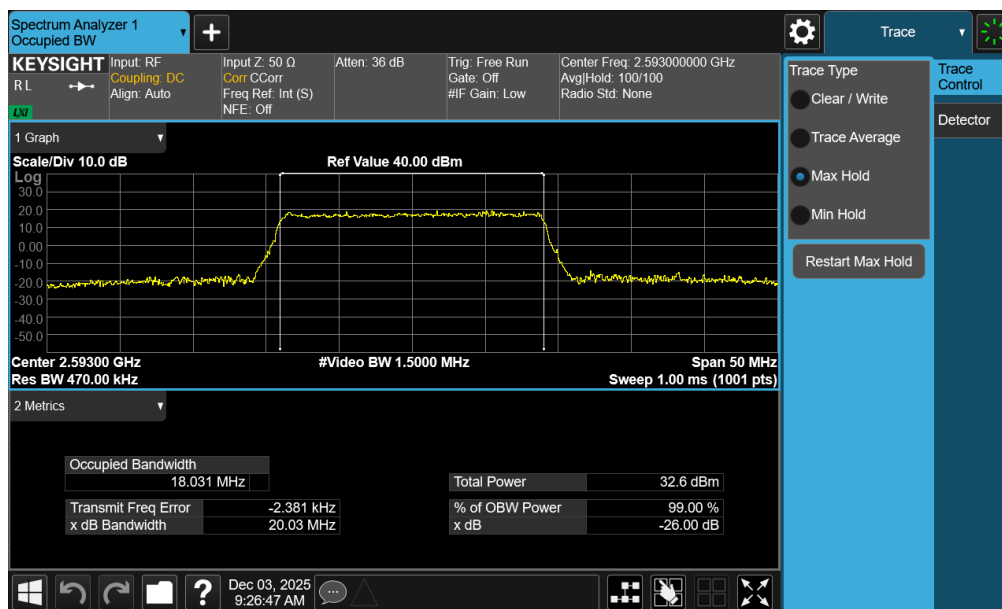
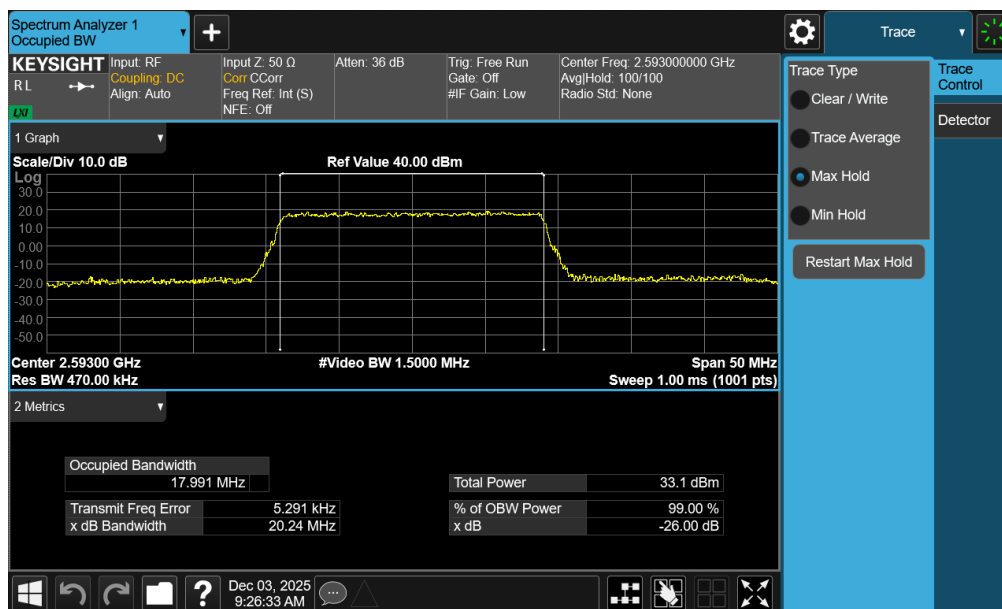
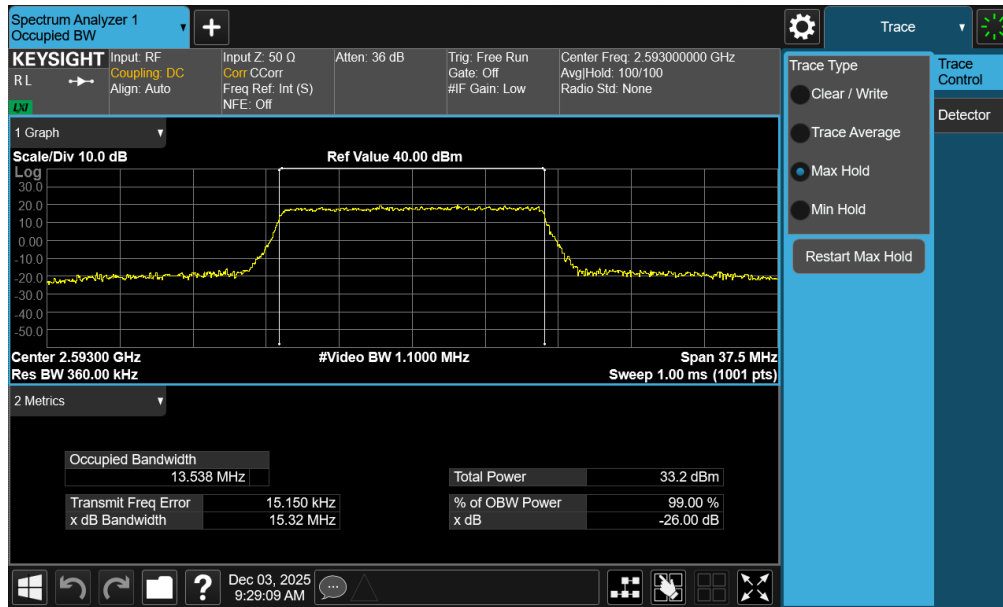


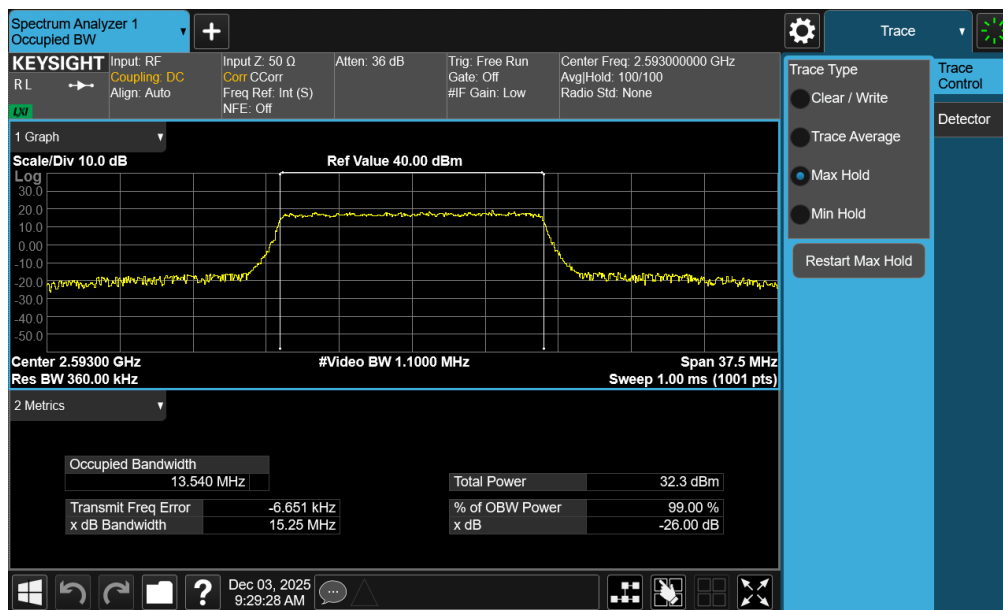
LTE Band 41/38(PC3) – Ant2



FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 63 of 204

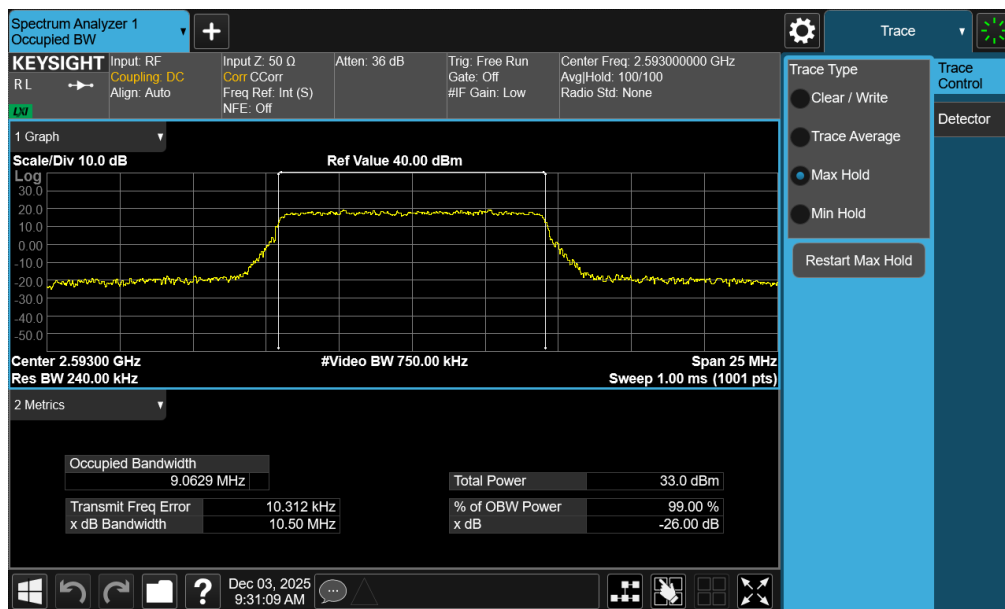


Plot 7-74. Occupied Bandwidth Plot (LTE Band 41/38(PC3)- 15MHz QPSK - Full RB - Ant2)

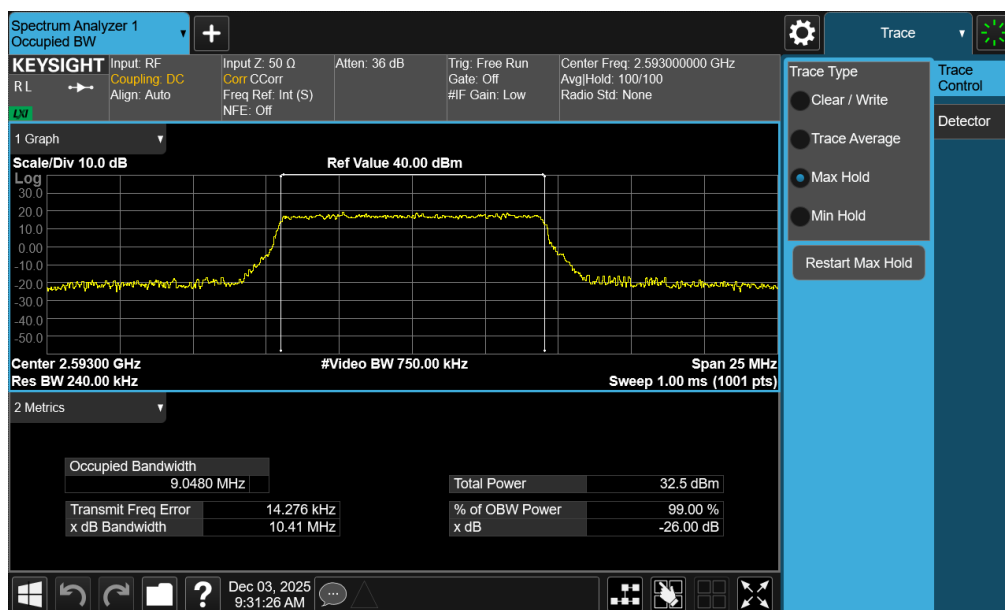


Plot 7-75. Occupied Bandwidth Plot (LTE Band 41/38(PC3)- 15MHz 16-QAM - Full RB - Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 64 of 204

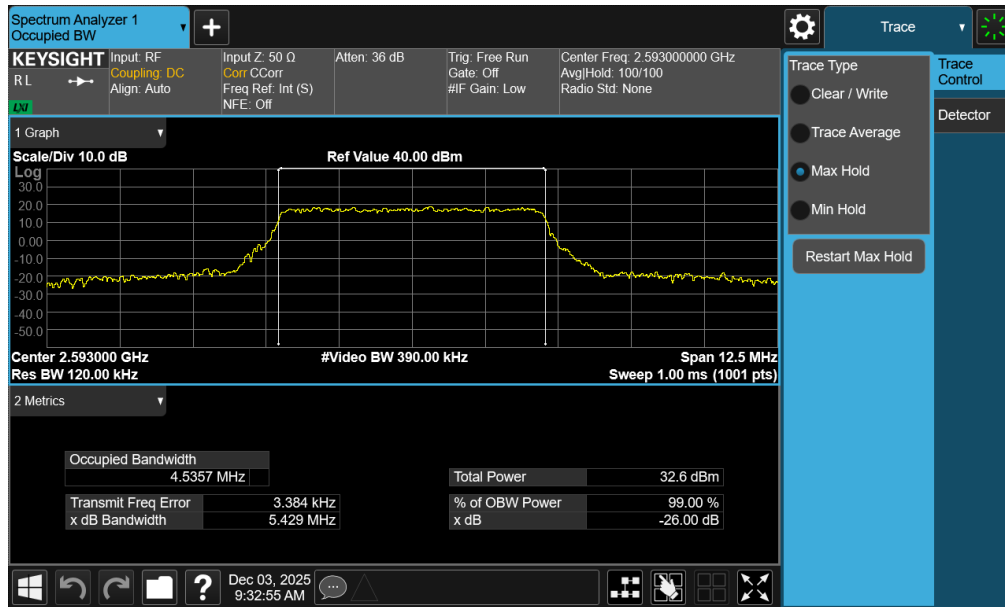


Plot 7-76. Occupied Bandwidth Plot (LTE Band 41/38(PC3)- 10MHz QPSK - Full RB - Ant2)

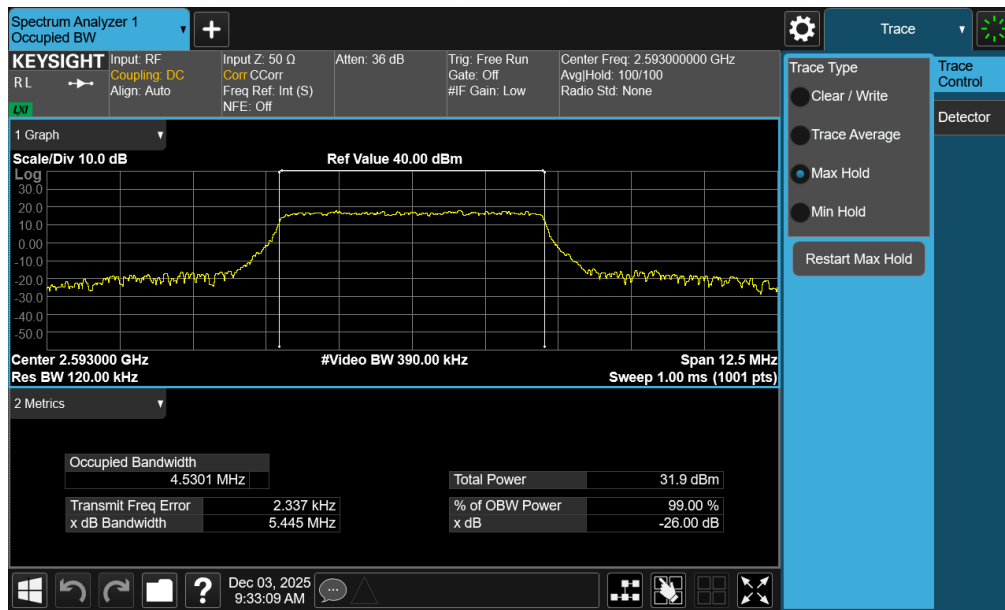


Plot 7-77. Occupied Bandwidth Plot (LTE Band 41/38(PC3)- 10MHz 16-QAM - Full RB - Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 65 of 204



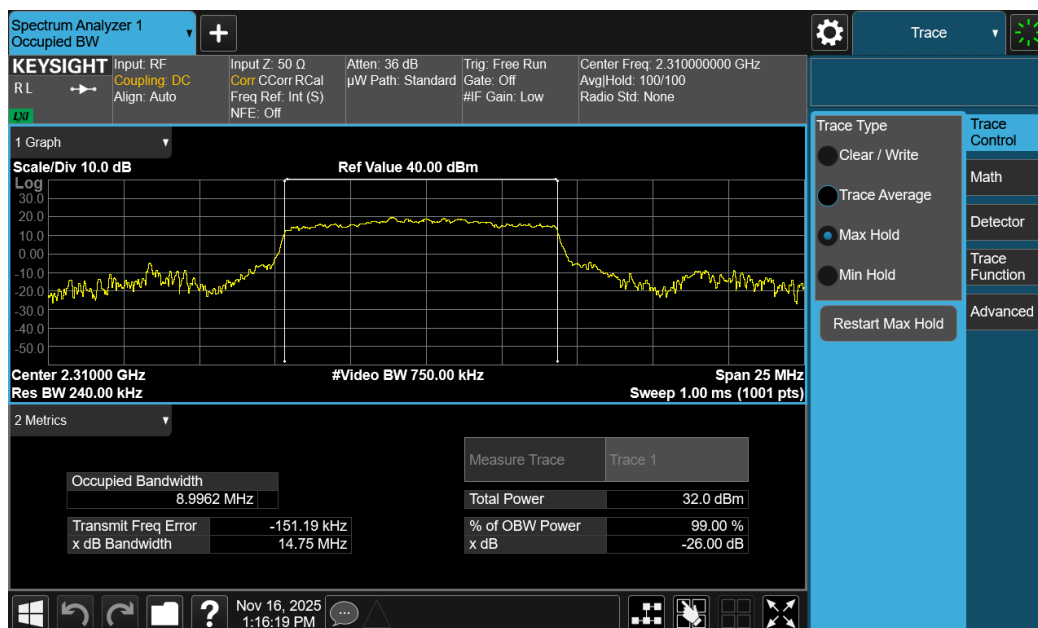
Plot 7-78. Occupied Bandwidth Plot (LTE Band 41/38(PC3)- 5MHz QPSK - Full RB - Ant2)



