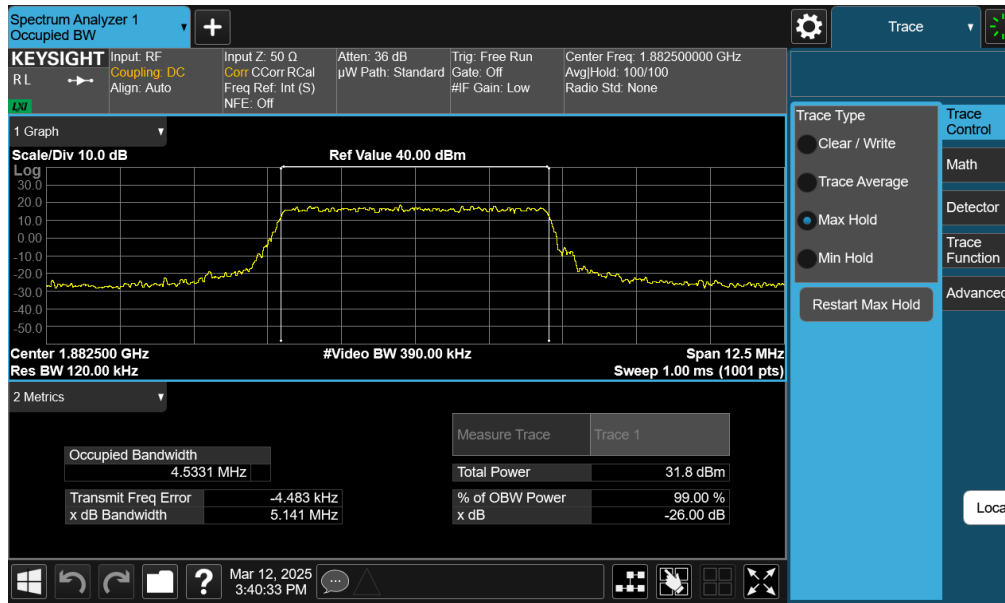
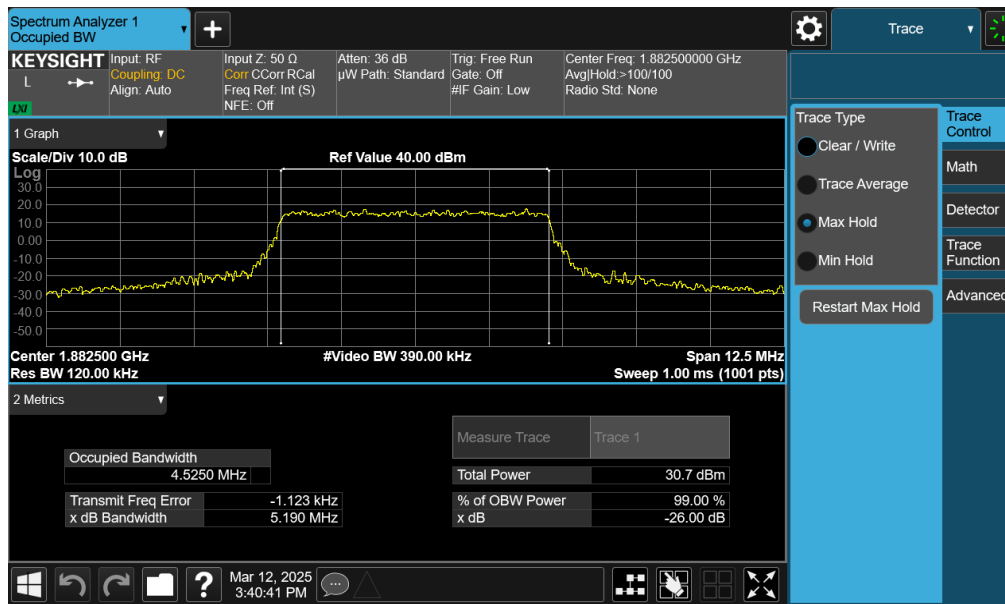


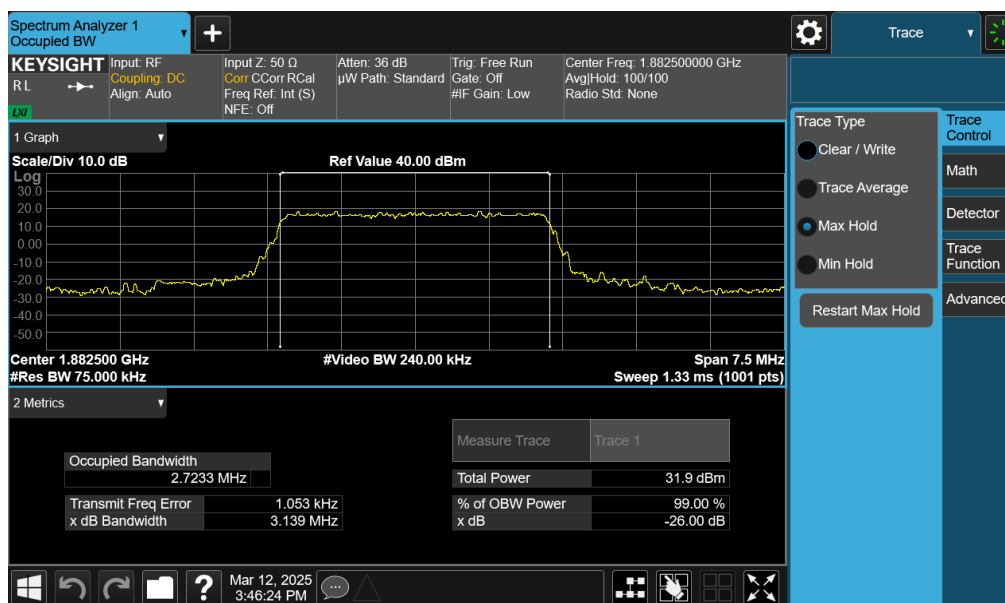


Plot 7-46. Occupied Bandwidth Plot (LTE Band 25/2 - 5MHz QPSK - Full RB - Ant2)

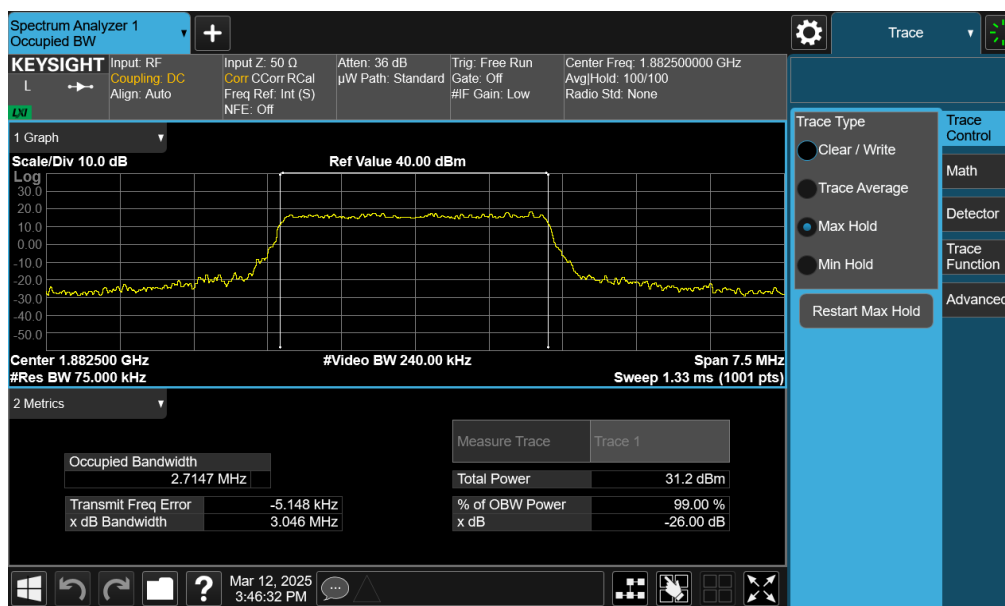


Plot 7-47. Occupied Bandwidth Plot (LTE Band 25/2 - 5MHz 16-QAM - Full RB - Ant2)

FCC ID: A3LSMF966B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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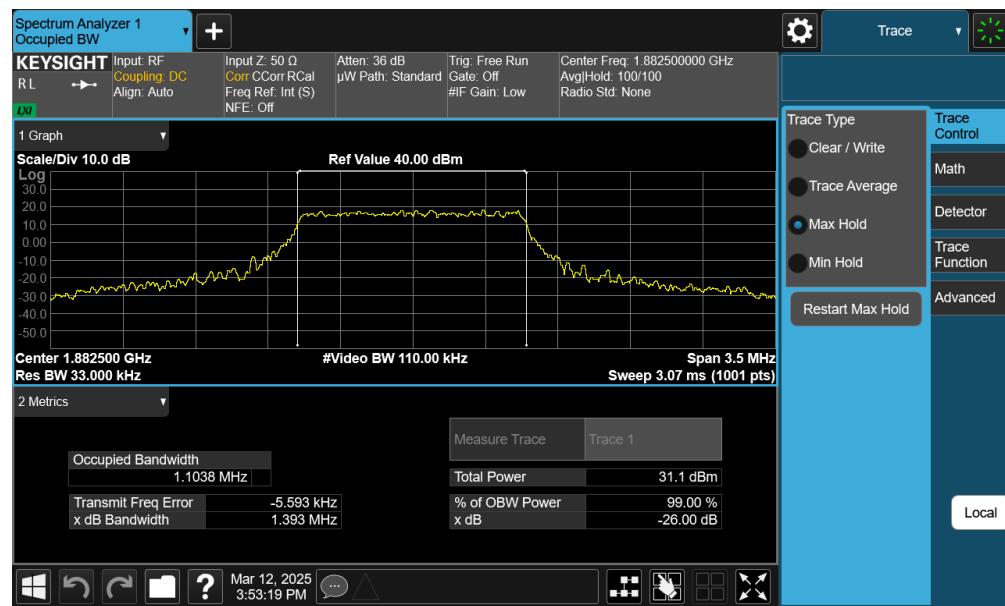
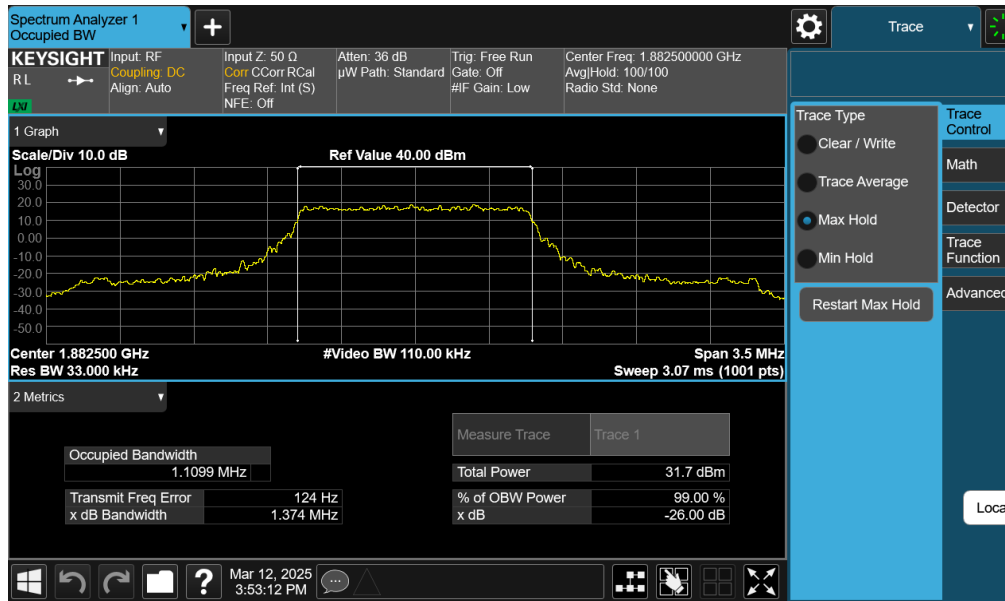


