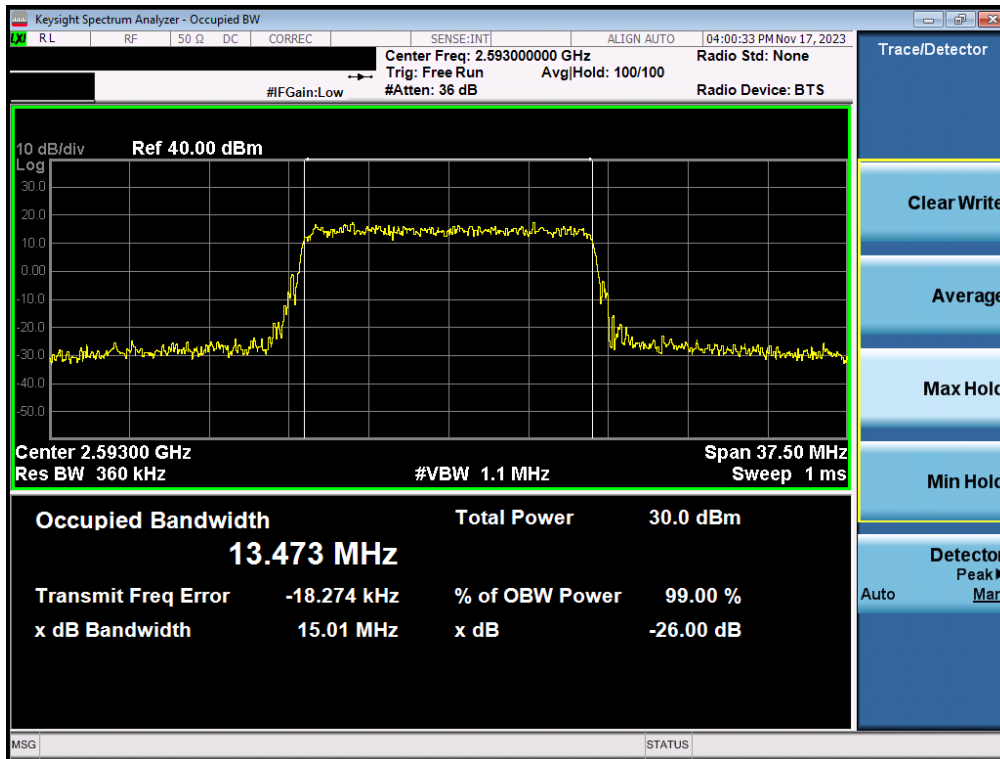
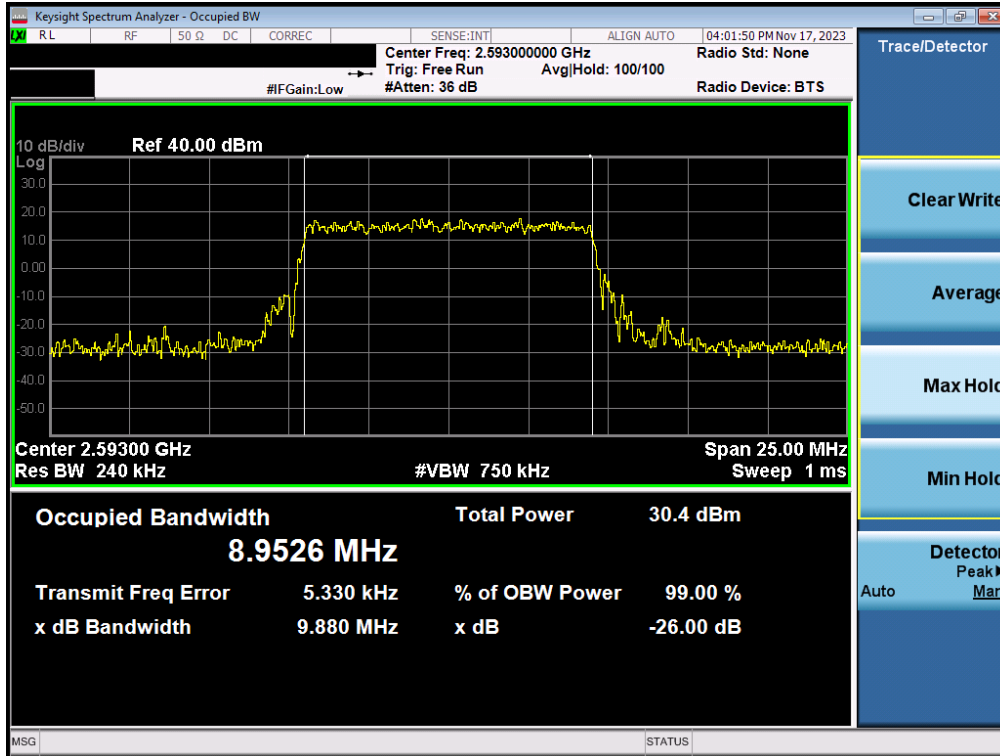


Plot 7-82. Occupied Bandwidth Plot (LTE Band 41(PC2) - 15MHz QPSK - Full RB - Ant2)

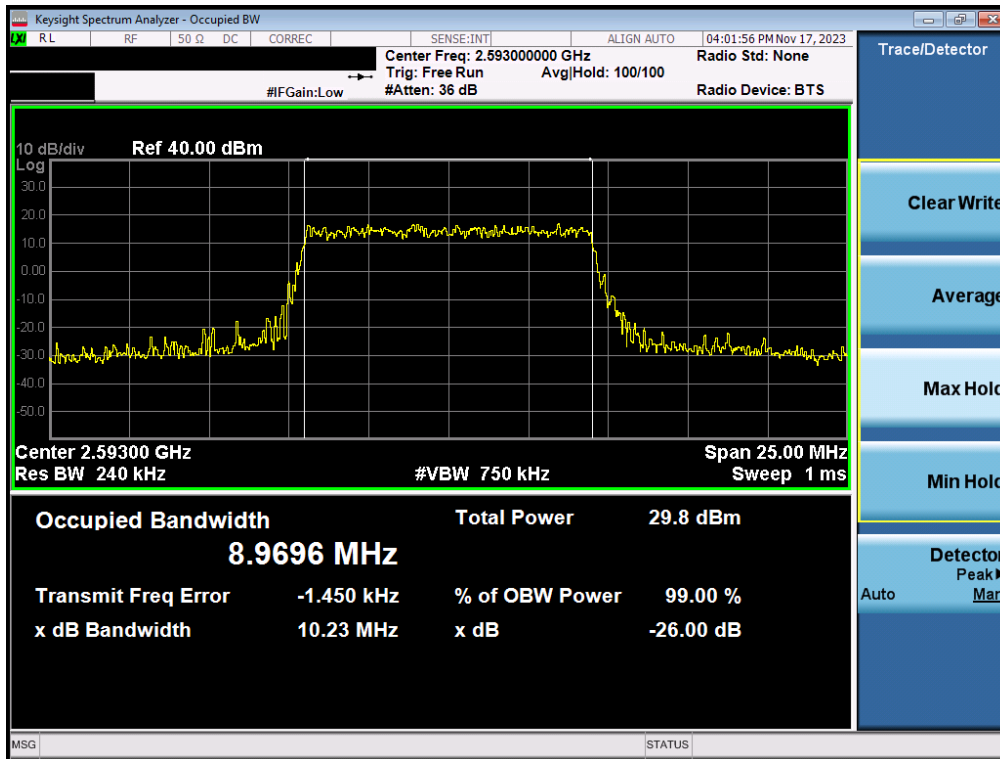


Plot 7-83. Occupied Bandwidth Plot (LTE Band 41(PC2) - 15MHz 16-QAM - Full RB - Ant2)

