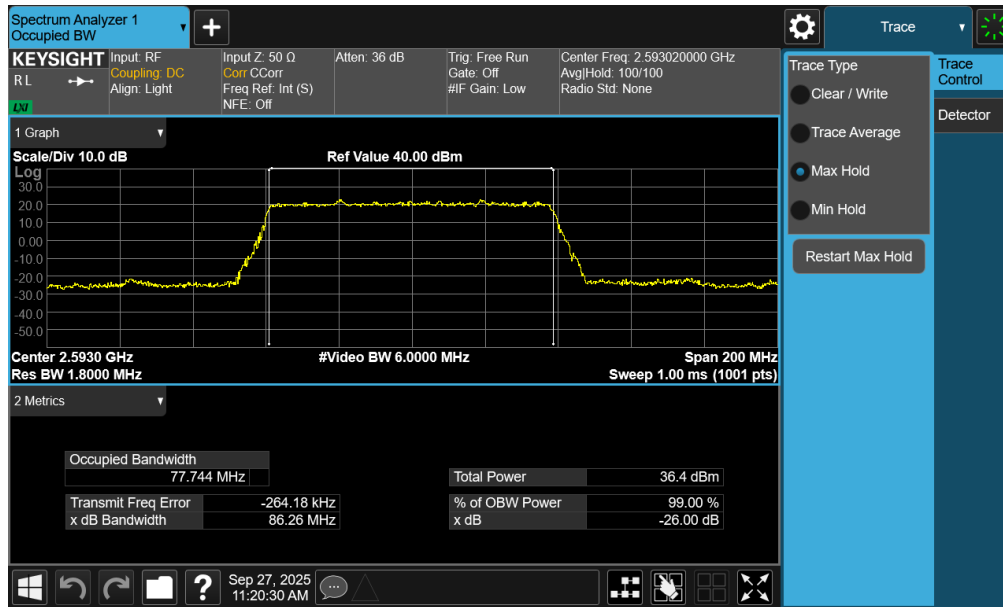
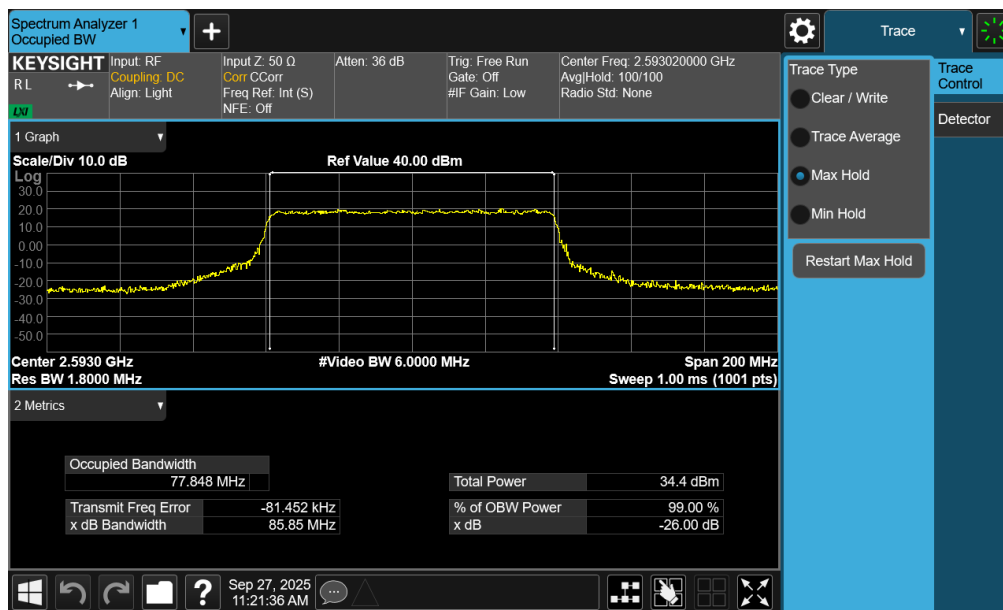


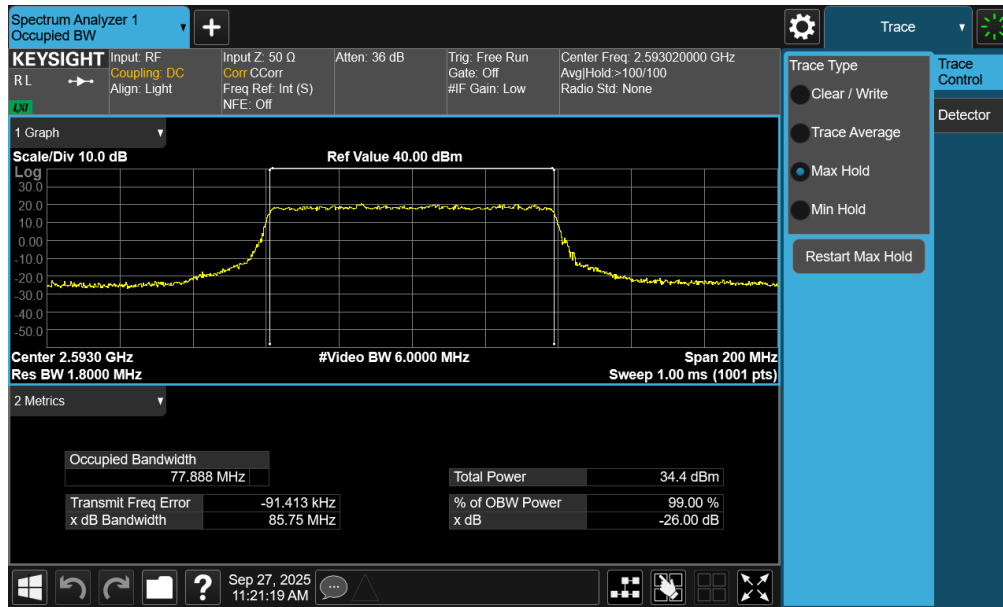


Plot 7-72. Occupied Bandwidth Plot (NR Band n41 PC3 – 80MHz $\pi/2$ BPSK – Full RB – Ant2)

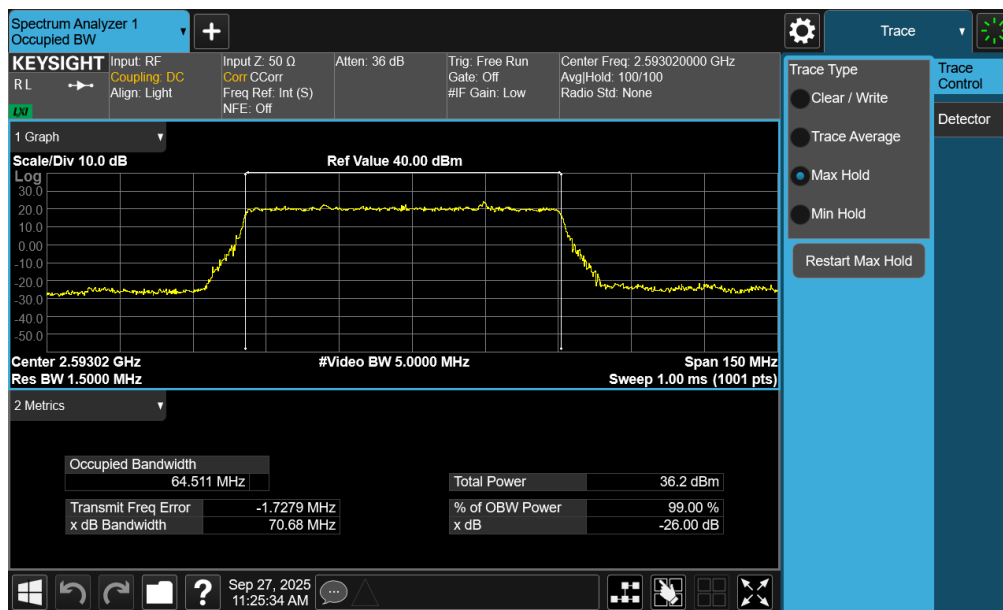


Plot 7-73. Occupied Bandwidth Plot (NR Band n41 PC3 – 80MHz QPSK – Full RB – Ant2)

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 66 of 134

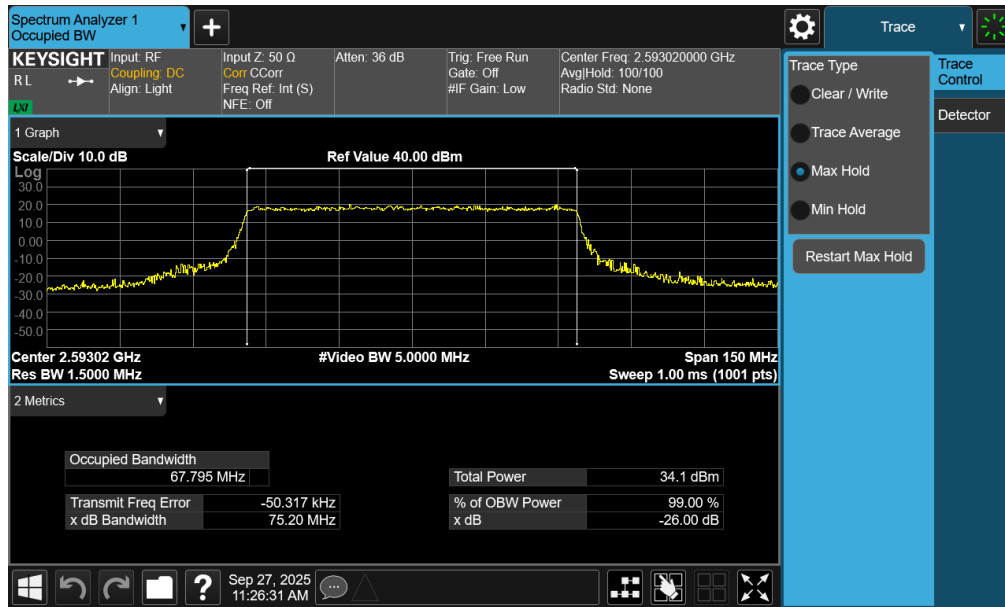


Plot 7-74. Occupied Bandwidth Plot (NR Band n41 PC3 – 80MHz 16-QAM – Full RB – Ant2)

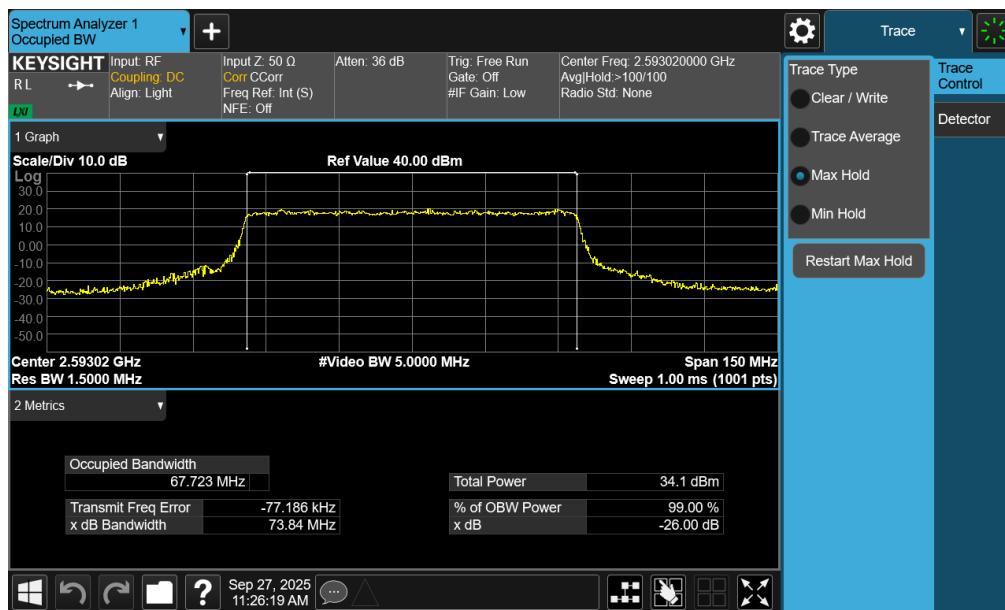


Plot 7-75. Occupied Bandwidth Plot (NR Band n41 PC3 – 70MHz $\pi/2$ BPSK – Full RB – Ant2)

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 67 of 134

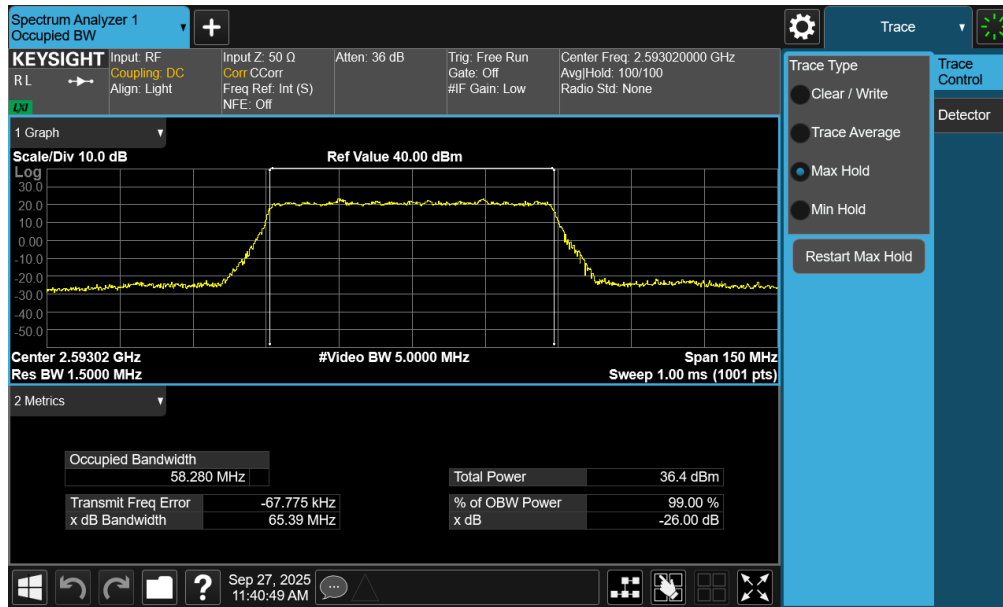


Plot 7-76. Occupied Bandwidth Plot (NR Band n41 PC3 – 70MHz QPSK – Full RB – Ant2)

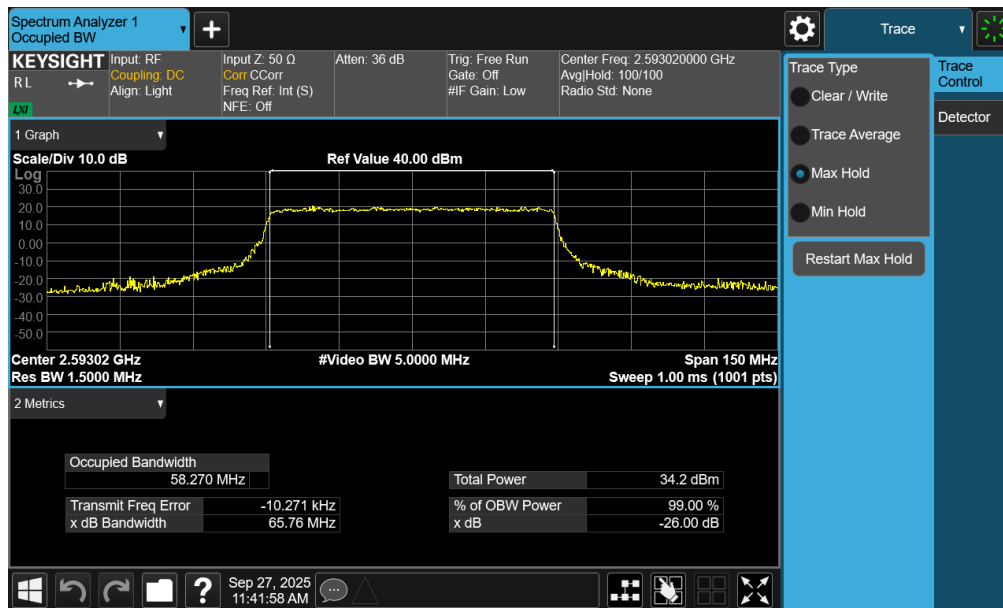


Plot 7-77. Occupied Bandwidth Plot (NR Band n41 PC3 – 70MHz 16-QAM – Full RB – Ant2)

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 68 of 134

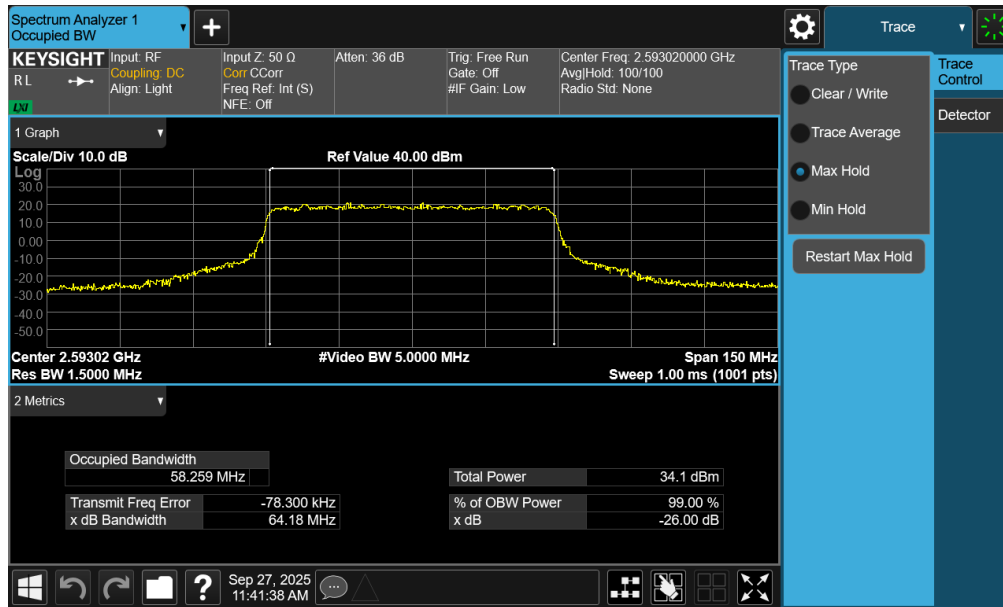


Plot 7-78. Occupied Bandwidth Plot (NR Band n41 PC3 – 60MHz $\pi/2$ BPSK – Full RB – Ant2)

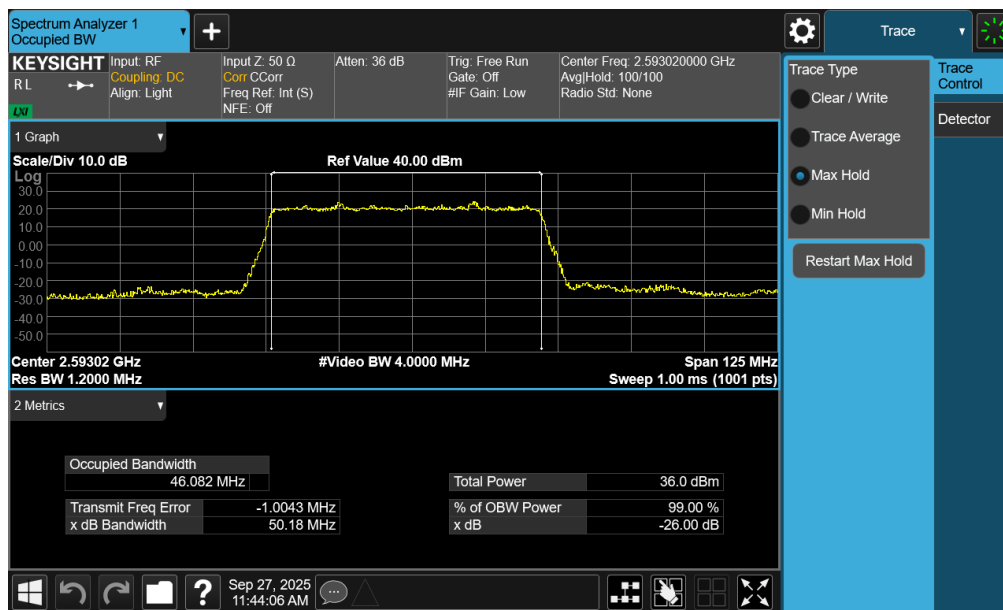


Plot 7-79. Occupied Bandwidth Plot (NR Band n41 PC3 – 60MHz QPSK – Full RB – Ant2)

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 69 of 134

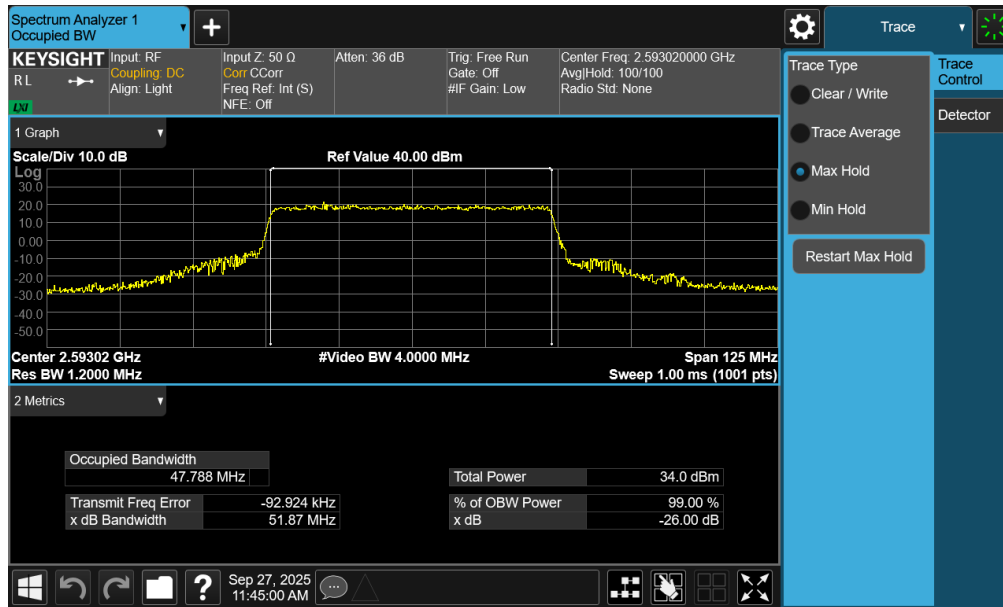


Plot 7-80. Occupied Bandwidth Plot (NR Band n41 PC3 – 60MHz 16-QAM – Full RB – Ant2)

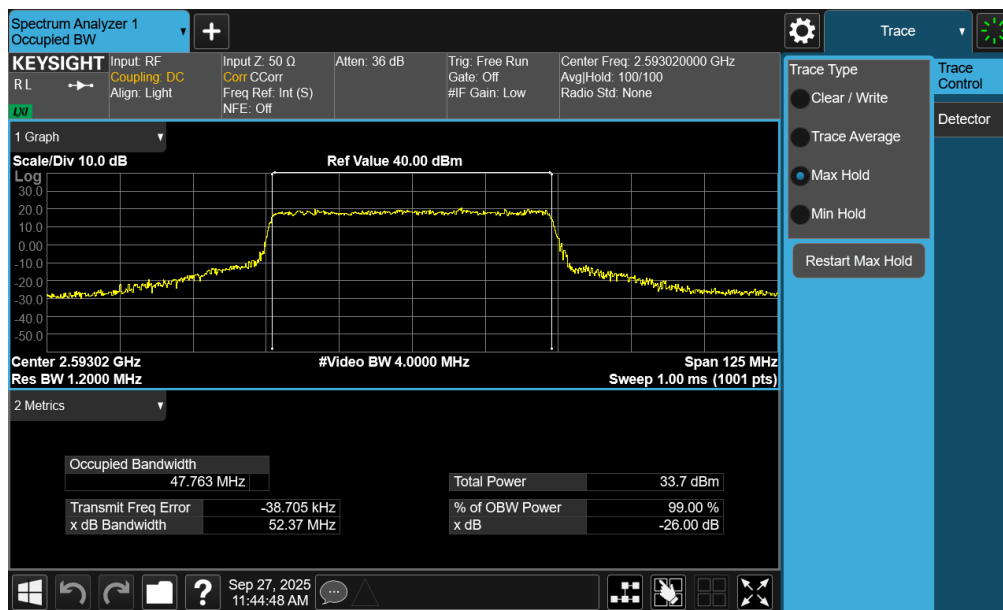


Plot 7-81. Occupied Bandwidth Plot (NR Band n41 PC3 – 50MHz $\pi/2$ BPSK – Full RB – Ant2)