Plot 7-48. Occupied Bandwidth Plot (LTE Band 25/2 - 3MHz QPSK - Full RB - Ant2)



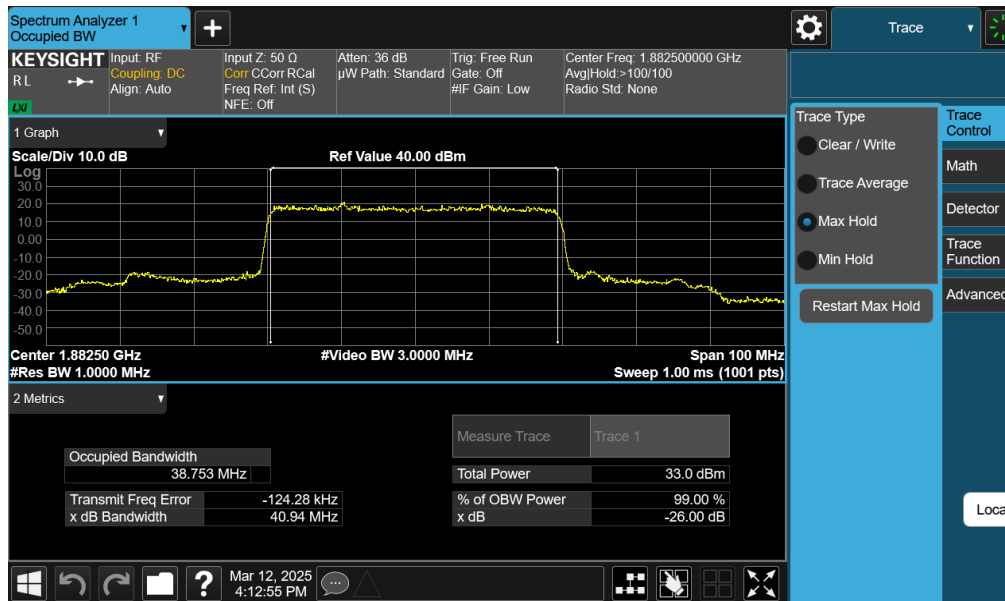
Plot 7-49. Occupied Bandwidth Plot (LTE Band 25/2 - 3MHz 16-QAM - Full RB - Ant2)

FCC ID: A3LSMF966B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502270019-02.A3L	Test Dates: 2/24/2025 - 4/25/2025	EUT Type: Portable Handset	Page 43 of 149

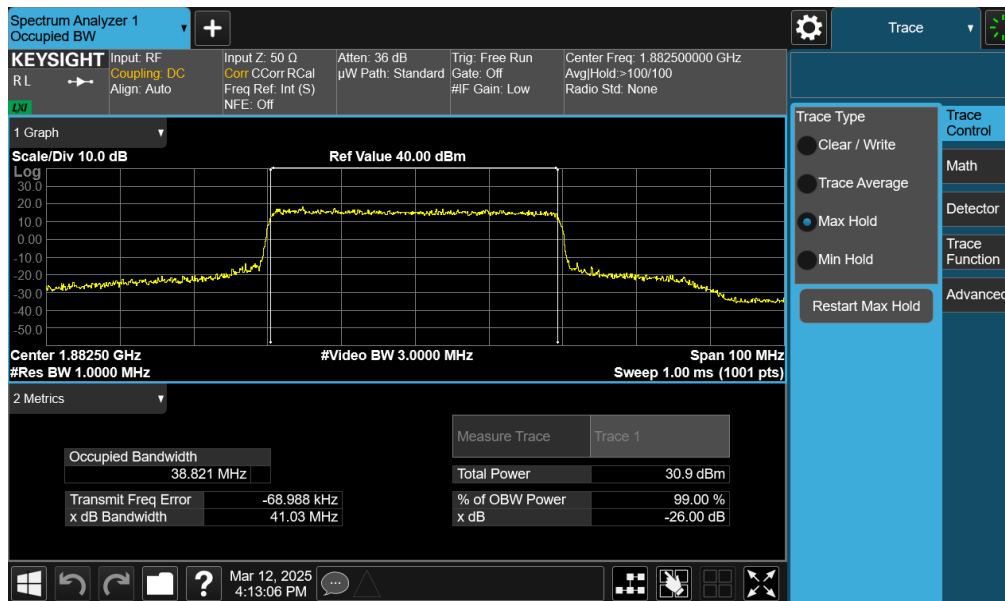


FCC ID: A3LSMF966B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n25/2 – Ant2

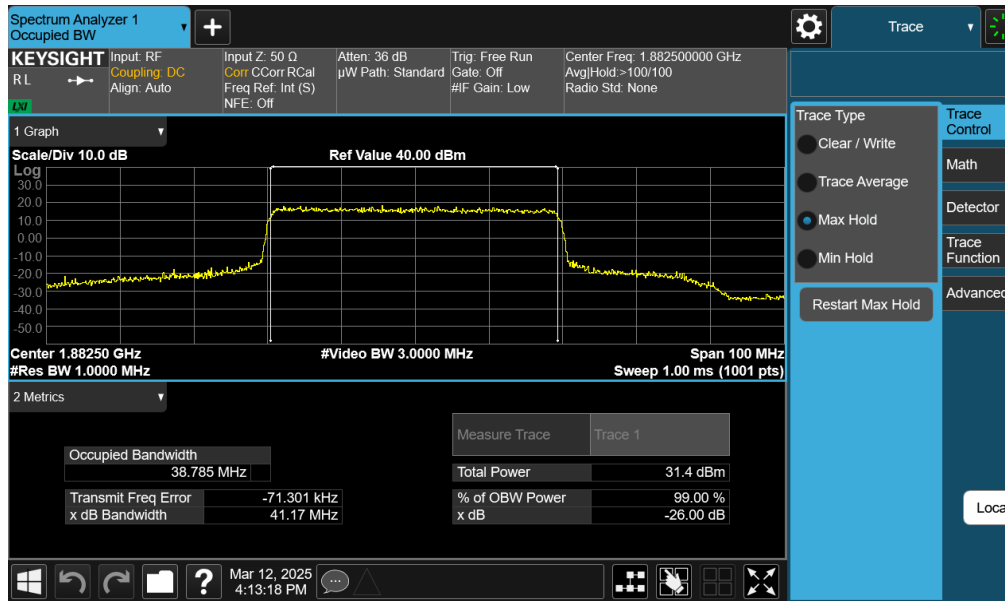


Plot 7-52. Occupied Bandwidth Plot (NR Band n25/2 - 40.0MHz DFT-s-OFDM BPSK - Full RB - ANT2)

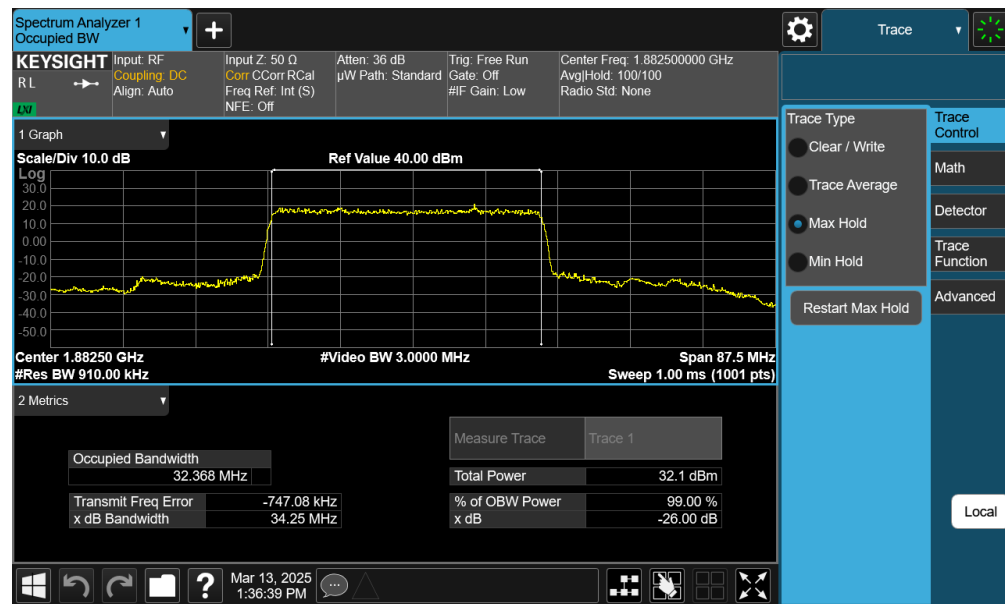


Plot 7-53. Occupied Bandwidth Plot (NR Band n25/2 - 40.0MHz CP-OFDM QPSK - Full RB - ANT2)

FCC ID: A3LSMF966B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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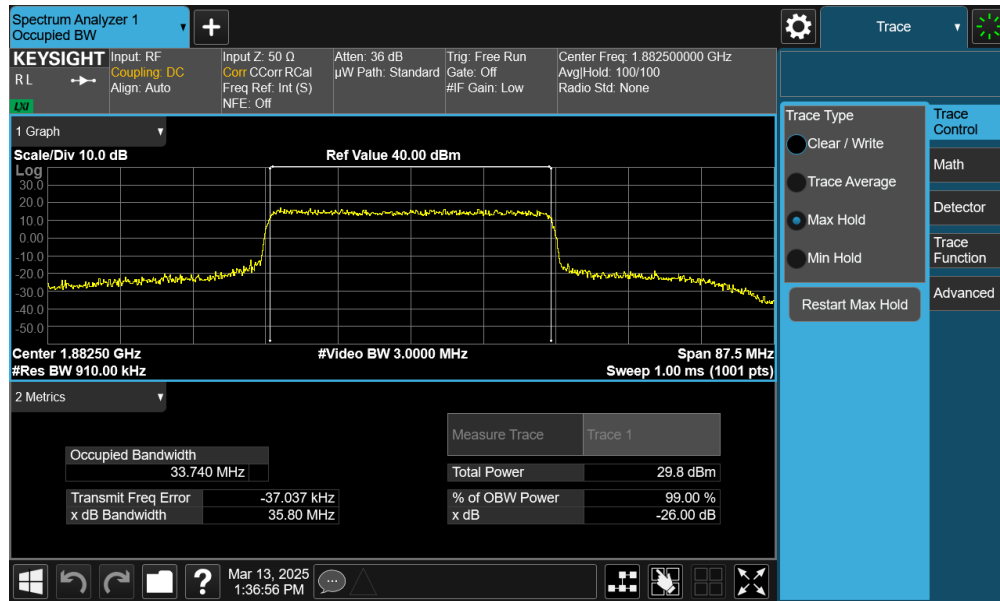


Plot 7-54. Occupied Bandwidth Plot (NR Band n25/2 - 40.0MHz CP-OFDM 16QAM - Full RB - ANT2)

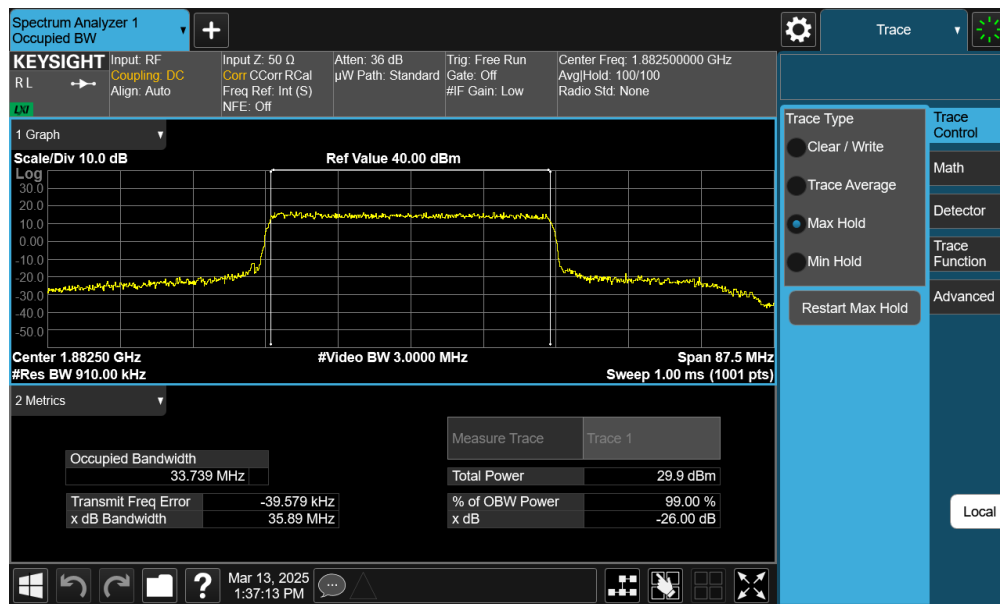


Plot 7-55. Occupied Bandwidth Plot (NR Band n25/2 - 35.0MHz DFT-s-OFDM BPSK - Full RB - ANT2)

