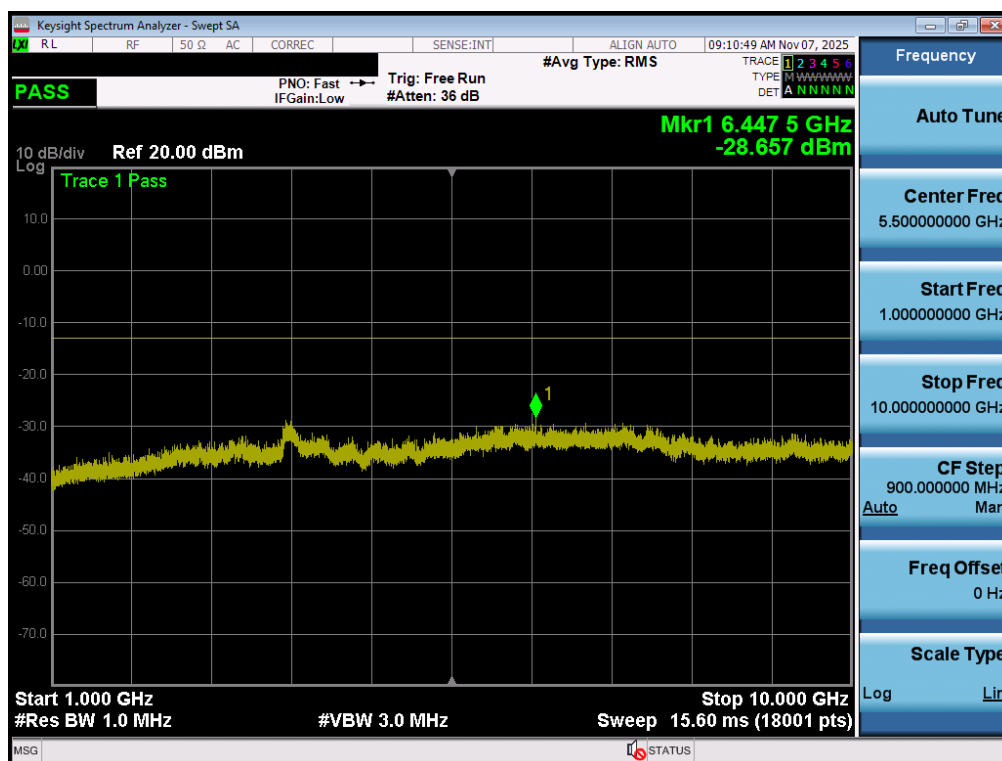
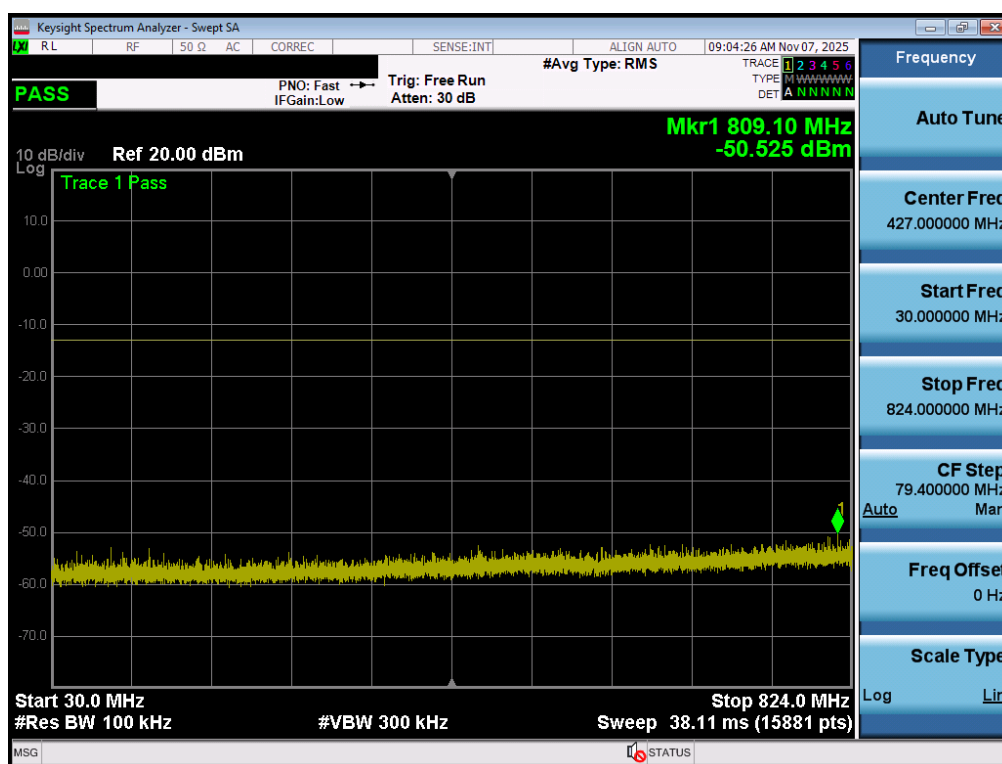


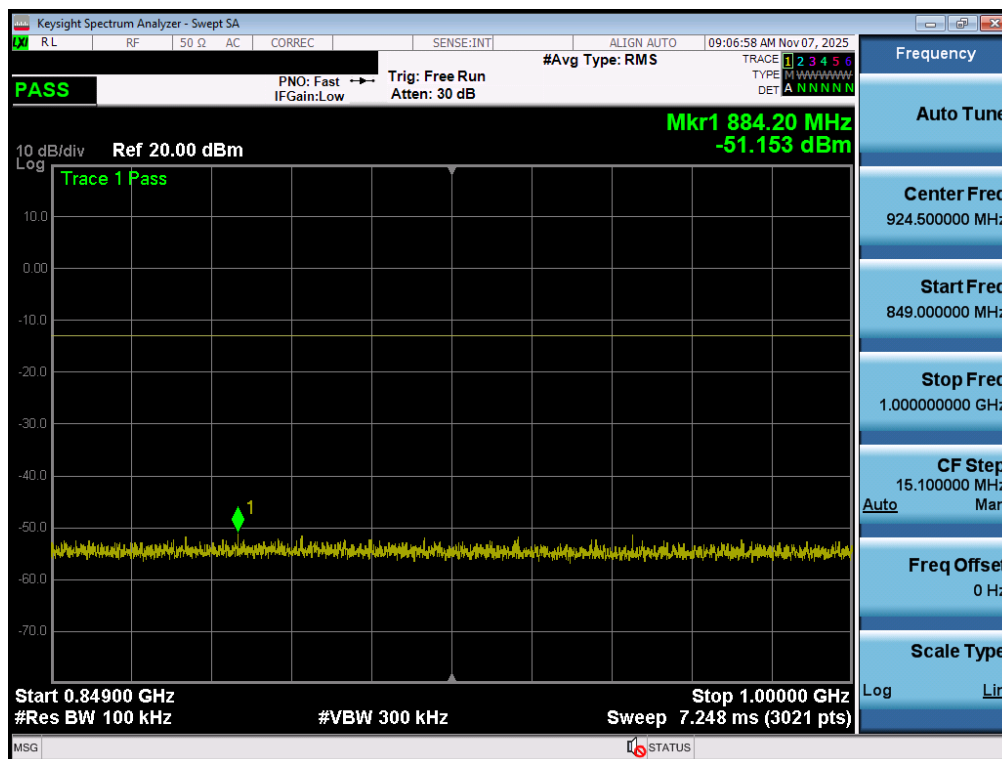


Plot 7-71. Conducted Spurious Plot (GPRS Ch. 128 – Ant1)

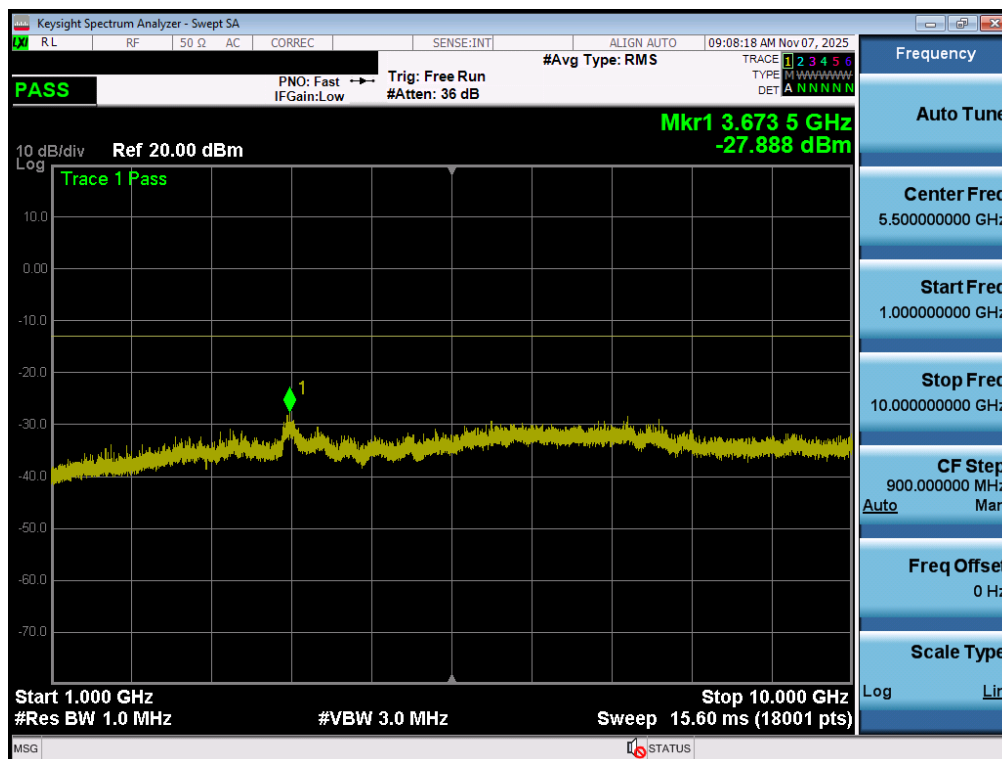


Plot 7-72. Conducted Spurious Plot (GPRS Ch. 190 – Ant1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 60 of 162

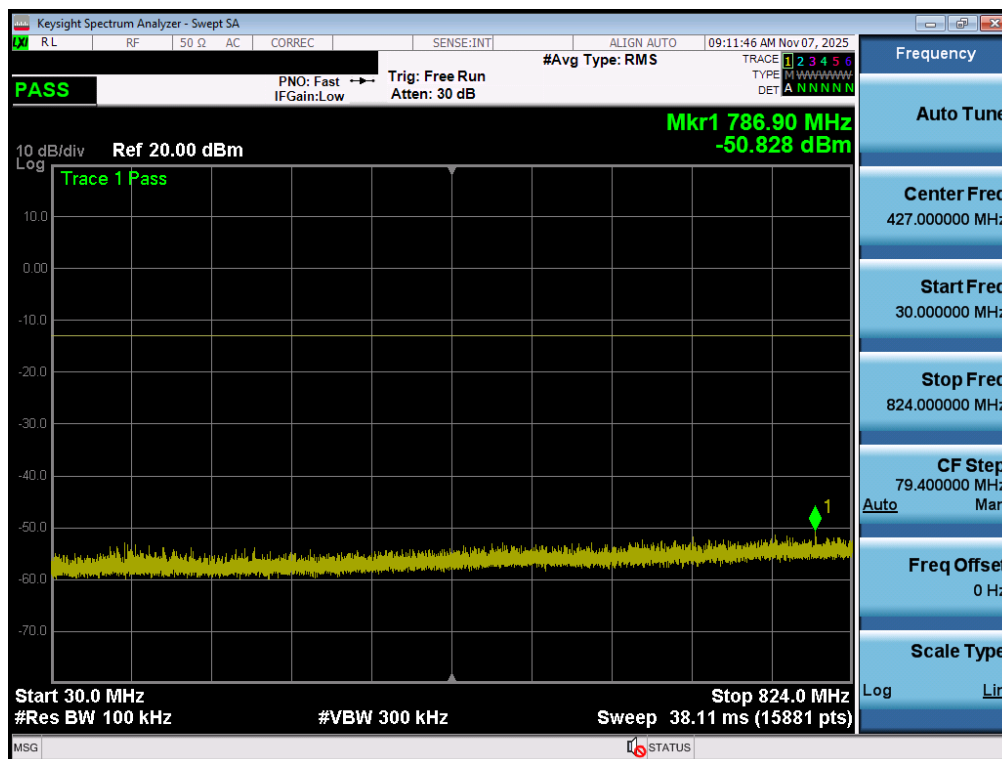


Plot 7-73. Conducted Spurious Plot (GPRS Ch. 190 – Ant1)

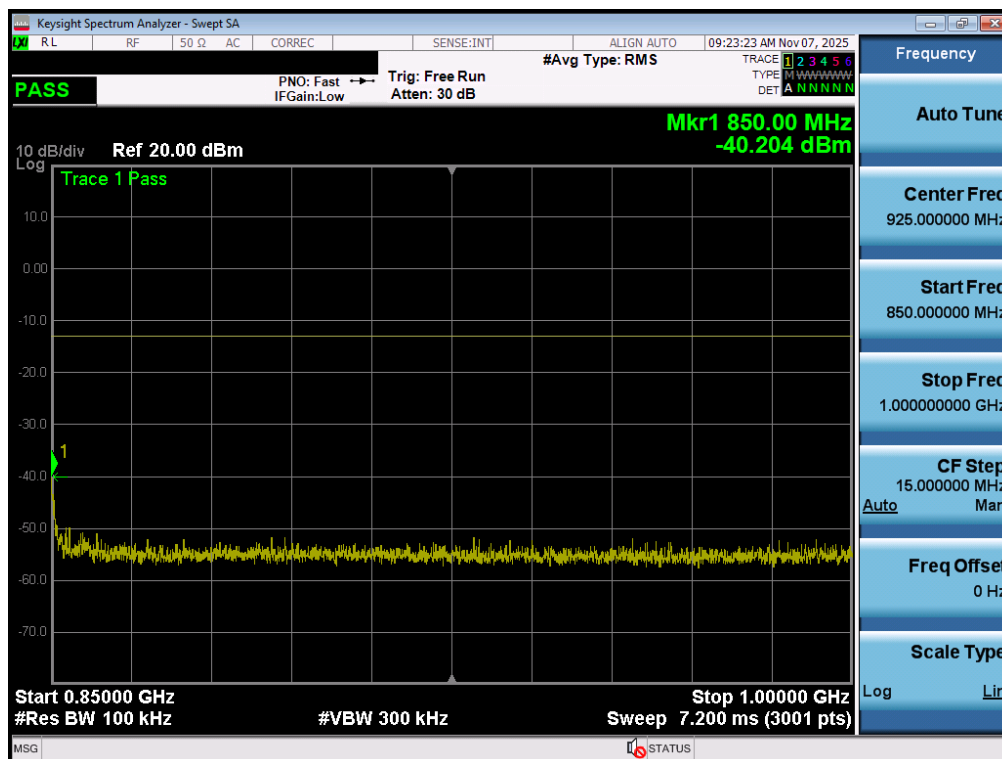


Plot 7-74. Conducted Spurious Plot (GPRS Ch. 190 – Ant1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 61 of 162

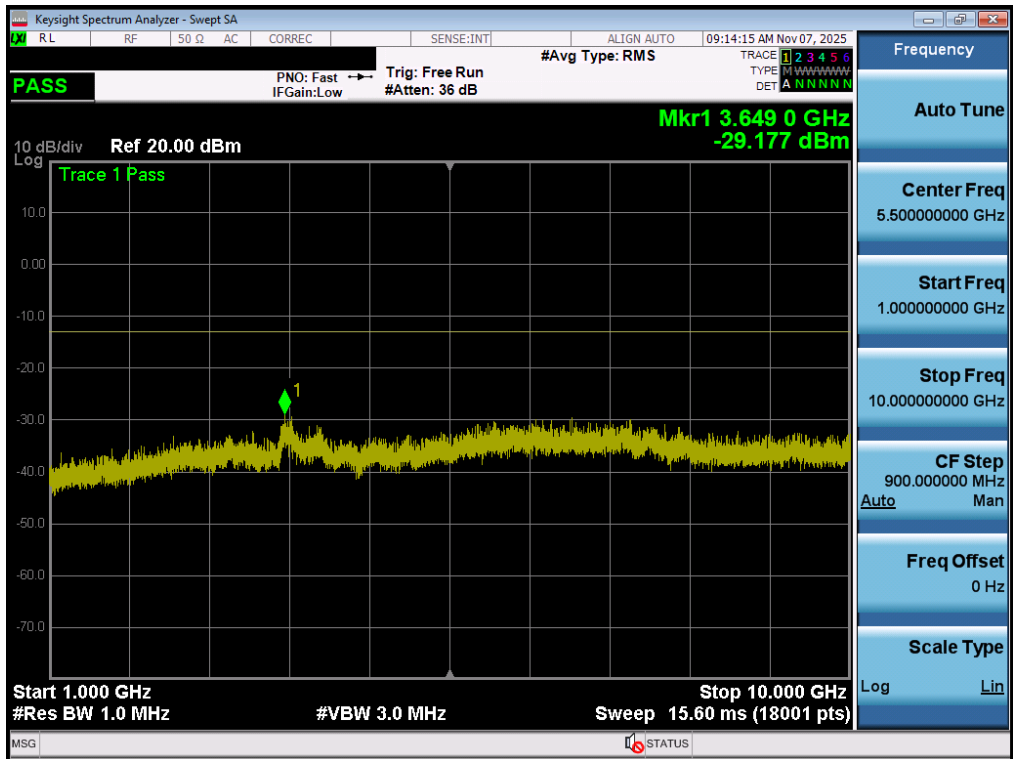


Plot 7-75. Conducted Spurious Plot (GPRS Ch. 251 – Ant1)



Plot 7-76. Conducted Spurious Plot (GPRS Ch. 251 – Ant1)

