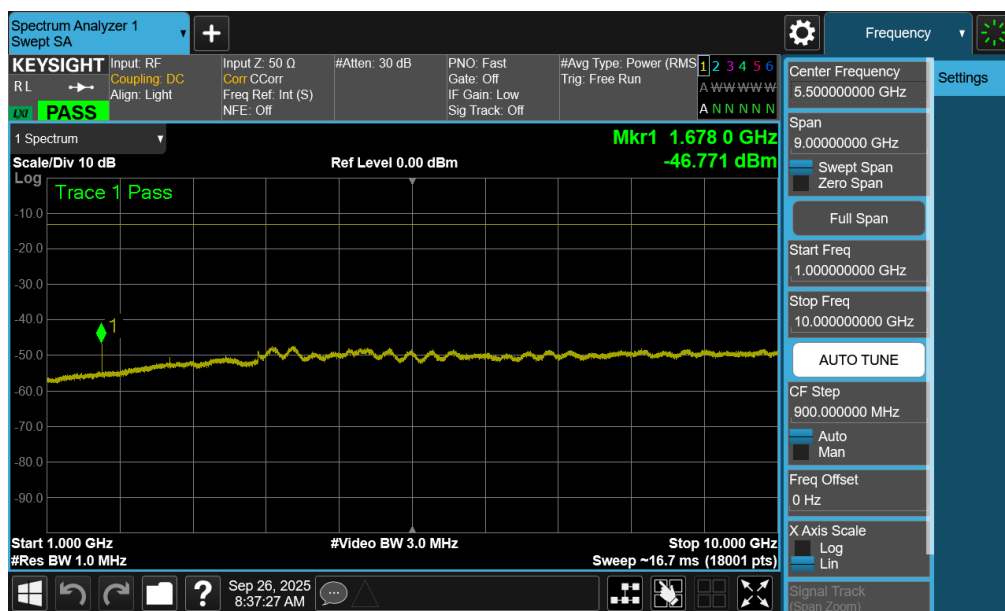


Plot 7-102. Conducted Spurious Plot (NR Band n26/5 - 20.0MHz - 1 RB - High Channel - Ant2)



Plot 7-103. Conducted Spurious Plot (NR Band n26/5 - 20.0MHz - 1 RB - High Channel - Ant2)

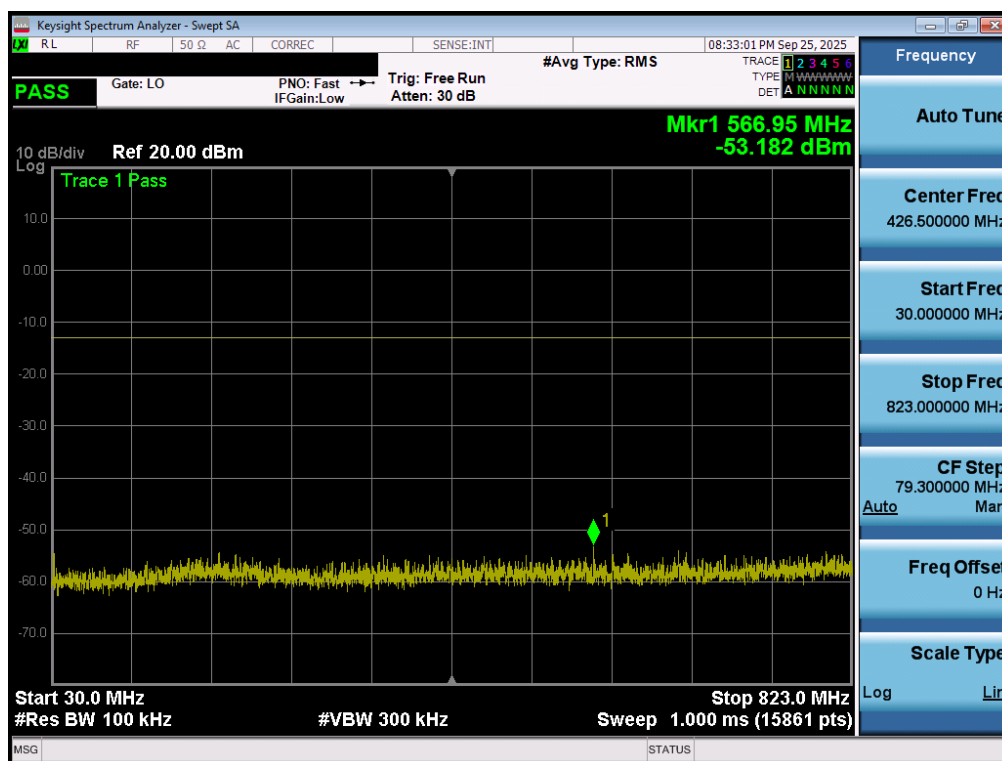
FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 81 of 178



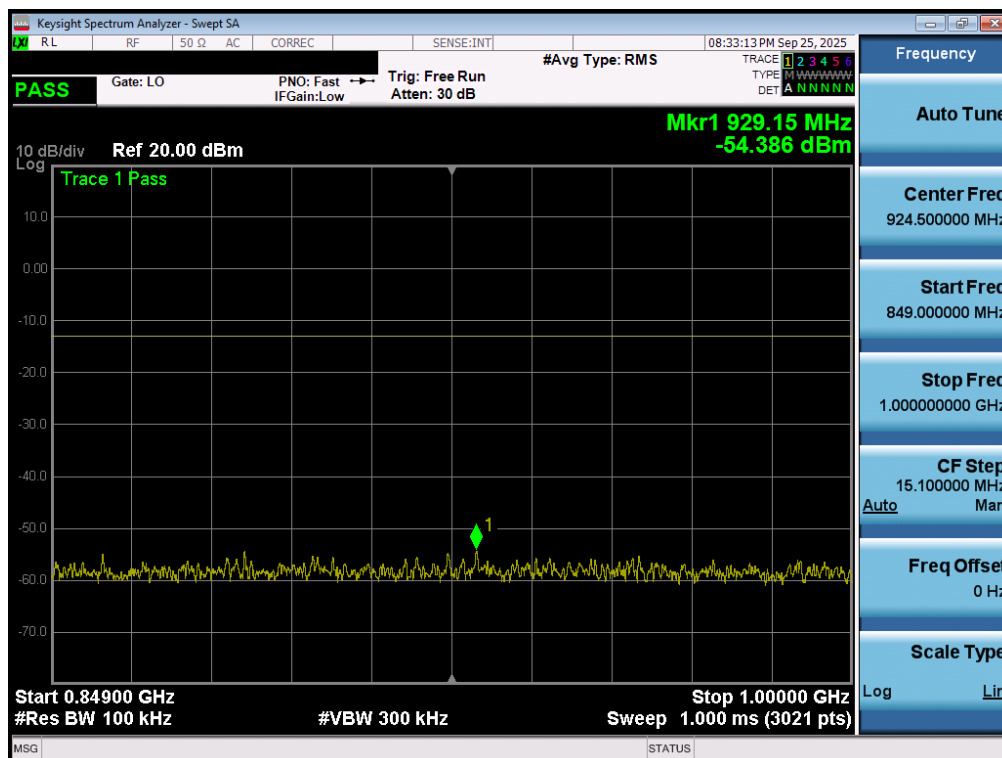
Plot 7-104. Conducted Spurious Plot (NR Band n26/5 - 20.0MHz - 1 RB - High Channel - Ant2)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 82 of 178

GSM/GPRS Cell – Ant2

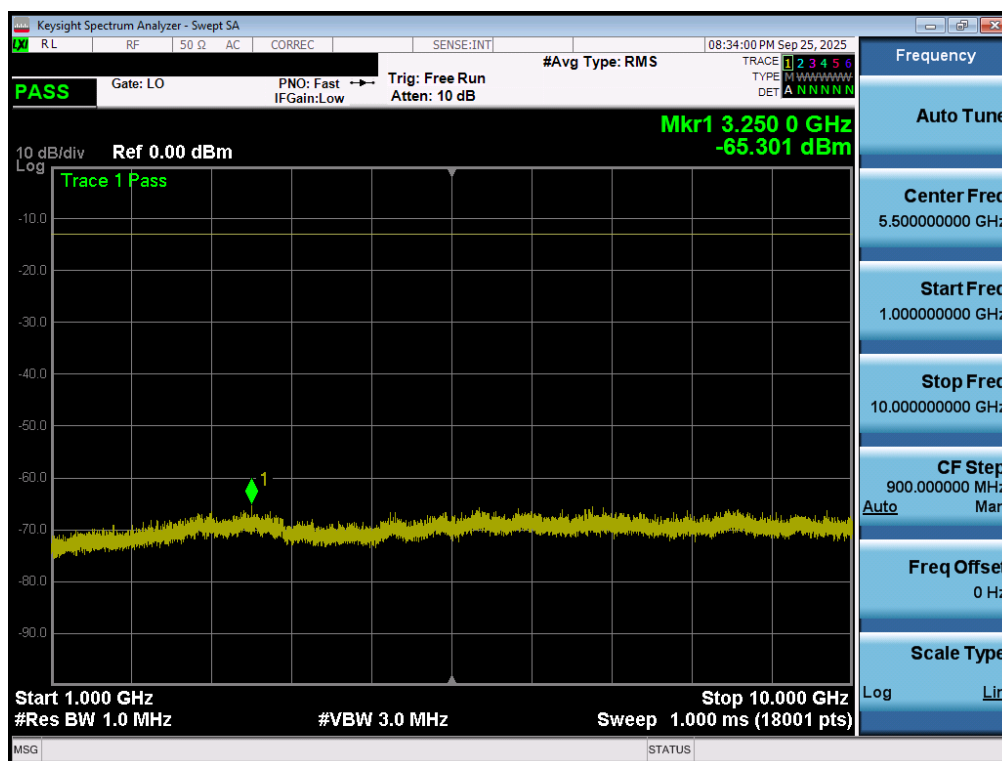


Plot 7-105. Conducted Spurious Plot (GPRS Ch. 128 – Ant2)

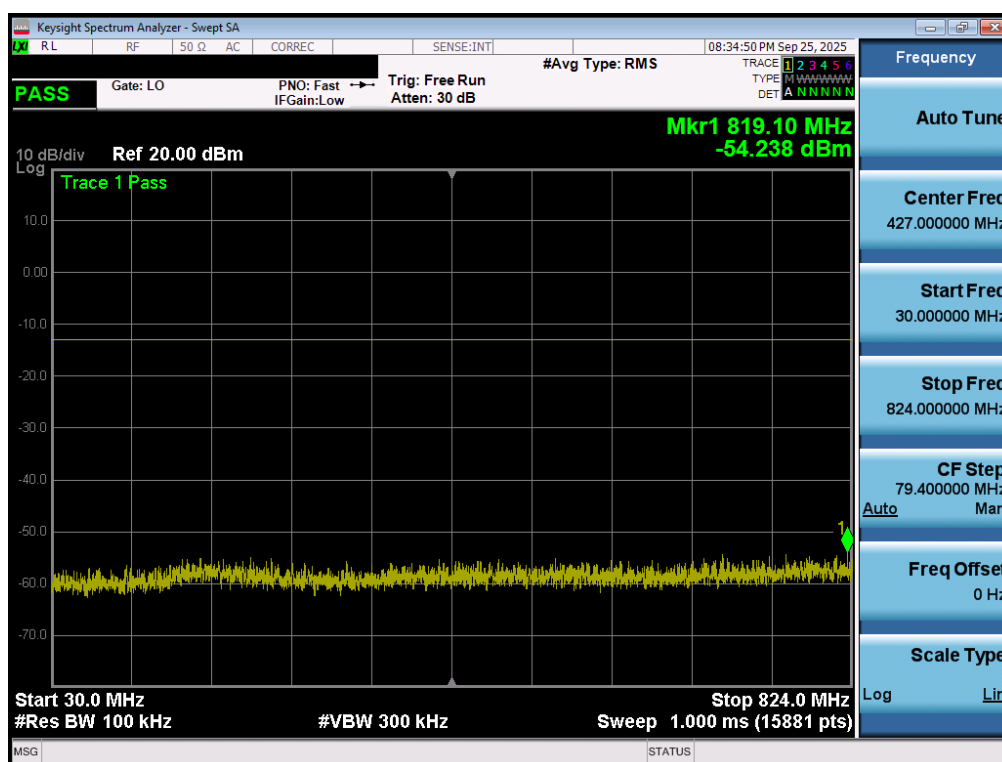


Plot 7-106. Conducted Spurious Plot (GPRS Ch. 128 – Ant2)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 83 of 178

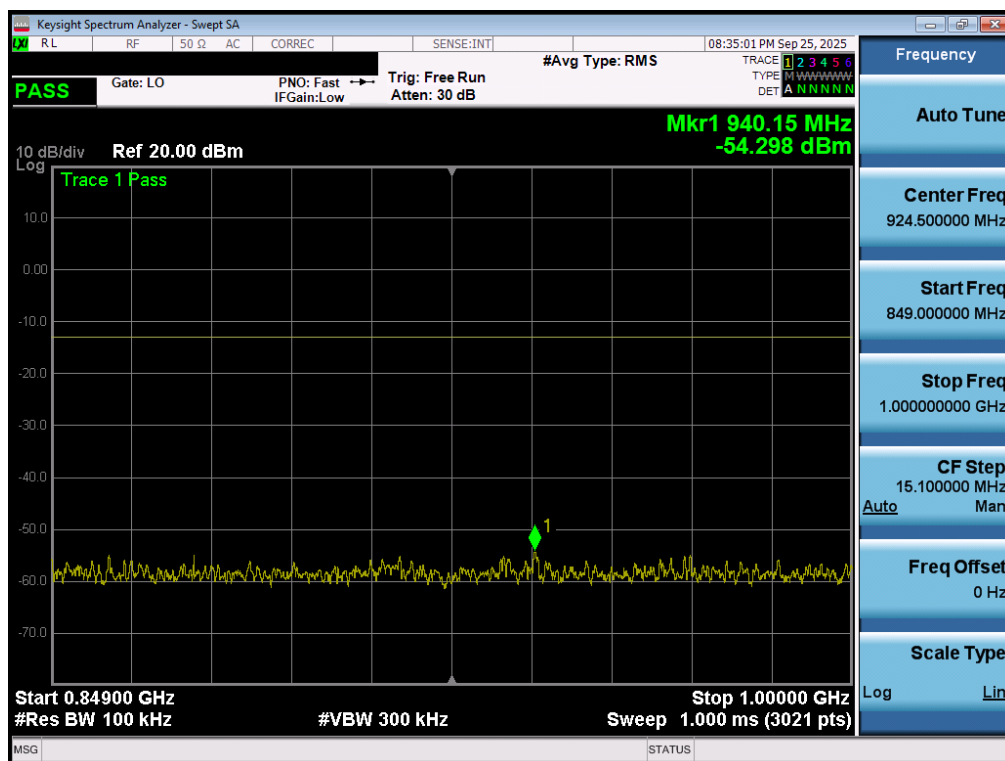


Plot 7-107. Conducted Spurious Plot (GPRS Ch. 128 – Ant2)

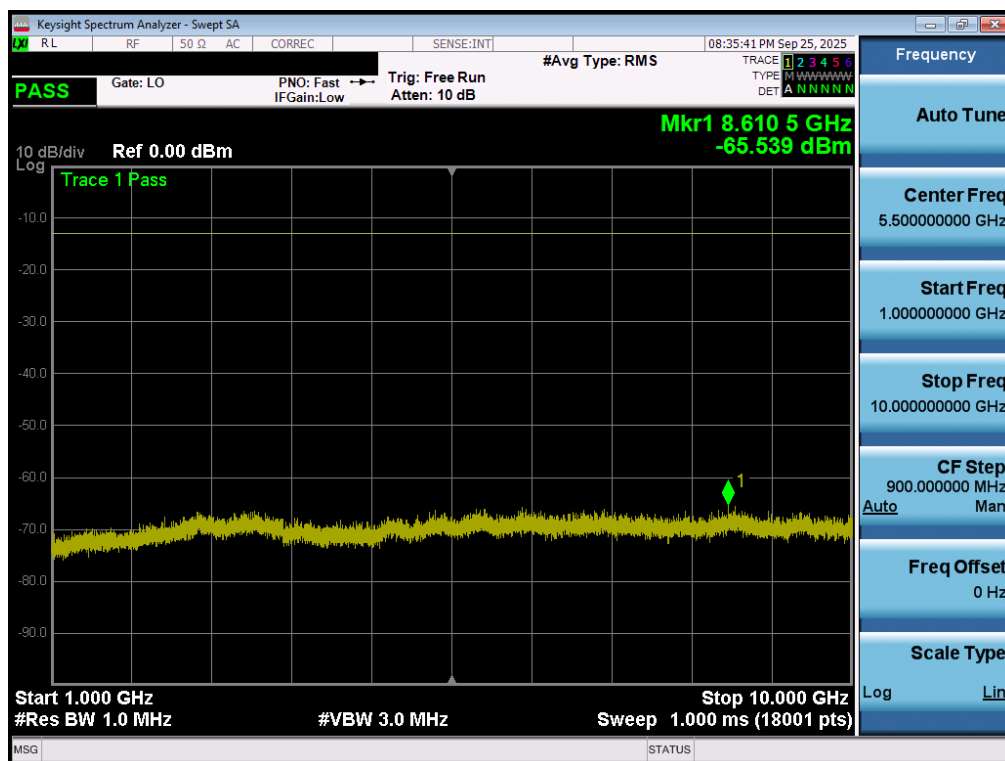


Plot 7-108. Conducted Spurious Plot (GPRS Ch. 190 – Ant2)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 84 of 178