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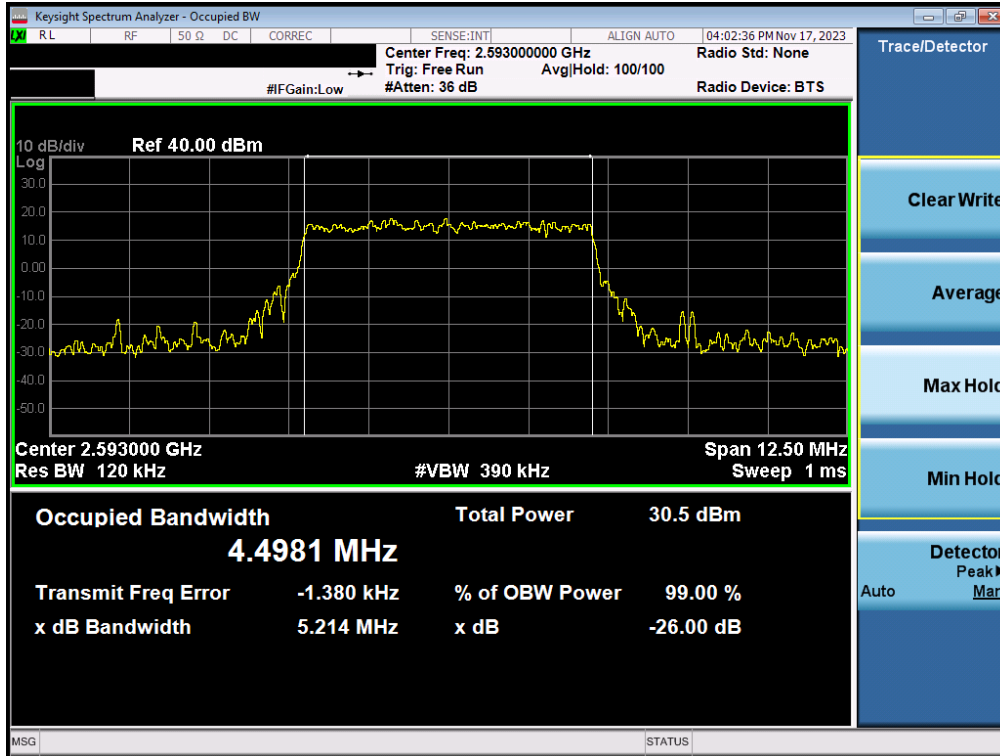


Plot 7-84. Occupied Bandwidth Plot (LTE Band 41(PC2) - 10MHz QPSK - Full RB - Ant2)

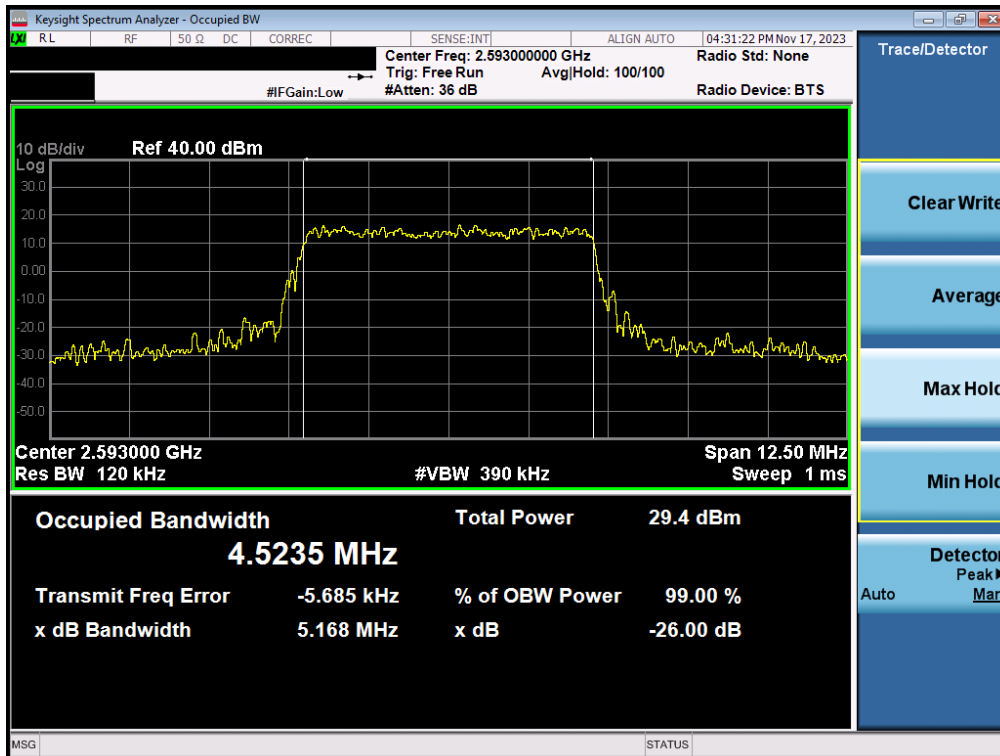


Plot 7-85. Occupied Bandwidth Plot (LTE Band 41(PC2) - 10MHz 16-QAM - Full RB - Ant2)

FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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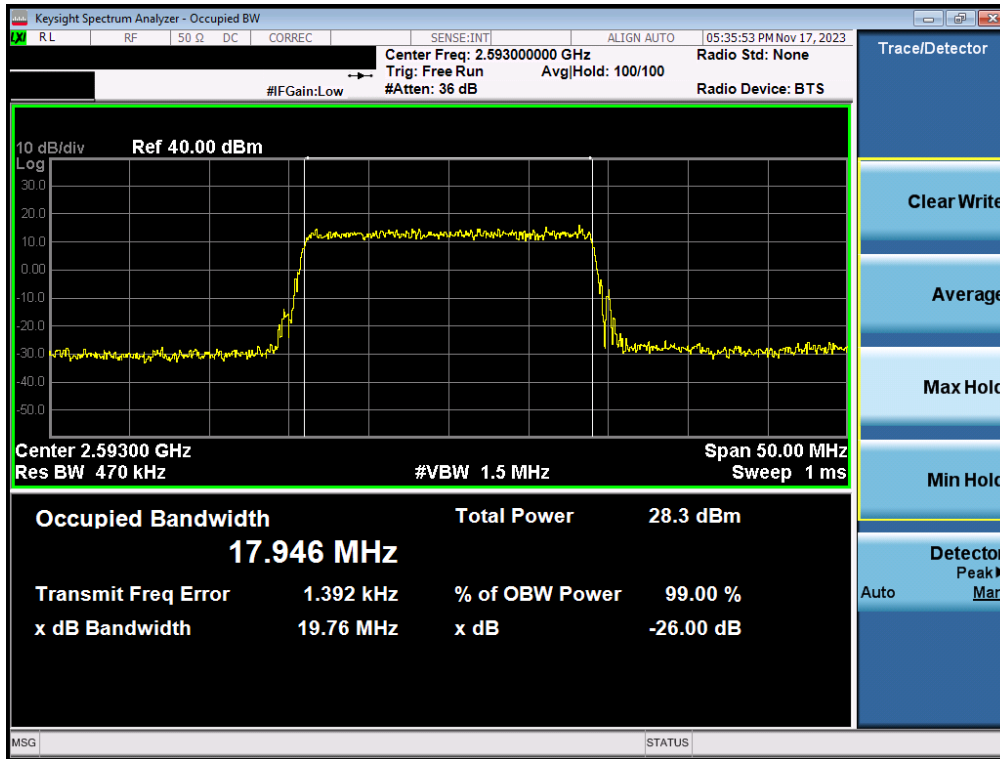
Plot 7-86. Occupied Bandwidth Plot (LTE Band 41(PC2) - 5MHz QPSK - Full RB - Ant2)



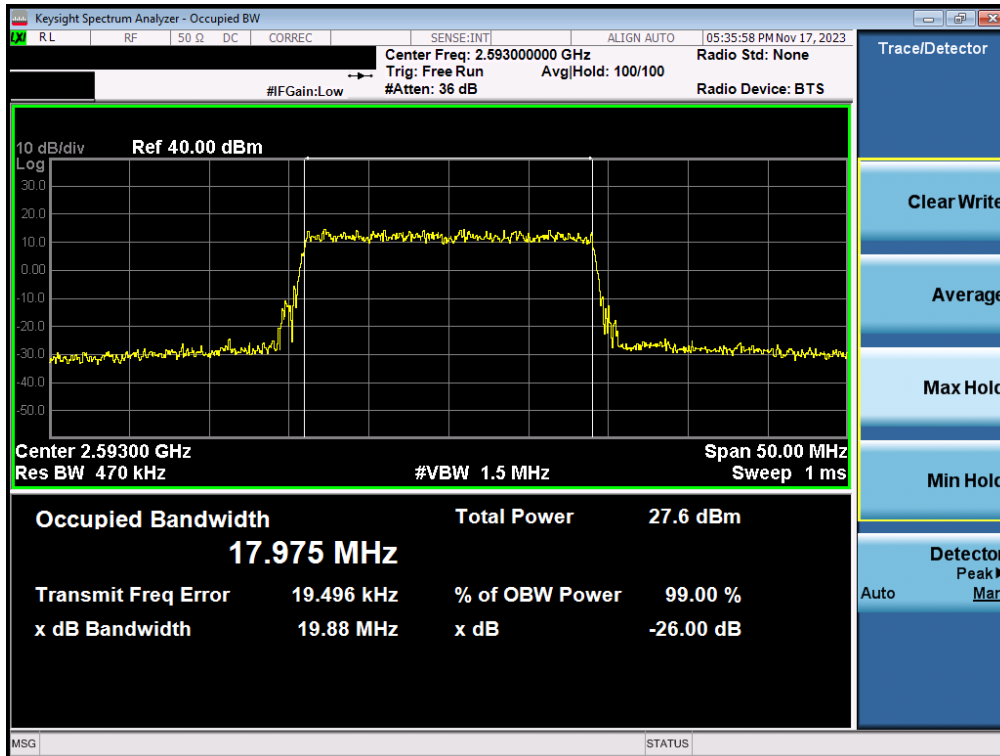
Plot 7-87. Occupied Bandwidth Plot (LTE Band 41(PC2) - 5MHz 16-QAM - Full RB - Ant2)

FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 38 – Ant2

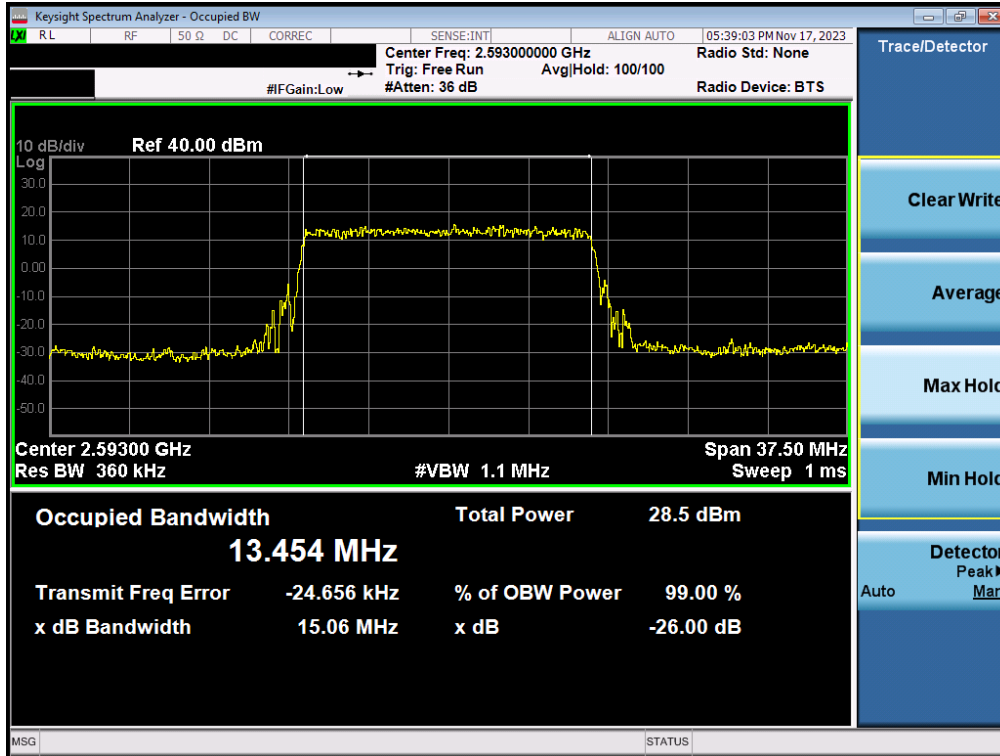


Plot 7-88. Occupied Bandwidth Plot (LTE Band 38 - 20MHz QPSK - Full RB - Ant2)

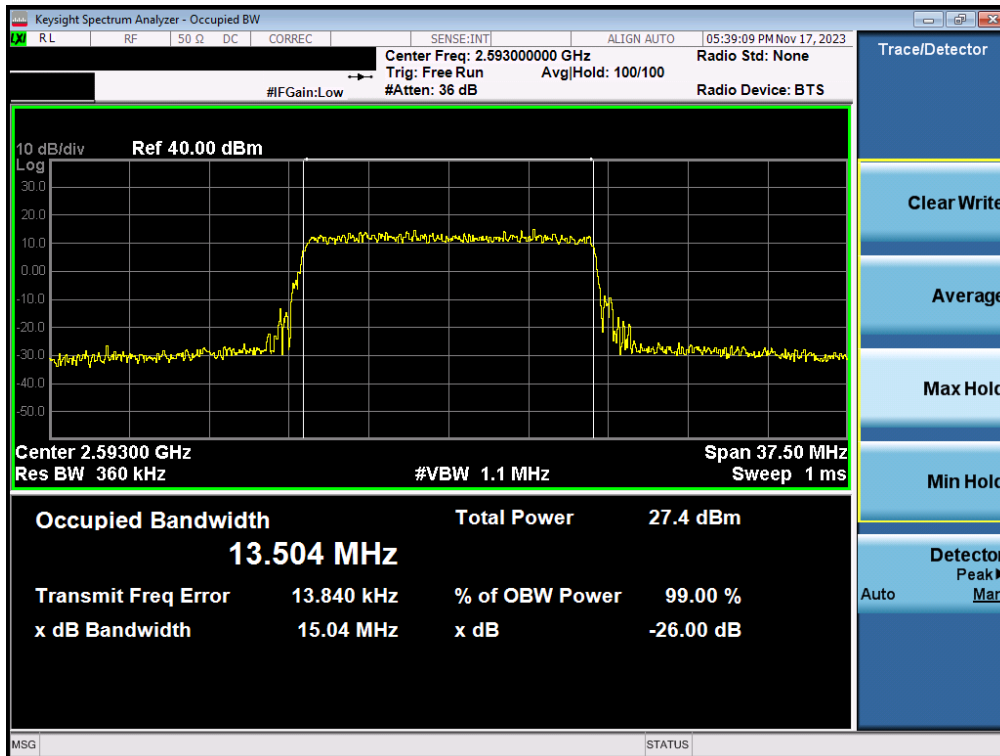


Plot 7-89. Occupied Bandwidth Plot (LTE Band 38 - 20MHz 16-QAM - Full RB - Ant2)

FCC ID: A3LSMA356U		PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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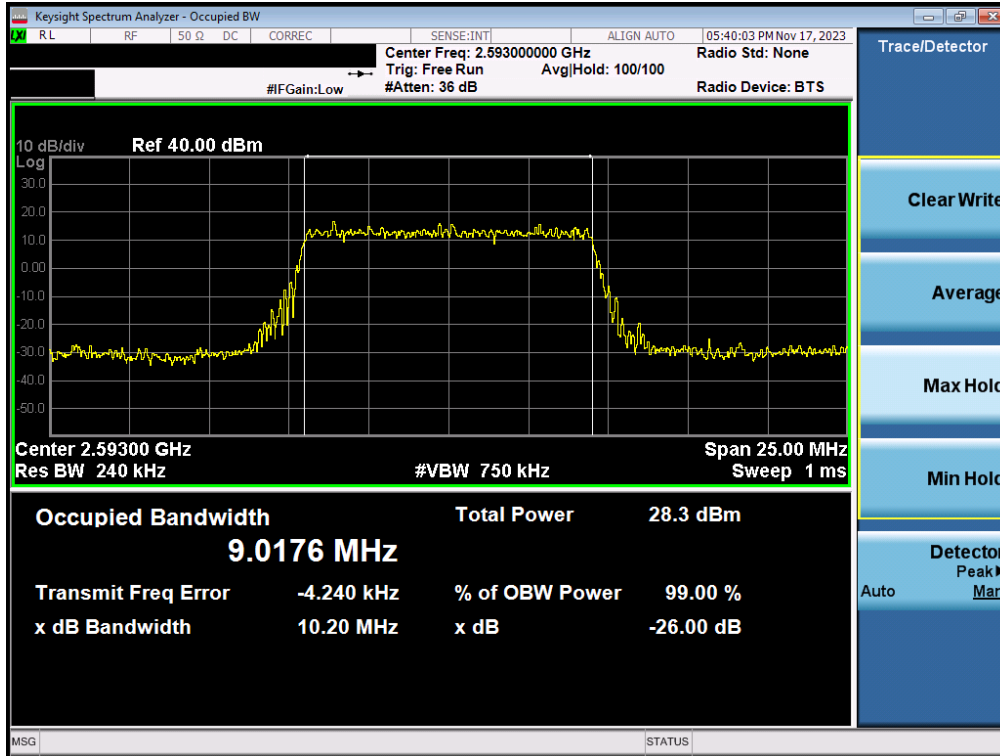


Plot 7-90. Occupied Bandwidth Plot (LTE Band 38 - 15MHz QPSK - Full RB - Ant2)