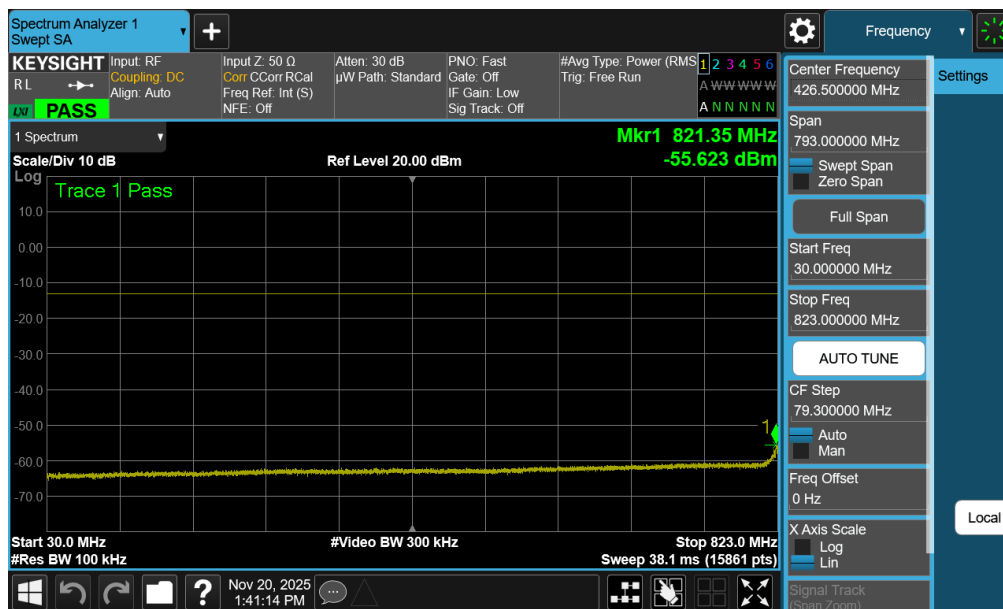
FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 62 of 162



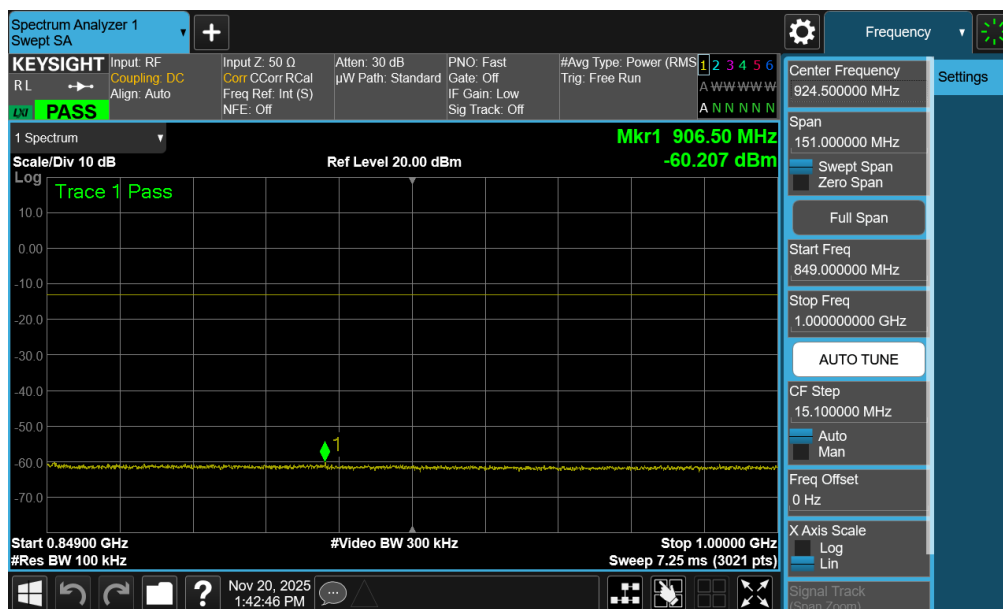
Plot 7-77. Conducted Spurious Plot (GPRS Ch. 251 – Ant1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 63 of 162

WCDMA Cell – Ant1

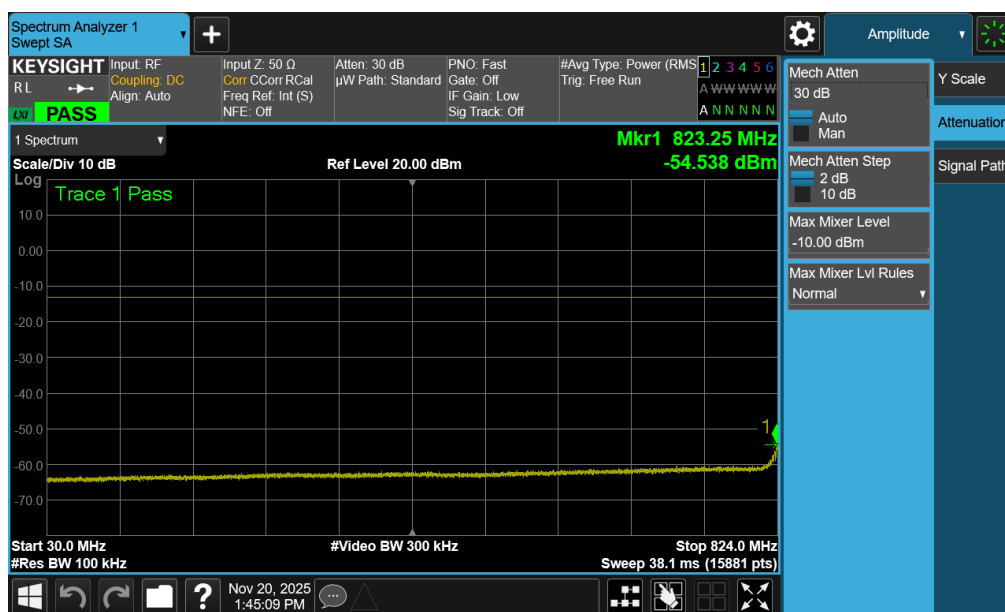
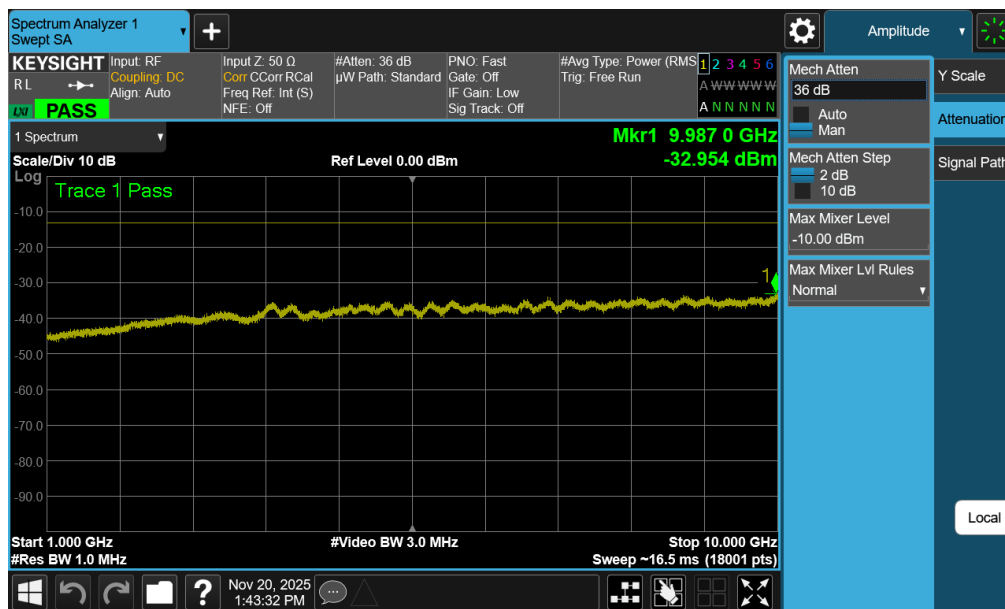


Plot 7-78. Conducted Spurious Plot (WCDMA Ch. 4132 – Ant1)

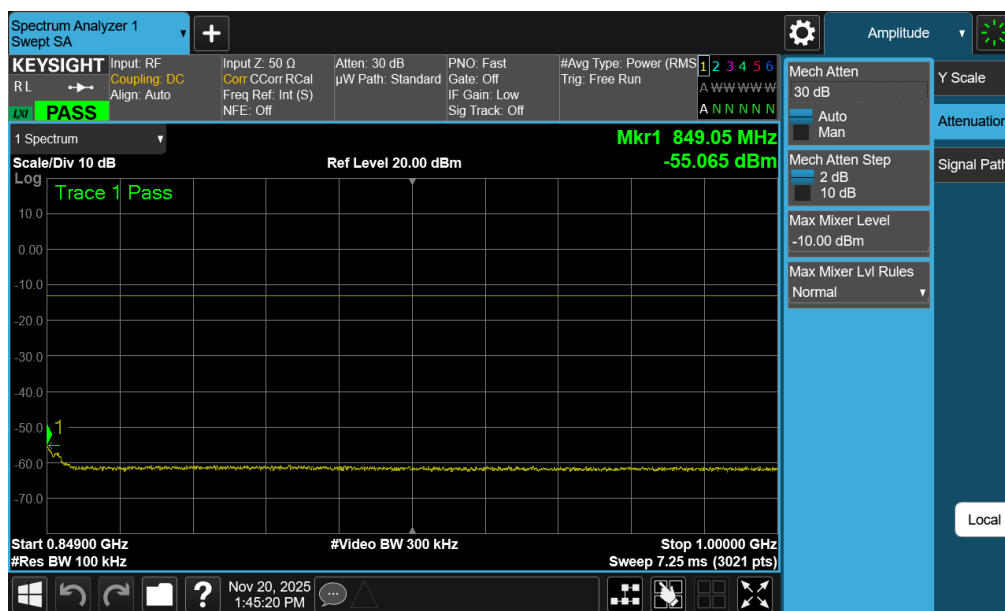


Plot 7-79. Conducted Spurious Plot (WCDMA Ch. 4132 – Ant1)

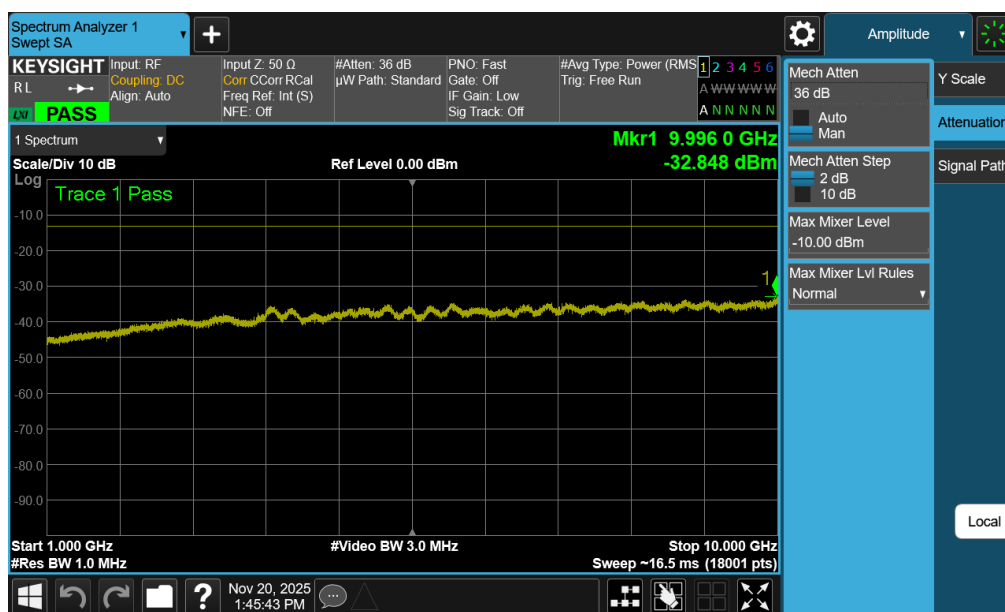
FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 64 of 162



FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 65 of 162

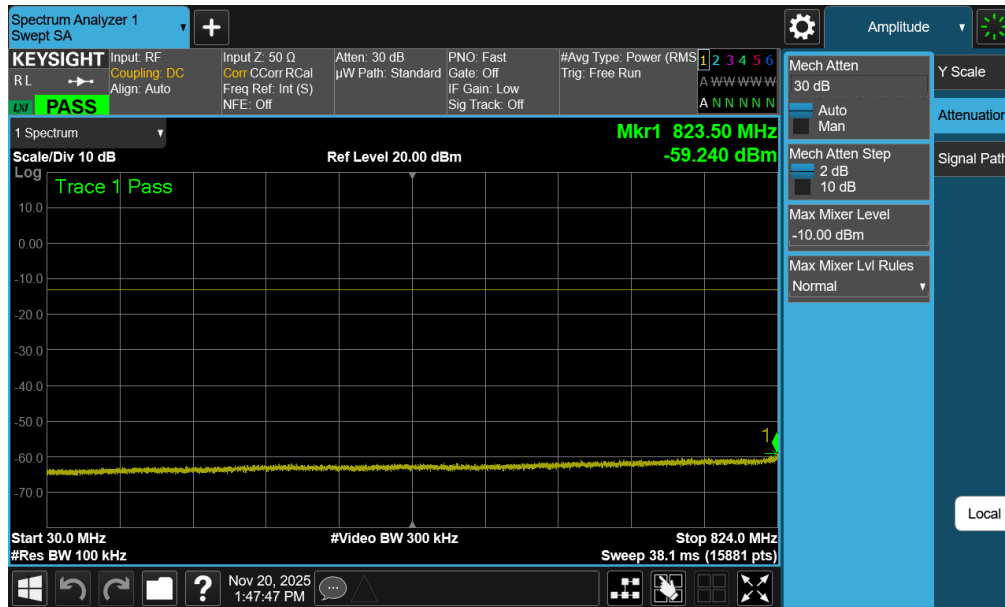


Plot 7-82. Conducted Spurious Plot (WCDMA Ch. 4183 – Ant1)

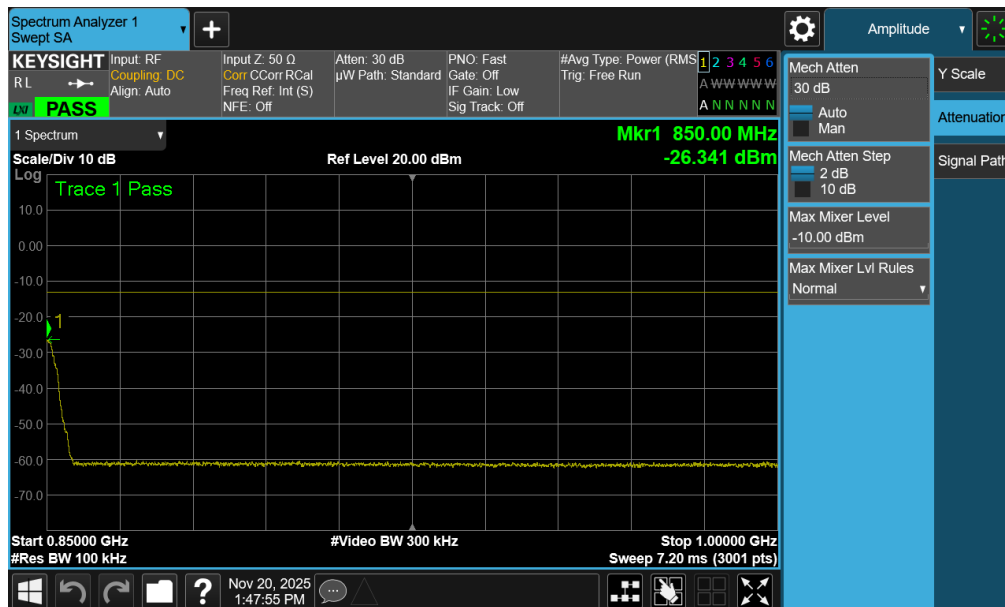


Plot 7-83. Conducted Spurious Plot (WCDMA Ch. 4183 – Ant1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 66 of 162

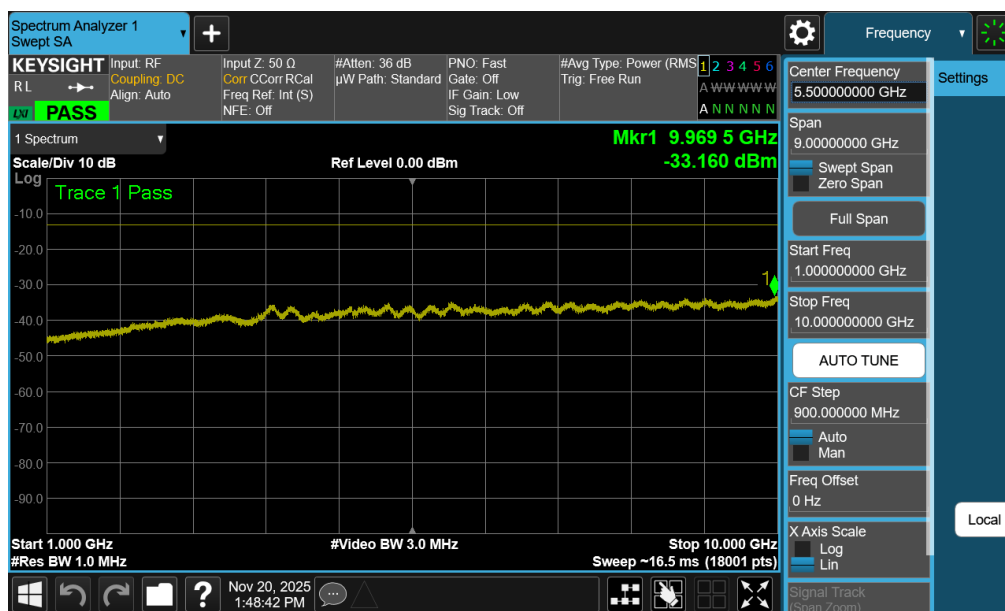


Plot 7-84. Conducted Spurious Plot (WCDMA Ch. 4233 – Ant1)