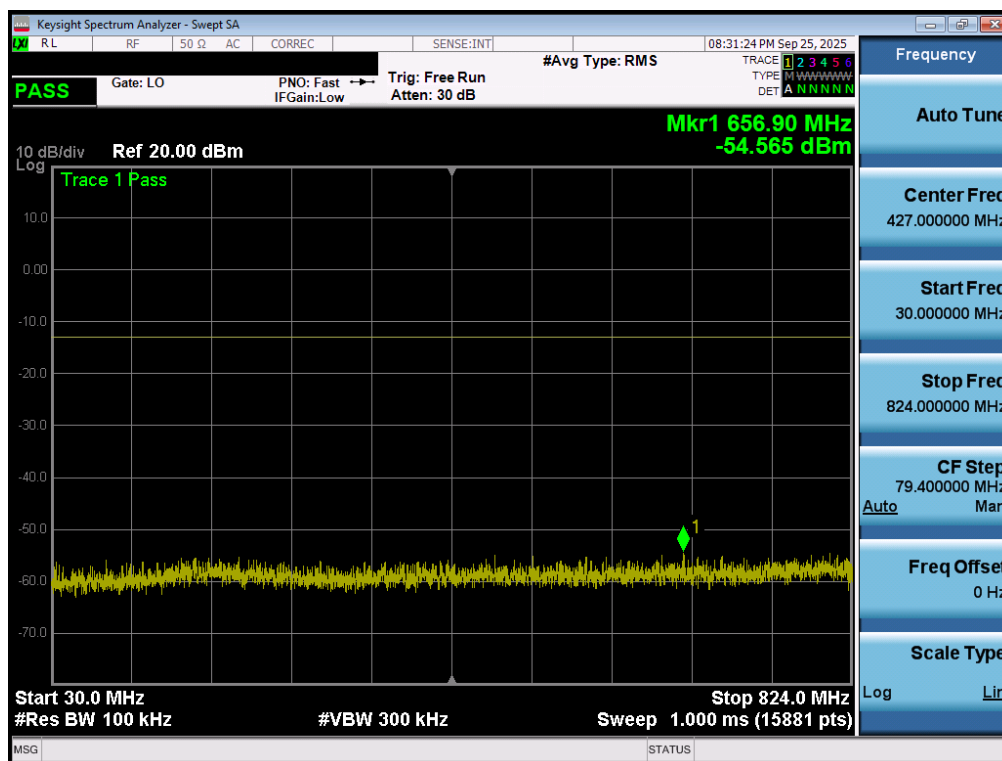


Plot 7-109. Conducted Spurious Plot (GPRS Ch. 190 – Ant2)

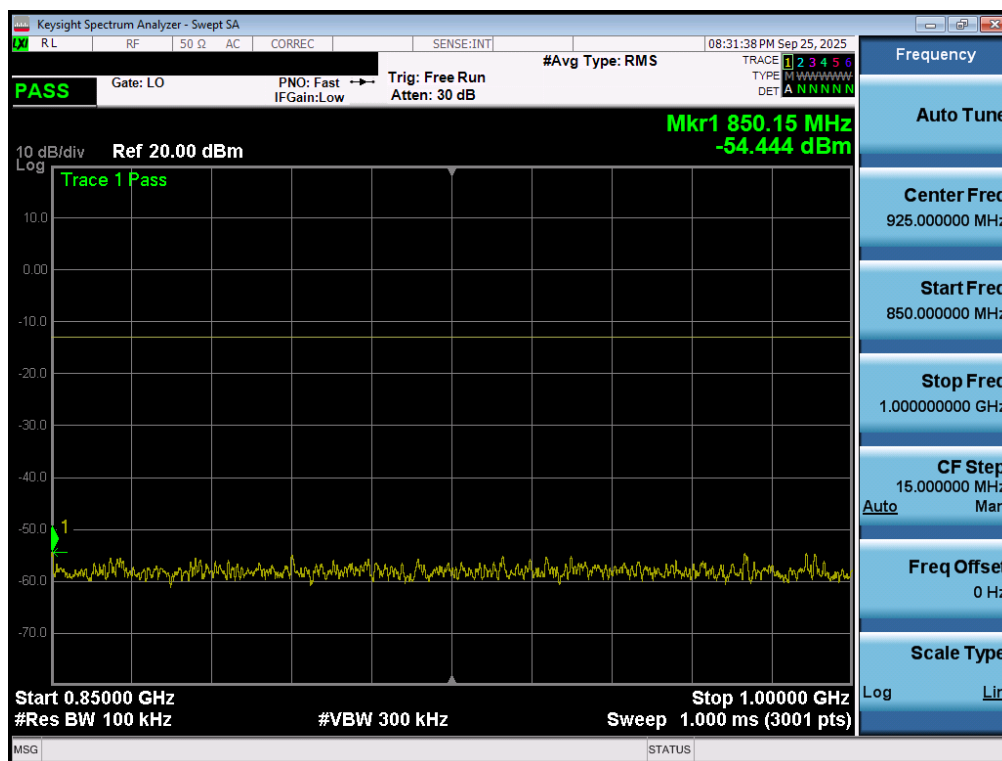


Plot 7-110. Conducted Spurious Plot (GPRS Ch. 190 – Ant2)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 85 of 178

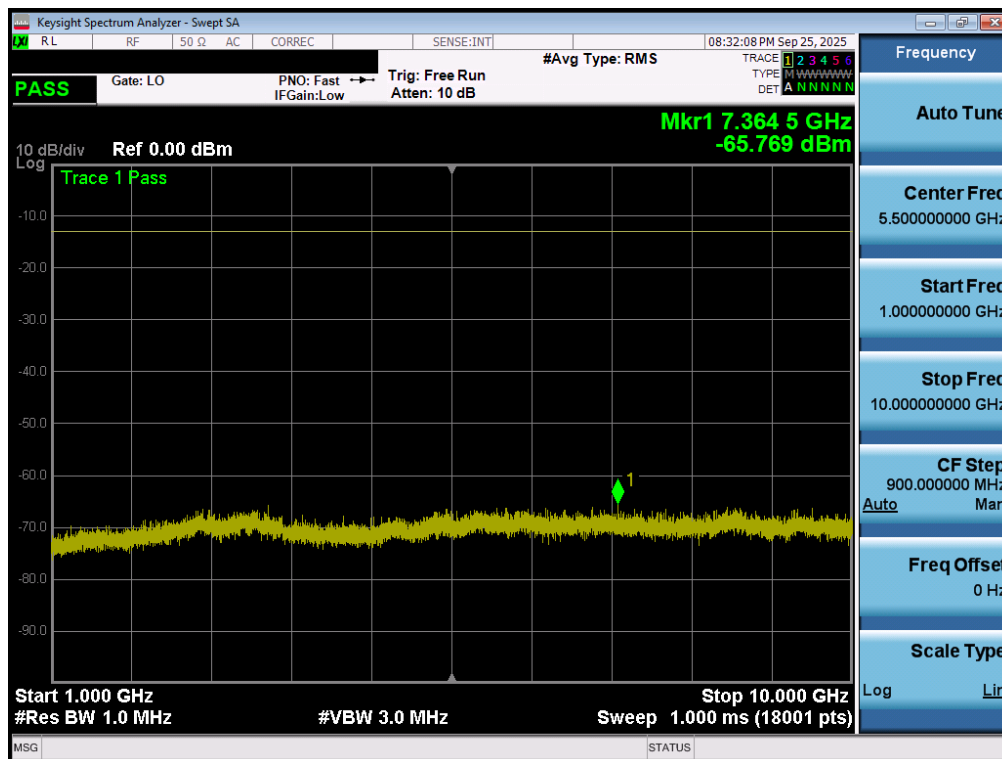


Plot 7-111. Conducted Spurious Plot (GPRS Ch. 251 – Ant2)



Plot 7-112. Conducted Spurious Plot (GPRS Ch. 251 – Ant2)

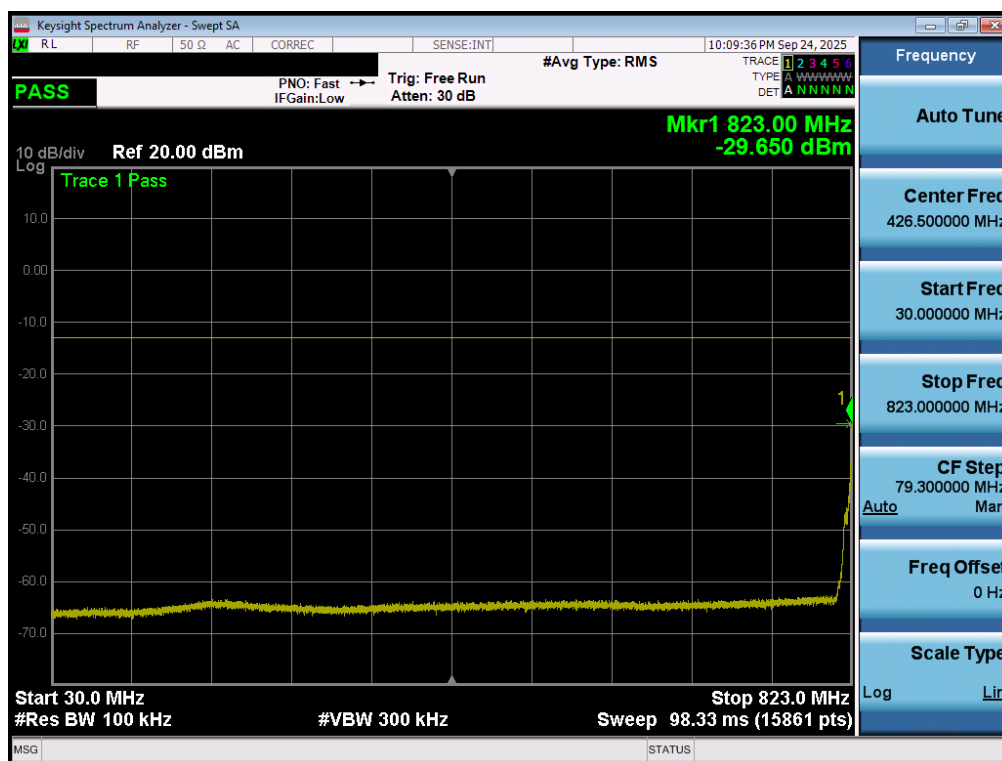
FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 86 of 178



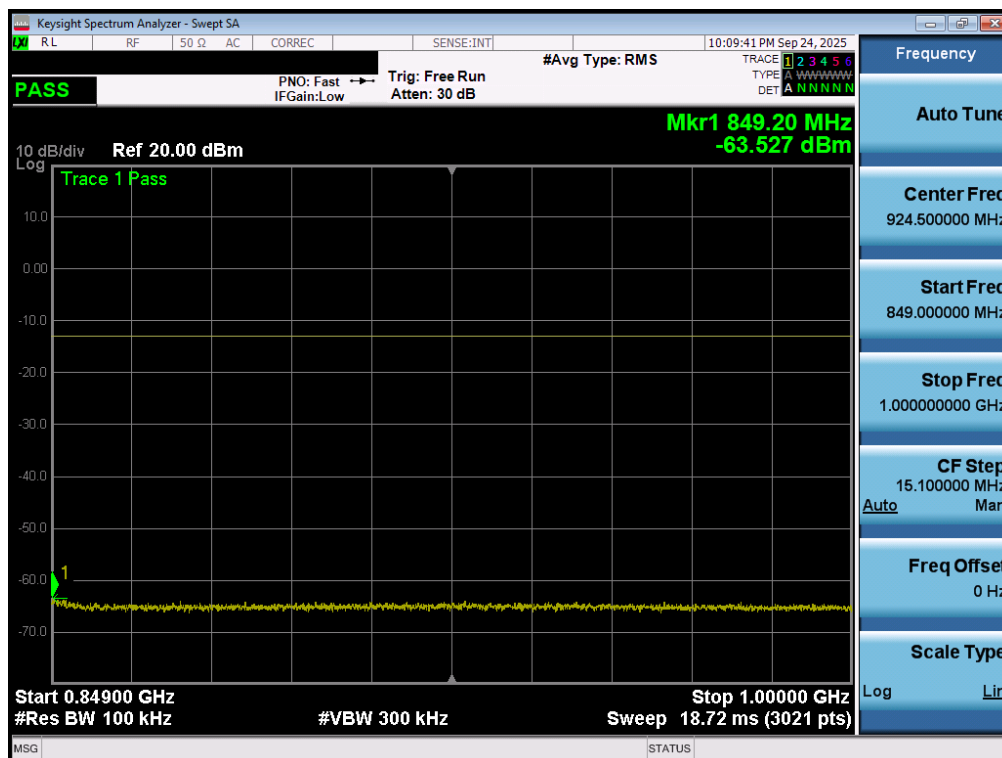
Plot 7-113. Conducted Spurious Plot (GPRS Ch. 251 – Ant2)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 87 of 178

WCDMA Cell – Ant2



Plot 7-114. Conducted Spurious Plot (WCDMA Ch. 4132 – Ant2)

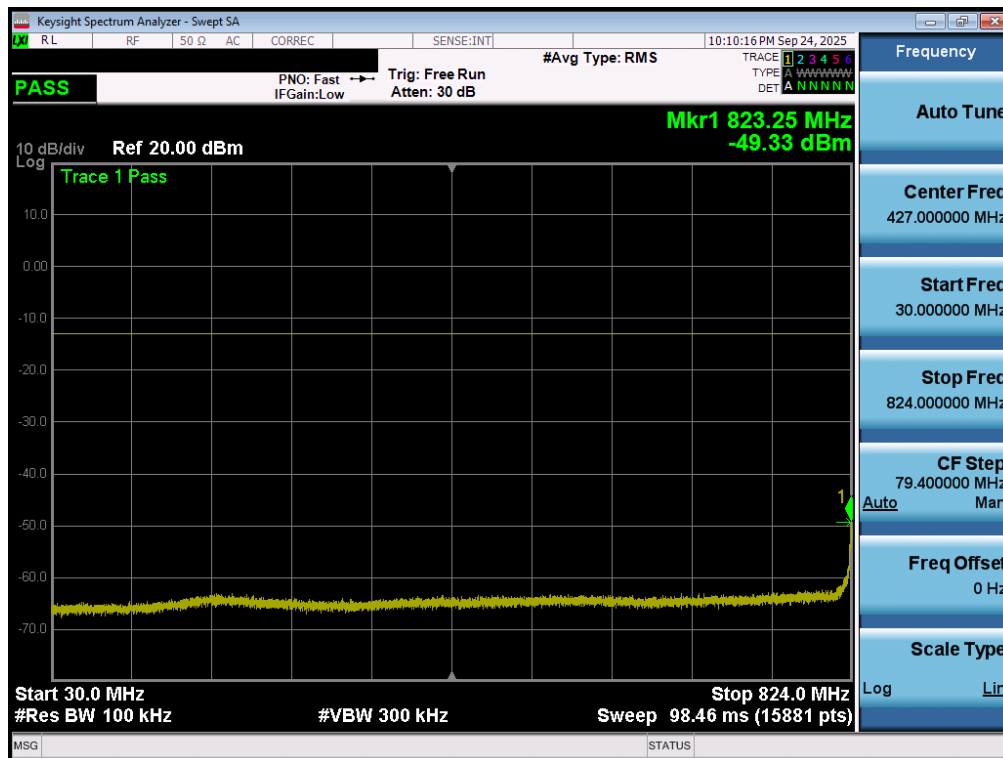


Plot 7-115. Conducted Spurious Plot (WCDMA Ch. 4132 – Ant2)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 88 of 178

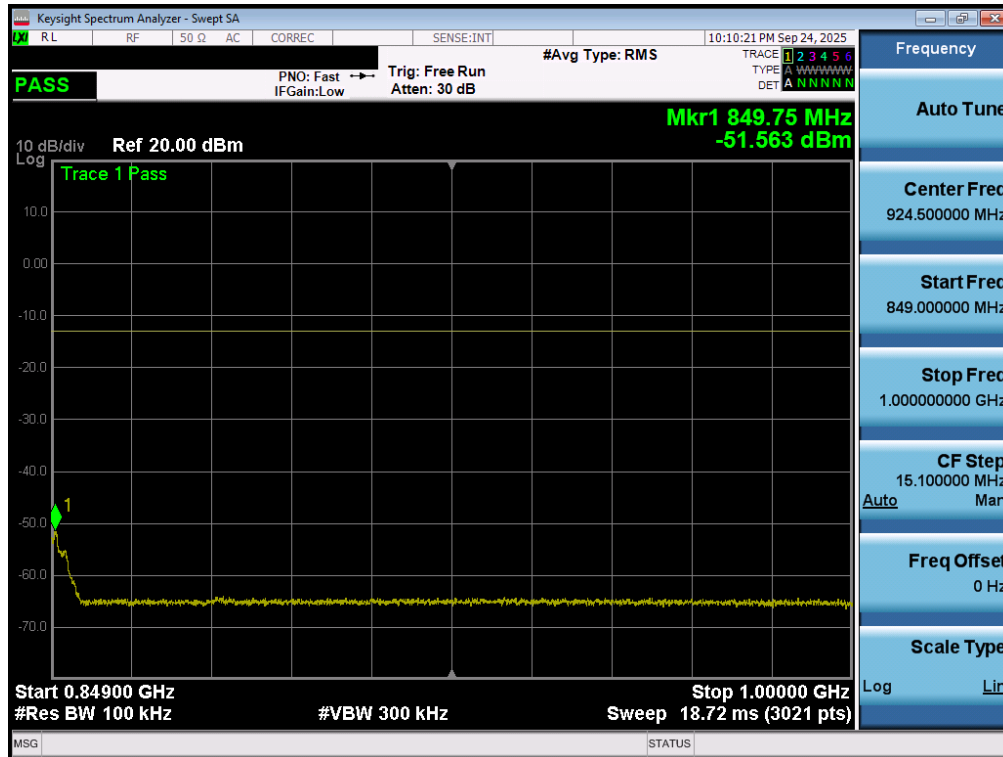


Plot 7-116. Conducted Spurious Plot (WCDMA Ch. 4132 – Ant2)