FCC ID: A3LSMF966B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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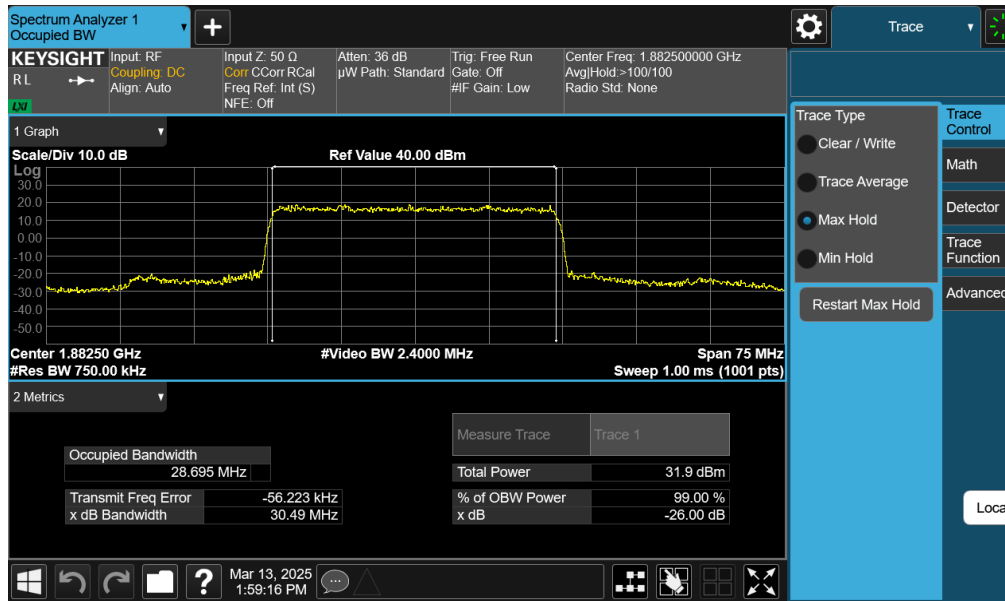


Plot 7-56. Occupied Bandwidth Plot (NR Band n25/2 - 35.0MHz CP-OFDM QPSK - Full RB - ANT2)

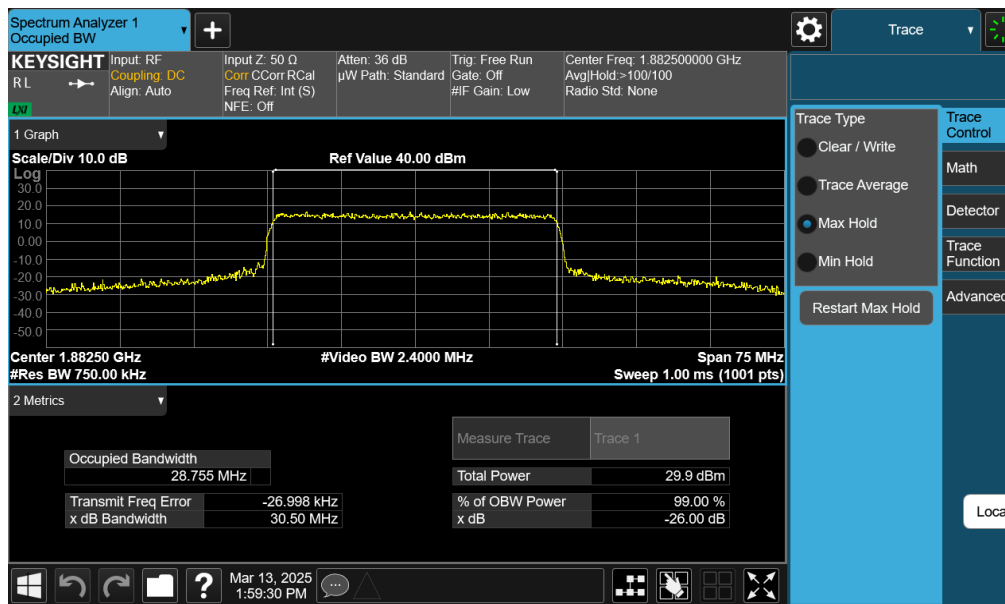


Plot 7-57. Occupied Bandwidth Plot (NR Band n25/2 - 35.0MHz CP-OFDM 16QAM - Full RB - ANT2)

FCC ID: A3LSMF966B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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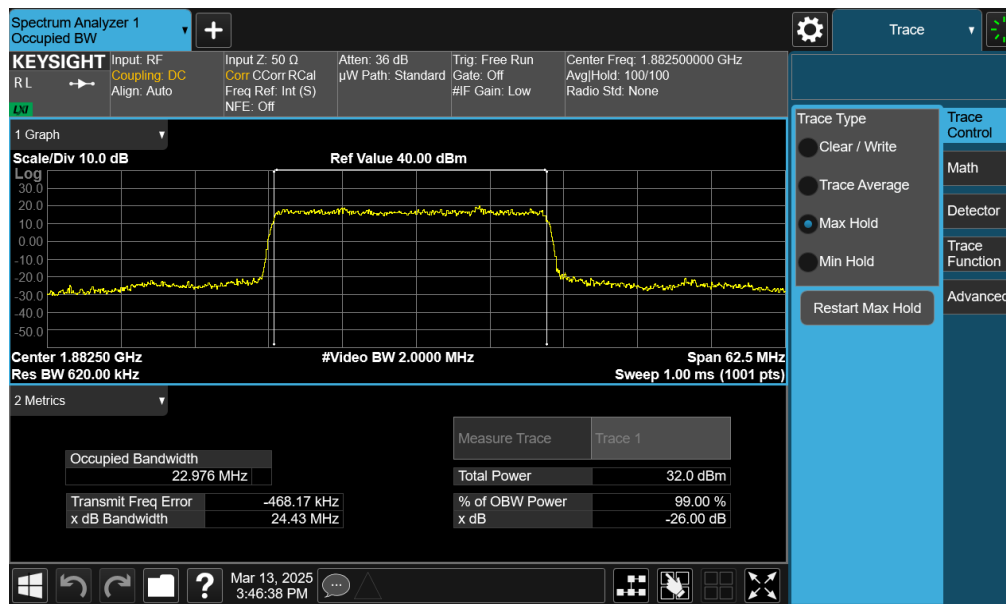
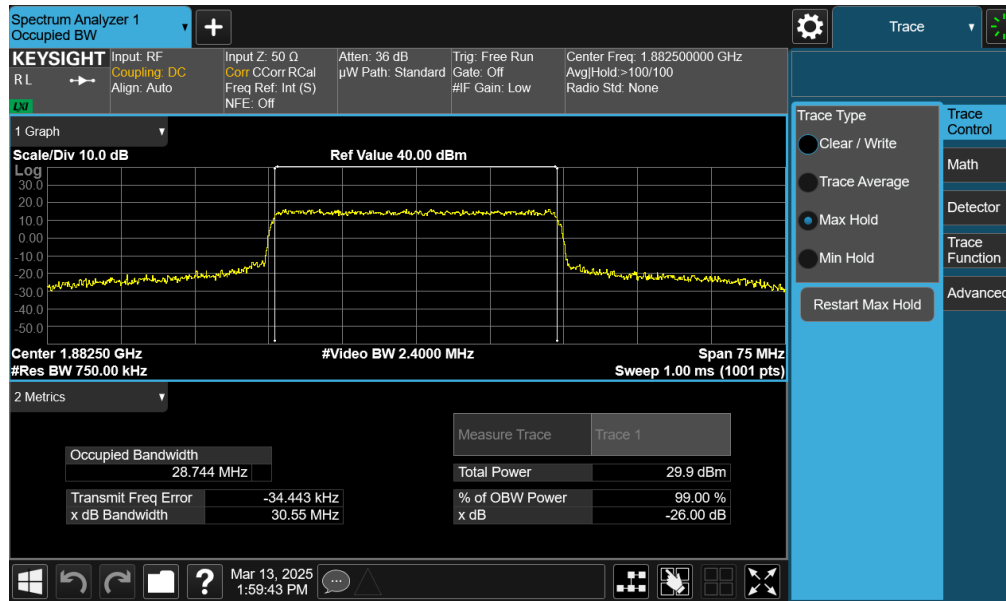


Plot 7-58. Occupied Bandwidth Plot (NR Band n25/2 - 30.0MHz DFT-s-OFDM BPSK - Full RB - ANT2)

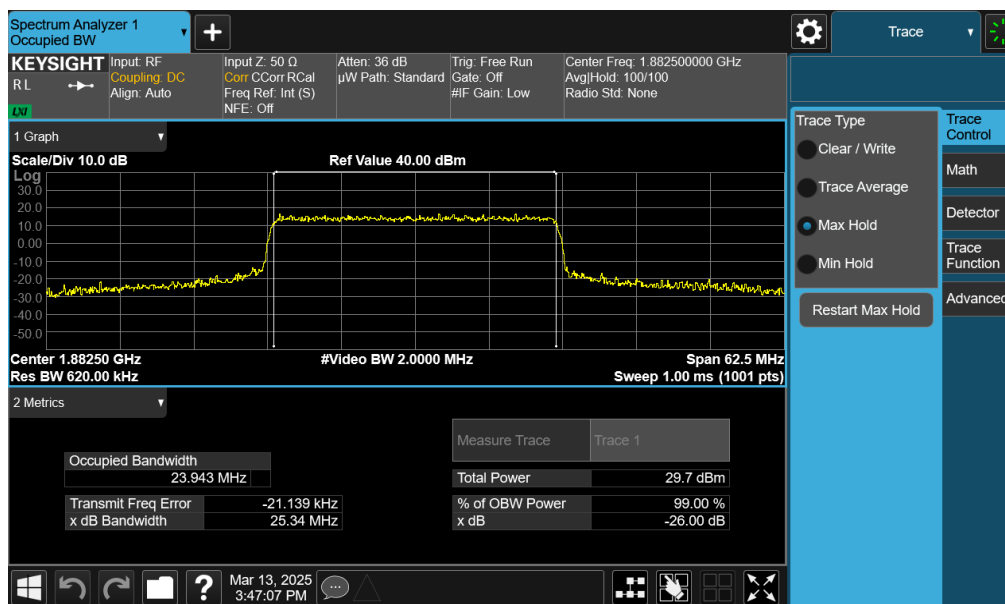
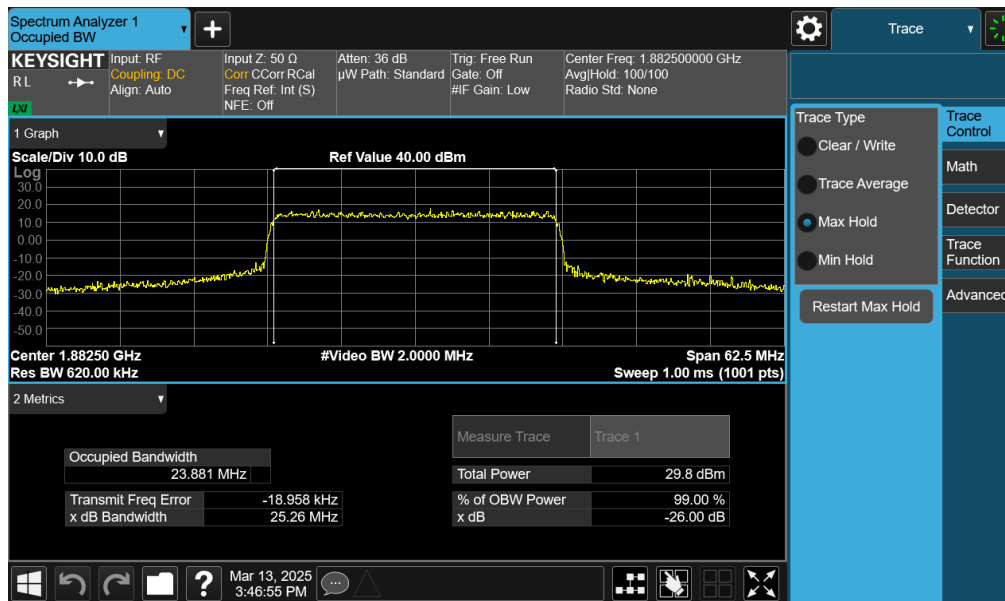


