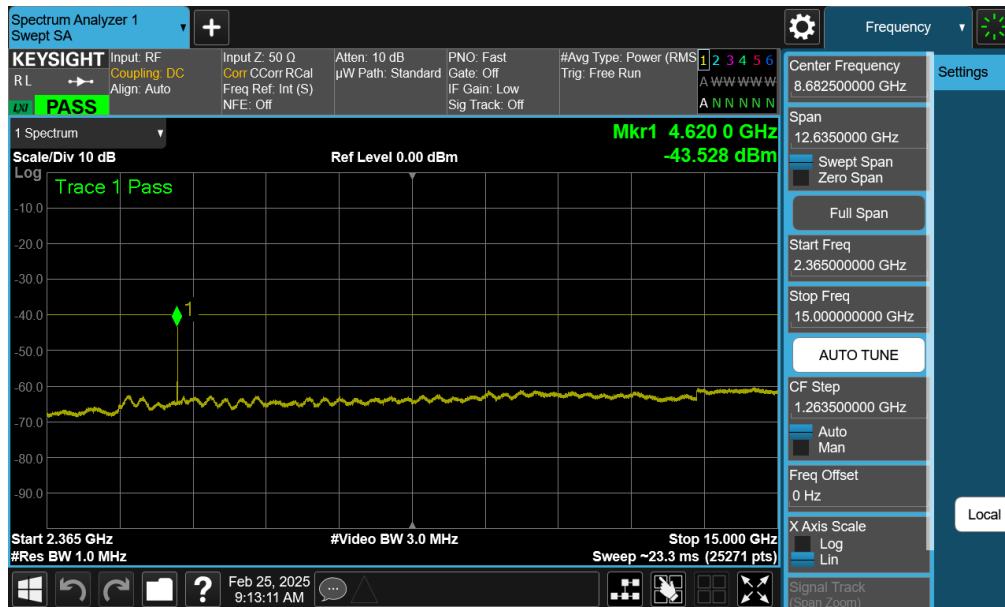
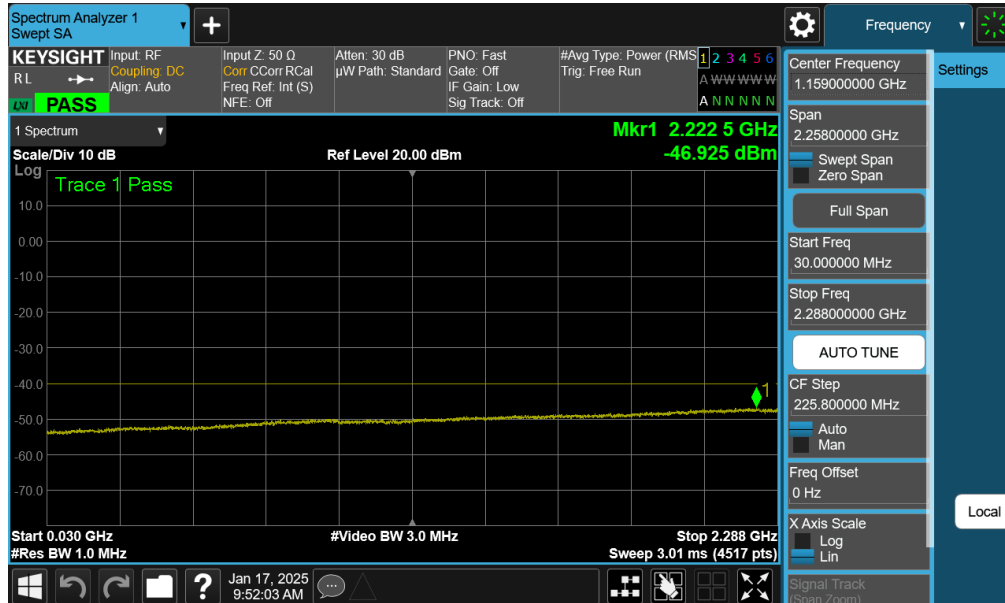
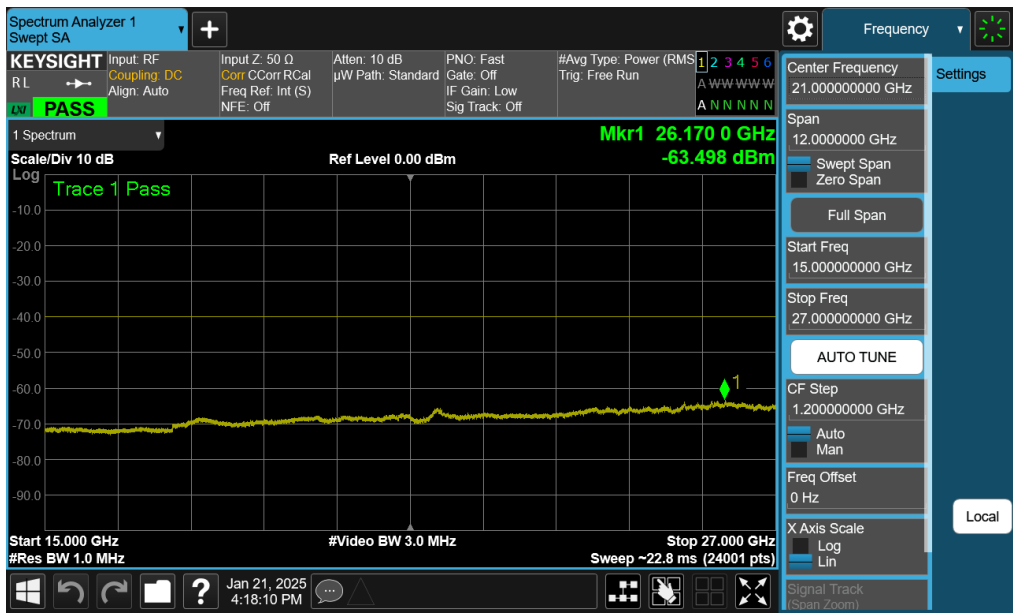


NR Band n30 – Ant 2



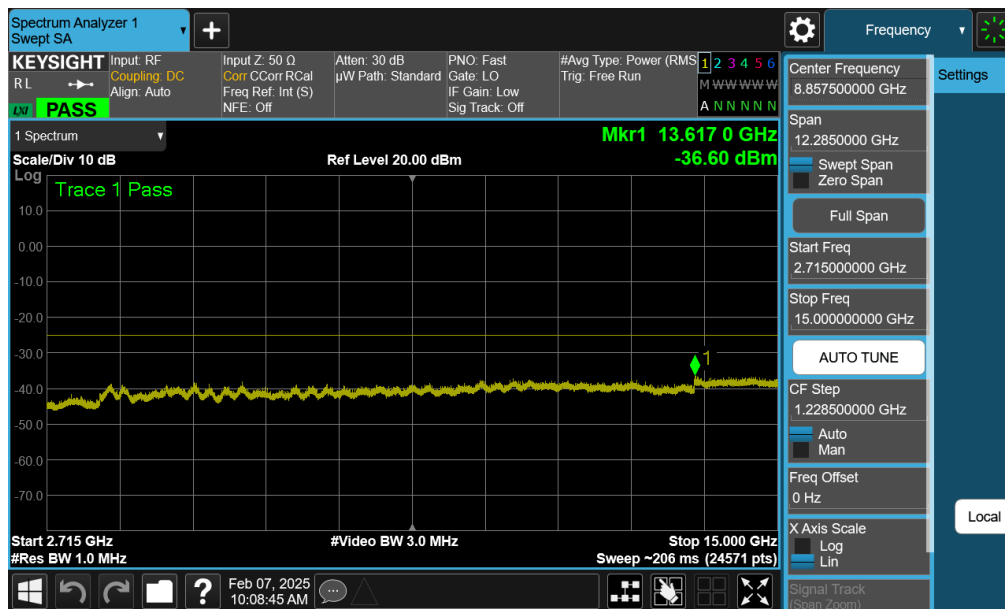
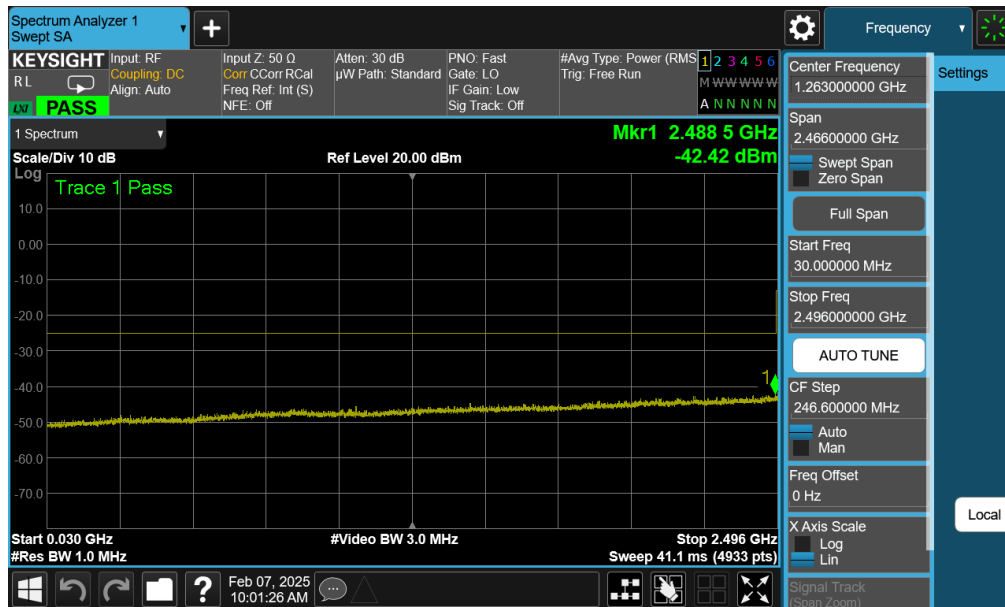
FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-10.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 74 of 138



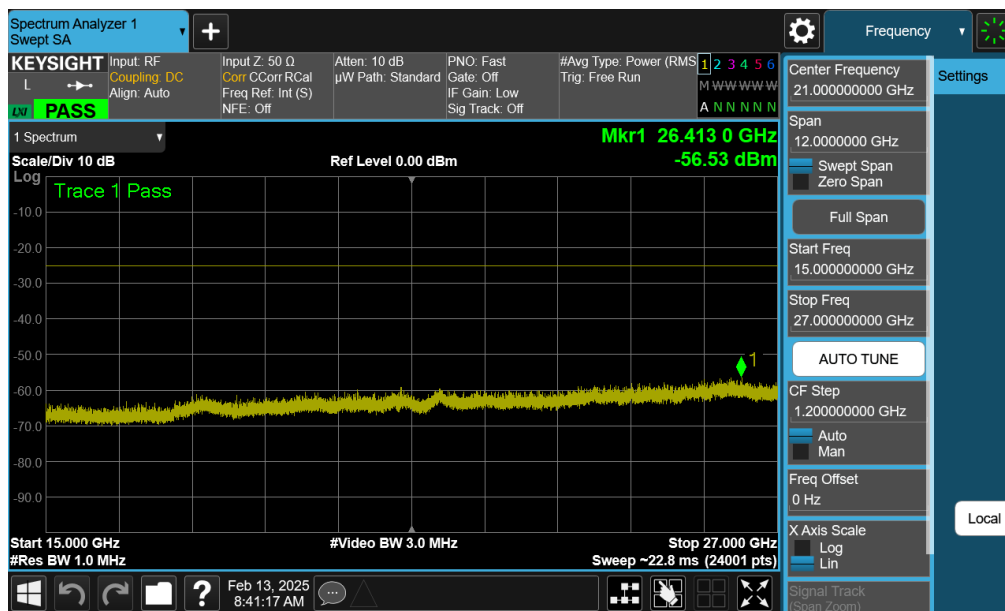
Plot 7-103. Conducted Spurious Plot (NR Band n30 - 10MHz QPSK - RB Size 1, RB Offset 0 – Ant 2)

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-10.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 75 of 138

NR Band n41 – Ant 2



FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-106. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel Ant 2)

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-10.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 77 of 138