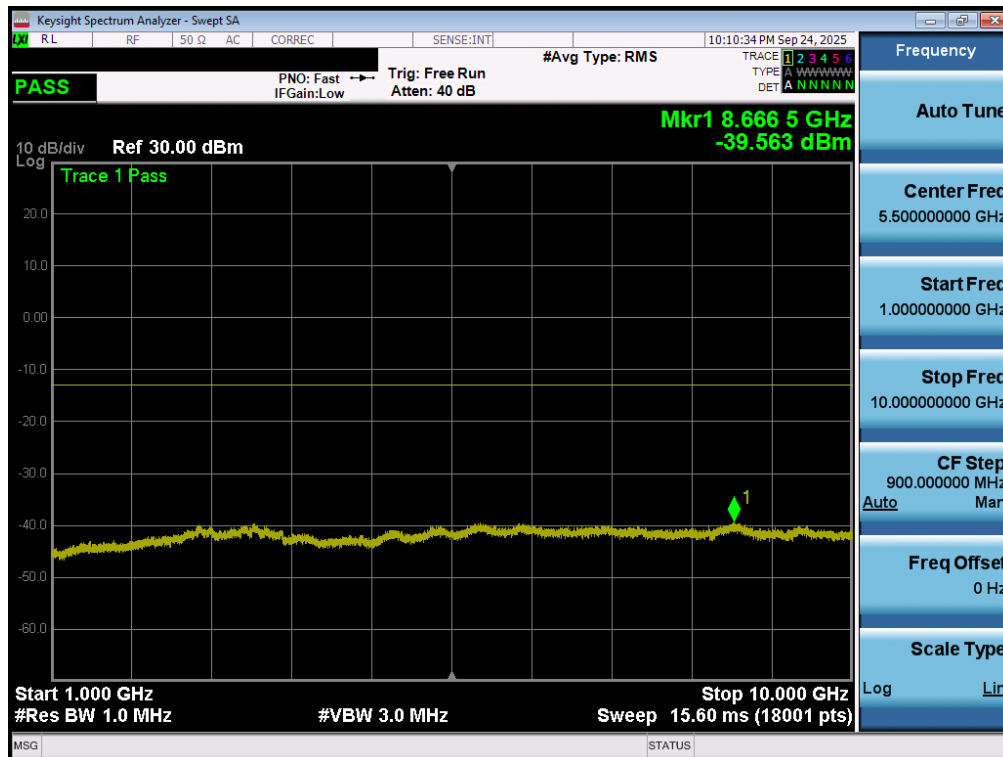


Plot 7-117. Conducted Spurious Plot (WCDMA Ch. 4183 – Ant2)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 89 of 178

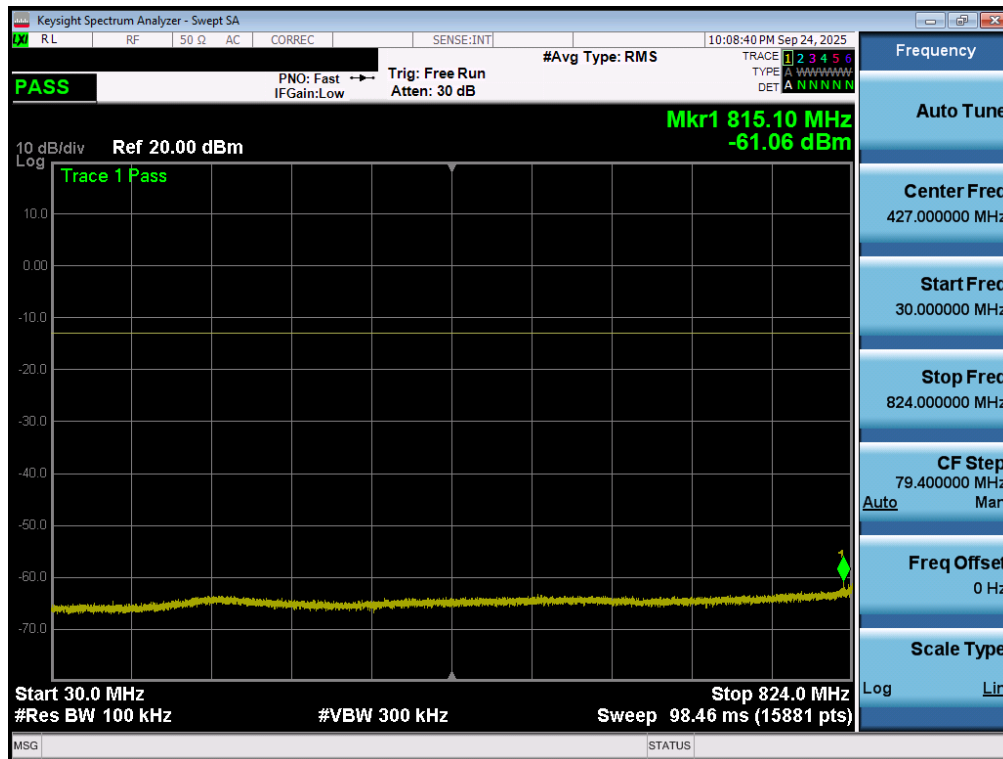


Plot 7-118. Conducted Spurious Plot (WCDMA Ch. 4183 – Ant2)

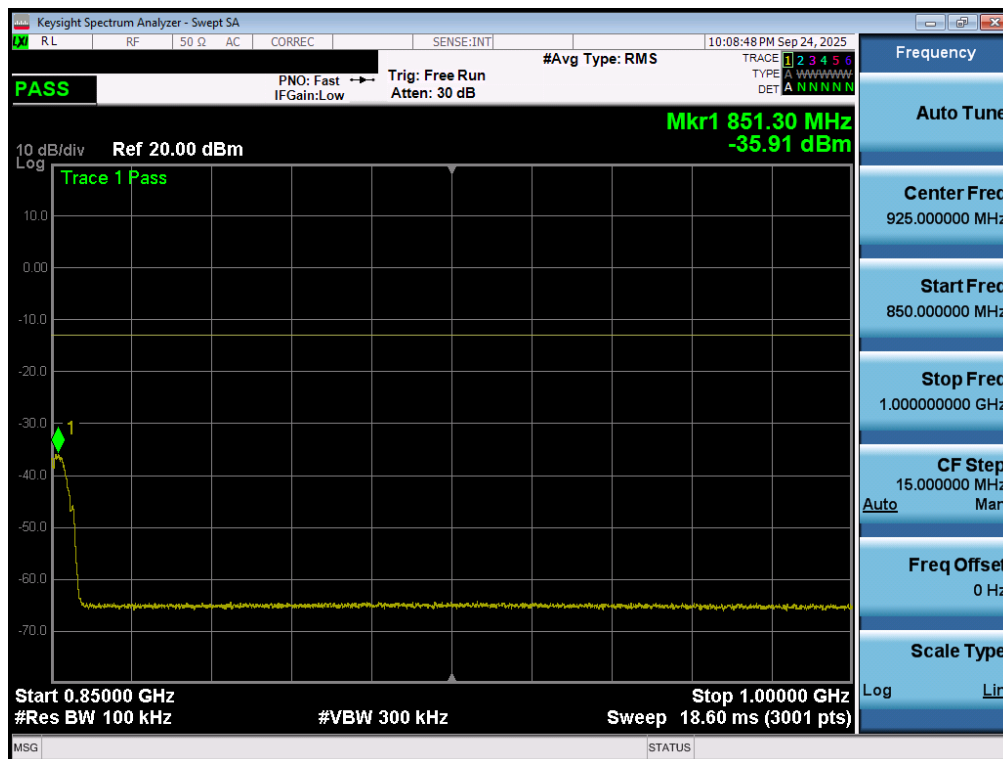


Plot 7-119. Conducted Spurious Plot (WCDMA Ch. 4183 – Ant2)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 90 of 178



Plot 7-120. Conducted Spurious Plot (WCDMA Ch. 4233 – Ant2)



Plot 7-121. Conducted Spurious Plot (WCDMA Ch. 4233 – Ant2)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 91 of 178



Plot 7-122. Conducted Spurious Plot (WCDMA Ch. 4233 – Ant2)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 92 of 178

7.5 Band Edge Emissions at Antenna Terminal

Test Overview

All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at maximum power, and at the appropriate frequencies. All data rates 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.

The minimum permissible attenuation level of any spurious emission is $43 + 10 \log_{10}(P_{\text{Watts}})$, where P is the transmitter power in Watts.

Test Procedure Used

ANSI C63.26:2015 – Section 5.7.3

Test Settings

1. Start and stop frequency were set such that the band edge would be placed in the center of the plot
2. Span was set large enough so as to capture all out of band emissions near the band edge
3. $\text{RBW} \geq 1\%$ of the emission bandwidth
4. $\text{VBW} \geq 3 \times \text{RBW}$
5. Detector = RMS
6. Number of sweep points $\geq 2 \times \text{Span}/\text{RBW}$
7. Trace mode = trace average for continuous emissions, max hold for pulse emissions
8. Sweep time = auto couple
9. The trace was allowed to stabilize

Test Setup

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

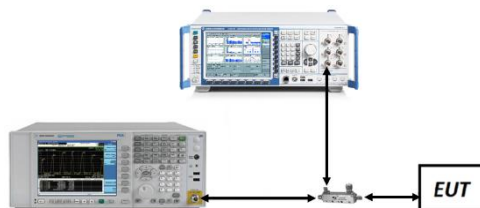


Figure 7-4. Test Instrument & Measurement Setup

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 93 of 178

Test Notes

1. Per 22.917(b), in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed to demonstrate compliance with the out-of-band emissions limit. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emission are attenuated at least 26 dB below the transmitter power.
2. For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

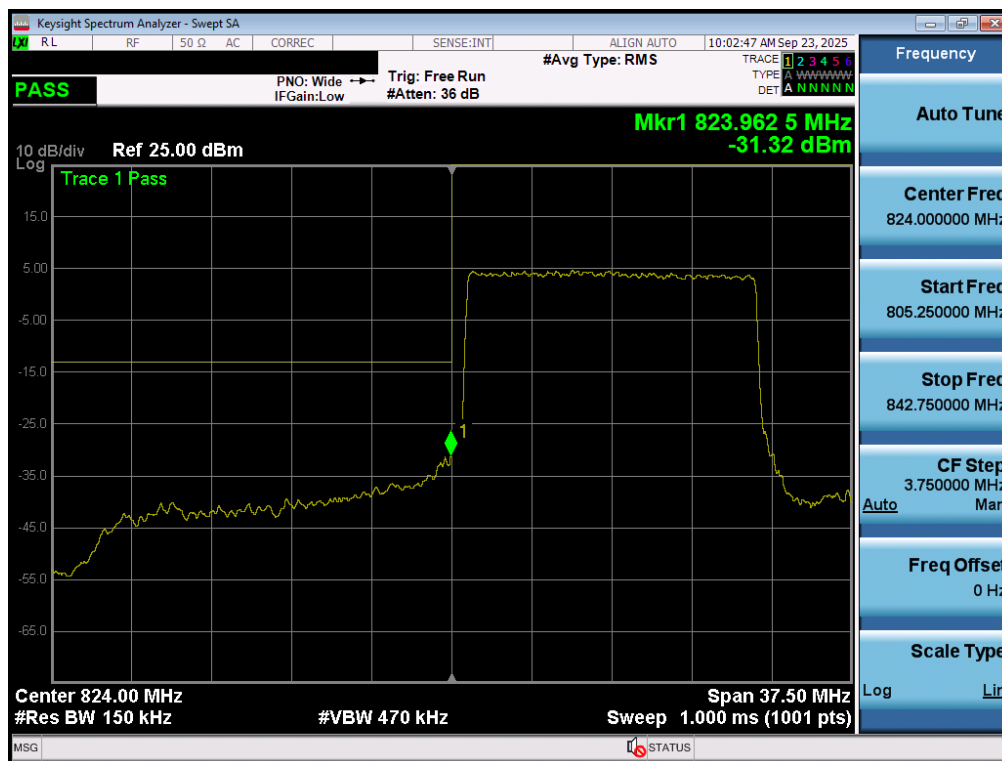
FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 94 of 178

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
GSM-Cell	250kHz	Low	Band Edge	-21.04	-13	-8.04
		High	Band Edge	-22.46	-13	-9.46
WCDMA-Cell	5MHz	Low	Band Edge	-20.83	-13	-7.83
		High	Band Edge	-18.90	-13	-5.90
LTE-B26-5	15 MHz	Low	Band Edge	-31.32	-13	-18.32
		High	Band Edge	-33.34	-13	-20.34
	10 MHz	Low	Band Edge	-26.75	-13	-13.75
		High	Band Edge	-29.03	-13	-16.03
	5 MHz	Low	Band Edge	-18.64	-13	-5.64
		High	Band Edge	-21.38	-13	-8.38
	3 MHz	Low	Band Edge	-16.99	-13	-3.99
		High	Band Edge	-19.16	-13	-6.16
	1.4 MHz	Low	Band Edge	-15.27	-13	-2.27
		High	Band Edge	-16.64	-13	-3.64
NR-n26-5	20 MHz	Low	Band Edge	-26.81	-13	-13.81
		High	Band Edge	-29.41	-13	-16.41
	15 MHz	Low	Band Edge	-27.80	-13	-14.80
		High	Band Edge	-28.74	-13	-15.74
	10 MHz	Low	Band Edge	-25.82	-13	-12.82
		High	Band Edge	-27.22	-13	-14.22
	5 MHz	Low	Band Edge	-17.52	-13	-4.52
		High	Band Edge	-18.18	-13	-5.18

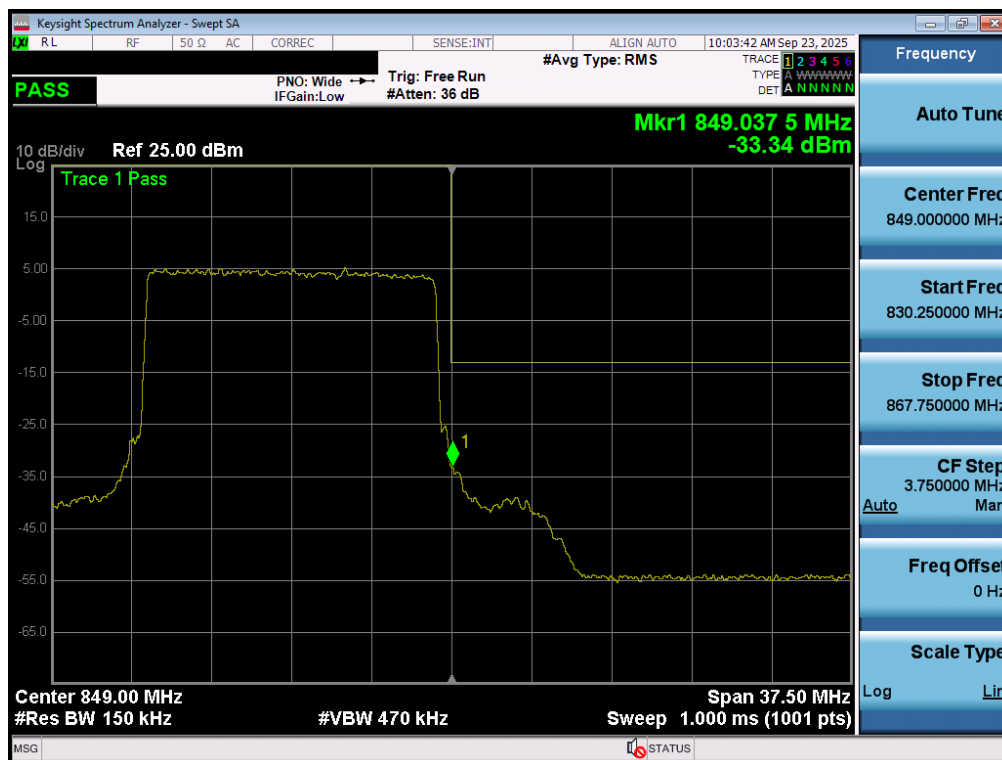
Table 7-9. Conducted Band Edge Results – Ant1