Plot 7-59. Occupied Bandwidth Plot (NR Band n25/2 - 30.0MHz CP-OFDM QPSK - Full RB - ANT2)

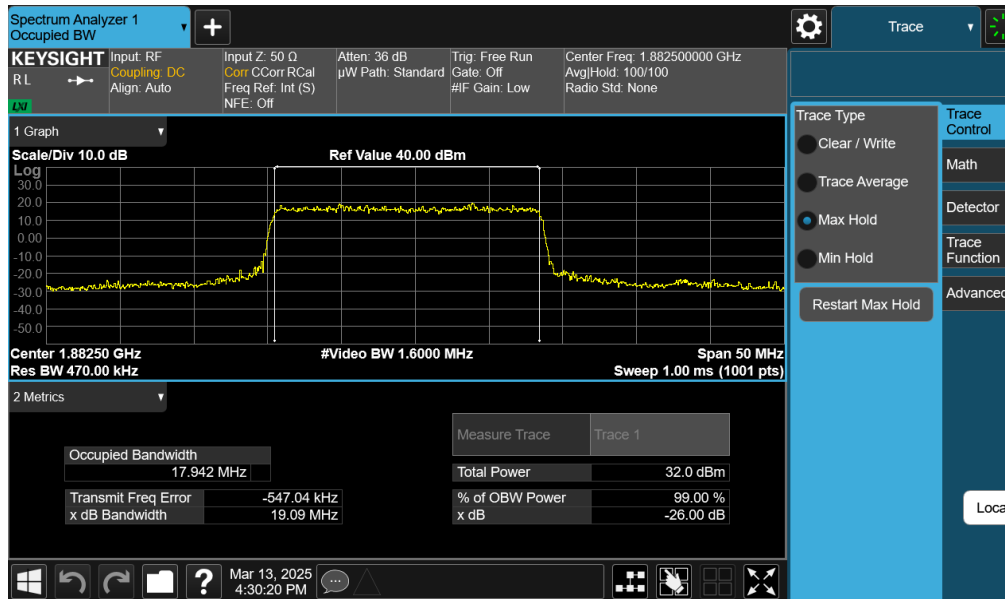
FCC ID: A3LSMF966B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502270019-02.A3L	Test Dates: 2/24/2025 - 4/25/2025	EUT Type: Portable Handset	Page 48 of 149



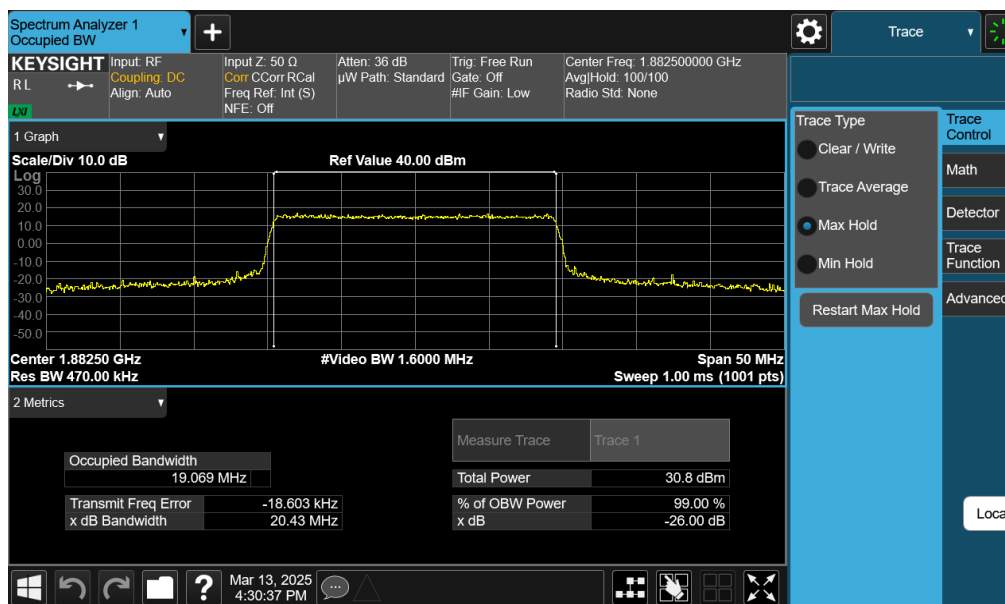
FCC ID: A3LSMF966B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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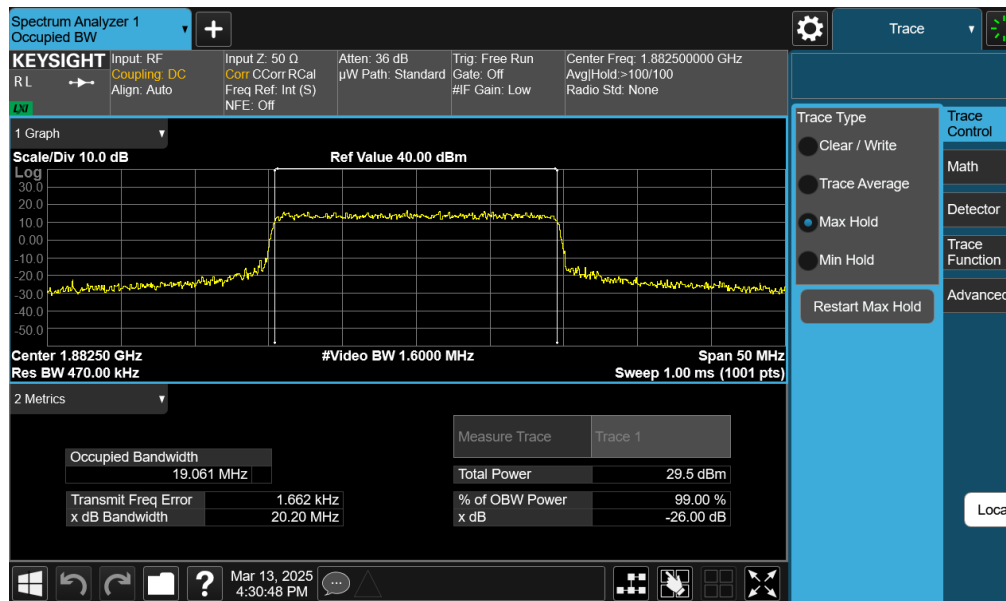


Plot 7-64. Occupied Bandwidth Plot (NR Band n25/2 - 20.0MHz DFT-s-OFDM BPSK - Full RB - ANT2)

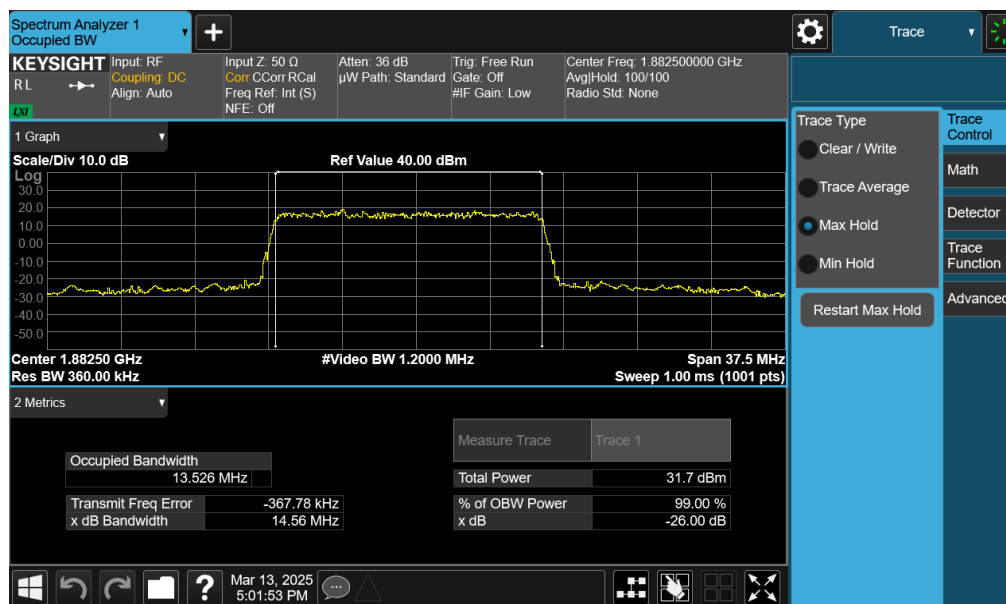


Plot 7-65. Occupied Bandwidth Plot (NR Band n25/2 - 20.0MHz CP-OFDM QPSK - Full RB - ANT2)

FCC ID: A3LSMF966B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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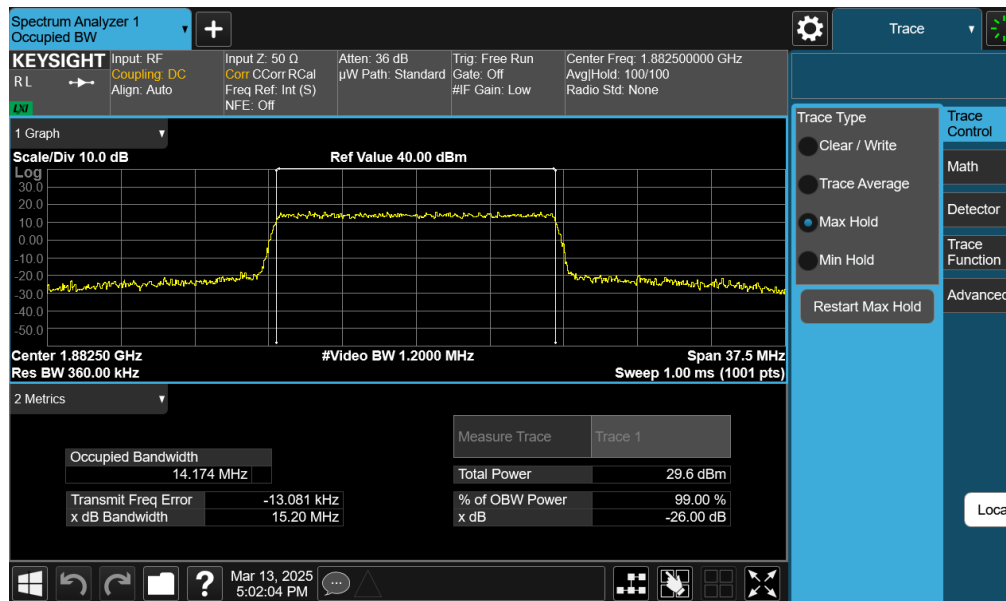


Plot 7-66. Occupied Bandwidth Plot (NR Band n25/2 - 20.0MHz CP-OFDM 16QAM - Full RB - ANT2)