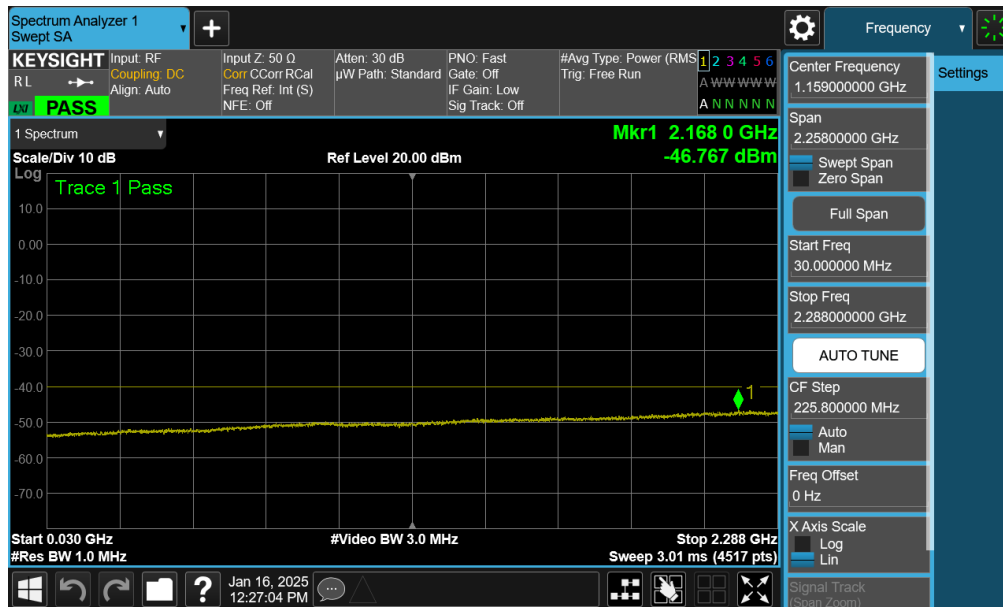
Mode	Bandwidth	Channel	Range [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]
LTE-B30	10MHz	Mid	30.0 - 2288.0	-46.77	-40	-6.77
		Mid	2365.0 - 15000.0	-45.02	-40	-5.02
		Mid	15000.0 - 27000.0	-63.39	-40	-23.39
LTE-B7	20MHz	Low	30.0 - 2500.0	-46	-25	-21.00
		Low	2570.0 - 15000.0	-39.92	-25	-14.92
		Low	15000.0 - 27000.0	-64.27	-25	-39.27
		Mid	30.0 - 2500.0	-45.87	-25	-20.87
		Mid	2570.0 - 15000.0	-39.8	-25	-14.80
		Mid	15000.0 - 27000.0	-64.73	-25	-39.73
		High	30.0 - 2500.0	-46.06	-25	-21.06
		High	2570.0 - 15000.0	-39.69	-25	-14.69
		High	15000.0 - 27000.0	-64.66	-25	-39.66
LTE-B41/38 PC3	20MHz	Low	30.0 - 2288.0	-43.06	-25	-18.06
		Low	2365.0 - 15000.0	-36.68	-25	-11.68
		Low	15000.0 - 27000.0	-56.79	-25	-31.79
		Mid	30.0 - 2288.0	-42.27	-25	-17.27
		Mid	2570.0 - 15000.0	-36.66	-25	-11.66
		Mid	15000.0 - 27000.0	-56.36	-25	-31.36
		High	30.0 - 2288.0	-42.45	-25	-17.45
		High	2570.0 - 15000.0	-37.01	-25	-12.01
		High	15000.0 - 27000.0	-56.54	-25	-31.54
NR-n30	10MHz	Mid	30.0 - 2288.0	-47.02	-40	-7.01562
		Mid	2570.0 - 15000.0	-44.03	-40	-4.03073
		Mid	15000.0 - 27000.0	-63.17	-40	-23.1677

Table 7-7. Conducted Emission Test Results – Ant 4

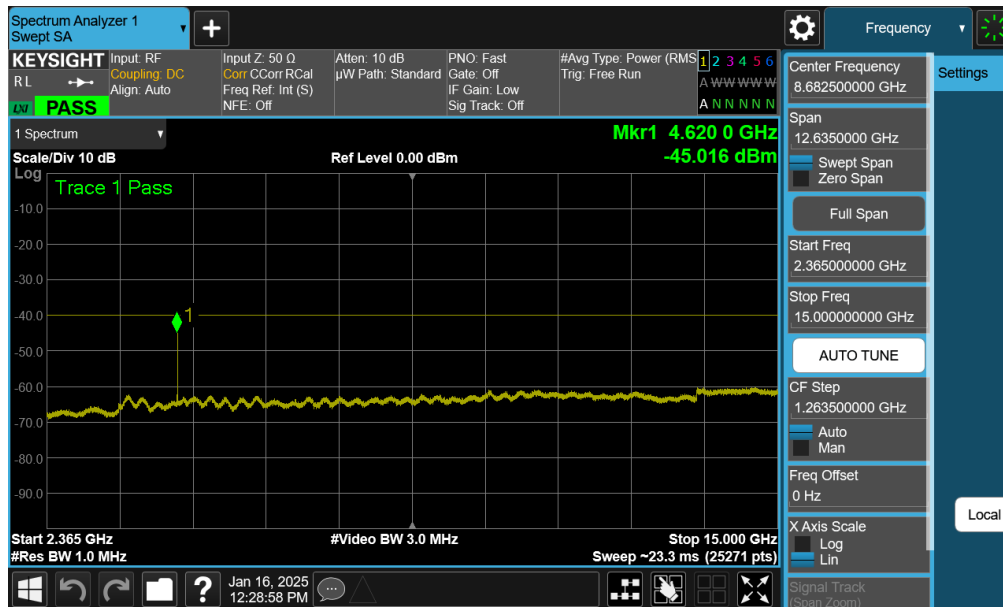
FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 30 – Ant 4



Plot 7-107. Conducted Spurious Plot (LTE Band 30 - 10MHz QPSK - RB Size 1, RB Offset 0 - Ant 4)



Plot 7-108. Conducted Spurious Plot (LTE Band 30 - 10MHz QPSK - RB Size 1, RB Offset 0 - Ant 4)

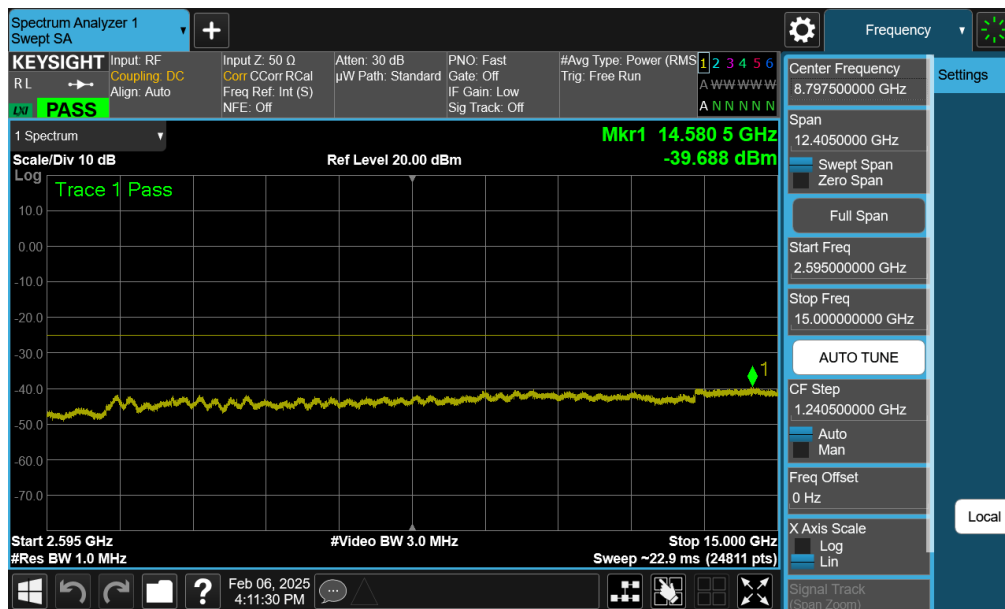
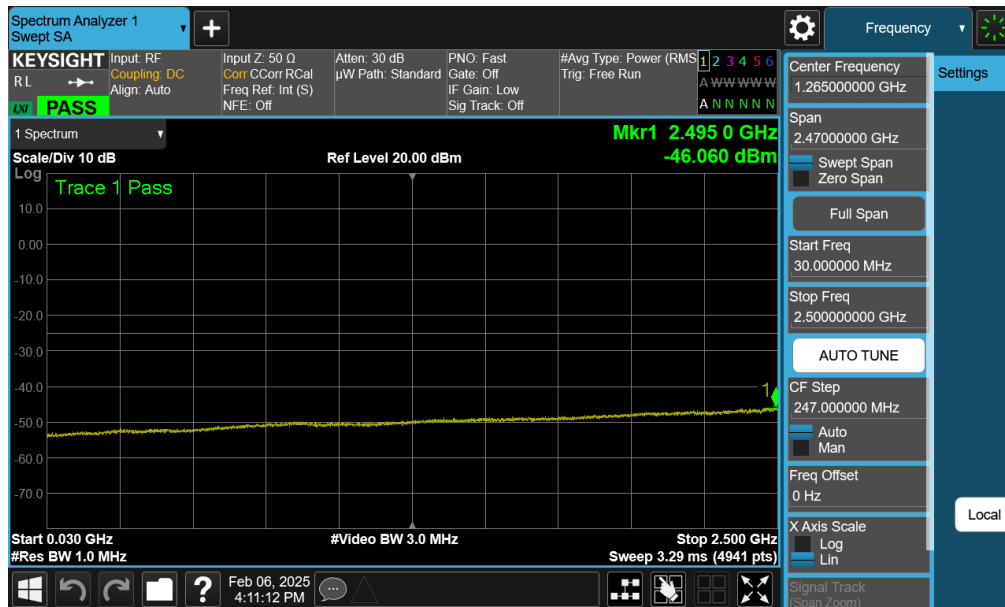
FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-10.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 79 of 138



Plot 7-109. Conducted Spurious Plot (LTE Band 30 - 10MHz QPSK - RB Size 1, RB Offset 0 - Ant 4)

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 7 – Ant 4



FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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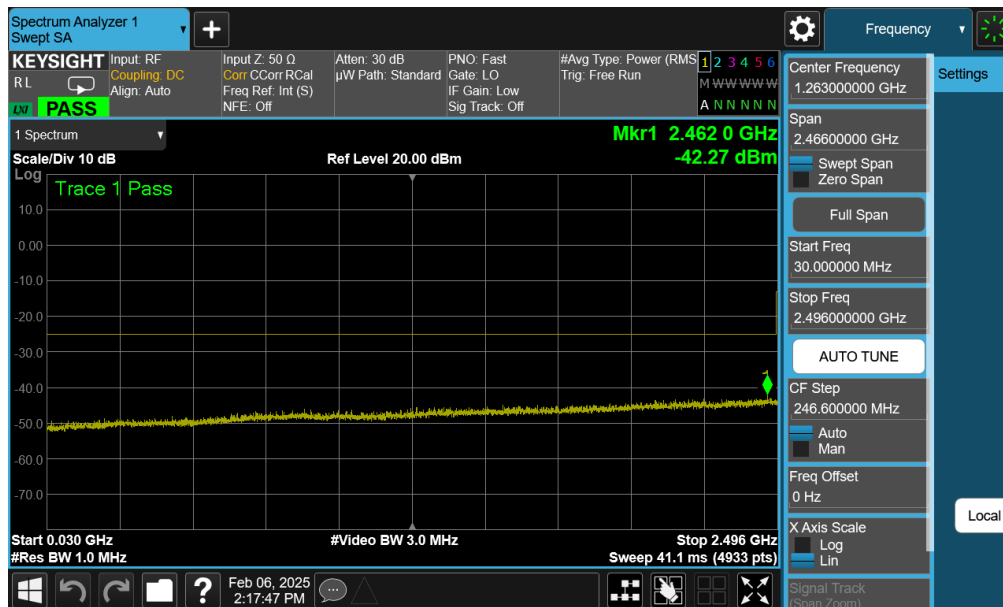


Plot 7-112. Conducted Spurious Plot (LTE Band 7 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel - Ant 4)

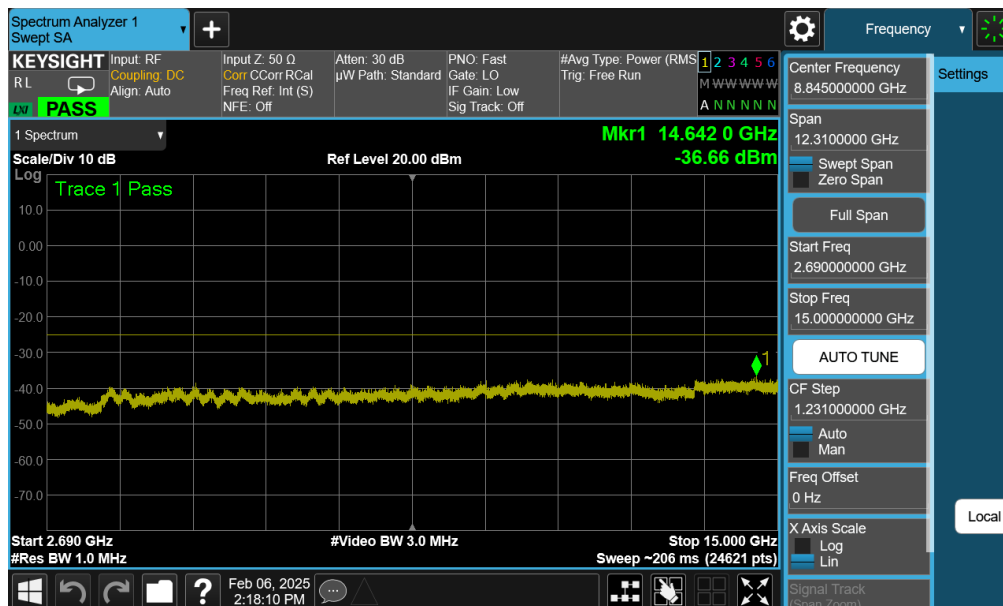
FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-10.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 82 of 138