Plot 7-79. Occupied Bandwidth Plot (LTE Band 41/38(PC3)- 5MHz 16-QAM - Full RB - Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 66 of 204

NR Band n30 – Ant2



Plot 7-80. Occupied Bandwidth Plot (NR Band n30 - 10MHz $\pi/2$ BPSK - Full RB - Ant2)

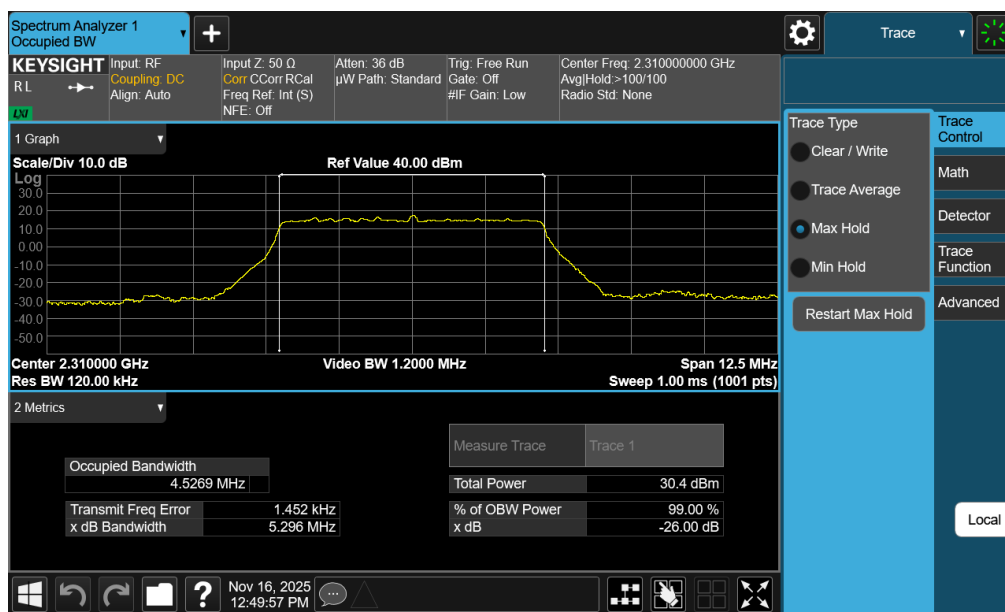


Plot 7-81. Occupied Bandwidth Plot (NR Band n30 - 10MHz QPSK - Full RB - Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 67 of 204

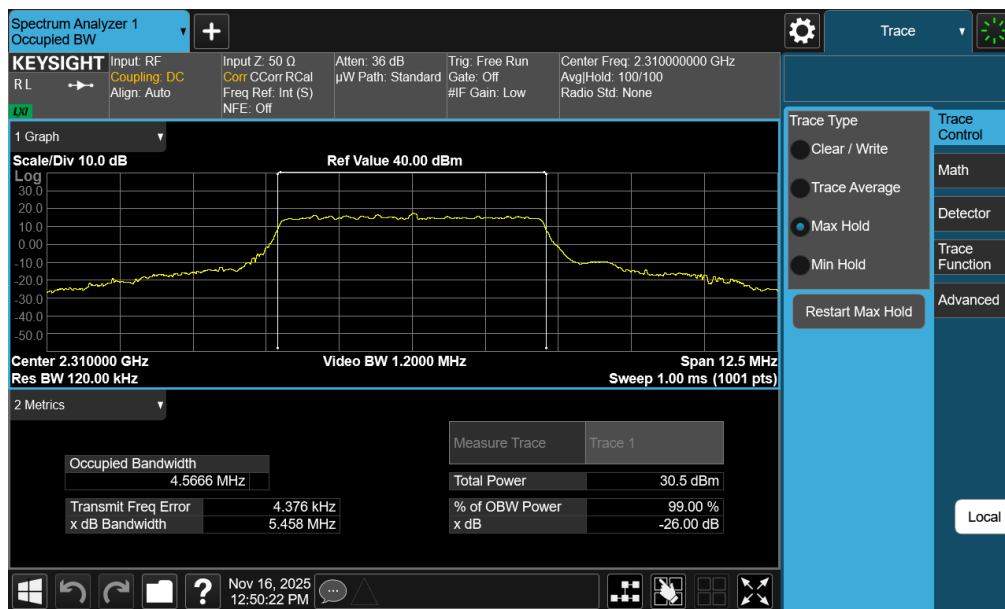


Plot 7-82. Occupied Bandwidth Plot (NR Band n30 - 10MHz 16-QAM - Full RB - Ant2)

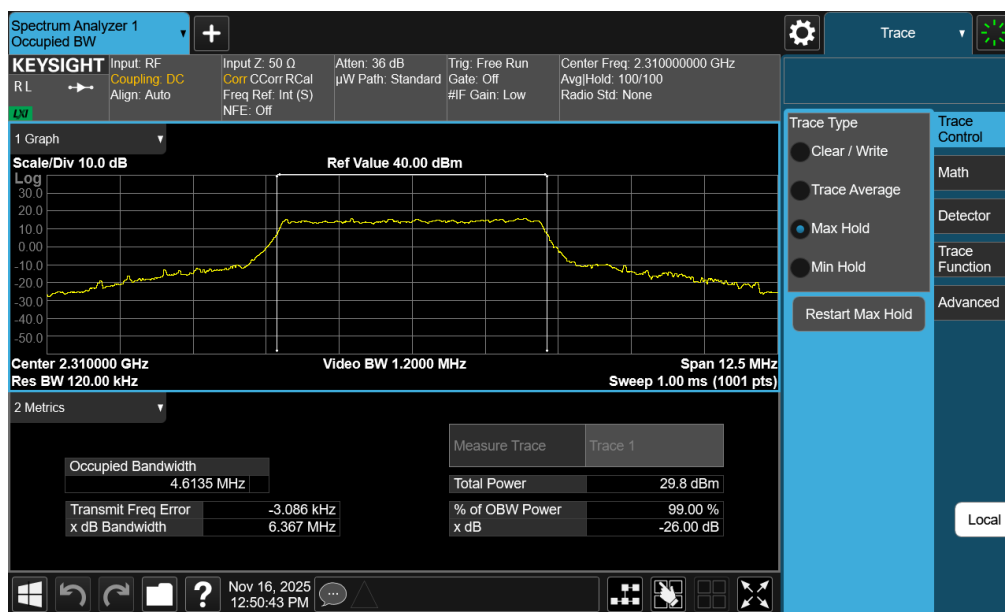


Plot 7-83. Occupied Bandwidth Plot (NR Band n30 - 5MHz $\pi/2$ BPSK - Full RB - Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 68 of 204



Plot 7-84. Occupied Bandwidth Plot (NR Band n30 - 5MHz QPSK - Full RB - Ant2)



Plot 7-85. Occupied Bandwidth Plot (NR Band n30 - 5MHz 16-QAM - Full RB - Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 69 of 204

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.

For Band 30, the minimum permissible attenuation level of any spurious emission <2288MHz and >2365MHz is $70 + 10 \log_{10}(P_{\text{Watts}})$.

For Band 7 and 41, the minimum permissible attenuation level of any spurious emission is $55 + 10 \log_{10}(P_{\text{Watts}})$.

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 10GHz (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.

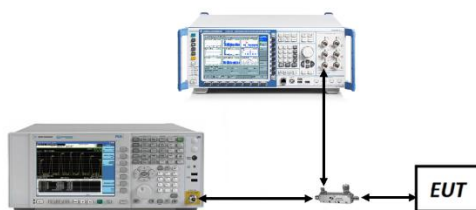


Figure 7-4. Test Instrument & Measurement Setup

Test Notes

1. Per Part 27, RSS-195 and RSS-199, 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.

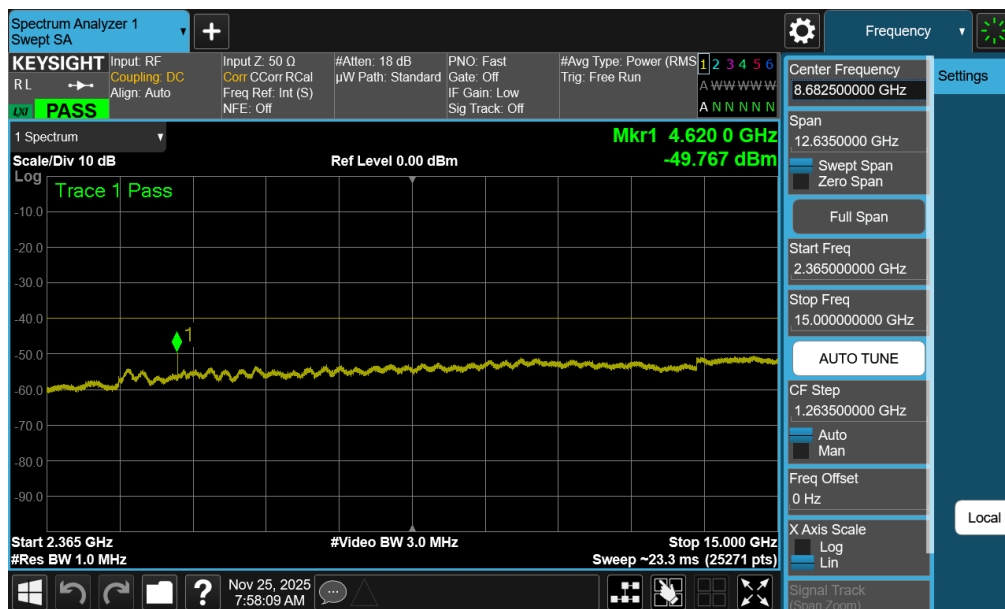
FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 70 of 204

Mode	Bandwidth	Channel	Range [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]
LTE-B30	10MHz	Mid	30.0 - 2288.0	-46.76	-40	-6.76
		Mid	2570.0 - 15000.0	-49.77	-40	-9.77
		Mid	15000.0 - 27000.0	-49.68	-40	-9.68
LTE-B7	20MHz	Low	30.0 - 2500.0	-50.92	-25	-25.92
		Low	2570.0 - 15000.0	-46.75	-25	-21.75
		Low	15000.0 - 27000.0	-52.63	-25	-27.63
		Mid	30.0 - 2500.0	-50.59	-25	-25.59
		Mid	2570.0 - 15000.0	-46.69	-25	-21.69
		Mid	15000.0 - 27000.0	-53.24	-25	-28.24
		High	30.0 - 2500.0	-51.13	-25	-26.13
		High	2570.0 - 15000.0	-46.76	-25	-21.76
		High	15000.0 - 27000.0	-52.99	-25	-27.99
LTE-B41PC3-38	20MHz	Low	30.0 - 2475.0	-42.99	-25	-17.99
		Low	2690.0 - 15000.0	-37.73	-25	-12.73
		Low	15000.0 - 27000.0	-45.5	-25	-20.50
		Mid	30.0 - 2500.0	-42.33	-25	-17.33
		Mid	2690.0 - 15000.0	-36.85	-25	-11.85
		Mid	15000.0 - 27000.0	-47.15	-25	-22.14
		High	30.0 - 2500.0	-42.28	-25	-17.28
		High	2690.0 - 15000.0	-36.69	-25	-11.69
		High	15000.0 - 27000.0	-46.29	-25	-21.29

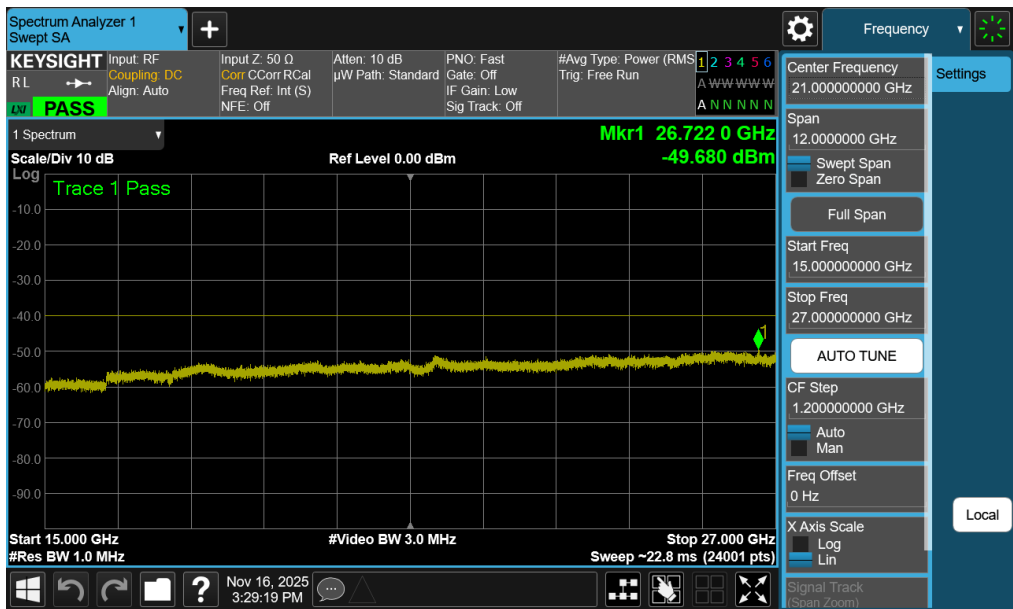
Table 7-11. Conducted Emission Test Results – LTE – Ant 1

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 71 of 204

LTE Band 30 – Ant1



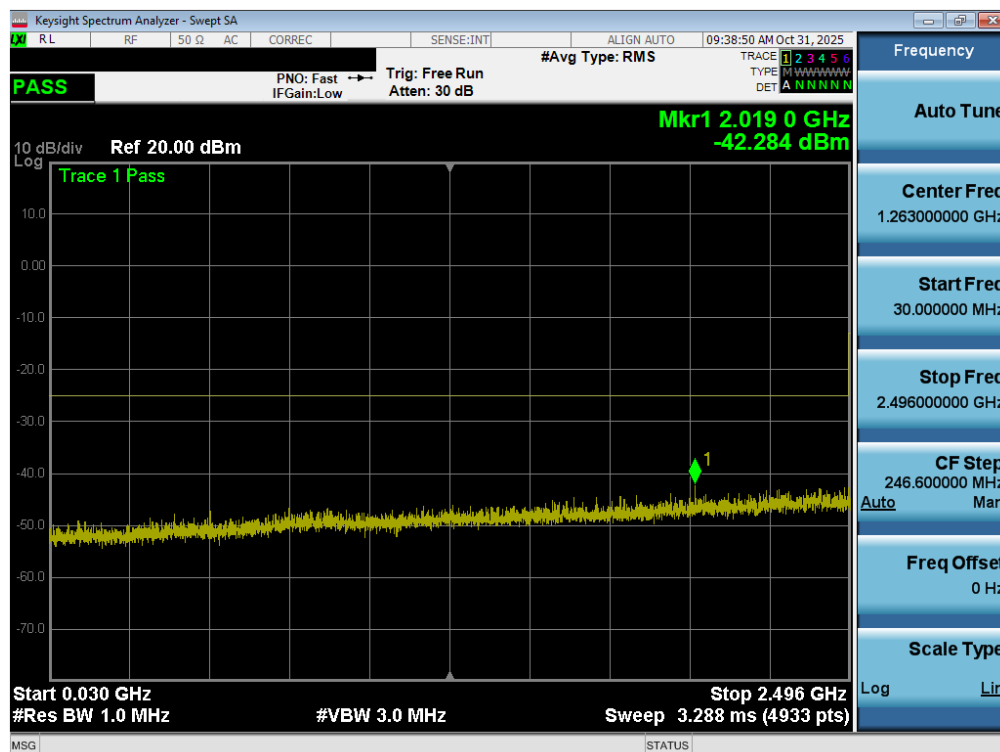
FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 72 of 204