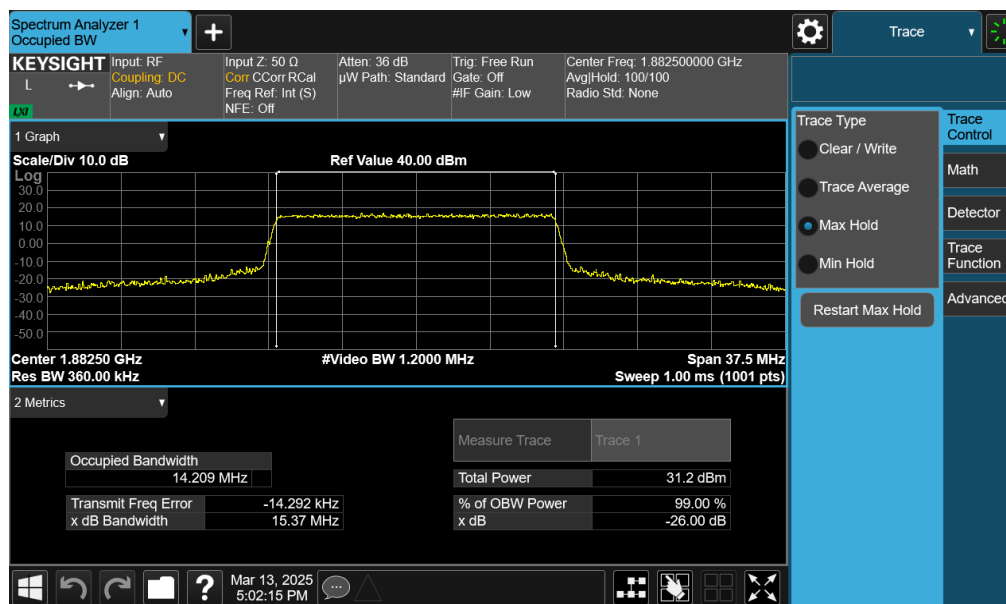


Plot 7-67. Occupied Bandwidth Plot (NR Band n25/2 - 15.0MHz DFT-s-OFDM BPSK - Full RB - ANT2)

FCC ID: A3LSMF966B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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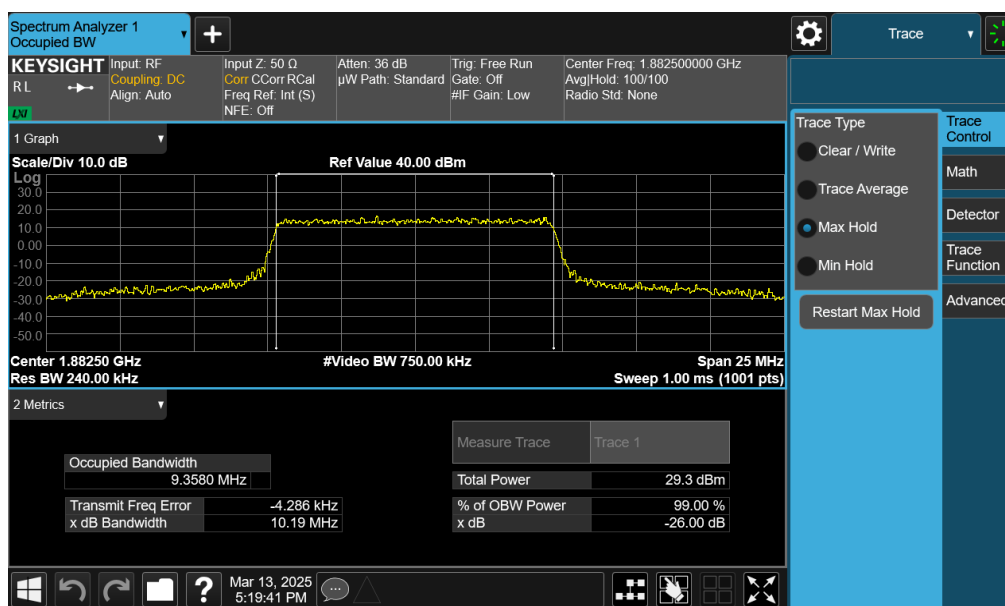
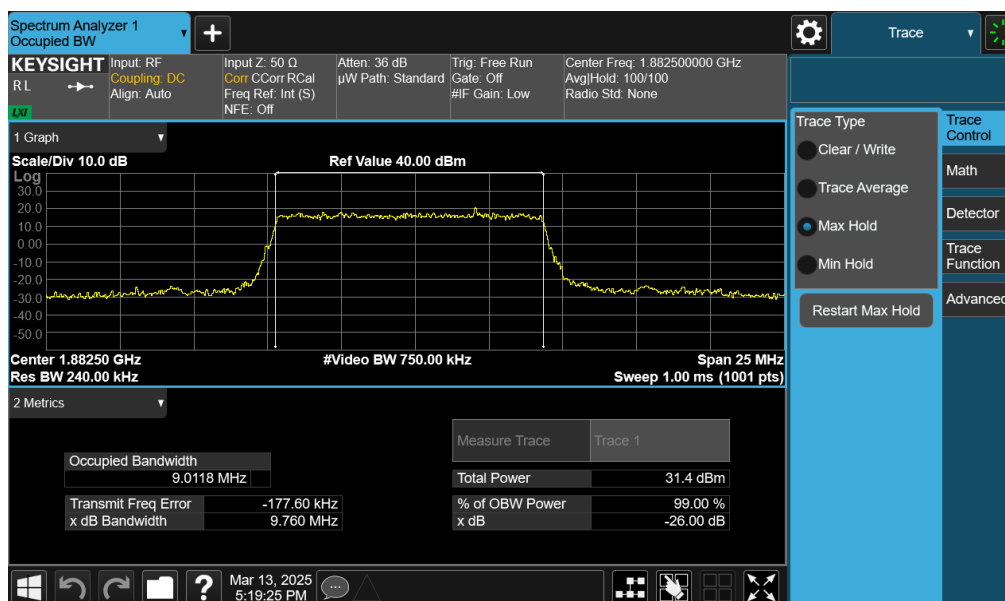


Plot 7-68. Occupied Bandwidth Plot (NR Band n25/2 - 15.0MHz CP-OFDM QPSK - Full RB - ANT2)

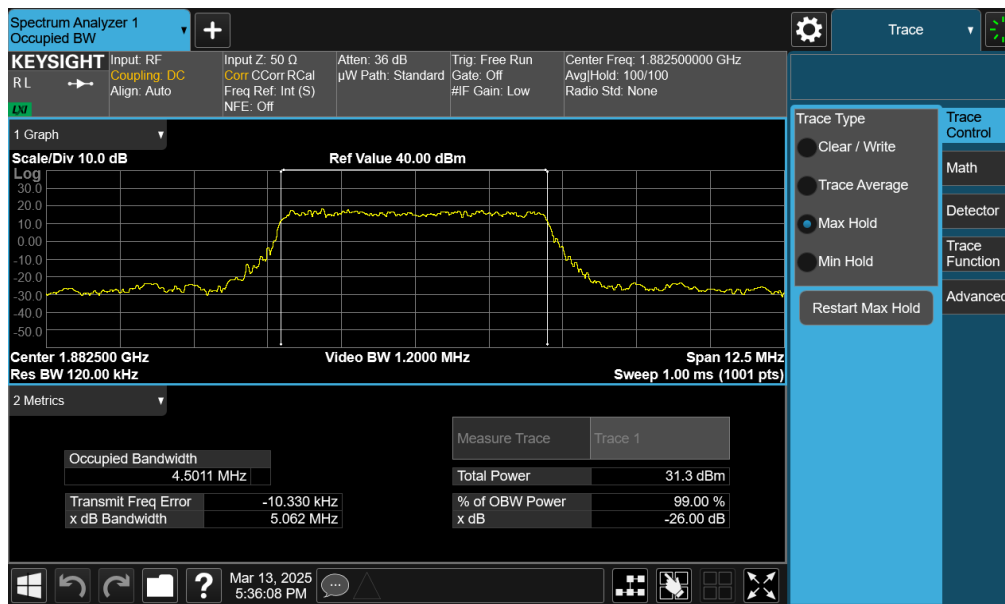
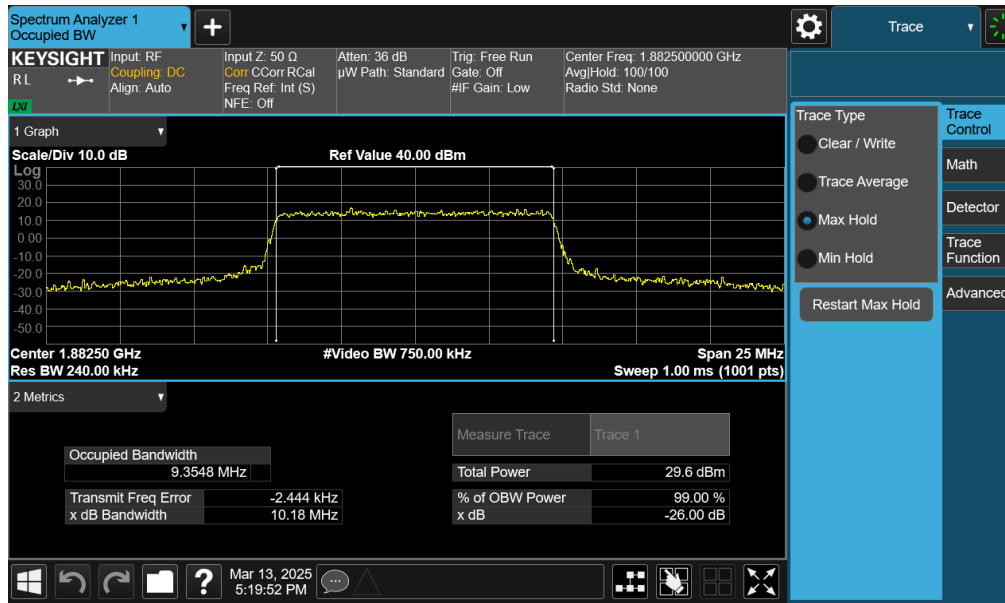


Plot 7-69. Occupied Bandwidth Plot (NR Band n25/2 - 15.0MHz CP-OFDM 16QAM - Full RB - ANT2)