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 70 of 134

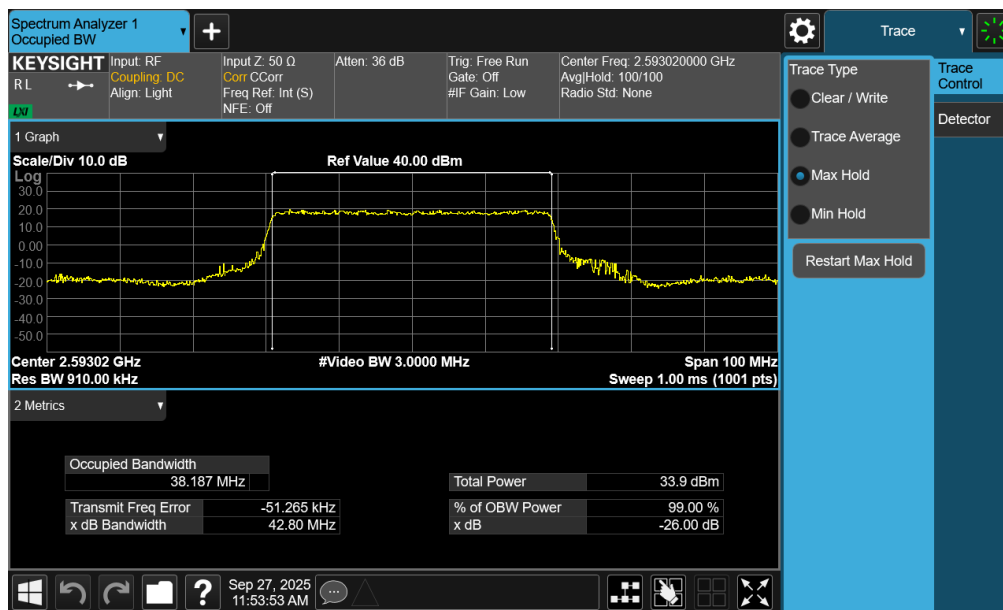
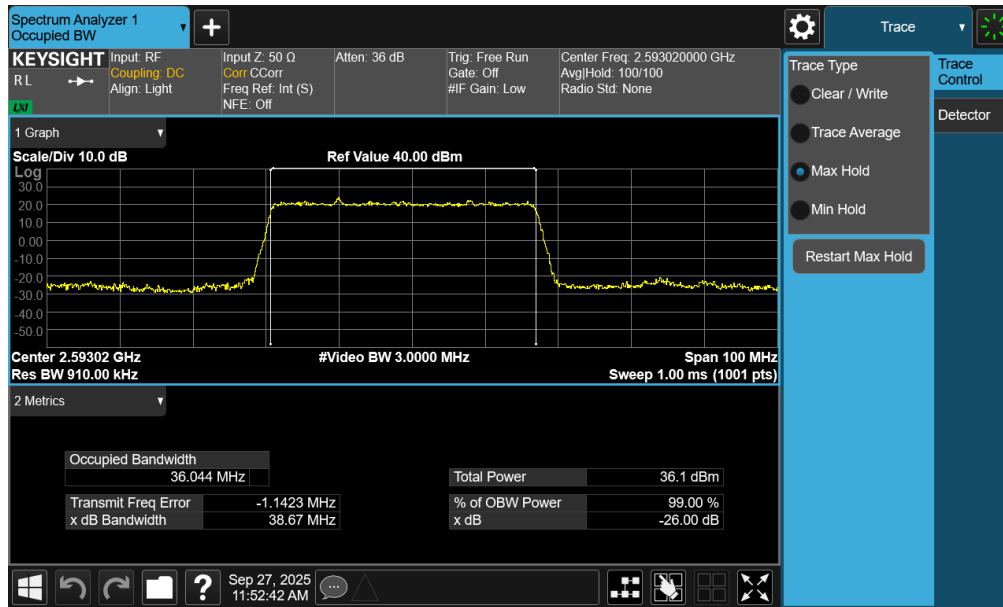


Plot 7-82. Occupied Bandwidth Plot (NR Band n41 PC3 – 50MHz QPSK – Full RB – Ant2)

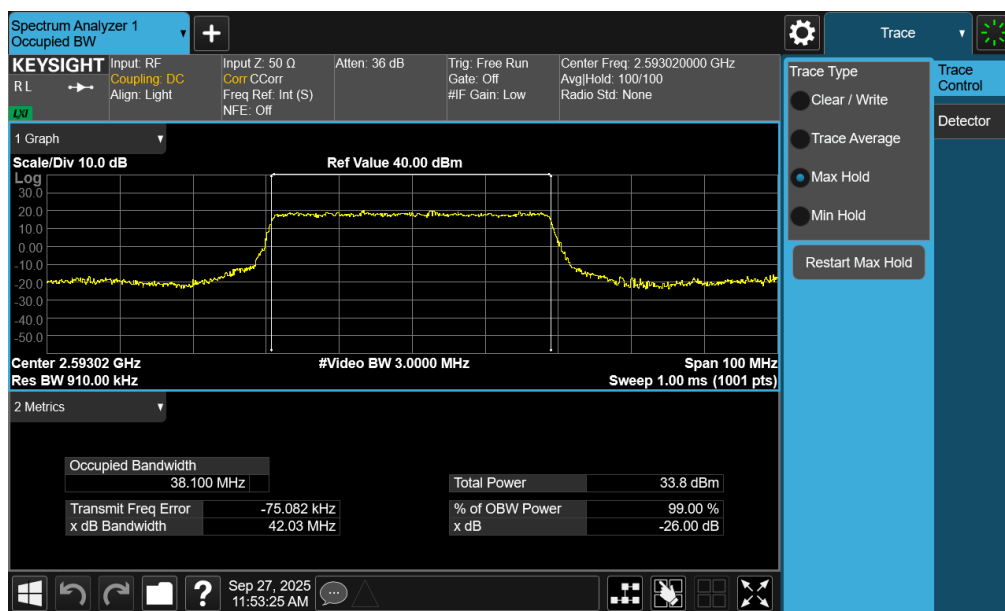


Plot 7-83. Occupied Bandwidth Plot (NR Band n41 PC3 – 50MHz 16-QAM – Full RB – Ant2)

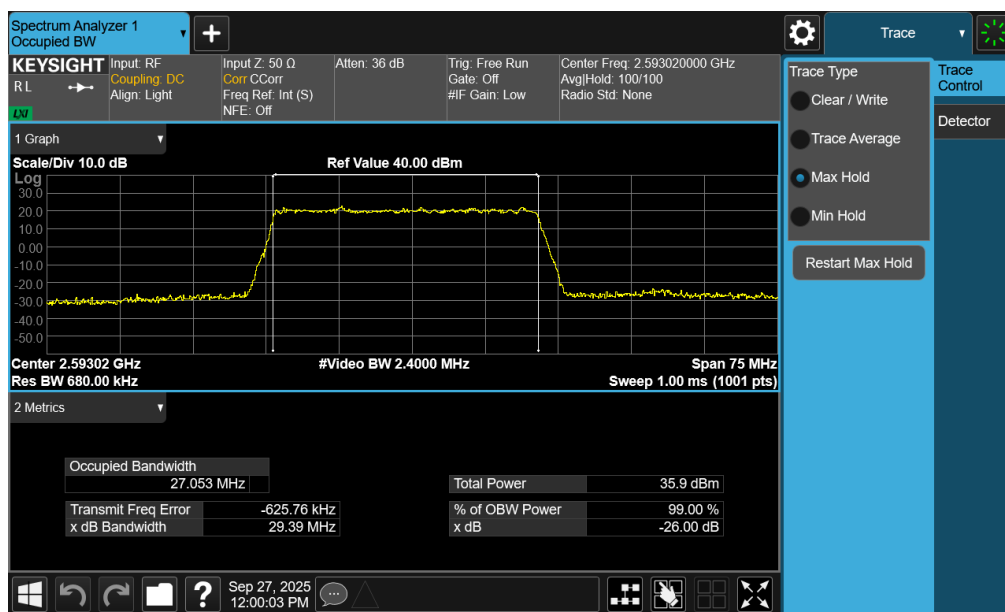
FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 71 of 134



FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 72 of 134

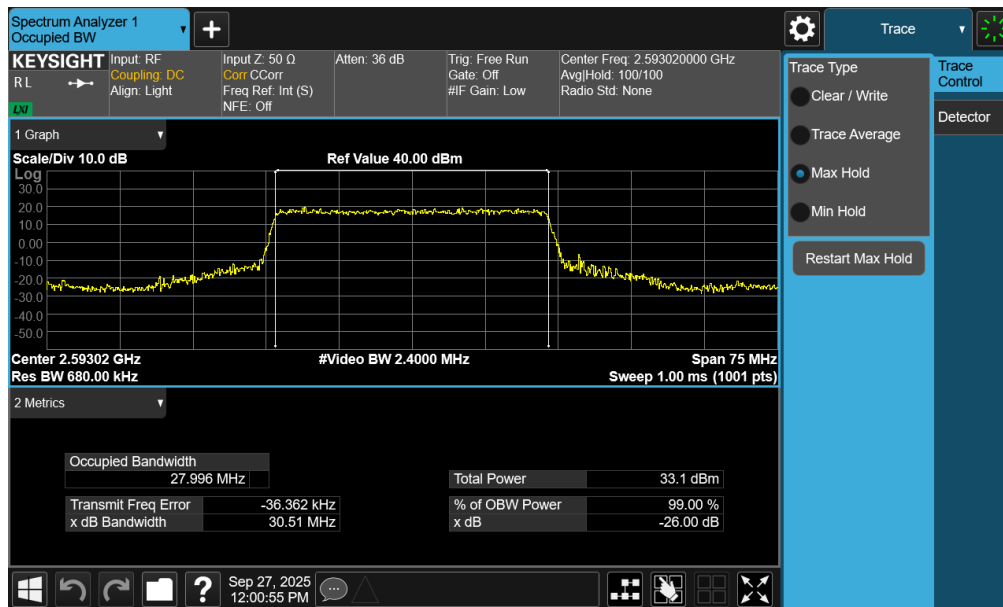


Plot 7-86. Occupied Bandwidth Plot (NR Band n41 PC3 – 40MHz 16-QAM – Full RB – Ant2)

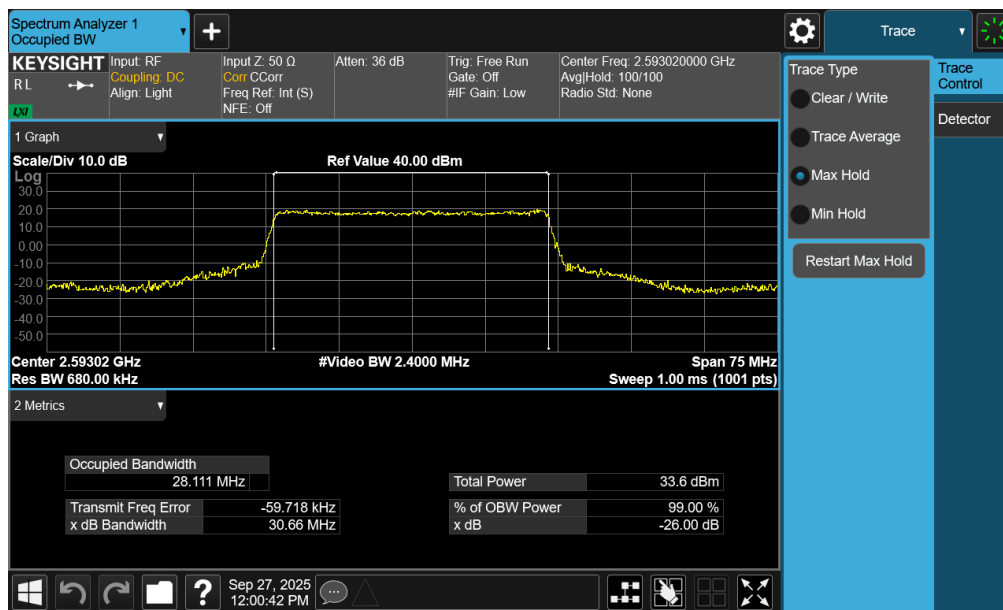


Plot 7-87. Occupied Bandwidth Plot (NR Band n41 PC3 – 30MHz $\pi/2$ BPSK – Full RB – Ant2)

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 73 of 134

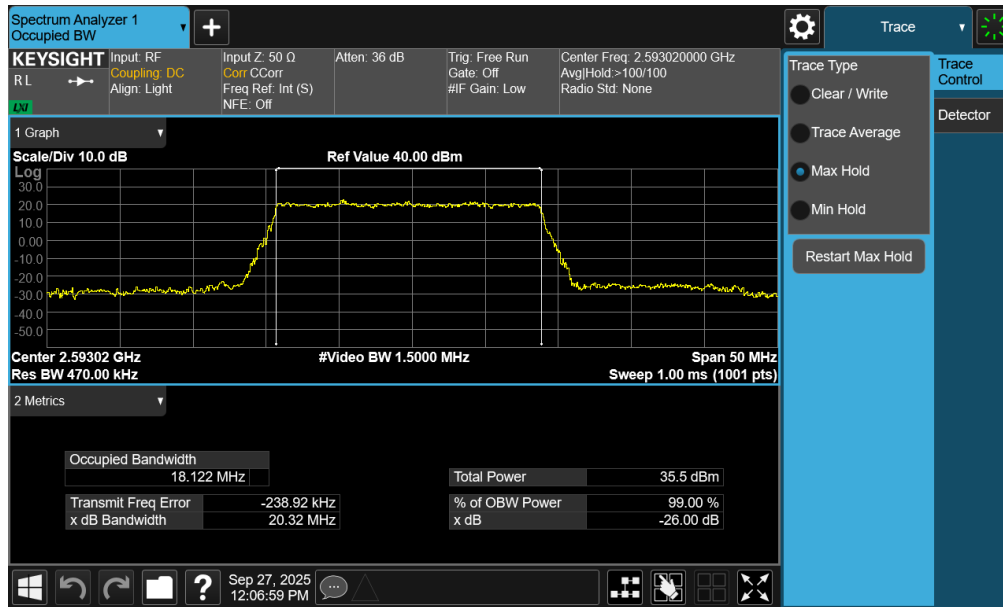


Plot 7-88. Occupied Bandwidth Plot (NR Band n41 PC3 – 30MHz QPSK – Full RB – Ant2)

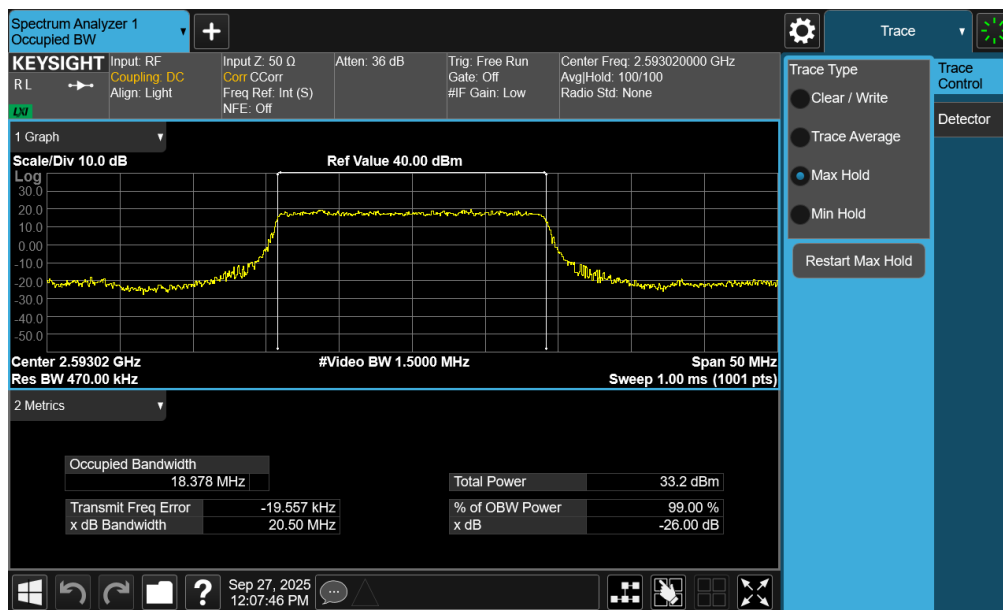


Plot 7-89. Occupied Bandwidth Plot (NR Band n41 PC3 – 30MHz 16-QAM – Full RB – Ant2)

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 74 of 134

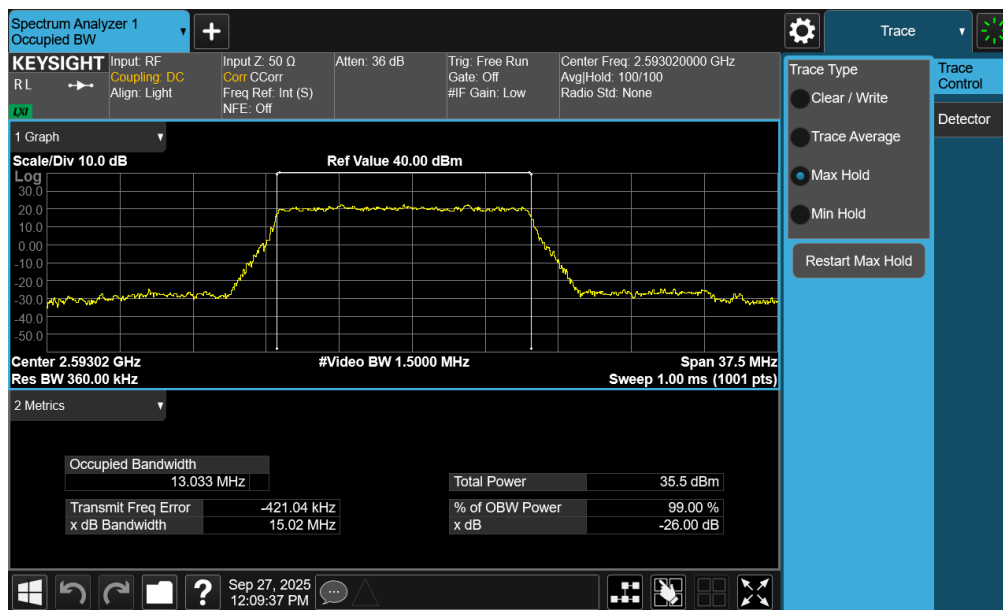
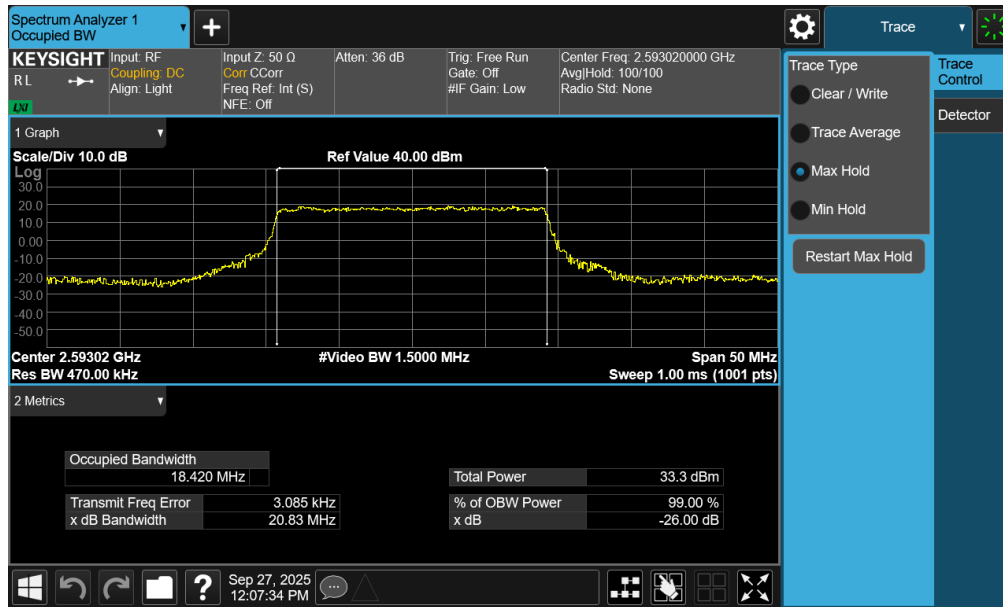


Plot 7-90. Occupied Bandwidth Plot (NR Band n41 PC3 – 20MHz $\pi/2$ BPSK – Full RB – Ant2)

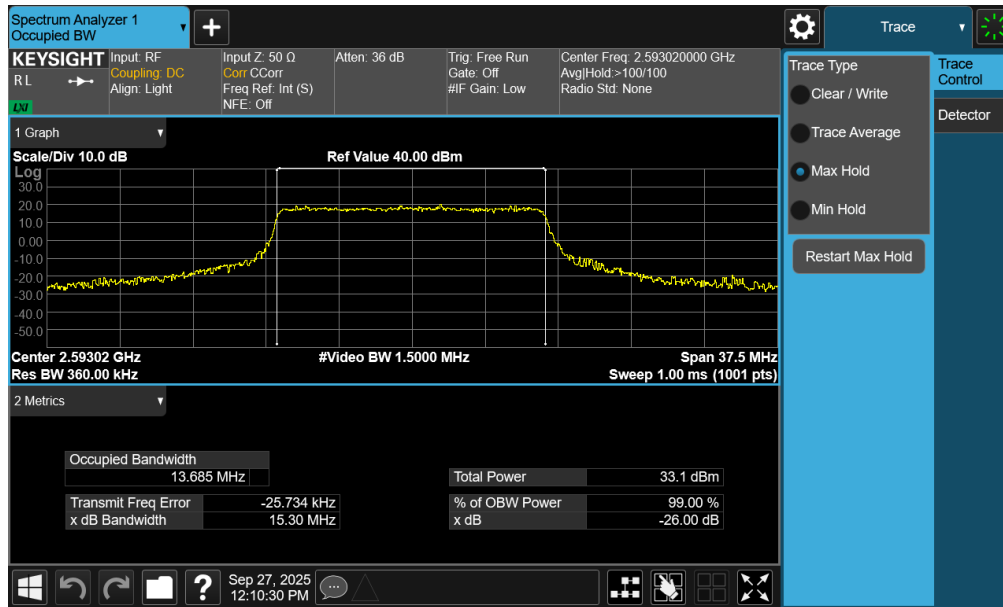


Plot 7-91. Occupied Bandwidth Plot (NR Band n41 PC3 – 20MHz QPSK – Full RB – Ant2)

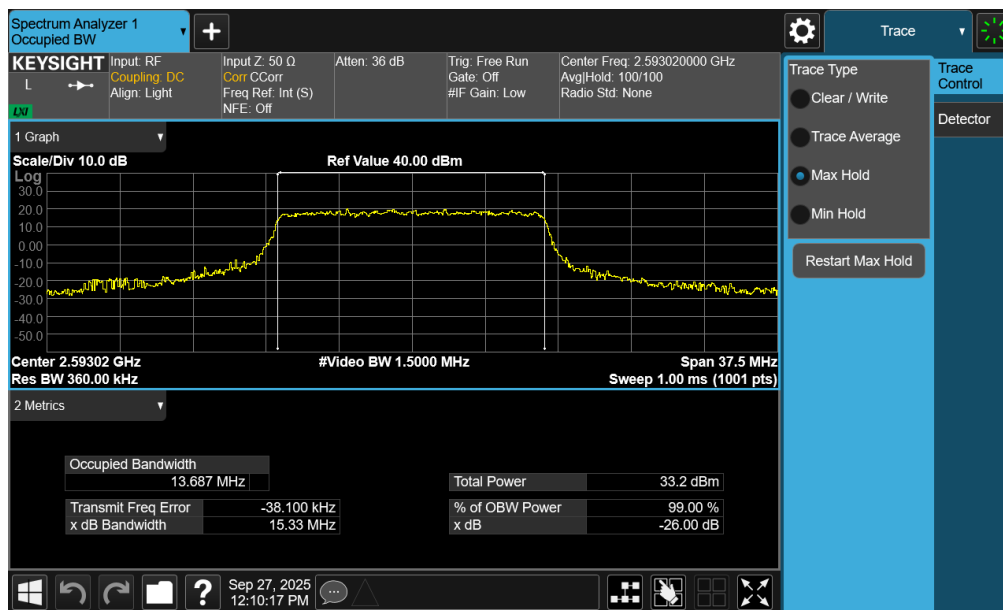
FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 75 of 134



FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 76 of 134

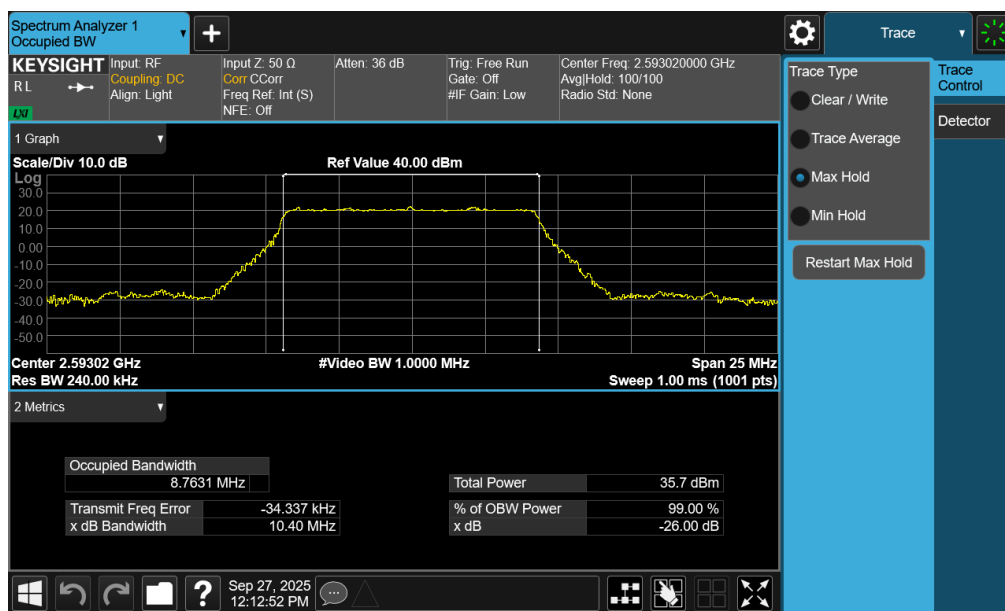


Plot 7-94. Occupied Bandwidth Plot (NR Band n41 PC3 – 15MHz QPSK – Full RB – Ant2)

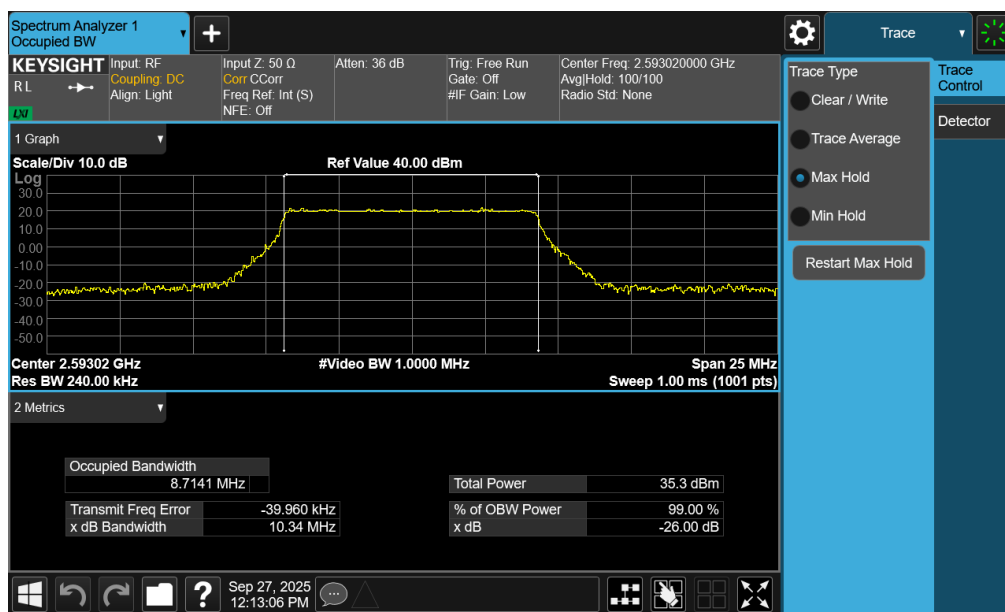


Plot 7-95. Occupied Bandwidth Plot (NR Band n41 PC3 – 15MHz 16-QAM – Full RB – Ant2)

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 77 of 134



Plot 7-96. Occupied Bandwidth Plot (NR Band n41 PC3 – 10MHz $\pi/2$ BPSK – Full RB – Ant2)



Plot 7-97. Occupied Bandwidth Plot (NR Band n41 PC3 – 10MHz QPSK – Full RB – Ant2)

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 78 of 134

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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 $43 + 10 \log_{10}(P_{[Watts]})$, where P is the transmitter power in Watts.

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

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.

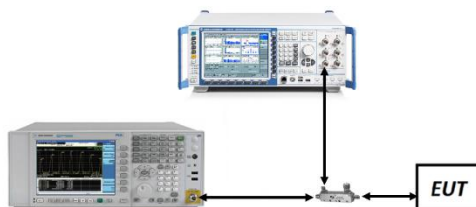


Figure 7-4. Test Instrument & Measurement Setup

Test Notes

1. 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.

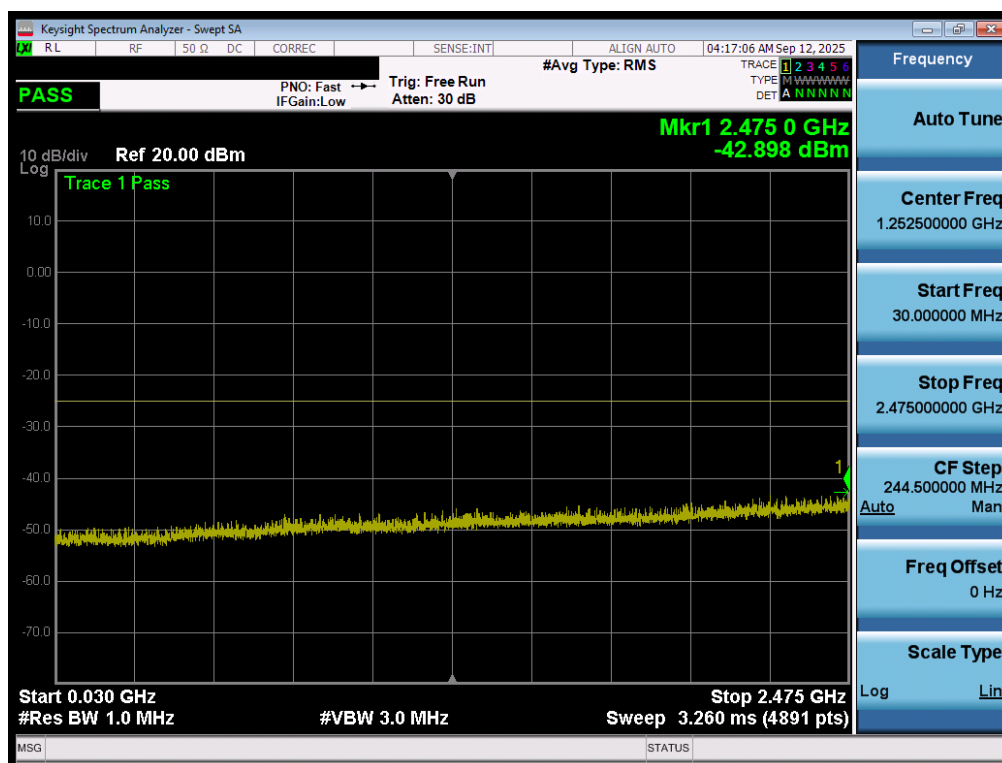
FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 80 of 134

Mode	Bandwidth	Channel	Range [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]
LTE-B41PC2	20MHz	Low	30.0 - 2475.0	-42.90	-25.0	-17.90
		Low	2690.0 - 15000.0	-37.30	-25.0	-12.30
		Low	15000.0 - 27000.0	-51.43	-25.0	-26.43
		Mid	30.0 - 2500.0	-42.56	-25.0	-17.56
		Mid	2690.0 - 15000.0	-37.77	-25.0	-12.77
		Mid	15000.0 - 27000.0	-51.67	-25.0	-26.67
		High	30.0 - 2500.0	-43.83	-25.0	-18.83
		High	2690.0 - 15000.0	-37.81	-25.0	-12.81
		High	15000.0 - 27000.0	-51.38	-25.0	-26.38
LTE-B41PC3	20MHz	Low	30.0 - 2475.0	-42.27	-25.0	-17.27
		Low	2690.0 - 15000.0	-38.03	-25.0	-13.03
		Low	15000.0 - 27000.0	-51.91	-25.0	-26.91
		Mid	30.0 - 2500.0	-43.09	-25.0	-18.09
		Mid	2690.0 - 15000.0	-37.82	-25.0	-12.82
		Mid	15000.0 - 27000.0	-50.01	-25.0	-25.01
		High	30.0 - 2500.0	-43.65	-25.0	-18.65
		High	2690.0 - 15000.0	-38.20	-25.0	-13.20
		High	15000.0 - 27000.0	-51.13	-25.0	-26.13

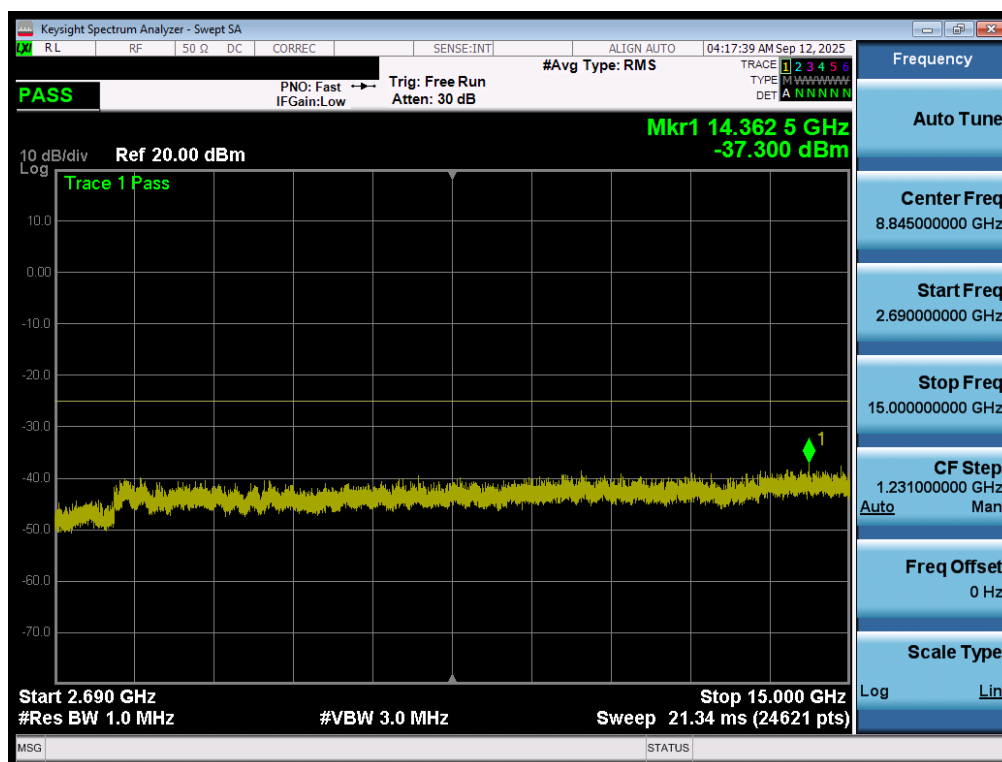
Table 7-18. Conducted Emission Test Results – LTE – Ant 1

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 81 of 134

LTE Band 41(PC2) – Ant1

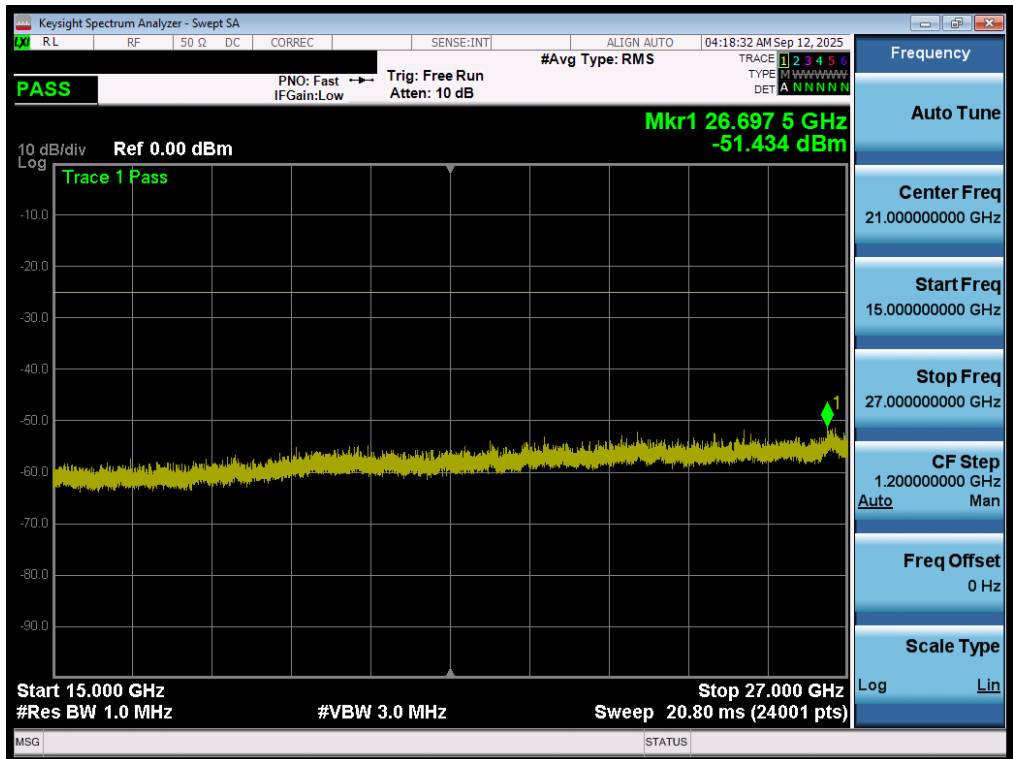


Plot 7-99. Conducted Spurious Plot (LTE Band 41(PC2) - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel - Ant1)



Plot 7-100. Conducted Spurious Plot (LTE Band 41(PC2) - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel - Ant1)

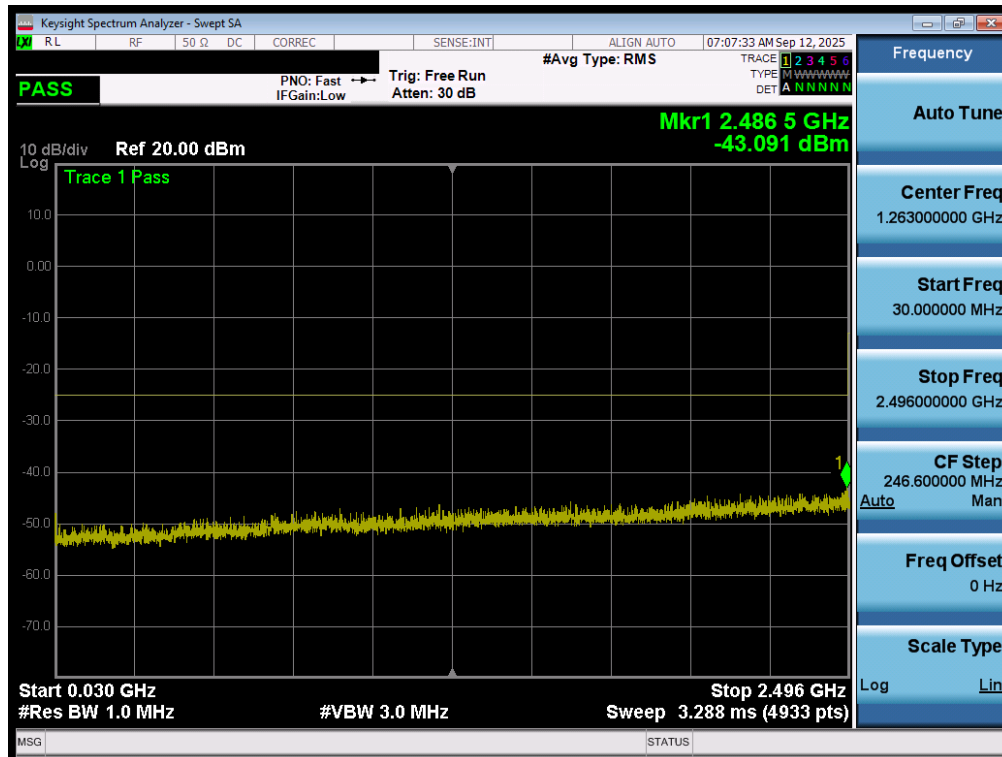
FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 82 of 134



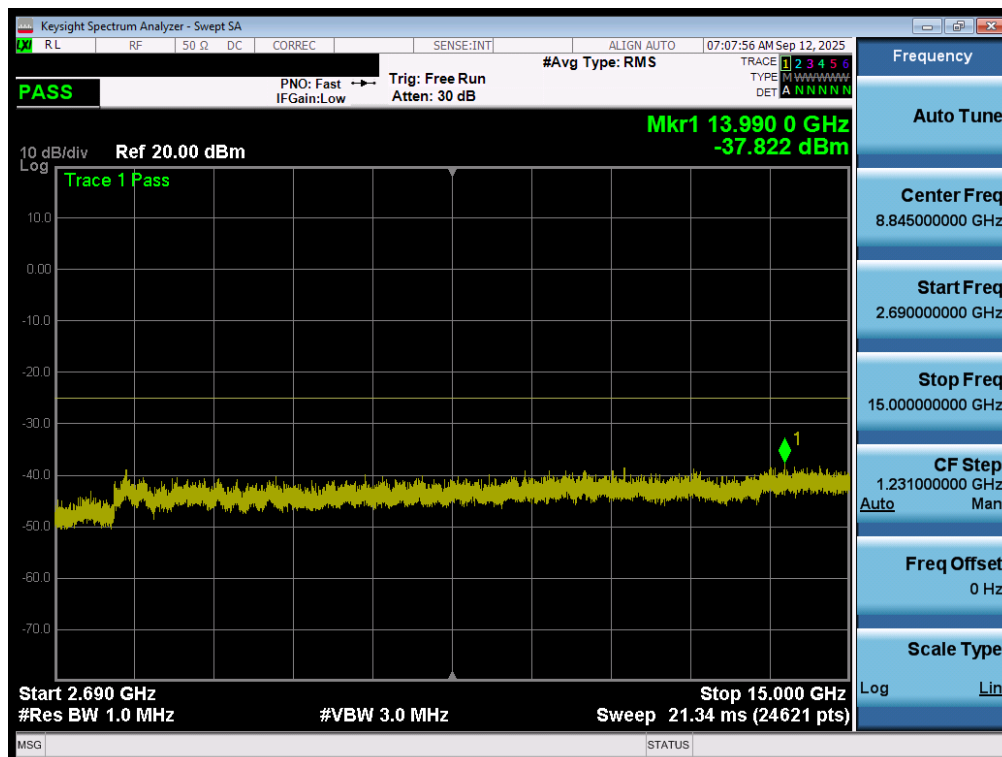
Plot 7-101. Conducted Spurious Plot (LTE Band 41(PC2)- 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel - Ant1)

LTE Band 41(PC3) – Ant1

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 83 of 134

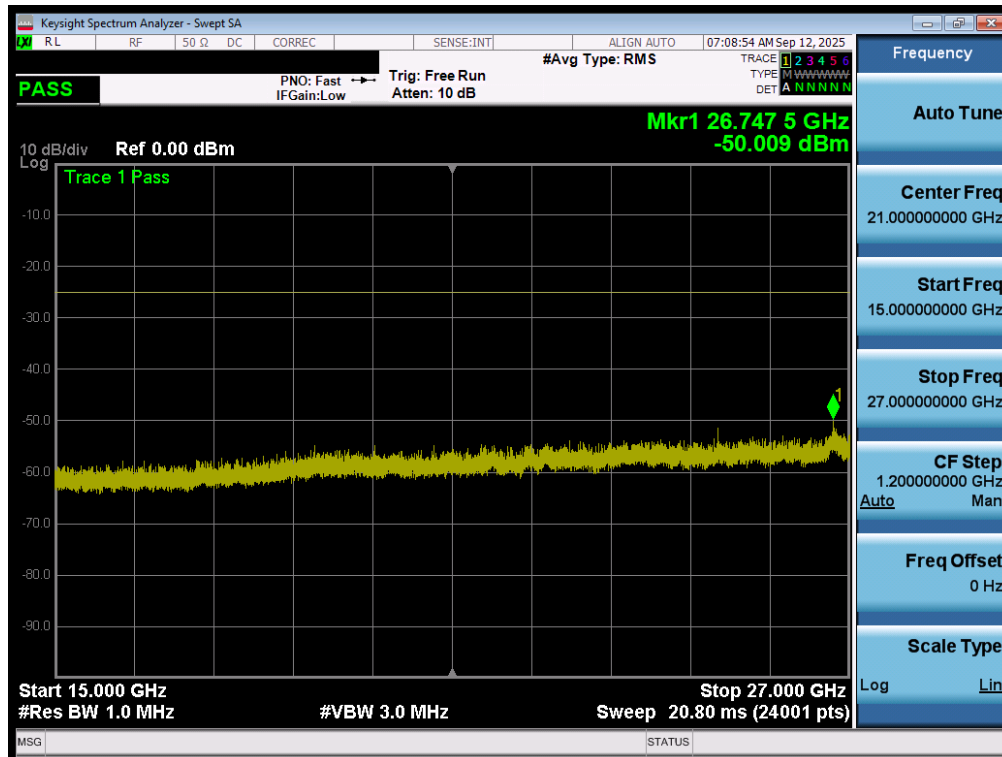


Plot 7-102. Conducted Spurious Plot (LTE Band 41(PC3) - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel - Ant1)



Plot 7-103. Conducted Spurious Plot (LTE Band 41(PC3) - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel - Ant1)

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 84 of 134



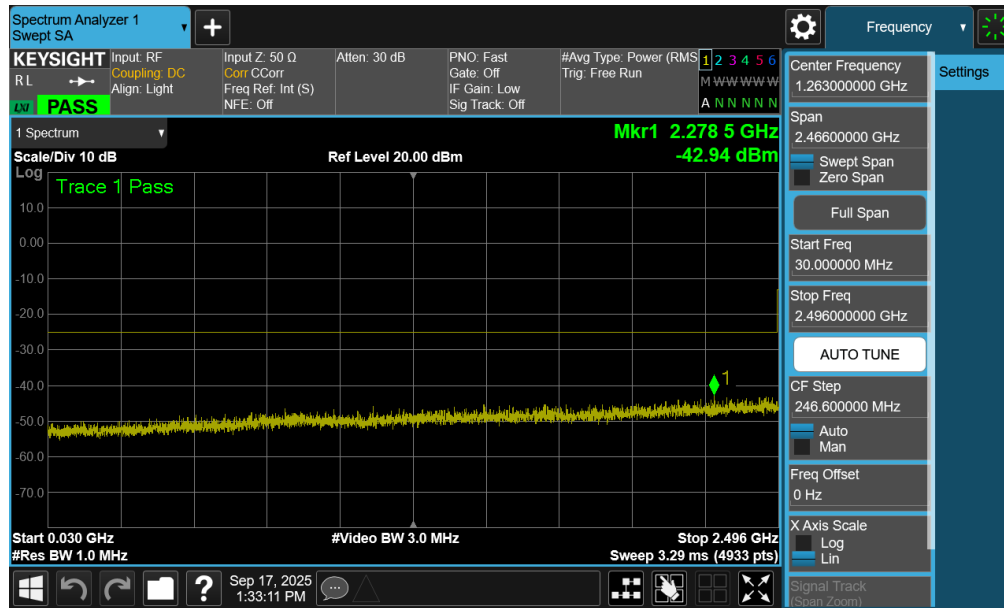
Mode	Bandwidth	Channel	Range [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]
LTE-B41PC2	20MHz	Low	30.0 - 2475.0	-42.99	-25.0	-17.99
		Low	2690.0 - 15000.0	-37.34	-25.0	-12.34
		Low	15000.0 - 27000.0	-51.94	-25.0	-26.94
		Mid	30.0 - 2500.0	-43.46	-25.0	-18.46
		Mid	2690.0 - 15000.0	-38.03	-25.0	-13.03
		Mid	15000.0 - 27000.0	-51.97	-25.0	-26.97
		High	30.0 - 2500.0	-42.94	-25.0	-17.94
		High	2690.0 - 15000.0	-37.41	-25.0	-12.41
		High	15000.0 - 27000.0	-51.82	-25.0	-26.82
LTE-B41PC3	20MHz	Low	30.0 - 2475.0	-43.27	-25.0	-18.27
		Low	2690.0 - 15000.0	-37.34	-25.0	-12.34
		Low	15000.0 - 27000.0	-52.28	-25.0	-27.28
		Mid	30.0 - 2500.0	-43.17	-25.0	-18.17
		Mid	2690.0 - 15000.0	-37.74	-25.0	-12.74
		Mid	15000.0 - 27000.0	-52.00	-25.0	-27.00
		High	30.0 - 2500.0	-42.80	-25.0	-17.80
		High	2690.0 - 15000.0	-38.12	-25.0	-13.12
		High	15000.0 - 27000.0	-52.88	-25.0	-27.88