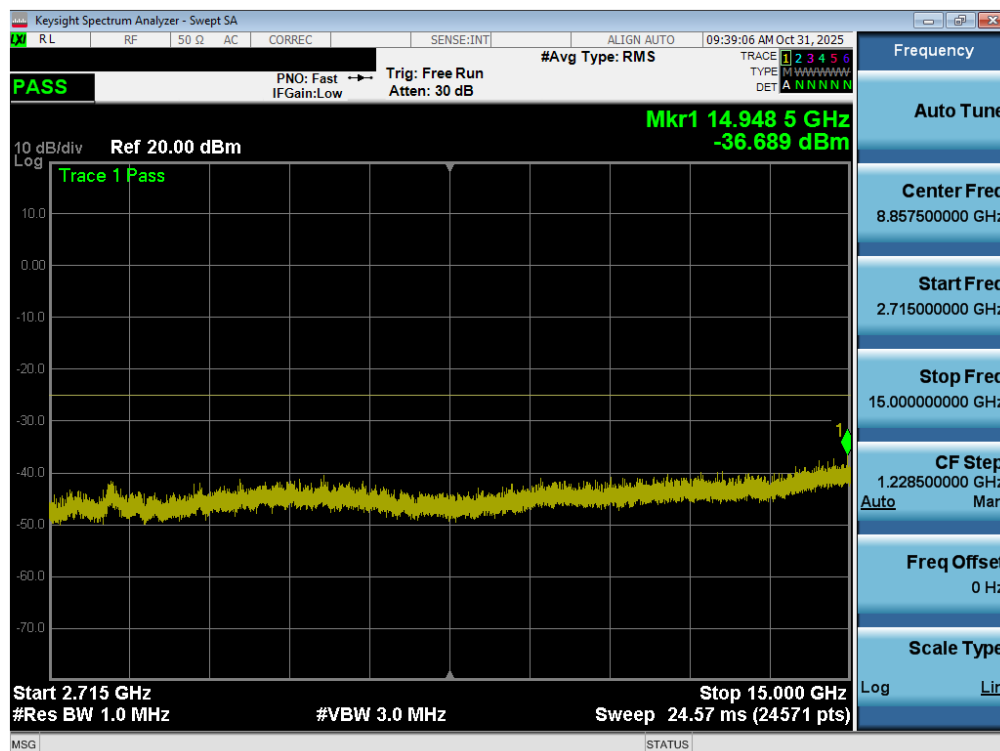
Plot 7-88. Conducted Spurious Plot (LTE Band 30 - 10MHz QPSK - RB Size 1, RB Offset 0 - Ant1)

FCC ID: A3LSMA576U IC: 649E-SMA576W		PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset		Page 73 of 204

LTE Band 41/38(PC3)– Ant1

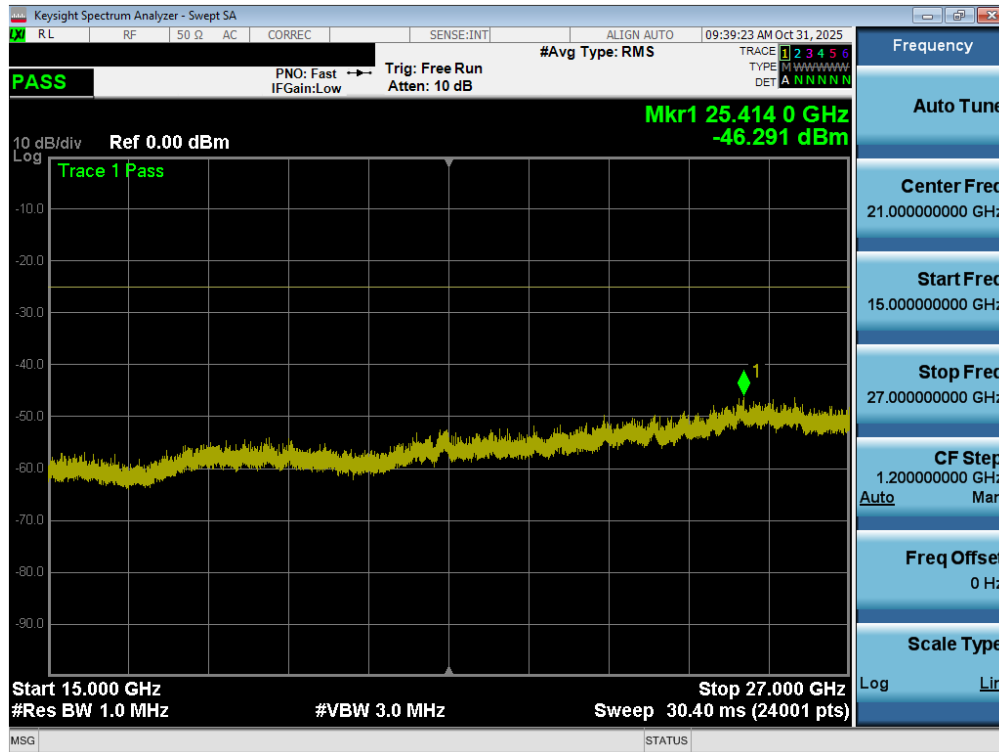


Plot 7-89. Conducted Spurious Plot (LTE Band 41/38(PC3)- 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel - Ant1)



Plot 7-90. Conducted Spurious Plot (LTE Band 41/38(PC3)- 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel - Ant1)

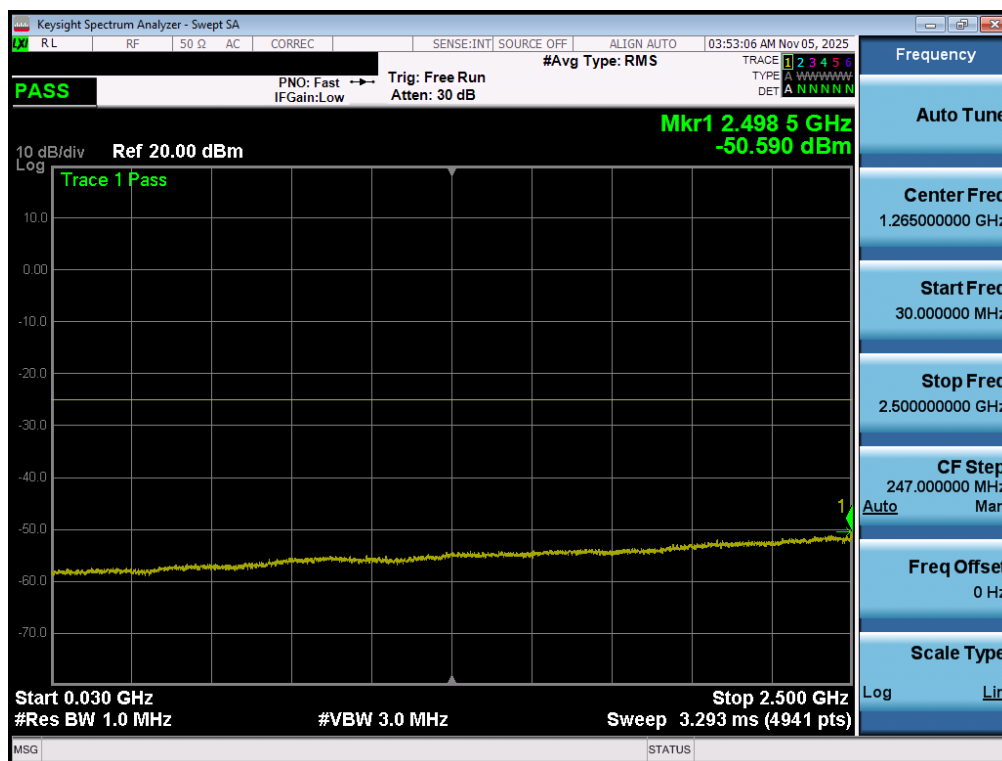
FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 74 of 204



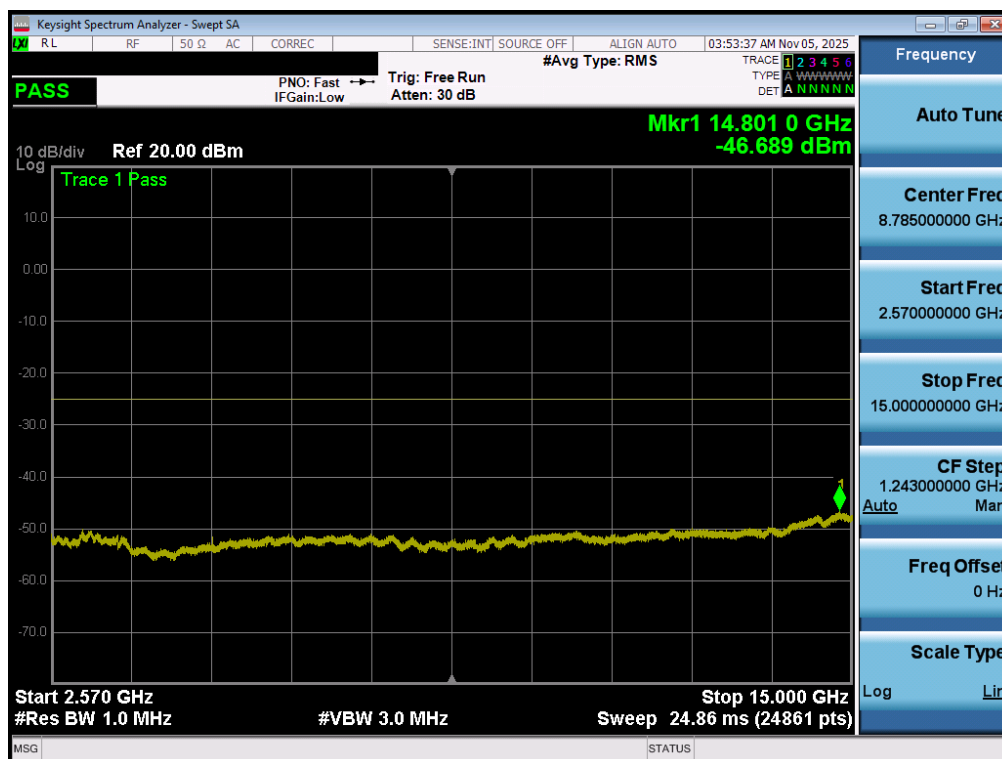
Plot 7-91. Conducted Spurious Plot (LTE Band 41/38(PC3)- 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel - Ant1)

FCC ID: A3LSMA576U IC: 649E-SMA576W		PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset		Page 75 of 204

LTE Band 7 – Ant1



Plot 7-92. Conducted Spurious Plot (LTE Band 7 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel - Ant1)



Plot 7-93. Conducted Spurious Plot (LTE Band 7 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel - Ant1)

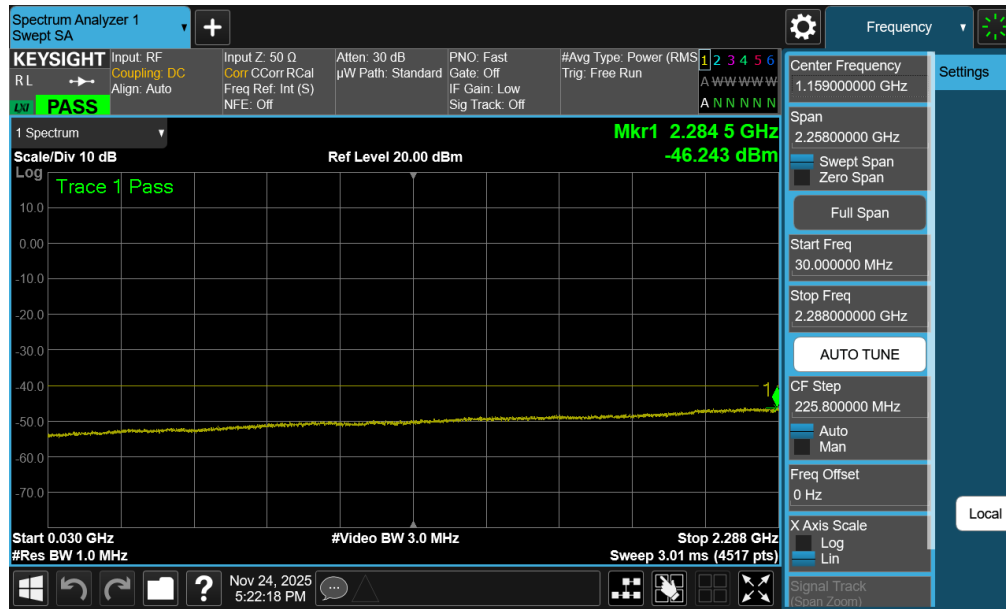
FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 76 of 204

Mode	Bandwidth	Channel	Range [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n30	10MHz	Mid	30.0 - 2288.0	-46.24	-40	-6.24
		Mid	2570.0 - 15000.0	-46.42	-40	-6.42
		Mid	15000.0 - 27000.0	-49.35	-40	-9.35
NR-n41PC2	100MHz	Low	30.0 - 2470.0	-43.02	-25	-18.02
		Low	2690.0 - 15000.0	-37.2	-25	-12.20
		Low	15000.0 - 27000.0	-52.1	-25	-27.10
		Mid	30.0 - 2470.0	-39.04	-25	-14.04
		Mid	2690.0 - 15000.0	-38.16	-25	-13.16
		Mid	15000.0 - 27000.0	-52.15	-25	-27.15
		High	30.0 - 2470.0	-42.19	-25	-17.19
		High	2690.0 - 15000.0	-37.86	-25	-12.86
		High	15000.0 - 27000.0	-51.52	-25	-26.52

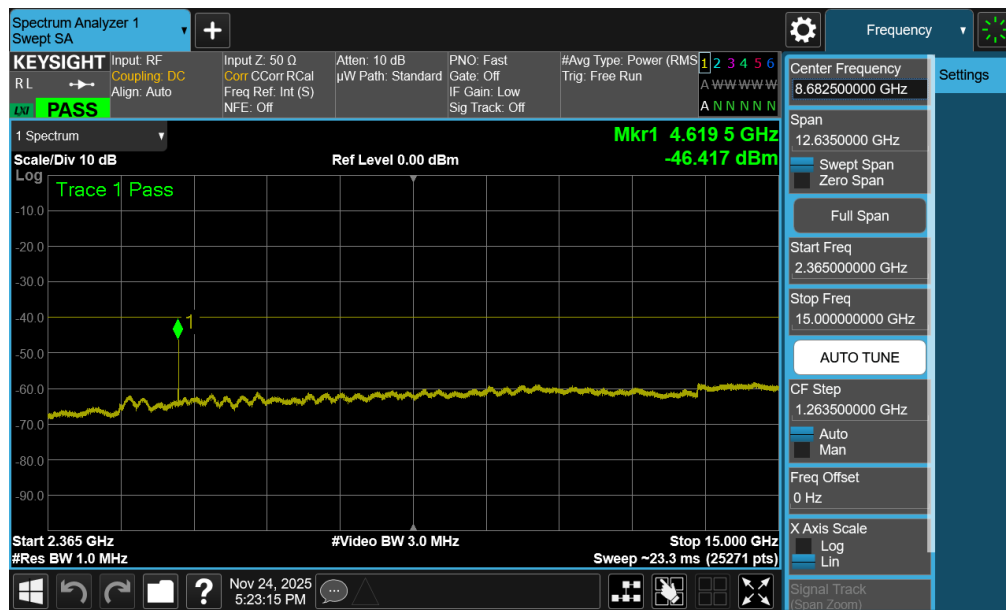
Table 7-12. Conducted Emission Test Results – NR – Ant 1

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 78 of 204

NR Band n30 – Ant1

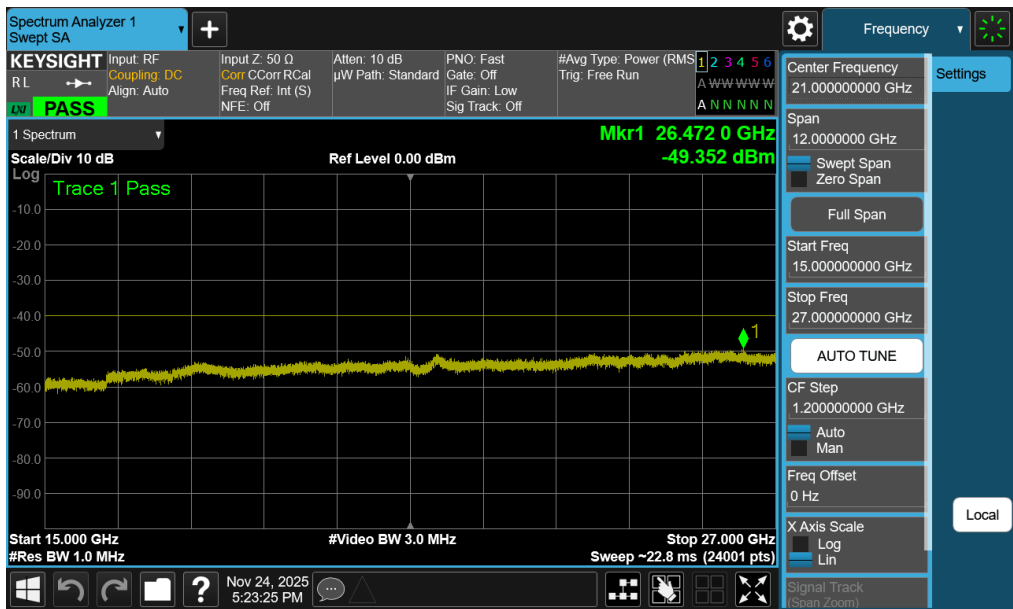


Plot 7-95. Conducted Spurious Plot (NR Band n30 - 10MHz QPSK - RB Size 1, RB Offset 0 – Ant1)



Plot 7-96. Conducted Spurious Plot (NR Band n30 - 10MHz QPSK - RB Size 1, RB Offset 0 – Ant1)

