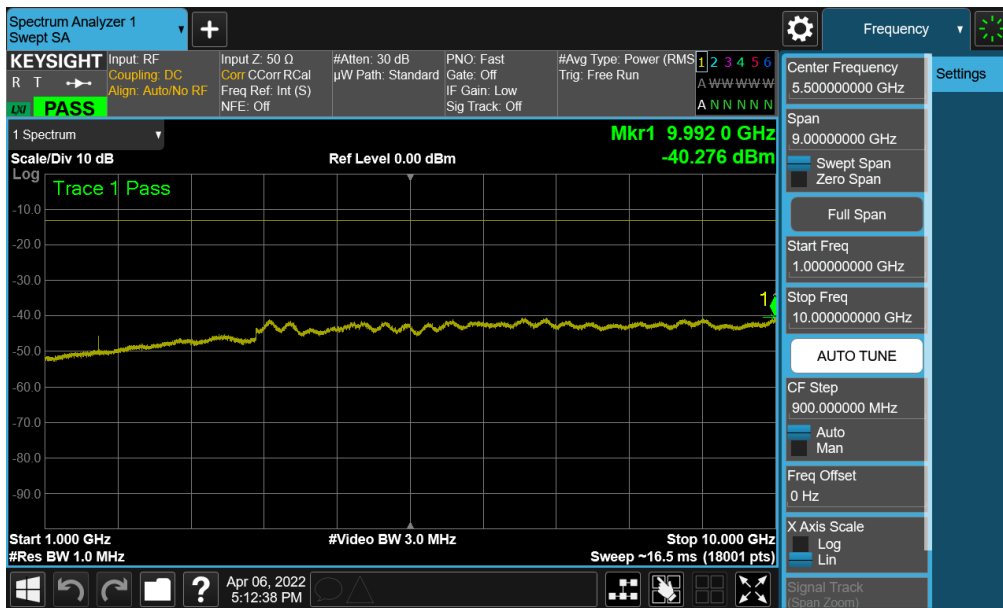
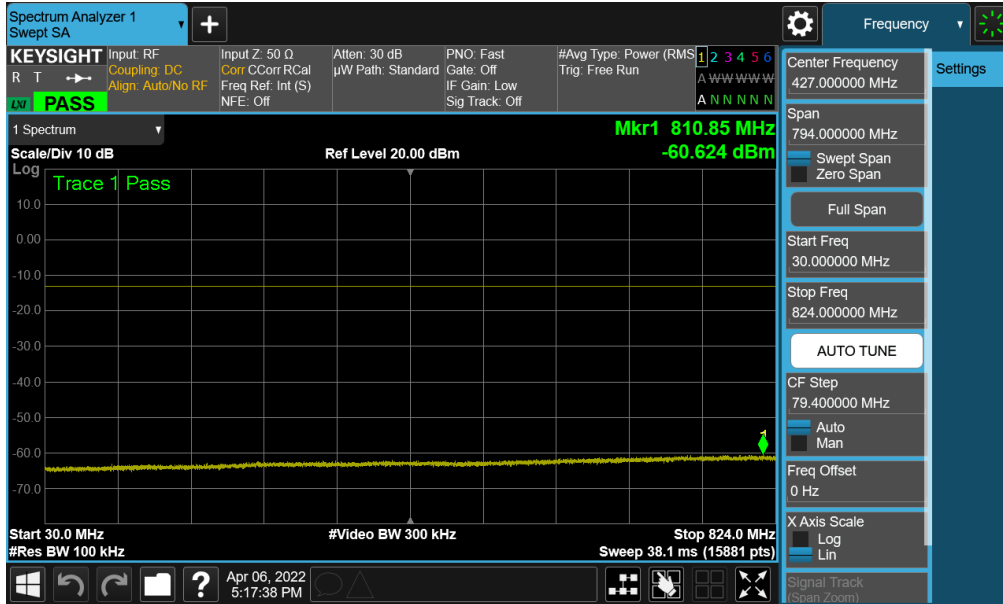


Plot 7-39. Conducted Spurious Plot (NR Band n5 - 20.0MHz - 1 RB - Mid Channel)

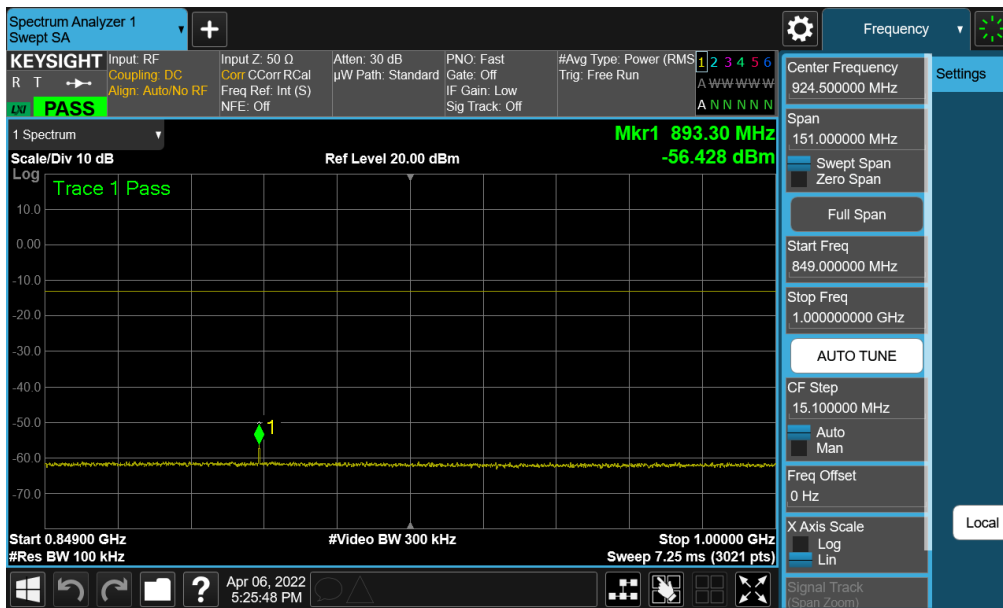


Plot 7-40. Conducted Spurious Plot (NR Band n5 - 20.0MHz - 1 RB - Mid Channel)

FCC ID: A3LSMF936B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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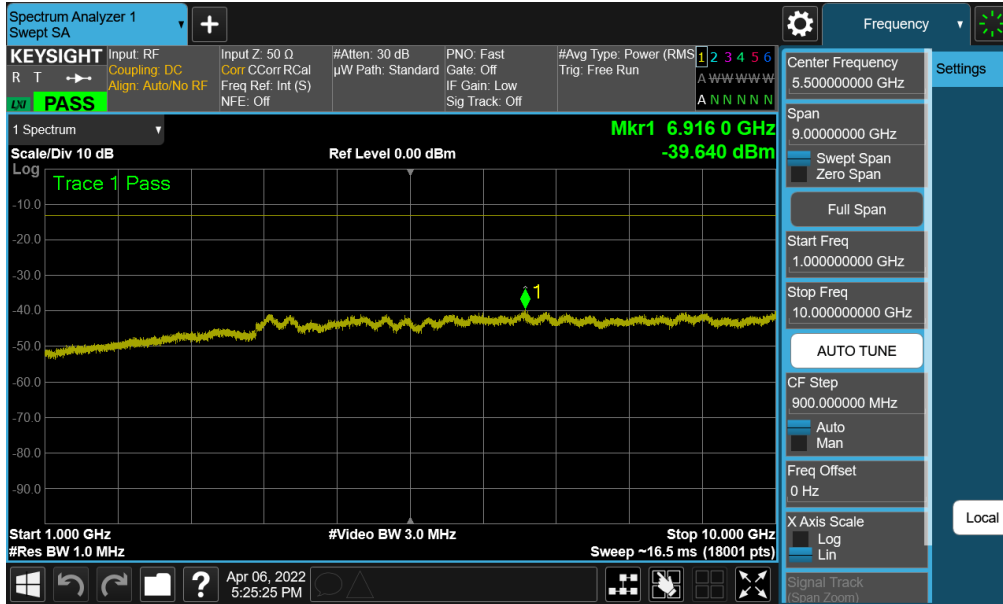


Plot 7-41. Conducted Spurious Plot (NR Band n5 - 20.0MHz - 1 RB - High Channel)



Plot 7-42. Conducted Spurious Plot (NR Band n5 - 20.0MHz - 1 RB - High Channel)