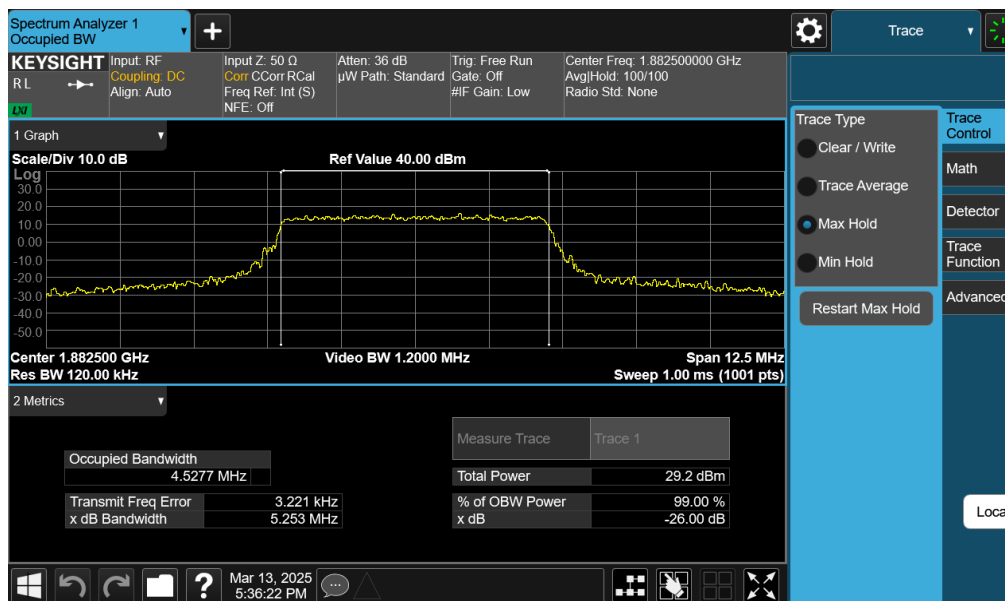
FCC ID: A3LSMF966B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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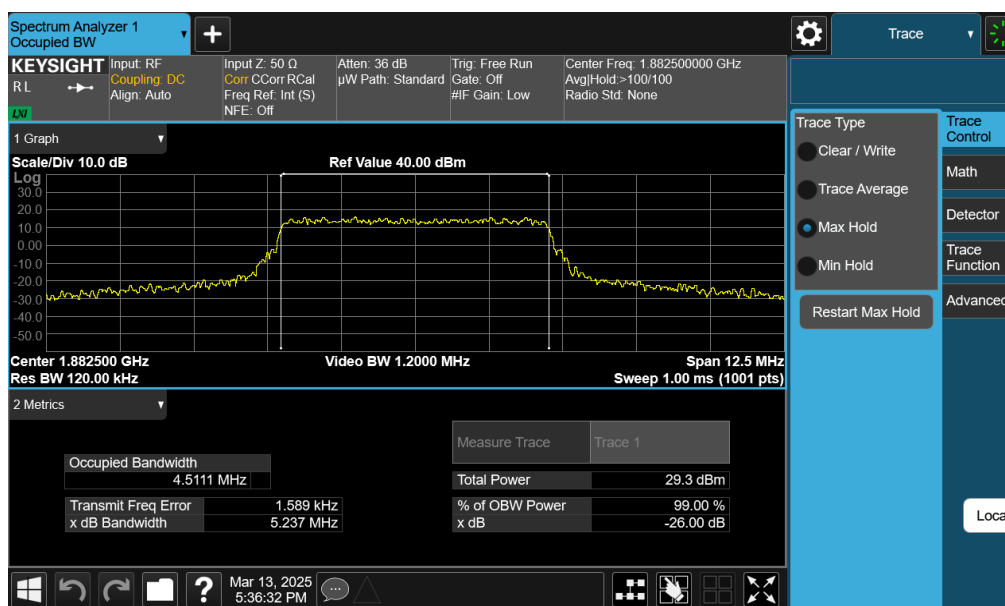
FCC ID: A3LSMF966B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-74. Occupied Bandwidth Plot (NR Band n25/2 - 5.0MHz CP-OFDM QPSK - Full RB - ANT2)



Plot 7-75. Occupied Bandwidth Plot (NR Band n25/2 - 5.0MHz CP-OFDM 16QAM - Full RB - ANT2)

FCC ID: A3LSMF966B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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7.4 Spurious and Harmonic Emissions at Antenna Terminal

Test Overview

The level of the carrier and the various conducted spurious and harmonic frequencies is measured by means of a calibrated spectrum analyzer. The spectrum is scanned from the lowest frequency generated in the equipment up to a frequency including its 10th harmonic. 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 5.7.4

Test Settings

1. Start frequency was set to 30MHz and stop frequency was set to 20GHz (separated into at least two plots per channel)
2. Detector = RMS
3. Trace mode = trace average for continuous emissions, max hold for pulse emissions
4. Sweep time = auto couple
5. The trace was allowed to stabilize
6. Please see test notes below for RBW and VBW settings

Test Setup

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

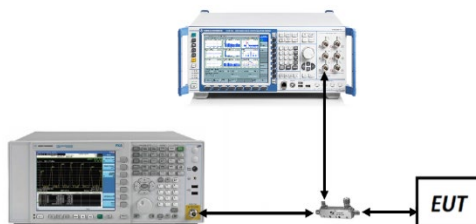


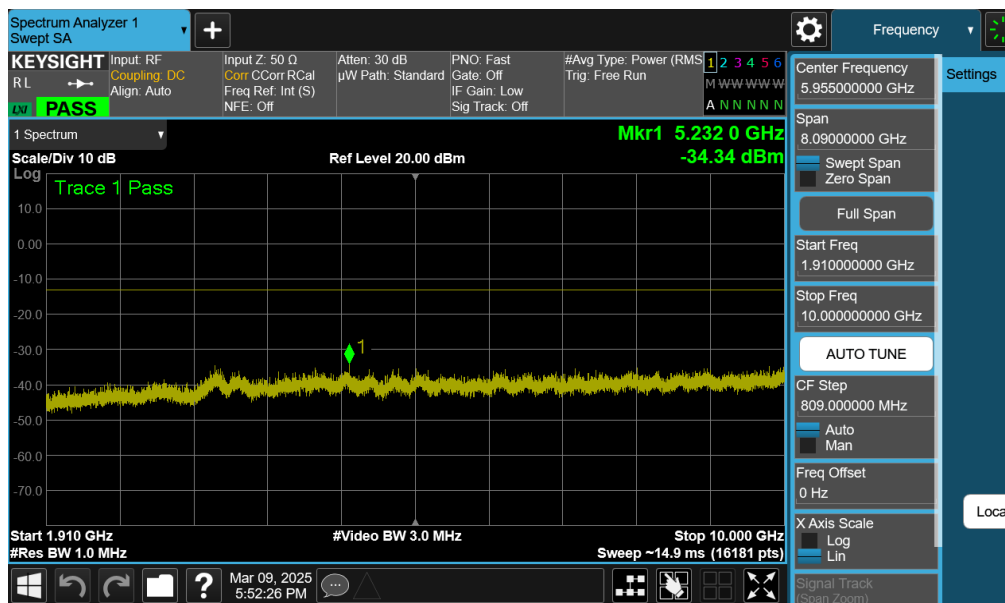
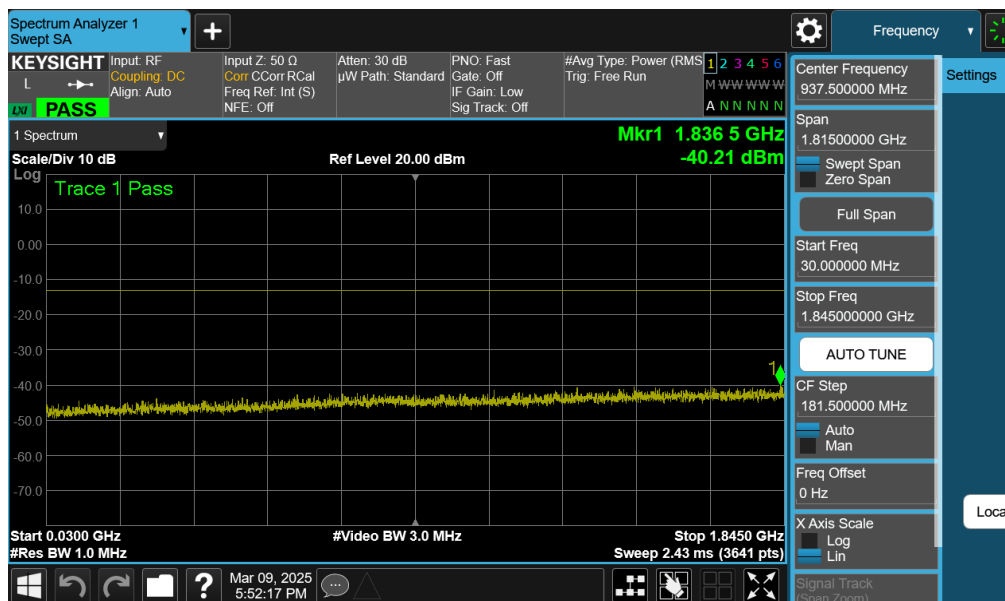
Figure 7-3. Test Instrument & Measurement Setup

Test Notes

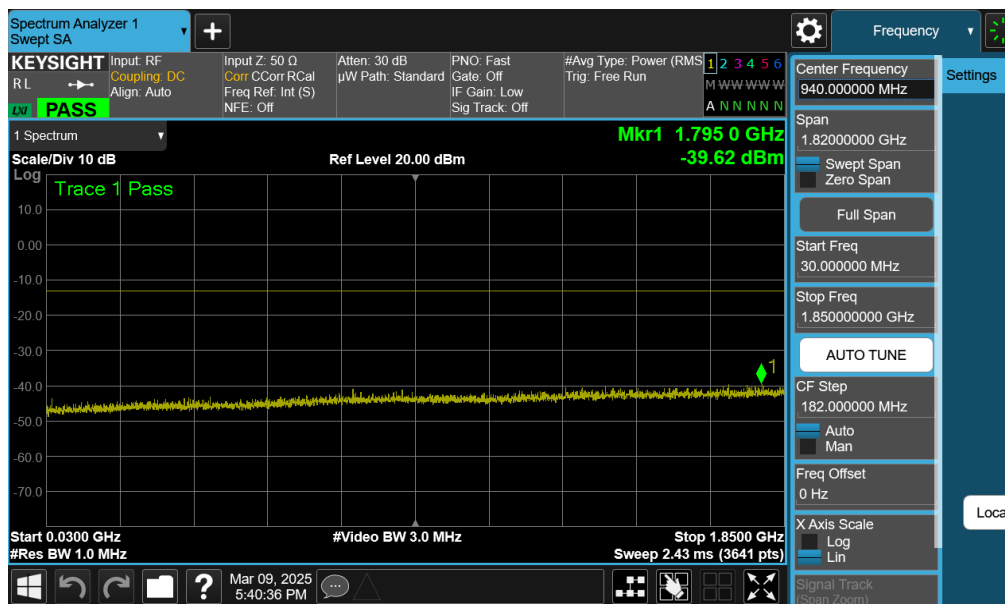
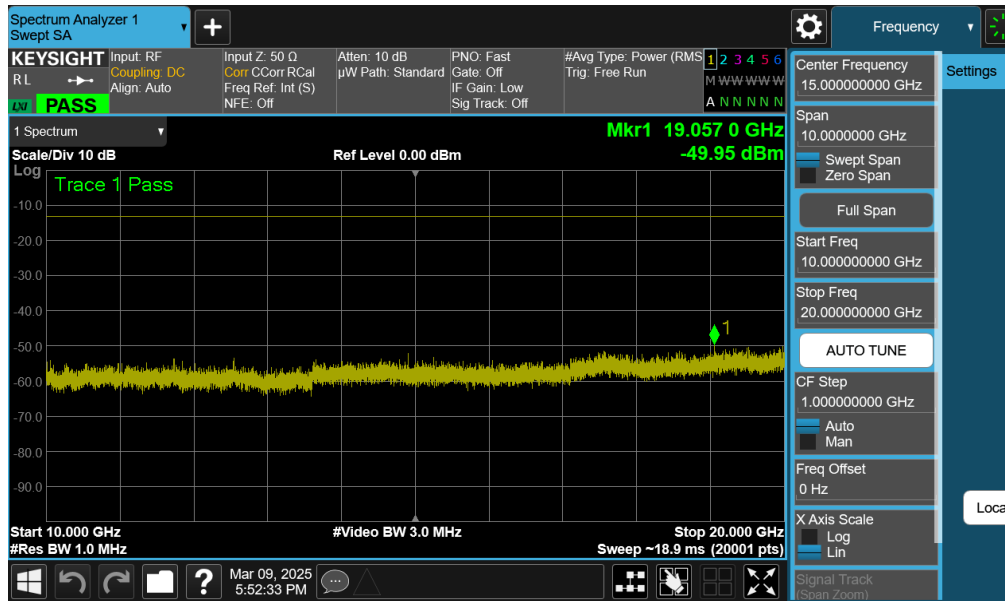
1. Per Part 24 and RSS-133, compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz.
2. For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst-case configuration results are reported in this section.