Table 7-19. Conducted Emission Test Results – LTE – Ant 2

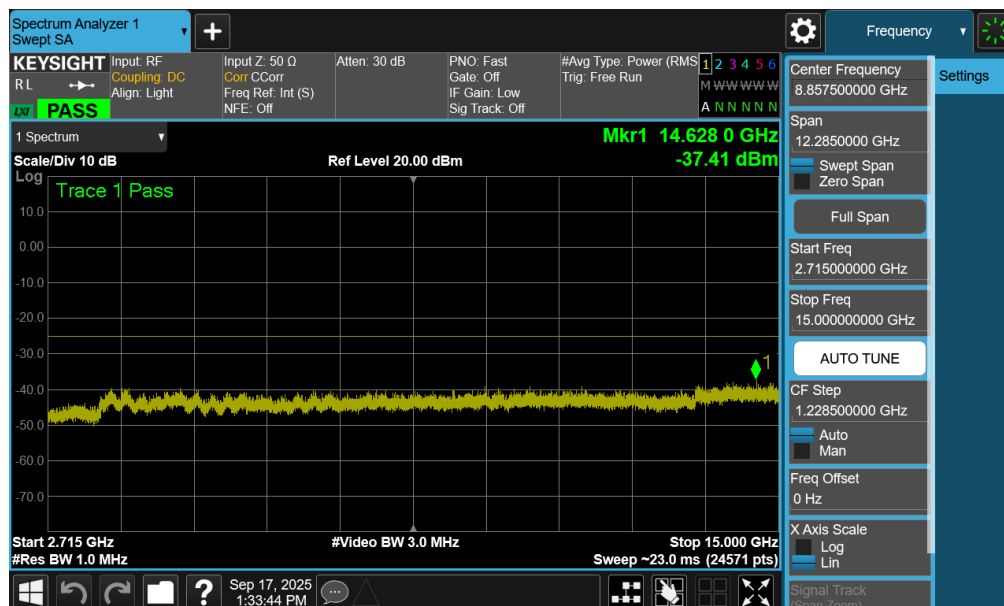
FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 86 of 134



LTE Band 41(PC2) – Ant2

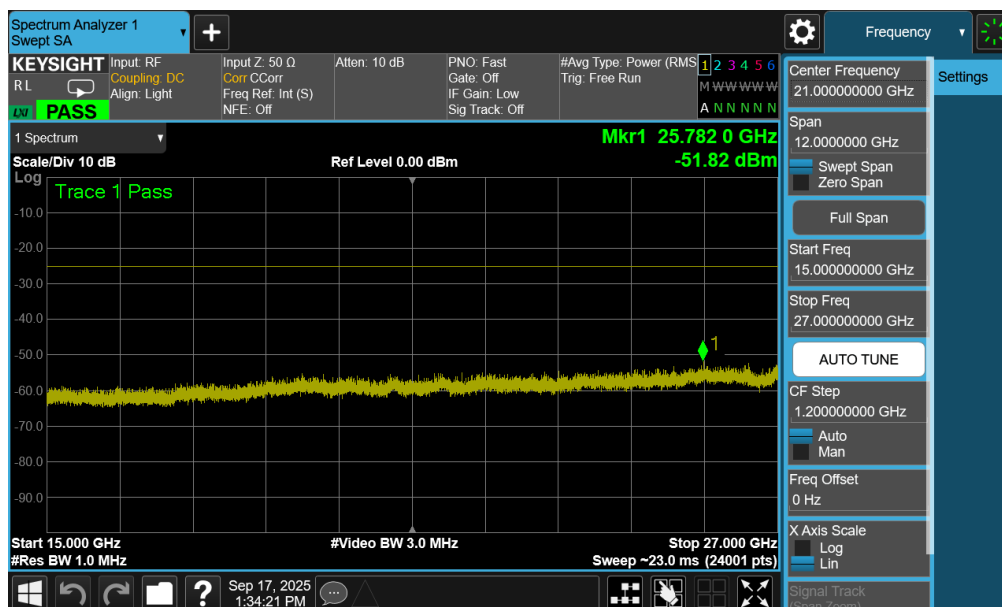


Plot 7-105. Conducted Spurious Plot (LTE Band 41(PC2) - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel - Ant2)



Plot 7-106. Conducted Spurious Plot (LTE Band 41(PC2) - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel - Ant2)

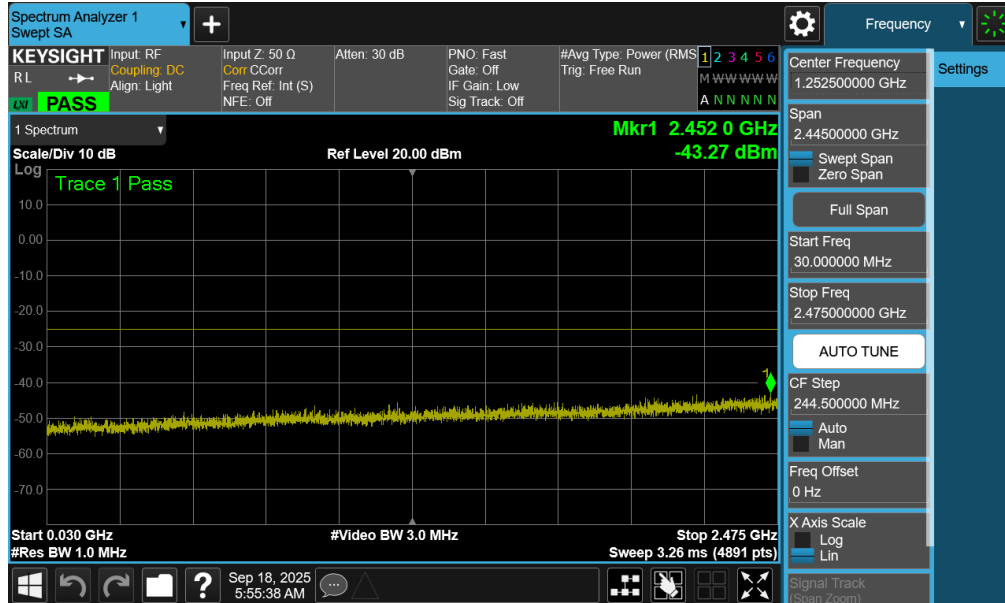
FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 87 of 134



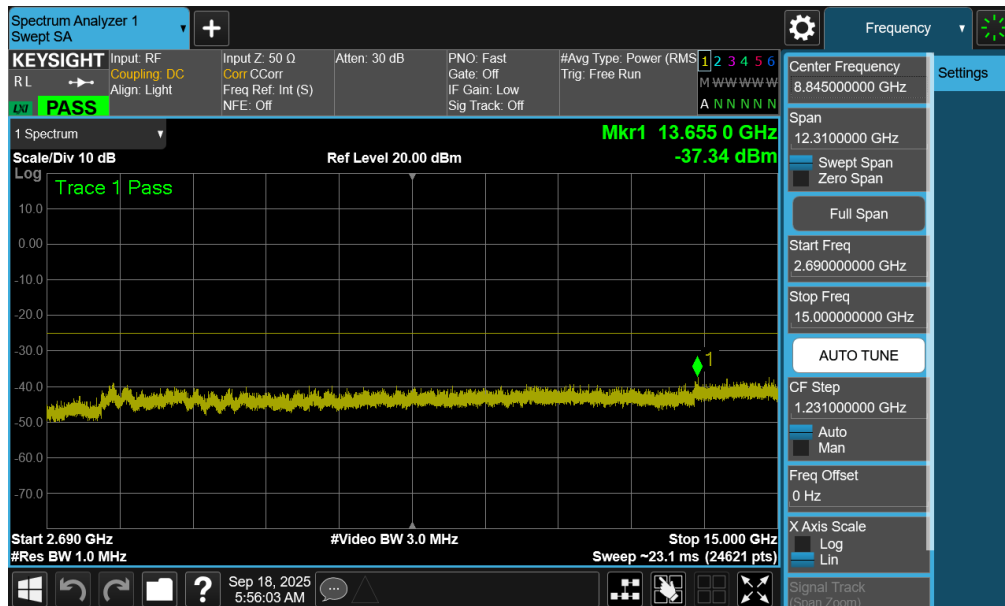
Plot 7-107. Conducted Spurious Plot (LTE Band 41(PC2)- 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel - Ant2)

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 88 of 134

LTE Band 41(PC3) – Ant2

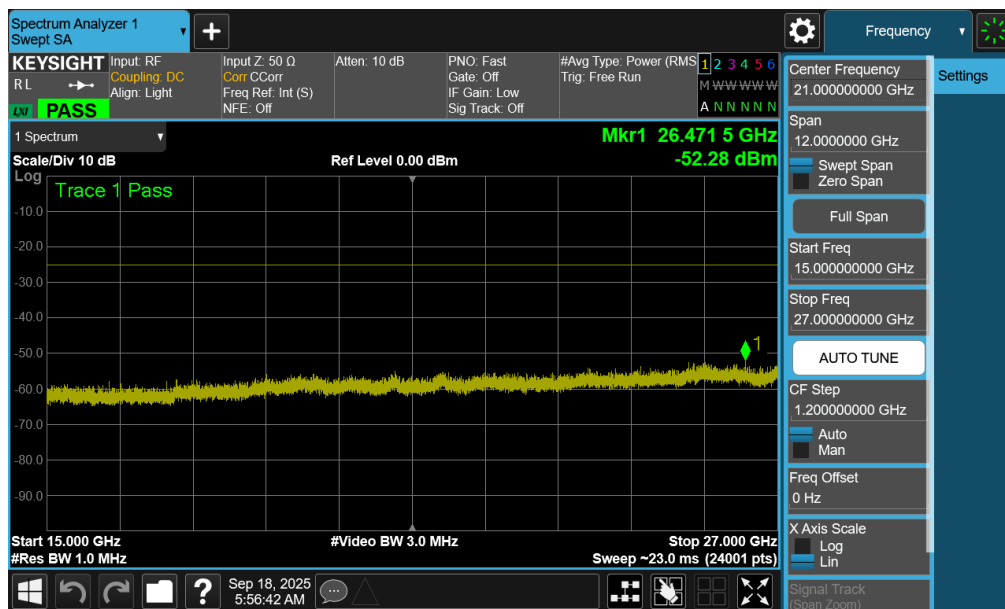


Plot 7-108. Conducted Spurious Plot (LTE Band 41(PC3) - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel - Ant2)



Plot 7-109. Conducted Spurious Plot (LTE Band 41(PC3) - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel - Ant2)

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 89 of 134



Plot 7-110. Conducted Spurious Plot (LTE Band 41(PC3) - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel - Ant2)

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 90 of 134

Mode	Bandwidth	Channel	Range [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n41PC3	100MHz	Low	30.0 - 2470.0	-43.55	-25.0	-18.55
		Low	2690.0 - 15000.0	-38.22	-25.0	-13.22
		Low	15000.0 - 27000.0	-51.96	-25.0	-26.96
		Mid	30.0 - 2470.0	-40.91	-25.0	-15.91
		Mid	2690.0 - 15000.0	-37.96	-25.0	-12.96
		Mid	15000.0 - 27000.0	-52.16	-25.0	-27.16
		High	30.0 - 2470.0	-41.01	-25.0	-16.01
		High	2690.0 - 15000.0	-37.54	-25.0	-12.54
		High	15000.0 - 27000.0	-51.40	-25.0	-26.40

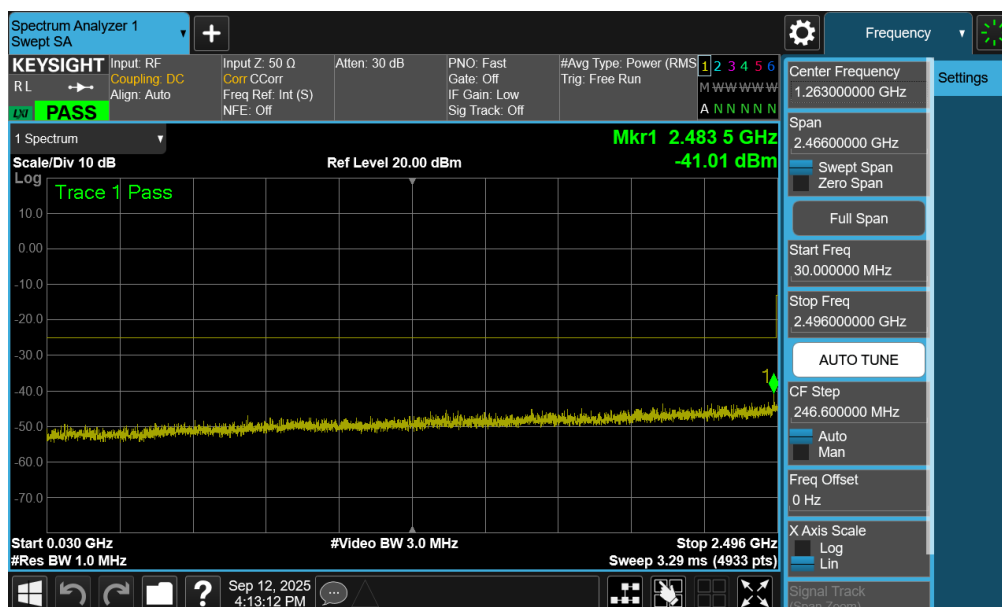
Table 7-20. Conducted Emission Test Results – n41 – Ant 1

Mode	Bandwidth	Channel	Range [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n41PC3	100MHz	Low	30.0 - 2470.0	-38.65	-25.0	-13.65
		Low	2690.0 - 15000.0	-34.99	-25.0	-9.99
		Low	15000.0 - 27000.0	-49.62	-25.0	-24.62
		Mid	30.0 - 2470.0	-34.23	-25.0	-9.23
		Mid	2690.0 - 15000.0	-33.53	-25.0	-8.53
		Mid	15000.0 - 27000.0	-50.14	-25.0	-25.14
		High	30.0 - 2470.0	-37.94	-25.0	-12.94
		High	2690.0 - 15000.0	-35.62	-25.0	-10.62
		High	15000.0 - 27000.0	-49.66	-25.0	-24.66

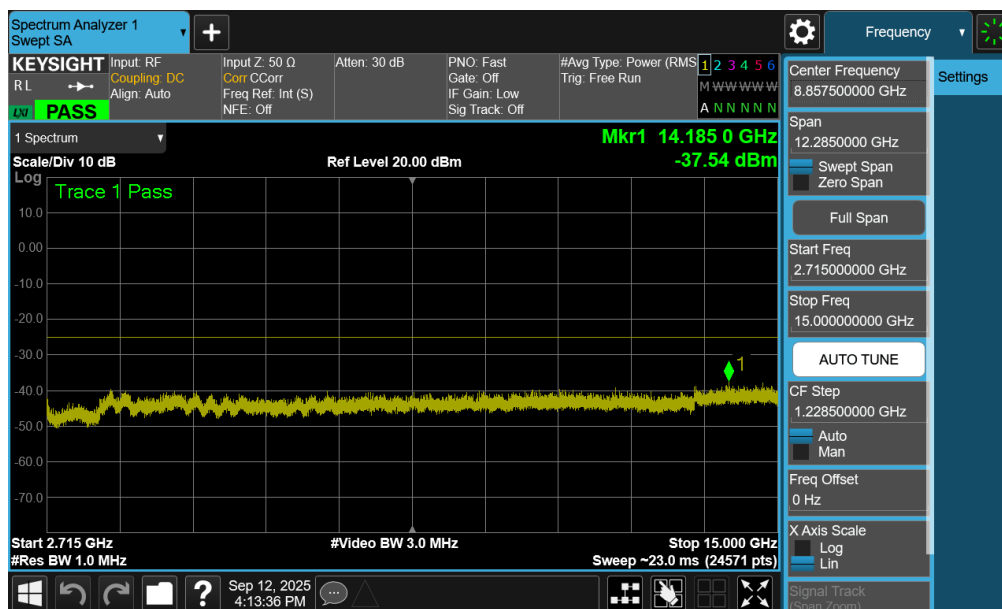
Table 7-21. Conducted Emission Test Results – n41 – Ant 2

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 91 of 134

NR Band n41 – Ant1

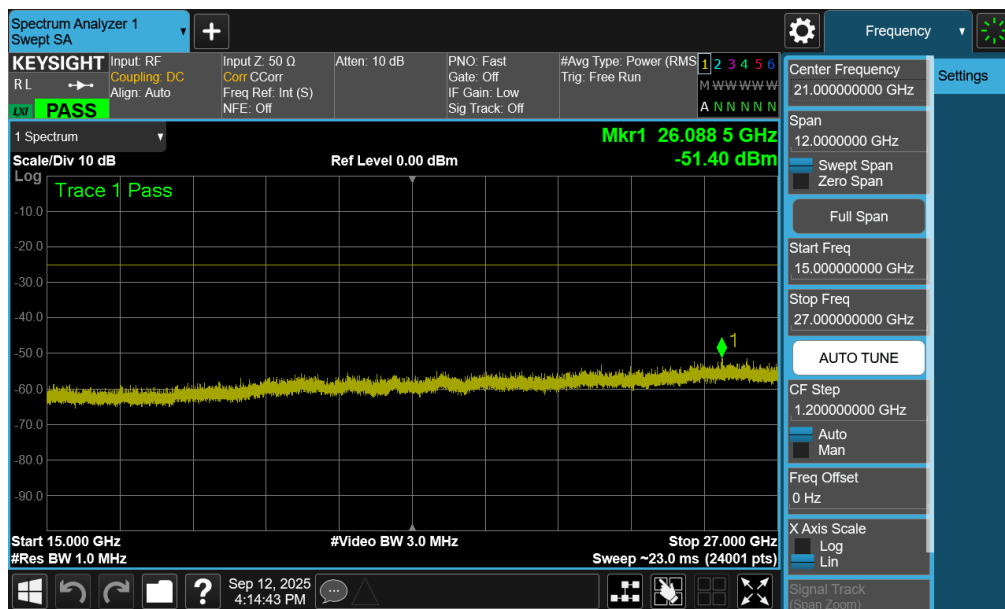


Plot 7-111. Conducted Spurious Plot (NR Band n41PC3 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel Ant1)



Plot 7-112. Conducted Spurious Plot (NR Band n41PC3 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel Ant1)

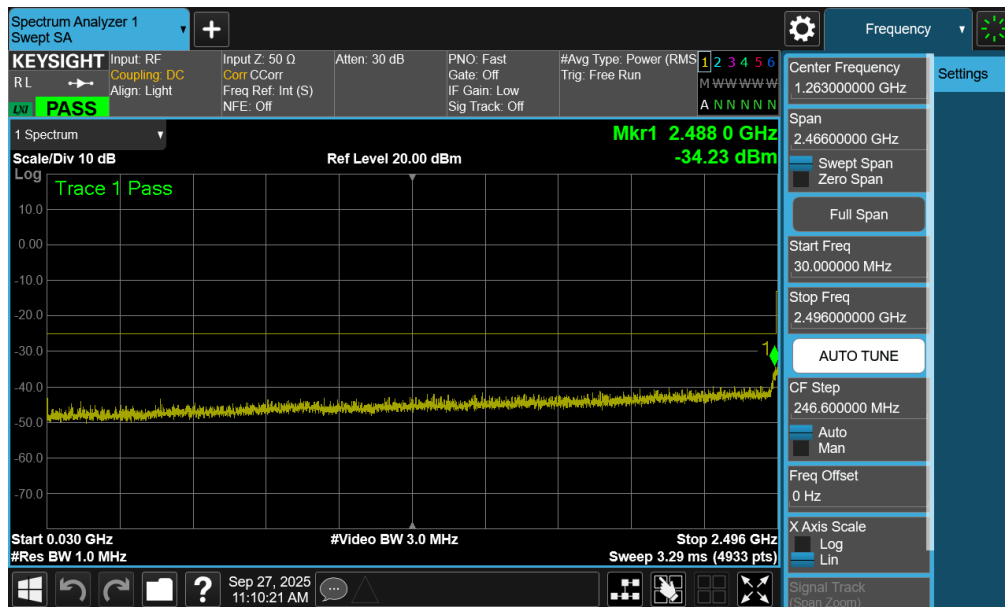
FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 92 of 134



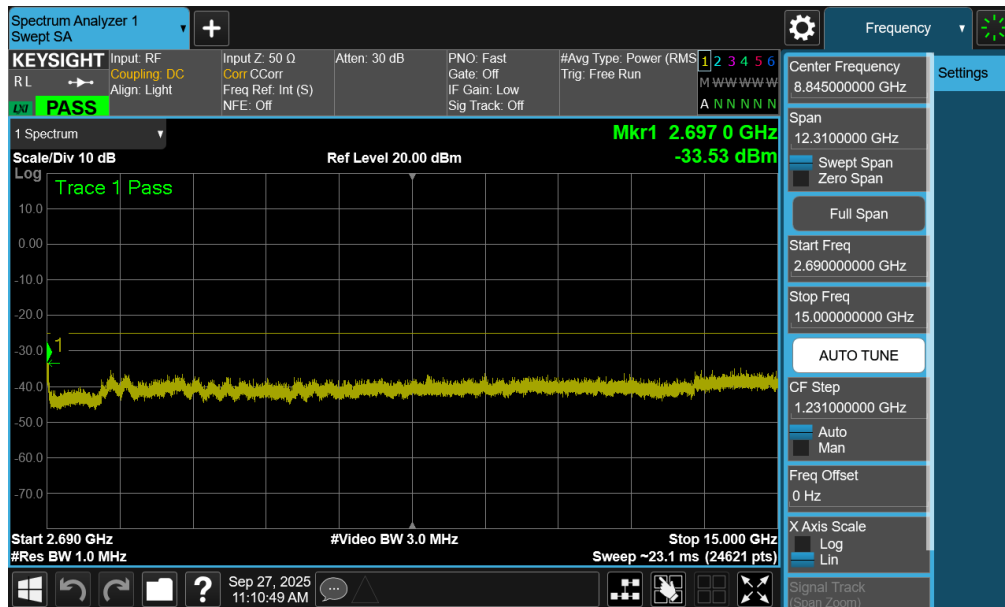
Plot 7-113. Conducted Spurious Plot (NR Band n41PC3 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel Ant1)

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 93 of 134

NR Band n41 – Ant2

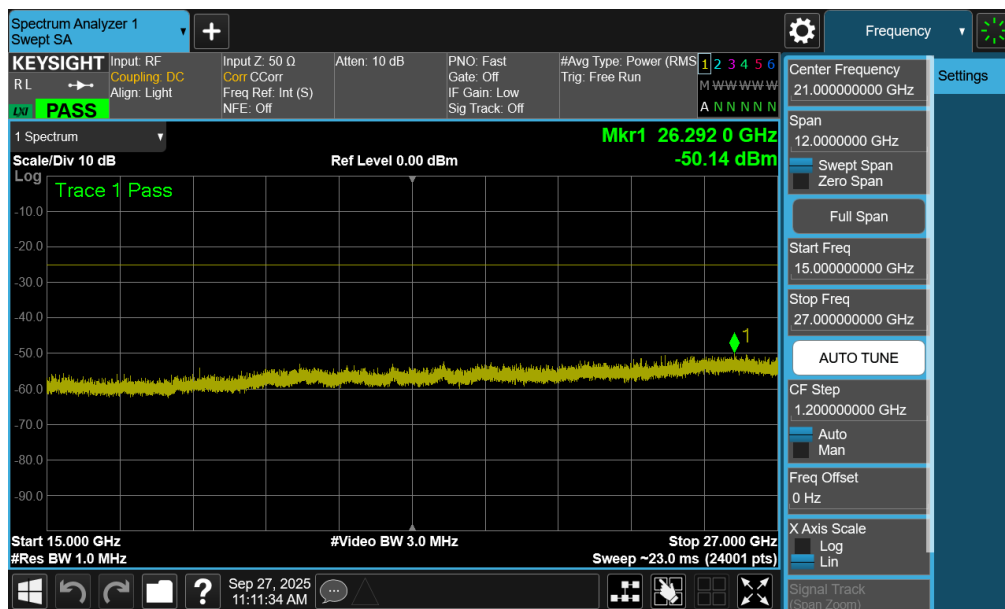


Plot 7-114. Conducted Spurious Plot (NR Band n41PC3 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel Ant1)



Plot 7-115. Conducted Spurious Plot (NR Band n41PC3 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel Ant1)

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 94 of 134



Plot 7-116. Conducted Spurious Plot (NR Band n41PC3 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel Ant1)

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 95 of 134

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 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 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.

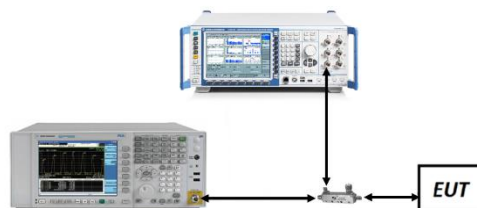


Figure 7-5. Test Instrument & Measurement Setup

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 96 of 134

Test Notes

1. 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.
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.