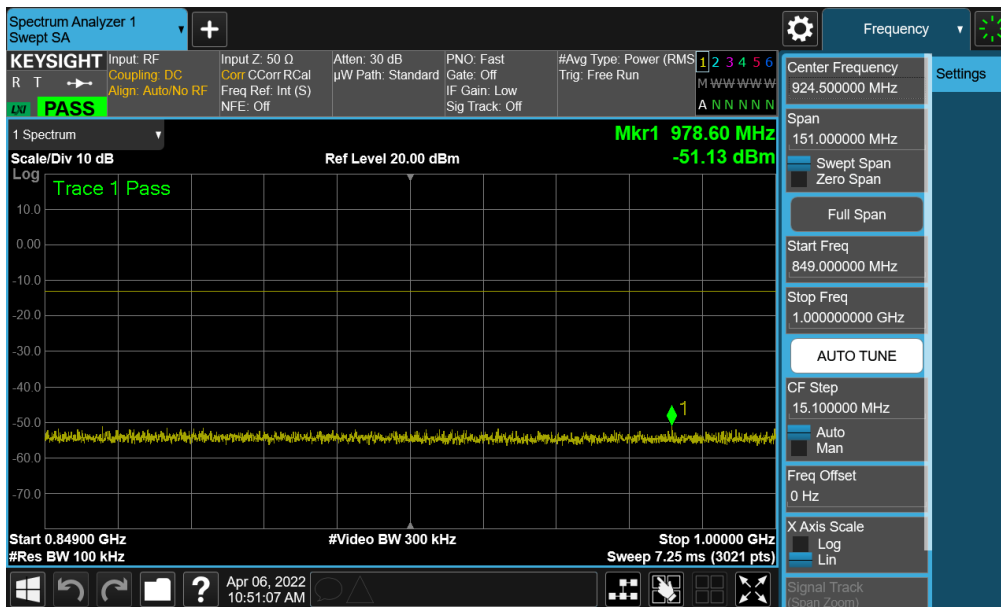
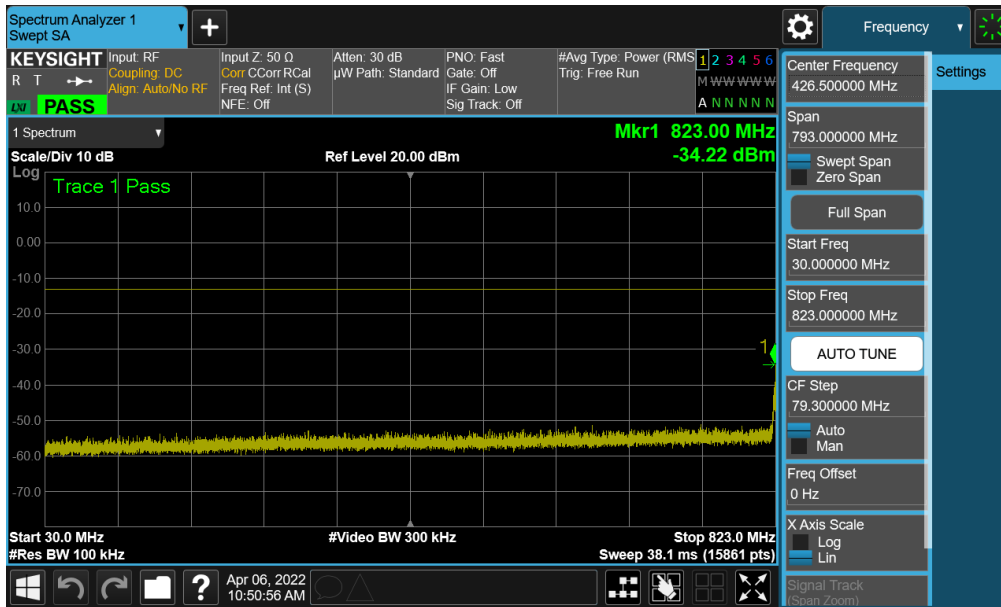
FCC ID: A3LSMF936B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-01.A3L	Test Dates: 04/05 - 06/07/2022	EUT Type: Portable Handset	Page 34 of 96



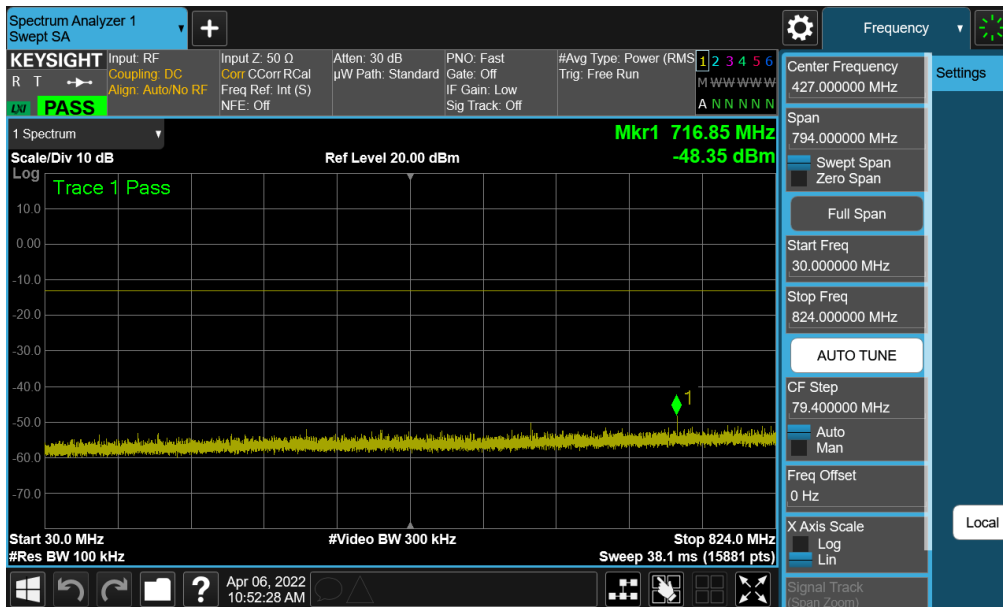
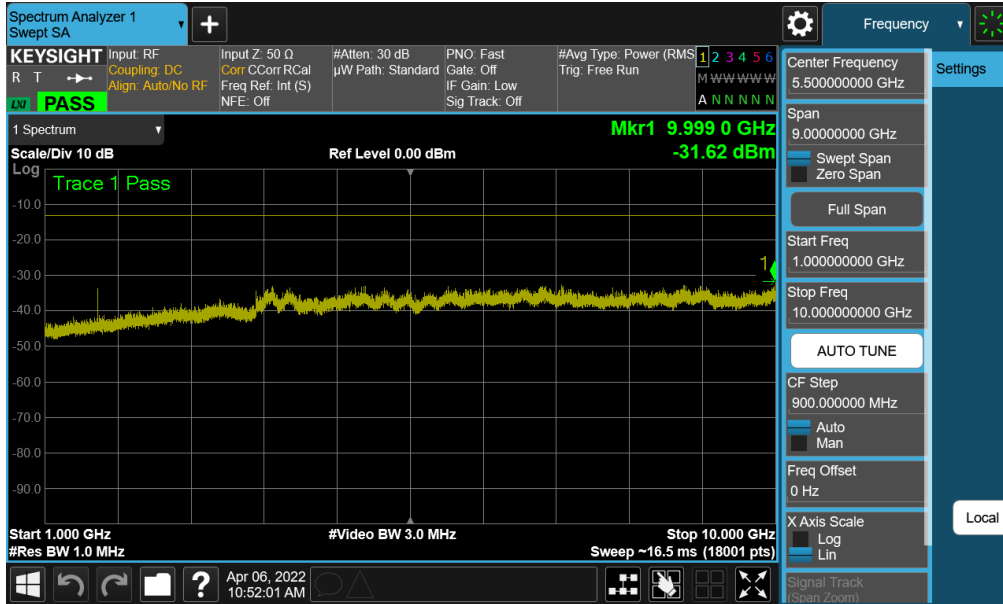
Plot 7-43. Conducted Spurious Plot (NR Band n5 - 20.0MHz - 1 RB - High Channel)