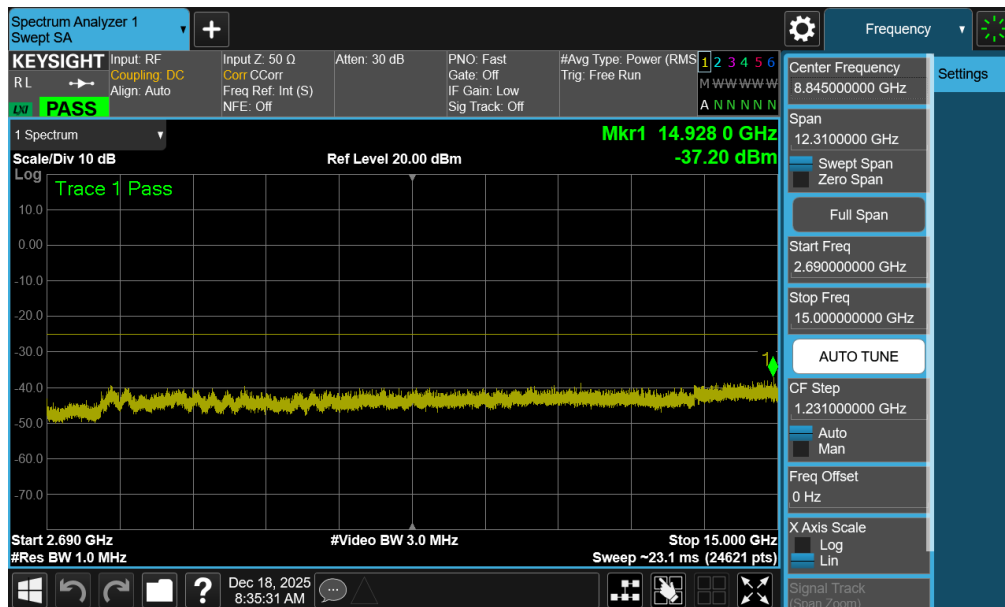
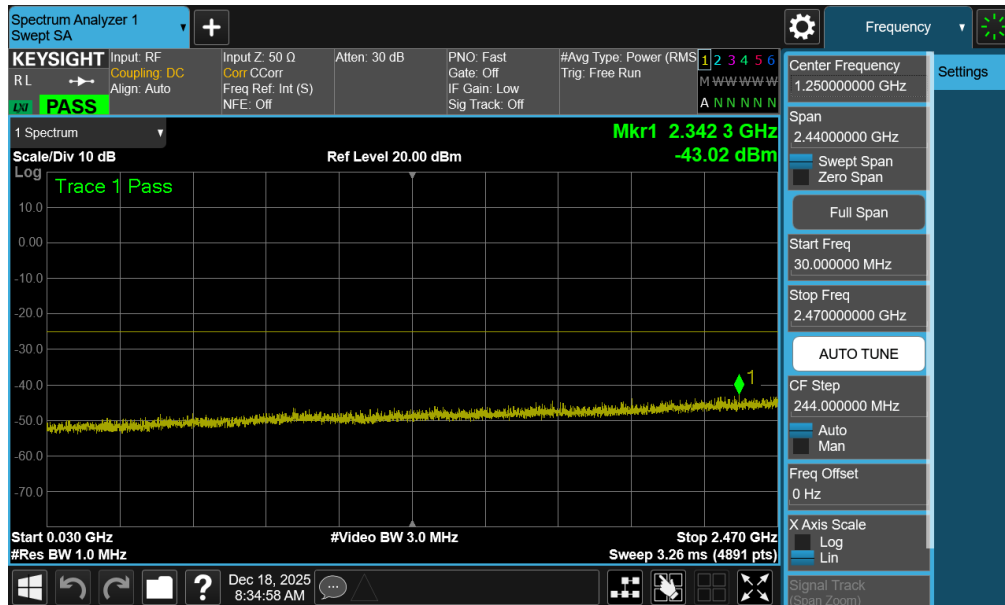
FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 79 of 204



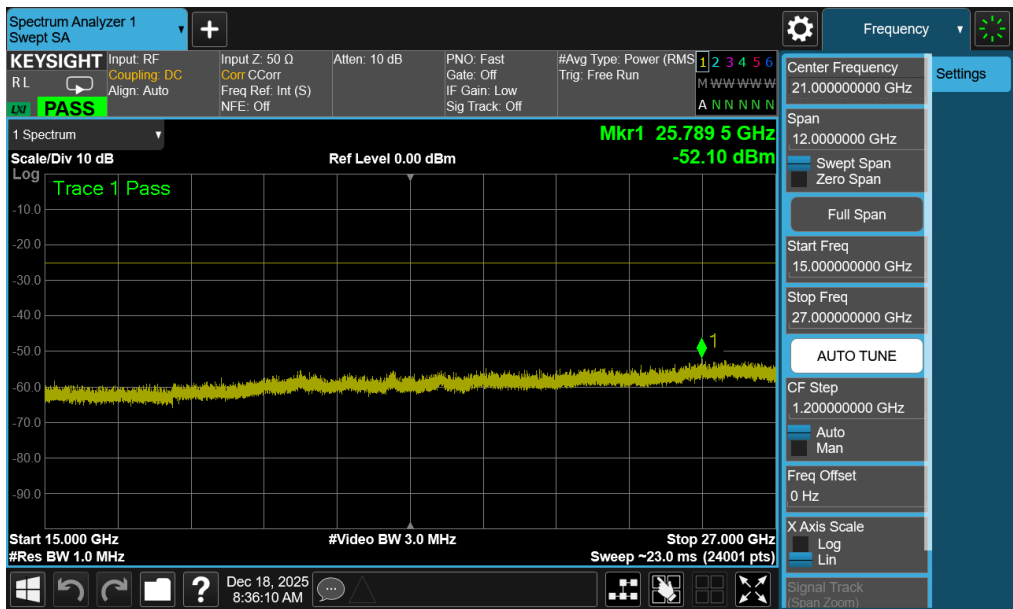
Plot 7-97. Conducted Spurious Plot (NR Band n30 - 10MHz QPSK - RB Size 1, RB Offset 0 – Ant1)

FCC ID: A3LSMA576U IC: 649E-SMA576W		PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 80 of 204	

NR Band n41 – Main – Ant1



FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 81 of 204



Plot 7-100. Conducted Spurious Plot (NR Band n41PC2 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel Ant1)

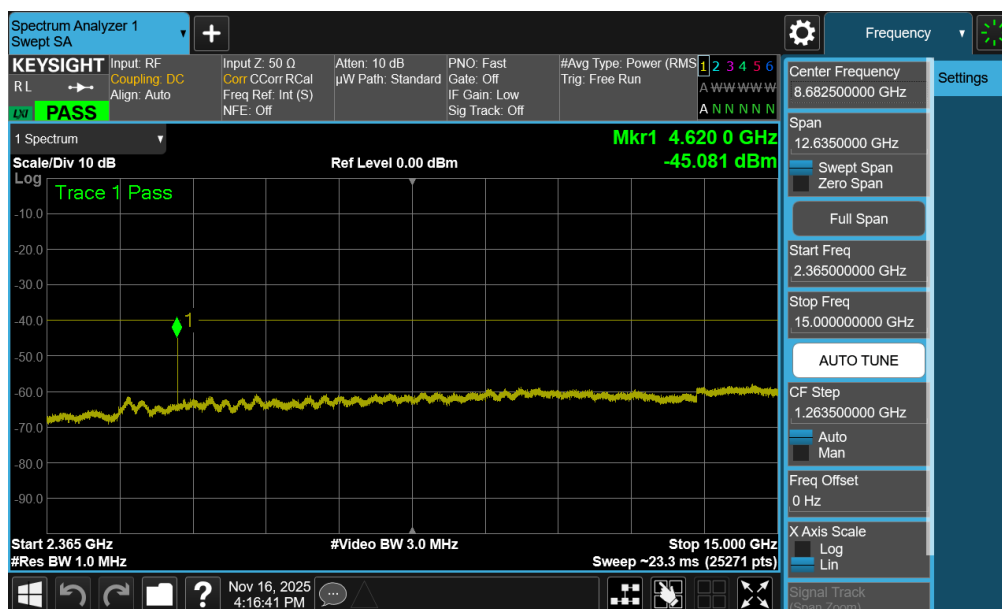
FCC ID: A3LSMA576U IC: 649E-SMA576W		PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset		Page 82 of 204

Mode	Bandwidth	Channel	Range [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]
LTE-B30	10MHz	Mid	30.0 - 2288.0	-46.49	-40	-6.49
		Mid	2570.0 - 15000.0	-45.08	-40	-5.08
		Mid	15000.0 - 27000.0	-49.76	-40	-9.76
LTE-B7	20MHz	Low	30.0 - 2500.0	-51.78	-25	-26.78
		Low	2570.0 - 15000.0	-44.38	-25	-19.38
		Low	15000.0 - 27000.0	-57.25	-25	-32.25
		Mid	30.0 - 2500.0	-50.92	-25	-25.92
		Mid	2570.0 - 15000.0	-44.66	-25	-19.66
		Mid	15000.0 - 27000.0	-57.23	-25	-32.23
		High	30.0 - 2500.0	-50.74	-25	-25.74
		High	2570.0 - 15000.0	-44.39	-25	-19.39
		High	15000.0 - 27000.0	-57.1	-25	-32.10
LTE-B41PC3-38	20MHz	Low	30.0 - 2475.0	-41.34	-25	-16.34
		Low	2690.0 - 15000.0	-36.59	-25	-11.59
		Low	15000.0 - 27000.0	-52.36	-25	-27.36
		Mid	30.0 - 2500.0	-41.06	-25	-16.06
		Mid	2690.0 - 15000.0	-36.05	-25	-11.05
		Mid	15000.0 - 27000.0	-51.46	-25	-26.46
		High	30.0 - 2500.0	-40.73	-25	-15.73
		High	2690.0 - 15000.0	-35.99	-25	-10.99
		High	15000.0 - 27000.0	-52.49	-25	-27.49

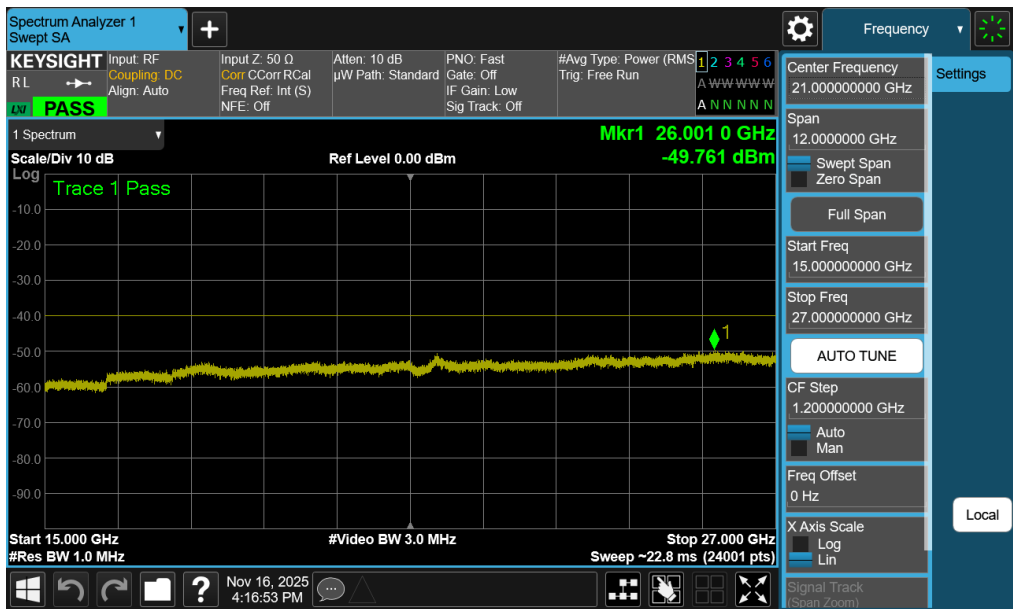
Table 7-13. Conducted Emission Test Results – LTE – Ant 2

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 83 of 204

LTE Band 30 – Ant2



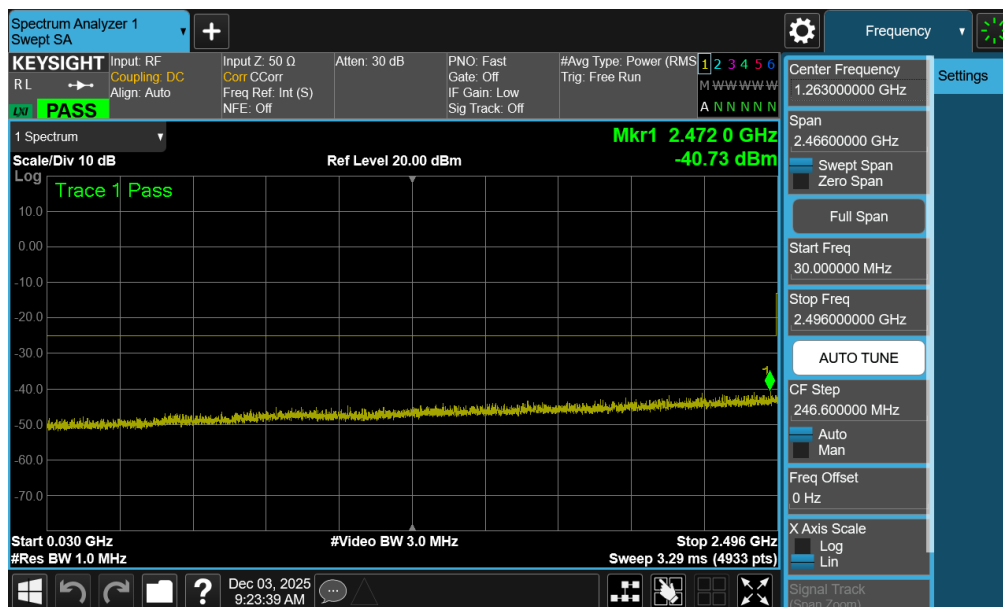
FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 84 of 204



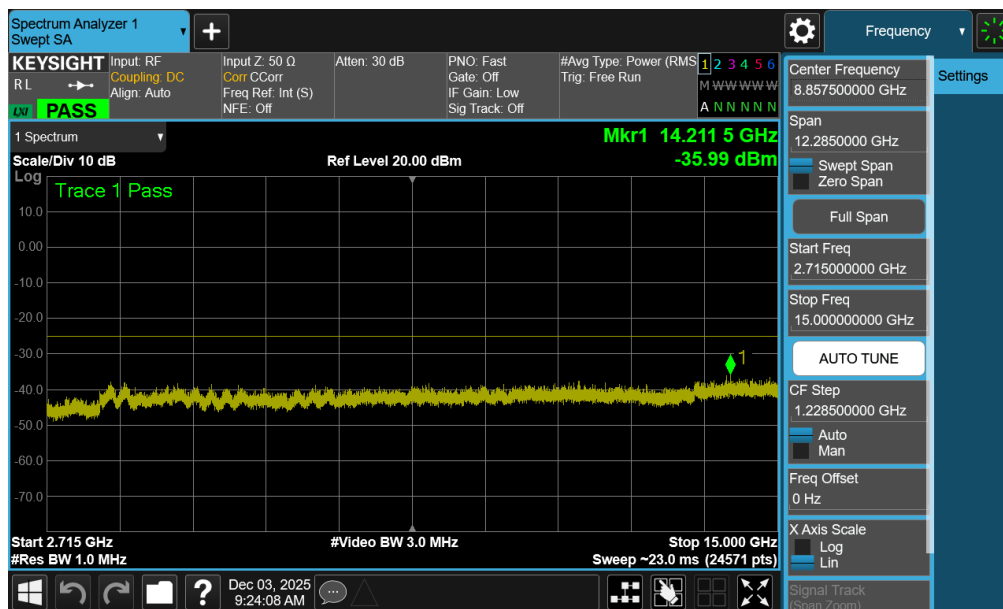
Plot 7-103. Conducted Spurious Plot (LTE Band 30 - 10MHz QPSK - RB Size 1, RB Offset 0 - Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W		PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 85 of 204	

LTE Band 41/38(PC3)– Ant2

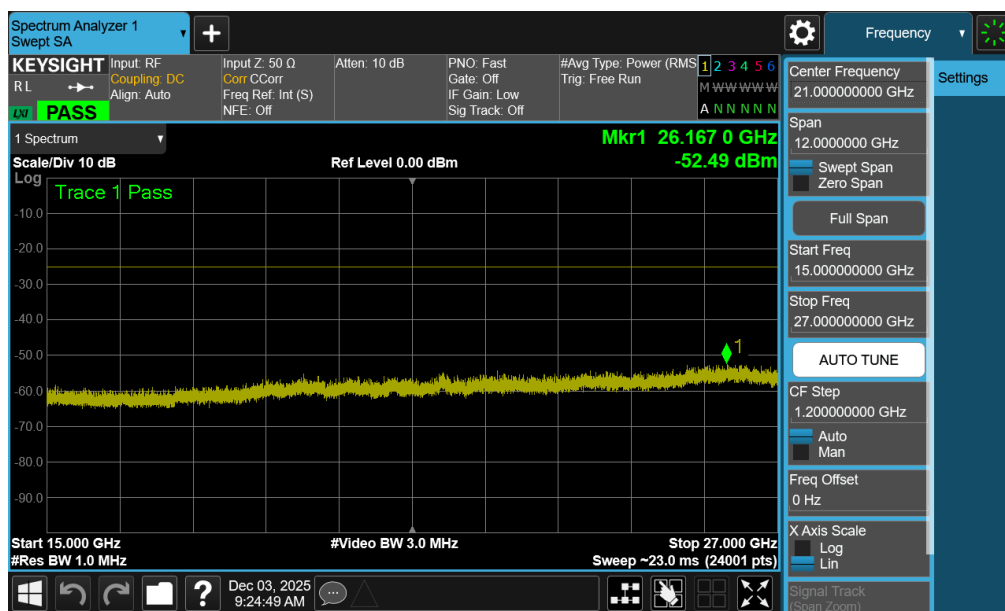


Plot 7-104. Conducted Spurious Plot (LTE Band 41/38(PC3)- 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel - Ant2)