LTE Band 41(PC3)/38 – Ant 4

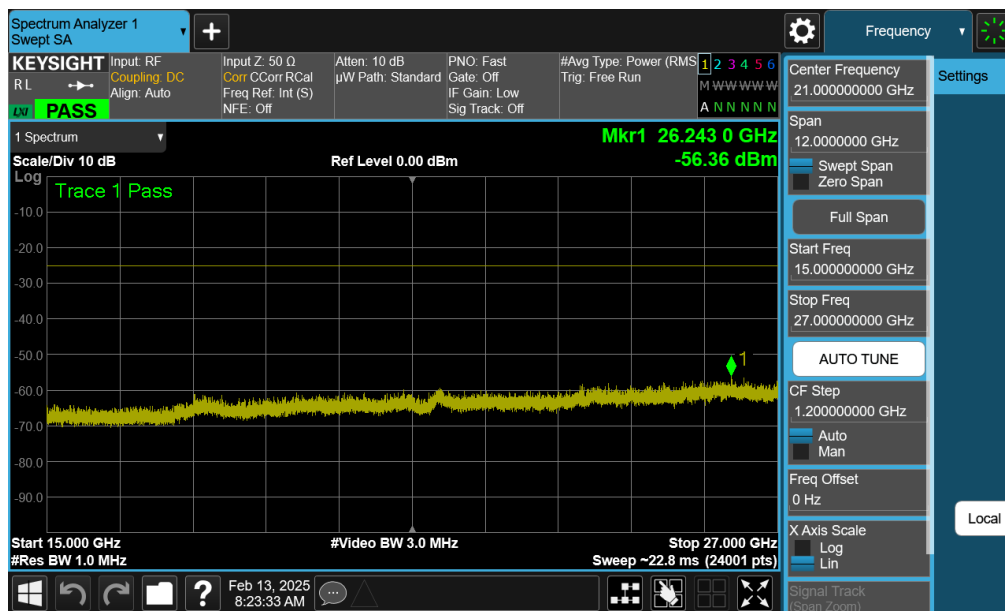


Plot 7-113. Conducted Spurious Plot (LTE Band 41(PC3)/38 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel - Ant 4)



Plot 7-114. Conducted Spurious Plot (LTE Band 41(PC3)/38 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel - Ant 4)

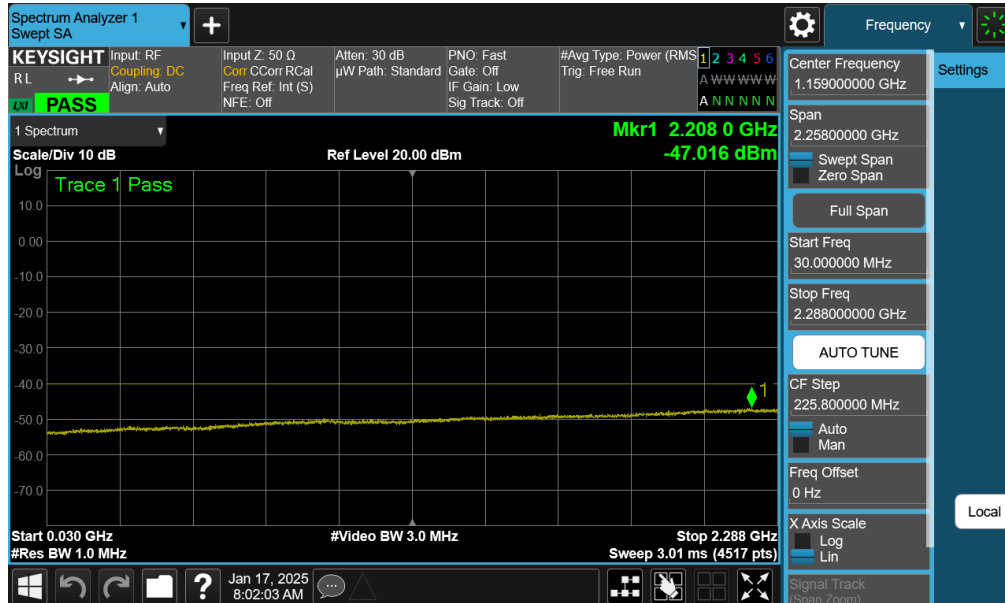
FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-10.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 83 of 138



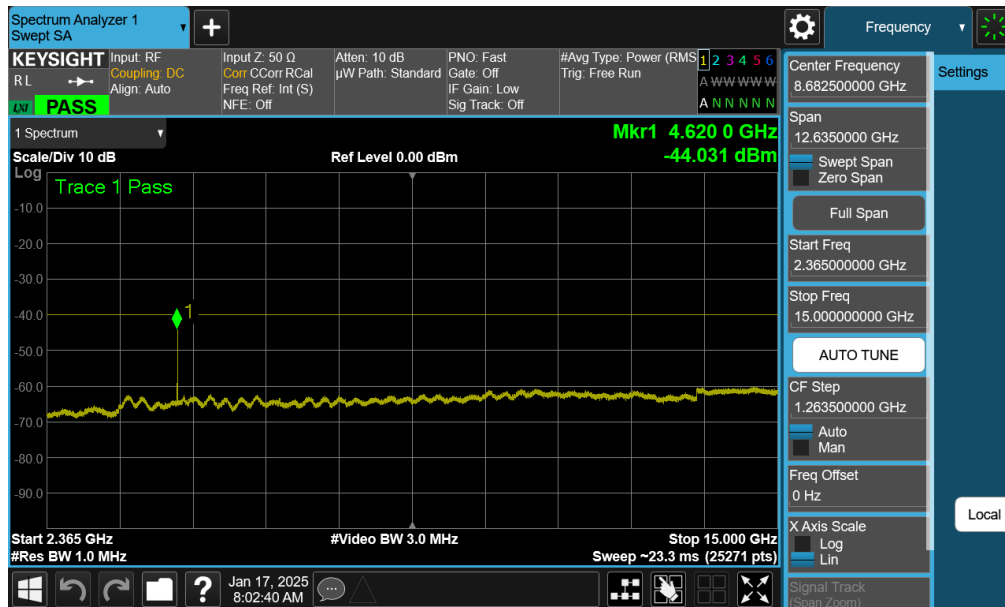
Plot 7-115. Conducted Spurious Plot (LTE Band 41(PC3)/38 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel - Ant 4)

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n30 – Ant 4

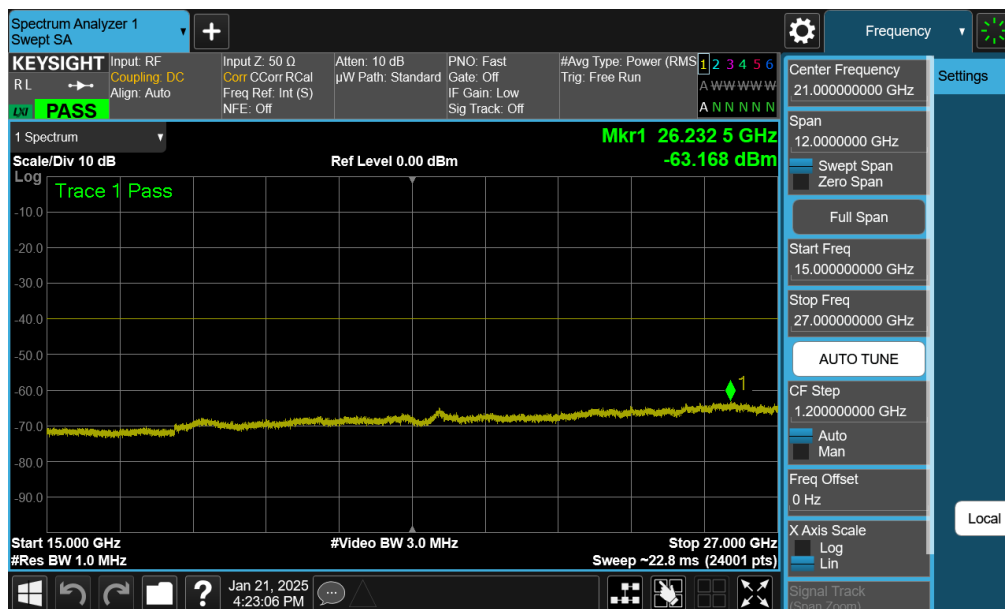


Plot 7-116. Conducted Spurious Plot (NR Band n30 - 10MHz QPSK - RB Size 1, RB Offset 0 – Ant 4)



Plot 7-117. Conducted Spurious Plot (NR Band n30 - 10MHz QPSK - RB Size 1, RB Offset 0 – Ant 4)

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-118. Conducted Spurious Plot (NR Band n30 - 10MHz QPSK - RB Size 1, RB Offset 0 – Ant 4)

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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 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.

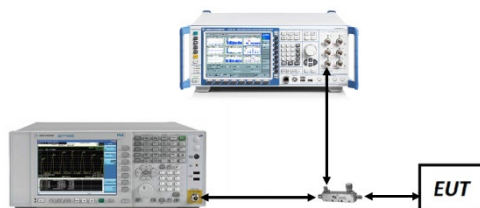


Figure 7-4. Test Instrument & Measurement Setup

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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.
4. Per ANSI C63.26-2015, MIMO compliance was addressed by adding $10\log(2) = 3\text{dB}$ to the output of each antenna. A visual inspection of the plots for each antenna shows that the emissions are still compliant even after adding 3dB.