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 95 of 178

LTE Band 26/5 – Ant1

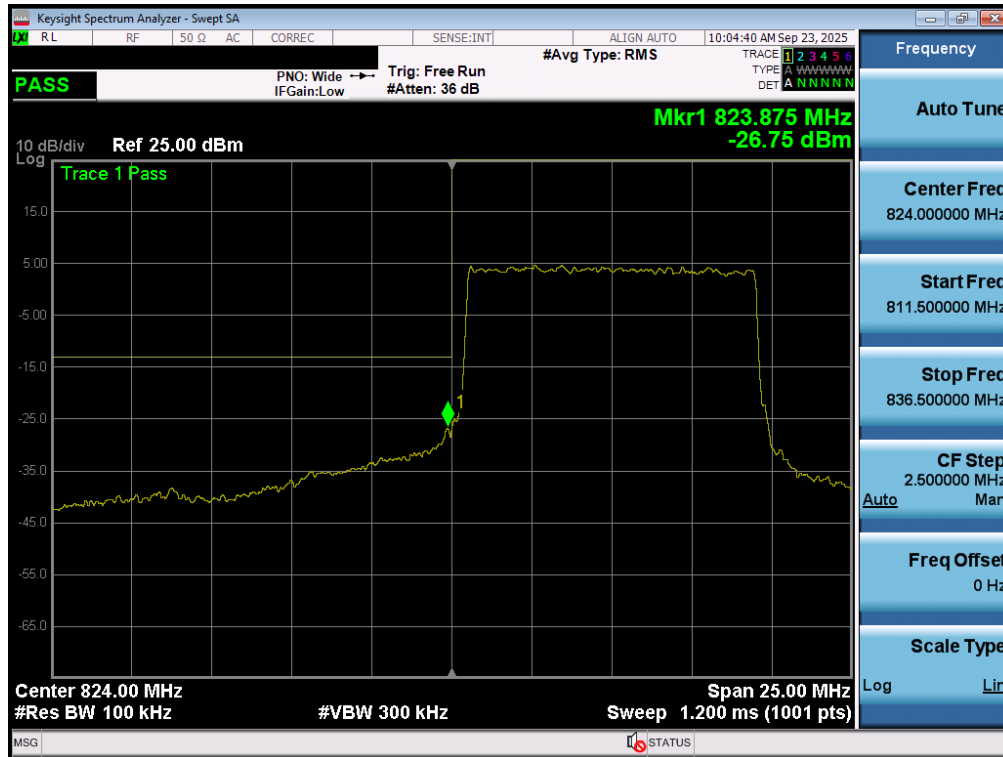


Plot 7-123. Lower Band Edge Plot (LTE Band 26 - 15MHz QPSK – Full RB - Ant1)



Plot 7-124. Upper Band Edge Plot (LTE Band 26 - 15MHz QPSK – Full RB - Ant1)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 96 of 178

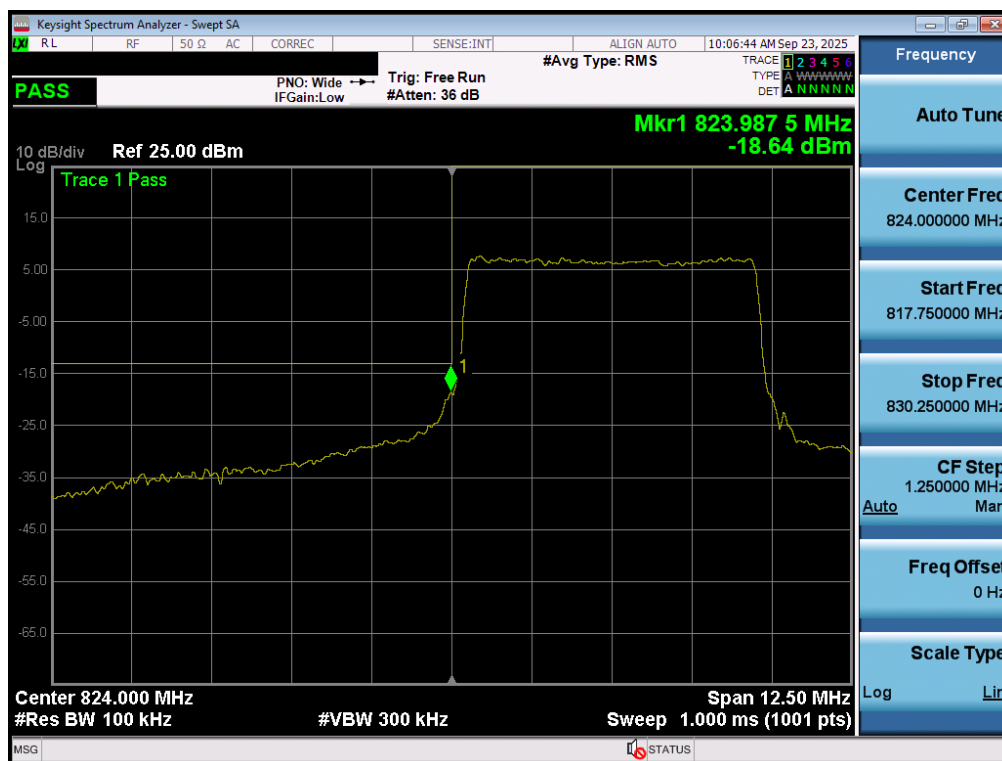


Plot 7-125. Lower Band Edge Plot (LTE Band 26/5 - 10MHz QPSK – Full RB - Ant1)



Plot 7-126. Upper Band Edge Plot (LTE Band 26/5 - 10MHz QPSK – Full RB - Ant1)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 97 of 178

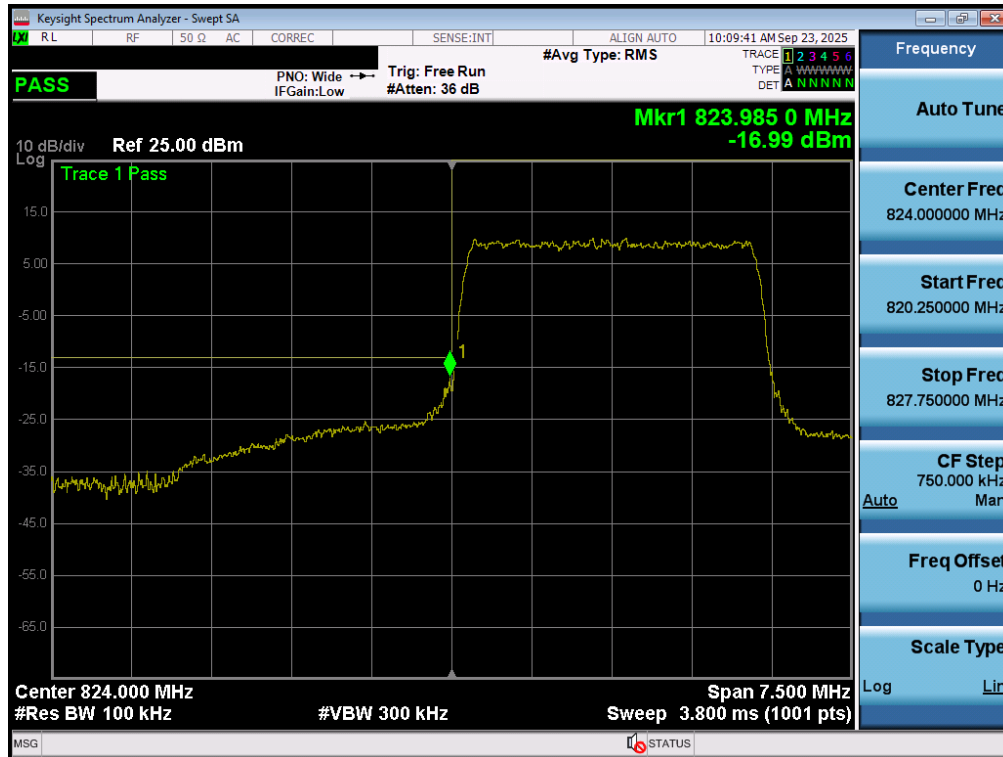


Plot 7-127. Lower Band Edge Plot (LTE Band 26/5 - 5MHz QPSK - Full RB - Ant1)

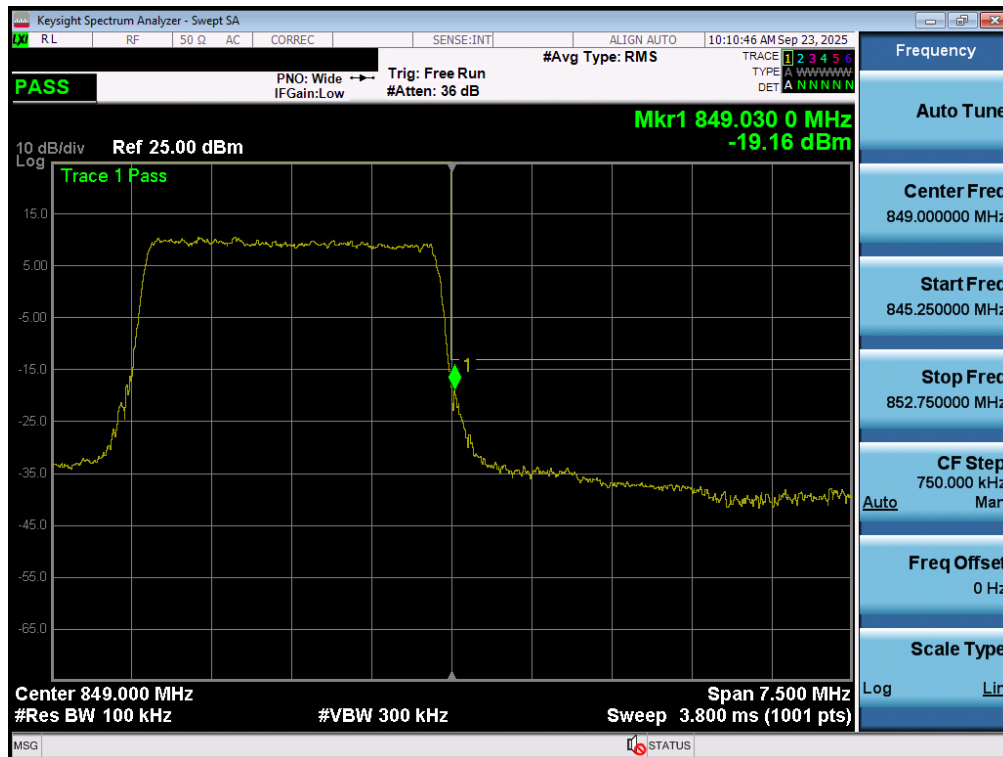


Plot 7-128. Upper Band Edge Plot (LTE Band 26/5 - 5MHz QPSK - Full RB - Ant1)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 98 of 178

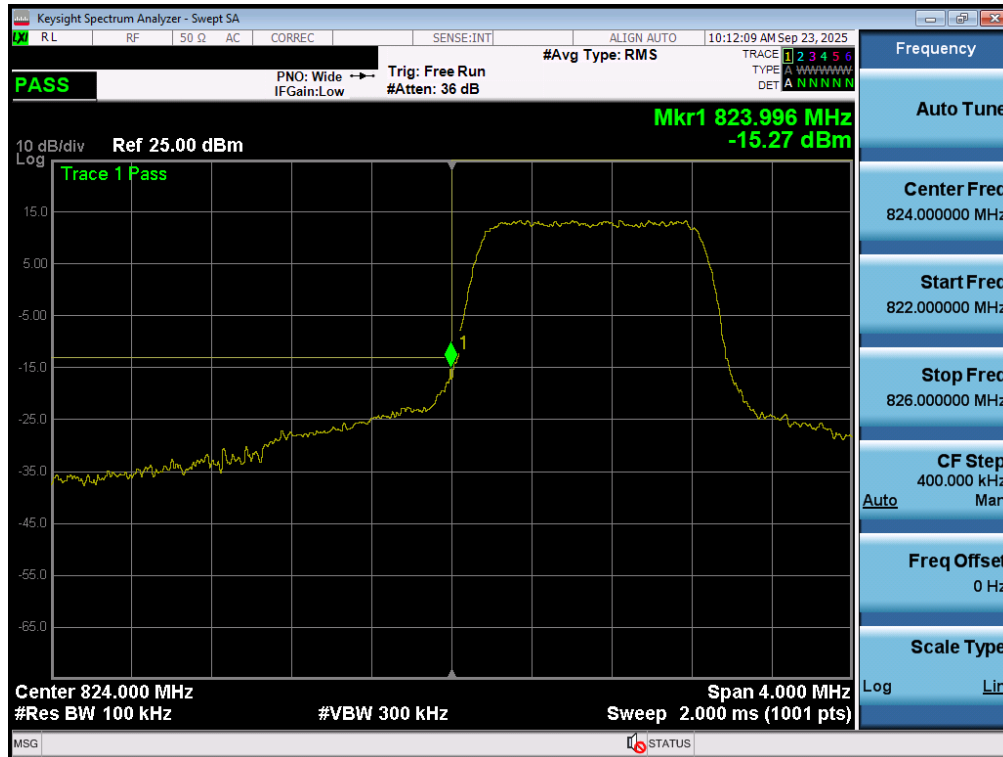


Plot 7-129. Lower Band Edge Plot (LTE Band 26/5 - 3MHz QPSK - Full RB - Ant1)

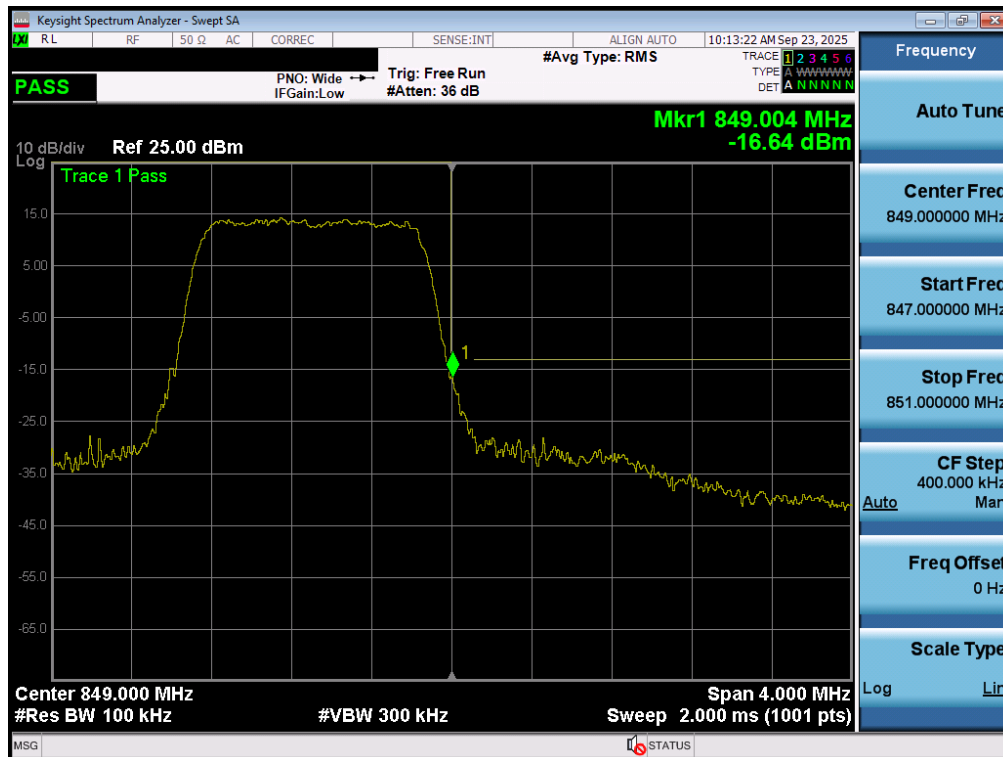


Plot 7-130. Upper Band Edge Plot (LTE Band 26/5 - 3MHz QPSK - Full RB - Ant1)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 99 of 178



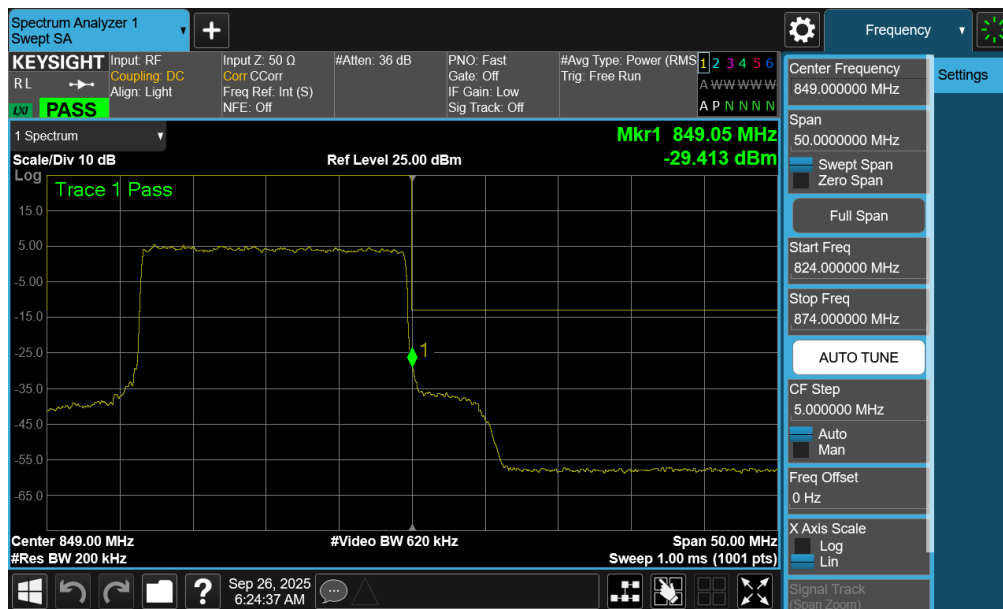
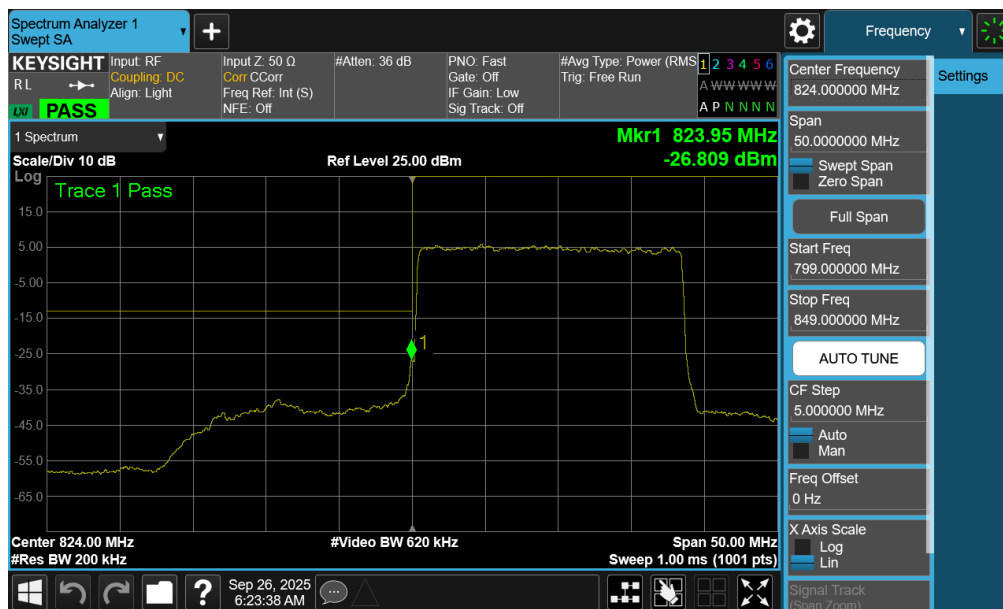
Plot 7-131. Lower Band Edge Plot (LTE Band 26/5 - 1.4MHz QPSK - Full RB - Ant1)