FCC ID: A3LSMF936B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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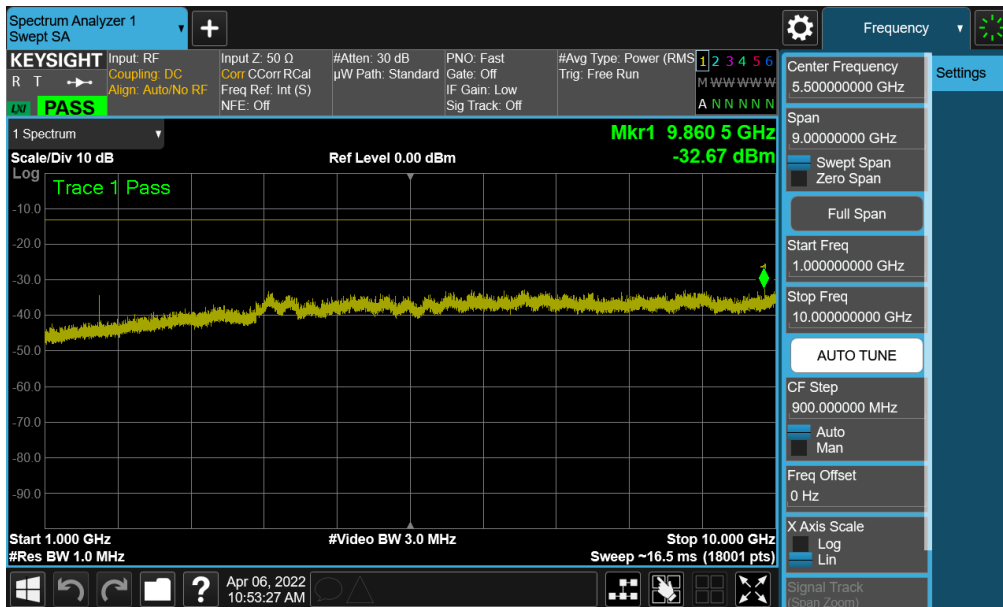
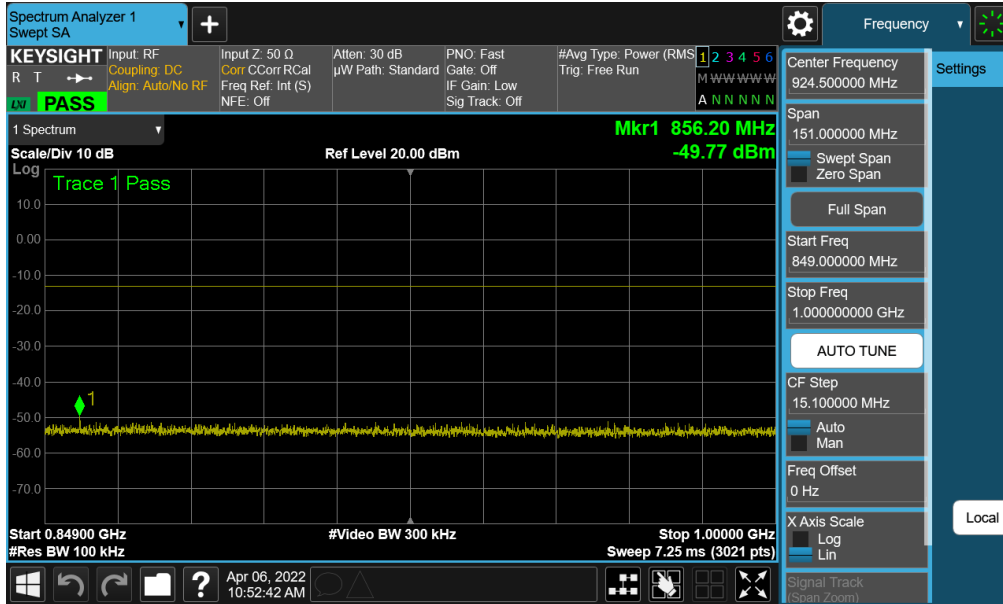
GSM/GPRS Cell



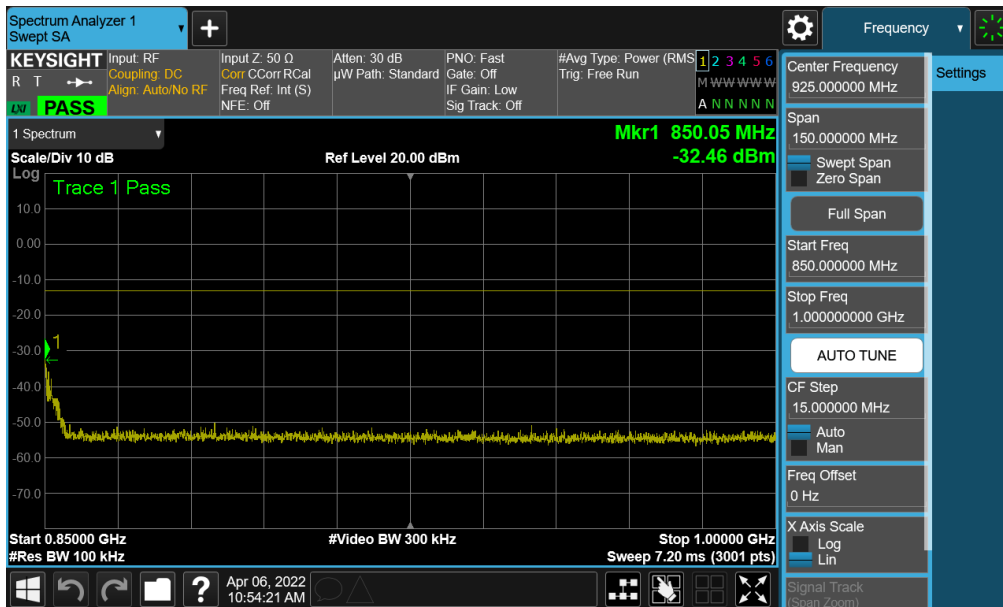
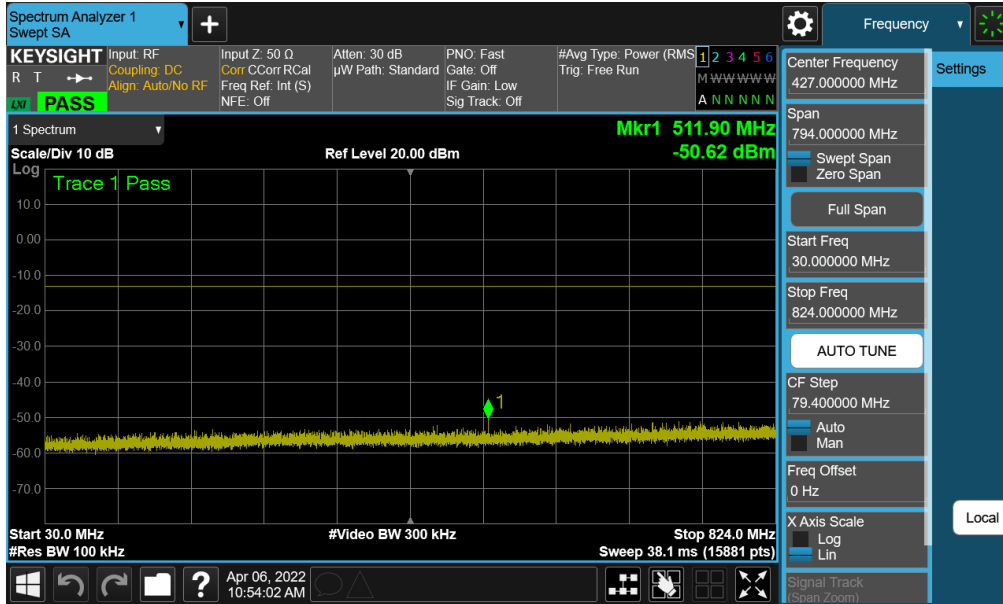
FCC ID: A3LSMF936B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-01.A3L	Test Dates: 04/05 – 06/07/2022	EUT Type: Portable Handset	Page 36 of 96



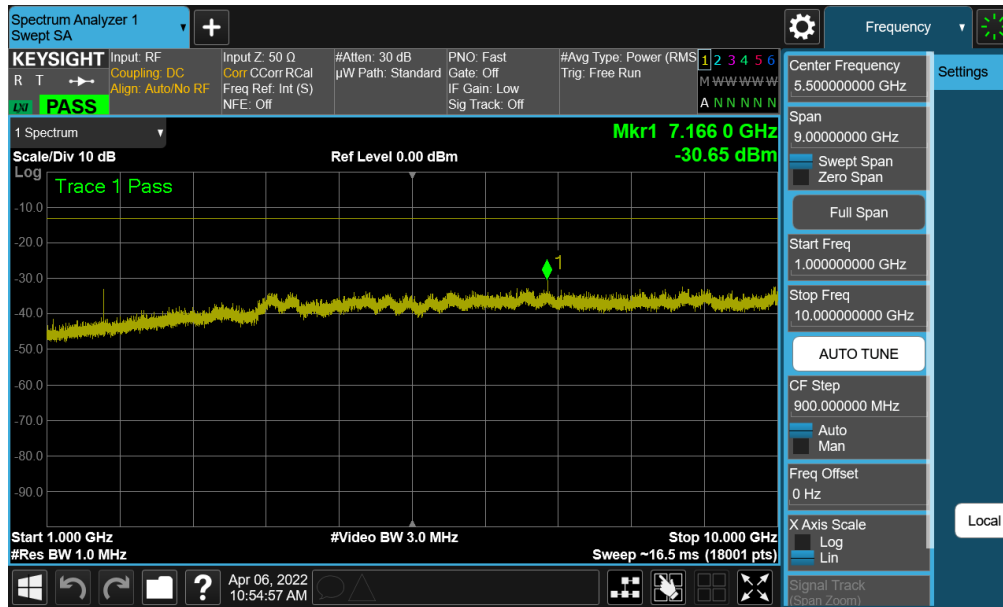
FCC ID: A3LSMF936B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-01.A3L	Test Dates: 04/05 – 06/07/2022	EUT Type: Portable Handset	Page 37 of 96