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

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 67 of 162



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

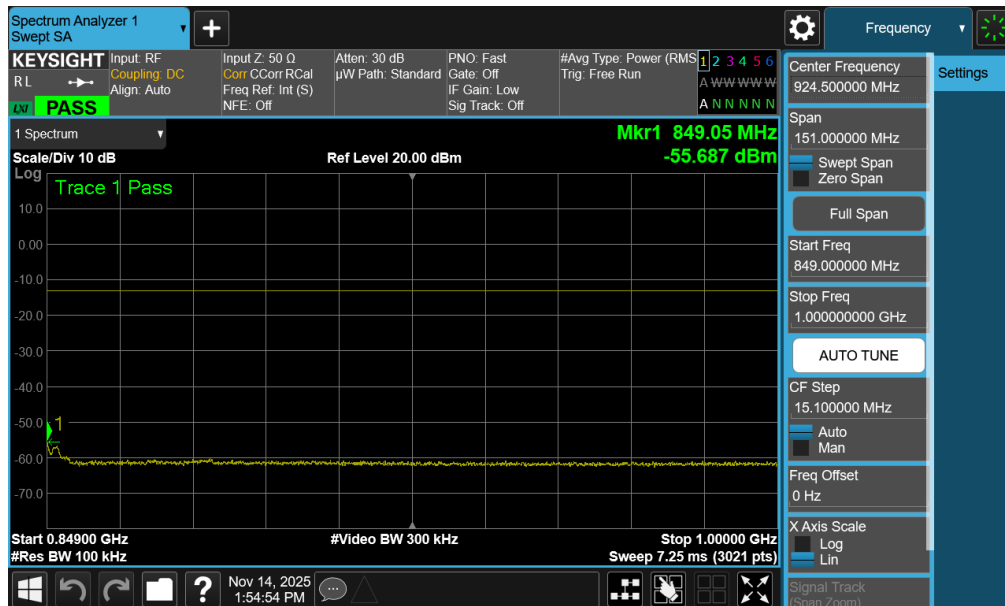
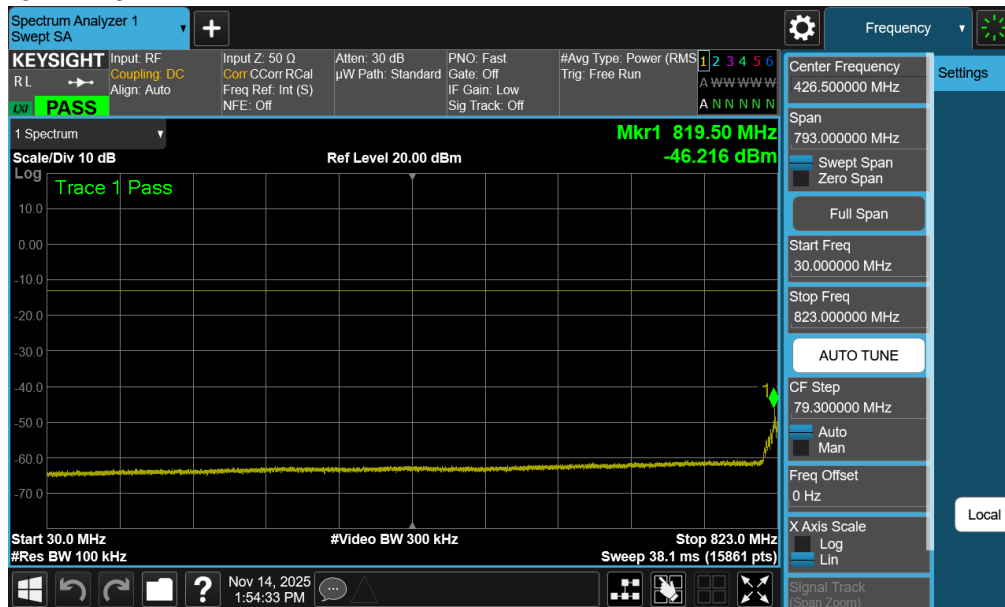
FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 68 of 162

Mode	Bandwidth	Channel	Range [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]
GSM-Cell	250kHz	Low	30.0 - 823.0	-22.576	-13.0	-9.58
		Low	849.0 - 1000.0	-50.50	-13.0	-37.50
		Low	1000.0 - 10000.0	-24.72	-13.0	-11.72
		Mid	30.0 - 824.0	-50.26	-13.0	-37.26
		Mid	849.0 - 1000.0	-49.92	-13.0	-36.92
		Mid	1000.0 - 10000.0	-25.29	-13.0	-12.29
		High	30.0 - 824.0	-51.12	-13.0	-38.11
		High	850.0 - 1000.0	-36.18	-13.0	-23.18
		High	1000.0 - 10000.0	-24.92	-13.0	-11.92
WCDMA-Cell	5MHz	Low	30.0 - 823.0	-32.08	-13.0	-19.08
		Low	849.0 - 1000.0	-60.36	-13.0	-47.36
		Low	1000.0 - 10000.0	-32.85	-13.0	-19.85
		Mid	30.0 - 824.0	-55.06	-13.0	-42.06
		Mid	849.0 - 1000.0	-55.93	-13.0	-42.93
		Mid	1000.0 - 10000.0	-33.49	-13.0	-20.49
		High	30.0 - 824.0	-59.44	-13.0	-46.44
		High	850.0 - 1000.0	-27.62	-13.0	-14.62
		High	1000.0 - 10000.0	-32.80	-13.0	-19.80
LTE-B26-5	15MHz	Low	30.0 - 823.0	-46.22	-13.0	-33.22
		Low	849.0 - 1000.0	-55.69	-13.0	-42.69
		Low	1000.0 - 10000.0	-39.50	-13.0	-26.50
		Mid	30.0 - 824.0	-48.57	-13.0	-35.57
		Mid	849.0 - 1000.0	-51.58	-13.0	-38.58
		Mid	1000.0 - 10000.0	-39.56	-13.0	-26.55
		High	30.0 - 824.0	-52.89	-13.0	-39.89
		High	850.0 - 1000.0	-53.90	-13.0	-40.90
		High	1000.0 - 10000.0	-39.67	-13.0	-26.66
NR-n5	20MHz	Low	30.0 - 824.0	-46.82	-13.0	-33.82
		Low	849.0 - 1000.0	-54.10	-13.0	-41.10
		Low	1000.0 - 10000.0	-39.17	-13.0	-26.17
		Mid	30.0 - 824.0	-47.13	-13.0	-34.13
		Mid	849.0 - 1000.0	-49.49	-13.0	-36.49
		Mid	1000.0 - 10000.0	-39.36	-13.0	-26.36
		High	30.0 - 824.0	-49.86	-13.0	-36.86
		High	849.0 - 1000.0	-49.94	-13.0	-36.94
		High	1000.0 - 10000.0	-39.66	-13.0	-26.66

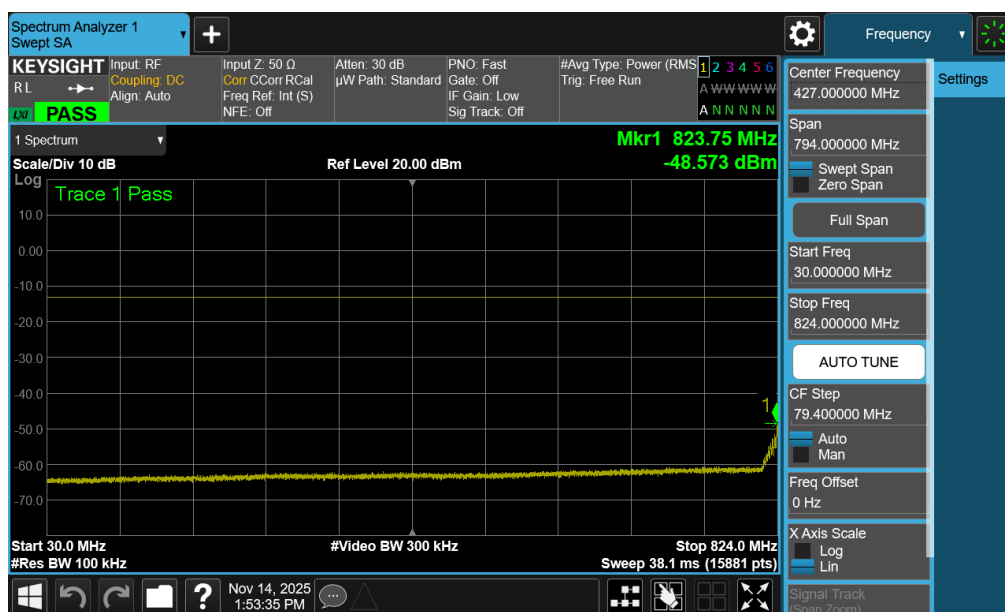
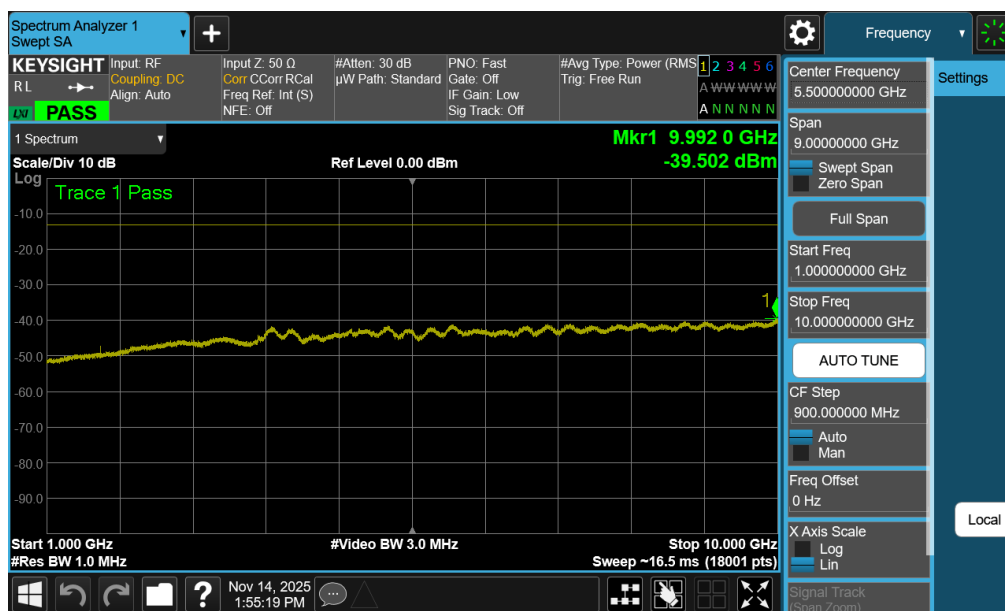
Table 7-9. Conducted Emission Test Results – Ant2

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 69 of 162

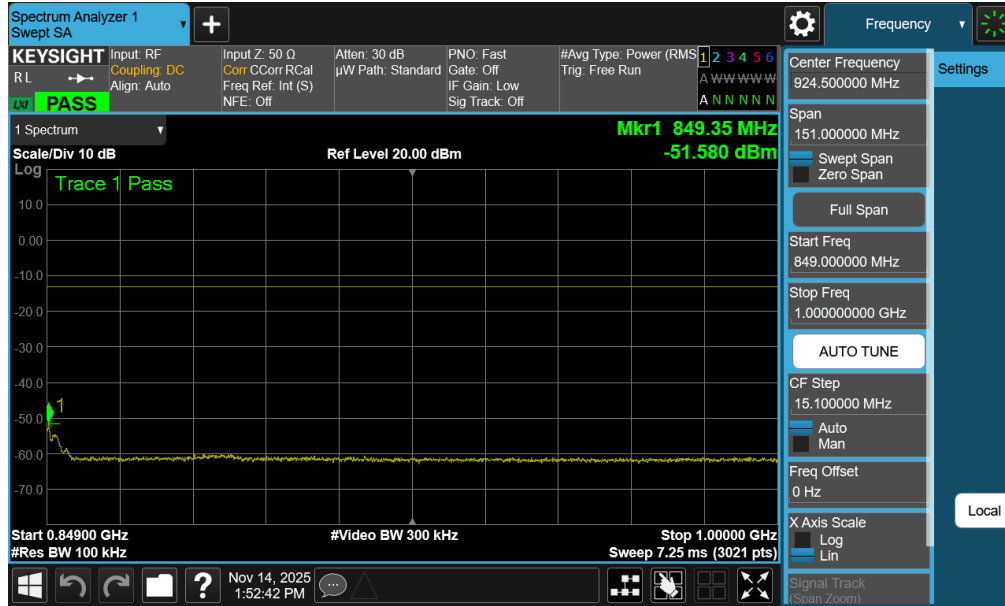
LTE Band 26 – Ant2



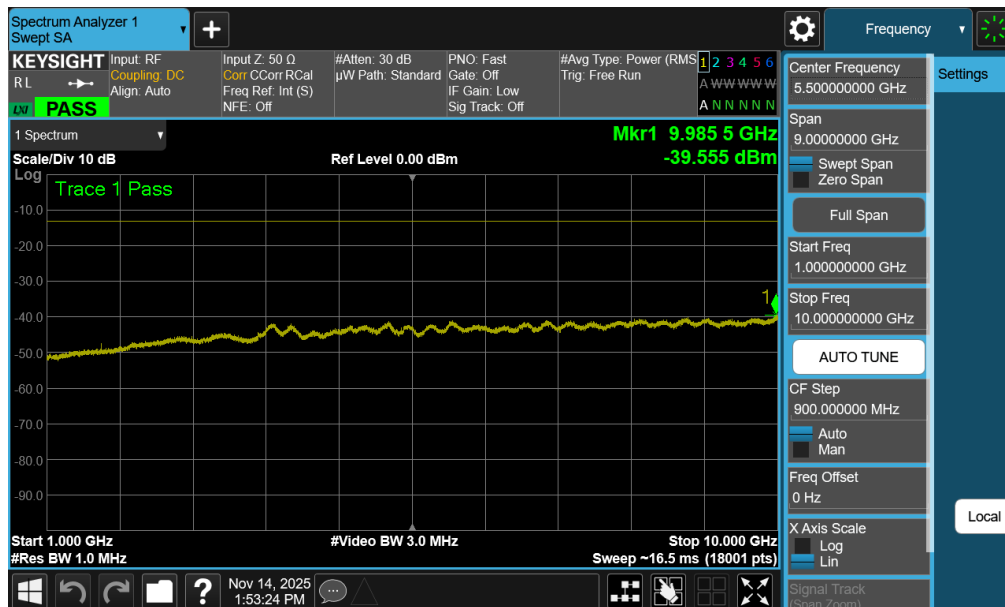
FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 70 of 162



FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 71 of 162

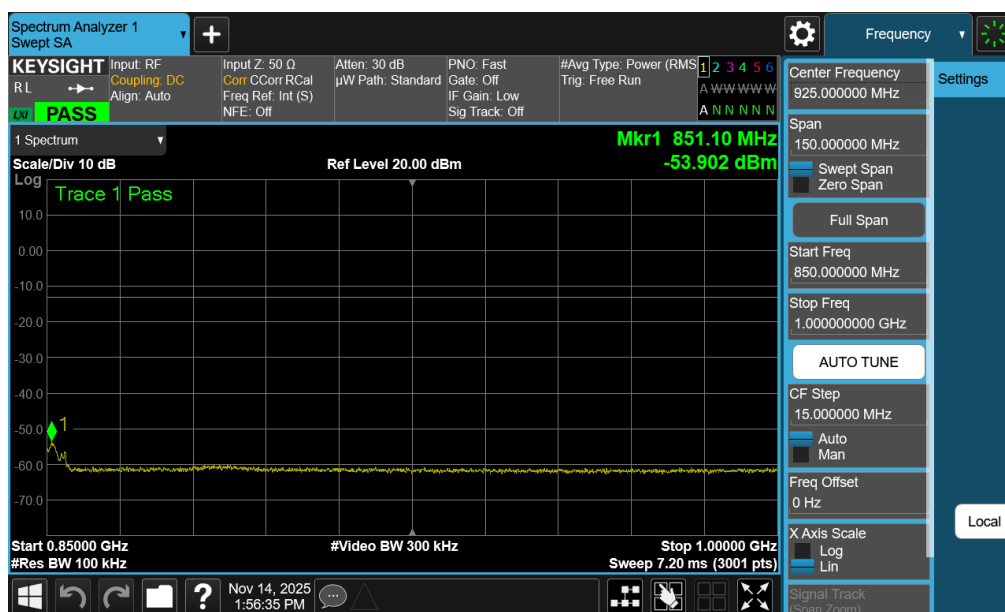
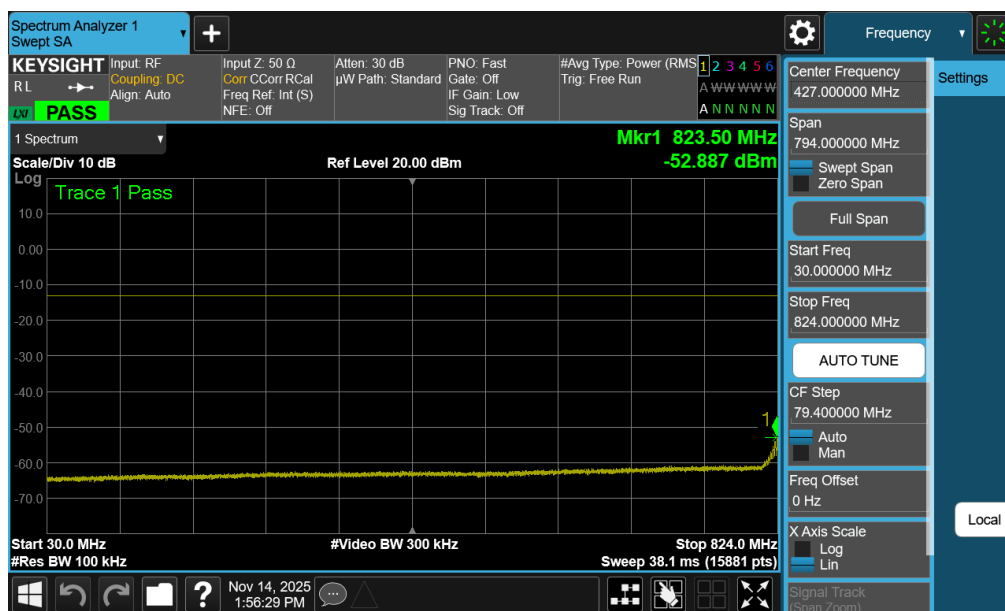


Plot 7-91. Conducted Spurious Plot (LTE Band 26 - 15MHz QPSK - 1 RB - Mid Channel – Ant2)