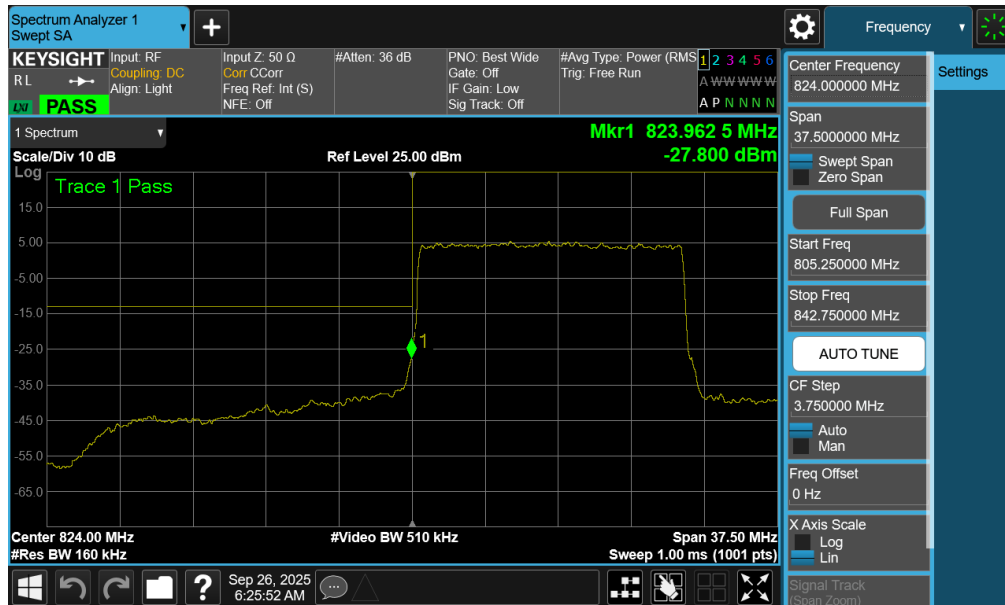
Plot 7-132. Upper Band Edge Plot (LTE Band 26/5 - 1.4MHz QPSK - Full RB - Ant1)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 100 of 178

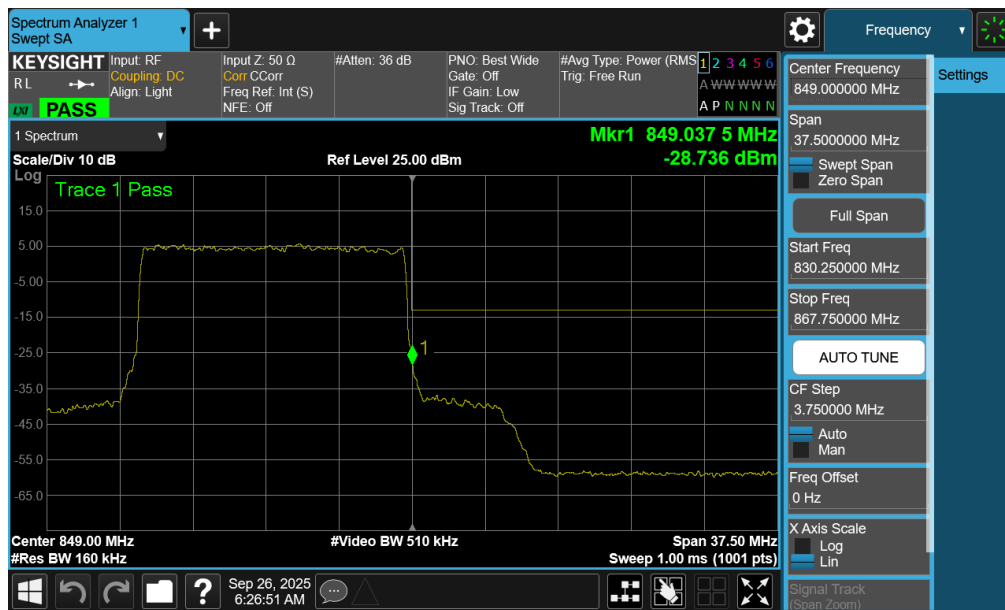
NR Band n26/5 – Ant1



FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 101 of 178

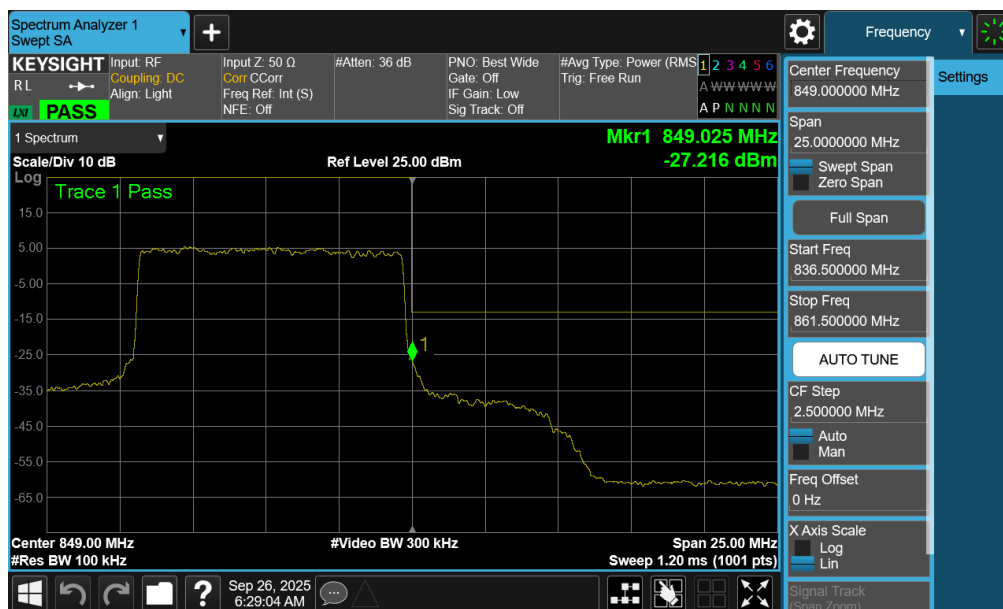
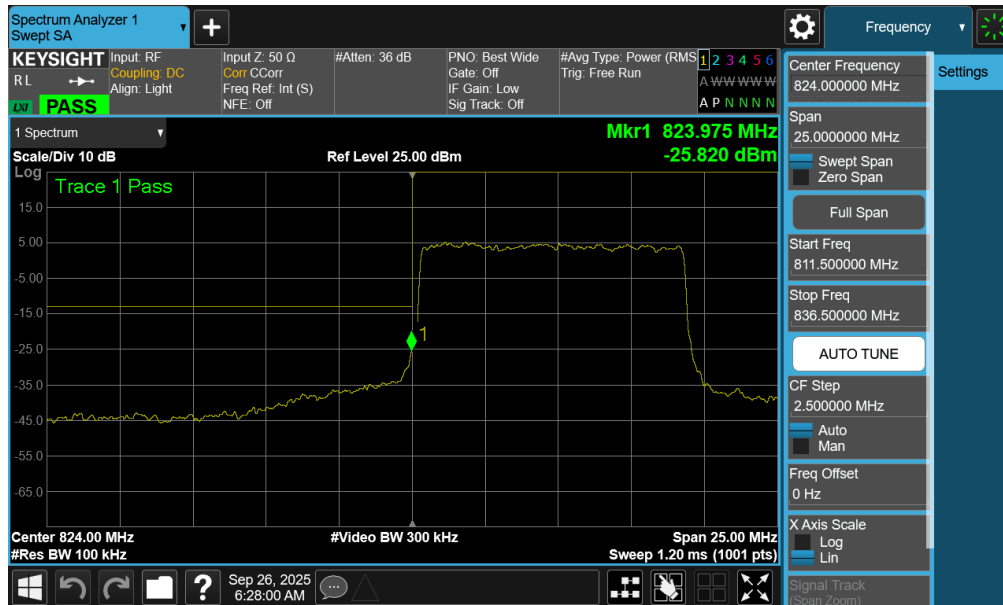


Plot 7-135. Lower Band Edge Plot (NR Band n26/5 – 15.0MHz - Full RB - Ant1)

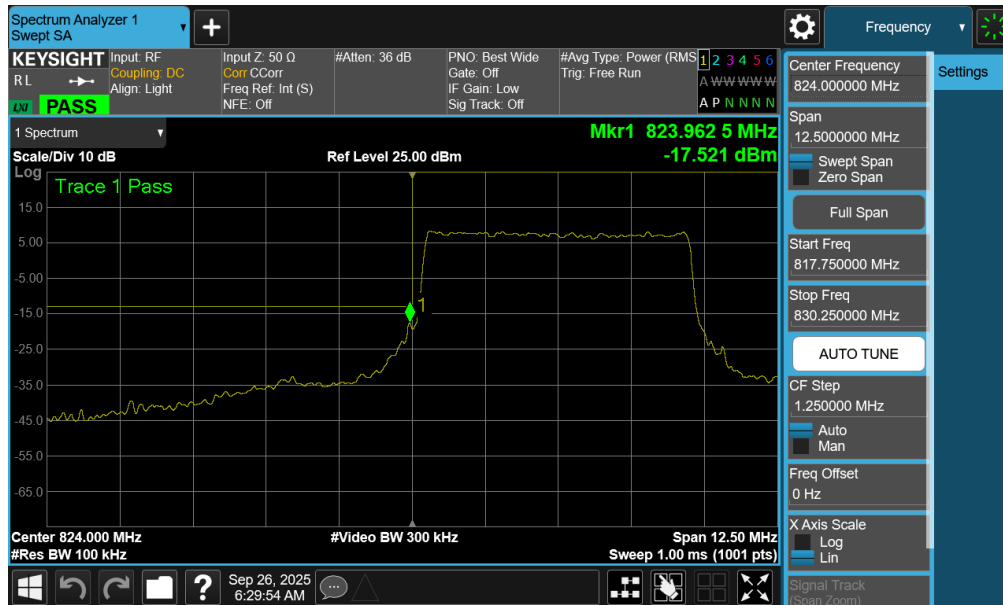


Plot 7-136. Upper Band Edge Plot (NR Band n26/5 – 15.0MHz - Full RB - Ant1)

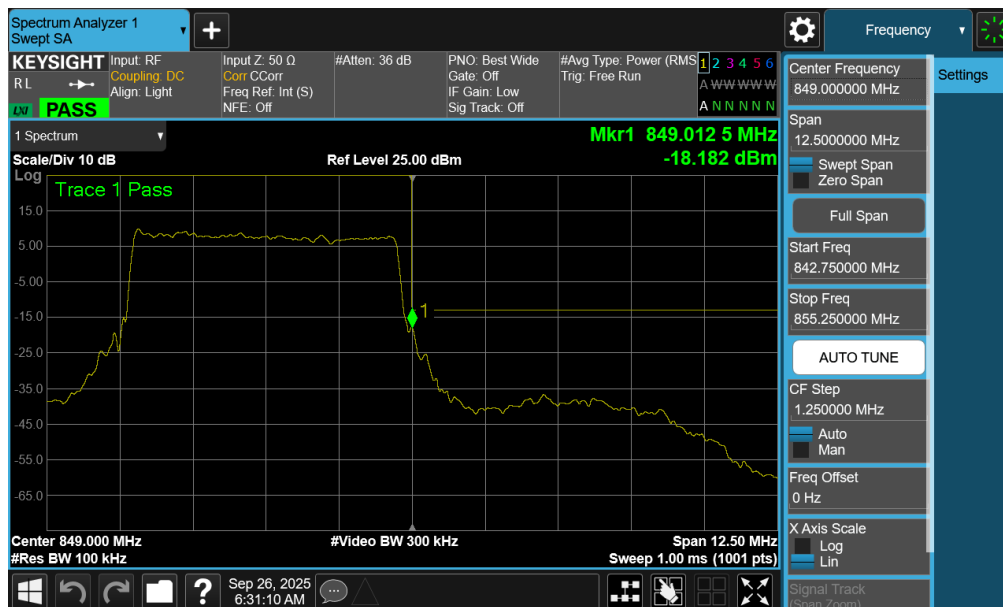
FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 102 of 178



FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 103 of 178



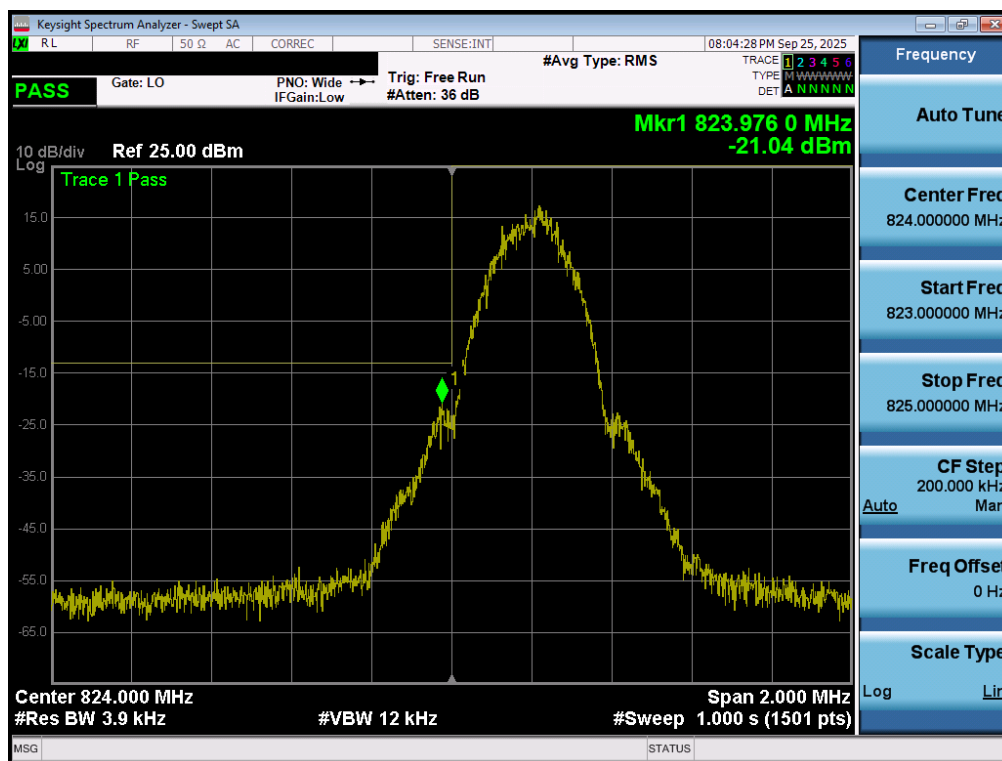
Plot 7-139. Lower Band Edge Plot (NR Band n26/5 – 5.0MHz - Full RB - Ant1)



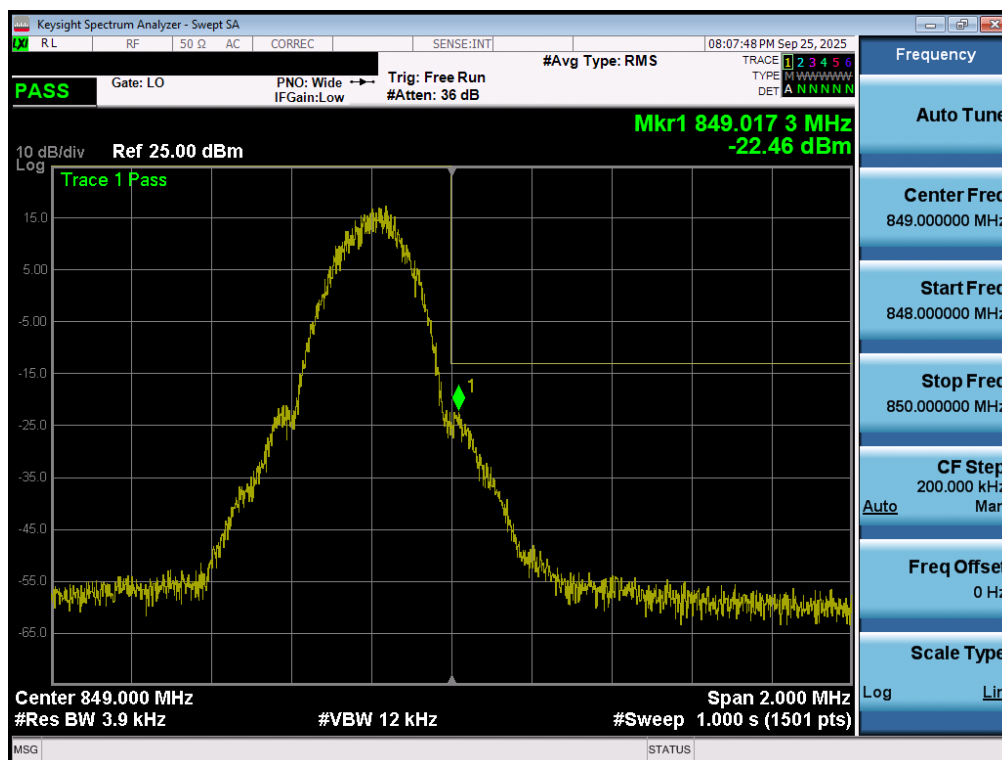
Plot 7-140. Upper Band Edge Plot (NR Band n26/5 – 5.0MHz - Full RB)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 104 of 178