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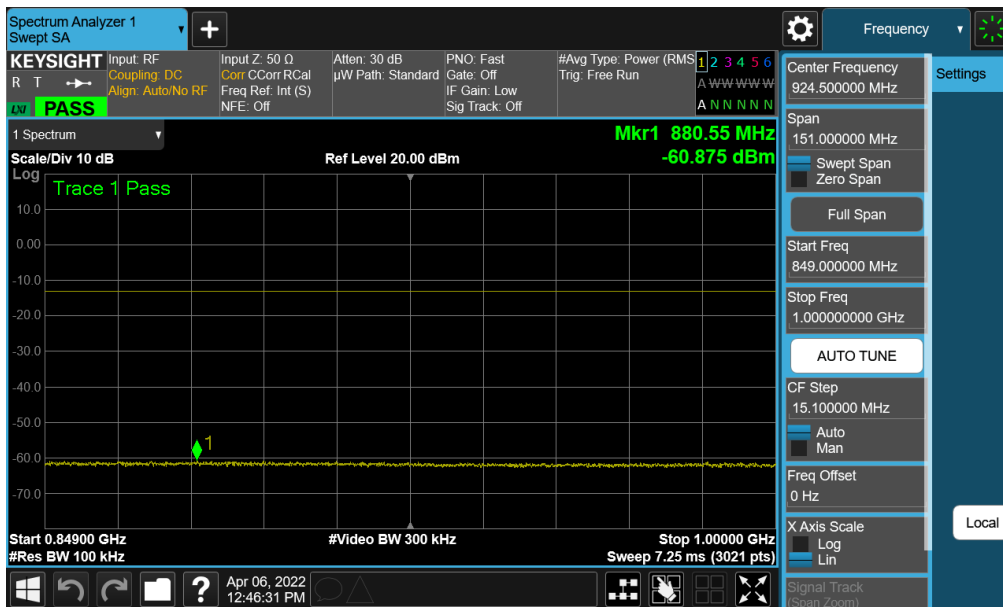
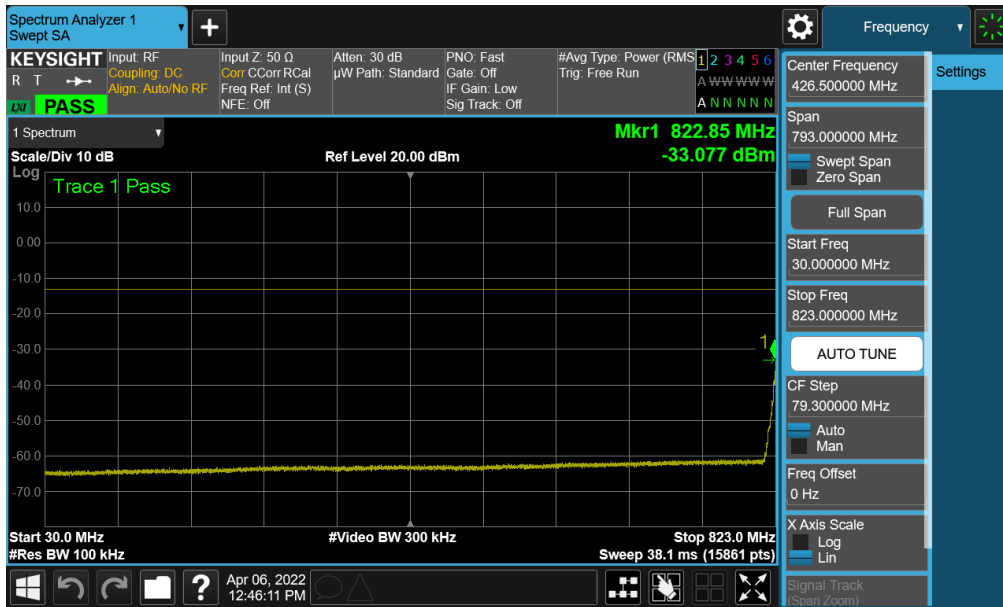
FCC ID: A3LSMF936B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-01.A3L	Test Dates: 04/05 – 06/07/2022	EUT Type: Portable Handset	Page 39 of 96



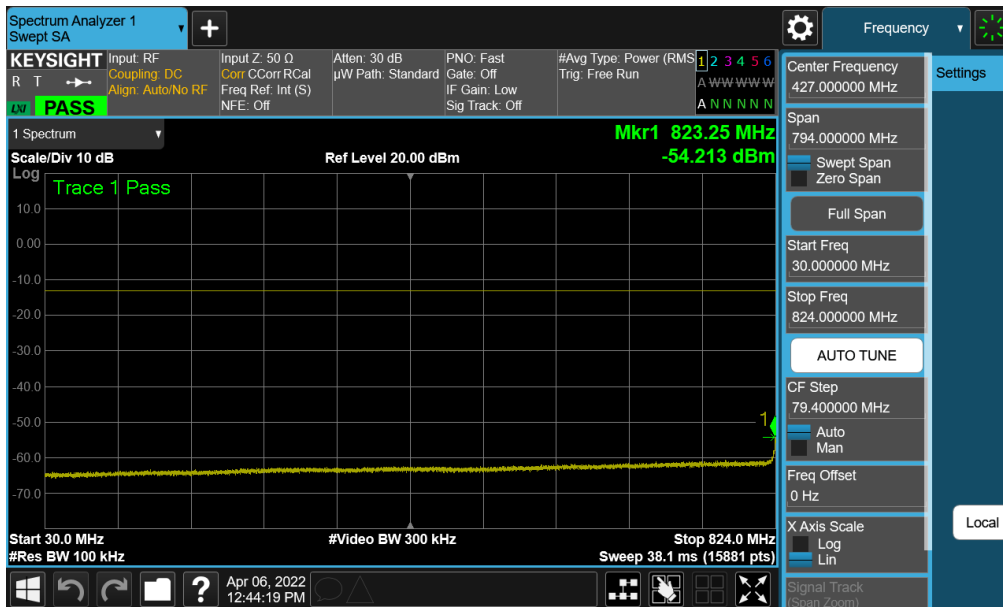
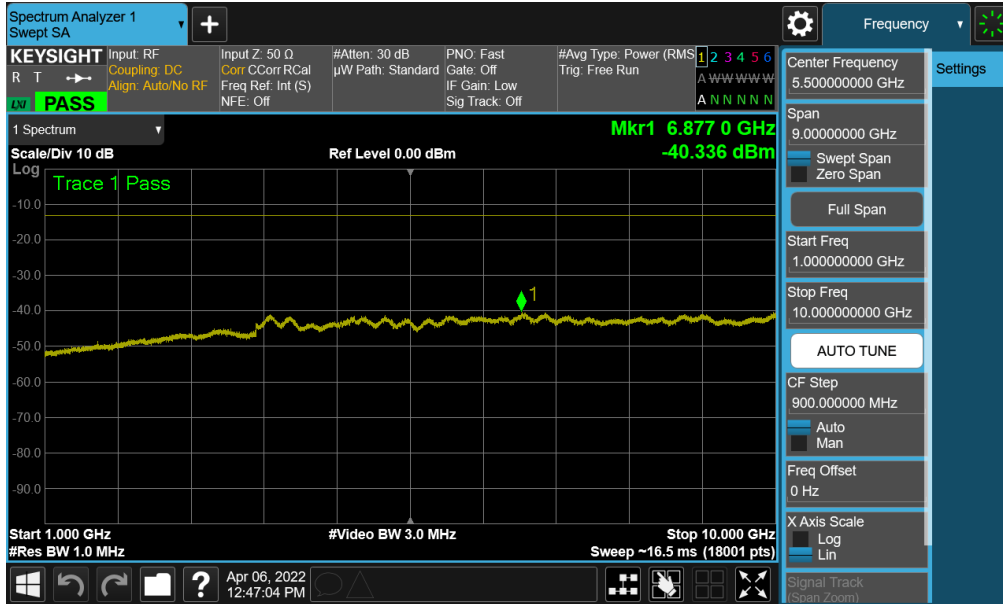
Plot 7-52. Conducted Spurious Plot (GPRS Ch. 251)

FCC ID: A3LSMF936B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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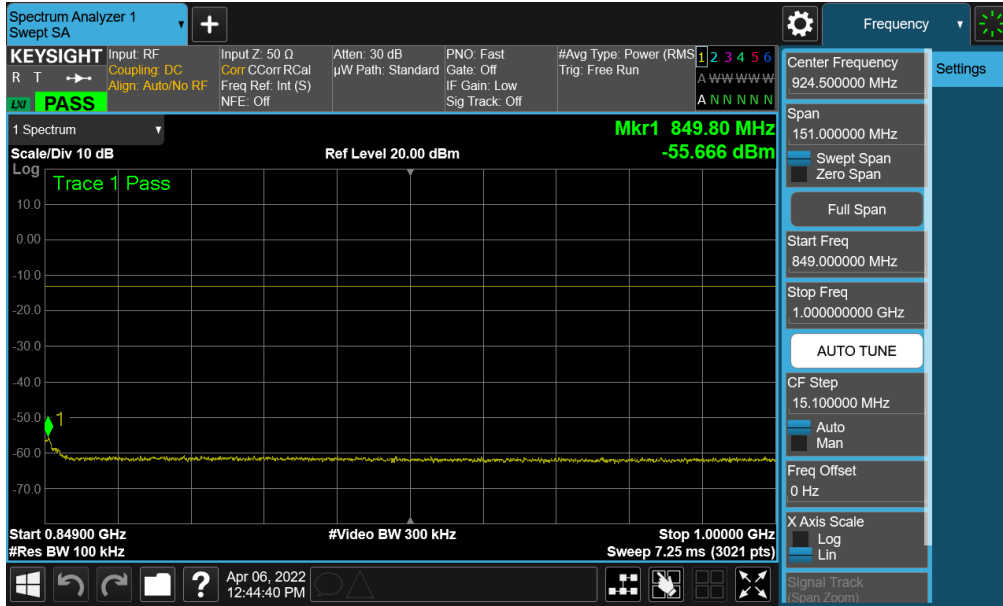
WCDMA Cell