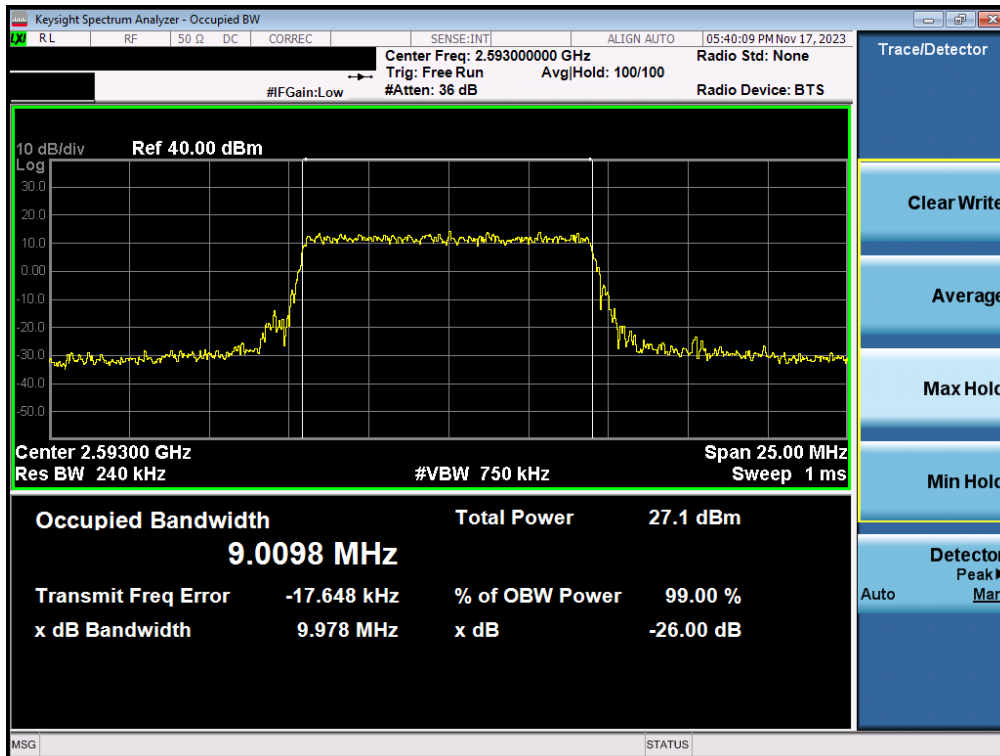


Plot 7-91. Occupied Bandwidth Plot (LTE Band 38 - 15MHz 16-QAM - Full RB - Ant2)

FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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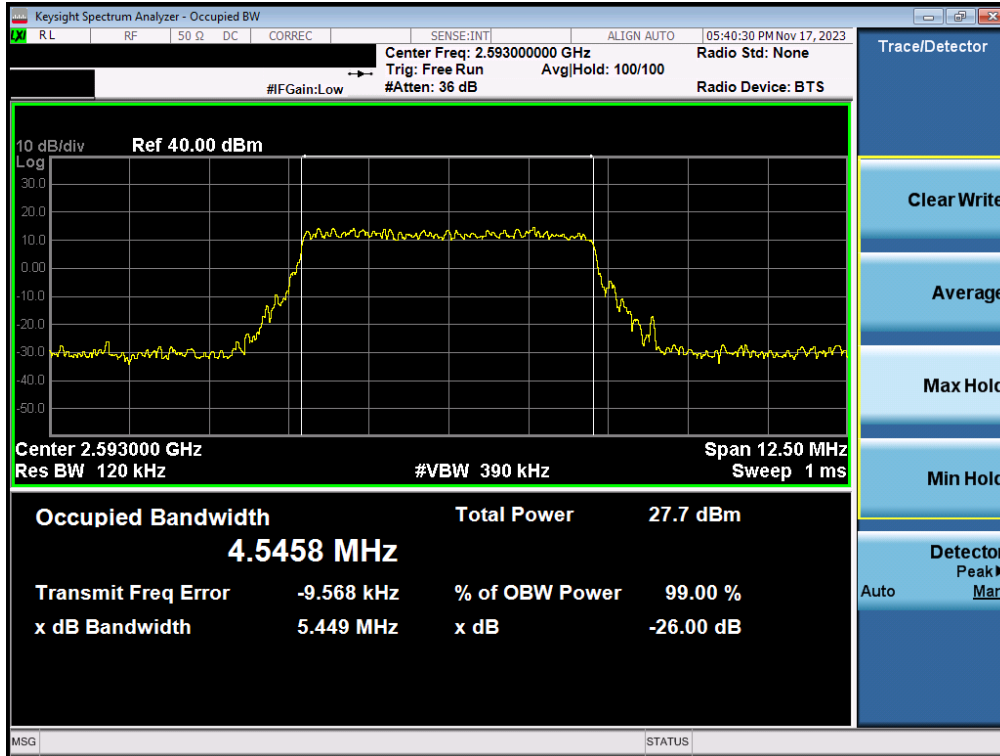


Plot 7-92. Occupied Bandwidth Plot (LTE Band 38 - 10MHz QPSK - Full RB - Ant2)

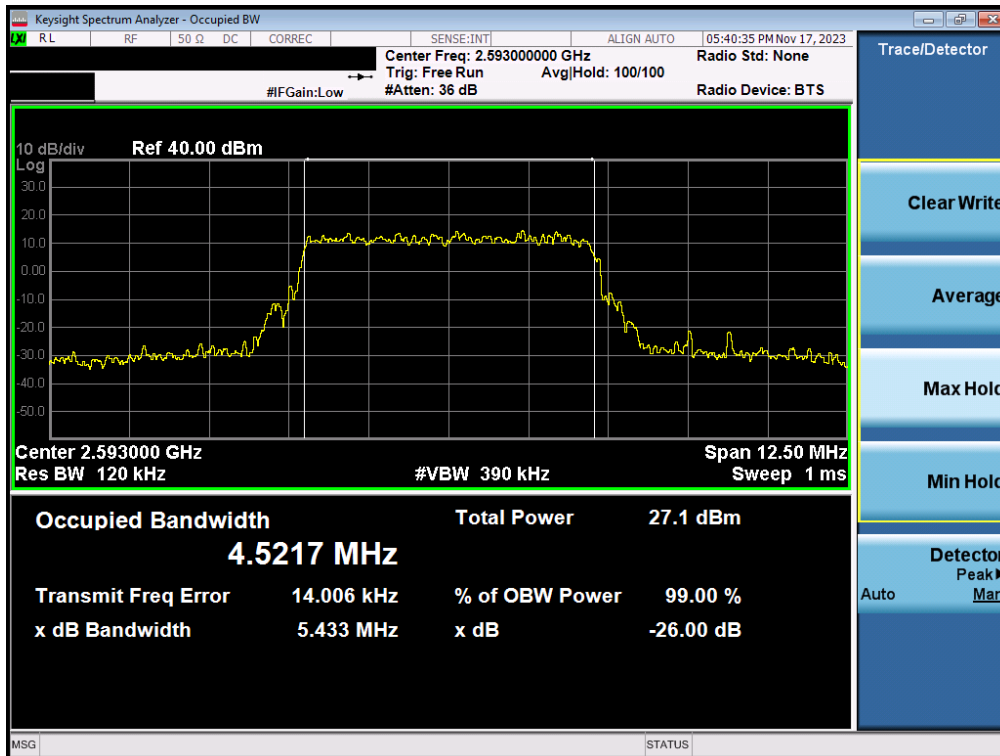


Plot 7-93. Occupied Bandwidth Plot (LTE Band 38 - 10MHz 16-QAM - Full RB - Ant2)

FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-94. Occupied Bandwidth Plot (LTE Band 38 - 5MHz QPSK - Full RB - Ant2)



Plot 7-95. Occupied Bandwidth Plot (LTE Band 38 - 5MHz 16-QAM - Full RB - Ant2)