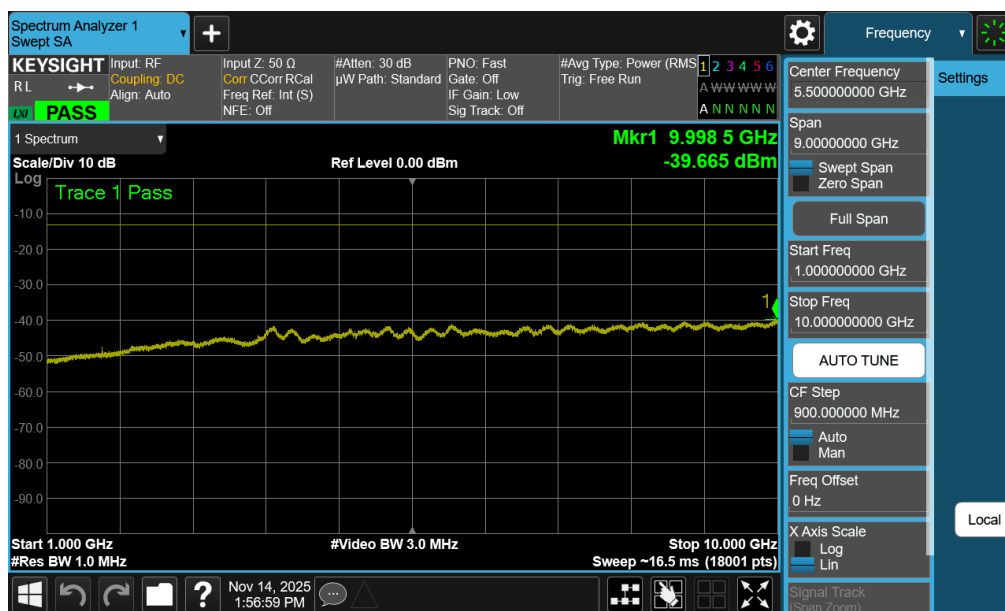


Plot 7-92. Conducted Spurious Plot (LTE Band 26 - 15MHz QPSK - 1 RB - Mid Channel – Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 72 of 162



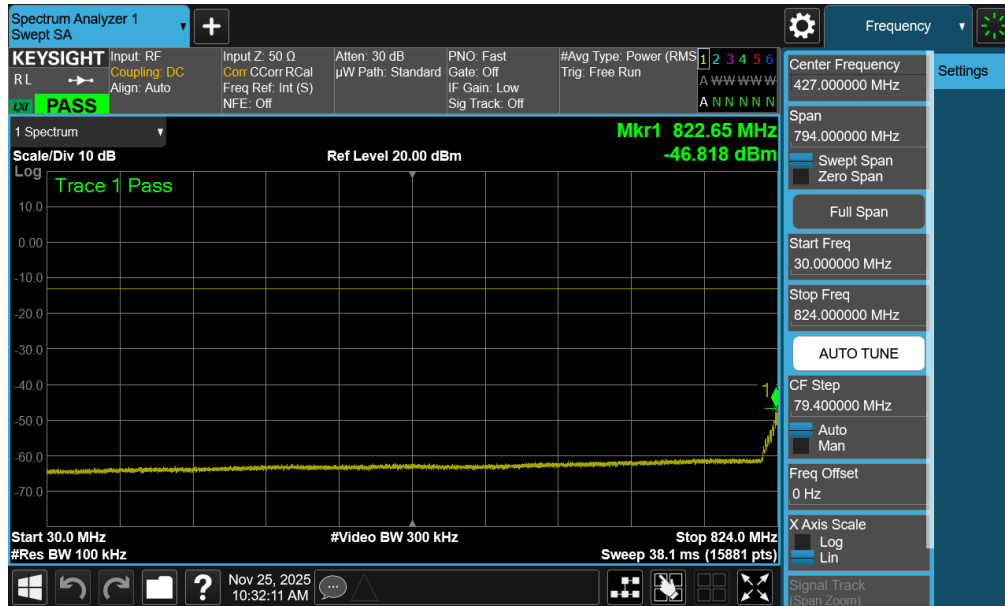
FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 73 of 162



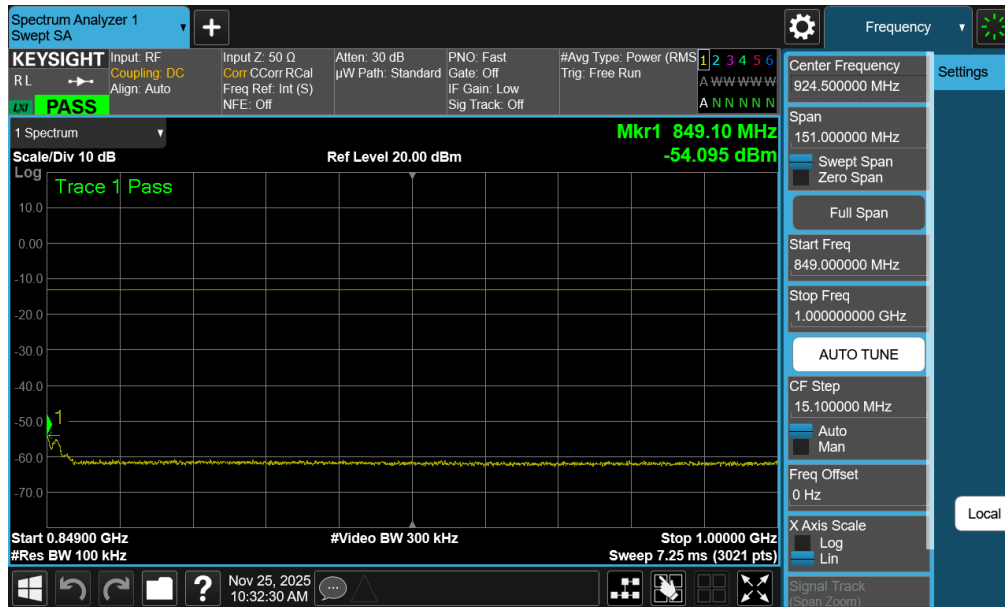
Plot 7-95. Conducted Spurious Plot (LTE Band 26 - 15MHz QPSK - 1 RB - High Channel – Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 74 of 162

NR Band n5 – Ant2

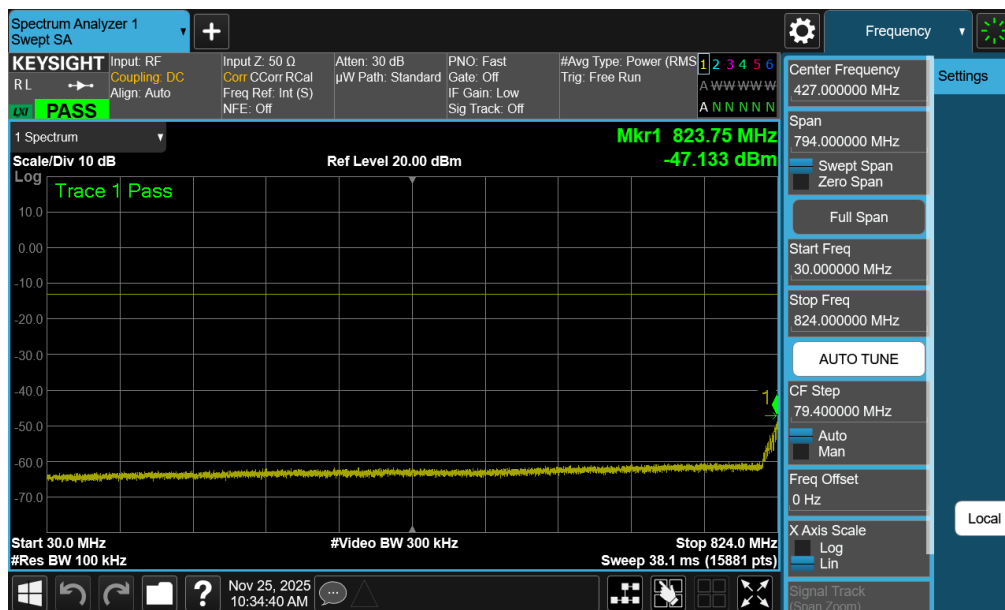
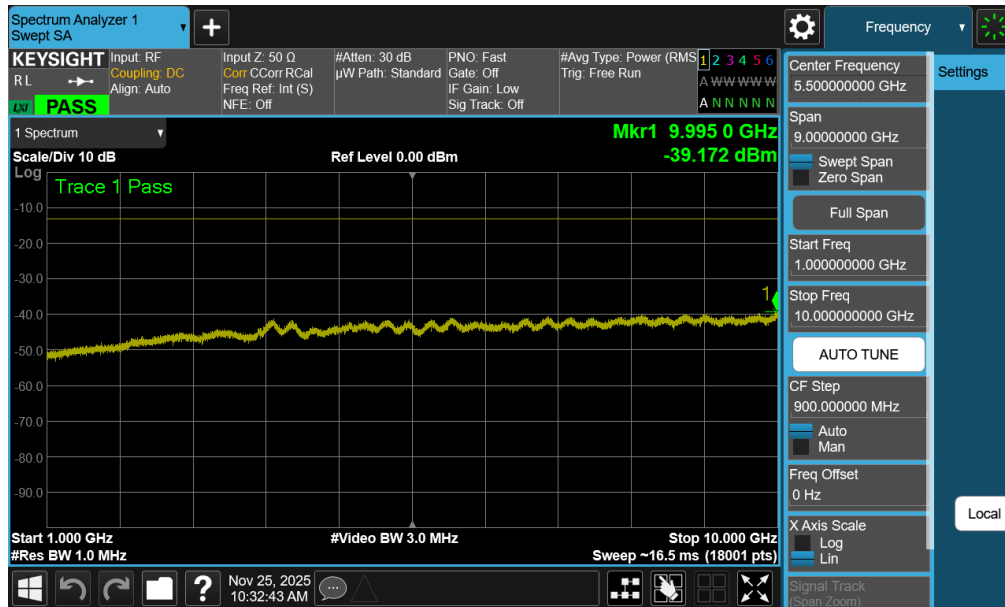


Plot 7-96. Conducted Spurious Plot (NR Band n5 - 20.0MHz - 1 RB - Low Channel - Ant2)

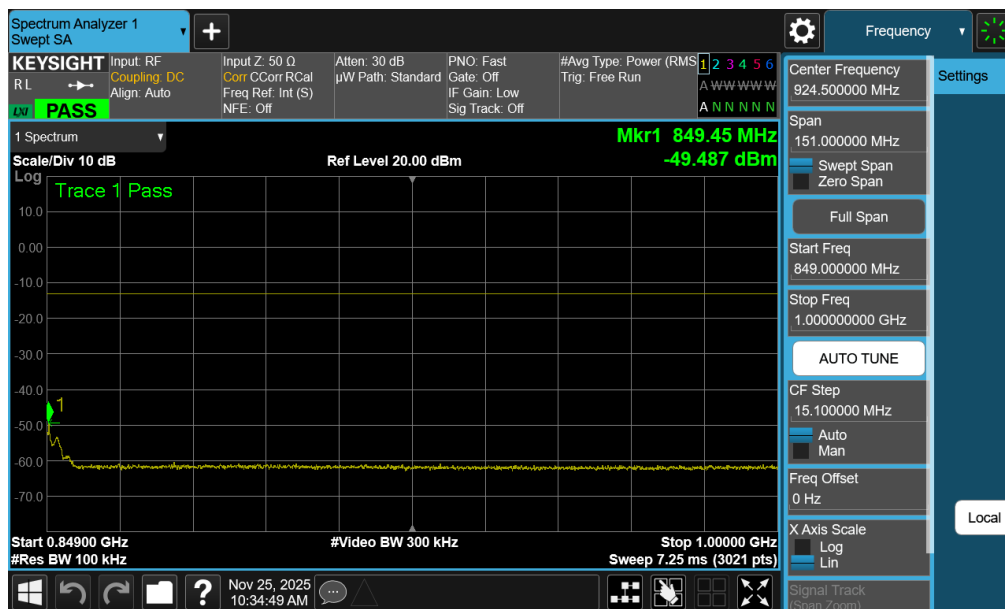


Plot 7-97. Conducted Spurious Plot (NR Band n5 - 20.0MHz - 1 RB - Low Channel - Ant2)

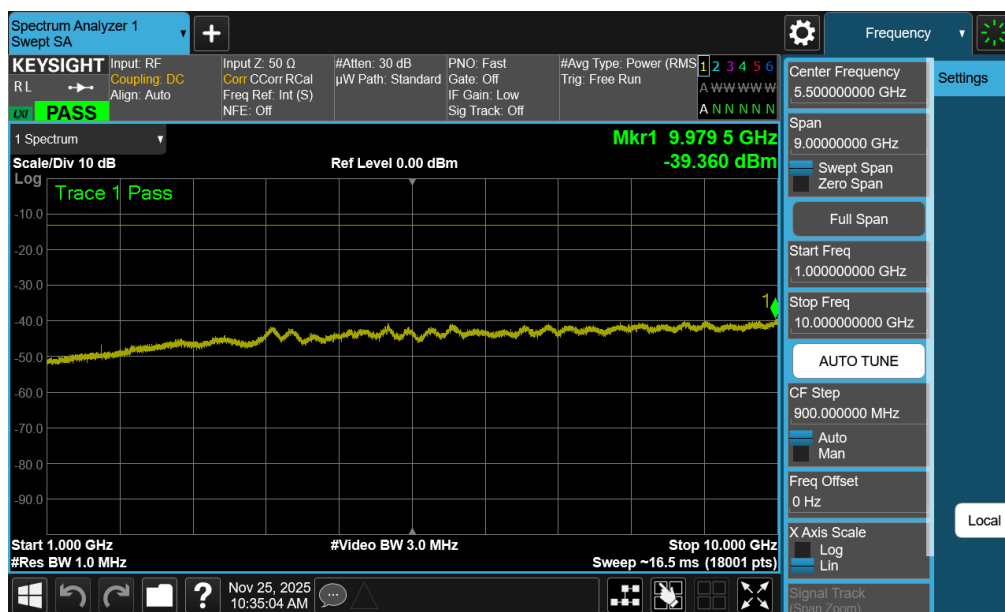
FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 75 of 162



FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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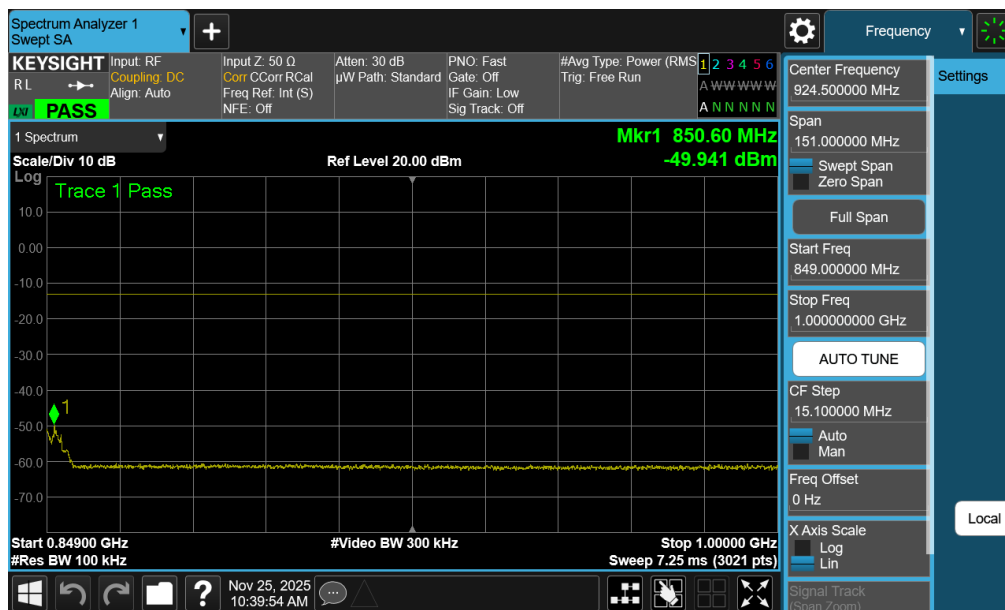
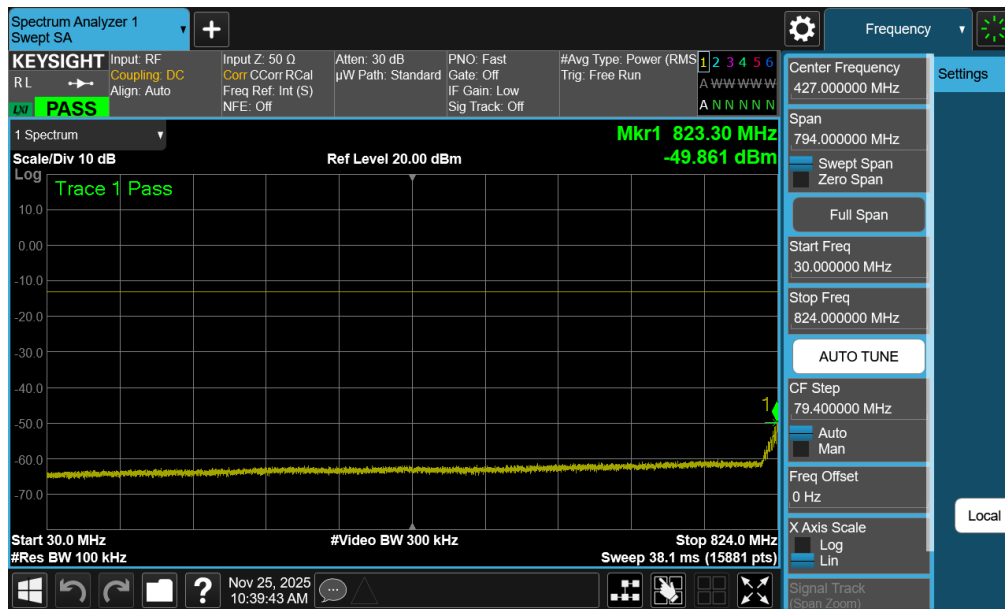


Plot 7-100. Conducted Spurious Plot (NR Band n5 - 20.0MHz - 1 RB - Mid Channel - Ant2)