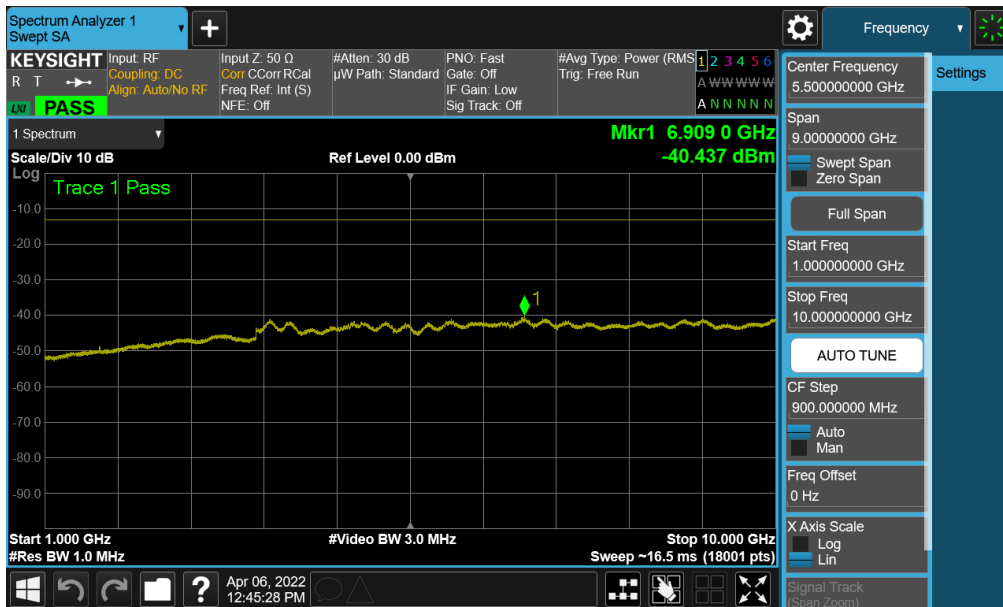
FCC ID: A3LSMF936B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-01.A3L	Test Dates: 04/05 – 06/07/2022	EUT Type: Portable Handset	Page 41 of 96



FCC ID: A3LSMF936B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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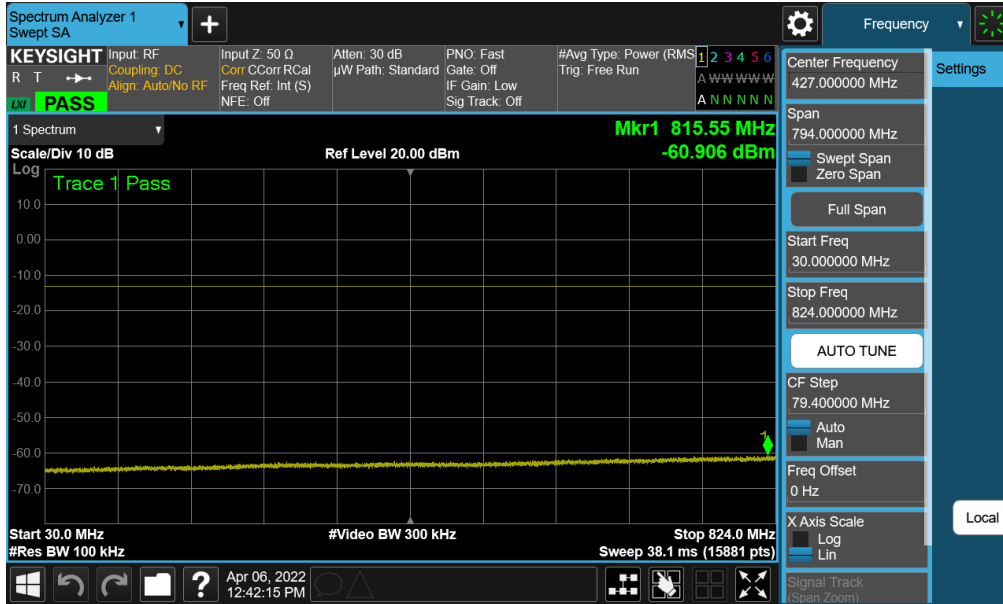


Plot 7-57. Conducted Spurious Plot (WCDMA Ch. 4183)

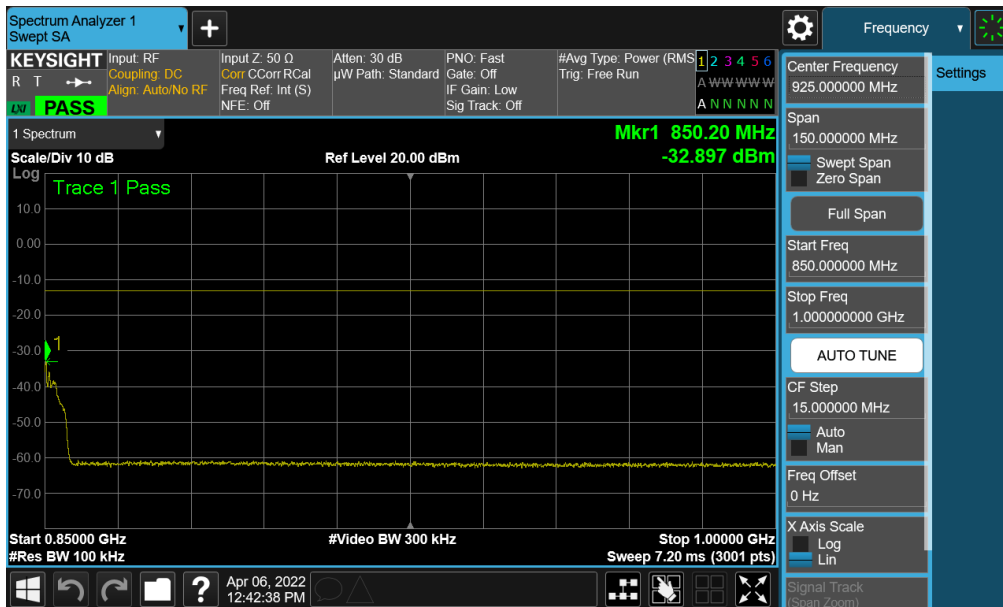


Plot 7-58. Conducted Spurious Plot (WCDMA Ch. 4183)

FCC ID: A3LSMF936B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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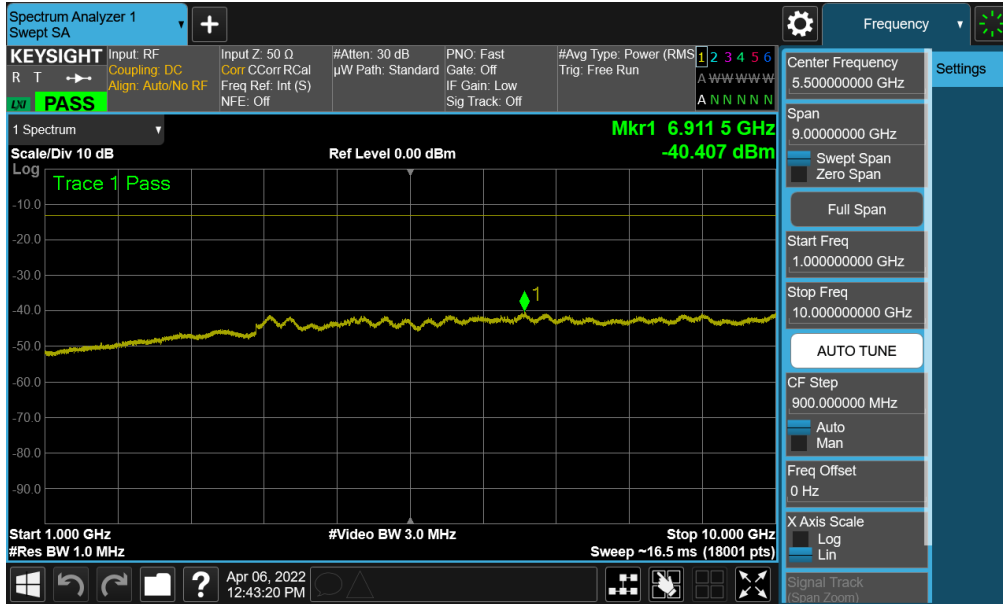


Plot 7-59. Conducted Spurious Plot (WCDMA Ch. 4233)



Plot 7-60. Conducted Spurious Plot (WCDMA Ch. 4233)

FCC ID: A3LSMF936B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-61. Conducted Spurious Plot (WCDMA Ch. 4233)

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7.4 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 $43 + 10 \log_{10}(P_{[Watts]})$, 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. RBW \geq 1% of the emission bandwidth
4. VBW \geq 3 x RBW
5. Detector = RMS
6. Number of sweep points \geq 2 x Span/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.