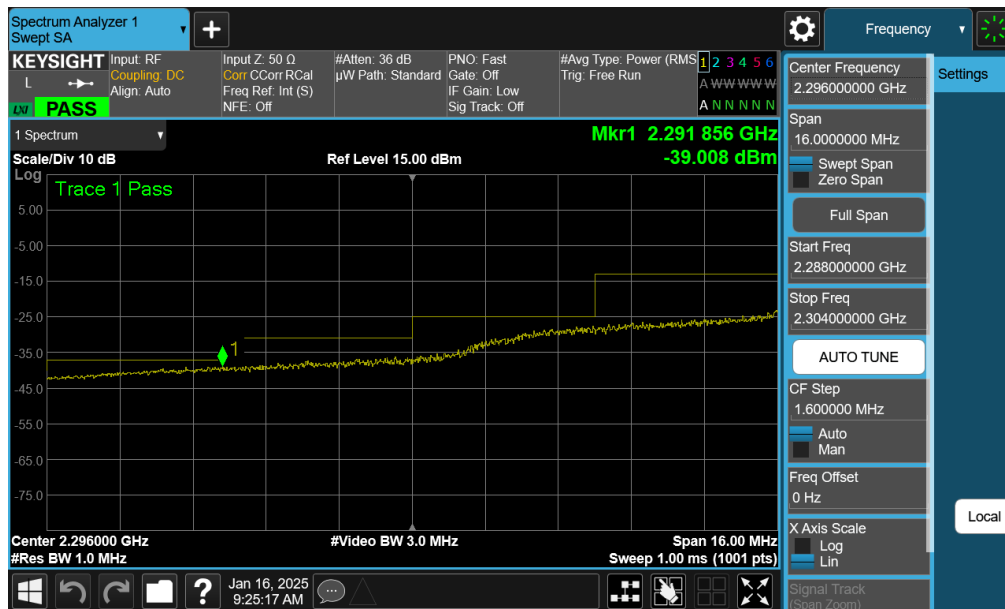
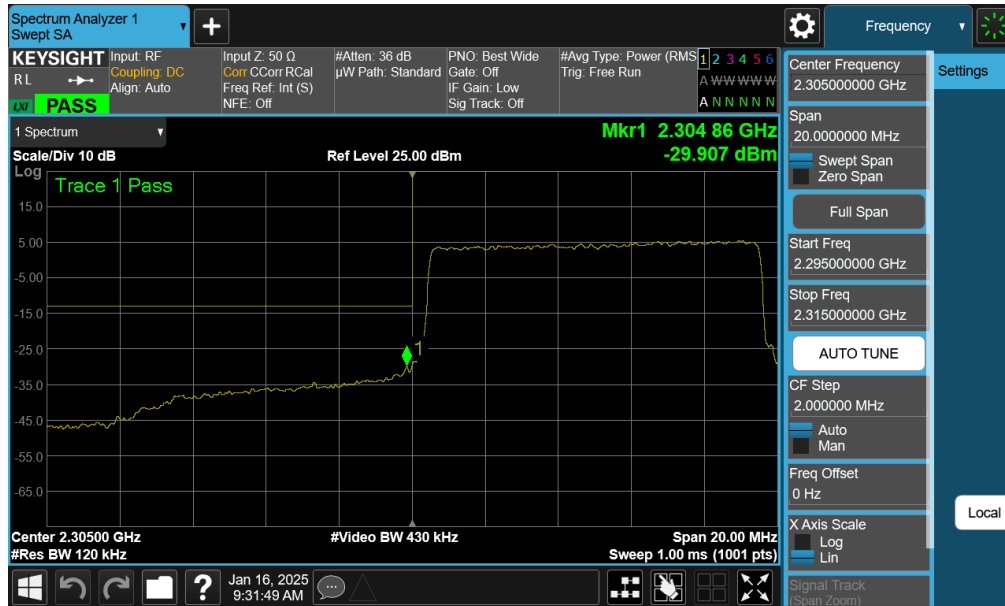
FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
LTE-B30	10MHz	Low	Band Edge	-29.91	-13	-16.91
		Low	Extended	-39.01	-37	-2.01
		High	Band Edge	-29.03	-13	-16.03
		High	Extended	-27.38	-25	-2.37
	5MHz	Low	Band Edge	-25.69	-13	-12.69
		Low	Extended	-21.36	-13	-8.36
		High	Band Edge	-26.39	-13	-13.39
		High	Extended	-42.25	-37	-5.25
LTE-B7	20MHz	Low	Band Edge	-38.50	-25	-13.50
		High	Band Edge	-42.35	-25	-17.35
	15MHz	Low	Band Edge	-37.41	-25	-12.41
		High	Band Edge	-41.29	-25	-16.29
	10MHz	Low	Band Edge	-40.76	-25	-15.76
		High	Band Edge	-41.37	-25	-16.37
	5MHz	Low	Band Edge	-40.87	-25	-15.87
		High	Band Edge	-41.13	-25	-16.13
LTE-B41/38PC3	20MHz	Low	Band Edge	-35.64	-25	-10.64
		High	Band Edge	-42.82	-25	-17.82
	15MHz	Low	Band Edge	-32.48	-25	-7.48
		High	Band Edge	-38.49	-25	-13.49
	10MHz	Low	Band Edge	-35.13	-25	-10.13
		High	Band Edge	-40.28	-25	-15.28
	5MHz	Low	Band Edge	-28.92	-13	-15.92
		High	Band Edge	-41.35	-25	-16.35
NR-n30	10MHz	Low	Band Edge	-26.31	-13	-13.30
		Low	Extended	-28.60	-25	-3.60
		High	Band Edge	-24.85	-13	-11.85
		High	Extended	-27.46	-25	-2.46
	5MHz	Low	Band Edge	-24.71	-13	-11.71
		Low	Extended	-19.86	-13	-6.86
		High	Band Edge	-35.26	-25	-10.43
		High	Extended	-34.39	-25	-9.39
NR-n41PC2	100MHz	Low	Band Edge	-31.81	-25	-6.81
		High	Band Edge	-26.07	-10	-16.07
	90MHz	Low	Band Edge	-27.50	-10	-12.84
		High	Band Edge	-27.50	-10	-20.28
	80MHz	Low	Band Edge	-31.94	-25	-6.94
		High	Band Edge	-30.67	-13	-17.67
	70MHz	Low	Band Edge	-30.89	-13	-17.89
		High	Band Edge	-30.89	-13	-21.62
	60MHz	Low	Band Edge	-30.54	-25	-5.54
		High	Band Edge	-21.48	-10	-11.48
	50MHz	Low	Band Edge	-43.00	-25	-18.00
		High	Band Edge	-43.00	-25	-19.75
	40MHz	Low	Band Edge	-29.15	-25	-4.15
		High	Band Edge	-41.28	-25	-16.28
	30MHz	Low	Band Edge	-25.59	-13	-12.59
		High	Band Edge	-25.59	-13	-17.67
	20MHz	Low	Band Edge	-36.94	-25	-11.94
		High	Band Edge	-36.94	-25	-15.74
	15MHz	Low	Band Edge	-26.61	-25	-1.61
		High	Band Edge	-29.41	-13	-16.41
	10MHz	Low	Band Edge	-28.26	-25	-3.26
		High	Band Edge	-27.65	-10	-17.65

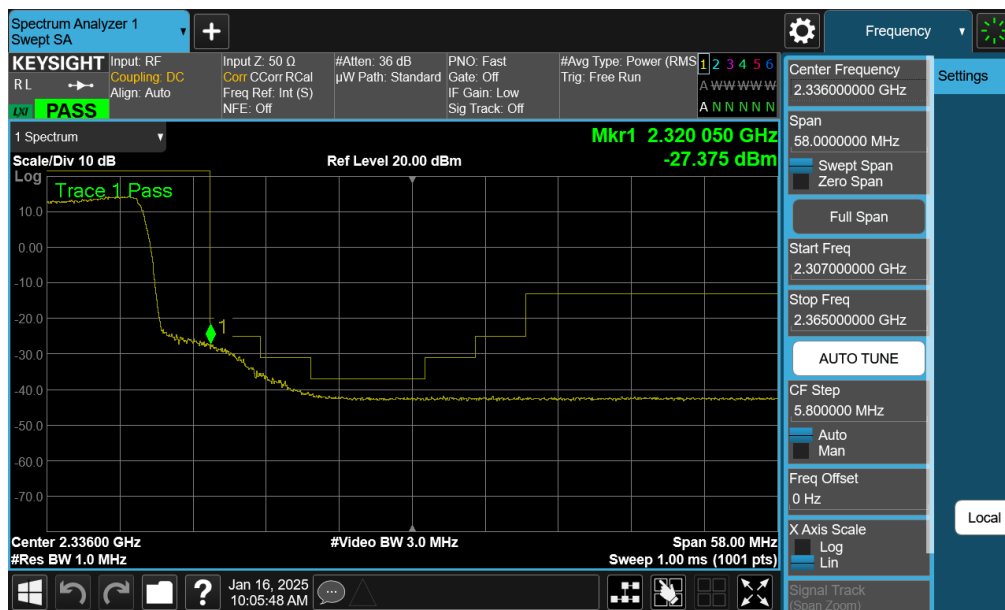
Table 7-8. Conducted Band Edge Test Results – Ant 2

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 30 – Ant 2

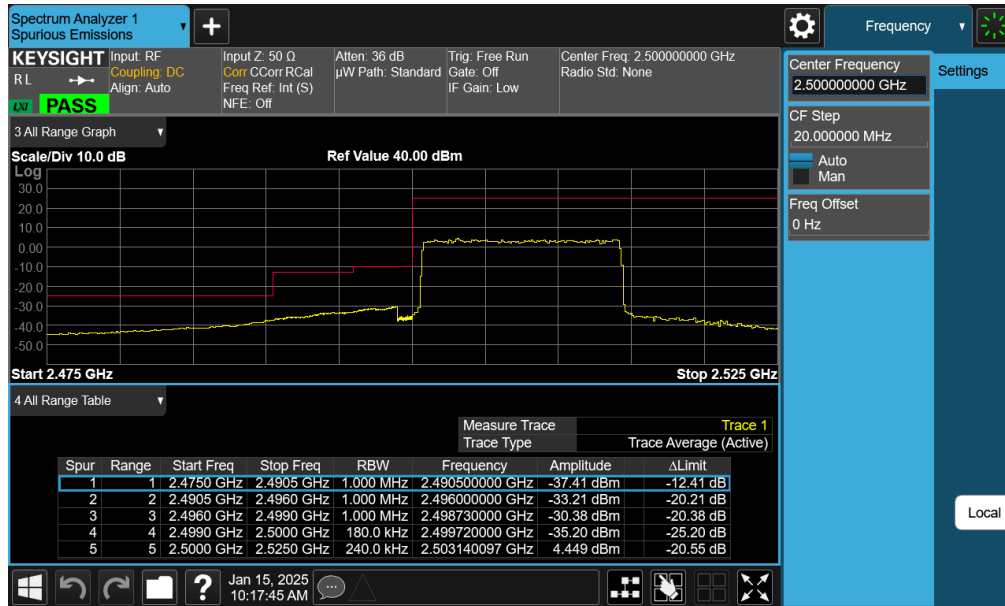


FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-10.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 90 of 138

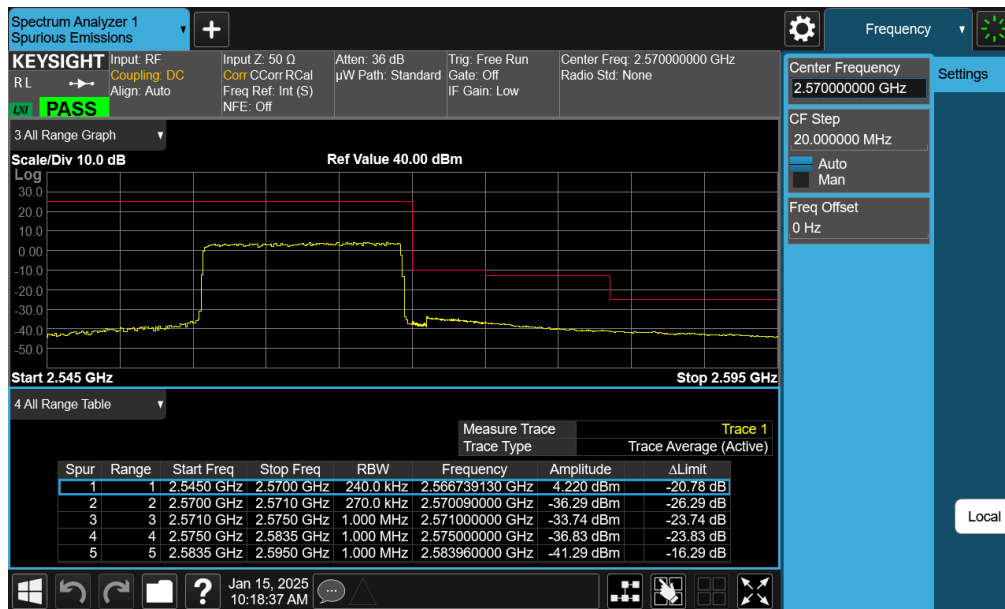


FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 7 – Ant 2



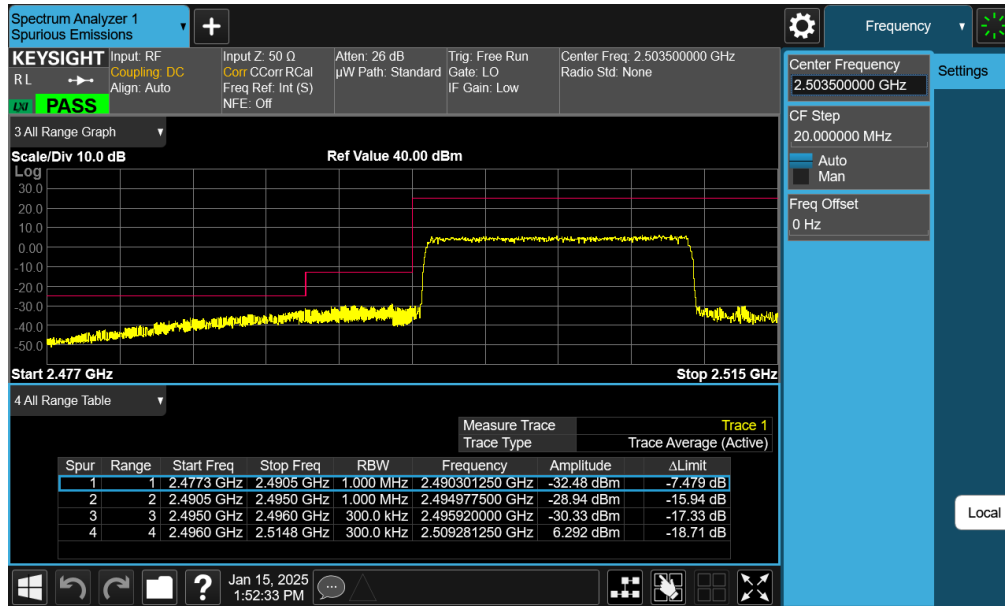
Plot 7-123. Lower ACP Plot (LTE Band 7 - 15MHz QPSK – Full RB - Ant 2)