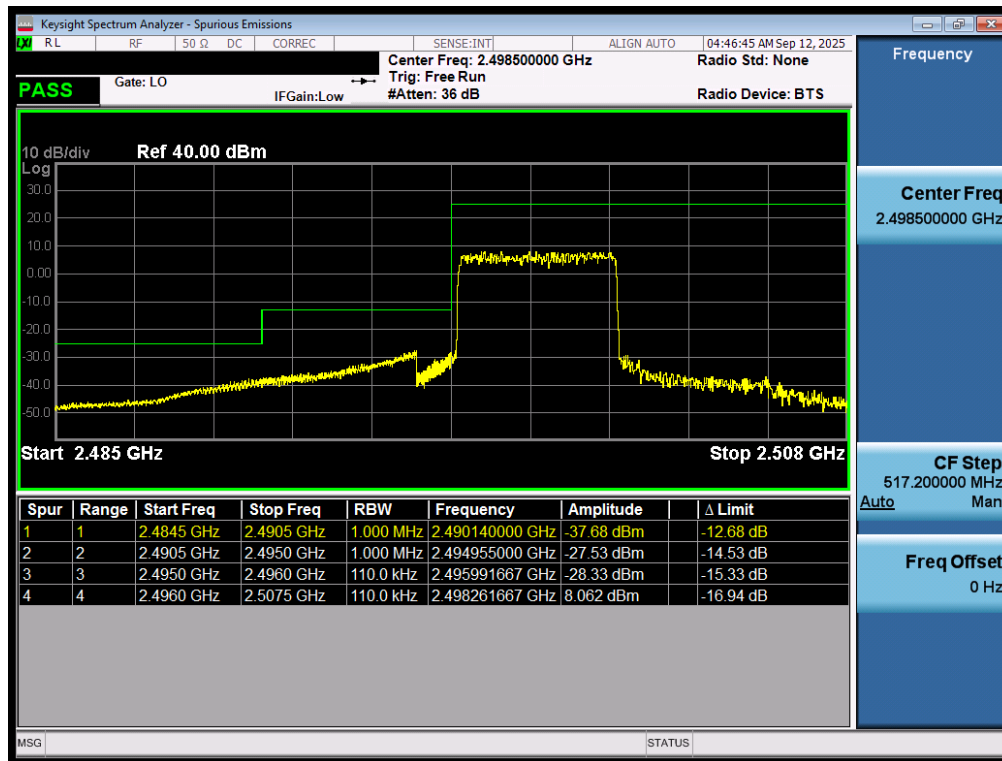
FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 97 of 134

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
LTE-B41PC2	20MHz	Low	Band Edge	-36.85	-25	-11.85
		High	Band Edge	-39.80	-25	-14.80
	15MHz	Low	Band Edge	-33.98	-25	-8.98
		High	Band Edge	-40.56	-25	-15.56
	10MHz	Low	Band Edge	-35.93	-25	-10.93
		High	Band Edge	-40.40	-25	-15.40
	5MHz	Low	Band Edge	-37.68	-25	-12.68
		High	Band Edge	-13.32	-10	-3.32
LTE-B41PC3	20MHz	Low	Band Edge	-38.39	-25	-13.39
		High	Band Edge	-40.29	-25	-15.29
	15MHz	Low	Band Edge	-35.57	-25	-10.57
		High	Band Edge	-40.48	-25	-15.48
	10MHz	Low	Band Edge	-36.33	-25	-11.33
		High	Band Edge	-41.15	-25	-16.15
	5MHz	Low	Band Edge	-41.37	-25	-16.37
		High	Band Edge	-39.64	-25	-14.64

Table 7-22. Conducted Band Edge Test Results – LTE – Ant 1

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 98 of 134

LTE Band 41(PC2) – Ant1



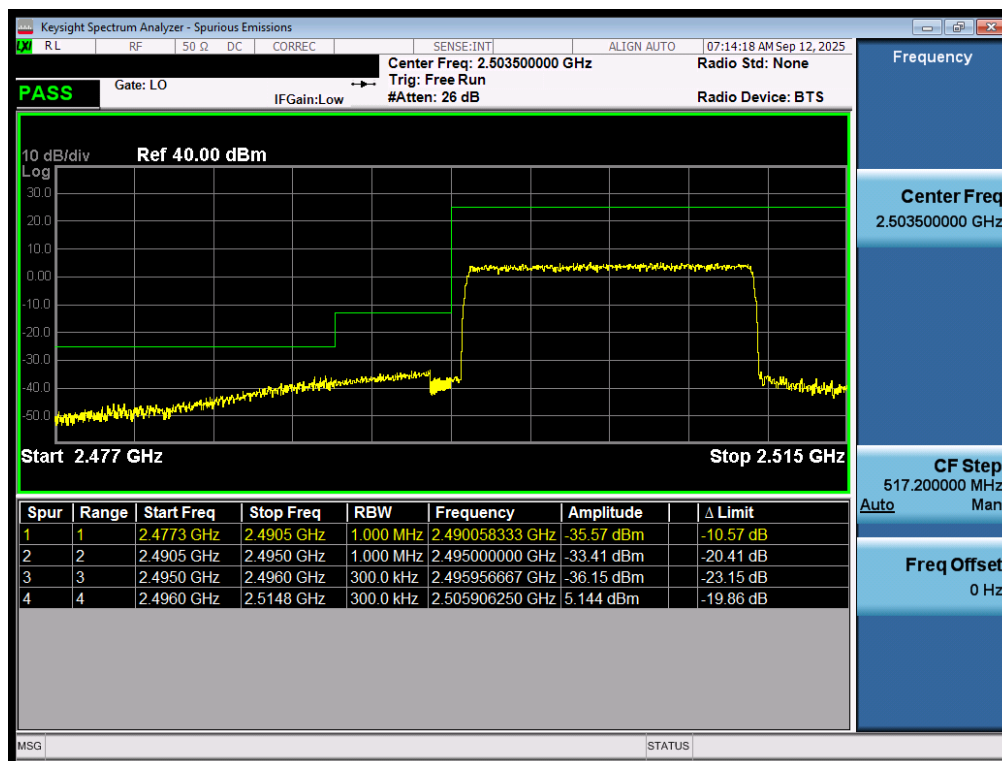
Plot 7-117. Lower ACP Plot (LTE Band 41(PC2) - 5MHz QPSK – Full RB - Ant1)



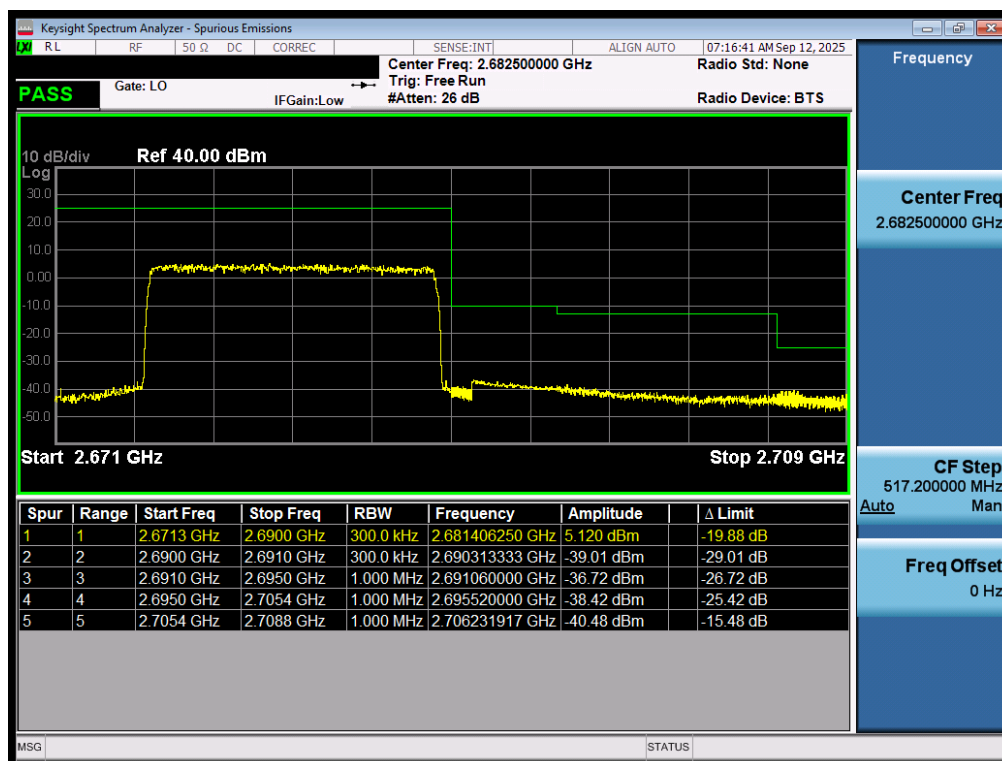
Plot 7-118. Upper ACP Plot (LTE Band 41(PC2) - 5MHz QPSK – Full RB - Ant1)

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 99 of 134

LTE Band 41(PC3) – Ant1



Plot 7-119. Lower ACP Plot (LTE Band 41(PC3) - 15MHz QPSK – Full RB - Ant1)



Plot 7-120. Upper ACP Plot (LTE Band 41(PC3) - 15MHz QPSK – Full RB - Ant1)

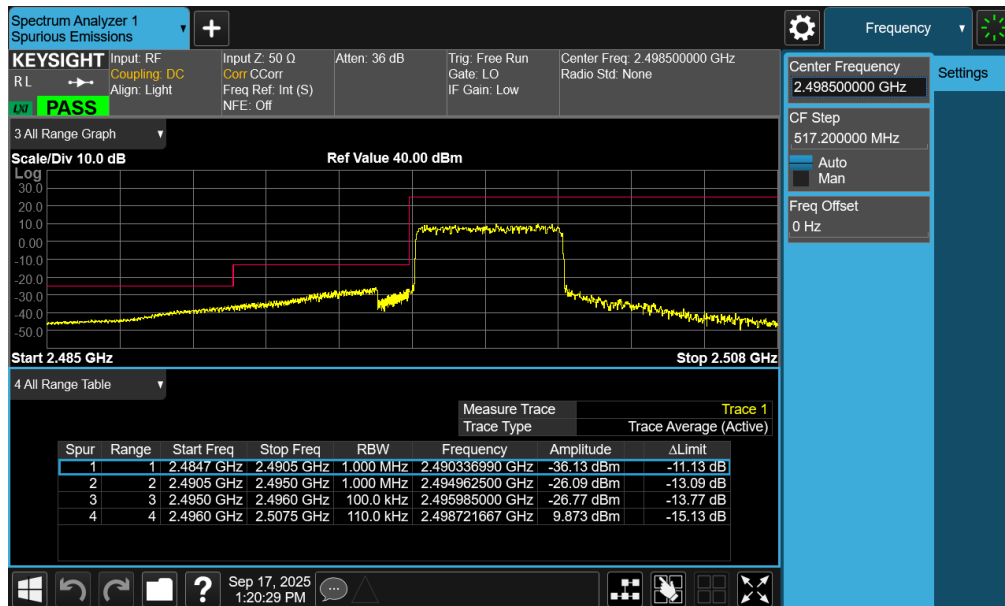
FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 100 of 134

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
LTE-B41PC2	20MHz	Low	Band Edge	-33.90	-25	-8.90
		High	Band Edge	-39.77	-25	-14.77
	15MHz	Low	Band Edge	-34.24	-25	-9.24
		High	Band Edge	-38.75	-25	-13.75
	10MHz	Low	Band Edge	-19.83	-13	-6.83
		High	Band Edge	-38.07	-25	-13.07
	5MHz	Low	Band Edge	-36.13	-25	-11.13
		High	Band Edge	-11.09	-10	-1.09
LTE-B41PC3	20MHz	Low	Band Edge	-33.07	-25	-8.07
		High	Band Edge	-27.71	-10	-17.71
	15MHz	Low	Band Edge	-33.80	-25	-8.80
		High	Band Edge	-41.86	-25	-16.86
	10MHz	Low	Band Edge	-35.24	-25	-10.24
		High	Band Edge	-42.03	-25	-17.03
	10MHz	Low	Band Edge	-27.07	-13	-14.07
		High	Band Edge	-41.56	-25	-16.56

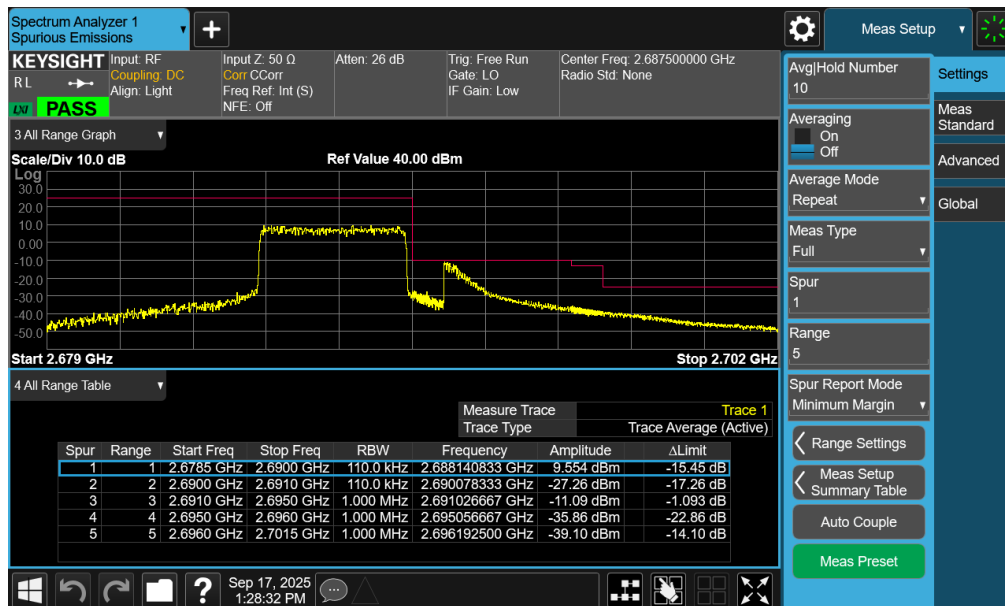
Table 7-23. Conducted Band Edge Test Results – LTE – Ant 2

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 101 of 134

LTE Band 41(PC2) – Ant2



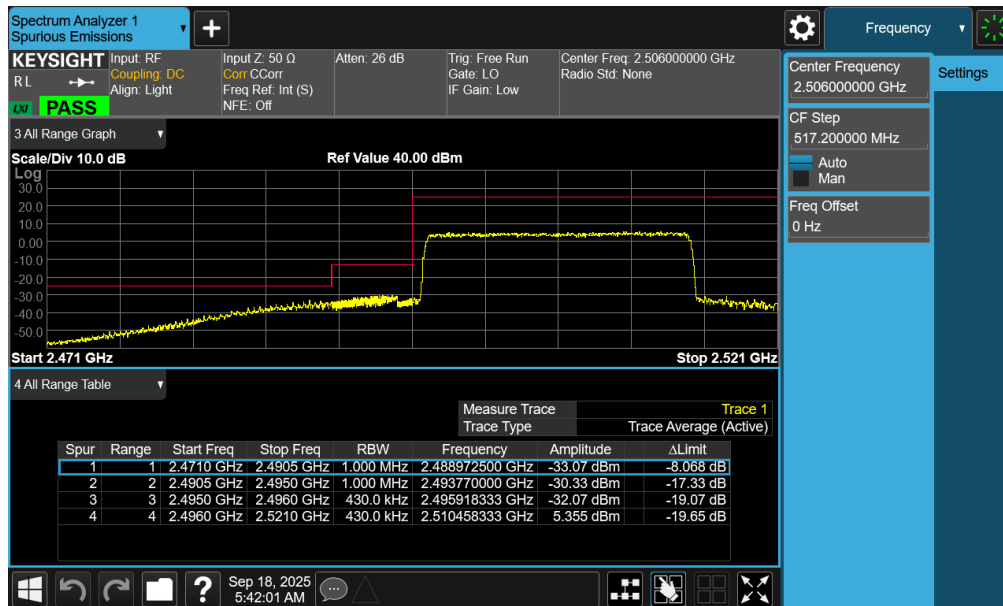
Plot 7-121. Lower ACP Plot (LTE Band 41(PC2) - 5MHz QPSK – Full RB – Ant2)



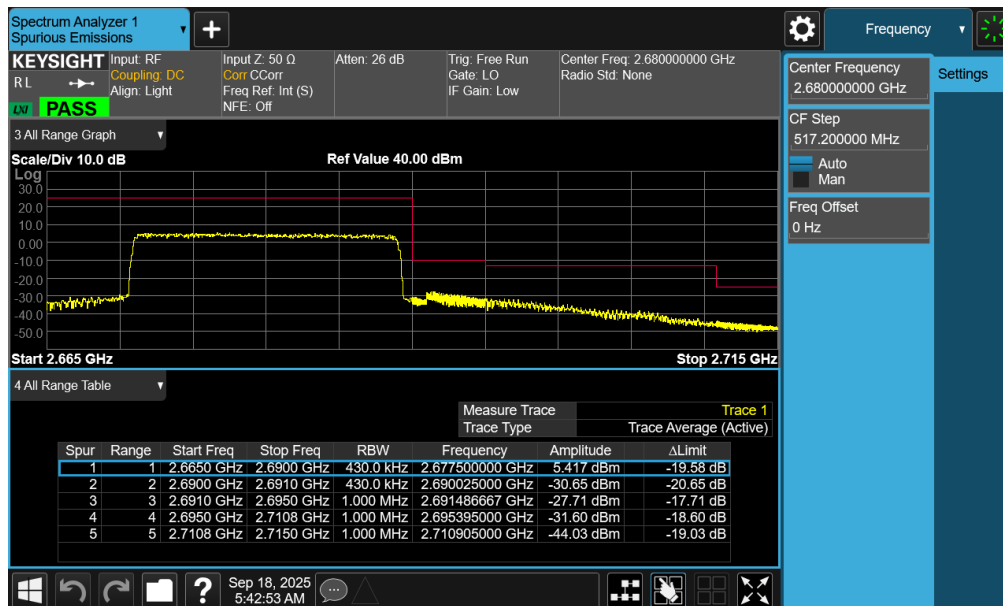
Plot 7-122. Upper ACP Plot (LTE Band 41(PC2) - 5MHz QPSK – Full RB – Ant2)

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 102 of 134

LTE Band 41(PC3) – Ant2



Plot 7-123. Lower ACP Plot (LTE Band 41(PC3) - 20MHz QPSK – Full RB – Ant2)



Plot 7-124. Upper ACP Plot (LTE Band 41(PC3) - 20MHz QPSK – Full RB – Ant2)

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 103 of 134

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n41PC3	100MHz	Low	Band Edge	-27.29	-13	-14.29
		High	Band Edge	-29.65	-10	-19.65
	90MHz	Low	Band Edge	-29.42	-13	-16.42
		High	Band Edge	-34.20	-10	-24.20
	80MHz	Low	Band Edge	-41.71	-25	-16.71
		High	Band Edge	-35.64	-10	-25.64
	70MHz	Low	Band Edge	-40.92	-25	-15.92
		High	Band Edge	-36.79	-10	-26.79
	60MHz	Low	Band Edge	-40.40	-25	-15.40
		High	Band Edge	-26.50	-10	-16.50
	50MHz	Low	Band Edge	-41.41	-25	-16.41
		High	Band Edge	-50.85	-25	-25.85
	40MHz	Low	Band Edge	-38.31	-25	-13.31
		High	Band Edge	-38.14	-13	-25.14
	30MHz	Low	Band Edge	-38.43	-25	-13.43
		High	Band Edge	-48.33	-25	-23.33
	20MHz	Low	Band Edge	-39.98	-25	-14.98
		High	Band Edge	-46.87	-25	-21.87
	15MHz	Low	Band Edge	-38.73	-25	-13.73
		High	Band Edge	-32.23	-10	-22.23
	10MHz	Low	Band Edge	-38.45	-25	-13.45
		High	Band Edge	-32.26	-10	-22.26

Table 7-24. Conducted Band Edge Test Results – NR – Ant 1

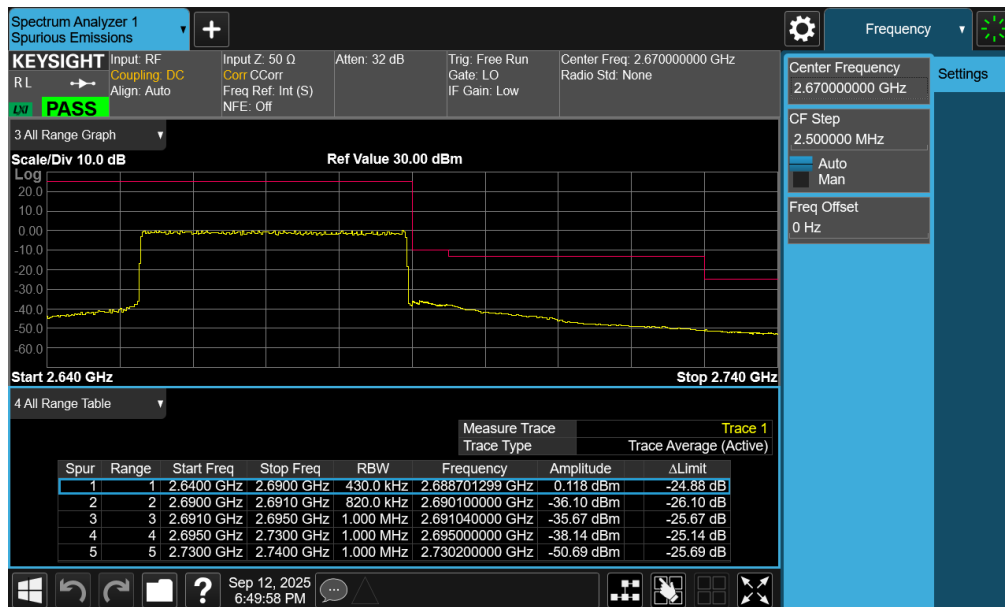
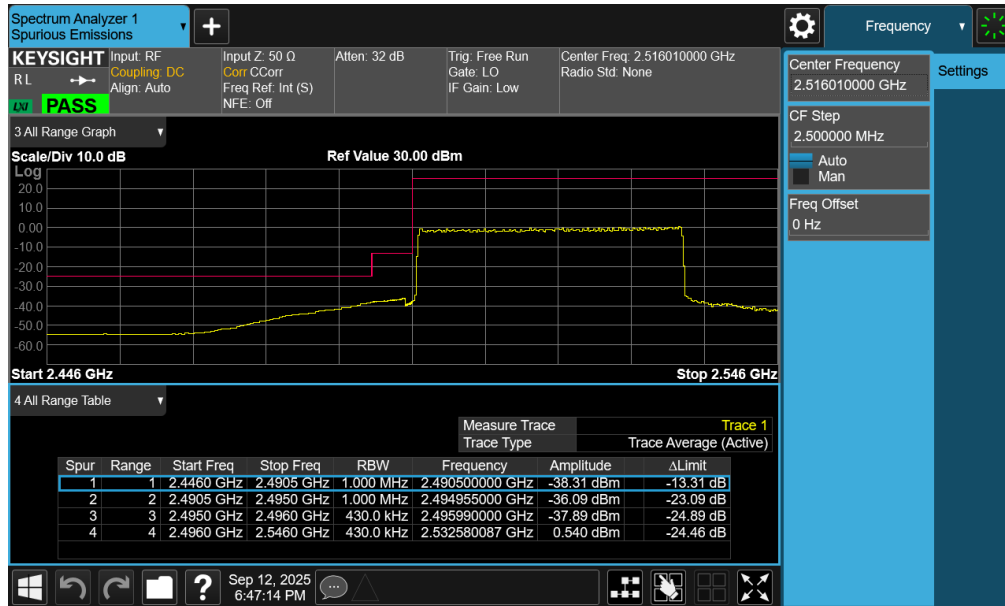
FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 104 of 134

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n41PC3	100MHz	Low	Band Edge	-23.49	-13	-10.49
		High	Band Edge	-28.13	-10	-18.13
	90MHz	Low	Band Edge	-36.86	-25	-11.86
		High	Band Edge	-29.27	-10	-19.27
	80MHz	Low	Band Edge	-37.27	-25	-12.27
		High	Band Edge	-30.41	-10	-20.41
	70MHz	Low	Band Edge	-35.76	-25	-10.76
		High	Band Edge	-31.75	-10	-21.75
	60MHz	Low	Band Edge	-36.27	-25	-11.27
		High	Band Edge	-22.75	-10	-12.75
	50MHz	Low	Band Edge	-35.91	-25	-10.91
		High	Band Edge	-45.76	-25	-20.76
	40MHz	Low	Band Edge	-33.34	-25	-8.34
		High	Band Edge	-41.12	-25	-16.12
	30MHz	Low	Band Edge	-33.30	-25	-8.30
		High	Band Edge	-38.66	-25	-13.66
	20MHz	Low	Band Edge	-33.13	-25	-8.13
		High	Band Edge	-37.36	-25	-12.36
	15MHz	Low	Band Edge	-30.87	-25	-5.87
		High	Band Edge	-40.74	-25	-15.74
	10MHz	Low	Band Edge	-30.91	-25	-5.91
		High	Band Edge	-29.09	-10	-19.09