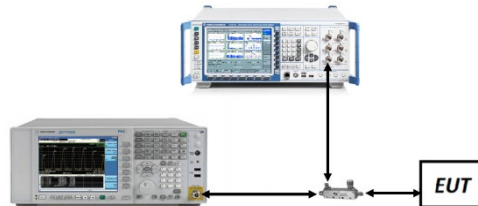


Figure 7-3. Test Instrument & Measurement Setup

FCC ID: A3LSMF936B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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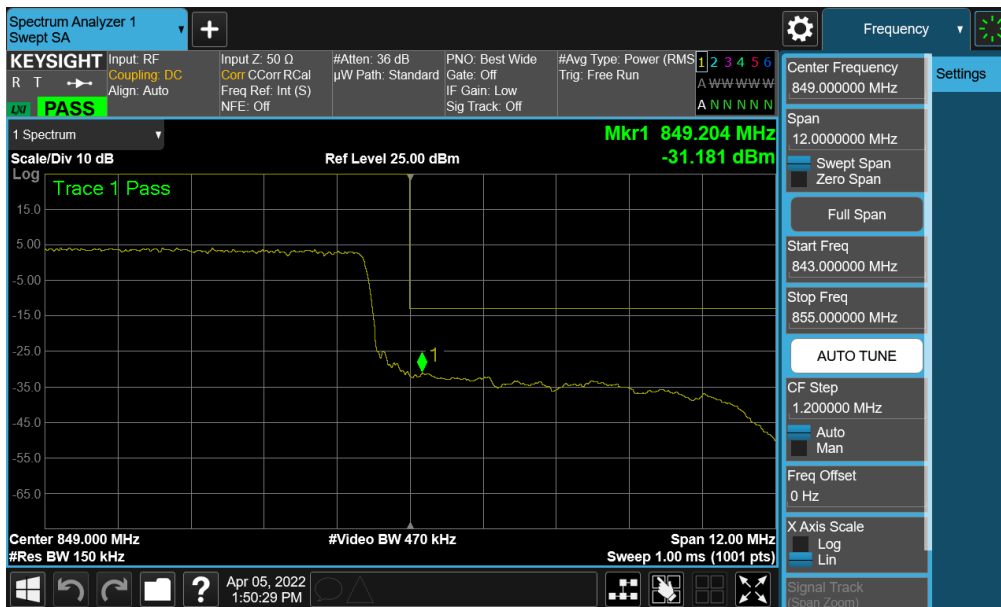
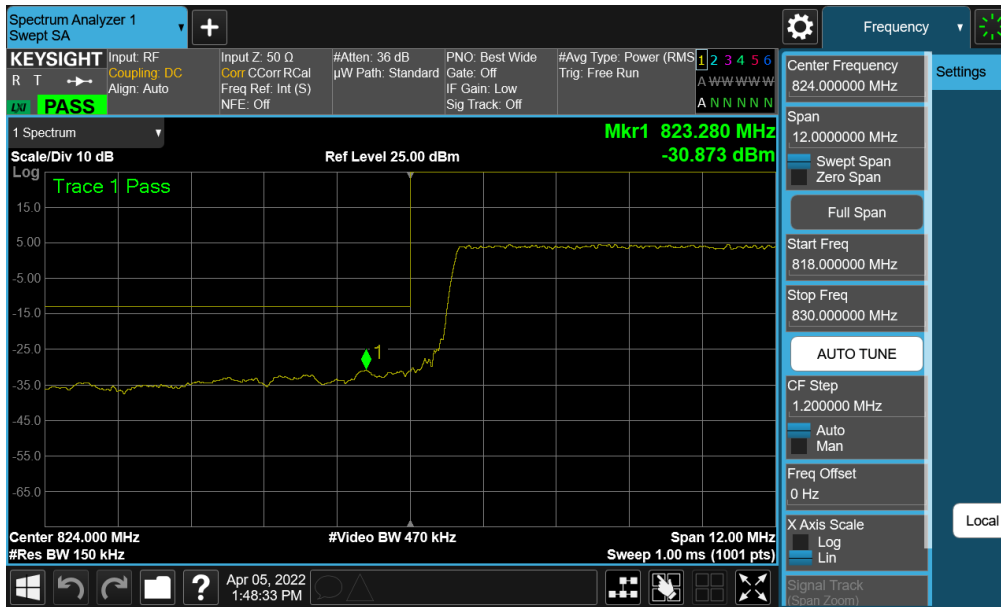
Test Notes

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.

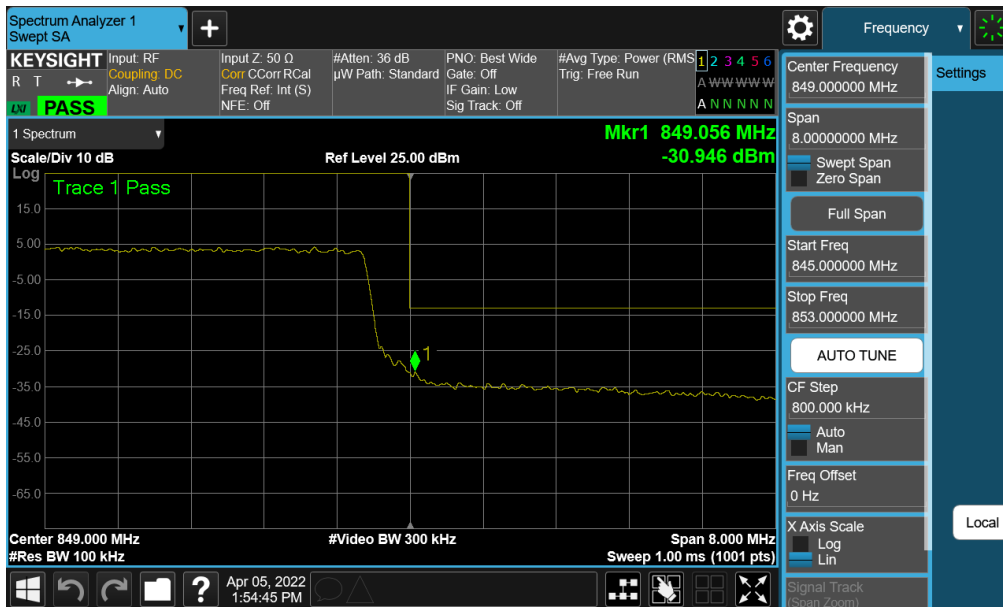
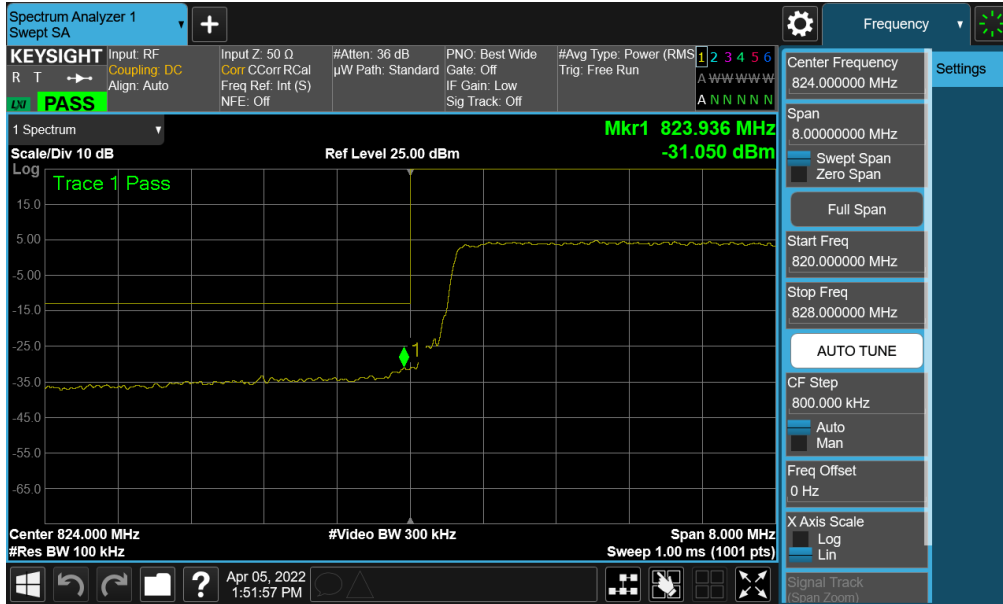
FCC ID: A3LSMF936B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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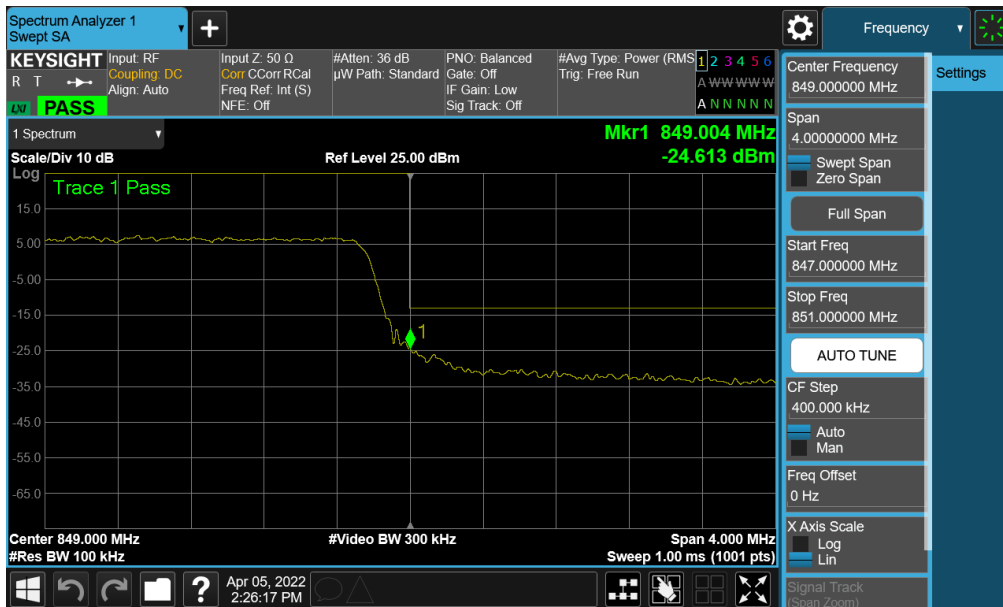
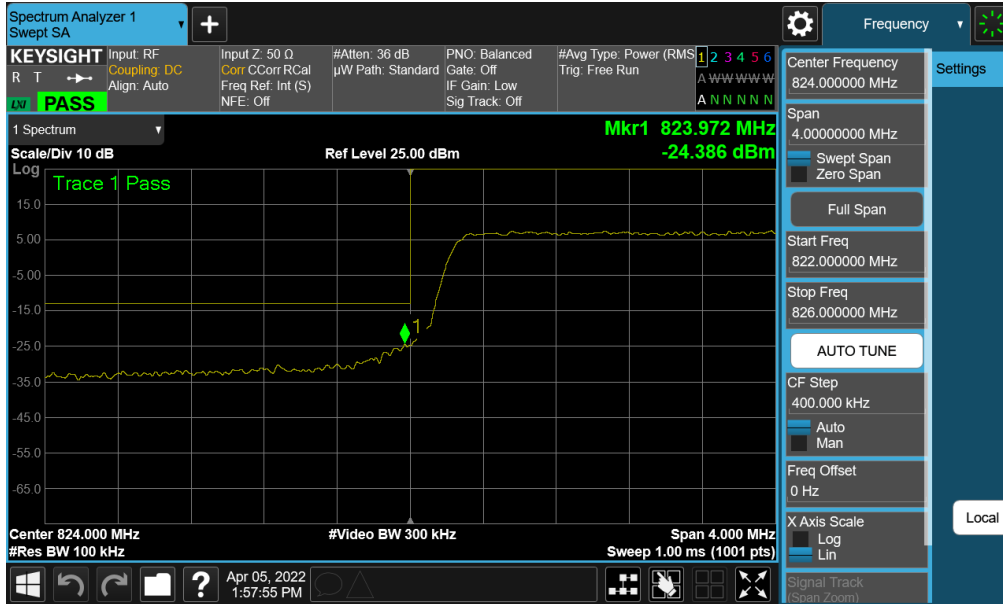
LTE Band 26/5