Plot 7-105. Conducted Spurious Plot (LTE Band 41/38(PC3)- 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel - Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 86 of 204



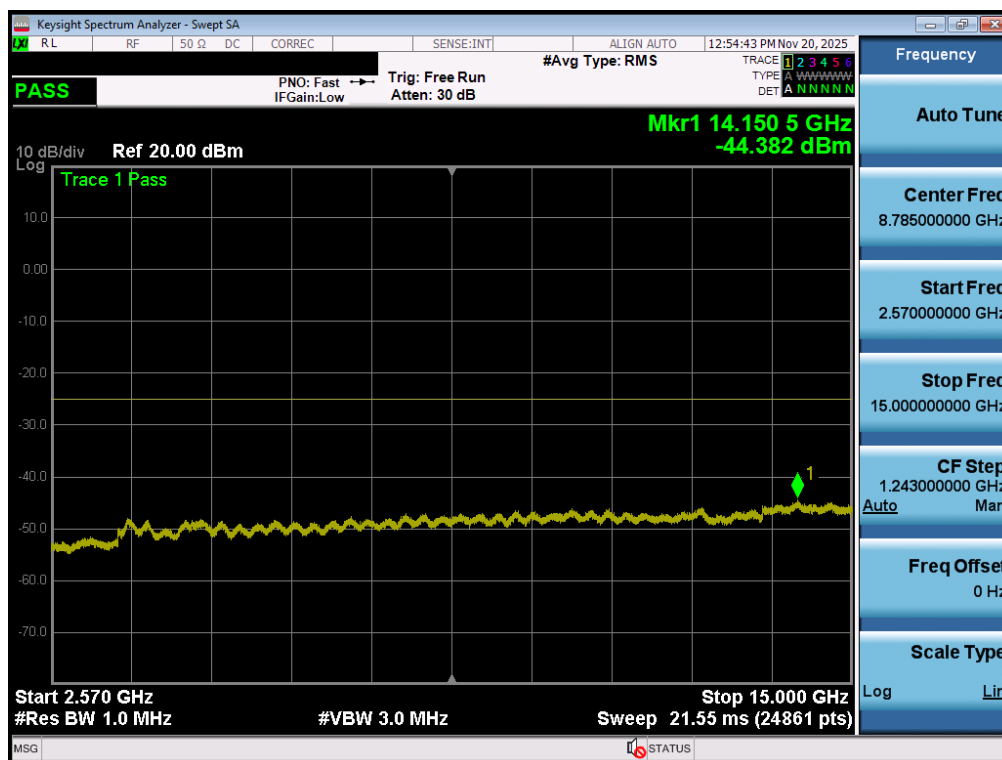
Plot 7-106. Conducted Spurious Plot (LTE Band 41/38(PC3)- 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel - Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 87 of 204

LTE Band 7 – Ant2



Plot 7-107. Conducted Spurious Plot (LTE Band 7 - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel - Ant2)



Plot 7-108. Conducted Spurious Plot (LTE Band 7 - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel - Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 88 of 204



Plot 7-109. Conducted Spurious Plot (LTE Band 7 - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel - Ant2)

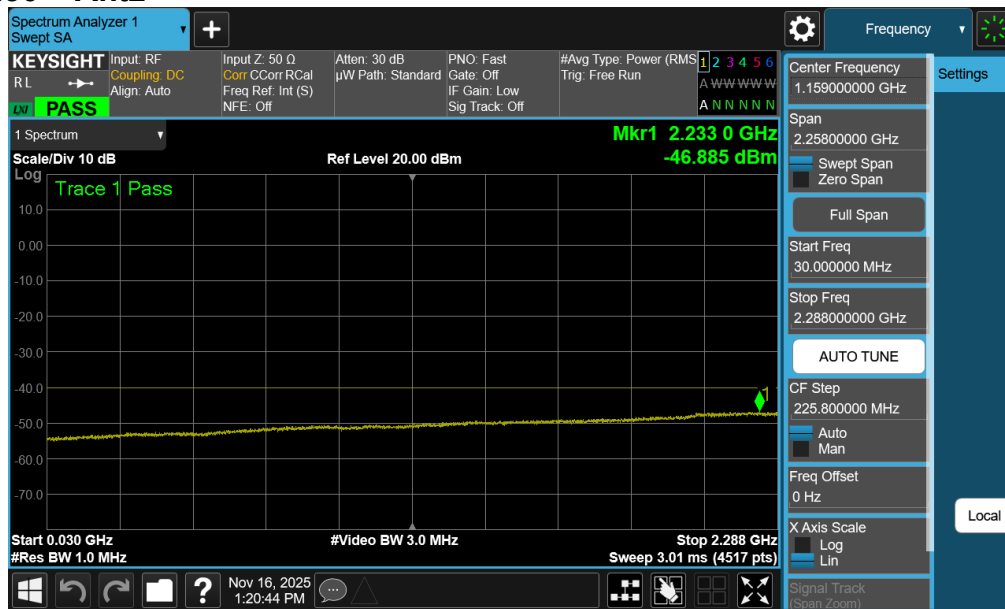
FCC ID: A3LSMA576U IC: 649E-SMA576W		PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset		Page 89 of 204

Mode	Bandwidth	Channel	Range [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n30	10MHz	Mid	30.0 - 2288.0	-46.89	-40	-6.89
		Mid	2570.0 - 15000.0	-46.03	-40	-6.03
		Mid	15000.0 - 27000.0	-49.98	-40	-9.98

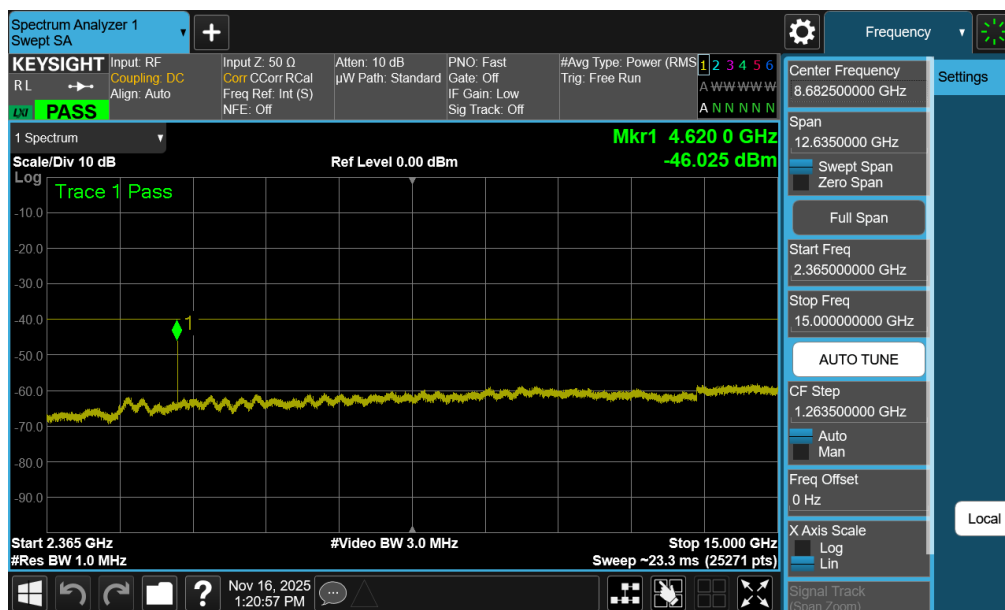
Table 7-14. Conducted Emission Test Results – NR – Ant 2

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 90 of 204

NR Band n30 – Ant2

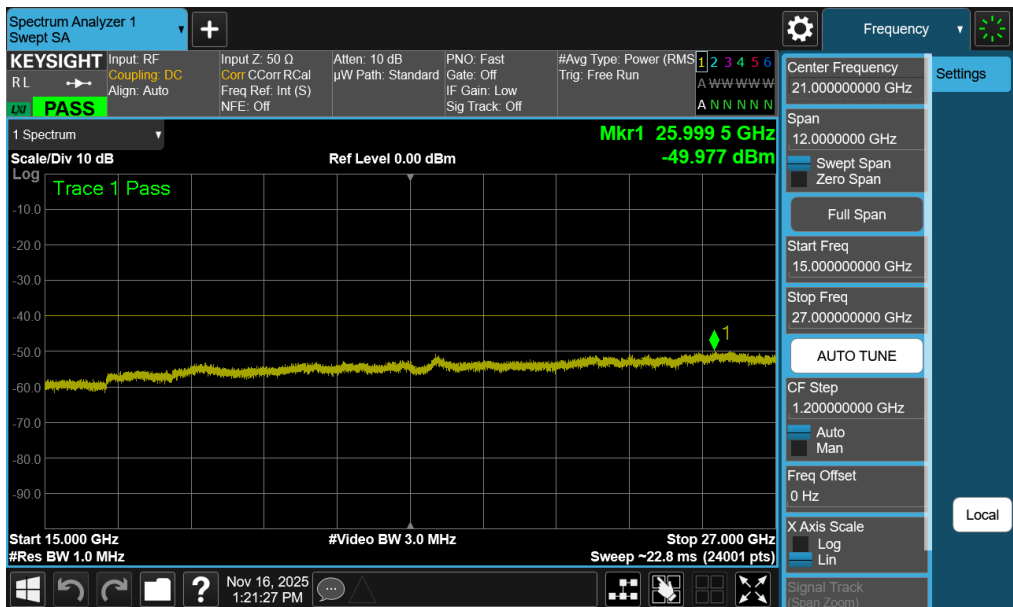


Plot 7-110. Conducted Spurious Plot (NR Band n30 - 10MHz QPSK - RB Size 1, RB Offset 0 – Ant2)



Plot 7-111. Conducted Spurious Plot (NR Band n30 - 10MHz QPSK - RB Size 1, RB Offset 0 – Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 91 of 204



Plot 7-112. Conducted Spurious Plot (NR Band n30 - 10MHz QPSK - RB Size 1, RB Offset 0 – Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W		PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset		Page 92 of 204

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 for Band 30 is $> 43 + 10 \log_{10} (P[\text{Watts}]$ at 2300-2305MHz & 2345-2360MHz, $> 55 + 10 \log_{10} (P[\text{Watts}]$ at 2320-2324MHz & 2341-2345MHz, $> 61 + 10 \log_{10} (P[\text{Watts}]$ at 2324-2328MHz & 2337-2341MHz, $> 67 + 10 \log_{10} (P[\text{Watts}]$ at 2288-2292MHz & 2328-2337MHz, and $> 70 + 10 \log_{10} (P[\text{Watts}]$ at frequencies $< 2288\text{MHz}$ & $> 2365\text{MHz}$.

The minimum permissible attenuation level for Band 7 and 41 is as noted in the Test Notes on the following page.

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 $\geq 3 \times$ RBW
5. Detector = RMS
6. Number of sweep points $\geq 2 \times$ 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.

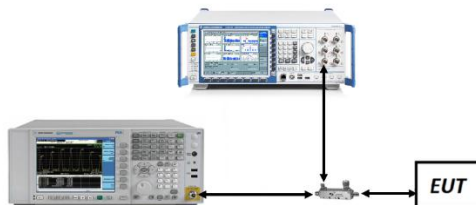


Figure 7-5. Test Instrument & Measurement Setup

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 93 of 204

Test Notes

1. Per 27.53(a)(5) in the 1 MHz bands immediately outside and adjacent to the channel blocks at 2305, 2310, 2315, 2320, 2345, 2350, 2355, and 2360 MHz, a resolution bandwidth of at least 1 percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e., 1 MHz). 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 emissions are attenuated at least 26 dB below the transmitter power.
2. Per 27.53(m) for operations in the BRS/EBS bands, the attenuation factor shall be not less than $40 + 10 \log(P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log(P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log(P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth. In addition, the attenuation factor shall not be less than $43 + 10 \log(P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log(P)$ dB at or below 2490.5 MHz.
3. 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.

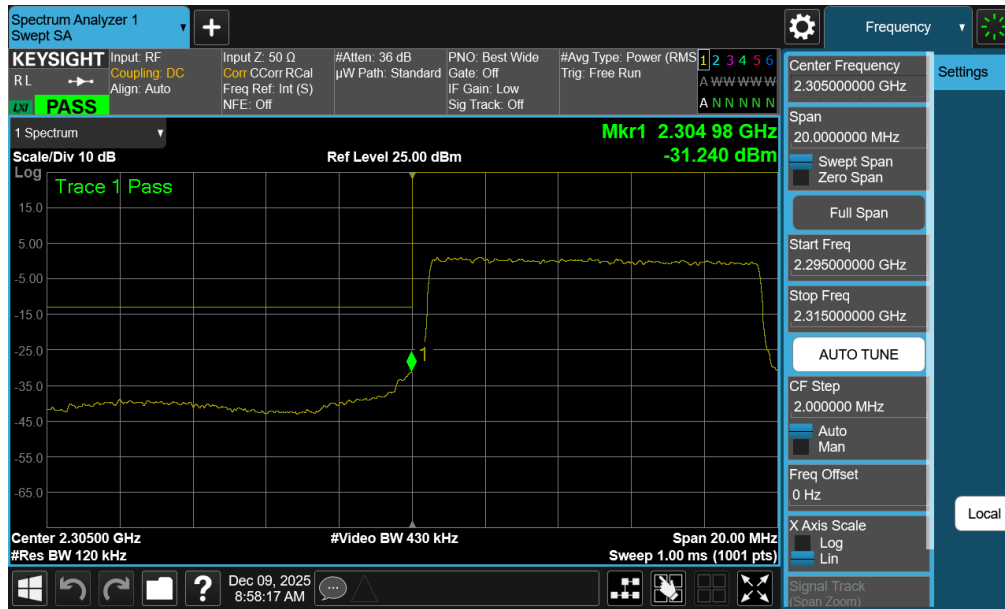
FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 94 of 204

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
LTE-B30	10MHz	Low	Band Edge	-31.24	-13	-18.24
		Low ISSED	Band Edge	-26.03	-13	-13.03
		Low	Extended	-32.05	-30	-2.05
		High	Band Edge	-32.38	-13	-19.38
		High ISSED	Band Edge	-25.14	-13	-12.14
		High	Extended	-32.63	-30	-2.63
	5MHz	Low	Band Edge	-23.64	-13	-10.64
		Low ISSED	Band Edge	-17.27	-13	-4.27
		High	Extended	-21.17	-13	-8.17
		High	Band Edge	-24.31	-13	-11.31
		High ISSED	Band Edge	-18.98	-13	-5.98
		High	Extended	-41.62	-37	-4.62
LTE-B7	20MHz	Low	Band Edge	-30.80	-25	-5.80
		High	Band Edge	-24.26	-13	-11.26
	15MHz	Low	Band Edge	-31.63	-25	-6.63
		High	Band Edge	-21.08	-10	-11.08
	10MHz	Low	Band Edge	-20.89	-10	-10.89
		High	Band Edge	-18.88	-10	-8.88
	5MHz	Low	Band Edge	-20.35	-10	-10.35
		High	Band Edge	-19.14	-10	-9.14
LTE-B41PC3	20MHz	Low	Band Edge	-37.89	-25	-12.89
		Low ISSED	Band Edge	-39.52	-25	-14.52
		High	Band Edge	-34.61	-13	-21.61
	15MHz	Low	Band Edge	-37.93	-25	-12.93
		Low ISSED	Band Edge	-40.97	-25	-15.97
		High	Band Edge	-33.84	-13	-20.84
	10MHz	Low	Band Edge	-36.61	-25	-11.61
		Low ISSED	Band Edge	-43.37	-25	-18.37
		High	Band Edge	-43.85	-25	-18.85
	5MHz	Low	Band Edge	-41.50	-25	-16.50
		Low ISSED	Band Edge	-28.19	-10	-18.19
		High	Band Edge	-27.58	-10	-17.58
LTE-B38	20MHz	Low	Band Edge	-44.99	-25	-19.99
		High	Band Edge	-33.94	-13	-20.94
	15MHz	Low	Band Edge	-42.87	-25	-17.87
		High	Band Edge	-44.94	-25	-19.94
	10MHz	Low	Band Edge	-42.99	-25	-17.99
		High	Band Edge	-43.47	-25	-18.47
	5MHz	Low	Band Edge	-40.17	-25	-15.17
		High	Band Edge	-27.33	-10	-17.33