Table 7-25. Conducted Band Edge Test Results – NR – Ant 2

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 105 of 134

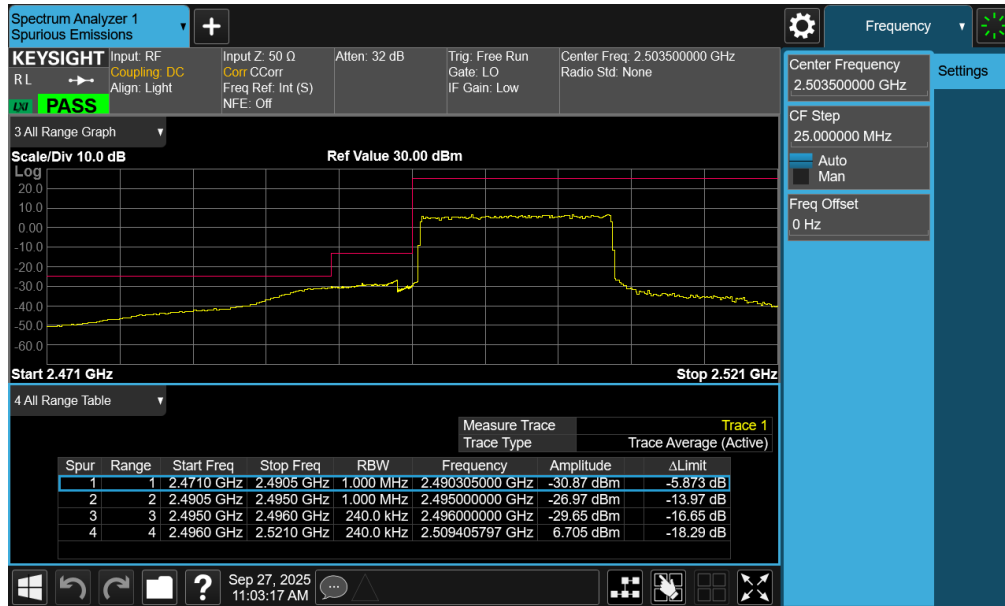
NR Band n41 – Ant1



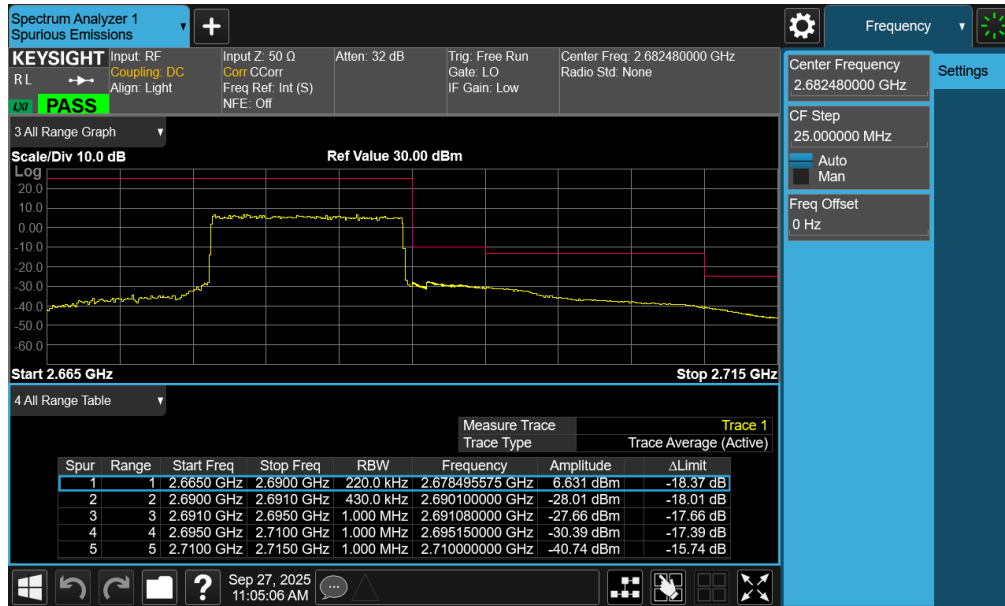
Plot 7-126. Upper ACP Plot (NR Band n41PC3 - 40MHz CP-OFDM-QPSK – Full RB - Ant1)

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 106 of 134

NR Band n41 – Ant2



Plot 7-127. Lower ACP Plot (NR Band n41PC3 - 15MHz CP-OFDM-QPSK – Full RB – Ant2)



Plot 7-128. Upper ACP Plot (NR Band n41PC3 - 15MHz CP-OFDM-QPSK – Full RB – Ant2)

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 107 of 134

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.

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 108 of 134

Test Setup

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

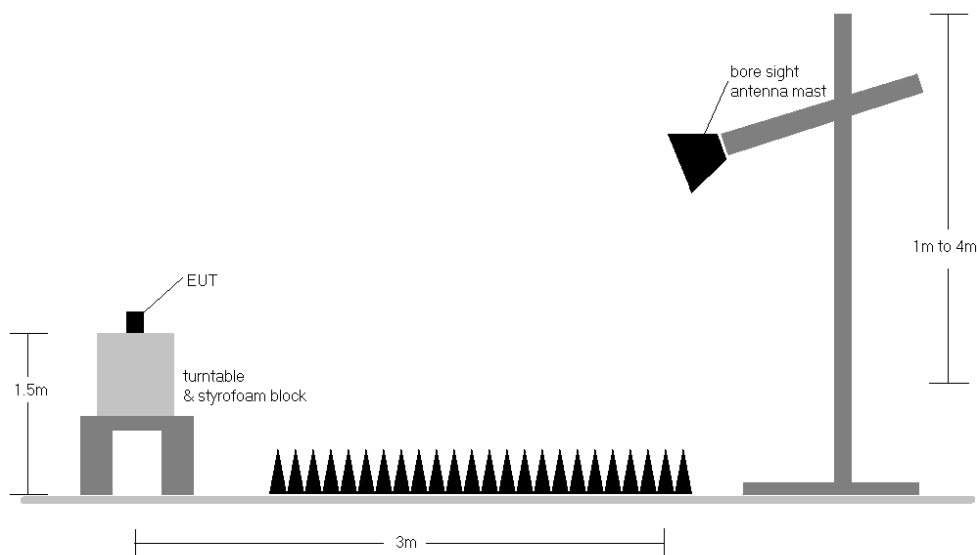


Figure 7-6. Radiated Test Setup >1GHz

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.

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 109 of 134

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	159	227	4.17	1 / 99	19.33	23.50	0.224	33.01	-9.51
	QPSK	2593.0	H	156	231	4.00	1 / 0	19.64	23.64	0.231	33.01	-9.37
	QPSK	2680.0	H	162	225	4.50	1 / 50	18.79	23.29	0.213	33.01	-9.72
	16-QAM	2506.0	H	159	227	4.17	1 / 99	18.22	22.39	0.174	33.01	-10.62
	16-QAM	2593.0	H	156	231	4.00	1 / 0	19.23	23.23	0.210	33.01	-9.78
15 MHz	16-QAM	2680.0	H	162	225	4.50	1 / 50	18.08	22.58	0.181	33.01	-10.43
	QPSK	2503.5	H	159	227	4.17	1 / 37	19.33	23.50	0.224	33.01	-9.51
	QPSK	2593.0	H	156	231	4.00	1 / 37	19.67	23.67	0.233	33.01	-9.34
	QPSK	2682.5	H	162	225	4.51	1 / 37	18.86	23.37	0.217	33.01	-9.64
	16-QAM	2503.5	H	159	227	4.17	1 / 37	18.17	22.34	0.172	33.01	-10.67
10 MHz	16-QAM	2593.0	H	156	231	4.00	1 / 37	19.25	23.25	0.211	33.01	-9.76
	16-QAM	2682.5	H	162	225	4.51	1 / 0	17.93	22.44	0.175	33.01	-10.57
	QPSK	2501.0	H	159	227	4.17	1 / 25	19.27	23.44	0.221	33.01	-9.57
	QPSK	2593.0	H	156	231	4.00	1 / 25	19.63	23.63	0.231	33.01	-9.38
	QPSK	2685.0	H	162	225	4.52	1 / 25	18.80	23.32	0.215	33.01	-9.69
5 MHz	16-QAM	2501.0	H	159	227	4.17	1 / 25	18.26	22.43	0.175	33.01	-10.58
	16-QAM	2593.0	H	156	231	4.00	1 / 25	19.38	23.38	0.218	33.01	-9.63
	16-QAM	2685.0	H	162	225	4.52	1 / 25	18.09	22.61	0.182	33.01	-10.40
	QPSK	2498.5	H	159	227	4.16	1 / 12	19.07	23.23	0.211	33.01	-9.78
	QPSK	2593.0	H	156	231	4.00	1 / 12	19.68	23.68	0.233	33.01	-9.33
20 MHz	QPSK	2687.5	H	162	225	4.53	1 / 12	18.86	23.39	0.218	33.01	-9.62
	16-QAM	2498.5	H	159	227	4.16	1 / 12	17.90	22.06	0.161	33.01	-10.95
	16-QAM	2593.0	H	156	231	4.00	1 / 12	19.25	23.25	0.211	33.01	-9.76
	16-QAM	2687.5	H	162	225	4.53	1 / 12	18.02	22.55	0.180	33.01	-10.46
	Opposite Pol.	2593.0	V	395	47	4.14	1 / 50	16.28	20.42	0.110	33.01	-12.59
	WCP	2593.0	H	177	223	4.00	1 / 0	17.43	21.43	0.139	33.01	-11.58

Table 7-26. EIRP Data (LTE Band 41(PC2)) – Ant1

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	222	4.17	1 / 50	18.39	22.56	0.180	33.01	-10.45
	QPSK	2593.0	H	149	226	4.00	1 / 99	17.30	21.30	0.135	33.01	-11.71
	QPSK	2680.0	H	162	224	4.50	1 / 50	16.63	21.13	0.130	33.01	-11.88
	16-QAM	2506.0	H	162	222	4.17	1 / 50	16.98	21.15	0.130	33.01	-11.86
	16-QAM	2593.0	H	149	226	4.00	1 / 99	15.18	19.18	0.083	33.01	-13.83
15 MHz	16-QAM	2680.0	H	162	224	4.50	1 / 50	15.25	19.75	0.094	33.01	-13.26
	QPSK	2503.5	H	162	222	4.17	1 / 74	18.41	22.58	0.181	33.01	-10.43
	QPSK	2593.0	H	149	226	4.00	1 / 37	17.36	21.36	0.137	33.01	-11.65
	QPSK	2682.5	H	162	224	4.51	1 / 37	16.70	21.21	0.132	33.01	-11.80
	16-QAM	2503.5	H	162	222	4.17	1 / 74	17.00	21.17	0.131	33.01	-11.84
10 MHz	16-QAM	2593.0	H	149	226	4.00	1 / 37	15.28	19.28	0.085	33.01	-13.73
	16-QAM	2682.5	H	162	224	4.51	1 / 37	15.19	19.70	0.093	33.01	-13.31
	QPSK	2501.0	H	162	222	4.17	1 / 49	18.35	22.52	0.179	33.01	-10.49
	QPSK	2593.0	H	149	226	4.00	1 / 0	17.33	21.33	0.136	33.01	-11.68
	QPSK	2685.0	H	162	224	4.52	1 / 25	16.67	21.19	0.132	33.01	-11.82
5 MHz	16-QAM	2501.0	H	162	222	4.17	1 / 49	16.95	21.12	0.130	33.01	-11.89
	16-QAM	2593.0	H	149	226	4.00	1 / 0	15.24	19.24	0.084	33.01	-13.77
	16-QAM	2685.0	H	162	224	4.52	1 / 25	15.22	19.74	0.094	33.01	-13.27
	QPSK	2498.5	H	162	222	4.16	1 / 24	18.16	22.32	0.171	33.01	-10.69
	QPSK	2593.0	H	149	226	4.00	1 / 0	17.38	21.38	0.137	33.01	-11.63
20 MHz	QPSK	2687.5	H	162	224	4.53	1 / 0	16.75	21.28	0.134	33.01	-11.73
	16-QAM	2498.5	H	162	222	4.16	1 / 24	16.74	20.90	0.123	33.01	-12.11
	16-QAM	2593.0	H	149	226	4.00	1 / 0	15.31	19.31	0.085	33.01	-13.70
	16-QAM	2687.5	H	162	224	4.53	1 / 0	15.29	19.82	0.096	33.01	-13.19
	Opposite Pol.	2506.0	V	388	258	4.14	1 / 50	13.95	18.09	0.064	33.01	-14.92
	WCP	2506.0	H	155	222	4.00	1 / 50	15.88	19.88	0.097	33.01	-13.13

Table 7-27. EIRP Data (LTE Band 41(PC3)) – Ant1

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 110 of 134

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]	
100 MHz	1/2 BPSK	2546.01	H	150	337	4.19	1 / 136	18.98	23.17	0.208	33.01	-9.84	
	1/2 BPSK	2592.99	H	150	329	4.00	1 / 1	18.33	22.33	0.171	33.01	-10.68	
	1/2 BPSK	2640.00	H	143	330	4.31	1 / 1	17.31	21.62	0.145	33.01	-11.39	
	QPSK	2546.01	H	150	337	4.19	1 / 136	19.33	23.52	0.225	33.01	-9.49	
	QPSK	2592.99	H	150	329	4.00	1 / 1	18.28	22.28	0.169	33.01	-10.73	
	QPSK	2640.00	H	143	330	4.31	1 / 1	17.61	21.92	0.156	33.01	-11.09	
	16-QAM	2546.01	H	150	337	4.19	1 / 136	18.18	22.37	0.173	33.01	-10.64	
	16-QAM	2592.99	H	150	329	4.00	1 / 1	17.55	21.55	0.143	33.01	-11.46	
	16-QAM	2640.00	H	143	330	4.31	1 / 1	16.79	21.10	0.129	33.01	-11.91	
	1/2 BPSK	2541.00	H	150	337	4.19	1 / 1	18.80	22.99	0.199	33.01	-10.02	
	1/2 BPSK	2592.99	H	150	329	4.00	1 / 1	18.23	22.23	0.167	33.01	-10.78	
	1/2 BPSK	2644.98	H	143	330	4.36	1 / 1	17.20	21.55	0.143	33.01	-11.46	
90 MHz	QPSK	2541.00	H	150	337	4.19	1 / 1	19.16	23.35	0.216	33.01	-9.66	
	QPSK	2592.99	H	150	329	4.00	1 / 1	18.19	22.19	0.166	33.01	-10.82	
	QPSK	2644.98	H	143	330	4.36	1 / 1	17.51	21.86	0.154	33.01	-11.15	
	16-QAM	2541.00	H	150	337	4.19	1 / 1	18.02	22.21	0.166	33.01	-10.80	
	16-QAM	2592.99	H	150	329	4.00	1 / 1	17.48	21.48	0.141	33.01	-11.53	
	16-QAM	2644.98	H	143	330	4.36	1 / 1	16.68	21.03	0.127	33.01	-11.98	
	1/2 BPSK	2536.02	H	150	337	4.19	1 / 1	18.79	22.98	0.199	33.01	-10.03	
	1/2 BPSK	2592.99	H	150	329	4.00	1 / 1	18.07	22.07	0.161	33.01	-10.94	
	1/2 BPSK	2649.99	H	143	330	4.40	1 / 1	17.06	21.46	0.140	33.01	-11.55	
	QPSK	2536.02	H	150	337	4.19	1 / 1	19.15	23.34	0.216	33.01	-9.67	
	QPSK	2592.99	H	150	329	4.00	1 / 1	18.03	22.03	0.160	33.01	-10.98	
	QPSK	2649.99	H	143	330	4.40	1 / 1	17.37	21.77	0.150	33.01	-11.24	
80 MHz	16-QAM	2536.02	H	150	337	4.19	1 / 1	18.01	22.20	0.166	33.01	-10.81	
	16-QAM	2592.99	H	150	329	4.00	1 / 1	17.31	21.31	0.135	33.01	-11.70	
	16-QAM	2649.99	H	143	330	4.40	1 / 1	16.54	20.94	0.124	33.01	-12.07	
	1/2 BPSK	2531.01	H	150	337	4.18	1 / 1	18.68	22.86	0.193	33.01	-10.15	
	1/2 BPSK	2592.99	H	150	329	4.00	1 / 187	18.00	22.00	0.158	33.01	-11.01	
	1/2 BPSK	2655.00	H	143	330	4.42	1 / 1	16.93	21.34	0.136	33.01	-11.67	
	QPSK	2531.01	H	150	337	4.18	1 / 1	19.04	23.22	0.210	33.01	-9.79	
	QPSK	2592.99	H	150	329	4.00	1 / 187	17.97	21.97	0.157	33.01	-11.04	
	QPSK	2655.00	H	143	330	4.42	1 / 1	17.24	21.65	0.146	33.01	-11.36	
	16-QAM	2531.01	H	150	337	4.18	1 / 1	17.91	22.09	0.162	33.01	-10.92	
	16-QAM	2592.99	H	150	329	4.00	1 / 187	17.24	21.24	0.133	33.01	-11.77	
	16-QAM	2655.00	H	143	330	4.42	1 / 1	16.44	20.85	0.122	33.01	-12.16	
70 MHz	1/2 BPSK	2526.00	H	150	337	4.18	1 / 1	18.64	22.82	0.191	33.01	-10.19	
	1/2 BPSK	2592.99	H	150	329	4.00	1 / 181	17.95	21.95	0.157	33.01	-11.06	
	1/2 BPSK	2659.98	H	143	330	4.43	1 / 160	16.83	21.26	0.134	33.01	-11.75	
	QPSK	2526.00	H	150	337	4.18	1 / 1	18.98	23.16	0.207	33.01	-9.85	
	QPSK	2592.99	H	150	329	4.00	1 / 160	17.90	21.90	0.155	33.01	-11.11	
	QPSK	2659.98	H	143	330	4.43	1 / 160	17.11	21.54	0.143	33.01	-11.47	
	16-QAM	2526.00	H	150	337	4.18	1 / 1	17.81	21.99	0.158	33.01	-11.02	
	16-QAM	2592.99	H	150	329	4.00	1 / 160	17.22	21.22	0.132	33.01	-11.79	
	16-QAM	2659.98	H	143	330	4.43	1 / 160	16.26	20.69	0.117	33.01	-12.32	
	60 MHz	1/2 BPSK	2521.02	H	150	337	4.18	1 / 1	18.54	22.72	0.187	33.01	-10.29
		1/2 BPSK	2592.99	H	150	329	4.00	1 / 131	17.91	21.91	0.155	33.01	-11.10
		1/2 BPSK	2664.99	H	143	330	4.45	1 / 131	16.82	21.27	0.134	33.01	-11.74
QPSK		2521.02	H	150	337	4.18	1 / 1	18.90	23.08	0.203	33.01	-9.93	
QPSK		2592.99	H	150	329	4.00	1 / 131	17.87	21.87	0.154	33.01	-11.14	
QPSK		2664.99	H	143	330	4.45	1 / 131	17.10	21.55	0.143	33.01	-11.46	
16-QAM		2521.02	H	150	337	4.18	1 / 1	17.76	21.94	0.156	33.01	-11.07	
16-QAM		2592.99	H	150	329	4.00	1 / 131	17.12	21.12	0.129	33.01	-11.89	
16-QAM		2664.99	H	143	330	4.45	1 / 131	16.26	20.71	0.118	33.01	-12.30	
50 MHz		1/2 BPSK	2516.01	H	150	337	4.18	1 / 1	18.51	22.69	0.186	33.01	-10.32
		1/2 BPSK	2592.99	H	150	329	4.00	1 / 66	17.92	21.92	0.156	33.01	-11.09
		1/2 BPSK	2670.00	H	143	330	4.47	1 / 1	16.70	21.16	0.131	33.01	-11.85
	QPSK	2516.01	H	150	337	4.18	1 / 1	18.87	23.05	0.202	33.01	-9.96	
	QPSK	2592.99	H	150	329	4.00	1 / 131	17.89	21.89	0.154	33.01	-11.12	
	QPSK	2670.00	H	143	330	4.47	1 / 1	17.01	21.47	0.140	33.01	-11.54	
	16-QAM	2516.01	H	150	337	4.18	1 / 1	17.73	21.91	0.155	33.01	-11.10	
	16-QAM	2592.99	H	150	329	4.00	1 / 131	17.17	21.17	0.131	33.01	-11.84	
	16-QAM	2670.00	H	143	330	4.47	1 / 1	16.18	20.64	0.116	33.01	-12.37	
	40 MHz	1/2 BPSK	2511.00	H	150	337	4.18	1 / 1	18.47	22.64	0.184	33.01	-10.37
		1/2 BPSK	2592.99	H	150	329	4.00	1 / 131	17.93	21.93	0.156	33.01	-11.08
		1/2 BPSK	2674.98	H	143	330	4.48	1 / 66	16.71	21.19	0.132	33.01	-11.82
QPSK		2511.00	H	150	337	4.18	1 / 1	18.83	23.00	0.200	33.01	-10.01	
QPSK		2592.99	H	150	329	4.00	1 / 131	17.89	21.89	0.154	33.01	-11.12	
QPSK		2674.98	H	143	330	4.48	1 / 131	17.01	21.49	0.141	33.01	-11.52	
16-QAM		2511.00	H	150	337	4.18	1 / 1	17.69	21.86	0.154	33.01	-11.15	
16-QAM		2592.99	H	150	329	4.00	1 / 131	17.18	21.18	0.131	33.01	-11.83	
16-QAM		2674.98	H	143	330	4.48	1 / 66	16.22	20.70	0.118	33.01	-12.31	
30 MHz		1/2 BPSK	2506.02	H	150	337	4.17	1 / 1	18.46	22.63	0.183	33.01	-10.38
		1/2 BPSK	2592.99	H	150	329	4.00	1 / 131	17.92	21.92	0.156	33.01	-11.09
		1/2 BPSK	2679.99	H	143	330	4.50	1 / 66	16.64	21.14	0.130	33.01	-11.87
	QPSK	2506.02	H	150	337	4.17	1 / 1	18.82	22.99	0.199	33.01	-10.02	
	QPSK	2592.99	H	150	329	4.00	1 / 131	17.90	21.90	0.155	33.01	-11.11	
	QPSK	2679.99	H	143	330	4.50	1 / 66	17.00	21.50	0.141	33.01	-11.51	
	16-QAM	2506.02	H	150	337	4.17	1 / 1	17.68	21.85	0.153	33.01	-11.16	
	16-QAM	2592.99	H	150	329	4.00	1 / 131	17.18	21.18	0.131	33.01	-11.83	
	16-QAM	2679.99	H	143	330	4.50	1 / 66	16.11	20.61	0.115	33.01	-12.40	
	20 MHz	1/2 BPSK	2503.50	H	150	337	4.17	1 / 1	18.47	22.64	0.184	33.01	-10.37
		1/2 BPSK	2592.99	H	150	329	4.00	1 / 131	17.91	21.91	0.155	33.01	-11.10
		1/2 BPSK	2682.50	H	143	330	4.50	1 / 66	16.70	21.20	0.132	33.01	-11.81
QPSK		2503.50	H	150	337	4.17	1 / 1	18.83	23.00	0.200	33.01	-10.01	
QPSK		2592.99	H	150	329	4.00	1 / 131	17.87	21.87	0.154	33.01	-11.14	
QPSK		2682.50	H	143	330	4.50	1 / 66	16.93	21.43	0.139	33.01	-11.58	
16-QAM		2503.50	H	150	337	4.17	1 / 66	17.73	21.90	0.155	33.01	-11.11	
16-QAM		2592.99	H	150	329	4.00	1 / 131	17.17	21.17	0.131	33.01	-11.84	
16-QAM		2682.50	H	143	330	4.50	1 / 66	16.11	20.61	0.115	33.01	-12.40	
15 MHz		1/2 BPSK	2501.00	H	150	337	4.17	1 / 1	18.45	22.62	0.183	33.01	-10.39
		1/2 BPSK	2592.99	H	150	329	4.00	1 / 66	17.89	21.89	0.154	33.01	-11.12
		1/2 BPSK	2685.00	H	143	330	4.50	1 / 66	16.62	21.12	0.130	33.01	-11.89
	QPSK	2501.00	H	150	337	4.17	1 / 1	18.81	22.98	0.199	33.01	-10.03	
	QPSK	2592.99	H	150	329	4.00	1 / 131	17.85	21.85	0.153	33.01	-11.16	
	QPSK	2685.00	H	143	330	4.50	1 / 66	16.91	21.41	0.138	33.01	-11.60	
	16-QAM	2501.00	H	150	337	4.17	1 / 66	17.68	21.88	0.153	33.01	-11.17	
	16-QAM	2592.99	H	150	329	4.00	1 / 131	17.13	21.13	0.130	33.01	-11.88	
	16-QAM	2685.00	H	143	330	4.50	1 / 131	16.13	20.63	0.116	33.01	-12.38	
	100 MHz	QPSK (CP-OFDM)	2546.01	H	150	337	4.19	1 / 136	17.74	21.93	0.156	33.01	-11.08
		QPSK (Opposite Pol.)	2546.01	V	179	56	4.13	1 / 136	16.81	20.94	0.124	33.01	-12.07
		QPSK (WCP)	2546.01	H	150	337	4.19	1 / 136	18.06	22.25	0.168	33.01	-10.07