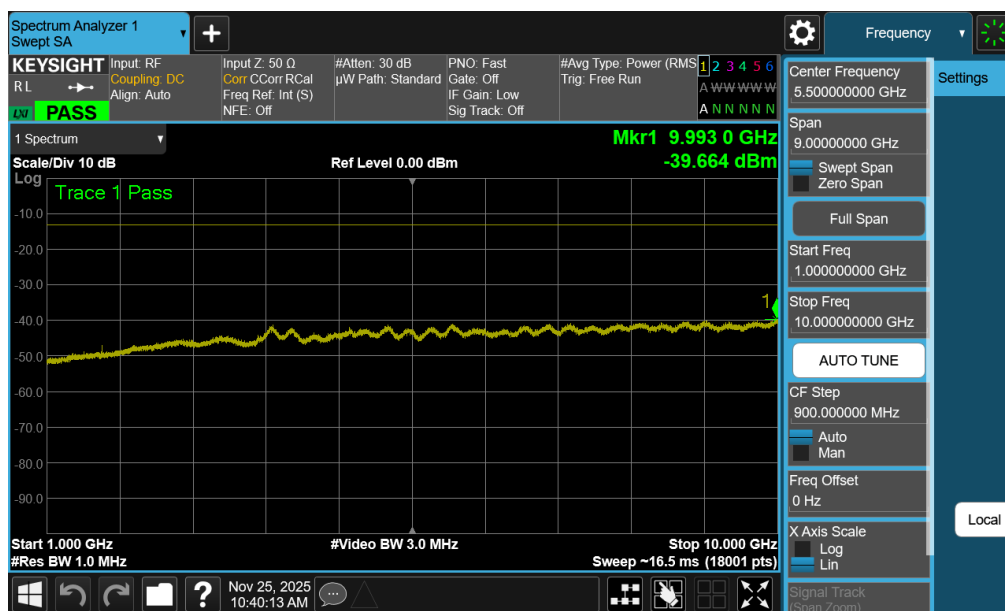


Plot 7-101. Conducted Spurious Plot (NR Band n5 - 20.0MHz - 1 RB - Mid Channel - Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 77 of 162



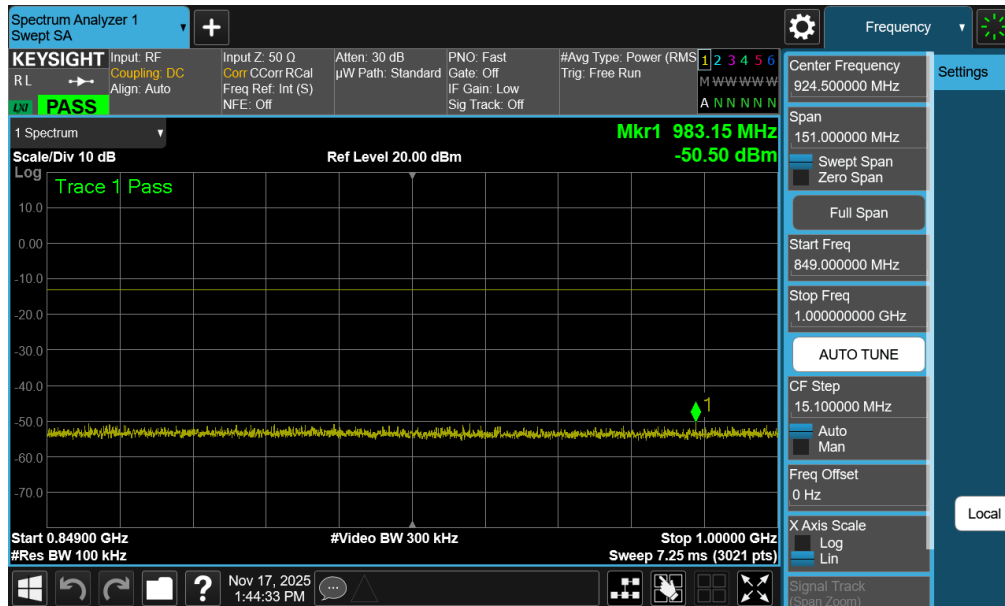
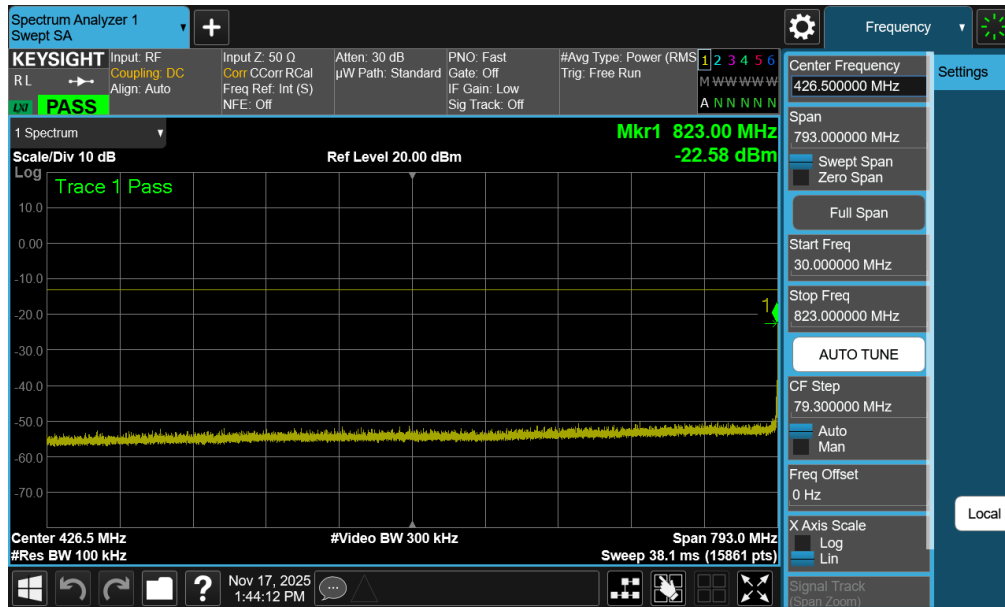
FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 78 of 162



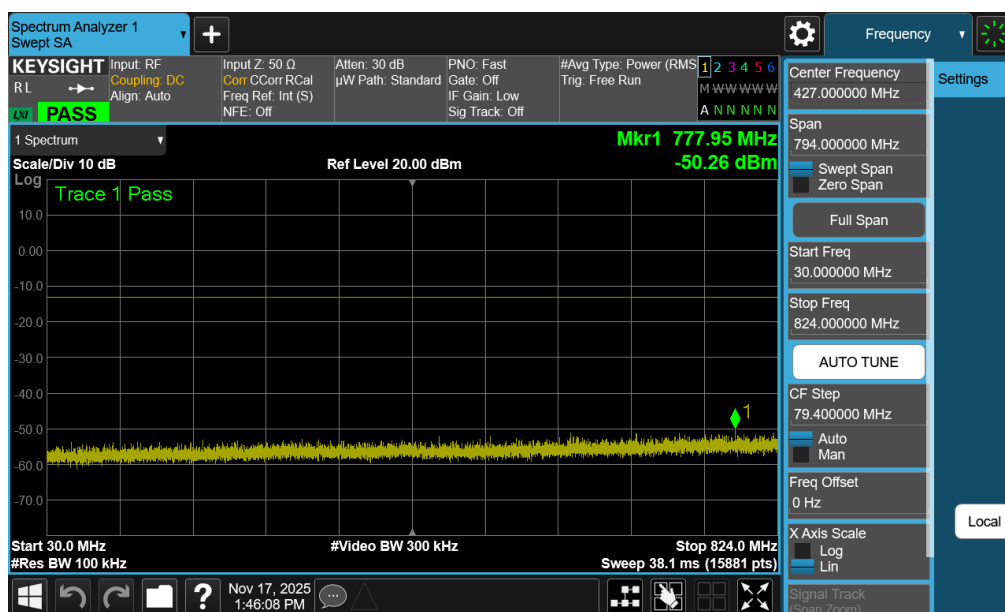
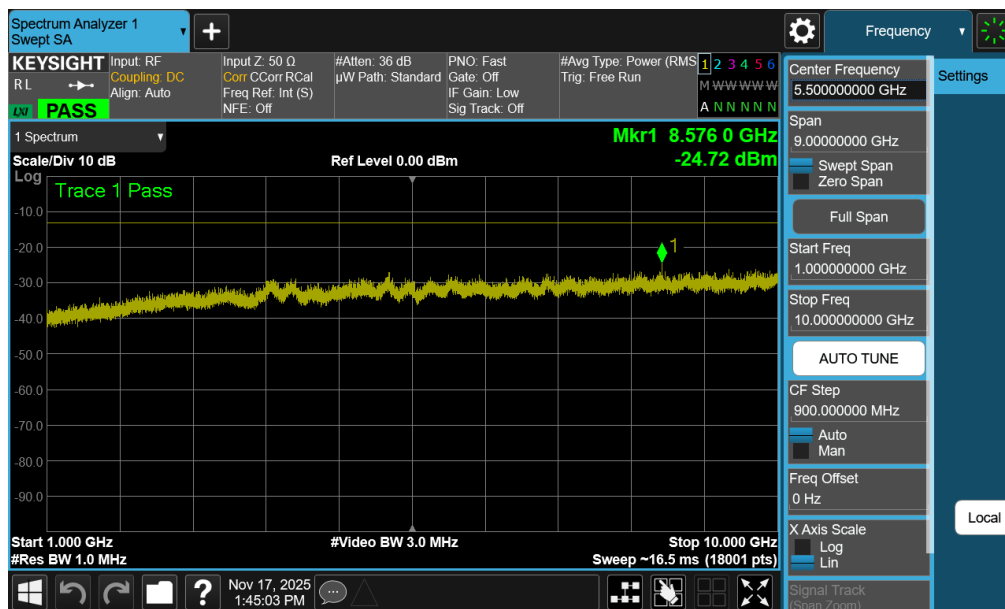
Plot 7-104. Conducted Spurious Plot (NR Band n5 - 20.0MHz - 1 RB - High Channel - Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 79 of 162

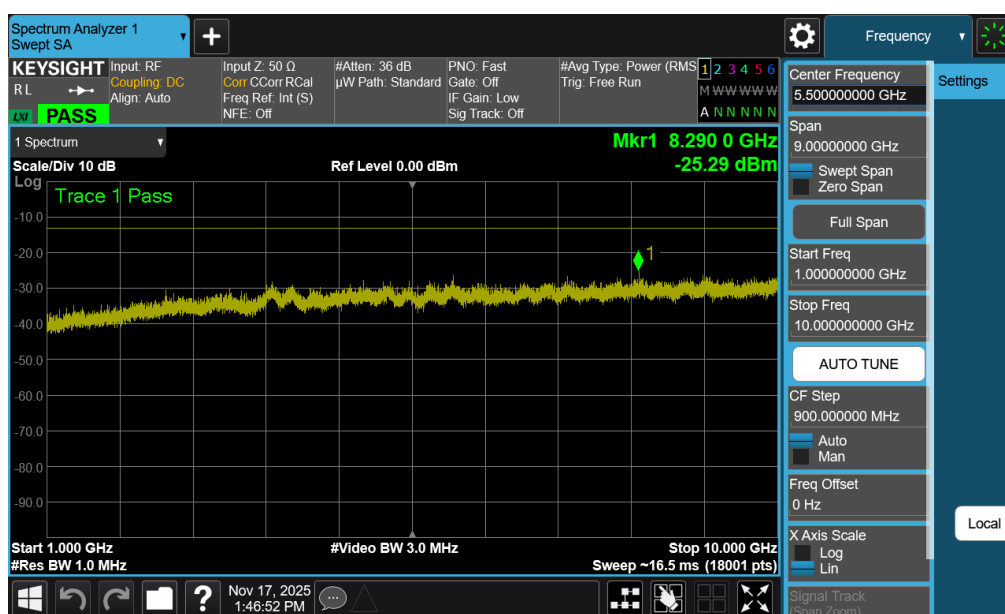
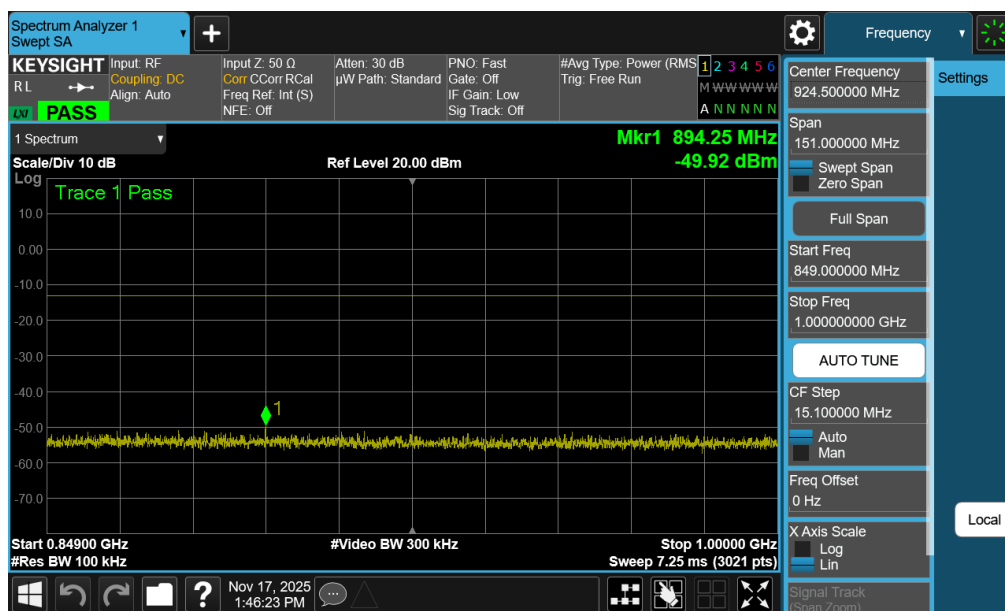
GSM/GPRS Cell – Ant2



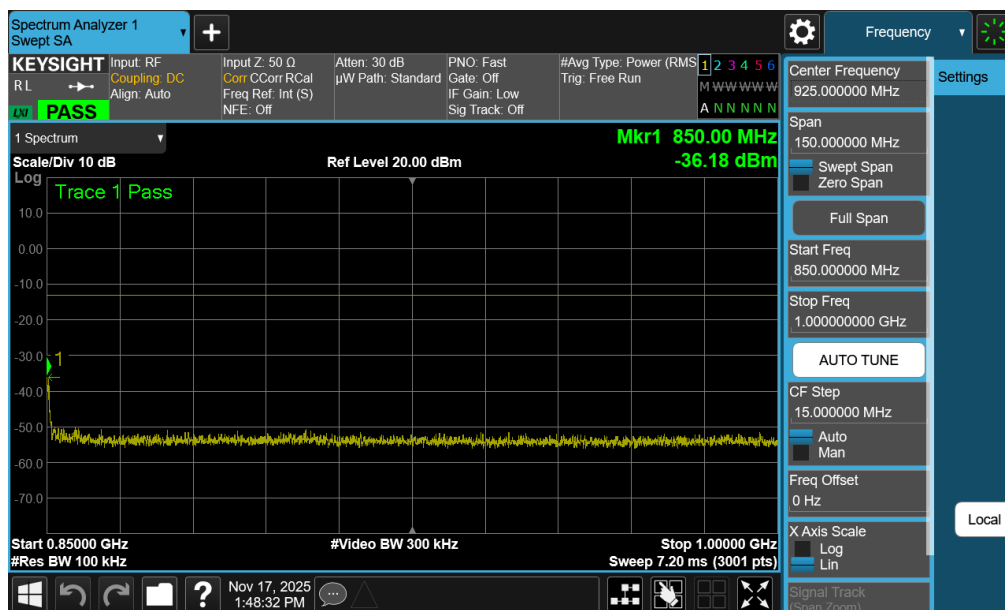
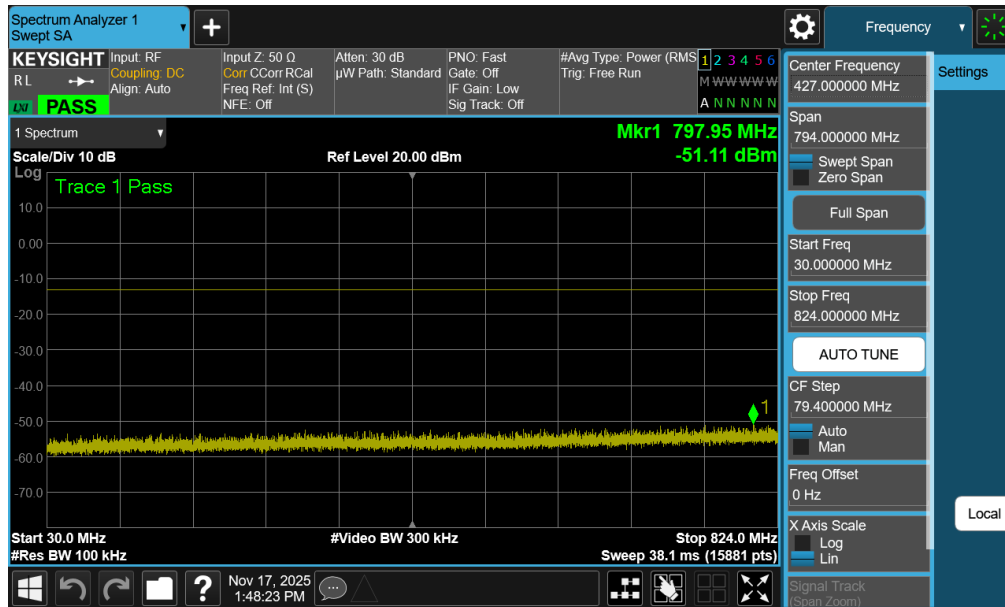
FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 80 of 162