FCC ID: A3LSMF966B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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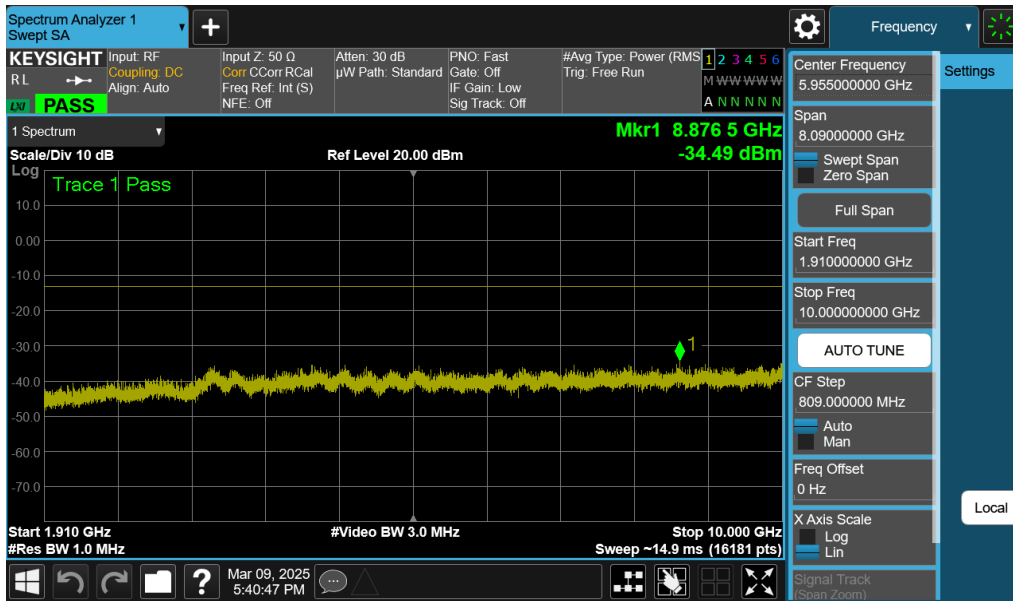
GSM/GPRS PCS – Ant1



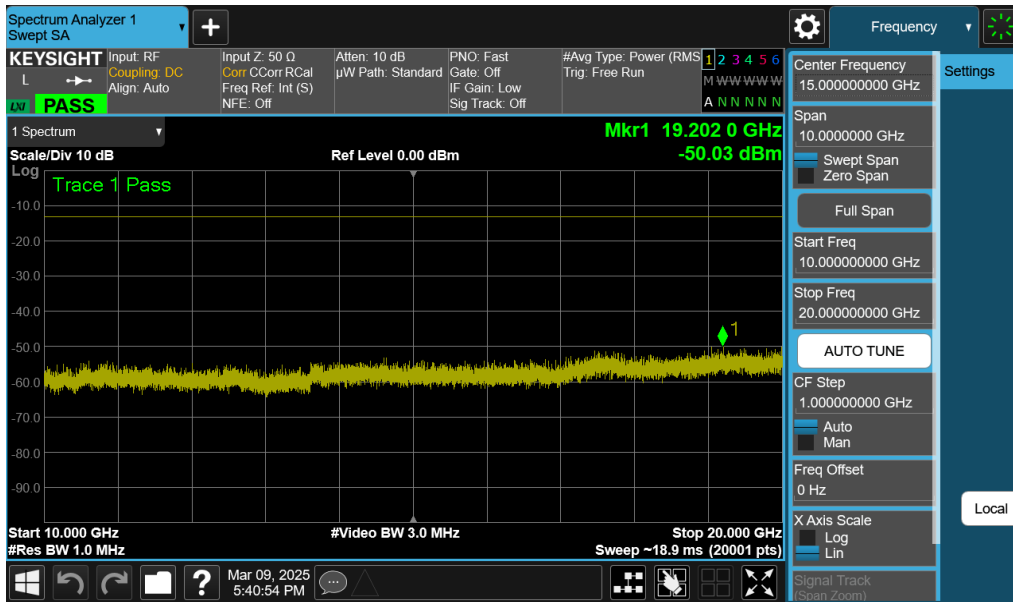
FCC ID: A3LSMF966B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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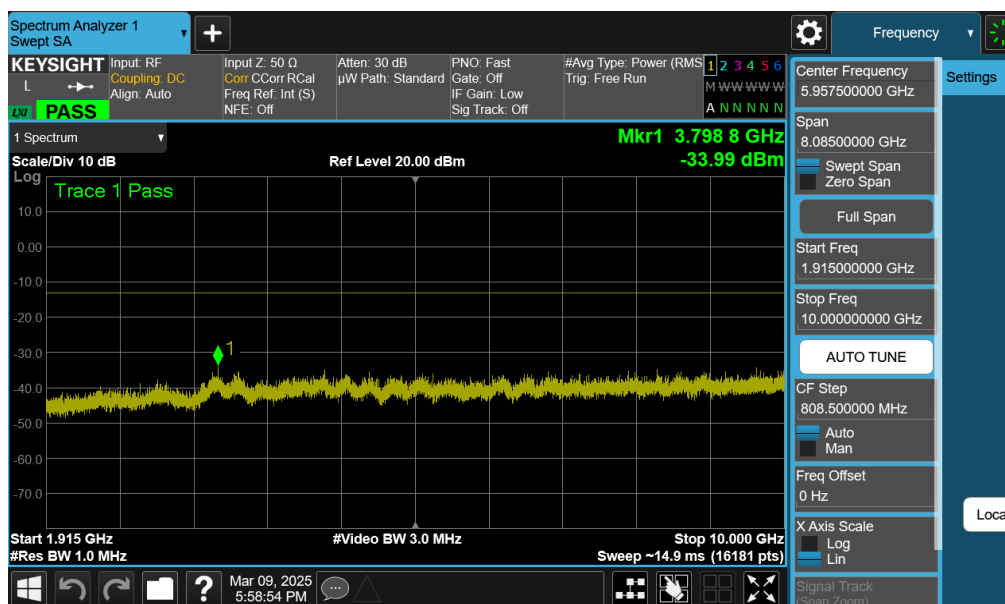
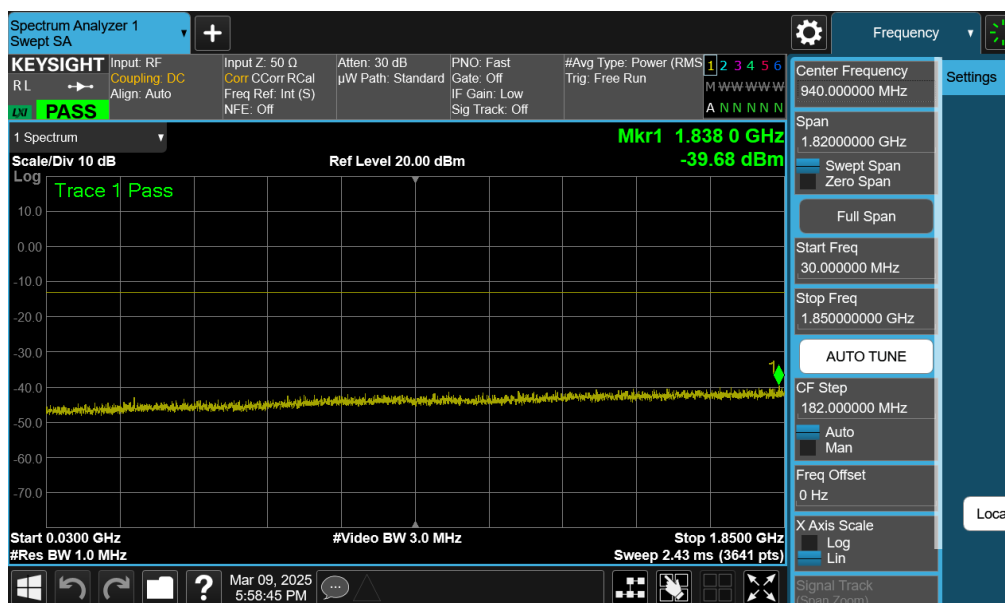


Plot 7-80. Conducted Spurious Plot (GPRS Ch. 661 - Ant1)

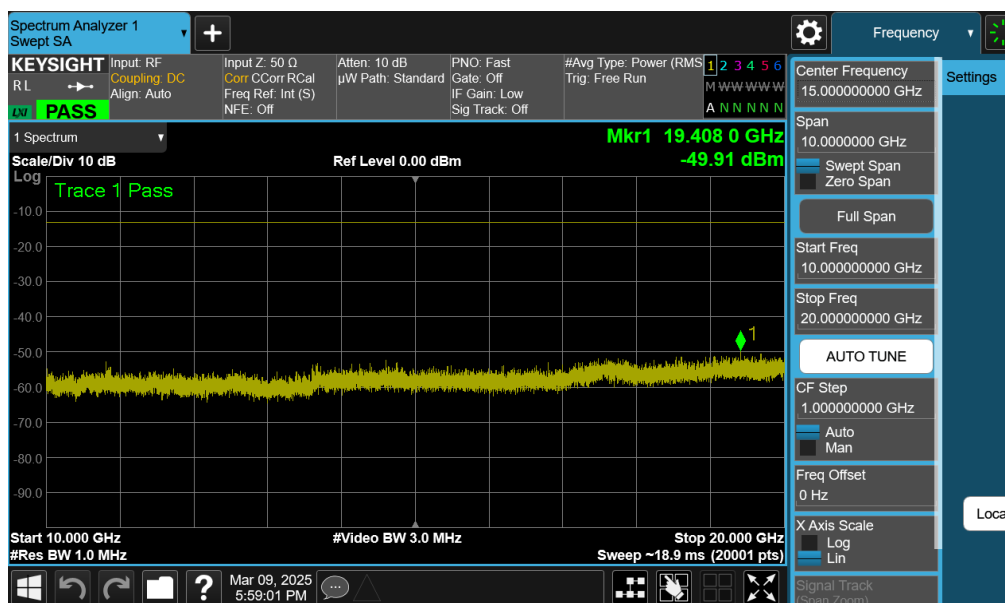


Plot 7-81. Conducted Spurious Plot (GPRS Ch. 661 - Ant1)