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	V	111	33	4.15	1 / 50	18.75	22.90	0.195	33.01	-10.11
	QPSK	2593.0	V	118	40	4.14	1 / 99	19.85	23.99	0.251	33.01	-9.02
	QPSK	2680.0	V	108	37	4.49	1 / 0	19.03	23.52	0.225	33.01	-9.49
	16-QAM	2506.0	V	111	33	4.15	1 / 50	17.72	21.87	0.154	33.01	-11.14
	16-QAM	2593.0	V	118	40	4.14	1 / 99	18.55	22.69	0.186	33.01	-10.32
	16-QAM	2680.0	V	108	37	4.49	1 / 0	17.93	22.42	0.175	33.01	-10.59
15 MHz	QPSK	2503.5	V	111	33	4.15	1 / 74	18.74	22.89	0.194	33.01	-10.12
	QPSK	2593.0	V	118	40	4.14	1 / 74	19.87	24.01	0.252	33.01	-9.00
	QPSK	2682.5	V	108	37	4.50	75 / 0	19.06	23.55	0.227	33.01	-9.46
	16-QAM	2503.5	V	111	33	4.15	1 / 74	18.85	23.00	0.199	33.01	-10.01
	16-QAM	2593.0	V	118	40	4.14	1 / 74	19.71	23.85	0.243	33.01	-9.16
	16-QAM	2682.5	V	108	37	4.50	75 / 0	17.96	22.45	0.176	33.01	-10.56
10 MHz	QPSK	2501.0	V	111	33	4.15	50 / 0	18.72	22.87	0.194	33.01	-10.14
	QPSK	2593.0	V	118	40	4.14	50 / 0	19.83	23.97	0.250	33.01	-9.04
	QPSK	2685.0	V	108	37	4.50	50 / 0	19.04	23.54	0.226	33.01	-9.47
	16-QAM	2501.0	V	111	33	4.15	50 / 0	17.73	21.88	0.154	33.01	-11.13
	16-QAM	2593.0	V	118	40	4.14	50 / 0	18.56	22.70	0.186	33.01	-10.31
	16-QAM	2685.0	V	108	37	4.50	50 / 0	17.97	22.47	0.177	33.01	-10.54
5 MHz	QPSK	2498.5	V	111	33	4.14	25 / 0	18.77	22.91	0.195	33.01	-10.10
	QPSK	2593.0	V	118	40	4.14	1 / 24	19.86	24.00	0.251	33.01	-9.01
	QPSK	2687.5	V	108	37	4.50	25 / 0	18.98	23.48	0.223	33.01	-9.53
	16-QAM	2498.5	V	111	33	4.14	25 / 0	17.75	21.89	0.154	33.01	-11.12
	16-QAM	2593.0	V	118	40	4.14	1 / 24	19.70	23.84	0.242	33.01	-9.17
	16-QAM	2687.5	V	108	37	4.50	25 / 0	17.89	22.39	0.173	33.01	-10.62
20 MHz	Opposite Pol.	2593.0	H	146	353	4.00	1 / 0	18.75	22.75	0.188	33.01	-10.26
	WCP	2593.0	V	118	51	4.14	1 / 99	16.19	20.33	0.108	33.01	-12.68

Table 7-29. EIRP Data (LTE Band 41(PC2)) – Ant2

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	V	111	33	4.15	1 / 50	16.21	20.36	0.109	33.01	-12.65
	QPSK	2593.0	V	118	42	4.14	1 / 99	17.59	21.73	0.149	33.01	-11.28
	QPSK	2680.0	V	108	39	4.49	1 / 0	16.67	21.16	0.131	33.01	-11.85
	16-QAM	2506.0	V	111	33	4.15	1 / 50	14.33	18.48	0.070	33.01	-14.53
	16-QAM	2593.0	V	118	42	4.14	1 / 99	15.25	19.39	0.087	33.01	-13.62
	16-QAM	2680.0	V	108	39	4.49	1 / 0	14.54	19.03	0.080	33.01	-13.98
15 MHz	QPSK	2503.5	V	111	33	4.15	1 / 74	16.18	20.33	0.108	33.01	-12.68
	QPSK	2593.0	V	118	42	4.14	1 / 74	17.62	21.76	0.150	33.01	-11.25
	QPSK	2682.5	V	108	39	4.50	1 / 0	16.66	21.15	0.130	33.01	-11.86
	16-QAM	2503.5	V	111	33	4.15	1 / 74	14.32	18.47	0.070	33.01	-14.54
	16-QAM	2593.0	V	118	42	4.14	1 / 74	15.29	19.43	0.088	33.01	-13.58
	16-QAM	2682.5	V	108	39	4.50	1 / 0	14.53	19.02	0.080	33.01	-13.99
10 MHz	QPSK	2501.0	V	111	33	4.15	1 / 0	16.18	20.33	0.108	33.01	-12.68
	QPSK	2593.0	V	118	42	4.14	1 / 49	17.58	21.72	0.149	33.01	-11.29
	QPSK	2685.0	V	108	39	4.50	1 / 0	16.66	21.16	0.131	33.01	-11.85
	16-QAM	2501.0	V	111	33	4.15	1 / 0	14.32	18.47	0.070	33.01	-14.54
	16-QAM	2593.0	V	118	42	4.14	1 / 49	15.16	19.30	0.085	33.01	-13.71
	16-QAM	2685.0	V	108	39	4.50	1 / 0	14.53	19.03	0.080	33.01	-13.98
5 MHz	QPSK	2498.5	V	111	33	4.14	1 / 24	16.21	20.35	0.108	33.01	-12.66
	QPSK	2593.0	V	118	42	4.14	1 / 24	17.62	21.76	0.150	33.01	-11.25
	QPSK	2687.5	V	108	39	4.50	1 / 0	16.65	21.15	0.130	33.01	-11.86
	16-QAM	2498.5	V	111	33	4.14	1 / 24	14.29	18.43	0.070	33.01	-14.58
	16-QAM	2593.0	V	118	42	4.14	1 / 24	15.26	19.40	0.087	33.01	-13.61
	16-QAM	2687.5	V	108	39	4.50	1 / 0	14.43	18.93	0.078	33.01	-14.08
20 MHz	Opposite Pol.	2593.0	H	146	353	4.00	1 / 0	16.53	20.53	0.113	33.01	-12.48
	WCP	2593.0	V	115	45	4.14	1 / 99	14.84	18.98	0.079	33.01	-14.03

Table 7-30. EIRP Data (LTE Band 41(PC3)) – Ant2

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 112 of 134

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]
100 MHz	11/2 BPSK	2546.01	H	115	229	4.19	1 / 271	17.22	21.41	0.138	33.01	-11.60
	11/2 BPSK	2592.99	H	115	231	4.00	1 / 271	19.59	23.59	0.229	33.01	-9.42
	11/2 BPSK	2640.00	H	115	229	4.31	1 / 136	19.96	24.27	0.267	33.01	-8.74
	QPSK	2546.01	H	115	229	4.19	1 / 271	17.02	21.21	0.132	33.01	-11.80
	QPSK	2592.99	H	115	231	4.00	1 / 271	19.17	23.17	0.207	33.01	-9.84
	QPSK	2640.00	H	115	229	4.31	1 / 136	19.66	23.97	0.250	33.01	-9.04
	16-QAM	2546.01	H	115	229	4.19	1 / 271	16.19	20.38	0.109	33.01	-12.63
	16-QAM	2592.99	H	115	231	4.00	1 / 271	18.40	22.40	0.174	33.01	-10.61
	16-QAM	2640.00	H	115	229	4.31	1 / 136	19.38	23.69	0.234	33.01	-9.32
	11/2 BPSK	2541.00	H	115	229	4.19	1 / 243	17.14	21.33	0.136	33.01	-11.68
	11/2 BPSK	2592.99	H	115	231	4.00	1 / 1	19.50	23.50	0.224	33.01	-9.51
	11/2 BPSK	2644.98	H	115	229	4.36	1 / 243	19.92	24.27	0.267	33.01	-8.74
90 MHz	QPSK	2541.00	H	115	229	4.19	1 / 243	16.93	21.12	0.129	33.01	-11.89
	QPSK	2592.99	H	115	231	4.00	1 / 1	19.10	23.10	0.204	33.01	-9.91
	QPSK	2644.98	H	115	229	4.36	1 / 243	19.59	23.94	0.248	33.01	-9.07
	16-QAM	2541.00	H	115	229	4.19	1 / 243	16.04	20.23	0.105	33.01	-12.78
	16-QAM	2592.99	H	115	231	4.00	1 / 1	18.35	22.35	0.172	33.01	-10.66
	16-QAM	2644.98	H	115	229	4.36	1 / 243	19.26	23.61	0.230	33.01	-9.40
	11/2 BPSK	2536.02	H	115	229	4.19	1 / 1	17.08	21.25	0.133	33.01	-11.76
	11/2 BPSK	2592.99	H	115	231	4.00	1 / 1	19.41	23.41	0.219	33.01	-9.60
	11/2 BPSK	2649.99	H	115	229	4.40	1 / 1	19.46	23.86	0.243	33.01	-9.15
	QPSK	2536.02	H	115	229	4.19	1 / 1	16.87	21.06	0.128	33.01	-11.95
	QPSK	2592.99	H	115	231	4.00	1 / 1	18.99	22.99	0.199	33.01	-10.02
	QPSK	2649.99	H	115	229	4.40	1 / 1	19.10	23.50	0.224	33.01	-9.51
80 MHz	16-QAM	2536.02	H	115	229	4.19	1 / 1	15.87	20.06	0.101	33.01	-12.95
	16-QAM	2592.99	H	115	231	4.00	1 / 1	18.22	22.22	0.167	33.01	-10.79
	16-QAM	2649.99	H	115	229	4.31	1 / 1	19.03	23.34	0.216	33.01	-9.67
	11/2 BPSK	2531.01	H	115	229	4.18	1 / 1	16.95	21.13	0.130	33.01	-11.88
	11/2 BPSK	2592.99	H	115	231	4.00	1 / 1	19.32	23.32	0.215	33.01	-9.69
	11/2 BPSK	2655.00	H	115	229	4.42	1 / 187	19.58	23.99	0.251	33.01	-9.02
	QPSK	2531.01	H	115	229	4.18	1 / 1	16.76	20.94	0.124	33.01	-12.07
	QPSK	2592.99	H	115	231	4.00	1 / 1	18.91	22.91	0.195	33.01	-10.10
	QPSK	2655.00	H	115	229	4.42	1 / 187	19.27	23.68	0.233	33.01	-9.33
	16-QAM	2531.01	H	115	229	4.19	1 / 187	15.90	20.09	0.102	33.01	-12.92
	16-QAM	2592.99	H	115	231	4.00	1 / 1	18.14	22.14	0.164	33.01	-10.87
	16-QAM	2655.00	H	115	229	4.42	1 / 187	19.07	23.48	0.223	33.01	-9.53
70 MHz	11/2 BPSK	2526.00	H	115	229	4.18	1 / 1	16.89	21.07	0.128	33.01	-11.94
	11/2 BPSK	2592.99	H	115	231	4.00	1 / 81	19.25	23.25	0.211	33.01	-9.76
	11/2 BPSK	2659.98	H	115	229	4.43	1 / 160	19.58	24.01	0.252	33.01	-9.00
	QPSK	2526.00	H	115	229	4.18	1 / 1	16.74	20.92	0.124	33.01	-12.09
	QPSK	2592.99	H	115	231	4.00	1 / 81	18.83	22.83	0.192	33.01	-10.18
	QPSK	2659.98	H	115	229	4.43	1 / 160	19.25	23.68	0.233	33.01	-9.33
	16-QAM	2526.00	H	115	229	4.19	1 / 160	15.84	20.03	0.101	33.01	-12.98
	16-QAM	2592.99	H	115	231	4.00	1 / 1	18.13	22.13	0.163	33.01	-10.88
	16-QAM	2659.98	H	115	229	4.43	1 / 160	19.09	23.52	0.225	33.01	-9.49
	11/2 BPSK	2521.02	H	115	229	4.18	1 / 131	16.93	21.11	0.129	33.01	-11.90
	11/2 BPSK	2592.99	H	115	231	4.00	1 / 66	19.21	23.21	0.209	33.01	-9.80
	11/2 BPSK	2664.99	H	115	229	4.45	1 / 131	19.58	24.03	0.253	33.01	-8.98
	60 MHz	QPSK	2521.02	H	115	229	4.18	1 / 131	16.73	20.91	0.123	33.01
QPSK		2592.99	H	115	231	4.00	1 / 66	18.81	22.81	0.191	33.01	-10.20
QPSK		2664.99	H	115	229	4.45	1 / 131	19.28	23.73	0.236	33.01	-9.28
16-QAM		2521.02	H	115	229	4.19	1 / 1	15.72	19.91	0.098	33.01	-13.10
16-QAM		2592.99	H	115	231	4.00	1 / 66	18.06	22.06	0.161	33.01	-10.95
16-QAM		2664.99	H	115	229	4.45	1 / 131	19.48	23.93	0.247	33.01	-9.08
11/2 BPSK		2516.01	H	115	229	4.18	1 / 1	16.80	20.98	0.125	33.01	-12.03
11/2 BPSK		2592.99	H	115	231	4.00	1 / 53	19.25	23.25	0.211	33.01	-9.76
11/2 BPSK		2670.00	H	115	229	4.47	1 / 104	19.48	23.94	0.248	33.01	-9.07
QPSK		2516.01	H	115	229	4.18	1 / 1	16.61	20.79	0.120	33.01	-12.22
QPSK		2592.99	H	115	231	4.00	1 / 53	18.82	22.82	0.191	33.01	-10.19
QPSK		2670.00	H	115	229	4.47	1 / 104	19.16	23.62	0.230	33.01	-9.39
16-QAM		2516.01	H	115	229	4.19	1 / 104	15.71	19.90	0.098	33.01	-13.11
16-QAM	2592.99	H	115	231	4.00	1 / 53	18.03	22.03	0.160	33.01	-10.98	
50 MHz	16-QAM	2670.00	H	115	229	4.47	1 / 104	18.94	23.40	0.219	33.01	-9.61
	11/2 BPSK	2511.00	H	115	229	4.18	1 / 76	16.80	20.97	0.125	33.01	-12.04
	11/2 BPSK	2592.99	H	115	231	4.00	1 / 39	19.24	23.24	0.211	33.01	-9.77
	11/2 BPSK	2674.98	H	115	229	4.48	1 / 76	19.50	23.98	0.250	33.01	-9.03
	QPSK	2511.00	H	115	229	4.18	1 / 76	16.62	20.79	0.120	33.01	-12.22
	QPSK	2592.99	H	115	231	4.00	1 / 39	18.84	22.84	0.192	33.01	-10.17
	QPSK	2674.98	H	115	229	4.48	1 / 76	19.20	23.68	0.233	33.01	-9.33
	16-QAM	2511.00	H	115	229	4.19	1 / 76	15.75	19.94	0.099	33.01	-13.07
	16-QAM	2592.99	H	115	231	4.00	1 / 76	18.08	22.08	0.161	33.01	-10.93
	16-QAM	2674.98	H	115	229	4.48	1 / 76	19.04	23.52	0.225	33.01	-9.49
	11/2 BPSK	2506.02	H	115	229	4.17	1 / 49	16.76	20.93	0.124	33.01	-12.08
	11/2 BPSK	2592.99	H	115	231	4.00	1 / 25	19.23	23.23	0.210	33.01	-9.78
	11/2 BPSK	2679.99	H	115	229	4.50	1 / 49	19.48	23.98	0.250	33.01	-9.03
40 MHz	QPSK	2506.02	H	115	229	4.17	1 / 49	16.58	20.75	0.119	33.01	-12.26
	QPSK	2592.99	H	115	231	4.00	1 / 25	18.83	22.83	0.192	33.01	-10.18
	QPSK	2679.99	H	115	229	4.50	1 / 49	19.10	23.60	0.229	33.01	-9.41
	16-QAM	2506.02	H	115	229	4.19	1 / 49	15.58	19.77	0.095	33.01	-13.24
	16-QAM	2592.99	H	115	231	4.00	1 / 49	18.03	22.03	0.160	33.01	-10.98
	16-QAM	2679.99	H	115	229	4.50	1 / 49	18.92	23.42	0.220	33.01	-9.59
	11/2 BPSK	2503.50	H	115	229	4.17	1 / 49	16.78	20.95	0.124	33.01	-12.06
	11/2 BPSK	2592.99	H	115	231	4.00	1 / 25	19.25	23.25	0.211	33.01	-9.76
	11/2 BPSK	2682.50	H	115	229	4.50	1 / 49	19.54	24.04	0.254	33.01	-8.97
	QPSK	2503.50	H	115	229	4.17	1 / 49	16.61	20.78	0.120	33.01	-12.23
	QPSK	2592.99	H	115	231	4.00	1 / 25	18.83	22.83	0.192	33.01	-10.18
	QPSK	2682.50	H	115	229	4.50	1 / 49	19.09	23.59	0.229	33.01	-9.42
	16-QAM	2503.50	H	115	229	4.19	1 / 49	15.79	19.98	0.100	33.01	-13.03
16-QAM	2592.99	H	115	231	4.00	1 / 49	18.06	22.06	0.161	33.01	-10.95	
16-QAM	2682.50	H	115	229	4.50	1 / 49	18.93	23.43	0.220	33.01	-9.58	
30 MHz	11/2 BPSK	2501.00	H	115	229	4.17	1 / 1	16.77	20.94	0.124	33.01	-12.07
	11/2 BPSK	2592.99	H	115	231	4.00	1 / 25	19.25	23.25	0.211	33.01	-9.76
	11/2 BPSK	2685.00	H	115	229	4.50	1 / 25	19.52	24.02	0.253	33.01	-8.99
	QPSK	2501.00	H	115	229	4.17	1 / 1	16.58	20.75	0.119	33.01	-12.26
	QPSK	2592.99	H	115	231	4.00	1 / 25	18.82	22.82	0.191	33.01	-10.19
	QPSK	2685.00	H	115	229	4.50	1 / 25	19.04	23.54	0.226	33.01	-9.47
	16-QAM	2501.00	H	115	229	4.19	1 / 25	15.64	19.83	0.096	33.01	-13.18
	16-QAM	2592.99	H	115	231	4.00	1 / 49	18.04	22.04	0.160	33.01	

7.7 Radiated Spurious Emissions Measurements

Test Overview

Radiated spurious emissions measurements are performed using the field strength conversion method described in ANSI C63.26:2015 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using hybrid (biconical/log) antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed as RMS measurements while the EUT is operating at maximum power, and at the appropriate frequencies.

Test Procedures Used

ANSI C63.26:2015 – Section 5.5.4

Test Settings

1. RBW = 100kHz for emissions below 1GHz and 1MHz for emissions above 1GHz
2. VBW $\geq 3 \times$ RBW
3. Span = 1.5 times the OBW
4. No. of sweep points $\geq 2 \times$ span / RBW
5. Detector = RMS
6. Trace mode = Average (Max Hold for pulsed emissions)
7. The trace was allowed to stabilize

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 114 of 134

Test Setup

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

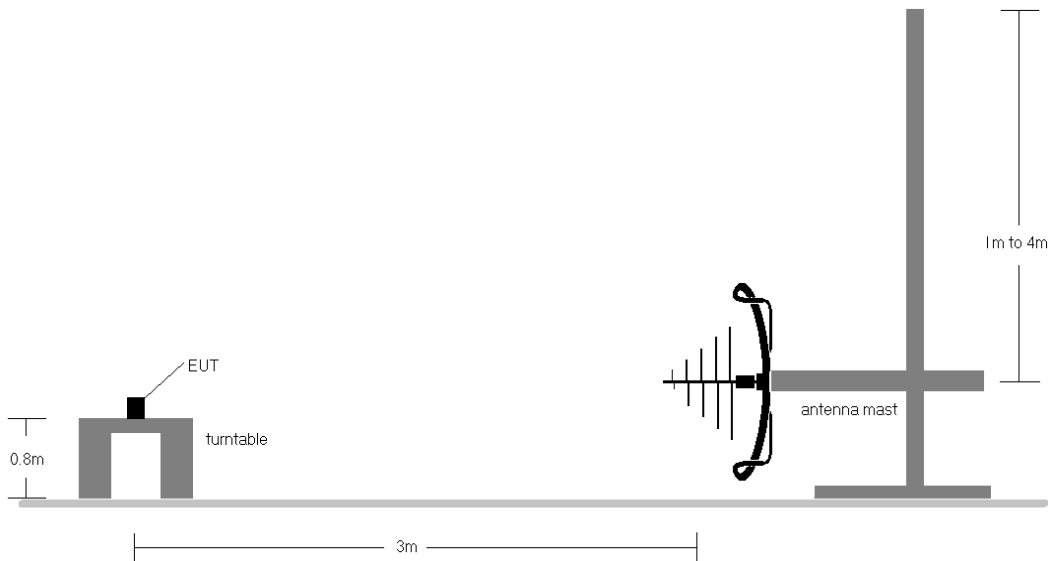


Figure 7-7. Test Instrument & Measurement Setup < 1GHz

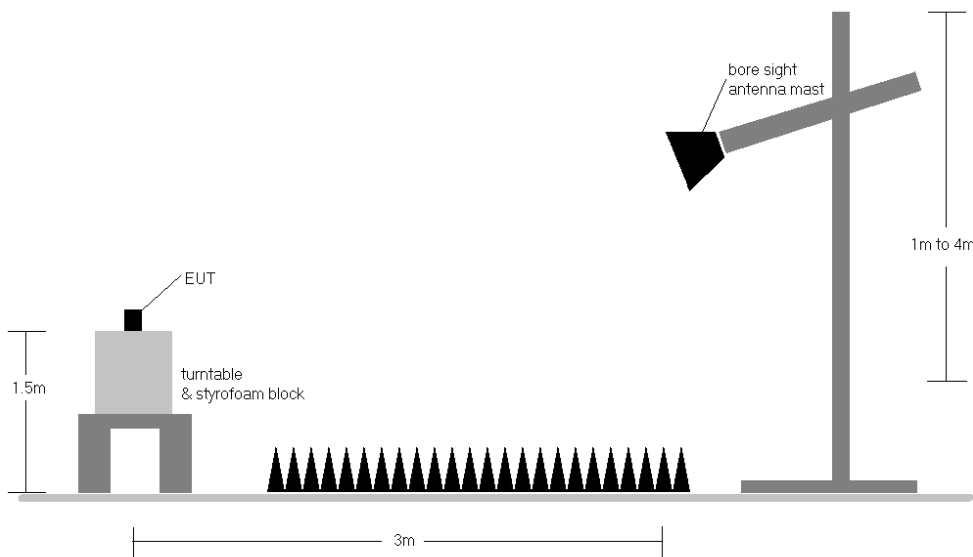


Figure 7-8. Test Instrument & Measurement Setup >1 GHz

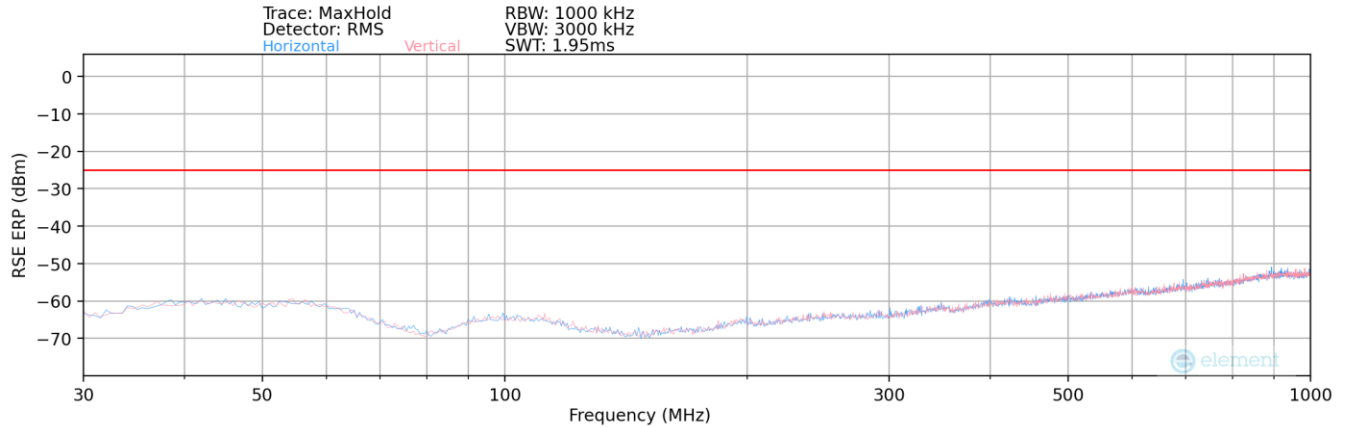
FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 115 of 134