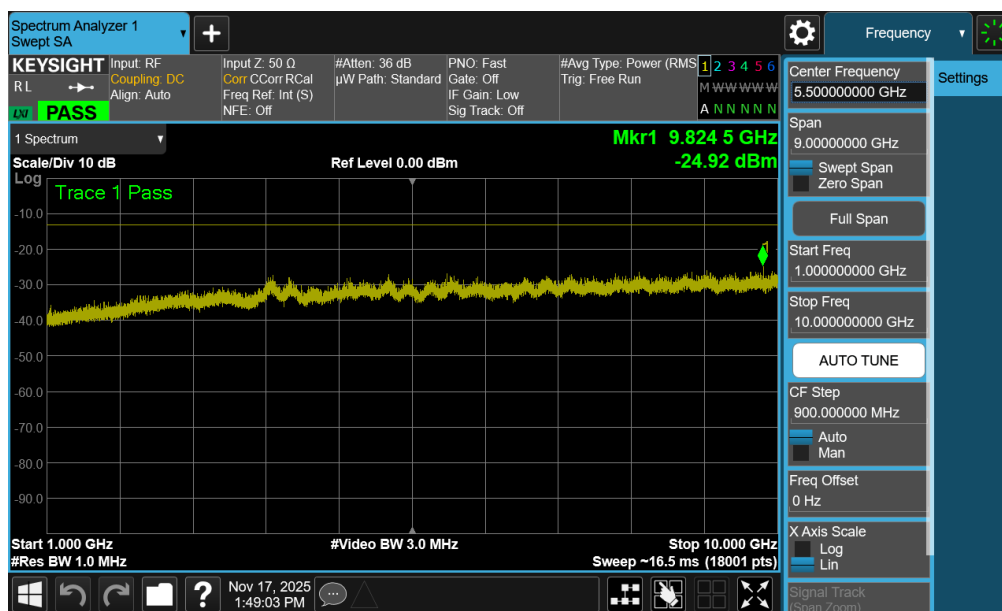
FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 81 of 162



FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 82 of 162



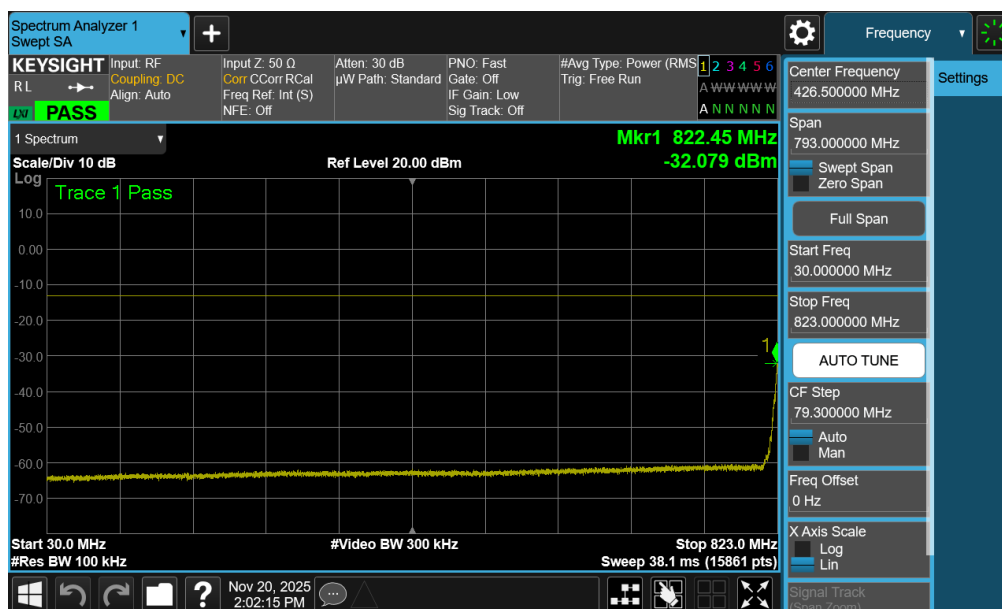
FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 83 of 162



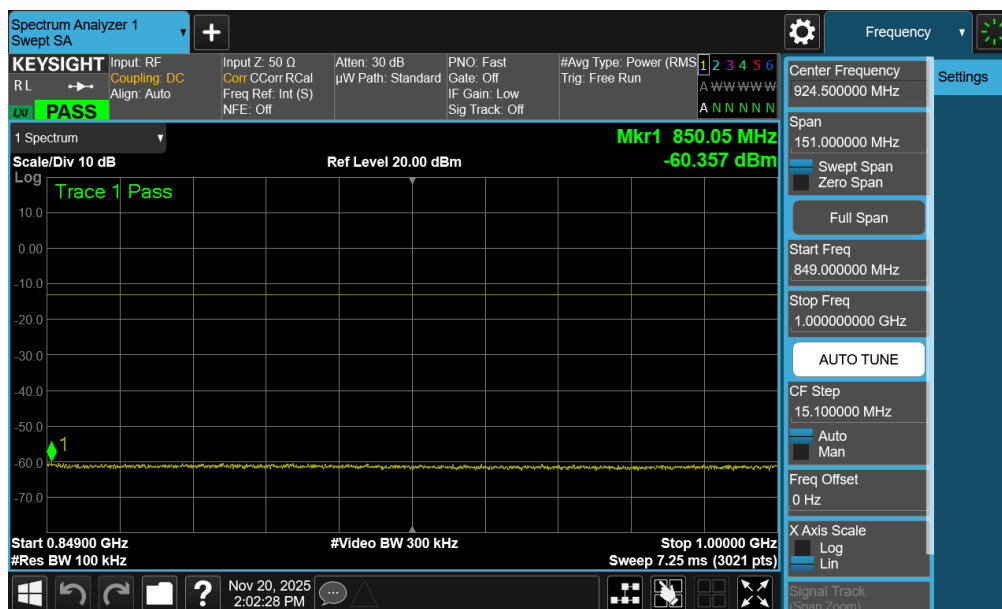
Plot 7-113. Conducted Spurious Plot (GPRS Ch. 251 – Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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WCDMA Cell – Ant2

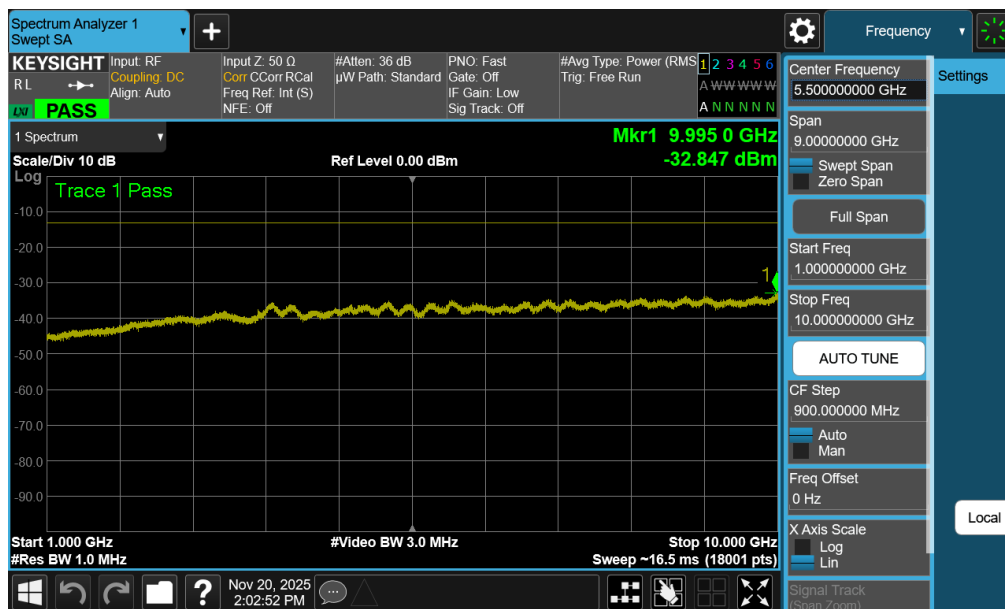


Plot 7-114. Conducted Spurious Plot (WCDMA Ch. 4132 – Ant2)

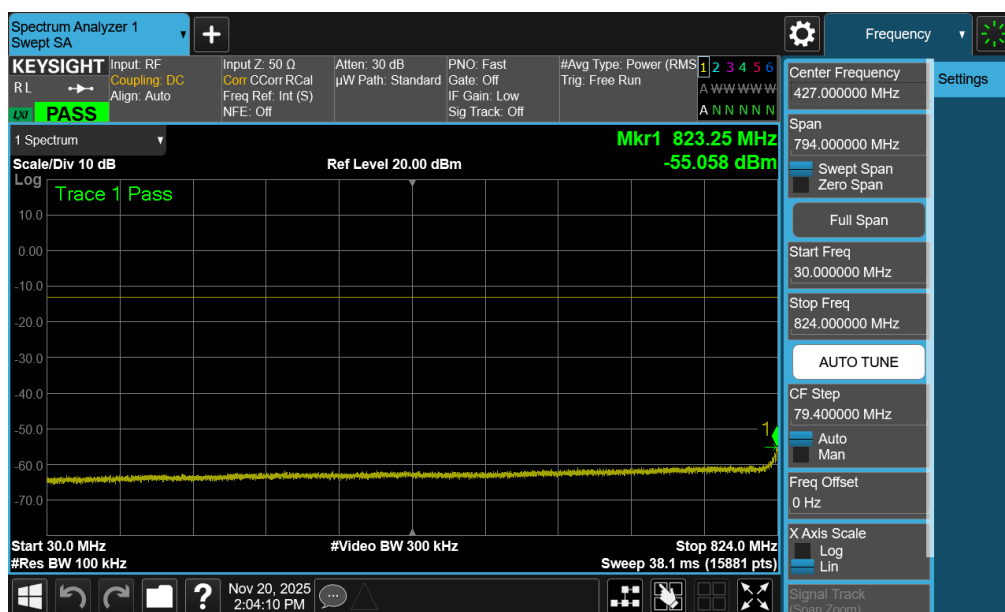


Plot 7-115. Conducted Spurious Plot (WCDMA Ch. 4132 – Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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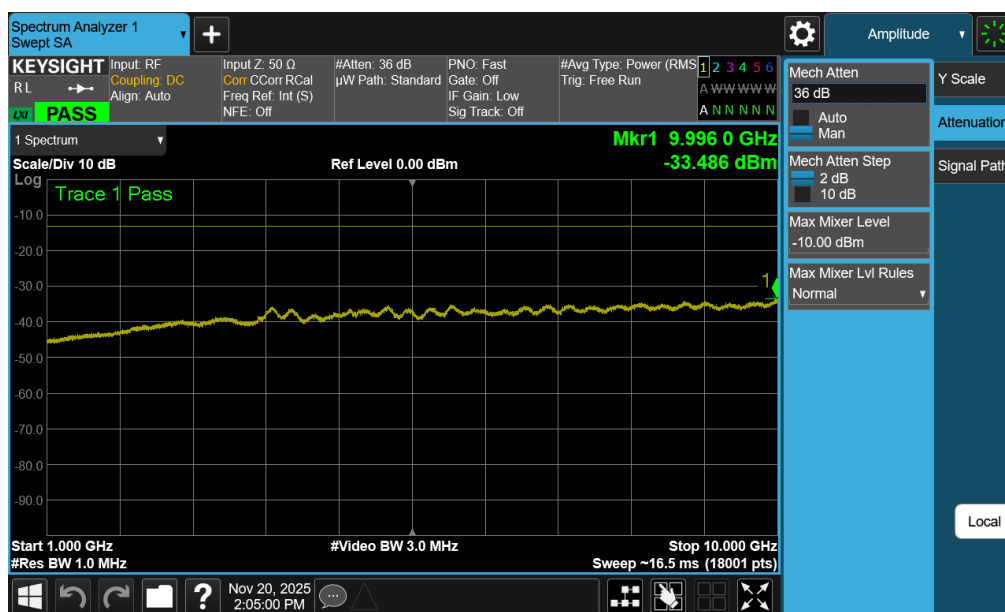
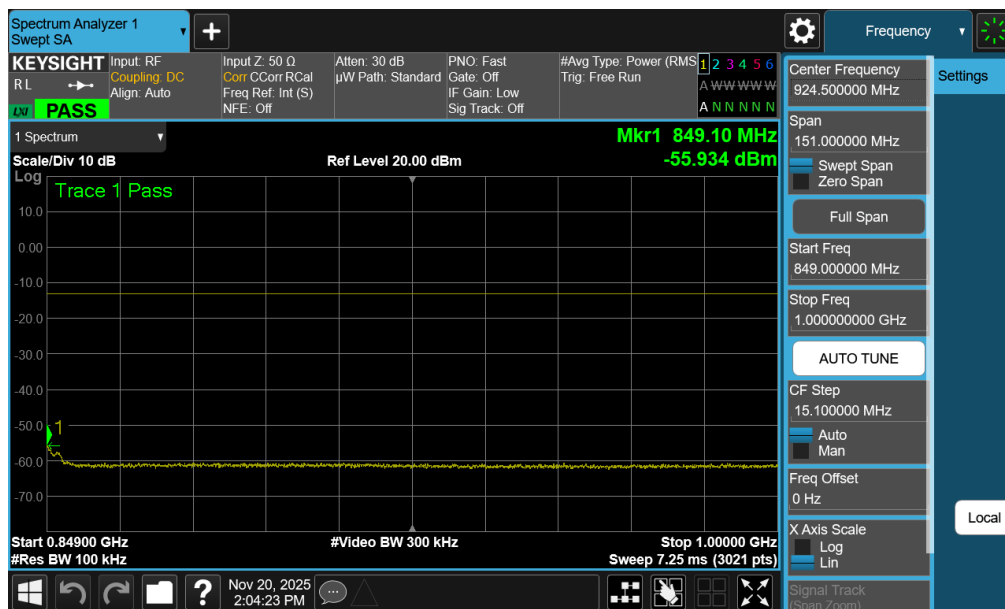


Plot 7-116. Conducted Spurious Plot (WCDMA Ch. 4132 – Ant2)

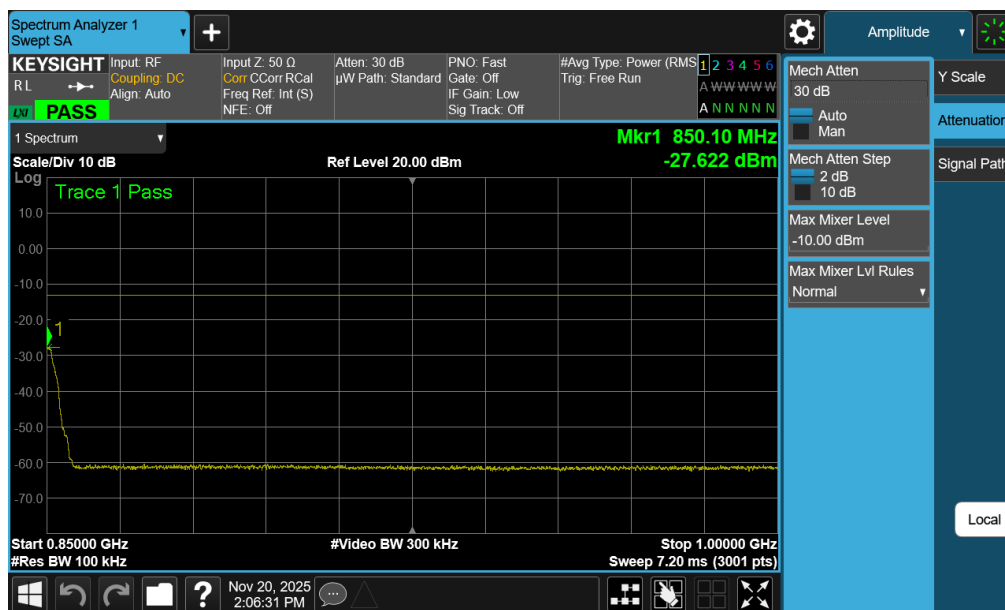
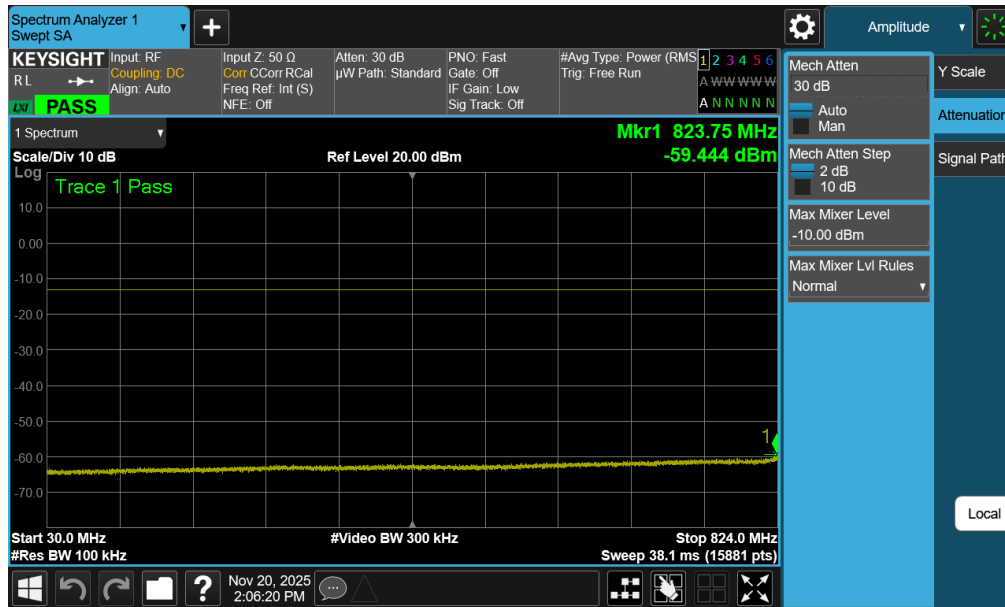


Plot 7-117. Conducted Spurious Plot (WCDMA Ch. 4183 – Ant2)

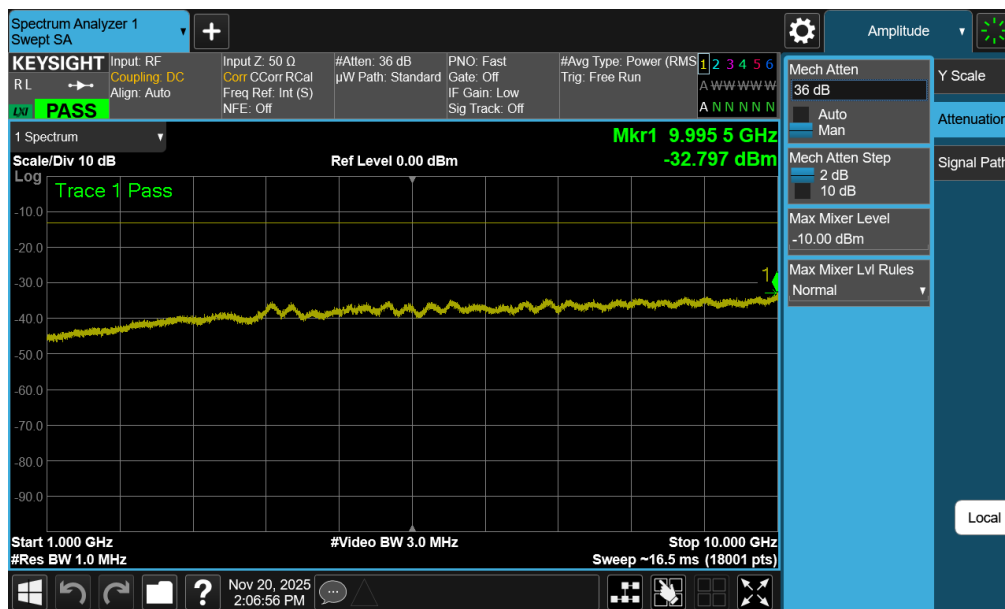
FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-122. Conducted Spurious Plot (WCDMA Ch. 4233 – Ant2)

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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.