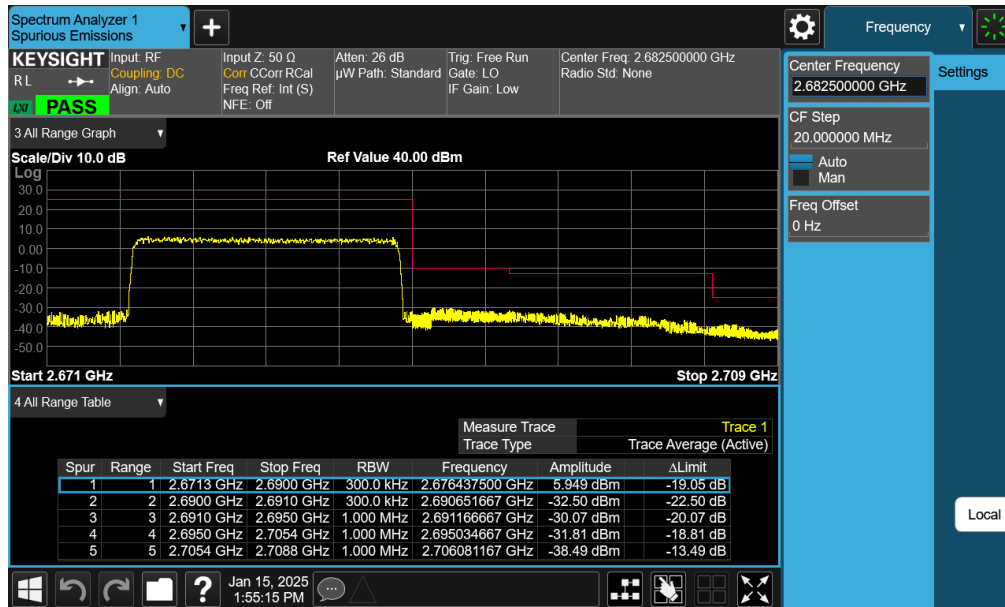
Plot 7-124. Upper ACP Plot (LTE Band 7 - 15MHz QPSK – Full RB - Ant 2)

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 41(PC3)/38 – Ant 2



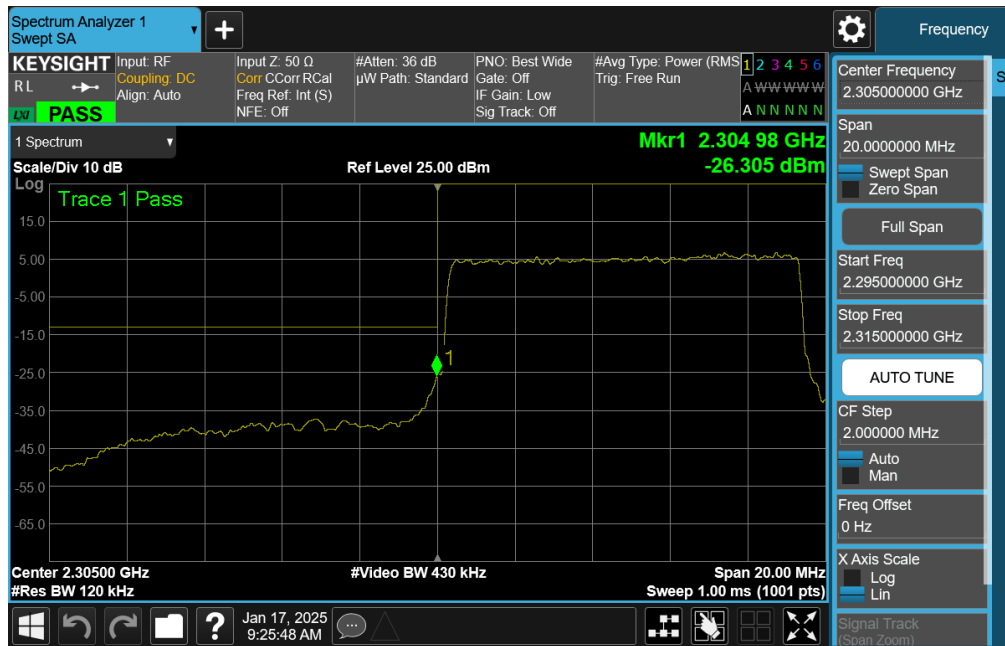
Plot 7-125. Lower ACP Plot (LTE Band 41(PC3)/38 - 15MHz QPSK – Full RB - Ant 2)



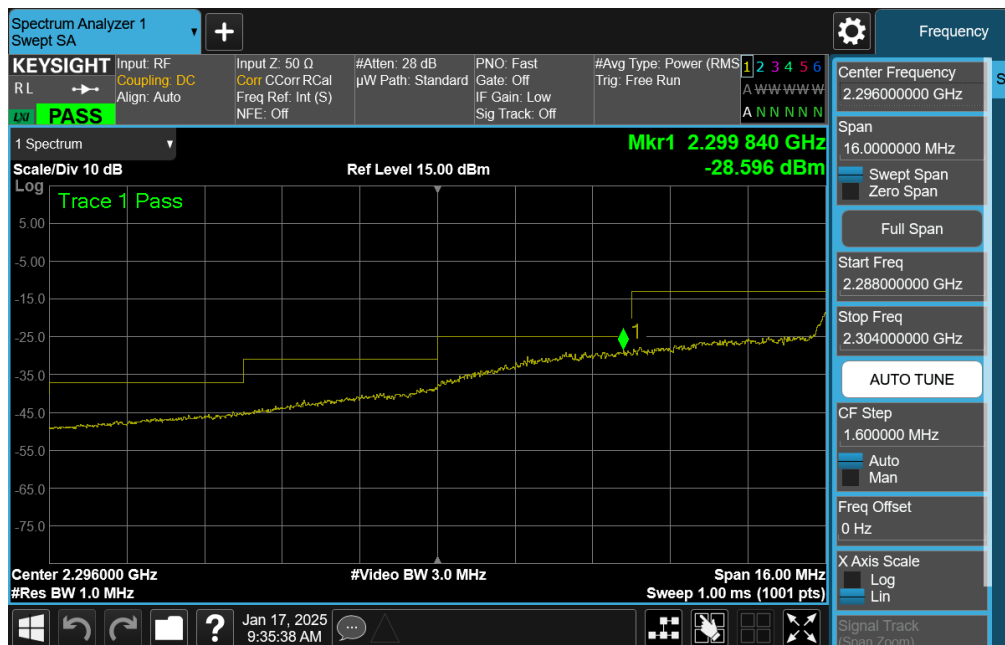
Plot 7-126. Upper ACP Plot (LTE Band 41(PC3)/38 - 15MHz QPSK – Full RB - Ant 2)

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n30 – Ant 2

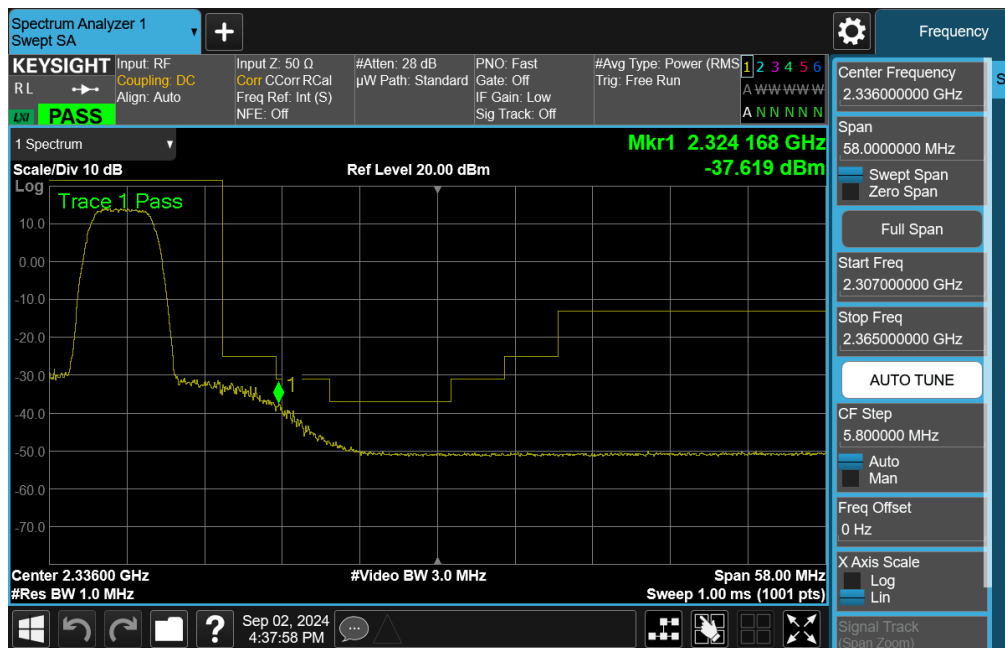
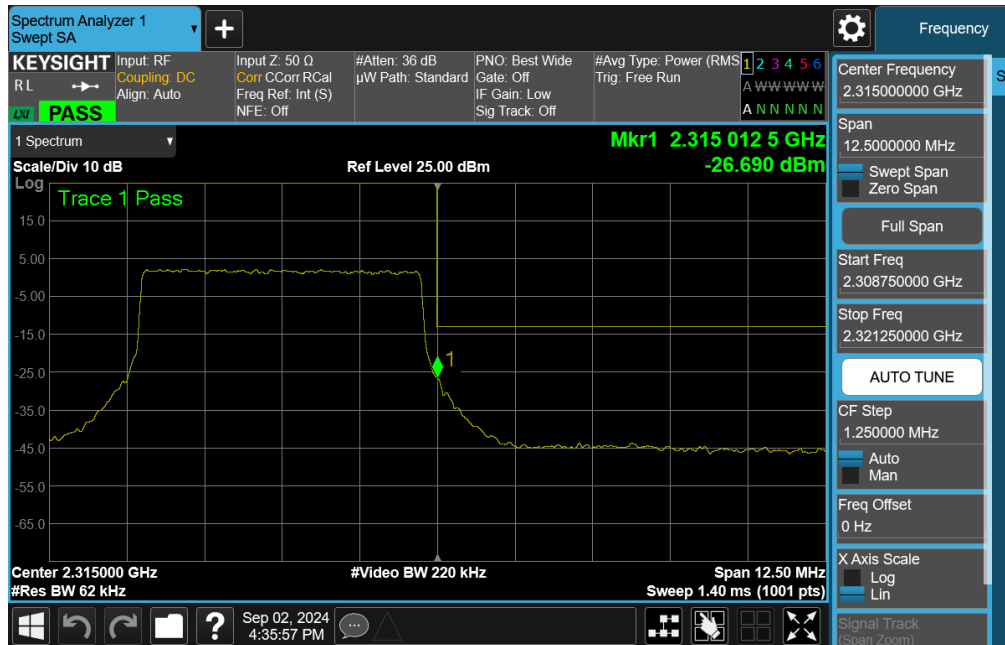


Plot 7-127. Lower Band Edge Plot (NR Band n30 - 10MHz DFT-s-OFDM-BPSK – Full RB - Ant 2)



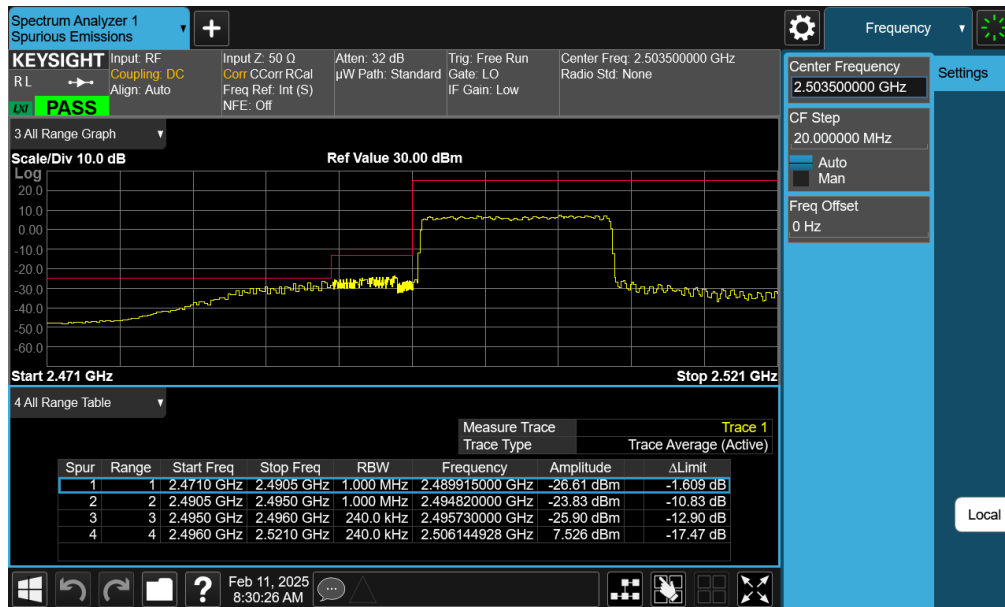
Plot 7-128. Extended Lower Band Edge Plot (NR Band n30 - 10MHz CP-OFDM-QPSK – Full RB - Ant 2)