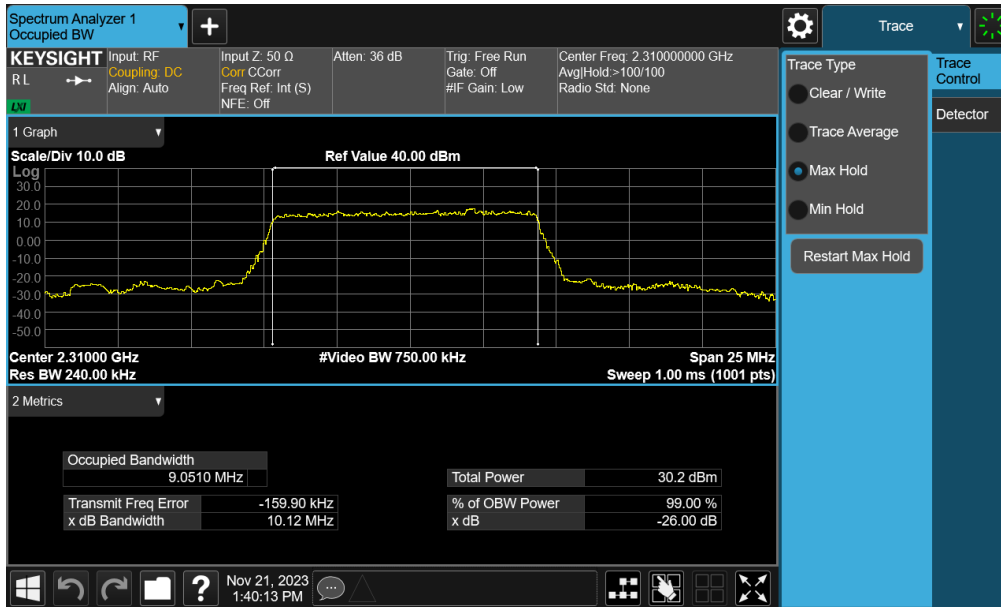
FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Mode	Bandwidth	Modulation	OBW [MHz]
NR-n30	10MHz	BPSK	9.05
		QPSK	9.42
		16QAM	9.40
	5MHz	BPSK	4.54
		QPSK	4.60
		16QAM	4.56
NR-n41PC2	100MHz	BPSK	97.17
		QPSK	98.30
		16QAM	98.24
	90MHz	BPSK	87.64
		QPSK	88.36
		16QAM	88.33
	80MHz	BPSK	77.95
		QPSK	78.20
		16QAM	78.29
	70MHz	BPSK	65.00
		QPSK	68.07
		16QAM	67.90
	60MHz	BPSK	58.72
		QPSK	58.53
		16QAM	58.59
	50MHz	BPSK	46.22
		QPSK	47.88
		16QAM	47.84
	40MHz	BPSK	36.00
		QPSK	38.21
		16QAM	38.17
	30MHz	BPSK	27.06
		QPSK	28.10
		16QAM	28.03
	20MHz	BPSK	18.06
		QPSK	18.35
		16QAM	18.38
	15MHz	BPSK	13.00
		QPSK	13.69
		16QAM	13.71
10MHz	BPSK	8.68	
	QPSK	8.70	
	16QAM	8.66	

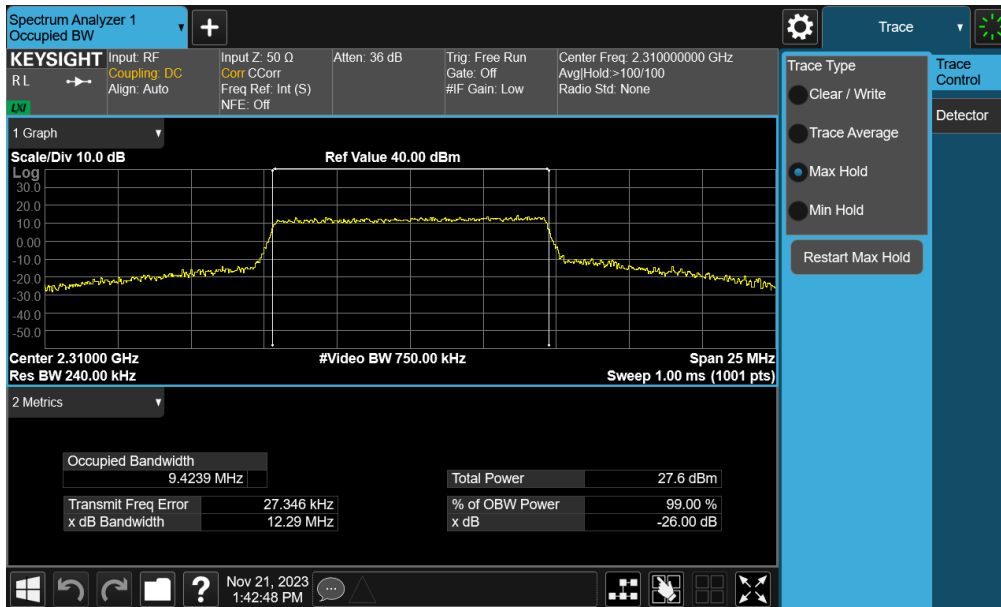
Table 7-12. Occupied Bandwidth Results – NR – Ant2

FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n30 – Ant2

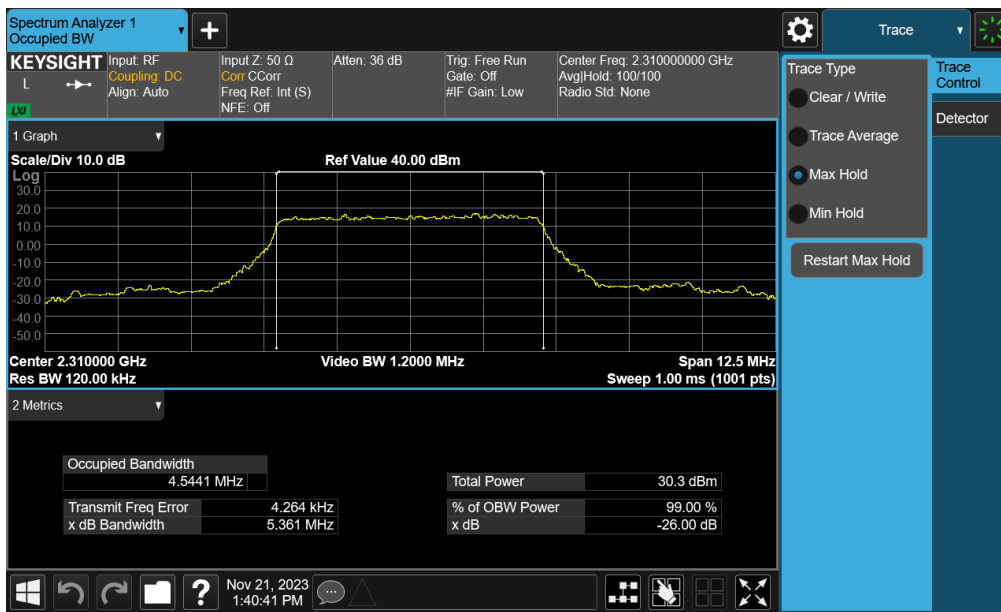


Plot 7-96. Occupied Bandwidth Plot (NR Band n30 - 10MHz $\pi/2$ BPSK - Full RB - Ant2)

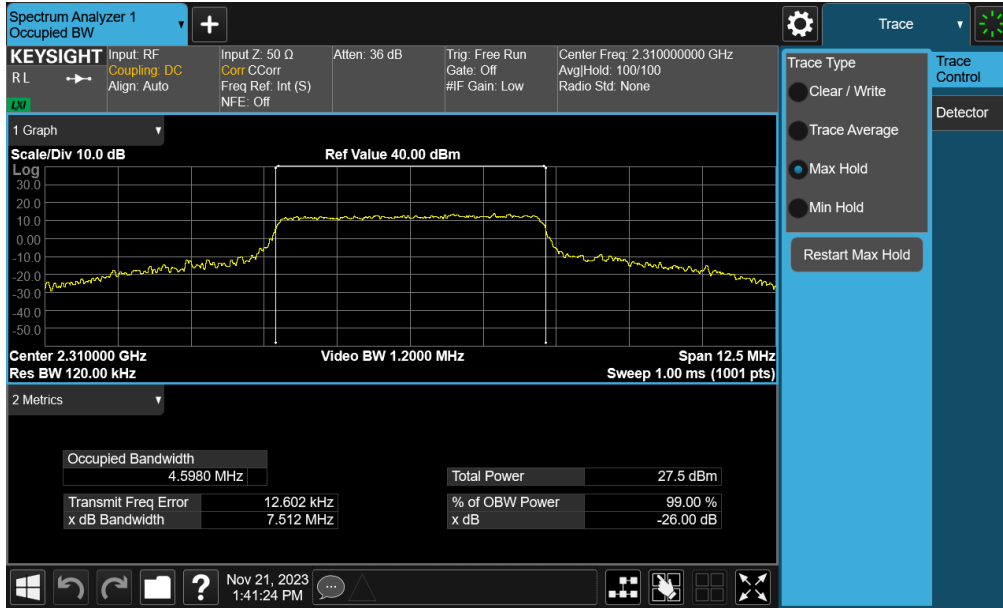


Plot 7-97. Occupied Bandwidth Plot (NR Band n30 - 10MHz QPSK - Full RB - Ant2)