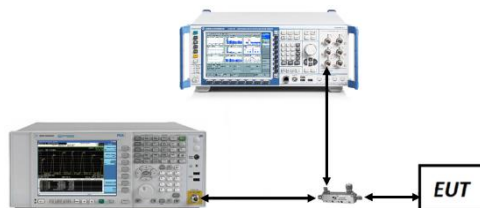


Figure 7-4. Test Instrument & Measurement Setup

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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Test Notes

1. Per 22.917(b) and RSS-132(5.5), 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.

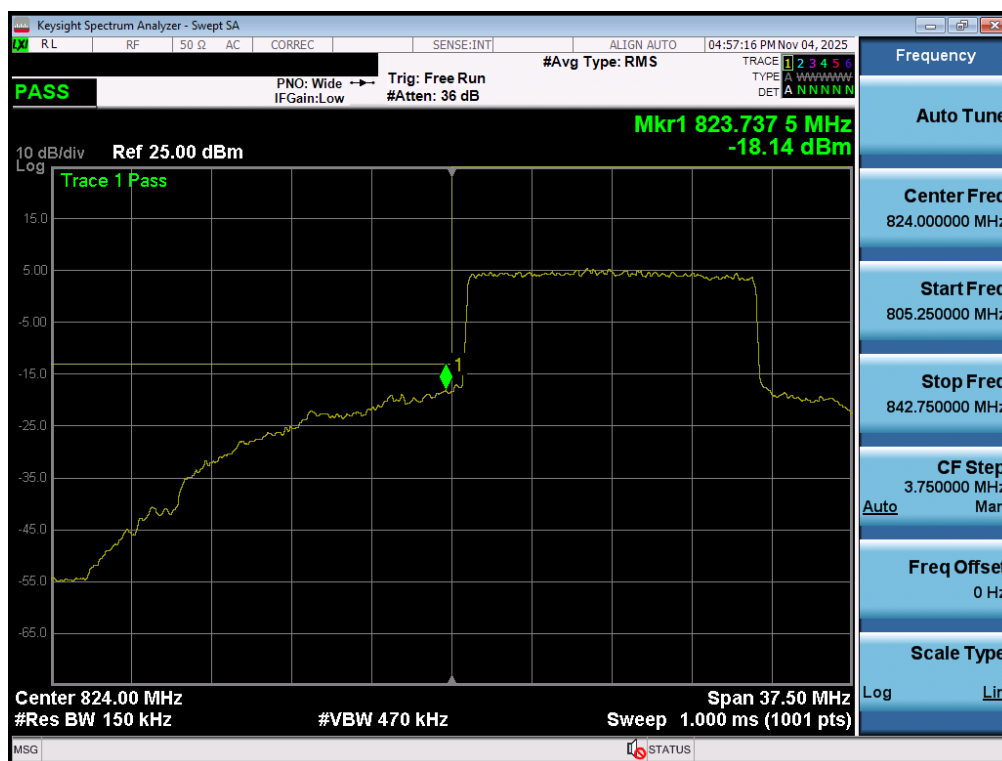
FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
GSM-Cell	250kHz	Low	Band Edge	-15.05	-13	-2.05
		High	Band Edge	-14.78	-13	-1.78
WCDMA-Cell	5MHz	Low	Band Edge	-22.52	-13	-9.52
		High	Band Edge	-21.18	-13	-8.18
LTE-B26-5	15 MHz	Low	Band Edge	-18.14	-13	-5.14
		High	Band Edge	-19.88	-13	-6.88
	10 MHz	Low	Band Edge	-18.71	-13	-5.71
		High	Band Edge	-19.93	-13	-6.93
	5 MHz	Low	Band Edge	-15.93	-13	-2.93
		High	Band Edge	-15.80	-13	-2.80
	3 MHz	Low	Band Edge	-14.90	-13	-1.90
		High	Band Edge	-15.01	-13	-2.01
	1.4 MHz	Low	Band Edge	-22.08	-13	-9.08
		High	Band Edge	-21.52	-13	-8.52
NR-n5	20 MHz	Low	Band Edge	-23.68	-13	-10.68
		High	Band Edge	-26.09	-13	-13.09
	15 MHz	Low	Band Edge	-23.73	-13	-10.73
		High	Band Edge	-26.35	-13	-13.35
	10 MHz	Low	Band Edge	-21.17	-13	-8.17
		High	Band Edge	-22.61	-13	-9.61
	5 MHz	Low	Band Edge	-15.32	-13	-2.32
		High	Band Edge	-17.62	-13	-4.62

Table 7-10. Conducted Band Edge Results – Ant1

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 26/5 – Ant1

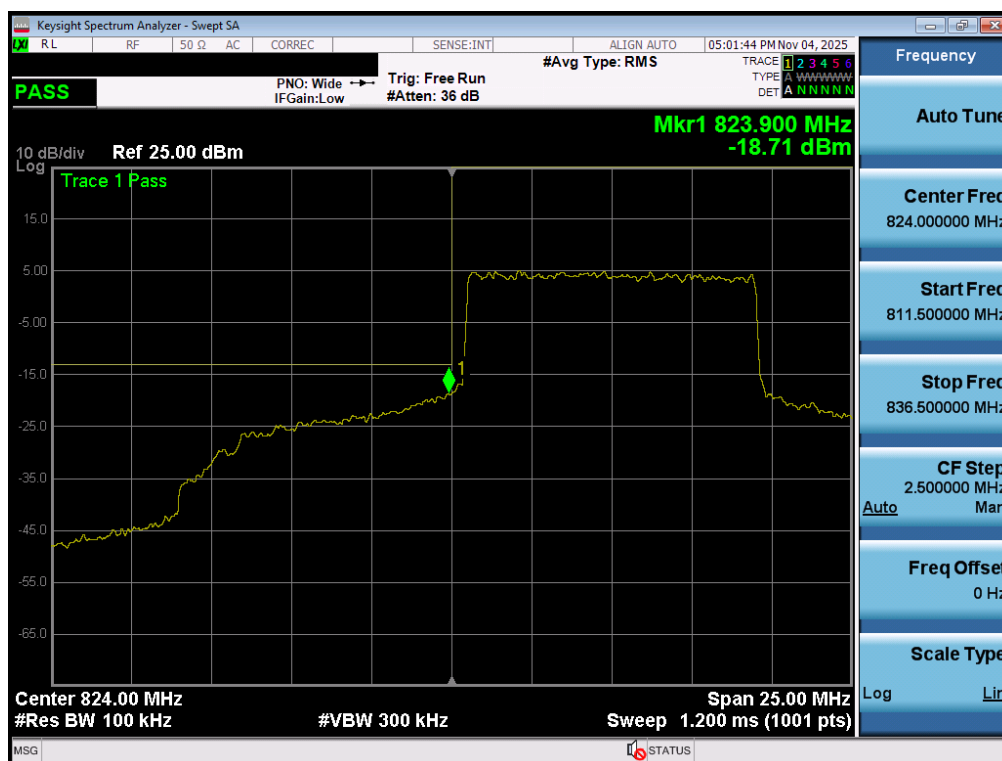


Plot 7-123. Lower Band Edge Plot (LTE Band 26 - 15MHz QPSK – Full RB - Ant1)



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

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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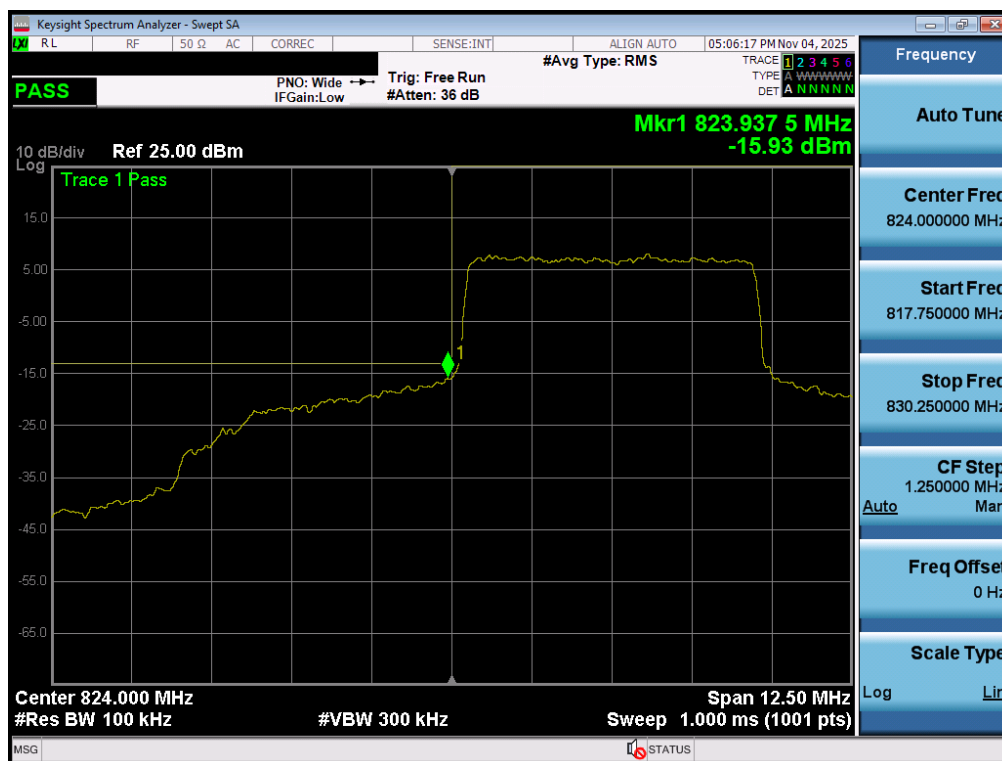


Plot 7-125. Lower Band Edge Plot (LTE Band 26/5 - 10MHz QPSK – Full RB - Ant1)



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

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 94 of 162

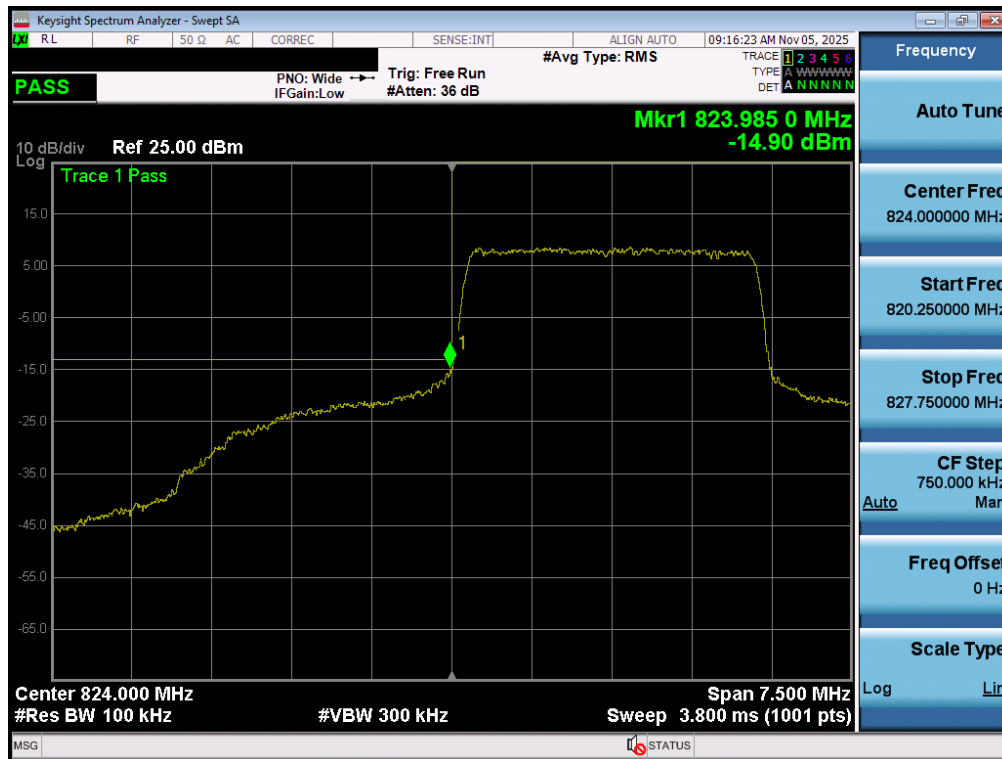


Plot 7-127. Lower Band Edge Plot (LTE Band 26/5 - 5MHz QPSK - Full RB - Ant1)



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

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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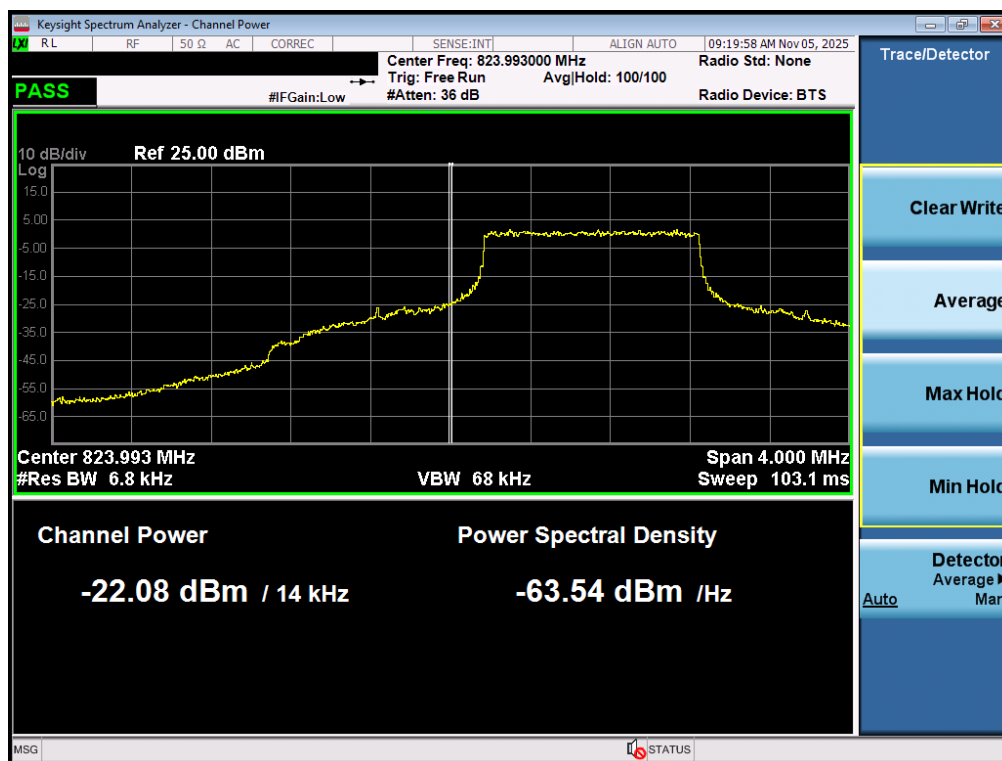


Plot 7-129. Lower Band Edge Plot (LTE Band 26/5 - 3MHz QPSK - Full RB - Ant1)