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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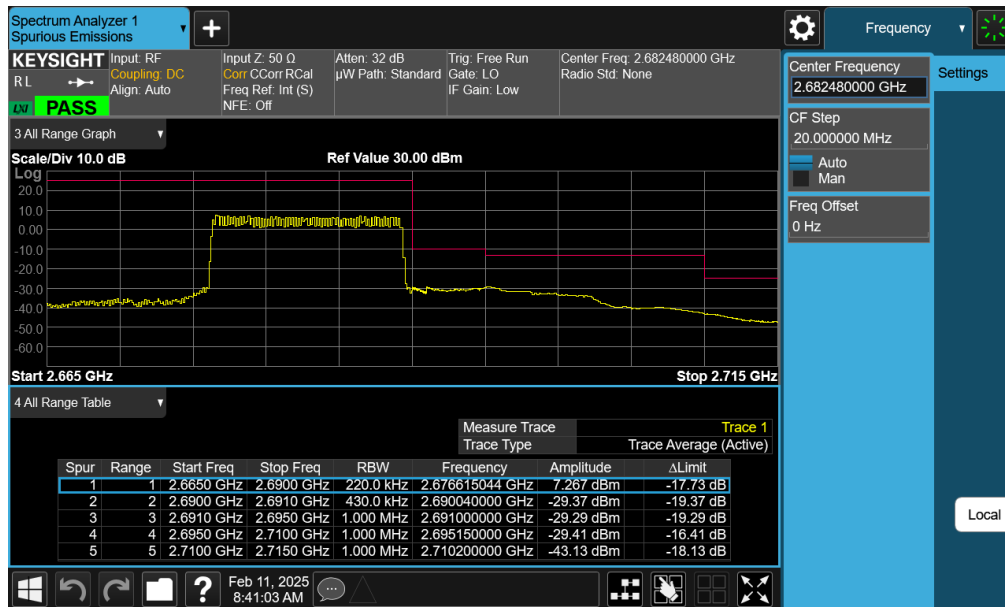


FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n41 – Ant 2



Plot 7-131. Lower Band Edge Plot (NR Band n41 - 15MHz DFT-s-OFDM-QPSK – Full RB - Ant 2)



Plot 7-132. Upper Band Edge Plot (NR Band n41 - 15MHz DFT-s-OFDM-QPSK – Full RB - Ant 2)

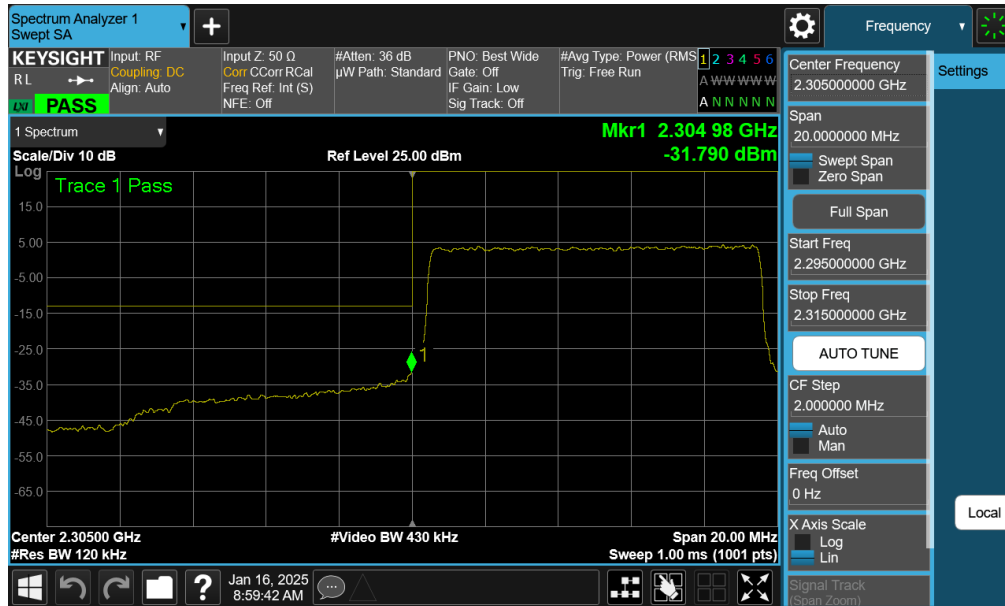
FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
LTE-B30	10MHz	Low	Band Edge	-31.79	-13	-18.79
		Low	Extended	-39.23	-37	-2.23
		High	Band Edge	-29.18	-13	-16.18
		High	Extended	-27.67	-25	-2.67
	5MHz	Low	Band Edge	-26.03	-13	-13.03
		Low	Extended	-24.87	-13	-11.87
		High	Band Edge	-47.71	-13	-34.71
		High	Extended	-42.04	-37	-5.04
LTE-B7	20MHz	Low	Band Edge	-38.37	-25	-13.37
		High	Band Edge	-43.37	-25	-18.37
	15MHz	Low	Band Edge	-38.86	-25	-13.86
		High	Band Edge	-42.92	-25	-17.92
	10MHz	Low	Band Edge	-43.32	-25	-18.32
		High	Band Edge	-42.91	-25	-17.91
	5MHz	Low	Band Edge	-42.12	-25	-17.12
		High	Band Edge	-42.01	-25	-17.01
LTE-B41/38 PC3	20MHz	Low	Band Edge	-40.53	-25	-15.53
		High	Band Edge	-49.29	-25	-24.29
	15MHz	Low	Band Edge	-36.47	-25	-11.47
		High	Band Edge	-45.95	-25	-20.95
	10MHz	Low	Band Edge	-39.46	-25	-14.46
		High	Band Edge	-47.39	-25	-22.39
	5MHz	Low	Band Edge	-48.10	-25	-23.10
		High	Band Edge	-46.27	-25	-21.27
NR-n30	10MHz	Low	Band Edge	-27.71	-13	-14.71
		Low	Extended	-29.21	-25	-4.20
		High	Band Edge	-23.81	-13	-10.81
		High	Extended	-27.31	-25	-2.31
	5MHz	Low	Band Edge	-23.87	-13	-10.87
		Low	Extended	-22.71	-13	-9.71
		High	Band Edge	-25.60	-13	-12.60
		High	Extended	-49.64	-37	-12.64

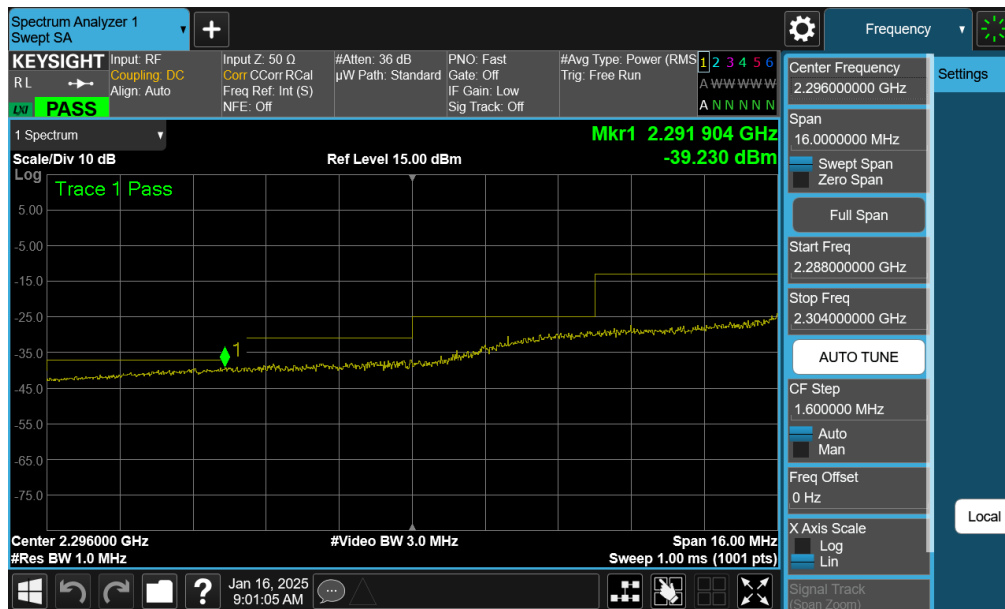
Table 7-9. Conducted Band Edge Test Results – LTE – Ant 4

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LTE Band 30 – Ant 4

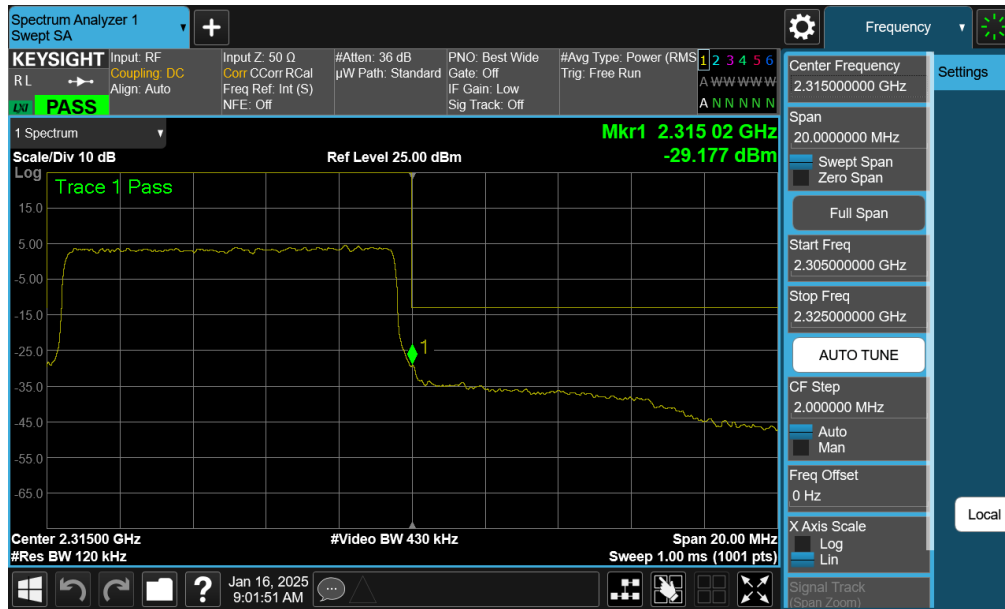


Plot 7-133. Lower Band Edge Plot (LTE Band 30 - 10MHz QPSK – Full RB - Ant 4)

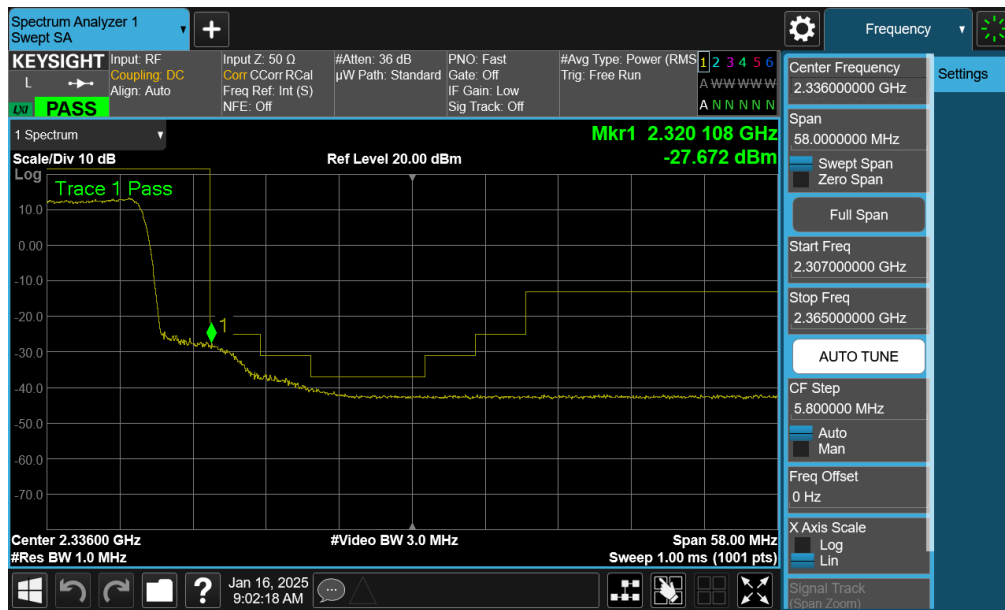


Plot 7-134. Extended Lower Band Edge Plot (LTE Band 30 - 10MHz QPSK – Full RB - Ant 4)