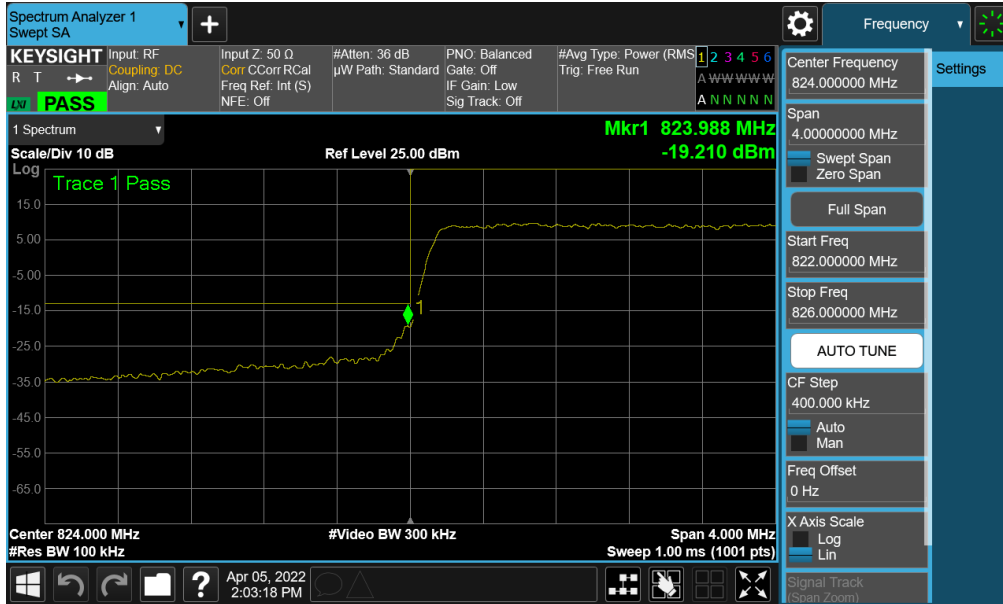
FCC ID: A3LSMF936B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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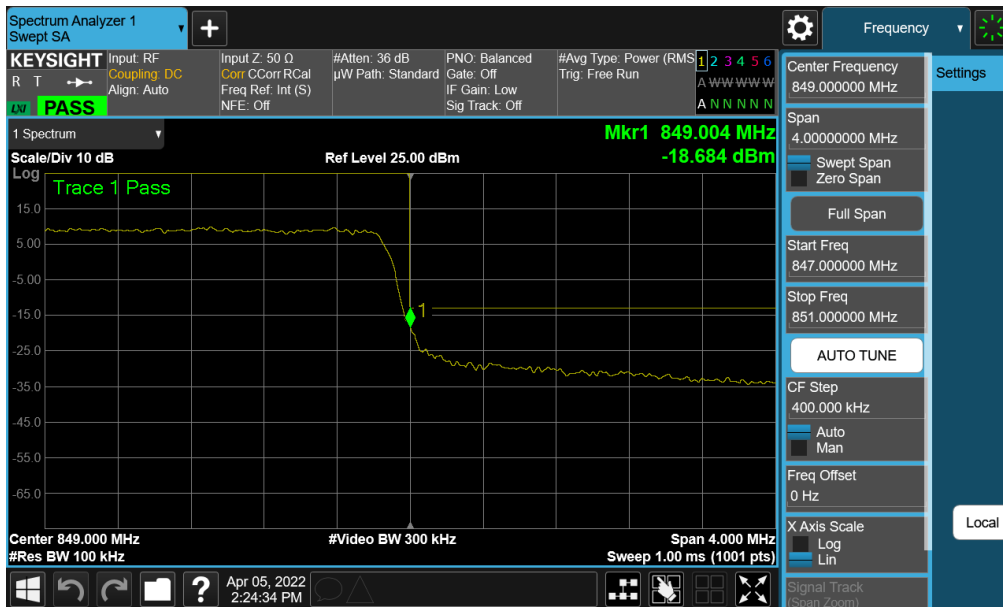
FCC ID: A3LSMF936B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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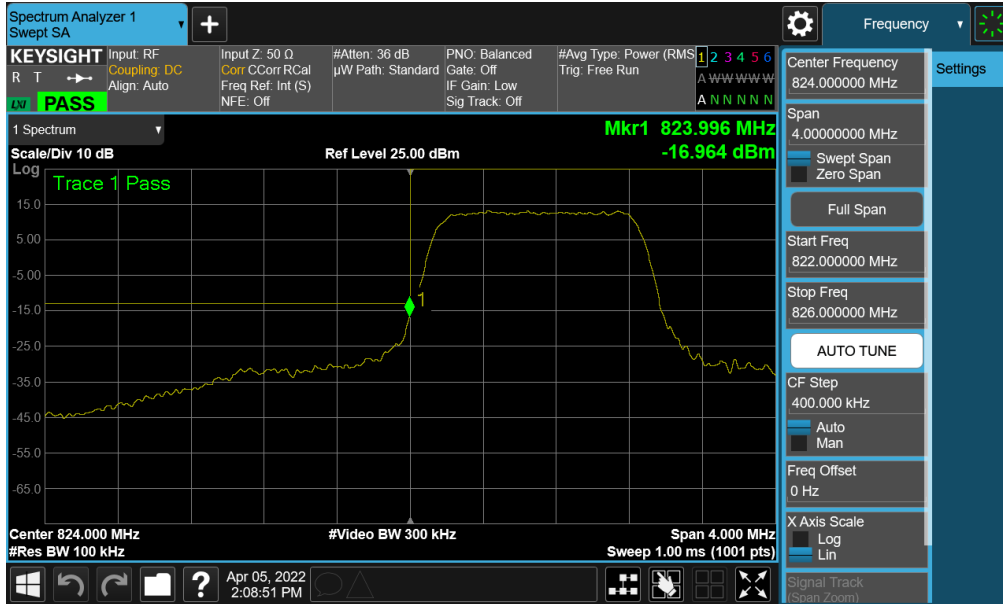