GSM/GPRS Cell – Ant1



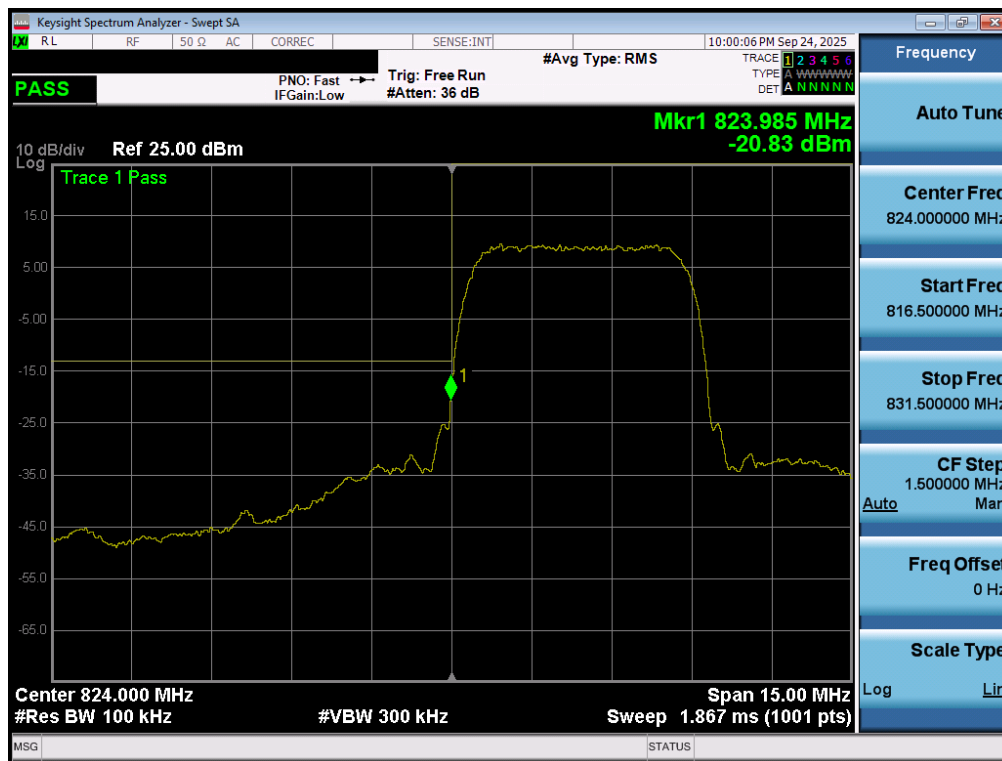
Plot 7-141. Lower Band Edge Plot (GPRS Cell – Ch. 128 – Ant1)



Plot 7-142. Upper Band Edge Plot (GPRS Cell – Ch. 251 – Ant1)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 105 of 178

WCDMA Cell – Ant1



Plot 7-143. Lower Band Edge Plot (WCDMA Cell – Ch. 4132 – Ant1)



Plot 7-144. Upper Band Edge Plot (WCDMA Cell – Ch. 4233 – Ant1)

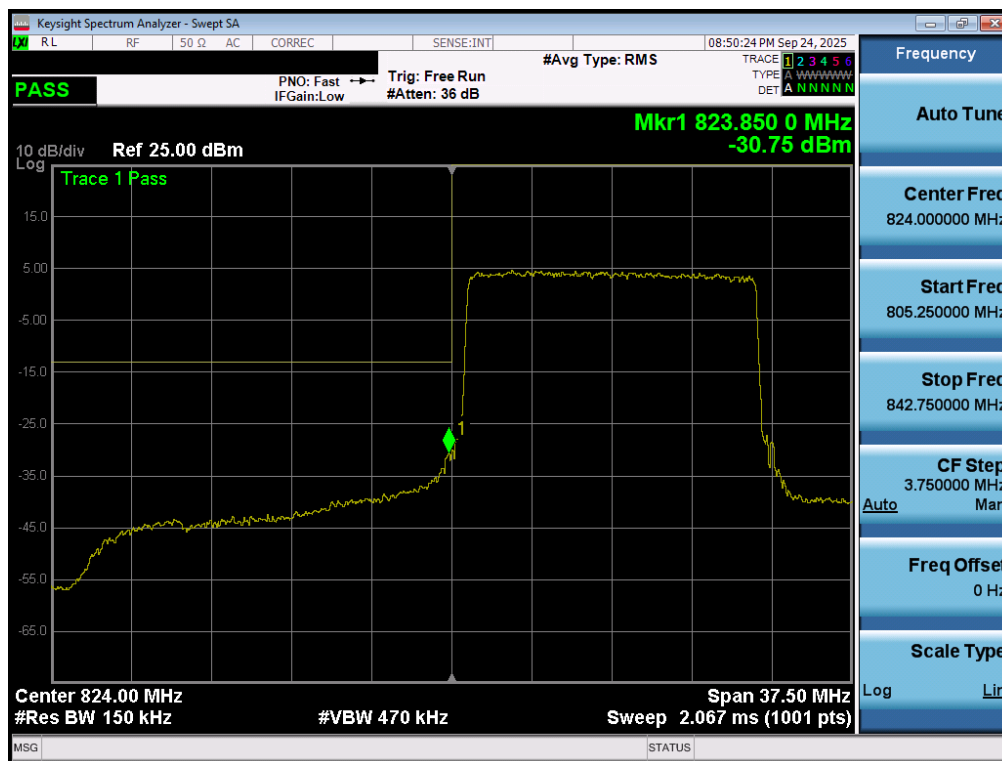
FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 106 of 178

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
GSM-Cell	250kHz	Low	Band Edge	-28.50	-13	-15.50
		High	Band Edge	-28.61	-13	-15.61
WCDMA-Cell	5MHz	Low	Band Edge	-22.71	-13	-9.71
		High	Band Edge	-20.54	-13	-7.54
LTE-B26-5	15 MHz	Low	Band Edge	-30.75	-13	-17.75
		High	Band Edge	-31.12	-13	-18.12
	10 MHz	Low	Band Edge	-26.58	-13	-13.58
		High	Band Edge	-28.33	-13	-15.33
	5 MHz	Low	Band Edge	-18.45	-13	-5.45
		High	Band Edge	-22.65	-13	-9.65
	3 MHz	Low	Band Edge	-20.81	-13	-7.81
		High	Band Edge	-18.47	-13	-5.47
	1.4 MHz	Low	Band Edge	-17.87	-13	-4.87
		High	Band Edge	-18.87	-13	-5.87
NR-n26-5	20 MHz	Low	Band Edge	-27.18	-13	-14.18
		High	Band Edge	-29.43	-13	-16.43
	15 MHz	Low	Band Edge	-28.51	-13	-15.51
		High	Band Edge	-28.88	-13	-15.88
	10 MHz	Low	Band Edge	-25.73	-13	-12.73
		High	Band Edge	-24.99	-13	-11.99
	5 MHz	Low	Band Edge	-18.78	-13	-5.78
		High	Band Edge	-21.00	-13	-8.00

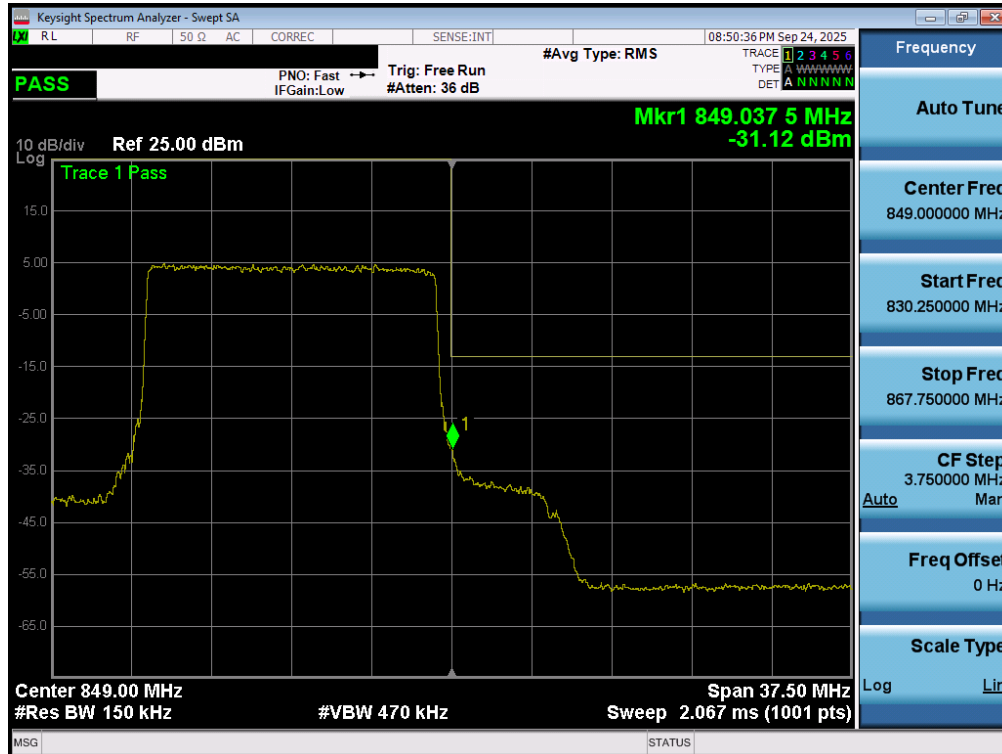
Table 7-10. Conducted Band Edge Results – Ant2

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 107 of 178

LTE Band 26/5 – Ant2

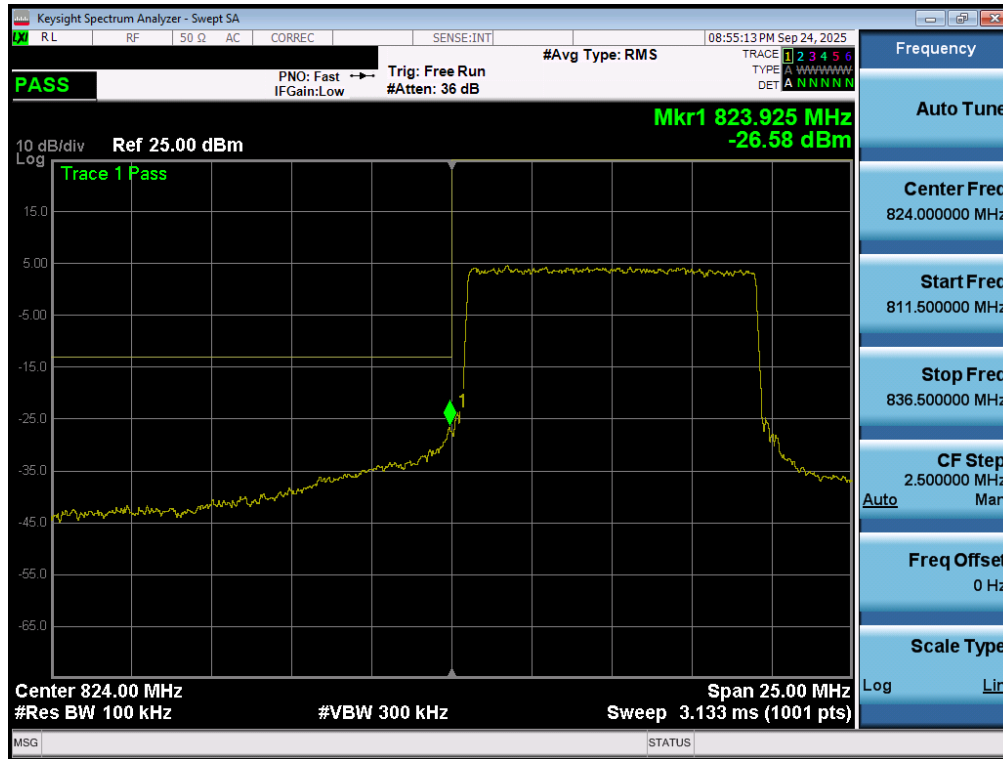


Plot 7-145. Lower Band Edge Plot (LTE Band 26 - 15MHz QPSK – Full RB - Ant2)



Plot 7-146. Upper Band Edge Plot (LTE Band 26 - 15MHz QPSK – Full RB - Ant2)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 108 of 178

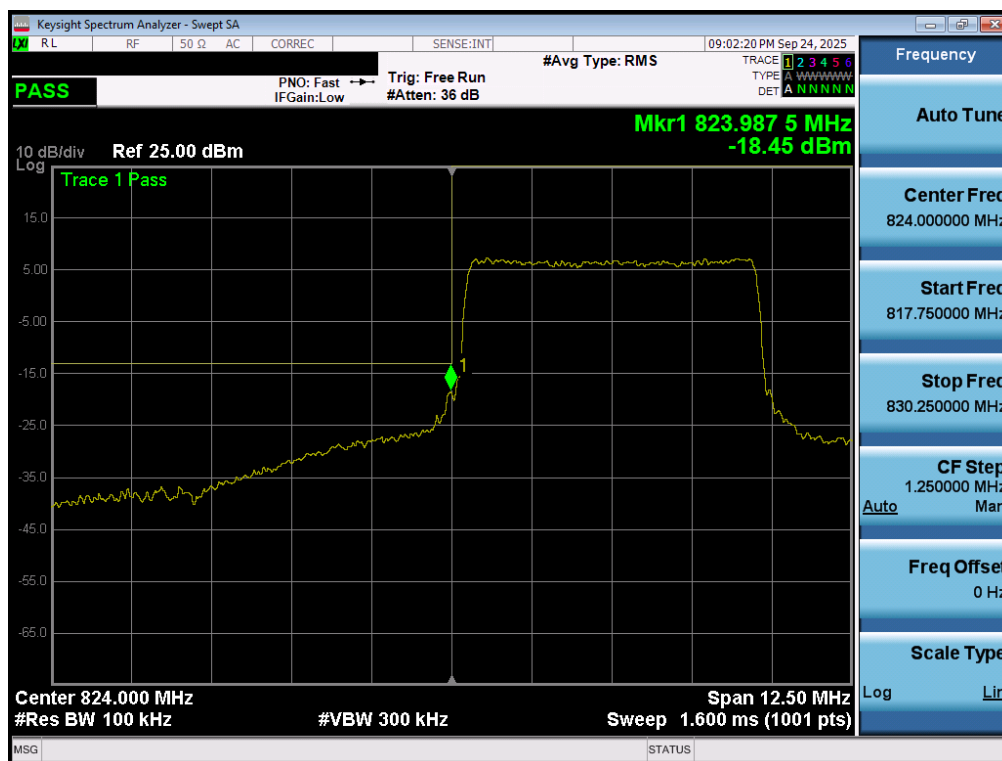


Plot 7-147. Lower Band Edge Plot (LTE Band 26/5 - 10MHz QPSK – Full RB - Ant2)



Plot 7-148. Upper Band Edge Plot (LTE Band 26/5 - 10MHz QPSK – Full RB - Ant2)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 109 of 178

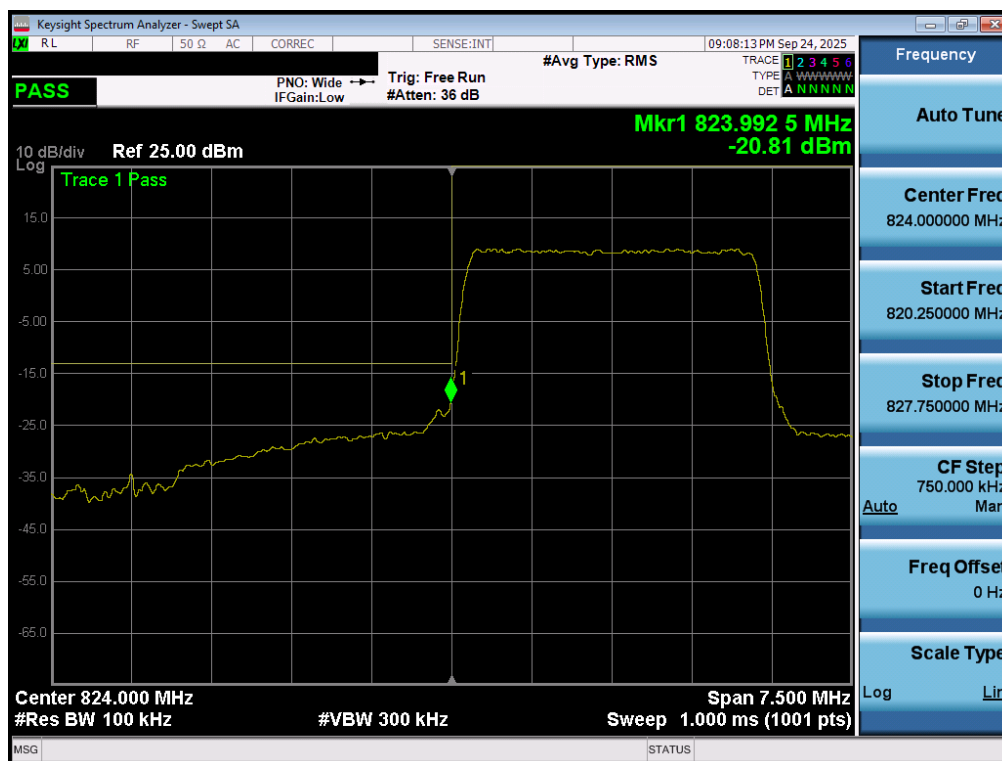


Plot 7-149. Lower Band Edge Plot (LTE Band 26/5 - 5MHz QPSK - Full RB - Ant2)