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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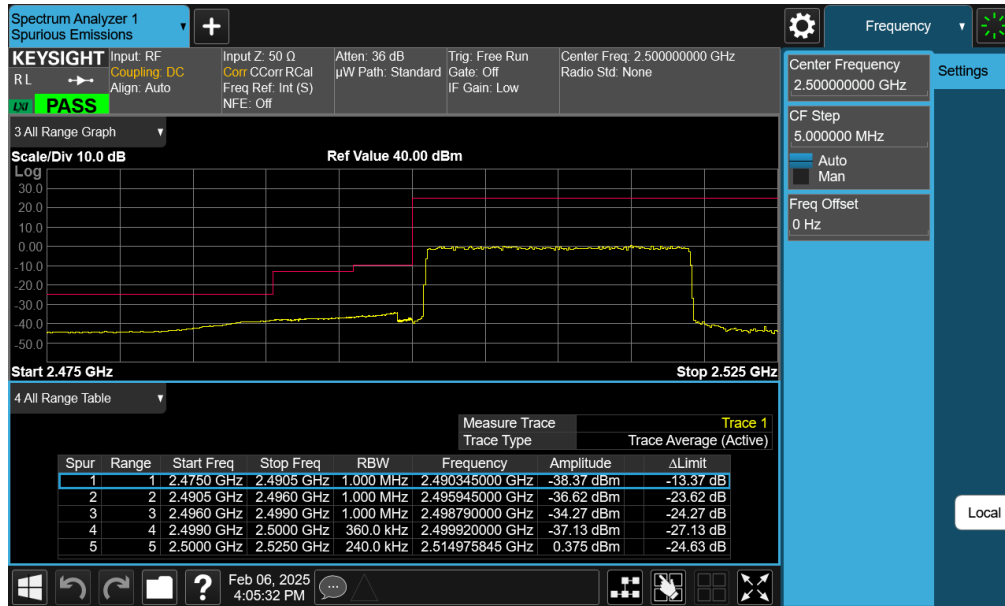
Plot 7-135. Upper Band Edge Plot (LTE Band 30 - 10MHz QPSK - Full RB - Ant 4)



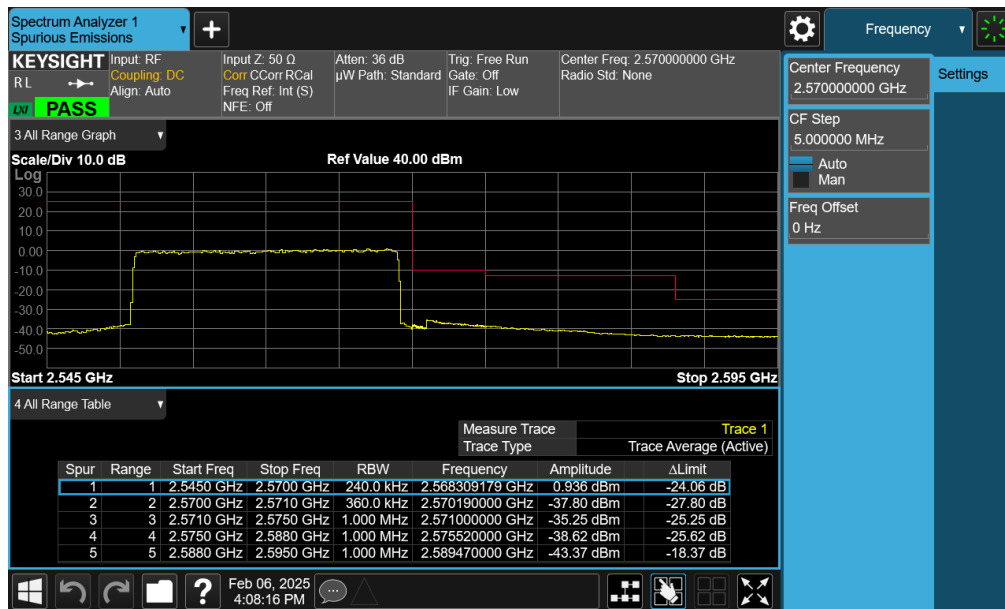
Plot 7-136. Extended Upper Band Edge Plot (LTE Band 30 - 10MHz QPSK - Full RB - Ant 4)

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 7 – Ant 4



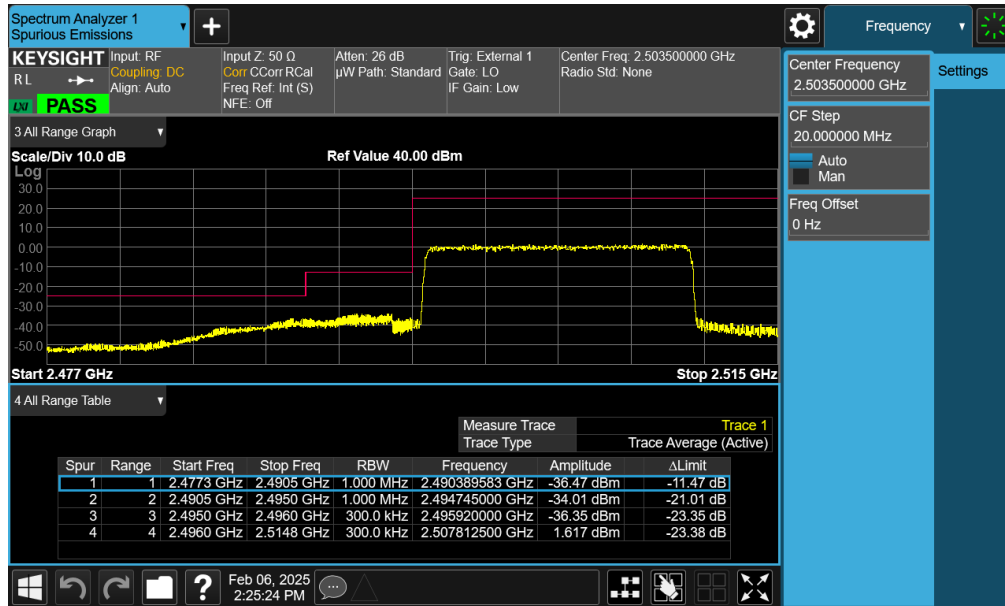
Plot 7-137. Lower ACP Plot (LTE Band 7 - 20MHz QPSK – Full RB - Ant 4)



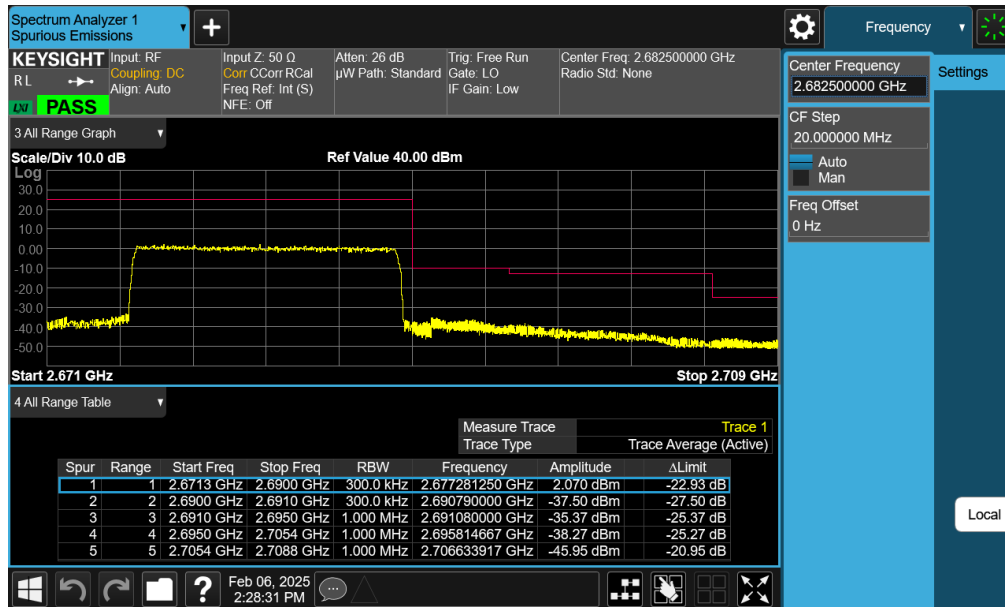
Plot 7-138. Upper ACP Plot (LTE Band 7 - 20MHz QPSK – Full RB - Ant 4)

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 41(PC3)/38 – Ant 4



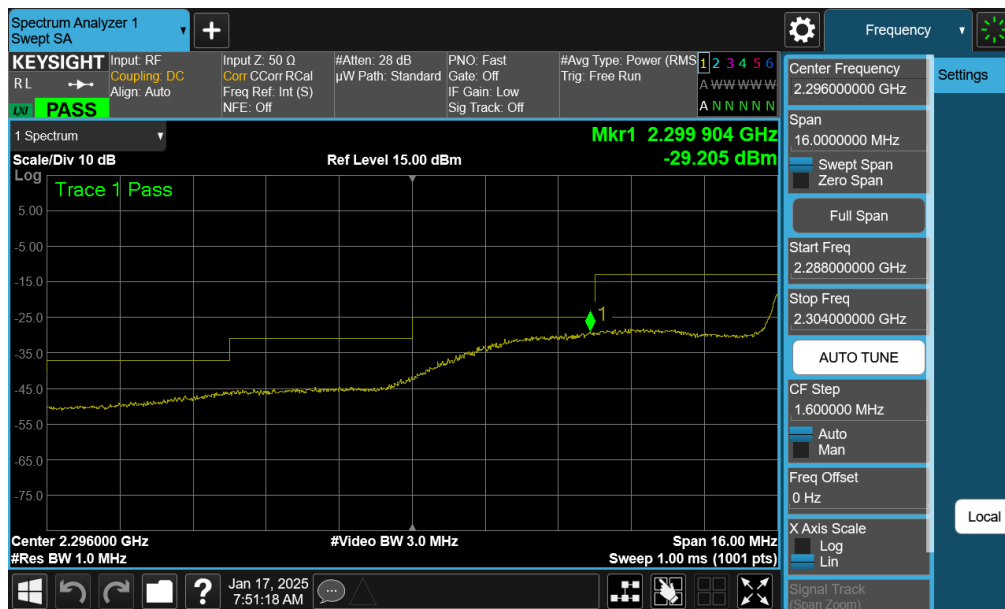
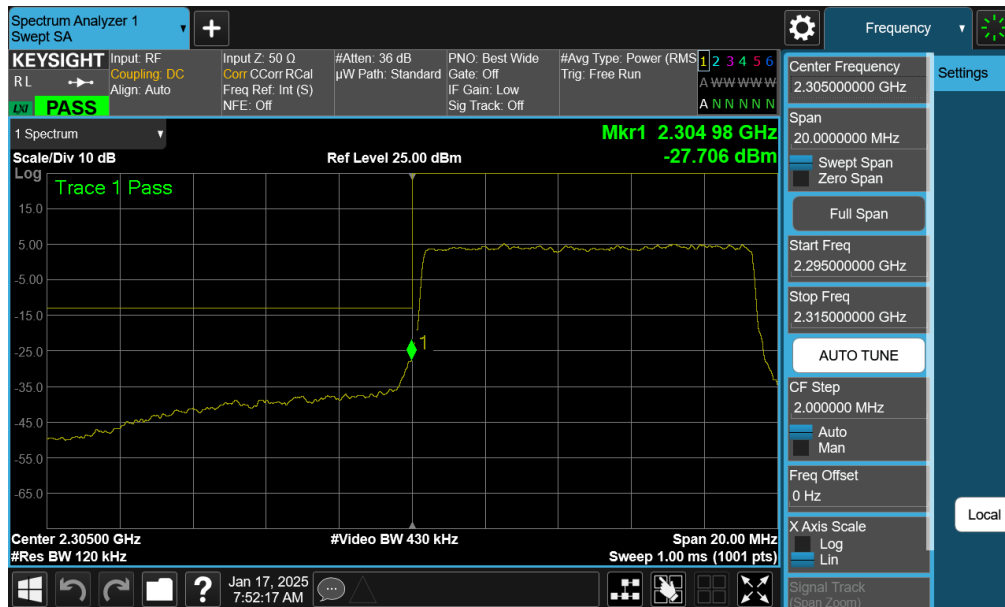
Plot 7-139. Lower ACP Plot (LTE Band 41(PC3)/38 - 15MHz QPSK – Full RB - Ant 4)