Test Notes

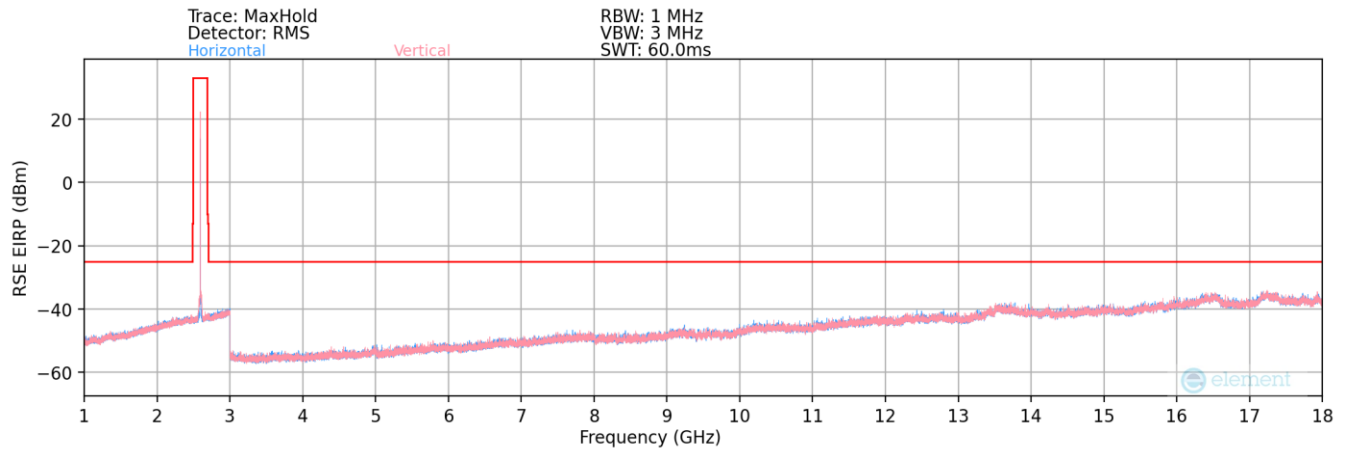
- 1) Field strengths are calculated using the Measurement quantity conversions in ANSI C63.26:2015 Section 5.2.7:
 - a) $E(\text{dB}\mu\text{V/m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - b) $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V/m}) + 20\log D - 104.8$; where D is the measurement distance in meters.
- 2) 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.
- 3) This unit was tested with its standard battery.
- 4) The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
- 5) Emissions below 18GHz were measured at a 3-meter test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
- 6) The "-" shown in the following RSE tables are used to denote a noise floor measurement.
- 7) 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: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 116 of 134

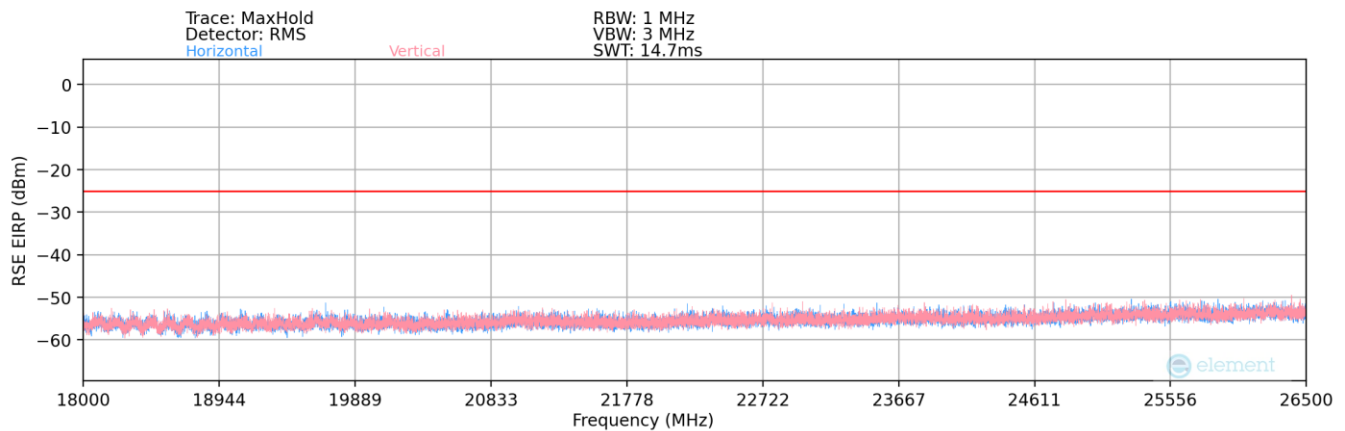
LTE Band 41(PC2) – Ant1



Plot 7-129. Radiated Spurious Plot (LTE Band 41(PC2)) – Ant1



Plot 7-130. Radiated Spurious Plot (LTE Band 41(PC2)) – Ant1



Plot 7-131. Radiated Spurious Plot (LTE Band 41(PC2)) – Ant1

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 117 of 134

Bandwidth (MHz):	20
Frequency (MHz):	2593.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
125.00	H	366	27	-66.96	-15.89	24.15	-73.26	-25.00	-48.26
350.00	H	199	13	-75.69	-9.16	22.15	-75.25	-25.00	-50.25

Table 7-32. Radiated Spurious Data (LTE Band 41(PC2)) – Ant1

Bandwidth (MHz):	20
Frequency (MHz):	2506.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5012.00	H	107	151	-73.98	7.42	40.44	-54.82	-25.00	-29.82
7518.00	H	105	306	-71.65	12.34	47.69	-47.56	-25.00	-22.56
10024.00	H	-	-	-76.54	14.69	45.15	-50.10	-25.00	-25.10
12530.00	H	-	-	-76.71	18.42	48.71	-46.55	-25.00	-21.55
15036.00	H	-	-	-77.72	21.34	50.62	-44.63	-25.00	-19.63

Table 7-33. Radiated Spurious Data (LTE Band 41(PC2) – Low Channel) – Ant1

Bandwidth (MHz):	20
Frequency (MHz):	2593.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.00	H	183	263	-68.11	7.17	46.06	-49.20	-25.00	-24.20
7779.00	H	112	314	-72.55	12.33	46.78	-48.48	-25.00	-23.48
10372.00	H	-	-	-76.08	15.79	46.71	-48.55	-25.00	-23.55
12965.00	H	-	-	-77.23	18.79	48.56	-46.70	-25.00	-21.70
15558.00	H	-	-	-78.05	21.96	50.91	-44.35	-25.00	-19.35

Table 7-34. Radiated Spurious Data (LTE Band 41(PC2) – Mid Channel) – Ant1

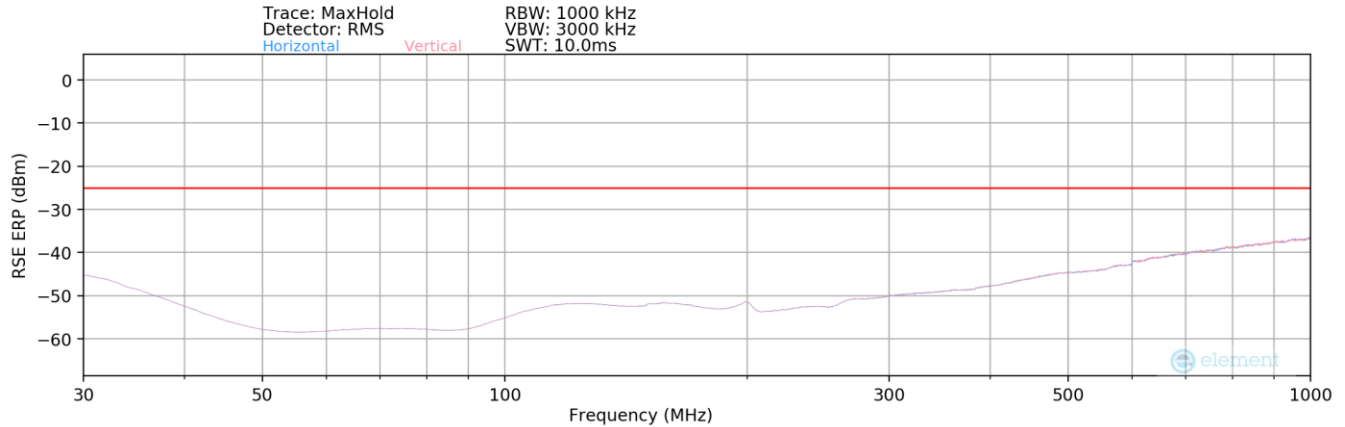
Bandwidth (MHz):	20
Frequency (MHz):	2680.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5360.00	H	363	188	-74.06	8.01	40.95	-54.31	-25.00	-29.31
8040.00	H	118	319	-74.43	12.33	44.90	-50.36	-25.00	-25.36
10720.00	H	-	-	-76.59	16.59	47.00	-48.26	-25.00	-23.26
13400.00	H	-	-	-77.42	19.51	49.09	-46.16	-25.00	-21.16
16080.00	H	-	-	-77.98	23.06	52.08	-43.18	-25.00	-18.18

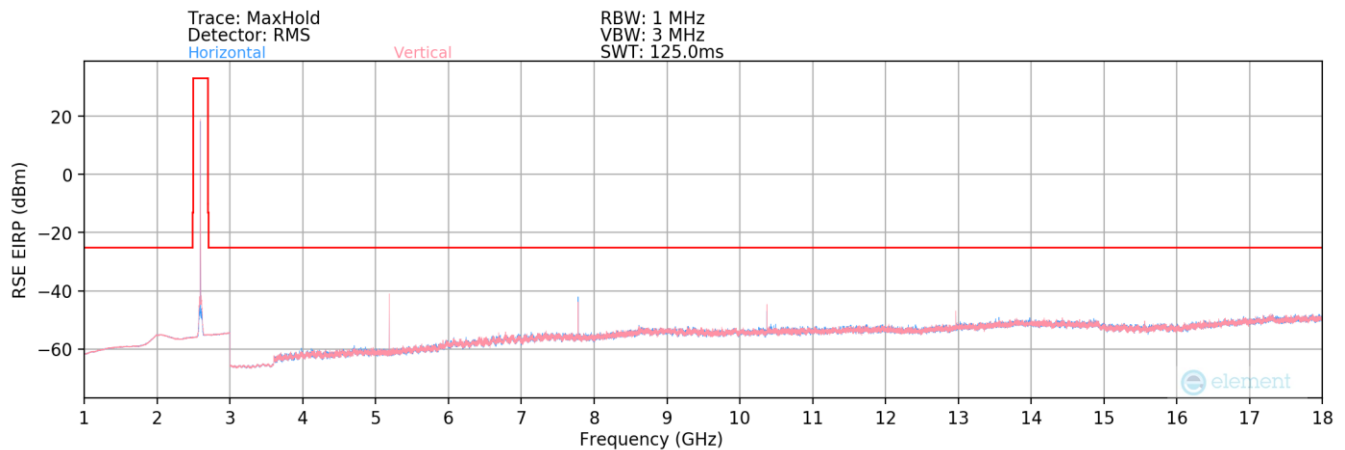
Table 7-35. Radiated Spurious Data (LTE Band 41(PC2) – High Channel) – Ant1

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 118 of 134

LTE Band 41(PC3) – Ant1



Plot 7-132. Radiated Spurious Plot (LTE Band 41(PC3)) – Ant1



Plot 7-133. Radiated Spurious Plot (LTE Band 41(PC3)) – Ant1

Bandwidth (MHz):	20
Frequency (MHz):	2593.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
200.00	H	-	-	-76.53	20.10	50.57	-46.83	-25.00	-21.83

Table 7-36. Radiated Spurious Data (LTE Band 41(PC3)) – Ant1

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT						Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset				Page 119 of 134	

Bandwidth (MHz):	20
Frequency (MHz):	2506.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5012.00	H	121	49	-46.98	3.01	63.03	-32.23	-25.00	-7.23
7518.00	H	274	315	-62.17	9.31	54.14	-41.12	-25.00	-16.12
10024.00	H	254	312	-67.20	11.51	51.31	-43.95	-25.00	-18.95
12530.00	H	-	-	-69.08	13.23	51.15	-44.11	-25.00	-19.11
15036.00	H	-	-	-81.04	14.22	40.18	-55.08	-25.00	-30.08
17542.00	H	-	-	-81.09	16.76	42.67	-52.58	-25.00	-27.58

Table 7-37. Radiated Spurious Data (LTE Band 41(PC3) – Low Channel) – Ant1

Bandwidth (MHz):	20
Frequency (MHz):	2593.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	xs	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.00	H	123	45	-46.98	3.36	63.38	-31.87	-25.00	-6.87
7779.00	H	270	361	-62.17	8.63	53.46	-41.80	-25.00	-16.80
10372.00	H	260	283	-67.20	12.21	52.01	-43.24	-25.00	-18.24
12965.00	H	348	228	-69.08	14.39	52.31	-42.95	-25.00	-17.95
15558.00	H	351	147	-77.43	13.63	43.20	-52.06	-25.00	-27.06
18151.00	H	-	-	-53.38	1.05	54.67	-40.59	-25.00	-15.59
20744.00	H	-	-	-55.42	2.50	54.08	-50.72	-25.00	-25.72
23337.00	H	-	-	-54.52	3.74	56.22	-48.58	-25.00	-23.58

Table 7-38. Radiated Spurious Data (LTE Band 41(PC3) – Mid Channel) – Ant1

Bandwidth (MHz):	20
Frequency (MHz):	2680.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5360.00	H	129	55	-63.50	3.38	46.88	-48.38	-25.00	-23.38
8040.00	H	274	27	-76.73	9.46	39.73	-55.52	-25.00	-30.52
10720.00	H	180	313	-76.94	12.84	42.90	-52.35	-25.00	-27.35
13400.00	H	-	-	-80.80	14.92	41.12	-54.13	-25.00	-29.13
16080.00	H	-	-	-81.90	14.15	39.25	-56.01	-25.00	-31.01
18760.00	H	-	-	-54.38	1.15	53.77	-41.49	-25.00	-16.49

Table 7-39. Radiated Spurious Data (LTE Band 41(PC3) – High Channel) – Ant1

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 120 of 134

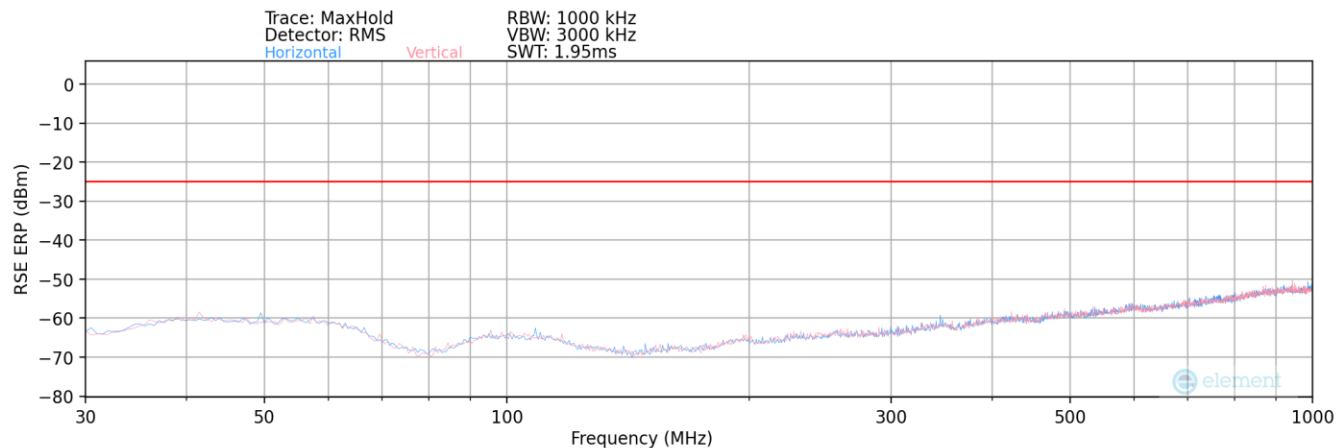
Bandwidth (MHz):	20
Frequency (MHz):	2593.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.00	H	272	126	-49.95	3.36	60.41	-34.84	-25.00	-9.84
7779.00	H	144	326	-63.65	8.63	51.98	-43.28	-25.00	-18.28
10372.00	H	124	318	-67.01	12.21	52.20	-43.05	-25.00	-18.05
12965.00	H	-	-	-79.25	14.39	42.14	-53.12	-25.00	-28.12
15558.00	H	261	182	-76.12	13.63	44.51	-50.75	-25.00	-25.75
18151.00	H	150	95	-58.87	1.18	49.31	-45.95	-25.00	-20.95
20744.00	H	150	110	-60.30	3.29	49.99	-45.26	-25.00	-20.26
23337.00	H	150	235	-65.72	3.75	45.03	-50.23	-25.00	-25.23

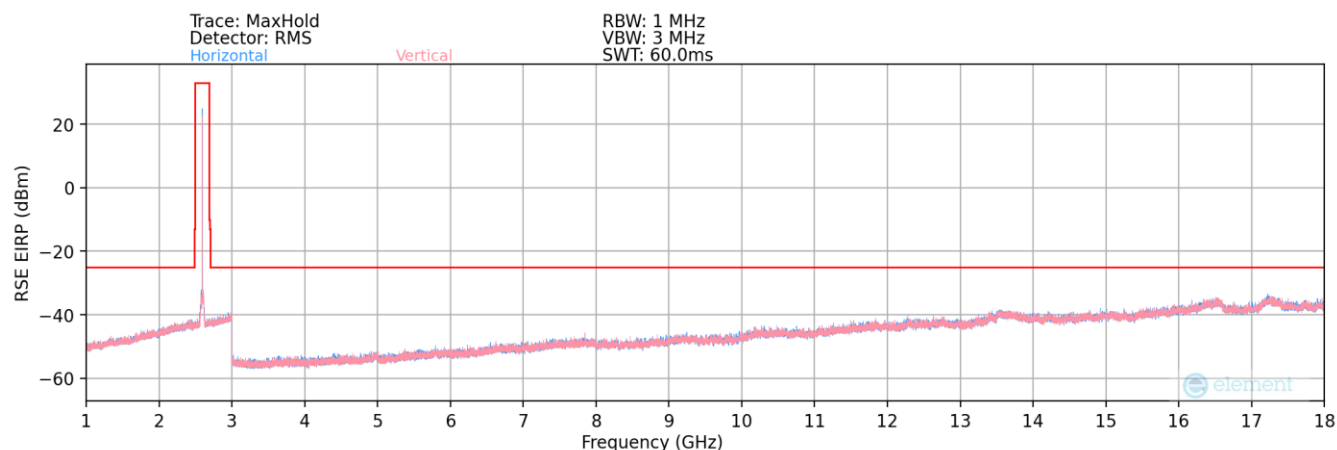
Table 7-40. Radiated Spurious Data (LTE Band 41(PC3) – Mid Channel - WCP) – Ant1

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 121 of 134

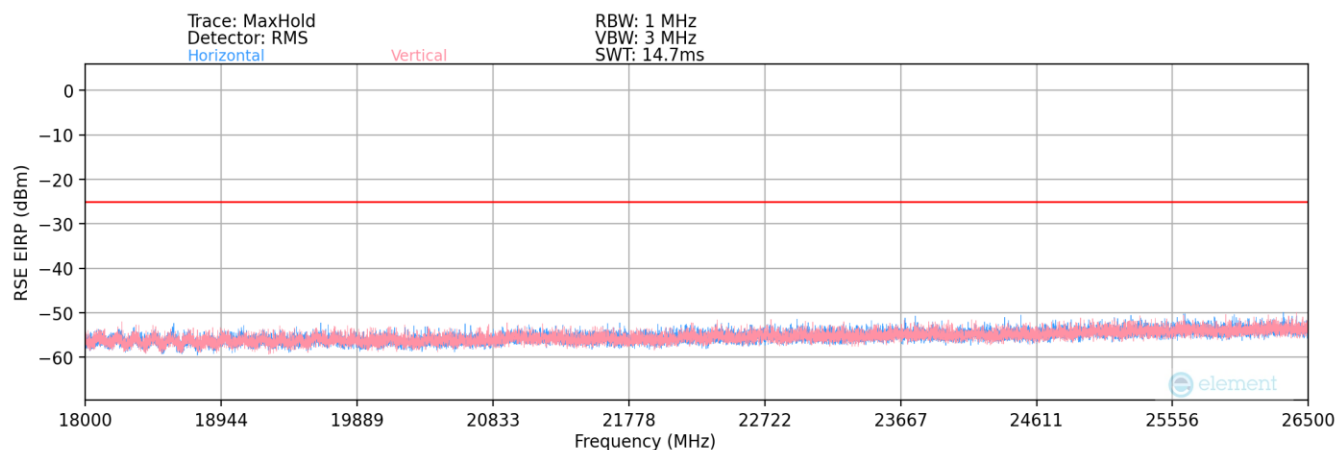
LTE Band 41(PC2) – Ant2



Plot 7-134. Radiated Spurious Plot (LTE Band 41(PC2)) – Ant2



Plot 7-135. Radiated Spurious Plot (LTE Band 41(PC2)) – Ant2



Plot 7-136. Radiated Spurious Plot (LTE Band 41(PC2)) – Ant2

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 122 of 134

Bandwidth (MHz):	20
Frequency (MHz):	2593.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
95.00	H	395	166	-59.98	-14.24	32.78	-64.63	-25.00	-39.63
350.00	H	301	38	-64.72	-9.16	33.12	-64.28	-25.00	-39.28
890.00	H	139	293	-67.09	-0.35	39.56	-57.85	-25.00	-32.85

Table 7-41. Radiated Spurious Data (LTE Band 41(PC2)) – Ant2

Bandwidth (MHz):	20
Frequency (MHz):	2506.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5012.00	H	110	325	-70.63	9.93	46.30	-48.96	-25.00	-23.96
7518.00	H	108	343	-69.46	15.50	53.04	-42.22	-25.00	-17.22
10024.00	H	-	-	-73.67	18.84	52.17	-43.09	-25.00	-18.09
12530.00	H	-	-	-73.89	23.35	56.46	-38.80	-25.00	-13.80
15036.00	H	-	-	-73.41	26.94	60.53	-34.73	-25.00	-9.73

Table 7-42. Radiated Spurious Data (LTE Band 41(PC2) – Low Channel) – Ant2

Bandwidth (MHz):	20
Frequency (MHz):	2593.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.00	H	112	306	-68.07	10.38	49.31	-45.95	-25.00	-20.95
7779.00	H	127	62	-71.89	15.44	50.55	-44.70	-25.00	-19.70
10372.00	H	-	-	-72.67	19.53	53.86	-41.40	-25.00	-16.40
12965.00	H	-	-	-74.62	24.45	56.83	-38.43	-25.00	-13.43
15558.00	H	-	-	-75.22	28.35	60.13	-35.13	-25.00	-10.13

Table 7-43. Radiated Spurious Data (LTE Band 41(PC2) – Mid Channel) – Ant2

Bandwidth (MHz):	20
Frequency (MHz):	2680.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5360.00	H	103	53	-69.82	10.79	47.97	-47.29	-25.00	-22.29
8040.00	H	102	81	-71.25	16.08	51.83	-43.43	-25.00	-18.43
10720.00	H	108	5	-72.78	20.23	54.45	-40.80	-25.00	-15.80
13400.00	H	-	-	-74.28	24.88	57.60	-37.65	-25.00	-12.65
16080.00	H	-	-	-74.46	28.30	60.84	-34.42	-25.00	-9.42
18760.00	H	-	-	-54.44	1.15	53.71	-41.55	-25.00	-16.55

Table 7-44. Radiated Spurious Data (LTE Band 41(PC2) – High Channel) – Ant2

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1-A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 123 of 134

Bandwidth (MHz):	20
Frequency (MHz):	2593.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.00	H	-	-	-74.89	3.36	35.47	-59.78	-25.00	-34.78
7779.00	H	-	-	-77.33	8.63	38.30	-56.96	-25.00	-31.96
10372.00	H	-	-	-78.82	12.21	40.39	-54.86	-25.00	-29.86

Table 7-45. Radiated Spurious Data (LTE Band 41(PC2) – Mid Channel - WCP) – Ant2

FCC ID: A3LSMS942B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-09-R1.A3L	Test Dates: 9/8/2025 - 10/7/2025	EUT Type: Portable Handset	Page 124 of 134