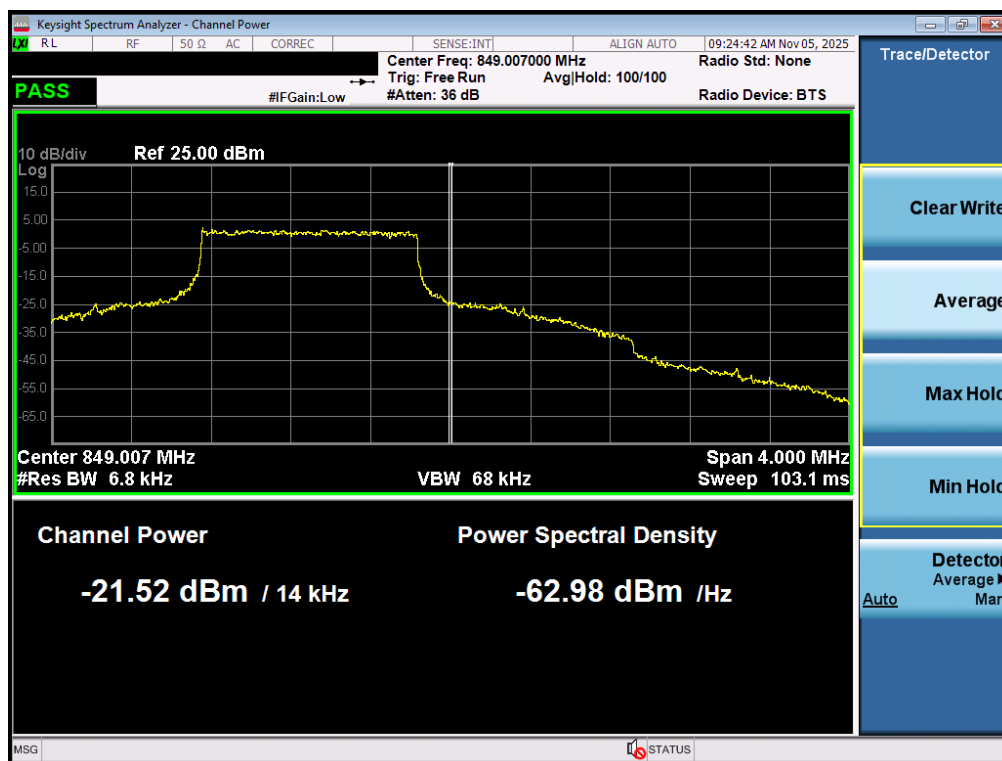


Plot 7-130. Upper Band Edge Plot (LTE Band 26/5 - 3MHz QPSK - Full RB - Ant1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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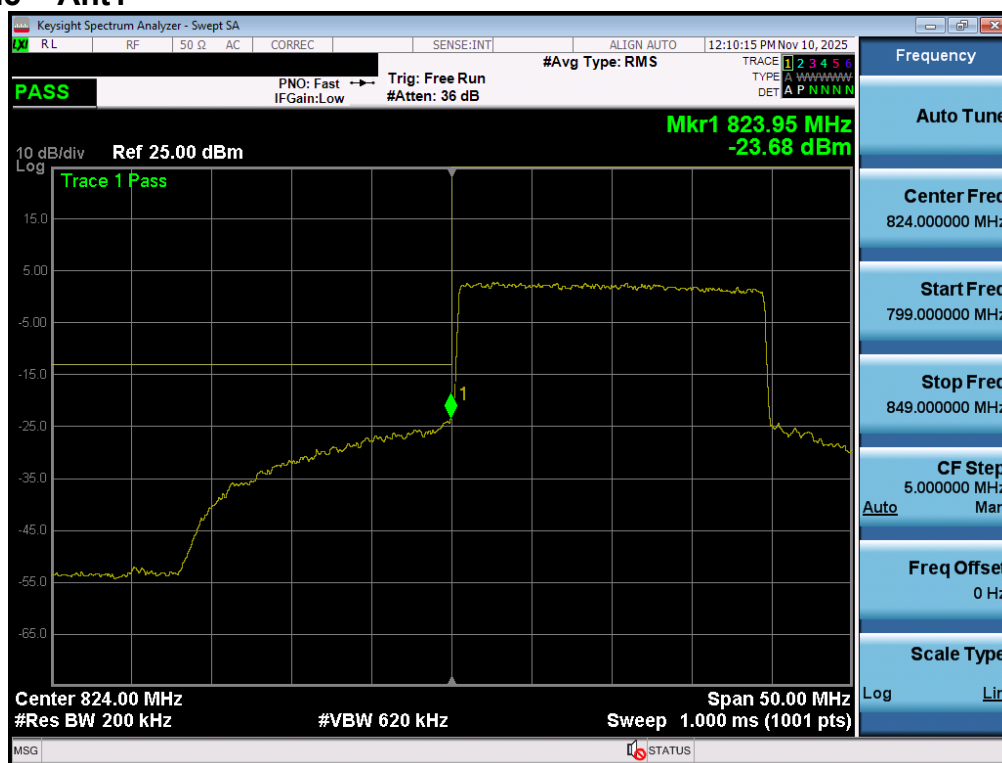
Plot 7-131. Lower Band Edge Plot (LTE Band 26/5 – 1.4MHz QPSK – Full RB - Ant1)



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

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n5 – Ant1

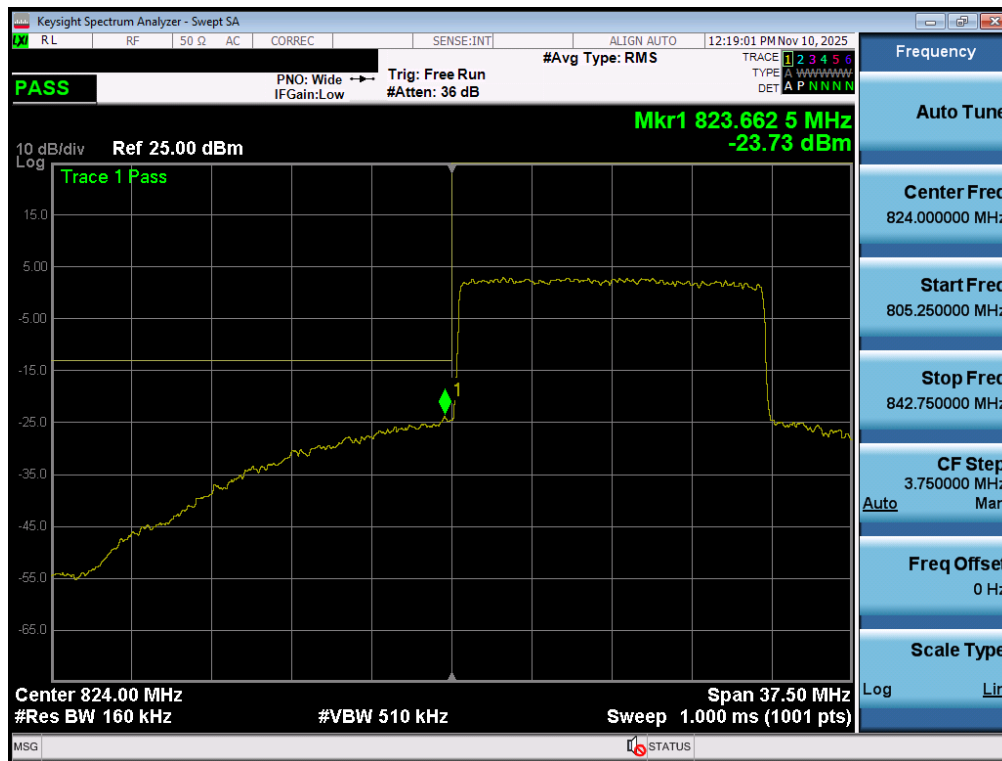


Plot 7-133. Lower Band Edge Plot (NR Band n5 – 20.0MHz - Full RB - Ant1)



Plot 7-134. Upper Band Edge Plot (NR Band n5 – 20.0MHz - Full RB - Ant1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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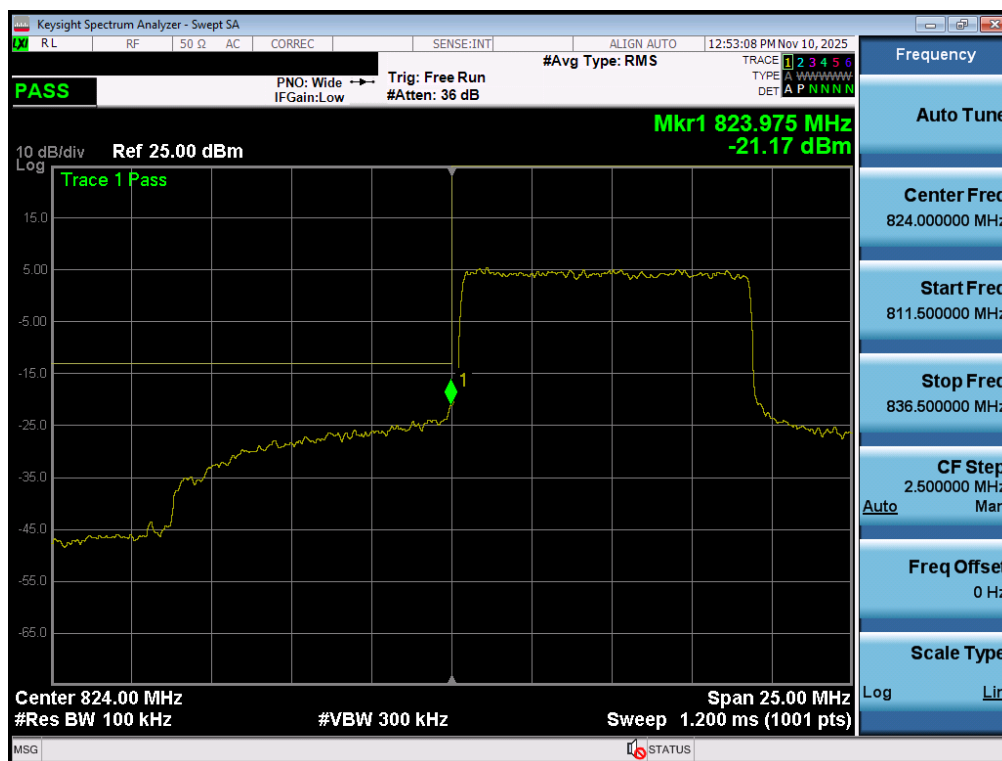


Plot 7-135. Lower Band Edge Plot (NR Band n5 – 15.0MHz - Full RB - Ant1)



Plot 7-136. Upper Band Edge Plot (NR Band n5 – 15.0MHz - Full RB - Ant1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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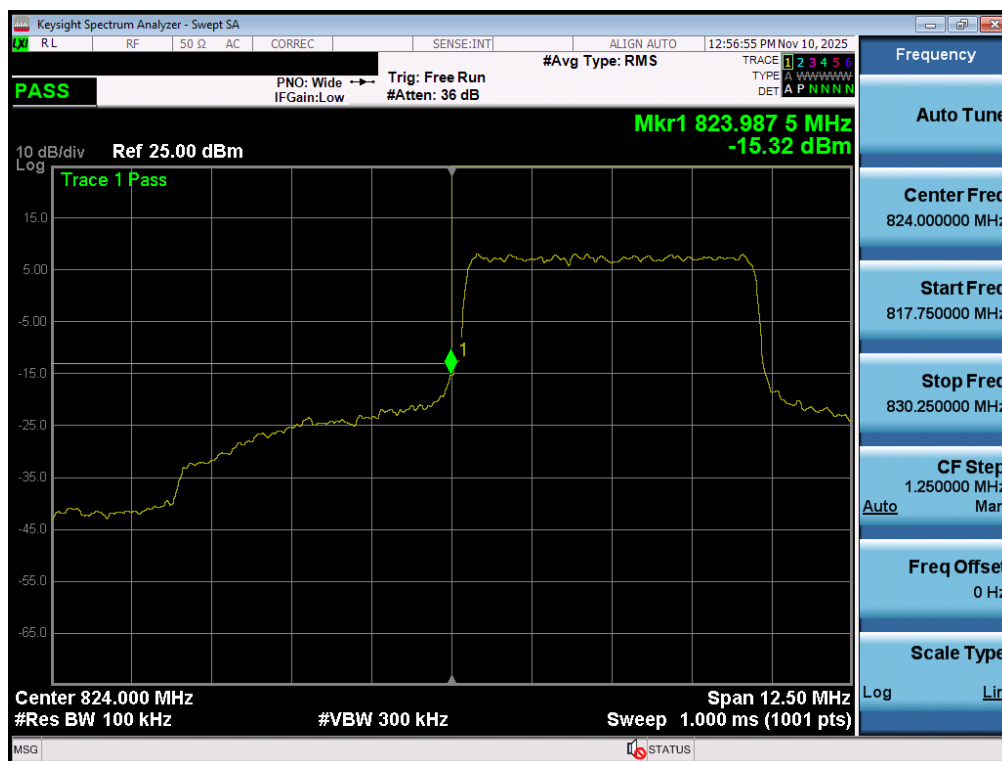


Plot 7-137. Lower Band Edge Plot (NR Band n5 – 10.0MHz - Full RB - Ant1)



Plot 7-138. Upper Band Edge Plot (NR Band n5 – 10.0MHz - Full RB - Ant1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 100 of 162



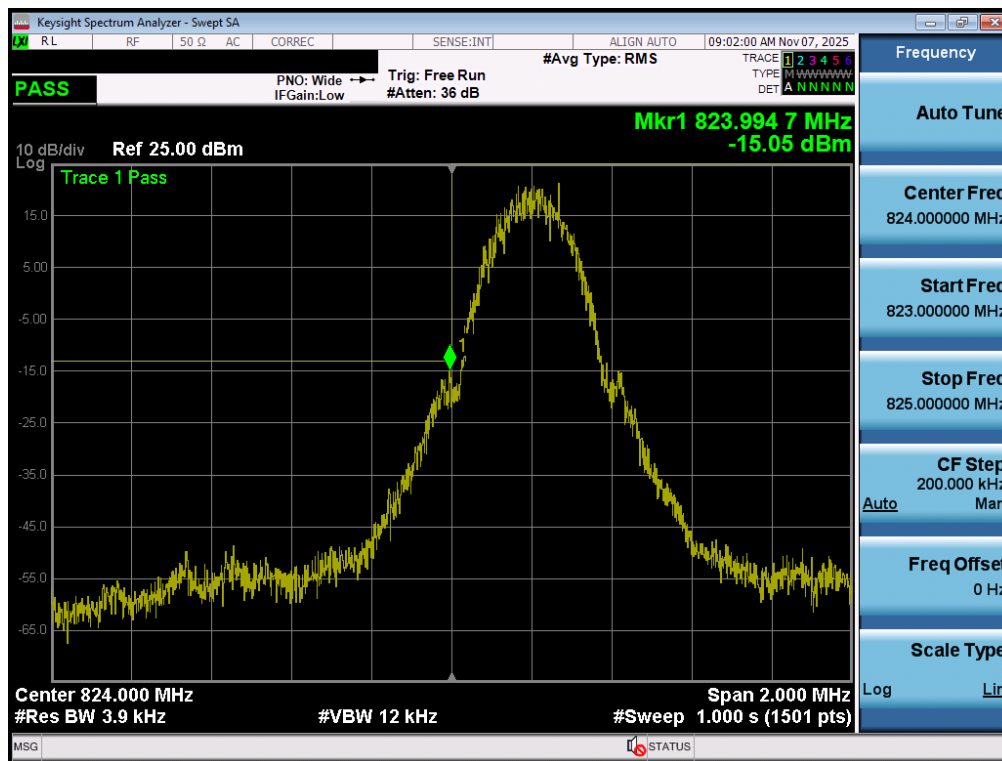
Plot 7-139. Lower Band Edge Plot (NR Band n5 – 5.0MHz - Full RB - Ant1)



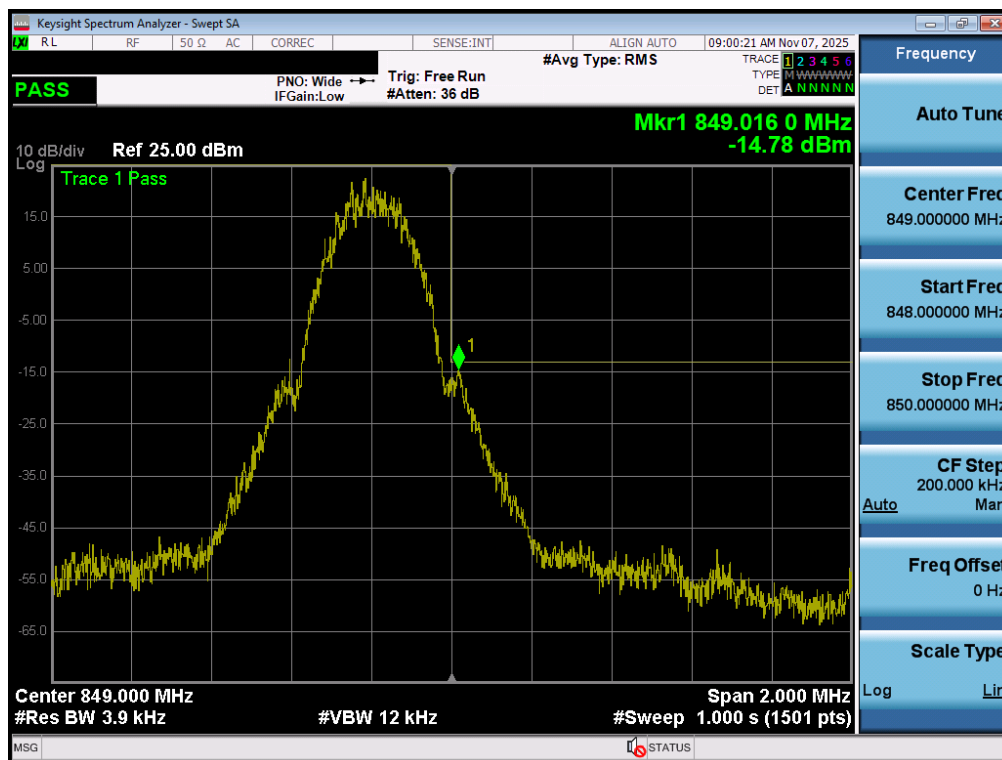
Plot 7-140. Upper Band Edge Plot (NR Band n5 – 5.0MHz - Full RB)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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GSM/GPRS Cell – Ant1



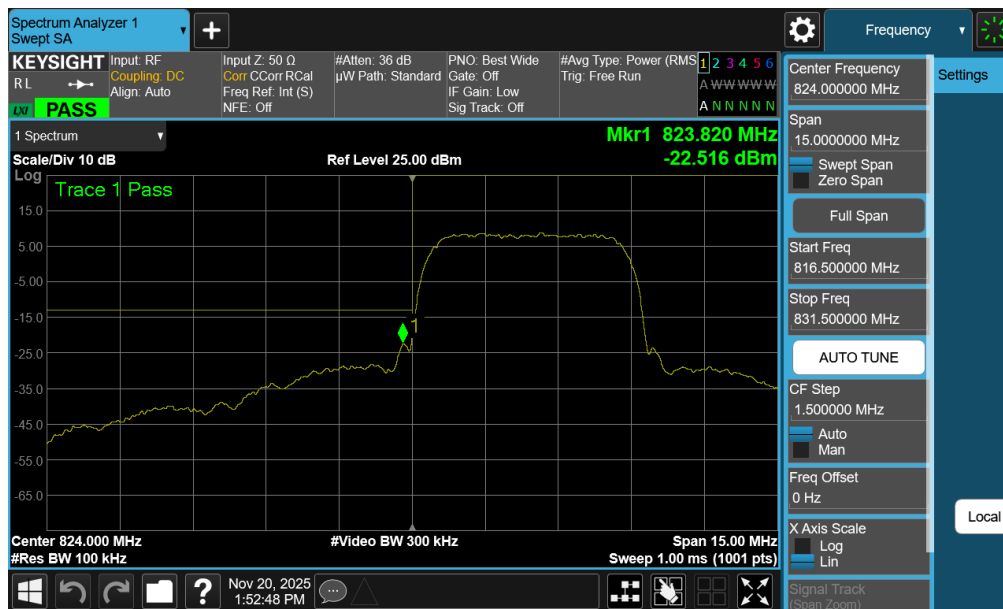
Plot 7-141. Lower Band Edge Plot (GPRS Cell – Ch. 128 – Ant1)



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

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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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: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 103 of 162