Table 7-15. Conducted Band Edge Test Results – LTE – Ant 1

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 95 of 204

LTE Band 30 – Ant1

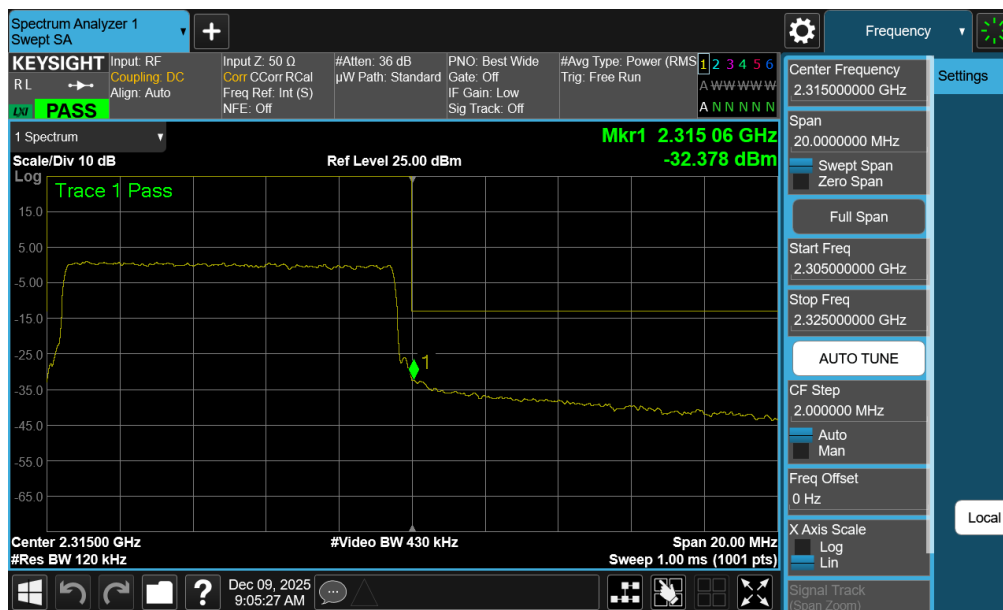
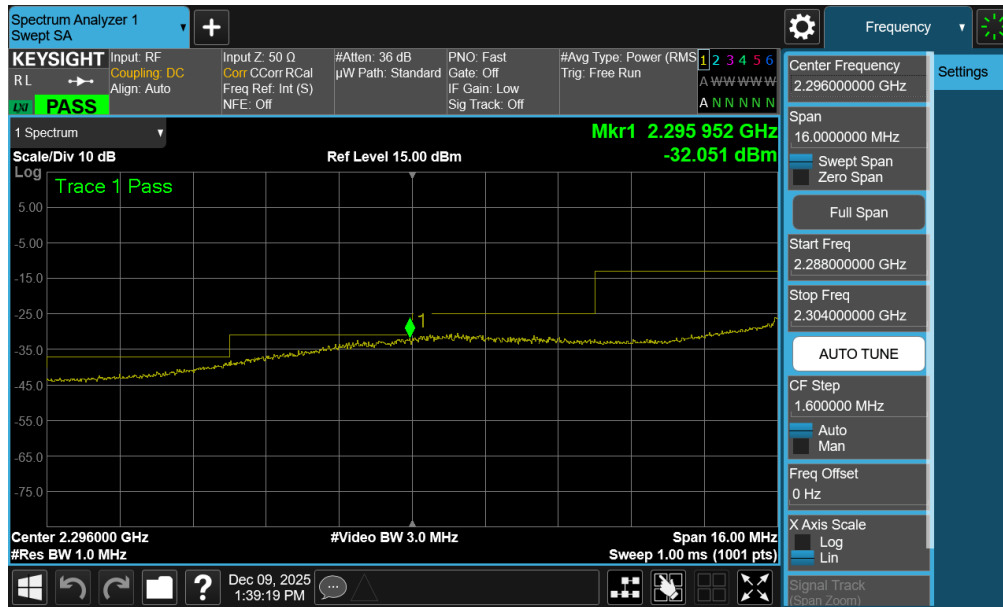


Plot 7-113. Lower Band Edge Plot (LTE Band 30 - 10MHz QPSK – Full RB - Ant1)

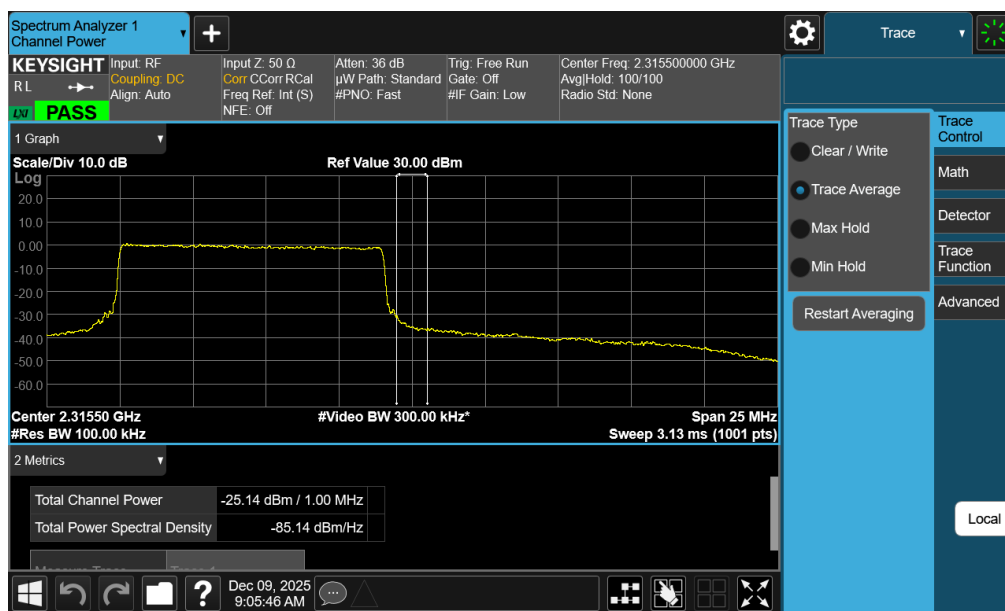


Plot 7-114. Lower Band Edge Plot (LTE Band 30 - 10MHz QPSK – Full RB - Ant1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 96 of 204

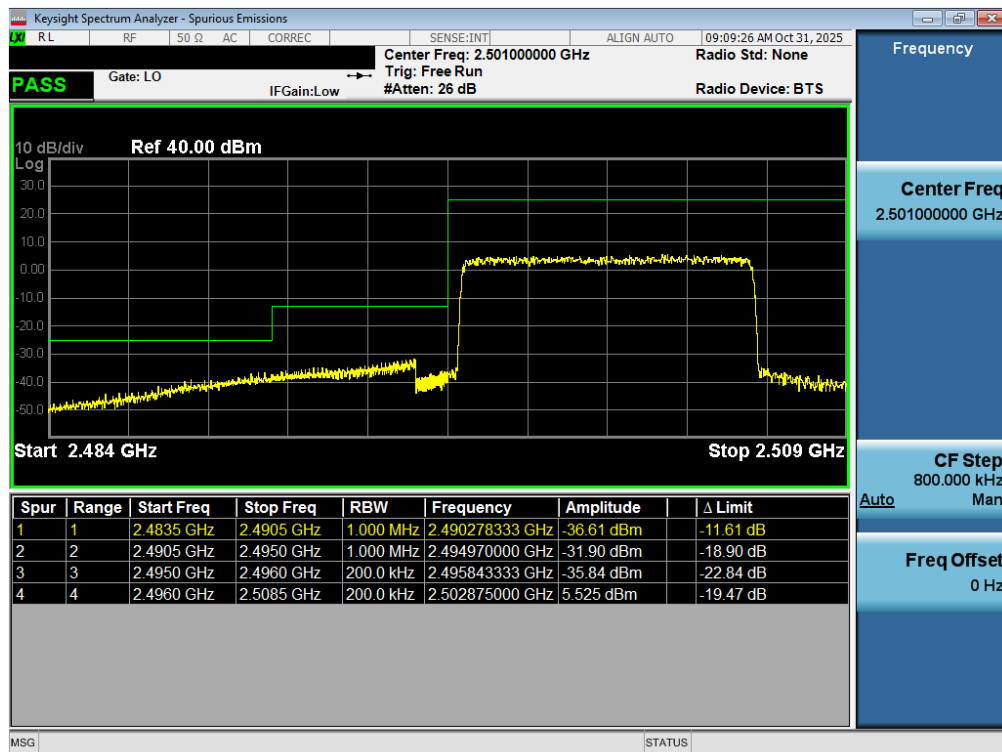


FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 97 of 204

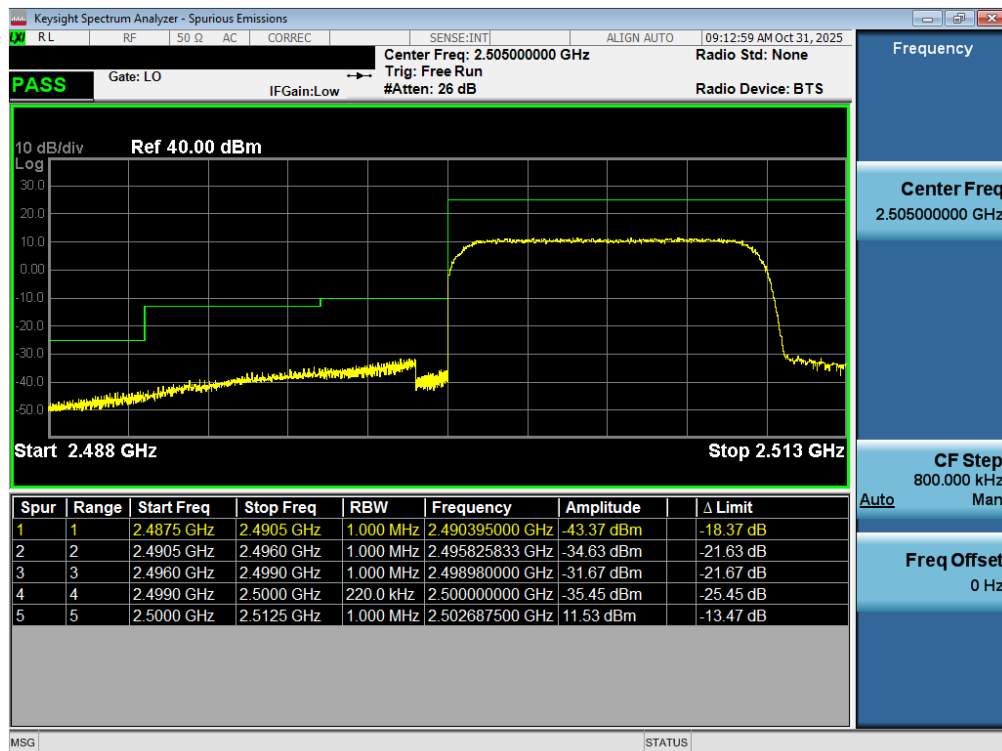


FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 98 of 204

LTE Band 41(PC3) – Ant1

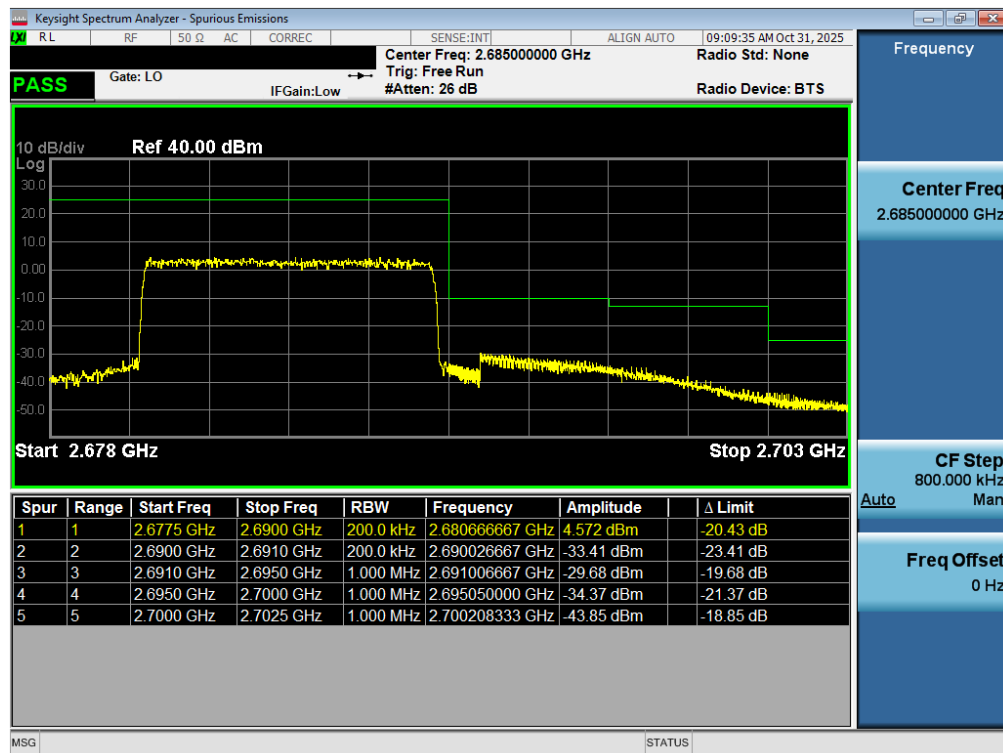


Plot 7-119. Lower ACP Plot (LTE Band 41(PC3) - 10MHz QPSK – Full RB - Ant1)



Plot 7-120. Lower ACP Plot (LTE Band 41(PC3) - 10MHz QPSK – Full RB - Ant1) - ISED

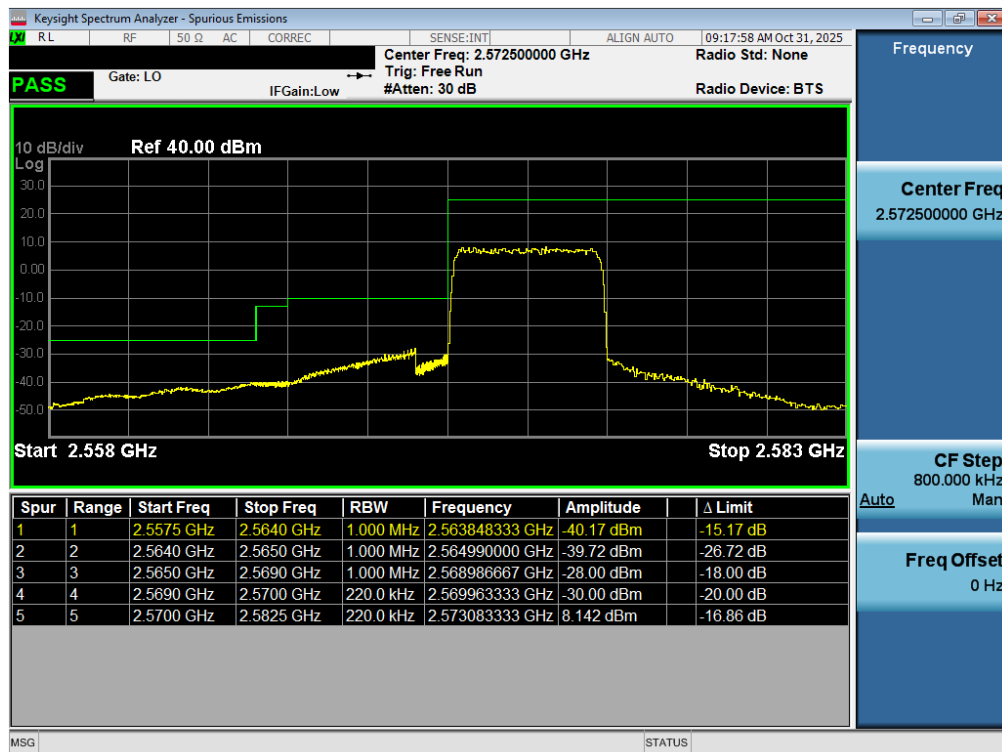
FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 99 of 204



Plot 7-121. Upper ACP Plot (LTE Band 41(PC3) - 10MHz QPSK – Full RB - Ant1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 100 of 204

LTE Band 38 – Ant1



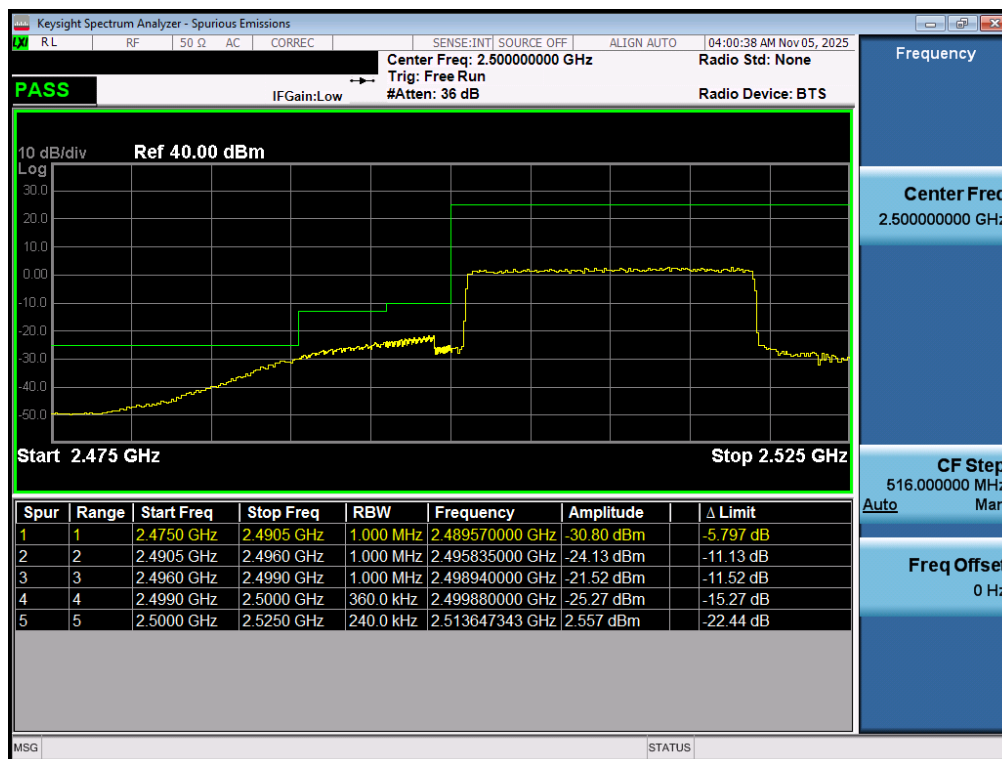
Plot 7-122. Lower ACP Plot (LTE Band 38 - 5MHz QPSK – Full RB - Ant1)