FCC ID: A3LSMF966B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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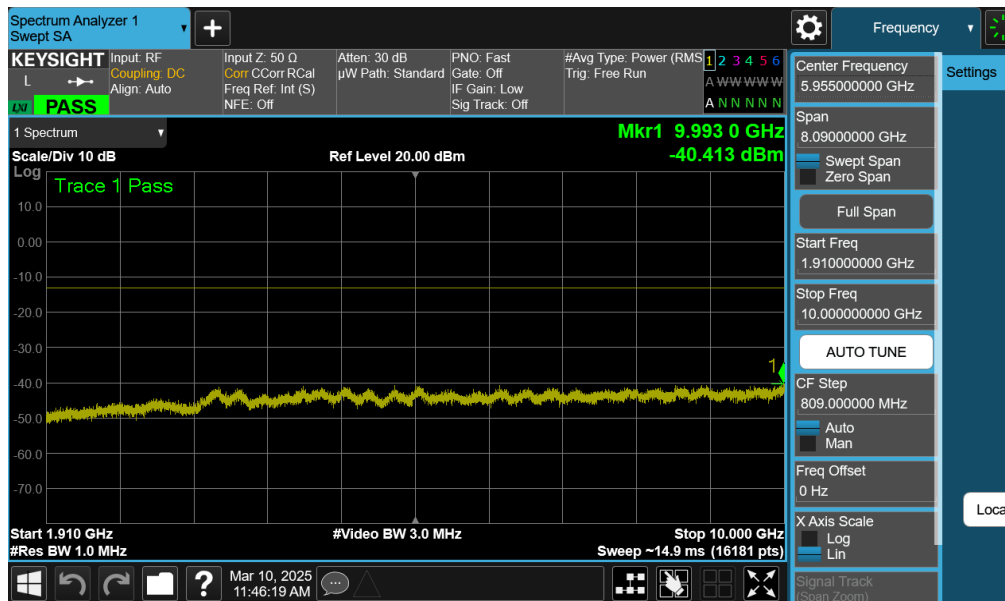
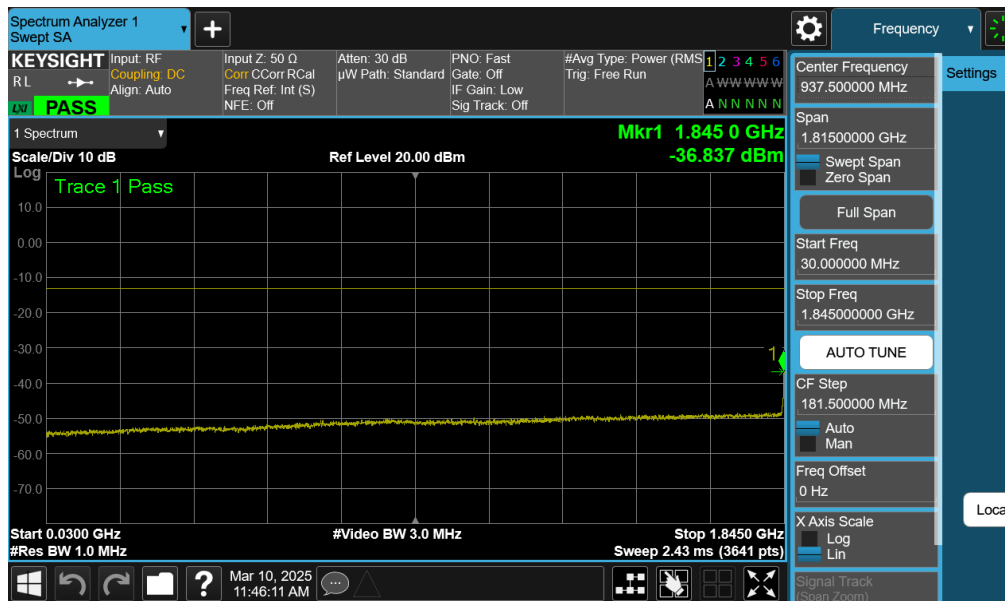
FCC ID: A3LSMF966B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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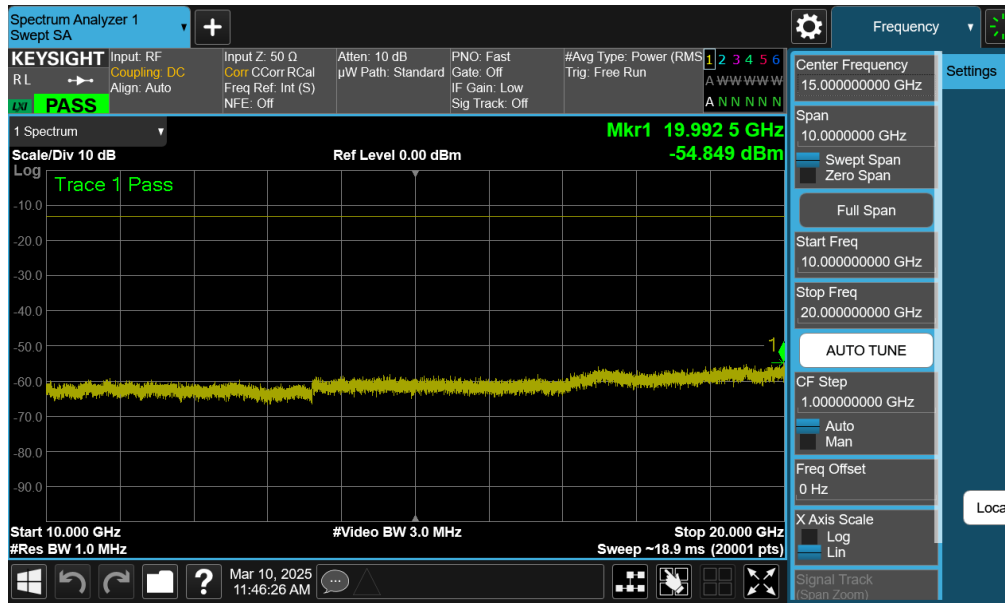
Plot 7-84. Conducted Spurious Plot (GPRS Ch. 810 - Ant1)

FCC ID: A3LSMF966B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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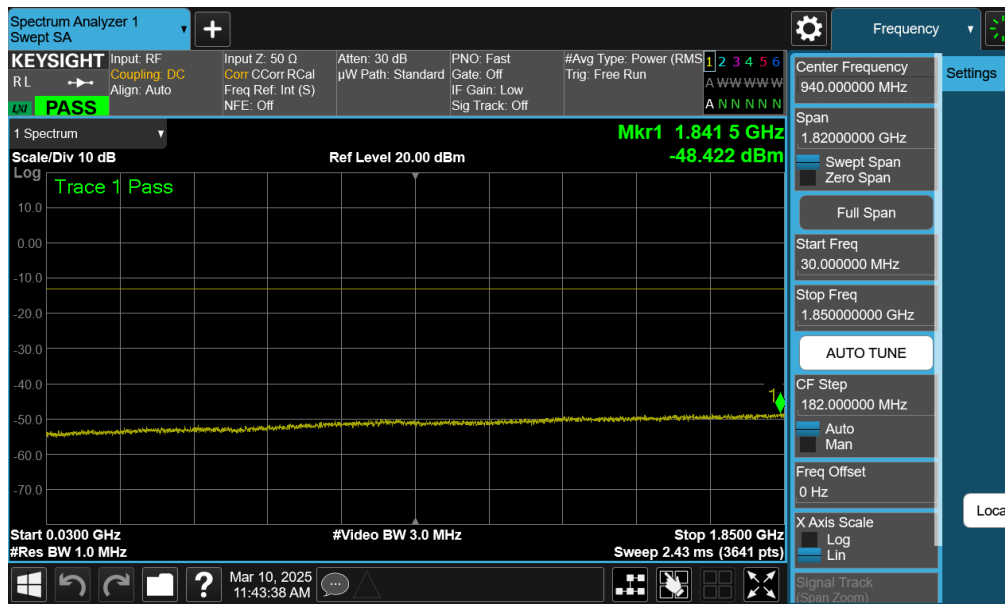
WCDMA PCS – Ant1



FCC ID: A3LSMF966B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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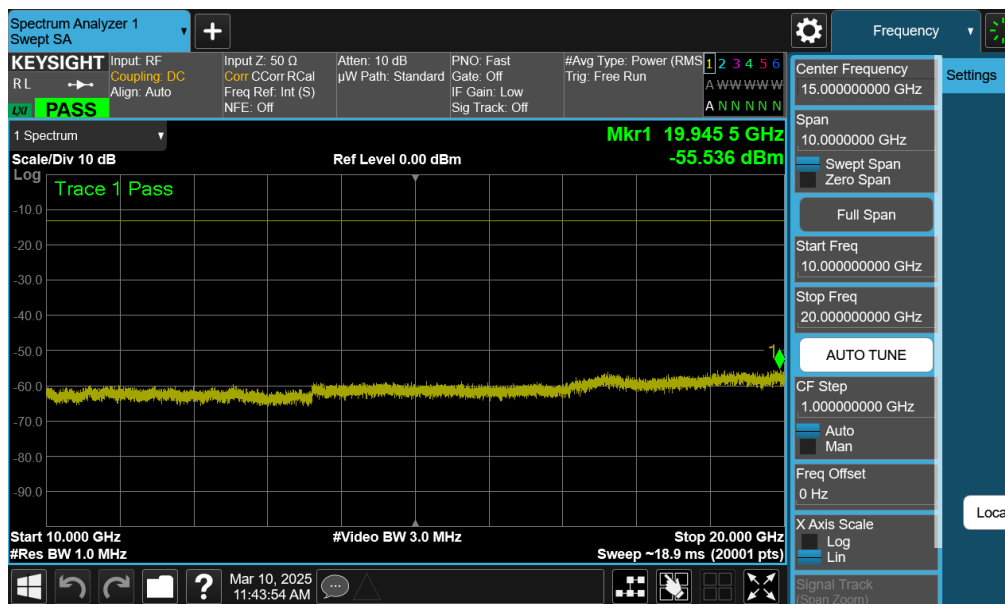
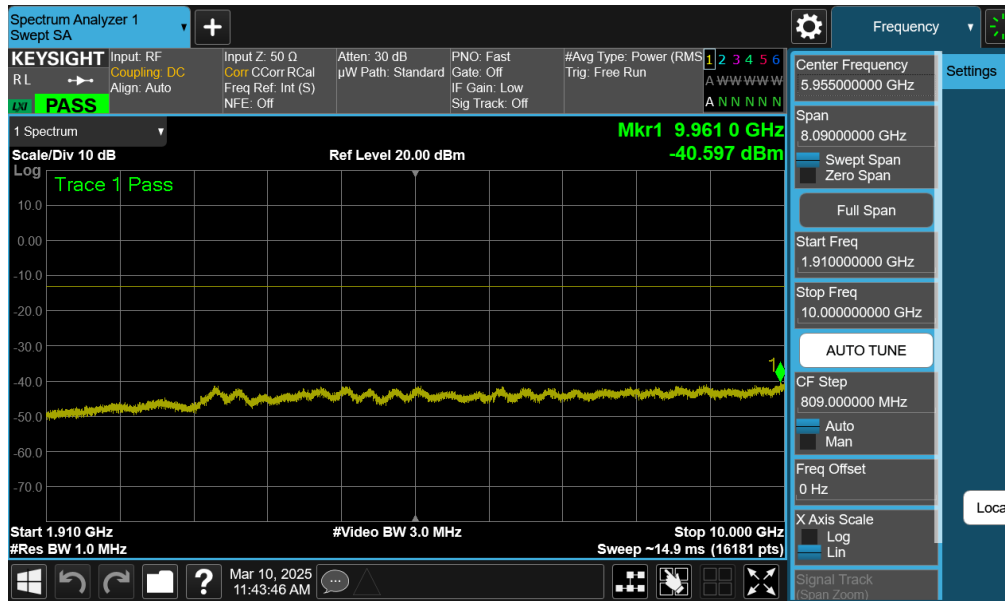


Plot 7-87. Conducted Spurious Plot (WCDMA Ch. 9262 - Ant1)

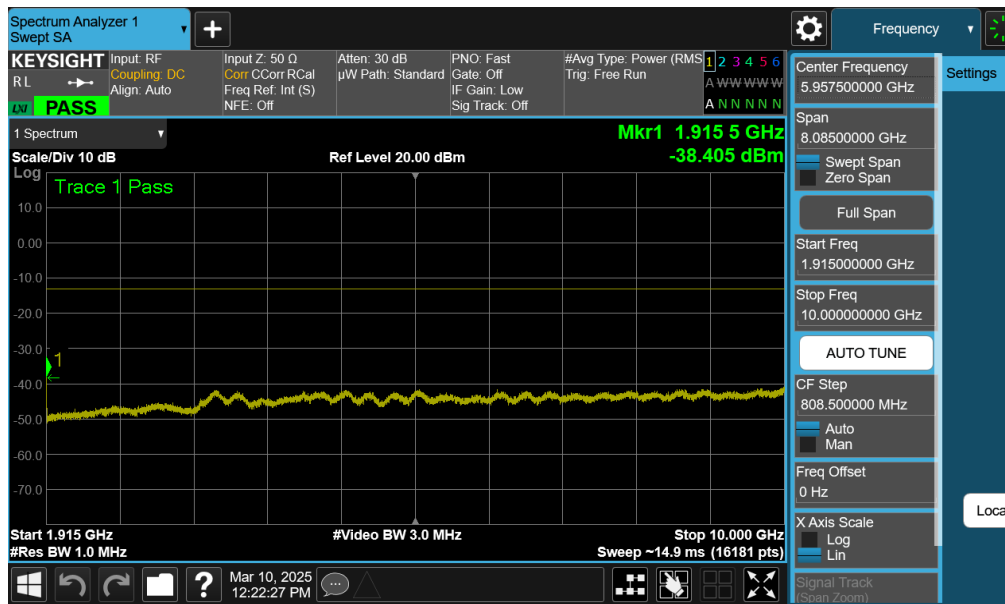


Plot 7-88. Conducted Spurious Plot (WCDMA Ch. 9400 - Ant1)

FCC ID: A3LSMF966B	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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