Plot 7-68. Lower Band Edge Plot (LTE Band 26/5 - 3MHz QPSK – Full RB)



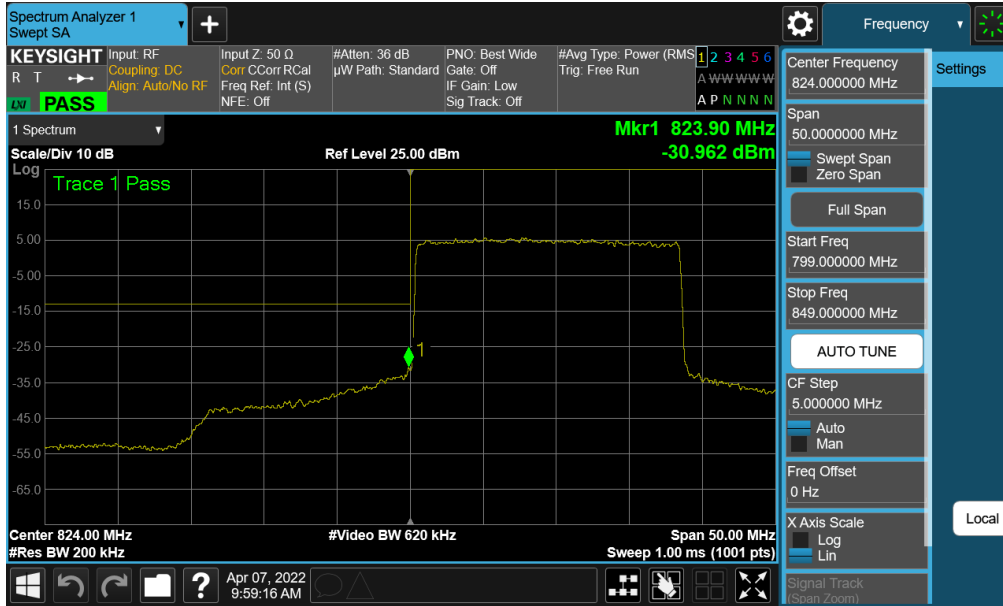
Plot 7-69. Upper Band Edge Plot (LTE Band 26/5 - 3MHz QPSK – Full RB)

FCC ID: A3LSMF936B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n5

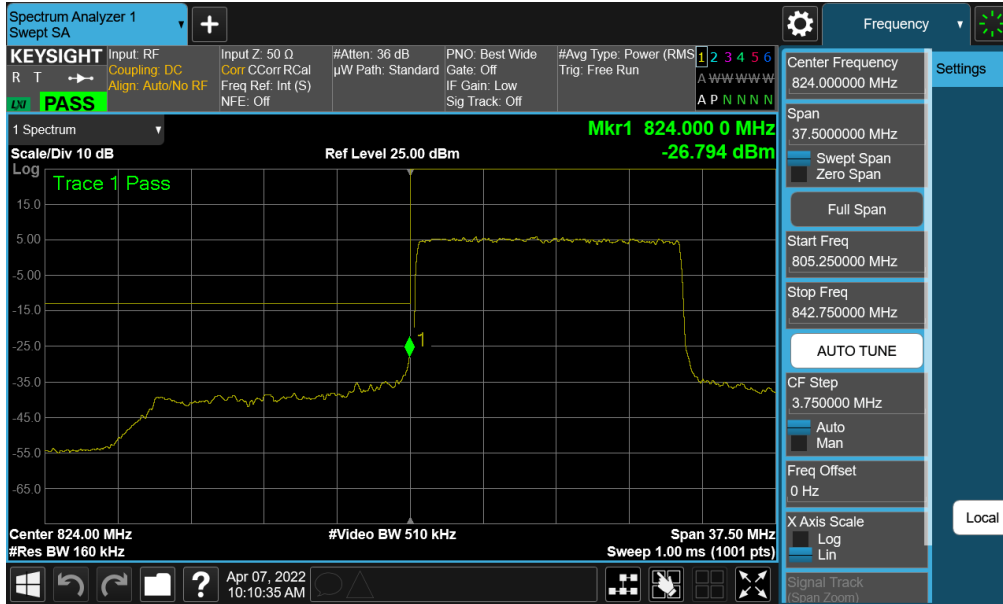


Plot 7-72. Lower Band Edge Plot (NR Band n5 – 20.0MHz - Full RB)

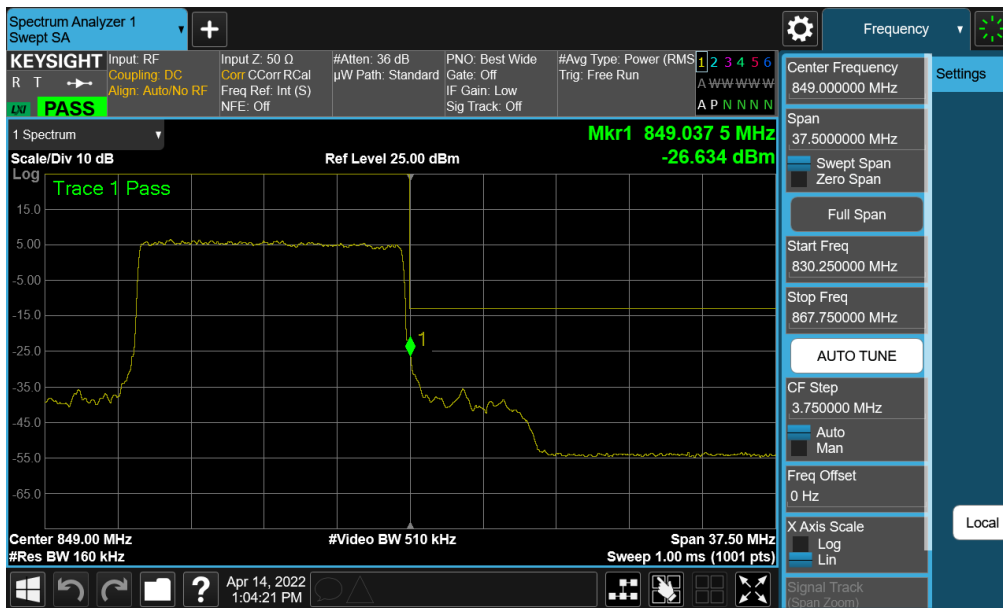


Plot 7-73. Upper Band Edge Plot (NR Band n5 – 20.0MHz - Full RB)

FCC ID: A3LSMF936B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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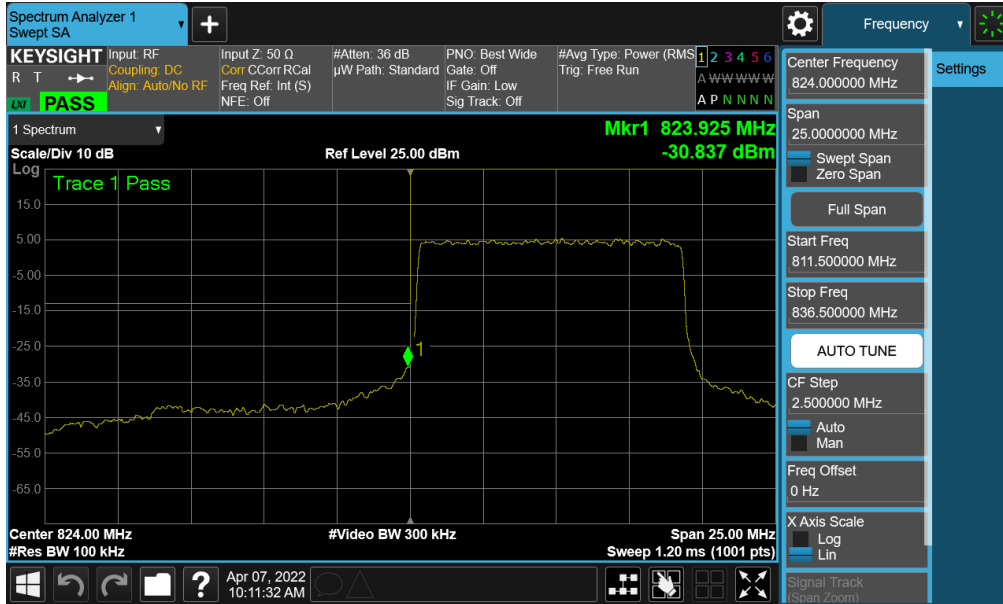


Plot 7-74. Lower Band Edge Plot (NR Band n5 – 15.0MHz - Full RB)



Plot 7-75. Upper Band Edge Plot (NR Band n5 – 15.0MHz - Full RB)

FCC ID: A3LSMF936B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-76. Lower Band Edge Plot (NR Band n5 – 10.0MHz - Full RB)



Plot 7-77. Upper Band Edge Plot (NR Band n5 – 10.0MHz - Full RB)

FCC ID: A3LSMF936B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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