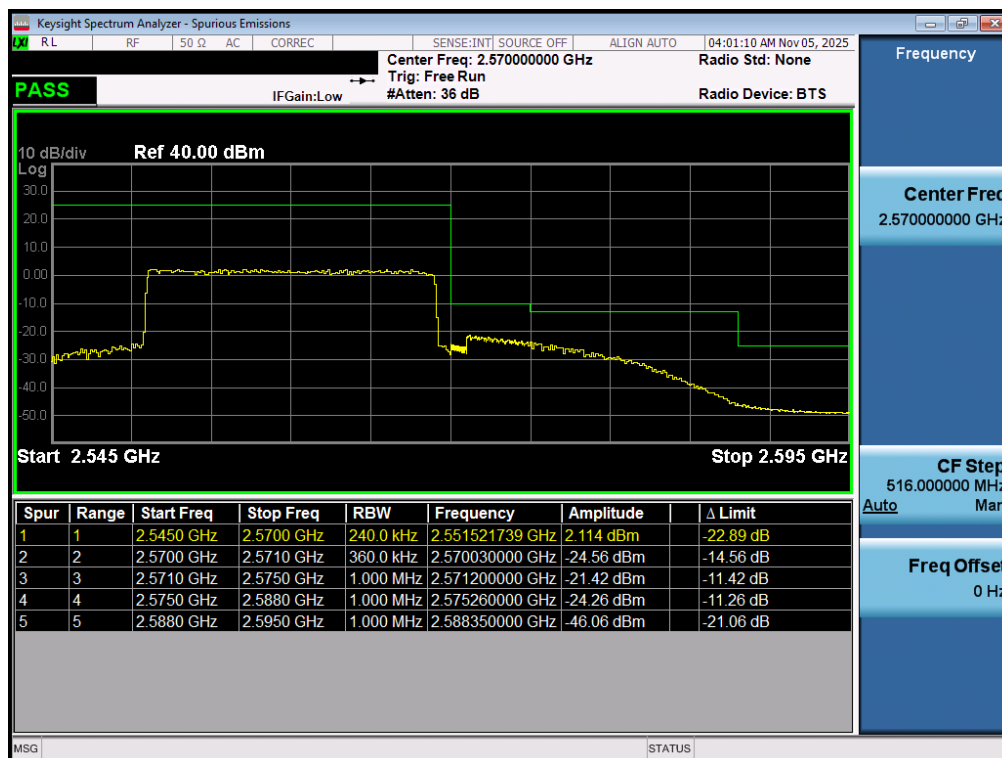
Plot 7-123. Upper ACP Plot (LTE Band 38 - 5MHz QPSK – Full RB - Ant1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 101 of 204

LTE Band 7 – Ant1



Plot 7-124. Lower ACP Plot (LTE Band 7 - 20MHz QPSK – Full RB - Ant1)



Plot 7-125. Upper ACP Plot (LTE Band 7 - 20MHz QPSK – Full RB - Ant1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 102 of 204

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n30	10MHz	Low	Band Edge	-23.57	-13	-10.56
		Low ISED	Band Edge	-24.07	-13	-11.07
		Low	Extended	-38.95	-37	-1.95
	10MHz	High	Band Edge	-24.79	-13	-11.79
		High ISED	Band Edge	-21.41	-13	-8.41
		High	Extended	-26.55	-25	-1.55
	5MHz	Low	Band Edge	-22.48	-13	-9.48
		Low ISED	Band Edge	-16.75	-13	-3.75
		Low	Extended	-22.02	-13	-9.02
	5MHz	High	Band Edge	-22.36	-13	-9.36
		High ISED	Band Edge	-18.87	-13	-5.87
		High	Extended	-32.77	-25	-7.77

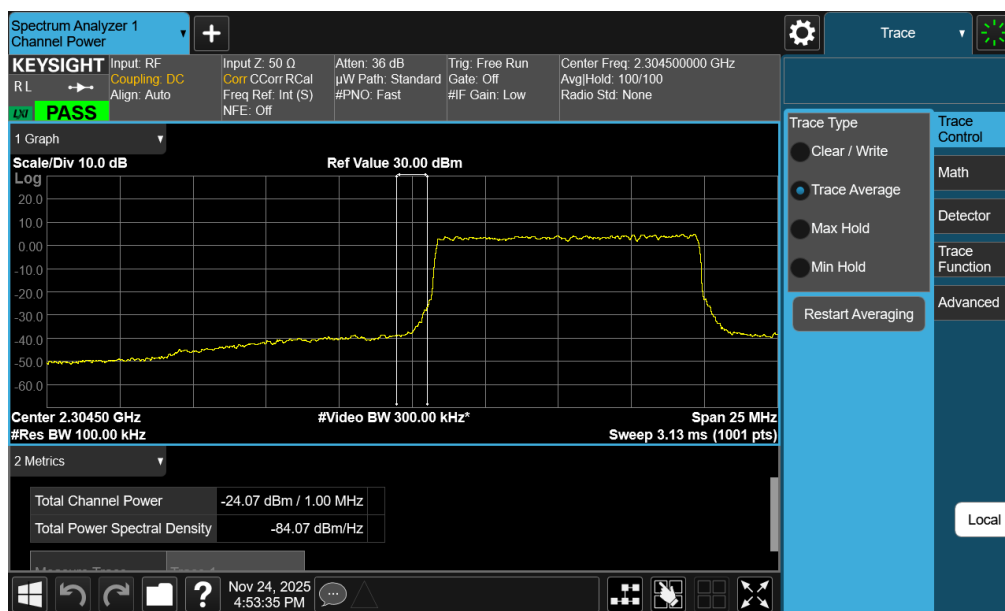
Table 7-16. Conducted Band Edge Test Results – NR – Ant 1

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 103 of 204

NR Band n30 – Ant1



Plot 7-126. Lower Band Edge Plot (NR Band n30 - 10MHz CP-OFDM-QPSK – Full RB - Ant1)

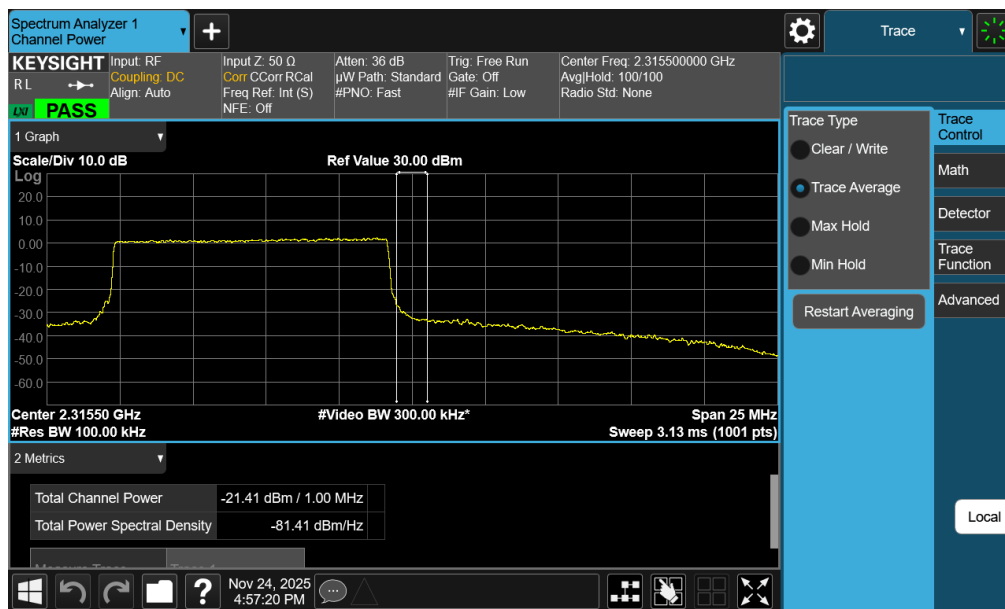


Plot 7-127. Lower Band Edge Plot (NR Band n30 - 10MHz CP-OFDM-QPSK – Full RB - Ant1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 104 of 204



FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 105 of 204



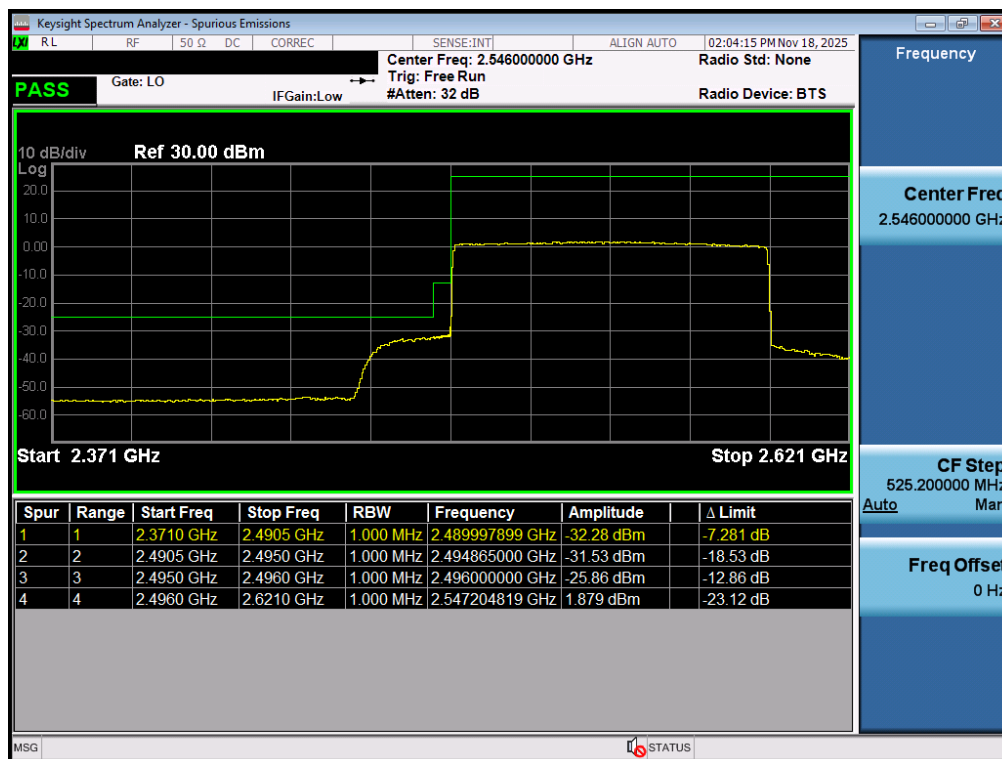
FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 106 of 204

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n41PC2	100MHz	Low	Band Edge	-32.28	-25	-7.28
		Low ISED	Band Edge	-31.67	-25	-6.67
		High	Band Edge	-24.62	-13	-11.62
	90MHz	Low	Band Edge	-32.74	-25	-7.74
		Low ISED	Band Edge	-32.47	-25	-7.47
		High	Band Edge	-24.72	-13	-11.72
	80MHz	Low	Band Edge	-33.14	-25	-8.14
		Low ISED	Band Edge	-32.93	-25	-7.93
		High	Band Edge	-24.10	-13	-11.10
	70MHz	Low	Band Edge	-32.95	-25	-7.95
		Low ISED	Band Edge	-32.99	-25	-7.99
		High	Band Edge	-24.20	-13	-11.20
	60MHz	Low	Band Edge	-34.50	-25	-9.50
		Low ISED	Band Edge	-33.87	-25	-8.87
		High	Band Edge	-21.10	-10	-11.10
	50MHz	Low	Band Edge	-35.60	-25	-10.60
		Low ISED	Band Edge	-35.39	-25	-10.39
		High	Band Edge	-24.52	-13	-11.52
	40MHz	Low	Band Edge	-35.77	-25	-10.77
		Low ISED	Band Edge	-36.16	-25	-11.16
		High	Band Edge	-25.38	-13	-12.38
	30MHz	Low	Band Edge	-35.98	-25	-10.98
		Low ISED	Band Edge	-36.45	-25	-11.45
		High	Band Edge	-26.07	-13	-13.07
	20MHz	Low	Band Edge	-34.49	-25	-9.49
		Low ISED	Band Edge	-35.33	-25	-10.33
		High	Band Edge	-24.21	-13	-11.21
	15MHz	Low	Band Edge	-36.65	-25	-11.65
		Low ISED	Band Edge	-37.79	-25	-12.79
		High	Band Edge	-20.87	-10	-10.87
	10MHz	Low	Band Edge	-34.88	-25	-9.88
		Low ISED	Band Edge	-40.82	-25	-15.82
		High	Band Edge	-18.41	-10	-8.41

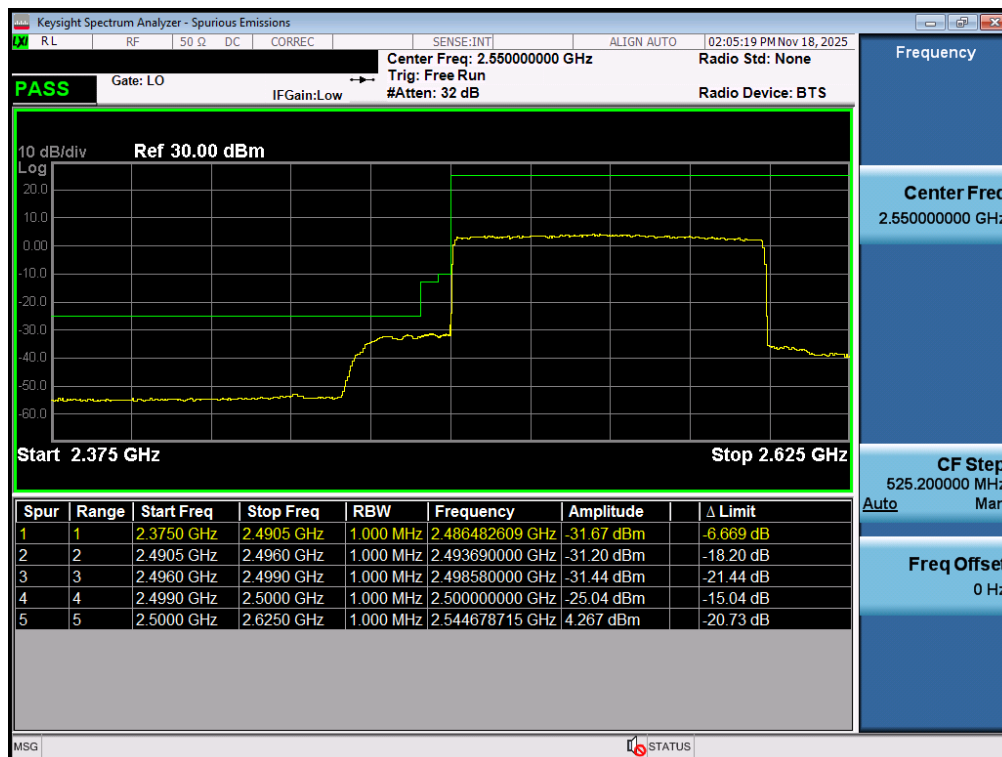
Table 7-17. Conducted Band Edge Test Results – n41 Ant 1

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 107 of 204

NR Band n41 – Main – Ant1

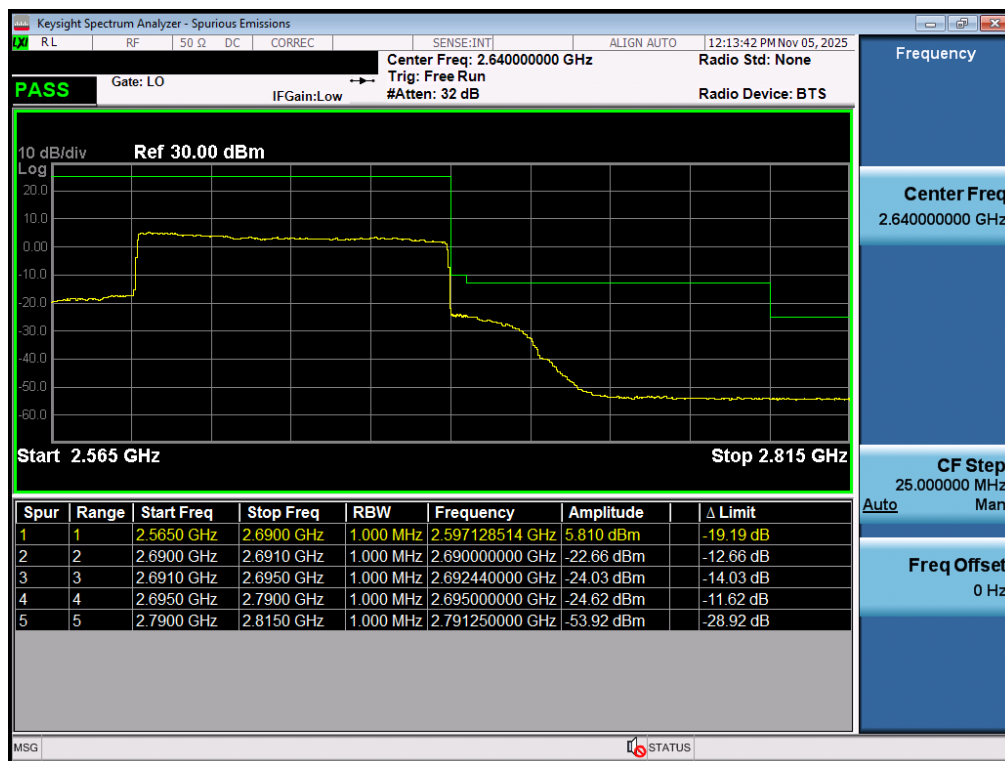


Plot 7-132. Lower ACP Plot (NR Band n41PC2 - 100MHz CP-OFDM-QPSK – Full RB - Ant1)