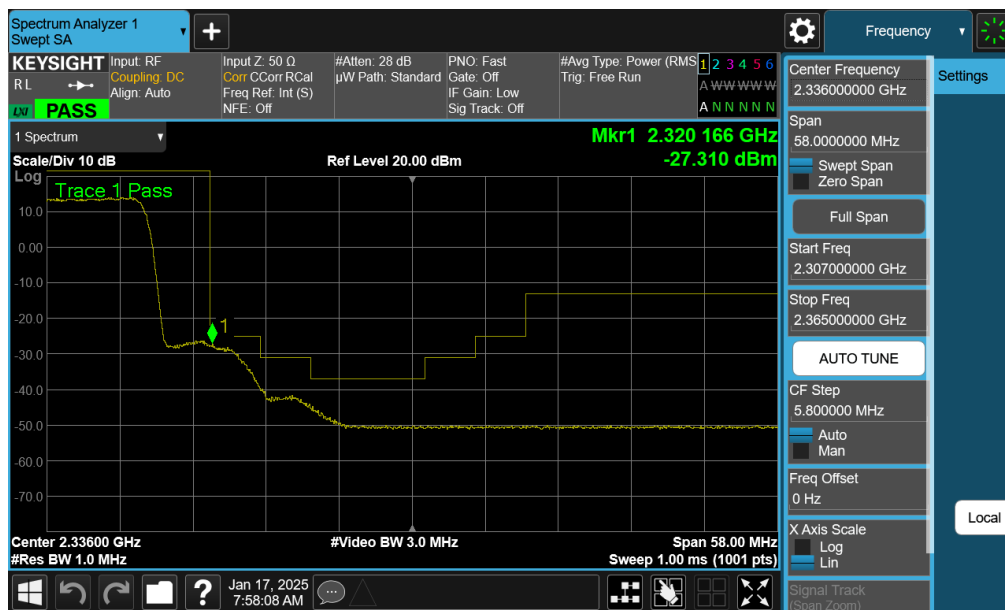
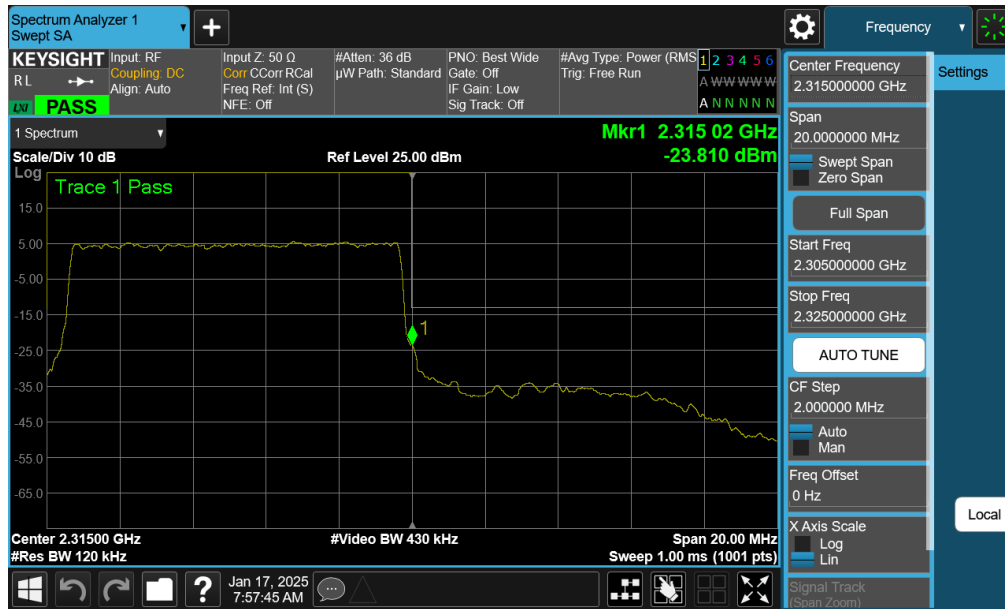
Plot 7-140. Upper ACP Plot (LTE Band 41(PC3)/38 - 15MHz QPSK – Full RB - Ant 4)

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n30 – Ant 4



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7.6 Radiated Power (EIRP)

Test Overview

Equivalent Isotropic Radiated Power (EIRP) measurements are performed using the substitution method described in ANSI C63.26-2015 with the EUT transmitting into an integral antenna. Measurements are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed as RMS average measurements while the EUT is operating at maximum power, and at the appropriate frequencies.

Test Procedures Used

ANSI C63.26-2015 – Section 5.2.4.4

Test Settings

1. Radiated power measurements are performed using the signal analyzer's "channel power" measurement capability for signals with continuous operation. For signals with burst transmission, the signal analyzer's "time domain power" measurement capability is used
2. RBW = 1 – 5% of the expected OBW, not to exceed 1MHz
3. VBW $\geq 3 \times$ RBW
4. Span = 1.5 times the OBW
5. No. of sweep points $\geq 2 \times$ span / RBW
6. Detector = RMS
7. Trigger is set to "free run" for signals with continuous operation with the sweep times set to "auto". Trigger is set to enable triggering only on full power bursts with the sweep time set less than or equal to the transmission burst duration.
8. The integration bandwidth was roughly set equal to the measured OBW of the signal for signals with continuous operation. For signals with burst transmission, the "gating" function was enabled to ensure that measurements are performed during times in which the transmitter is operating at its maximum power.
9. Trace mode = trace averaging (RMS) over 100 sweeps
10. The trace was allowed to stabilize.

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Test Setup

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

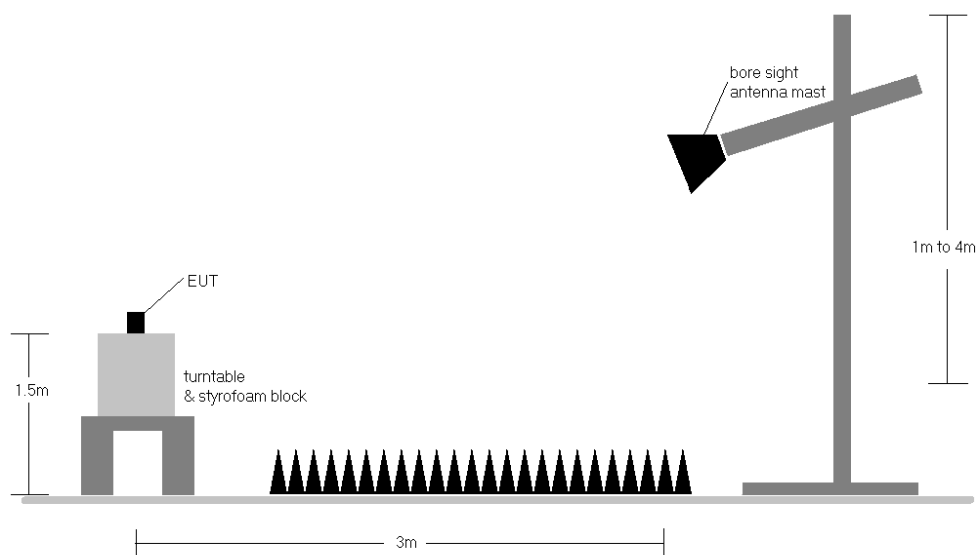


Figure 7-5. Radiated Test Setup >1GHz

Test Notes

- 1) The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst-case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
- 2) This unit was tested with its standard battery.
- 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.

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Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	QPSK	2310.0	V	178	78	9.00	1 / 49	13.04	22.04	0.160	23.98	-1.94
	16-QAM	2310.0	V	178	78	9.00	1 / 49	12.00	21.00	0.126	23.98	-2.98
5 MHz	QPSK	2307.5	V	178	78	9.00	1 / 24	12.27	21.27	0.134	23.98	-2.71
	QPSK	2310.0	V	178	78	9.00	1 / 24	12.93	21.94	0.156	23.98	-2.04
	QPSK	2312.5	V	178	78	9.00	1 / 12	13.09	22.09	0.162	23.98	-1.89
	16-QAM	2307.5	V	178	78	9.00	1 / 24	11.41	20.41	0.110	23.98	-3.57
	16-QAM	2310.0	V	178	78	9.00	1 / 24	12.13	21.13	0.130	23.98	-2.85
	16-QAM	2312.5	V	178	78	9.00	1 / 12	12.08	21.08	0.128	23.98	-2.90

Table 7-10. EIRP Data (LTE Band 30 – Ant 2)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	QPSK	2510.0	H	107	227	9.11	1 / 50	13.07	22.18	0.165	33.01	-10.84
	QPSK	2535.0	H	101	226	9.15	1 / 50	13.35	22.50	0.178	33.01	-10.51
	QPSK	2560.0	H	106	228	9.19	1 / 99	13.20	22.39	0.173	33.01	-10.62
	16-QAM	2510.0	H	107	227	9.11	1 / 50	12.34	21.45	0.139	33.01	-11.57
	16-QAM	2535.0	H	101	226	9.15	1 / 50	12.71	21.86	0.153	33.01	-11.15
	16-QAM	2560.0	H	106	228	9.19	1 / 99	12.38	21.57	0.144	33.01	-11.44
15 MHz	QPSK	2507.5	H	107	227	9.10	1 / 0	13.02	22.12	0.163	33.01	-10.89
	QPSK	2535.0	H	101	226	9.15	1 / 74	13.42	22.57	0.181	33.01	-10.44
	QPSK	2562.5	H	106	228	9.19	1 / 37	13.25	22.44	0.175	33.01	-10.57
	16-QAM	2507.5	H	107	227	9.10	1 / 0	12.57	21.67	0.147	33.01	-11.34
	16-QAM	2535.0	H	101	226	9.15	1 / 74	12.47	21.62	0.145	33.01	-11.39
	16-QAM	2562.5	H	106	228	9.19	1 / 37	12.62	21.82	0.152	33.01	-11.19
10 MHz	QPSK	2505.0	H	107	227	9.10	1 / 0	13.13	22.23	0.167	33.01	-10.78
	QPSK	2535.0	H	101	226	9.15	1 / 49	13.52	22.66	0.185	33.01	-10.35
	QPSK	2565.0	H	106	228	9.20	1 / 25	13.36	22.56	0.180	33.01	-10.45
	16-QAM	2505.0	H	107	227	9.10	1 / 0	12.66	21.75	0.150	33.01	-11.26
	16-QAM	2535.0	H	101	226	9.15	1 / 49	12.64	21.78	0.151	33.01	-11.23
	16-QAM	2565.0	H	106	228	9.20	1 / 25	12.57	21.77	0.150	33.01	-11.24
5 MHz	QPSK	2502.5	H	107	227	9.09	1 / 12	13.27	22.36	0.172	33.01	-10.65
	QPSK	2535.0	H	101	226	9.15	1 / 24	13.48	22.62	0.183	33.01	-10.39
	QPSK	2567.5	H	106	228	9.20	1 / 12	13.47	22.67	0.185	33.01	-10.34
	16-QAM	2502.5	H	107	227	9.09	1 / 12	12.34	21.43	0.139	33.01	-11.58
	16-QAM	2535.0	H	101	226	9.15	1 / 24	12.63	21.78	0.151	33.01	-11.23
	16-QAM	2567.5	H	106	228	9.20	1 / 12	12.74	21.95	0.157	33.01	-11.06

Table 7-11. EIRP Data (LTE Band 7 – Ant 2)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	QPSK	2506.0	H	162	224	9.10	1 / 99	13.34	22.44	0.175	33.01	-10.57
	QPSK	2593.0	H	154	222	9.25	1 / 50	13.16	22.41	0.174	33.01	-10.61
	QPSK	2680.0	H	162	225	9.39	1 / 50	13.69	23.08	0.203	33.01	-9.93
	16-QAM	2506.0	H	162	224	9.10	1 / 50	12.70	21.80	0.151	33.01	-11.21
	16-QAM	2593.0	H	154	222	9.25	1 / 50	12.38	21.63	0.145	33.01	-11.39
	16-QAM	2680.0	H	162	225	9.39	1 / 50	12.45	21.84	0.153	33.01	-11.17
15 MHz	QPSK	2503.5	H	162	224	9.09	1 / 37	13.36	22.46	0.176	33.01	-10.55
	QPSK	2593.0	H	154	222	9.25	1 / 74	13.08	22.33	0.171	33.01	-10.69
	QPSK	2682.5	H	162	225	9.39	1 / 0	13.64	23.03	0.201	33.01	-9.98
	16-QAM	2503.5	H	162	224	9.09	1 / 37	12.71	21.81	0.152	33.01	-11.20
	16-QAM	2593.0	H	154	222	9.25	1 / 74	12.35	21.60	0.144	33.01	-11.42
	16-QAM	2682.5	H	162	225	9.39	1 / 0	13.42	22.81	0.191	33.01	-10.20
10 MHz	QPSK	2501.0	H	162	224	9.09	1 / 25	13.52	22.61	0.182	33.01	-10.40
	QPSK	2593.0	H	154	222	9.25	1 / 25	13.17	22.42	0.174	33.01	-10.60
	QPSK	2685.0	H	162	225	9.39	1 / 25	13.71	23.11	0.204	33.01	-9.90
	16-QAM	2501.0	H	162	224	9.09	1 / 25	12.81	21.90	0.155	33.01	-11.11
	16-QAM	2593.0	H	154	222	9.25	1 / 25	12.42	21.67	0.147	33.01	-11.35
	16-QAM	2685.0	H	162	225	9.39	1 / 25	13.46	22.86	0.193	33.01	-10.15
5 MHz	QPSK	2498.5	H	162	224	9.09	1 / 12	13.56	22.65	0.184	33.01	-10.36
	QPSK	2593.0	H	154	222	9.25	1 / 12	13.19	22.44	0.175	33.01	-10.58
	QPSK	2687.5	H	162	225	9.40	1 / 12	13.62	23.02	0.200	33.01	-9.99
	16-QAM	2498.5	H	162	224	9.09	1 / 12	12.82	21.91	0.155	33.01	-11.10
	16-QAM	2593.0	H	154	222	9.25	1 / 12	12.42	21.67	0.147	33.01	-11.35
	16-QAM	2687.5	H	162	225	9.40	1 / 12	13.38	22.78	0.190	33.01	-10.23

Table 7-12. EIRP Data (LTE Band 41(PC3)/38 – Ant 2)

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