Plot 7-150. Upper Band Edge Plot (LTE Band 26/5 - 5MHz QPSK - Full RB - Ant2)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 110 of 178

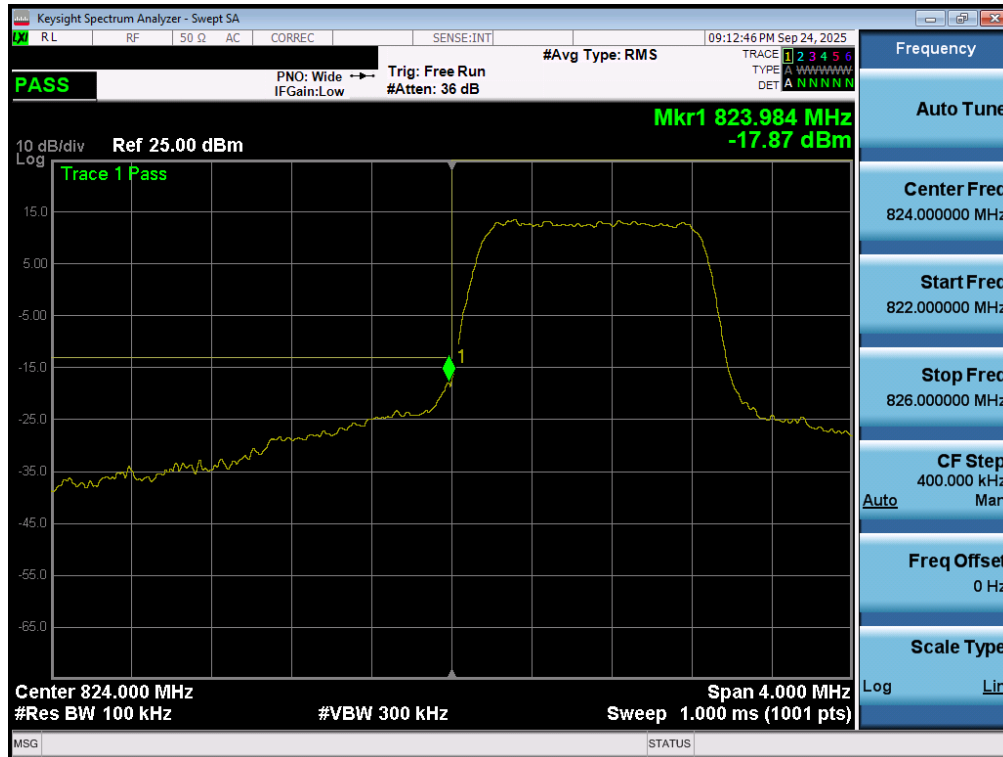


Plot 7-151. Lower Band Edge Plot (LTE Band 26/5 - 3MHz QPSK - Full RB - Ant2)



Plot 7-152. Upper Band Edge Plot (LTE Band 26/5 - 3MHz QPSK - Full RB - Ant2)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 111 of 178



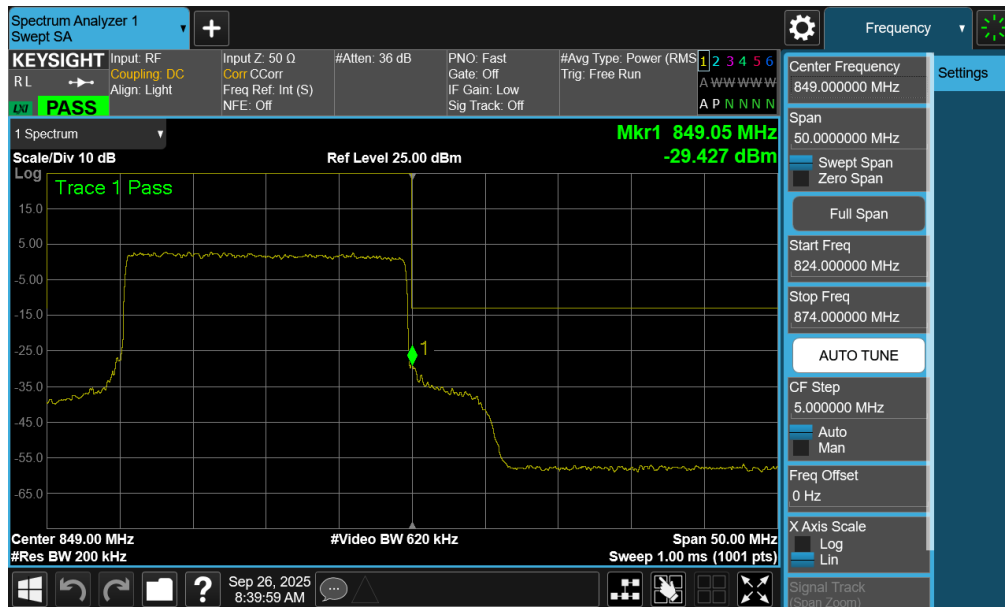
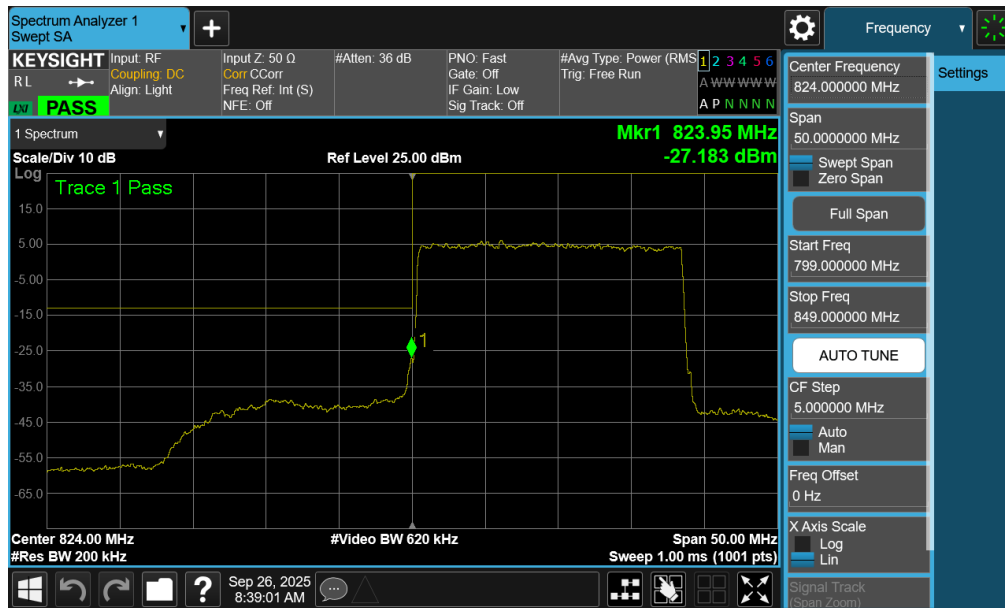
Plot 7-153. Lower Band Edge Plot (LTE Band 26/5 – 1.4MHz QPSK – Full RB - Ant2)



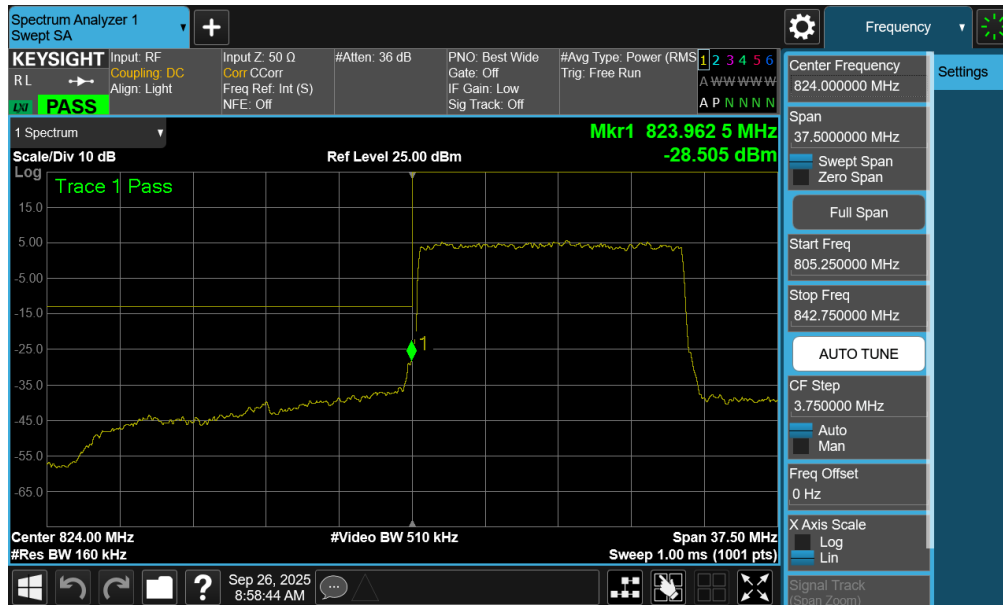
Plot 7-154. Upper Band Edge Plot (LTE Band 26/5 – 1.4MHz QPSK – Full RB - Ant2)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 112 of 178

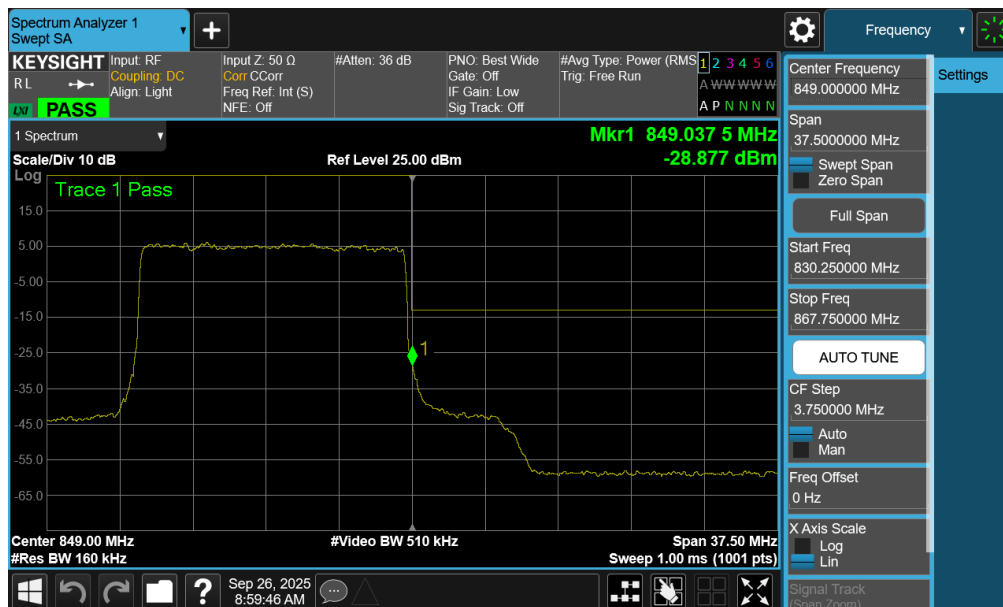
NR Band n26/5 – Ant2



FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 113 of 178

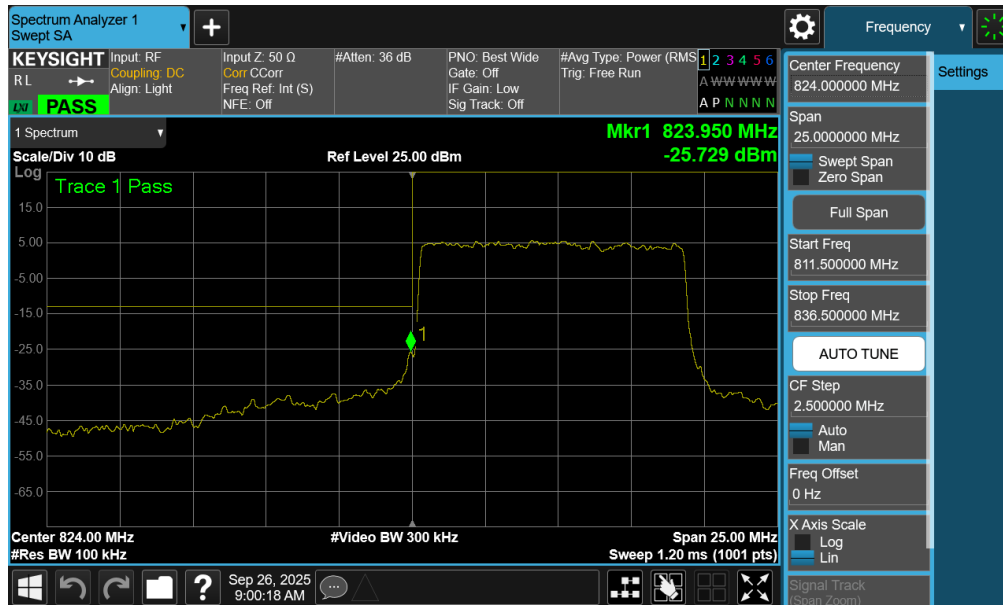


Plot 7-157. Lower Band Edge Plot (NR Band n26/5 – 15.0MHz - Full RB - Ant2)

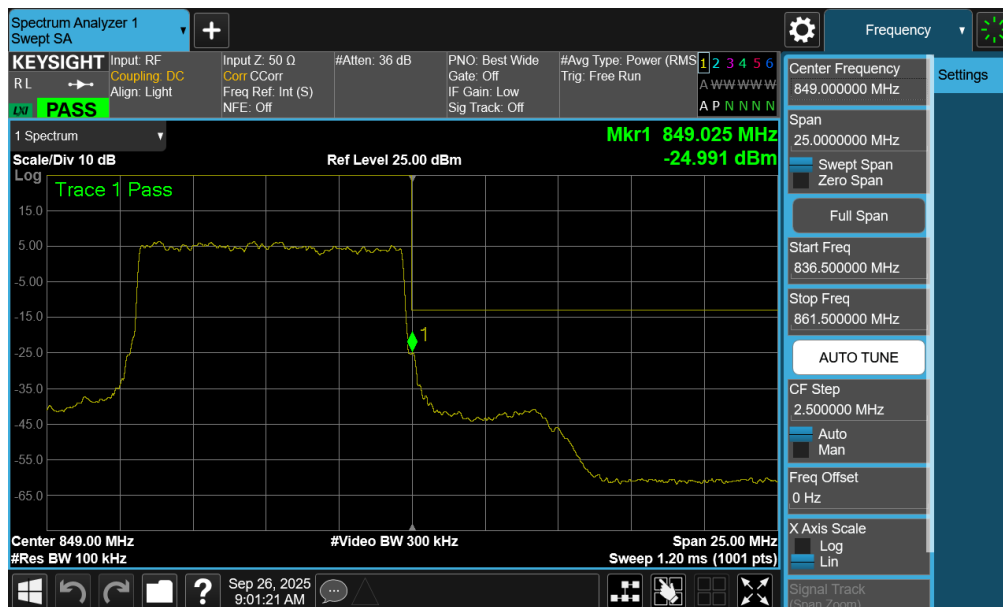


Plot 7-158. Upper Band Edge Plot (NR Band n26/5 – 15.0MHz - Full RB - Ant2)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 114 of 178



Plot 7-159. Lower Band Edge Plot (NR Band n26/5 – 10.0MHz - Full RB - Ant2)



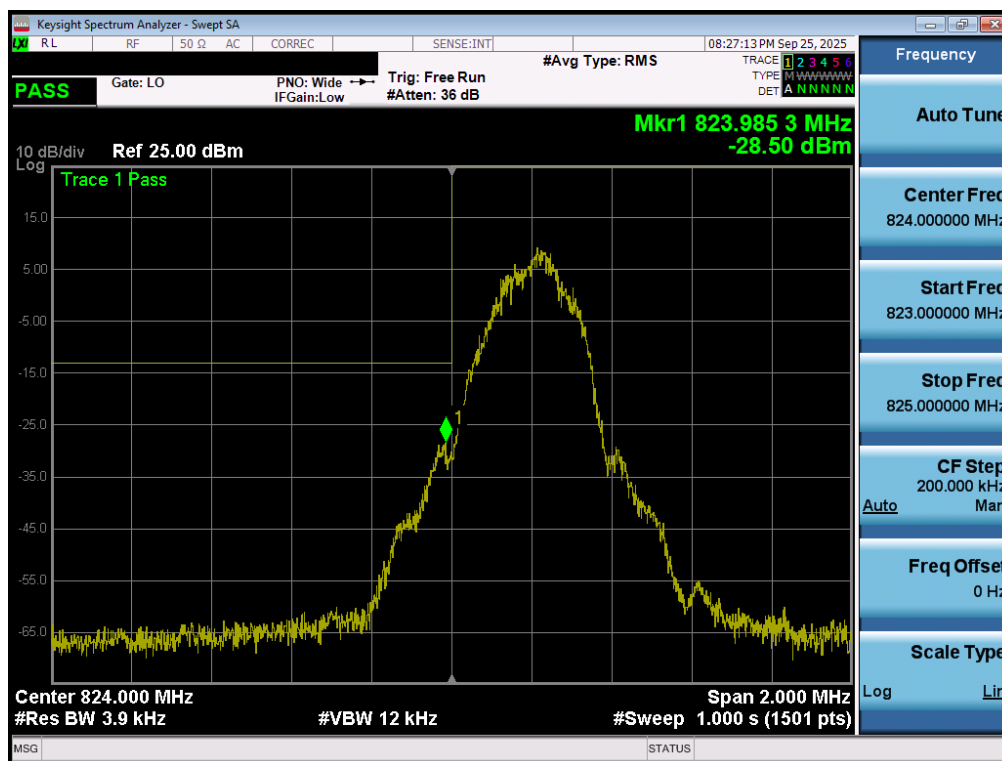
Plot 7-160. Upper Band Edge Plot (NR Band n26/5 – 10.0MHz - Full RB - Ant2)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 115 of 178