Plot 7-133. Lower ACP Plot (NR Band n41PC2 - 100MHz CP-OFDM-QPSK – Full RB - Ant1) - ISED

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 108 of 204



Plot 7-134. Upper ACP Plot (NR Band n41PC2 - 100MHz CP-OFDM-QPSK – Full RB - Ant1)

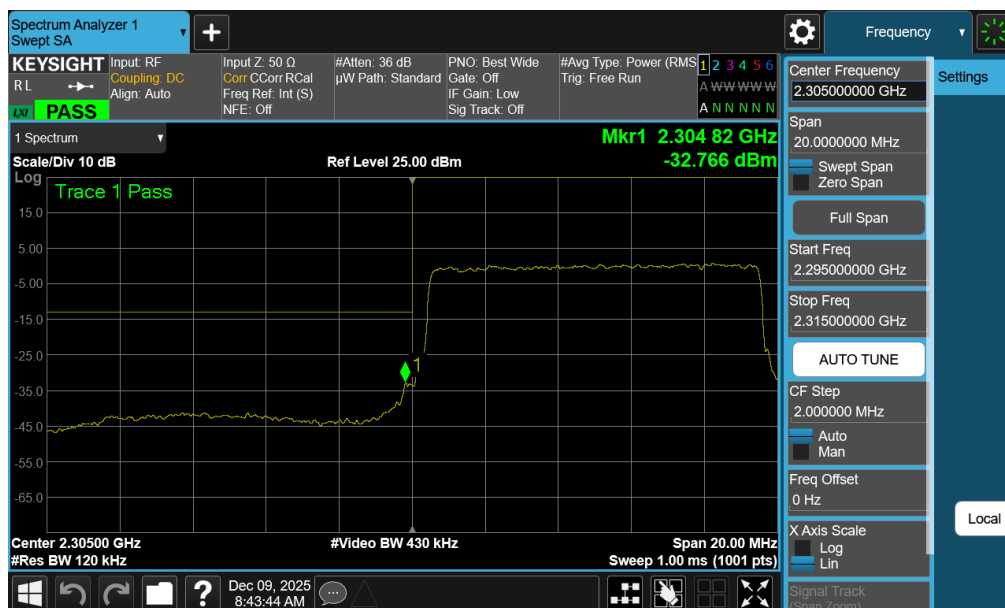
FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 109 of 204

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
LTE-B30	10MHz	Low	Band Edge	-32.77	-13	-19.77
		Low ISSED	Band Edge	-29.21	-13	-16.21
		Low	Extended	-41.30	-37	-4.30
		High	Band Edge	-31.74	-13	-18.74
		High ISSED	Band Edge	-26.63	-13	-13.63
		High	Extended	-26.06	-25	-1.05
	5MHz	Low	Band Edge	-23.88	-13	-10.88
		Low ISSED	Band Edge	-19.98	-13	-6.98
		Low	Extended	-14.36	-13	-1.36
		High	Band Edge	-23.81	-13	-10.81
		High ISSED	Band Edge	-19.56	-13	-6.56
		High	Extended	-41.59	-37	-4.59
LTE-B7	20MHz	Low	Band Edge	-32.52	-25	-7.52
		High	Band Edge	-28.45	-10	-18.45
	15MHz	Low	Band Edge	-37.52	-25	-12.52
		High	Band Edge	-26.10	-10	-16.10
	10MHz	Low	Band Edge	-38.30	-25	-13.30
		High	Band Edge	-22.69	-10	-12.69
	5MHz	Low	Band Edge	-41.46	-25	-16.46
		High	Band Edge	-21.17	-10	-11.17
LTE-B41PC3	20MHz	Low	Band Edge	-28.31	-25	-3.31
		Low ISSED	Band Edge	-29.21	-25	-4.21
		High	Band Edge	-39.67	-25	-14.67
	15MHz	Low	Band Edge	-28.32	-25	-3.32
		Low ISSED	Band Edge	-32.18	-25	-7.18
		High	Band Edge	-28.34	-13	-15.34
	10MHz	Low	Band Edge	-27.73	-25	-2.73
		Low ISSED	Band Edge	-32.36	-25	-7.36
		High	Band Edge	-22.29	-10	-12.29
	5MHz	Low	Band Edge	-25.64	-13	-12.64
		Low ISSED	Band Edge	-24.93	-10	-14.93
		High	Band Edge	-22.49	-10	-12.49
LTE-B38	20MHz	Low	Band Edge	-36.22	-25	-11.22
		High	Band Edge	-39.09	-25	-14.09
	15MHz	Low	Band Edge	-33.16	-13	-20.16
		High	Band Edge	-40.12	-25	-15.12
	10MHz	Low	Band Edge	-34.76	-25	-9.76
		High	Band Edge	-36.14	-25	-11.14
	5MHz	Low	Band Edge	-40.30	-25	-15.30
		High	Band Edge	-22.58	-10	-12.58

Table 7-18. Conducted Band Edge Test Results – LTE – Ant 2

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 110 of 204

LTE Band 30 – Ant2

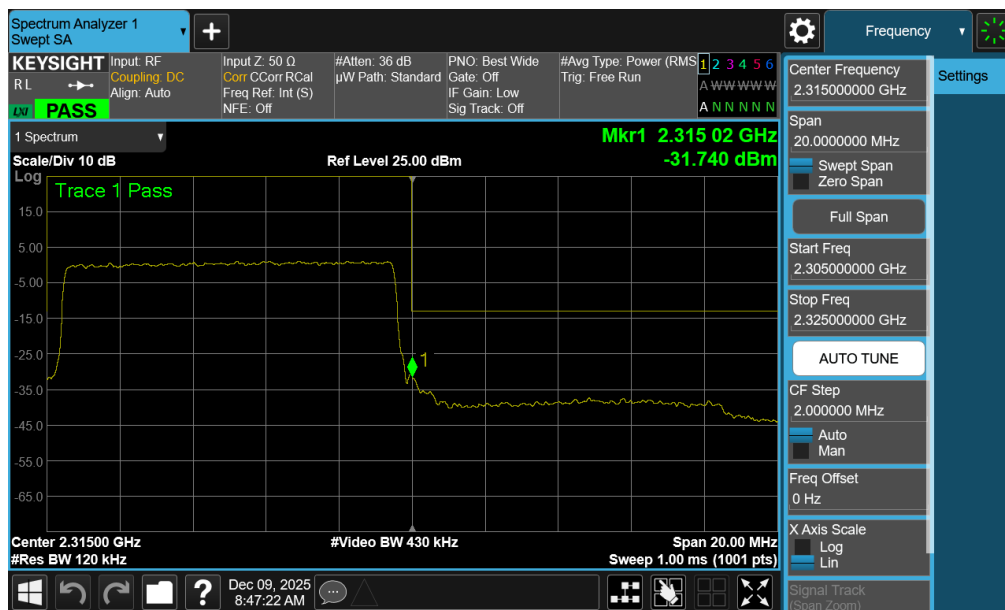
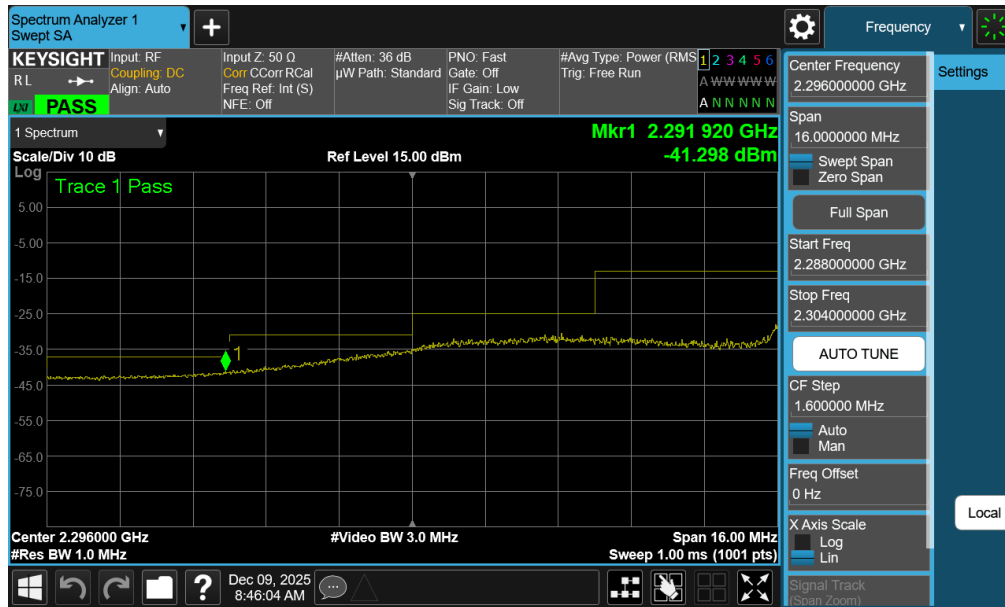


Plot 7-135. Lower Band Edge Plot (LTE Band 30 - 10MHz QPSK – Full RB - Ant2)

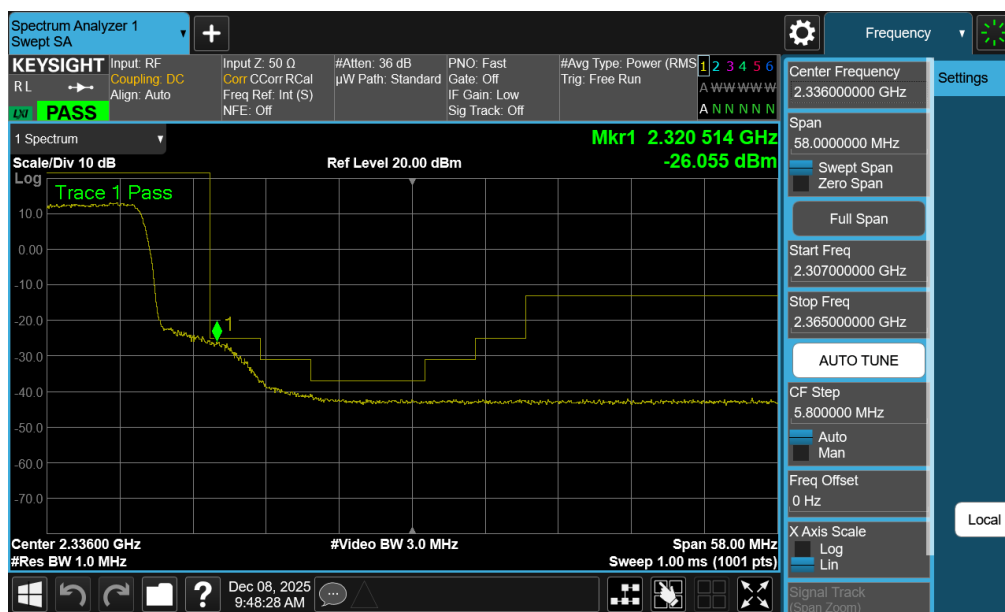
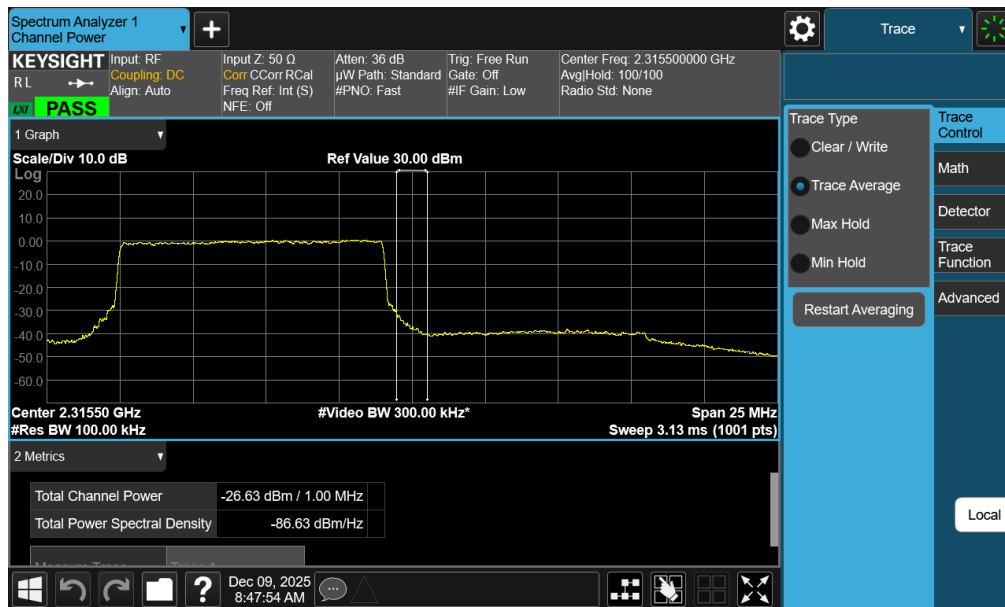


Plot 7-136. Lower Band Edge Plot (LTE Band 30 - 10MHz QPSK – Full RB - Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 111 of 204

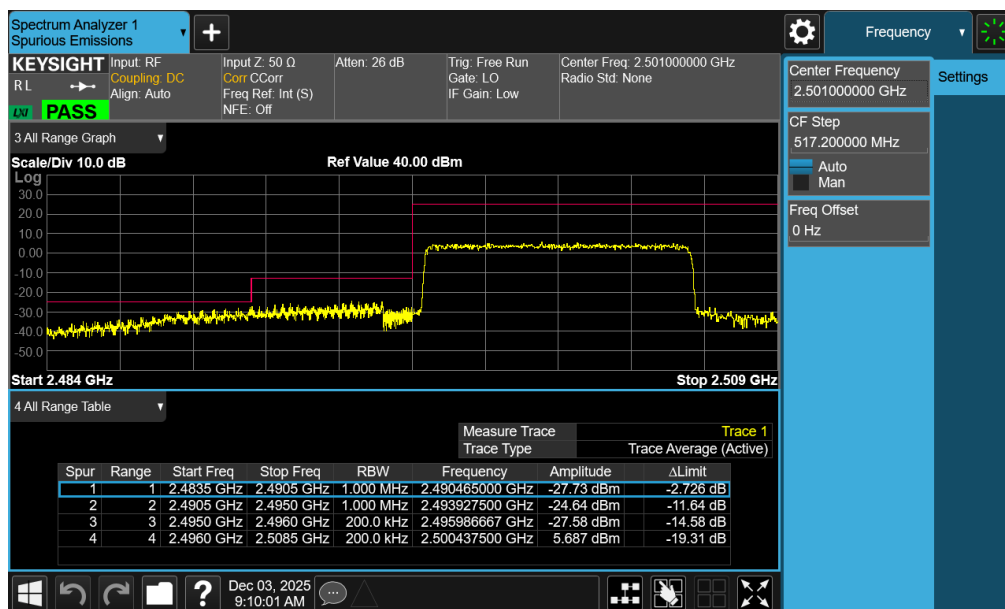


FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 112 of 204

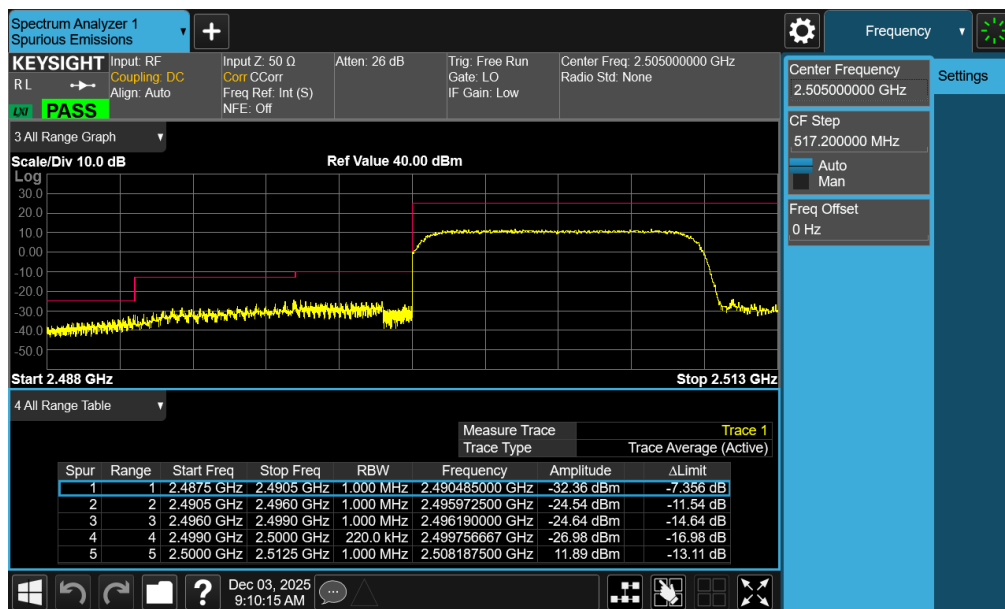


FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 113 of 204

LTE Band 41(PC3) – Ant2



Plot 7-141. Lower ACP Plot (LTE Band 41(PC3) - 10MHz QPSK – Full RB - Ant2)



Plot 7-142. Lower ACP Plot (LTE Band 41(PC3) - 10MHz QPSK – Full RB - Ant2) - ISED

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-08.A3L	Test Dates: 10/31/2025 - 12/19/2025	EUT Type: Portable Handset	Page 114 of 204