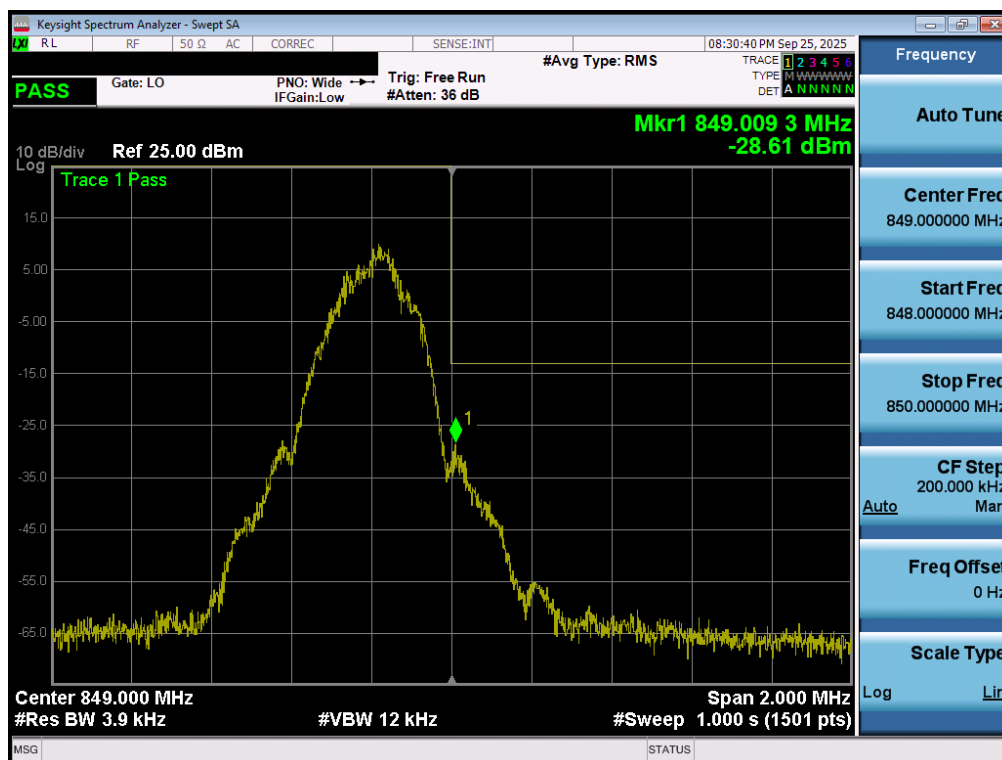


FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 116 of 178

GSM/GPRS Cell – Ant2



Plot 7-163. Lower Band Edge Plot (GPRS Cell – Ch. 128 – Ant2)



Plot 7-164. Upper Band Edge Plot (GPRS Cell – Ch. 251 – Ant2)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 117 of 178

WCDMA Cell – Ant2



Plot 7-165. Lower Band Edge Plot (WCDMA Cell – Ch. 4132 – Ant2)



Plot 7-166. Upper Band Edge Plot (WCDMA Cell – Ch. 4233 – Ant2)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 118 of 178

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.

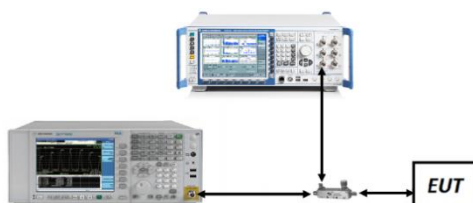


Figure 7-5. Test Instrument & Measurement Setup

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.

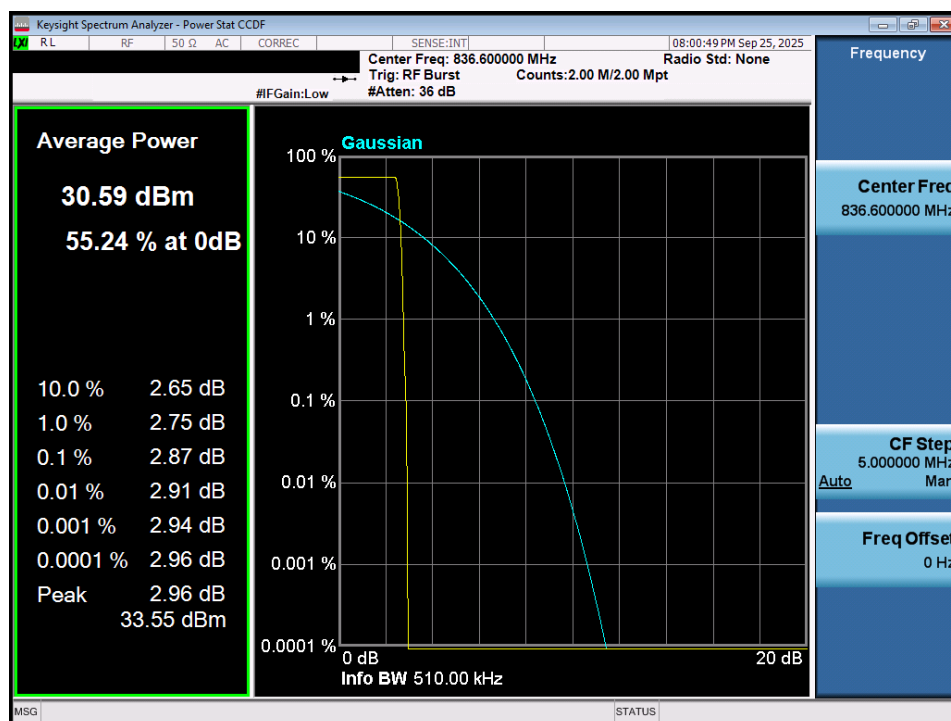
FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 119 of 178

Mode	Bandwidth	Modulation	Average Power [dBm]	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
GSM850	N/A	GMSK	30.59	2.87	13	-10.13
EDGE850		8-PSK	24.36	5.74	13	-7.26
WCDMA850		Spread Spectrum	24.73	2.88	13	-10.12
LTE Band 26/5	15MHz (Band 26 only)	QPSK	23.21	5.94	13	-7.06
		256QAM	19.00	6.54	13	-6.46
	10 MHz	QPSK	23.13	6.11	13	-6.89
		256QAM	19.01	6.60	13	-6.40
	5 MHz	QPSK	23.12	6.17	13	-6.83
		256QAM	19.04	6.61	13	-6.39
	3 MHz	QPSK	23.08	6.00	13	-7.00
		256QAM	19.02	6.64	13	-6.36
	1.4 MHz	QPSK	23.08	6.08	13	-6.92
		256QAM	18.99	6.52	13	-6.48
NR-n26-5	20 MHz	$\pi/2$ BPSK	23.87	4.66	13	-8.34
		QPSK	23.35	5.61	13	-7.39
		256QAM	19.79	6.47	13	-6.53
	15 MHz	$\pi/2$ BPSK	23.89	4.70	13	-8.30
		QPSK	23.38	5.51	13	-7.49
		256QAM	19.79	6.49	13	-6.51
	10 MHz	$\pi/2$ BPSK	23.83	4.74	13	-8.26
		QPSK	23.32	5.72	13	-7.28
		256QAM	19.81	6.35	13	-6.65
	5 MHz	$\pi/2$ BPSK	23.81	4.63	13	-8.37
		QPSK	23.30	5.79	13	-7.21
		256QAM	19.72	6.75	13	-6.25

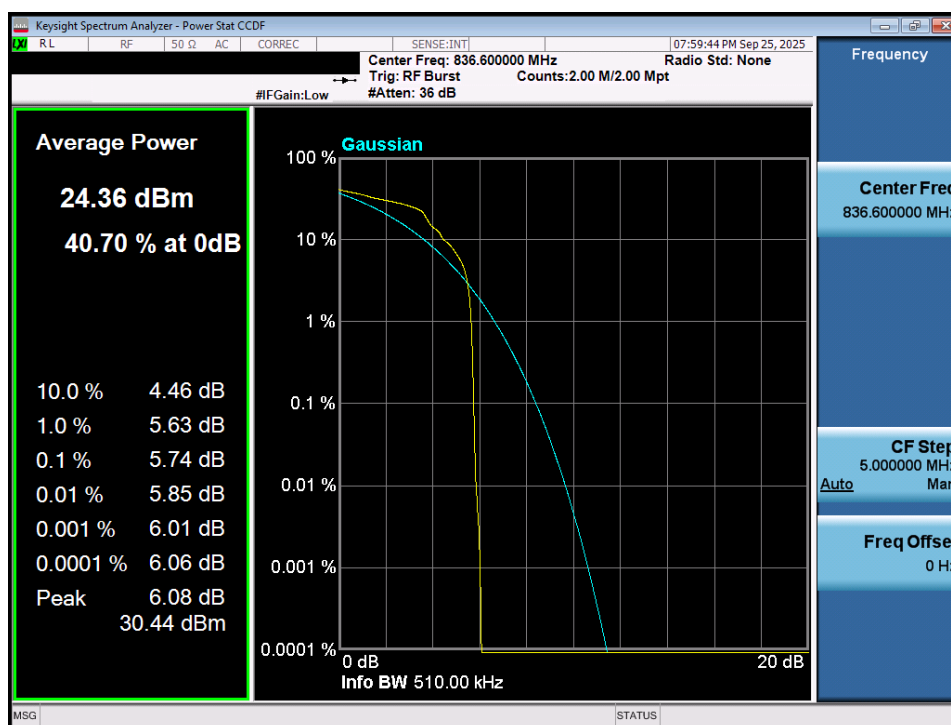
Table 7-11. Peak-Average Ratio Results – Ant1

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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GPRS Cell – Ant1



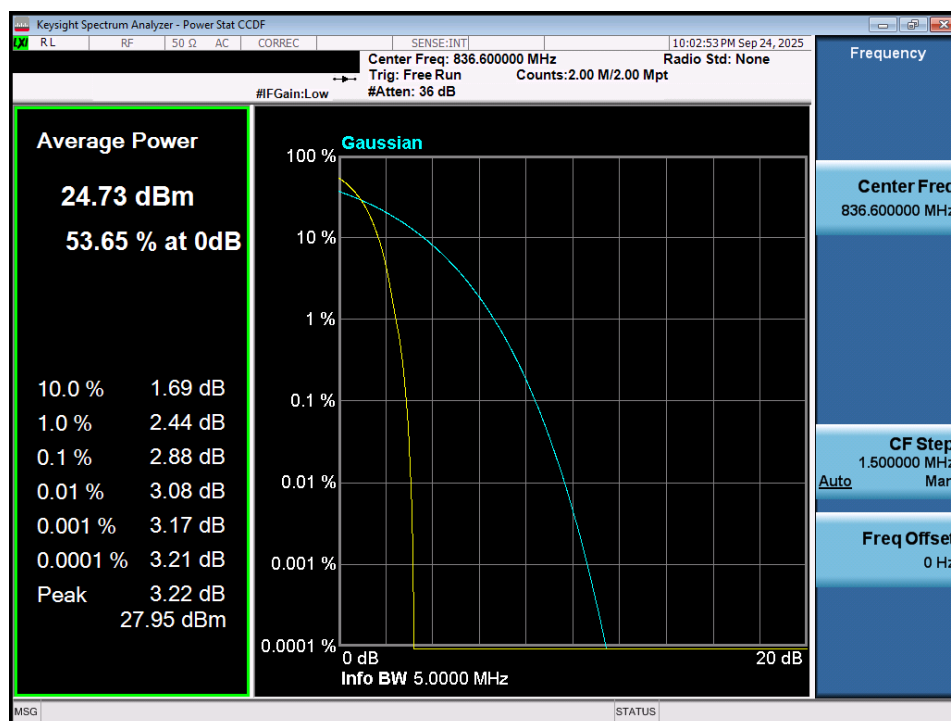
Plot 7-167. Peak-Average Ratio Plot (GPRS, Ch. 190 – Ant1)



Plot 7-168. Peak-Average Ratio Plot (EDGE, Ch. 190 – Ant1)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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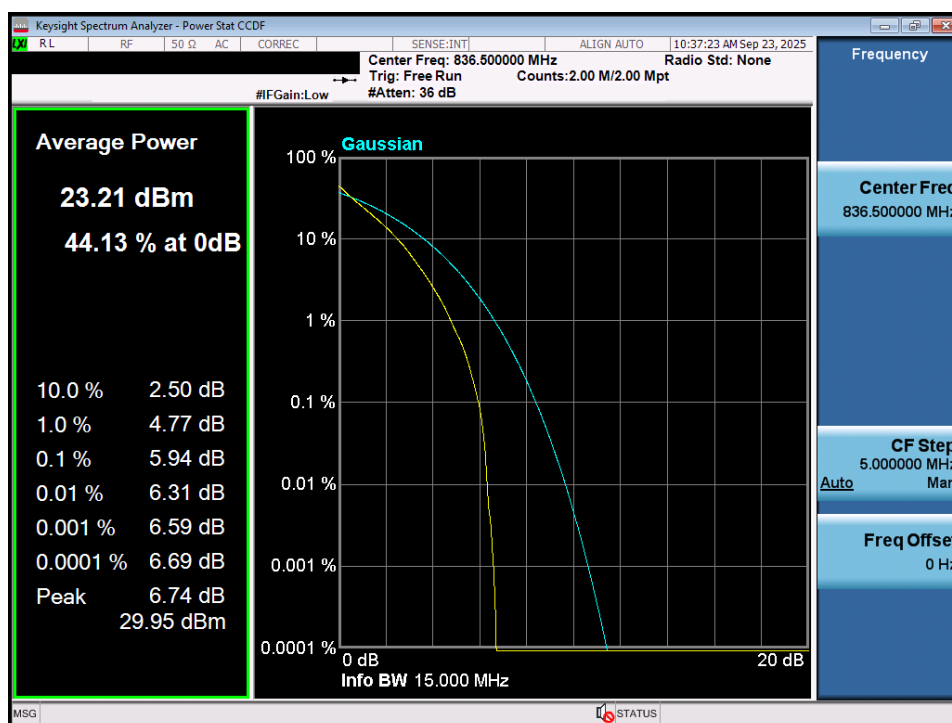
WCDMA Cell – Ant1



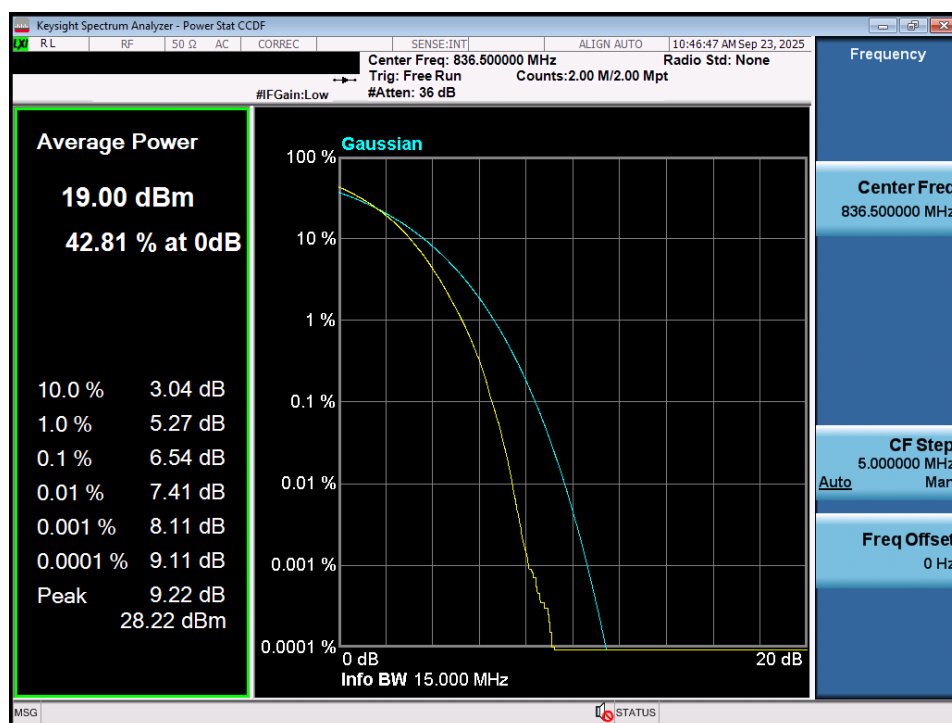
Plot 7-169. Peak-Average Ratio Plot (WCDMA, Ch. 4183 – Ant1)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 26/5 – Ant1



Plot 7-170. Peak-Average Ratio Plot (LTE Band 26/5 - 15MHz QPSK - Full RB - Ant1)



Plot 7-171. Peak-Average Ratio Plot (LTE Band 26/5 - 15MHz 256-QAM - Full RB - Ant1)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 123 of 178