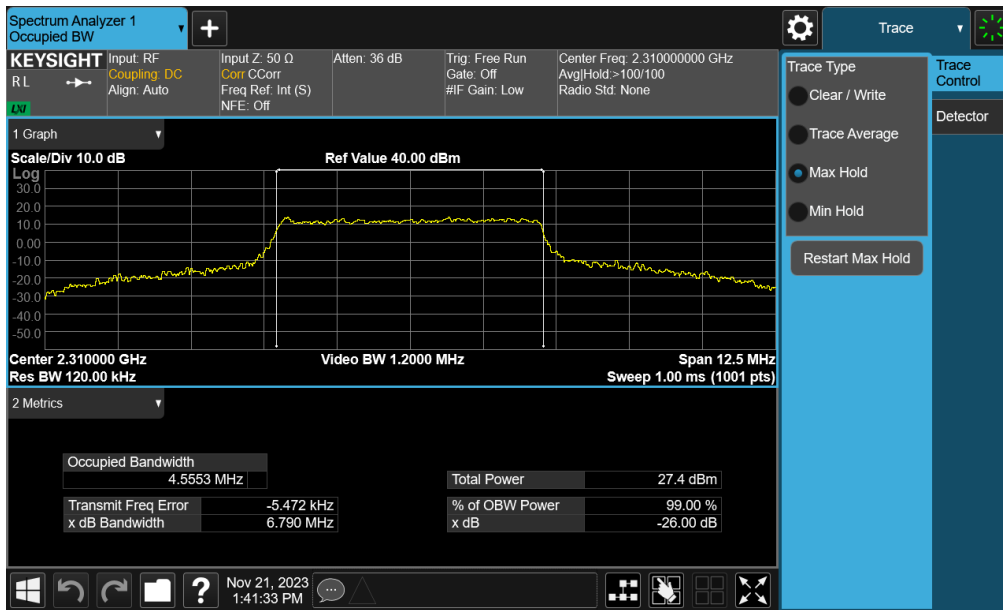
FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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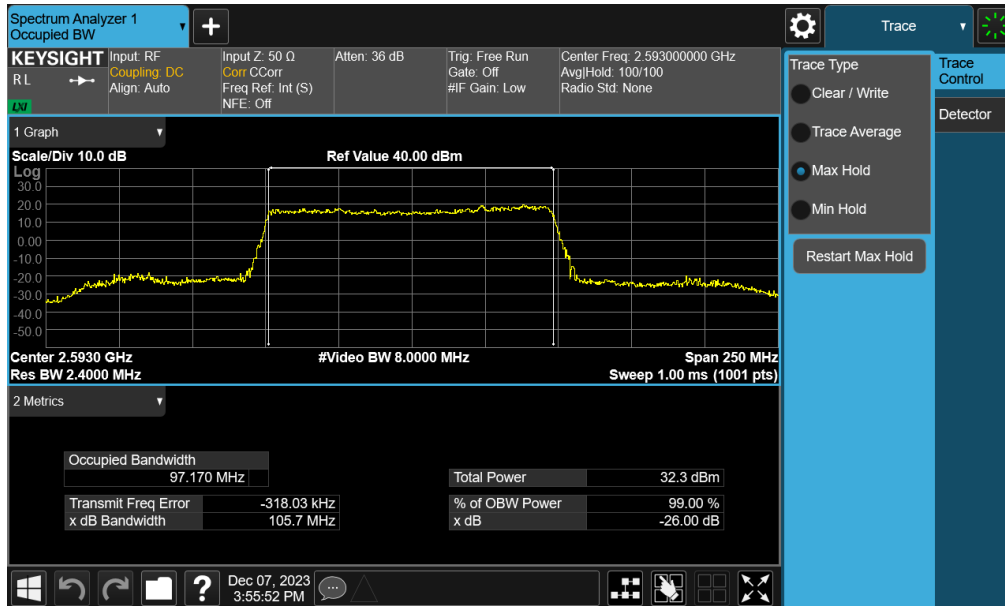
Plot 7-100. Occupied Bandwidth Plot (NR Band n30 - 5MHz QPSK - Full RB - Ant2)



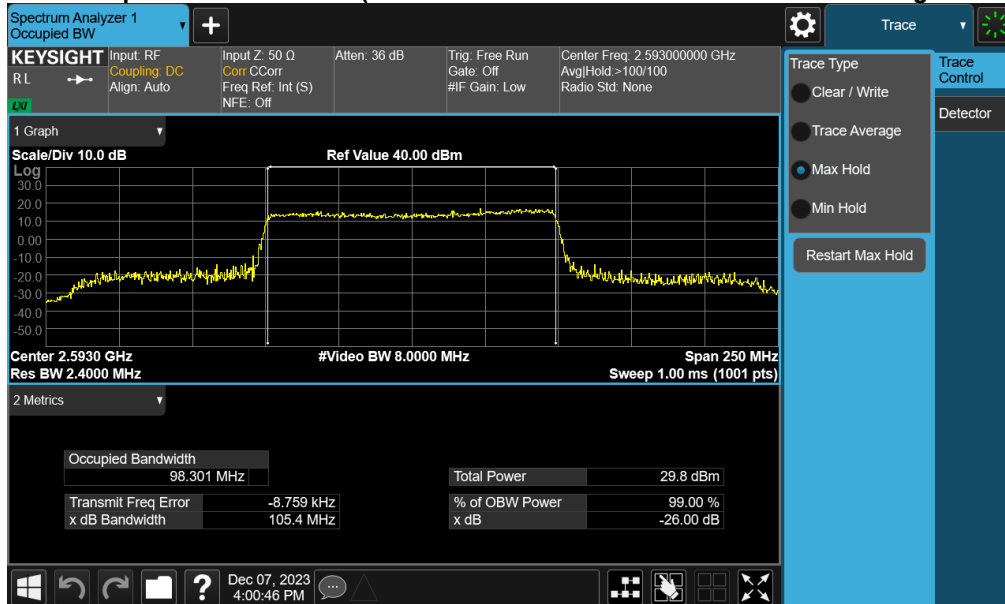
Plot 7-101. Occupied Bandwidth Plot (NR Band n30 - 5MHz 16-QAM - Full RB - Ant2)

FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n41 – Ant2

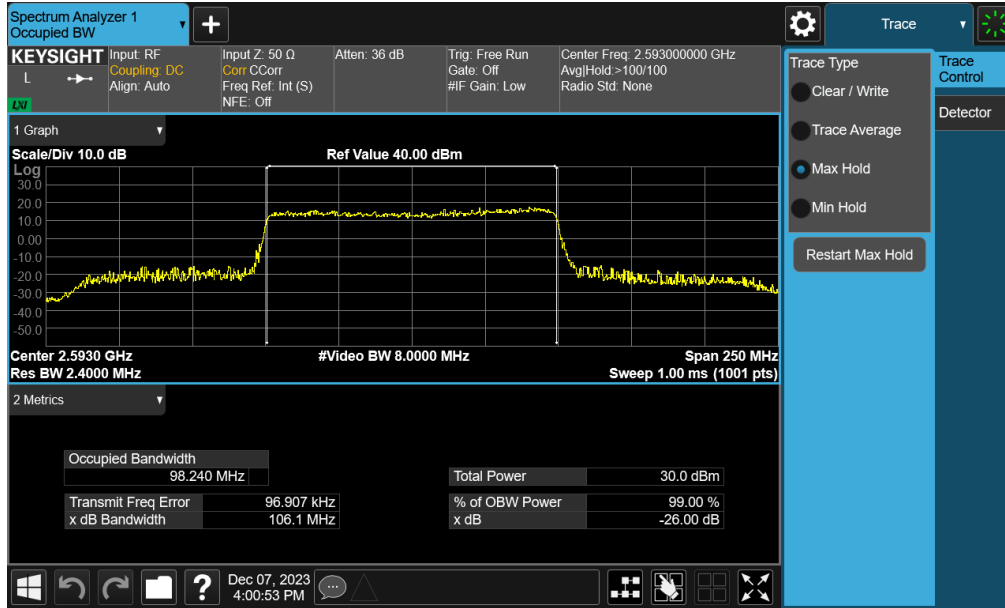


Plot 7-102. Occupied Bandwidth Plot (NR Band n41- 100MHz $\pi/2$ BPSK - Full RB Configuration – Ant2)

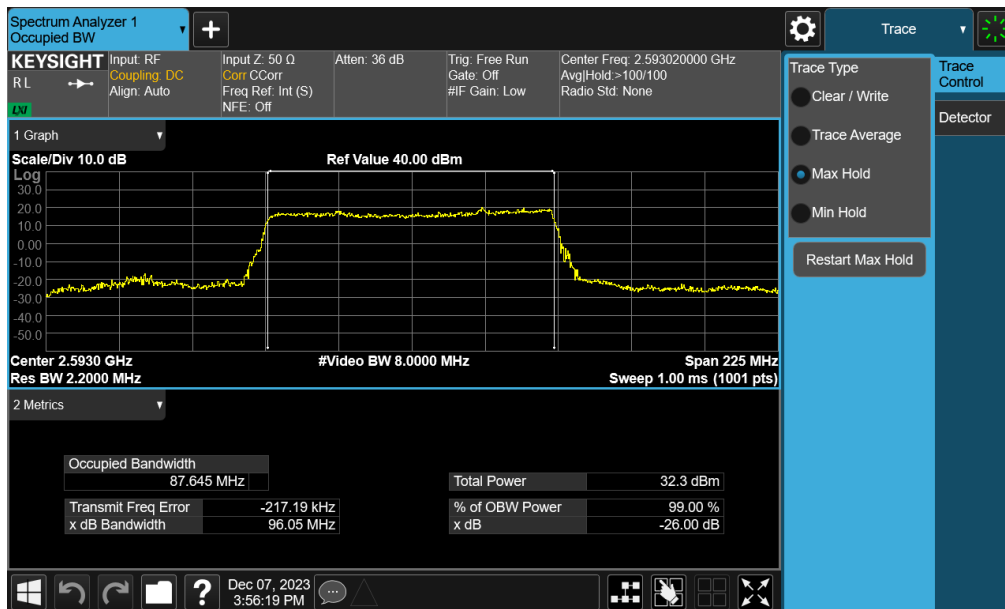


Plot 7-103. Occupied Bandwidth Plot (NR Band n41- 100MHz QPSK - Full RB Configuration – Ant2)

FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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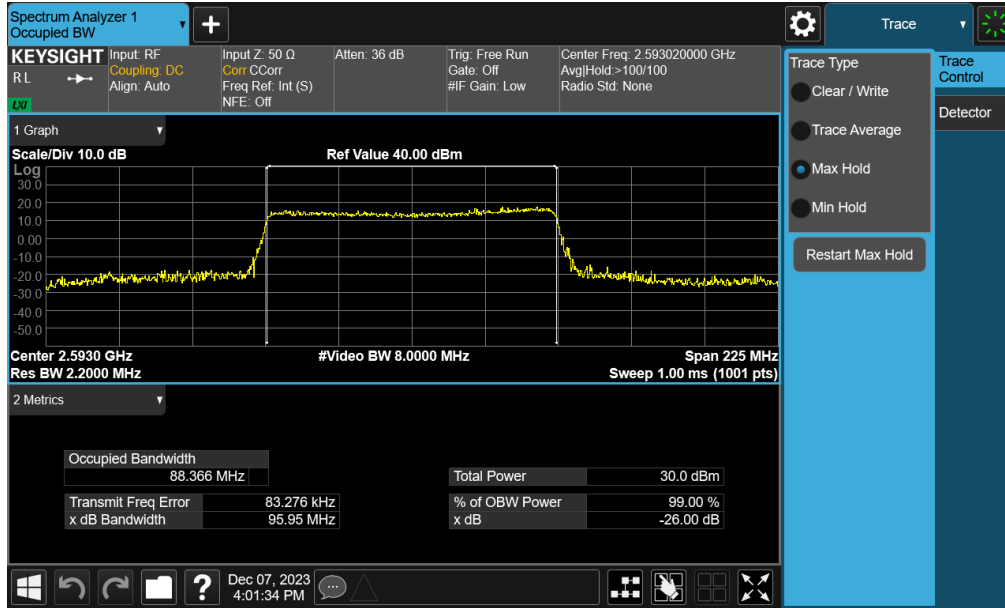


Plot 7-104. Occupied Bandwidth Plot (NR Band n41 - 100MHz 16-QAM - Full RB Configuration – Ant2)

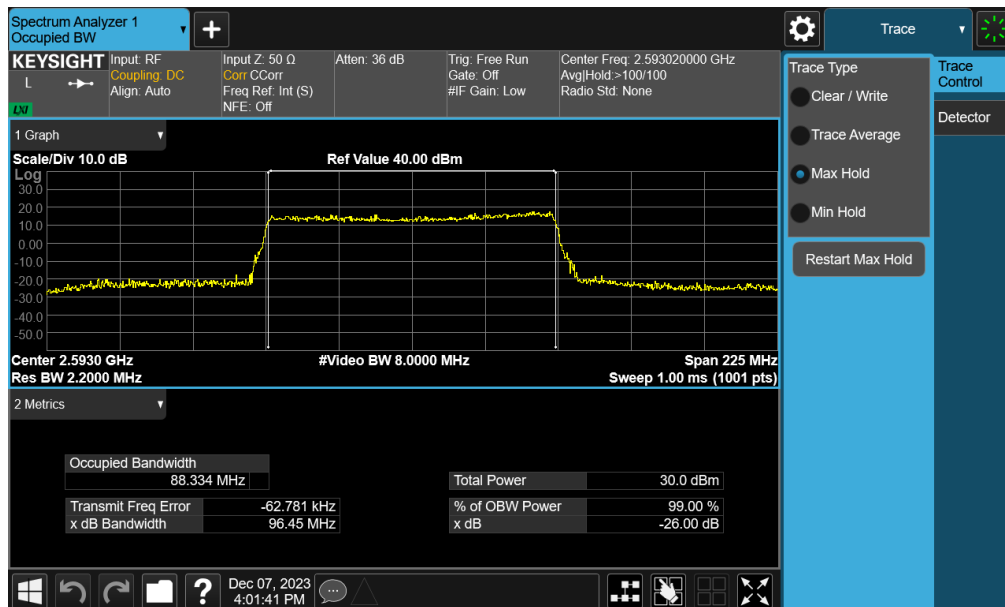


Plot 7-105. Occupied Bandwidth Plot (NR Band n41 – 90MHz $\pi/2$ BPSK – Full RB Configuration – Ant2)

FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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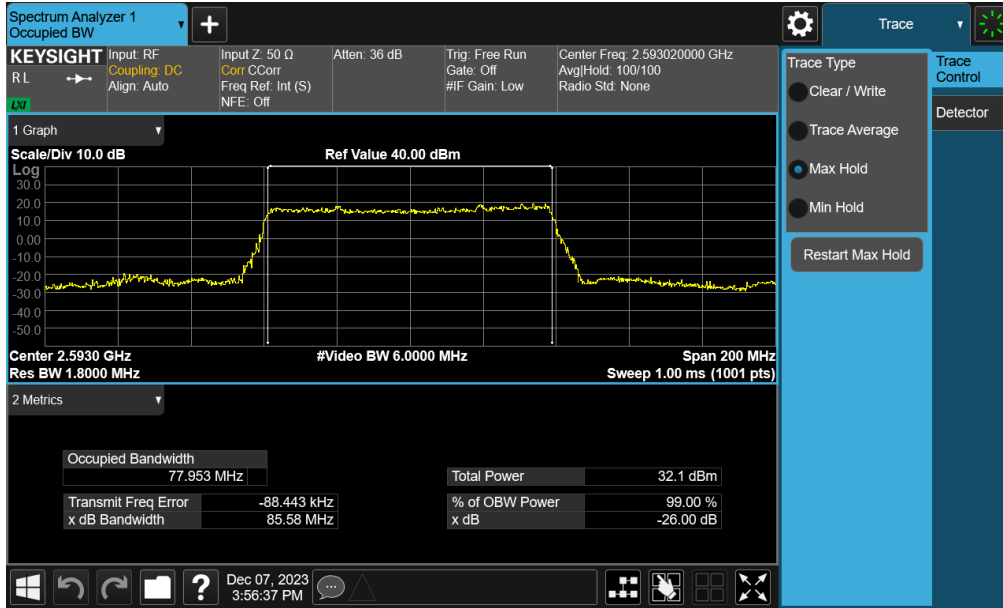


Plot 7-106. Occupied Bandwidth Plot (NR Band n41- 90MHz QPSK - Full RB Configuration – Ant2)

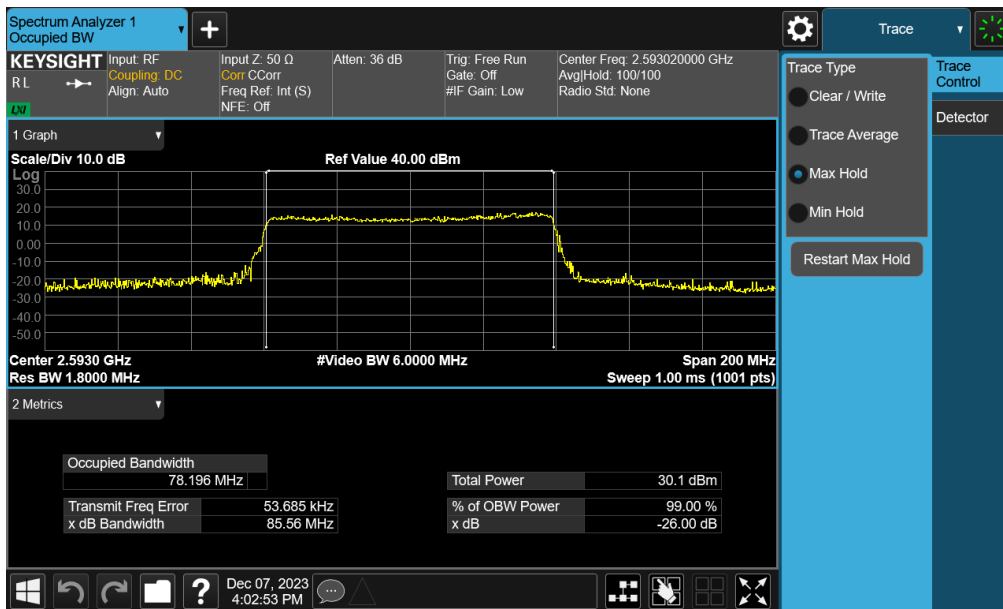


Plot 7-107. Occupied Bandwidth Plot (NR Band n41- 90MHz 16-QAM - Full RB Configuration – Ant2)

FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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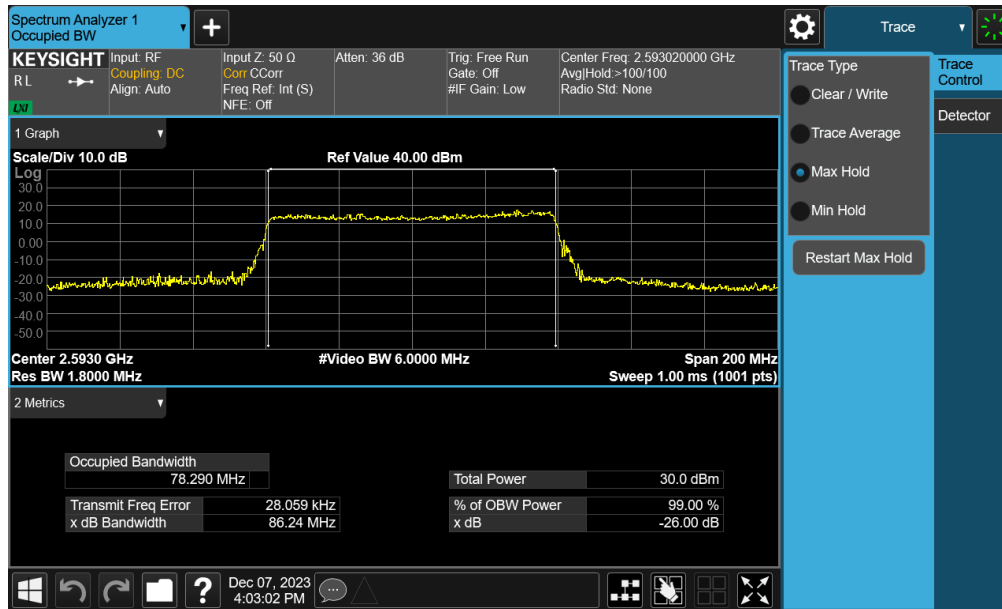


Plot 7-108. Occupied Bandwidth Plot (NR Band n41- 80MHz $\pi/2$ BPSK - Full RB Configuration – Ant2)

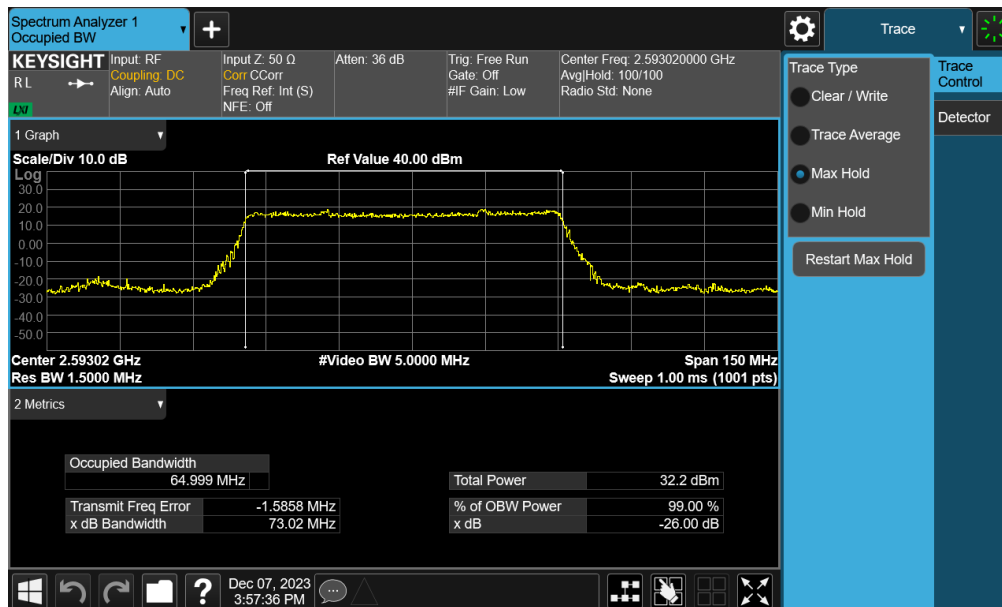


Plot 7-109. Occupied Bandwidth Plot (NR Band n41- 80MHz QPSK - Full RB Configuration – Ant2)

FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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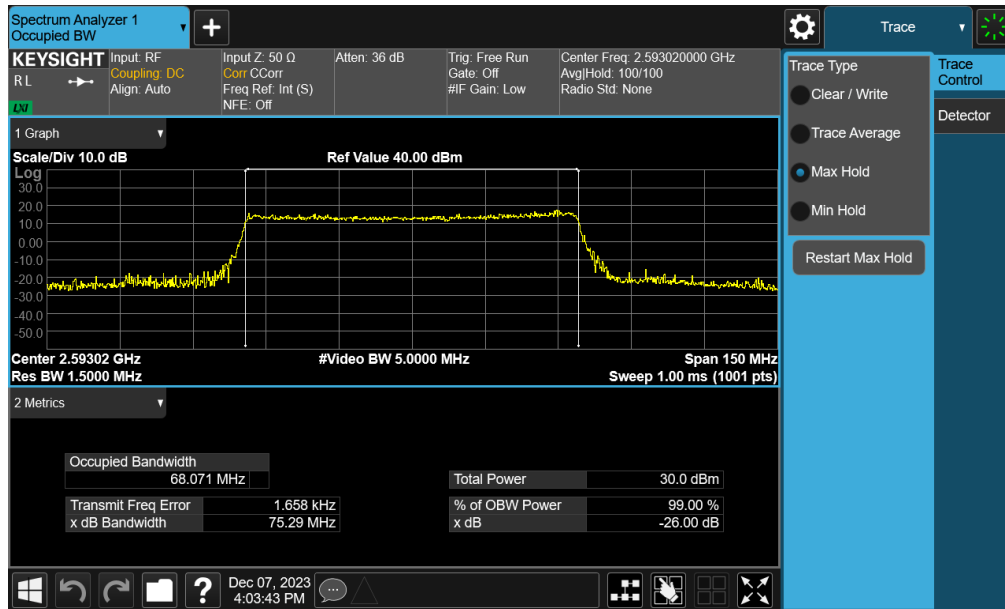


Plot 7-110. Occupied Bandwidth Plot (NR Band n41 - 80MHz 16-QAM - Full RB Configuration - Ant2)

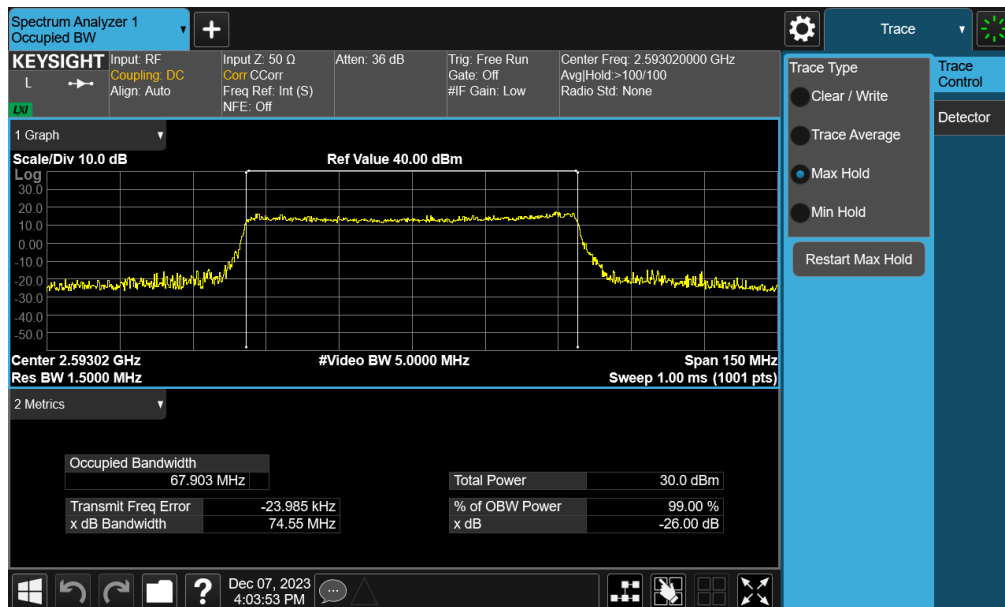


Plot 7-111. Occupied Bandwidth Plot (NR Band n41 - 70MHz $\pi/2$ BPSK - Full RB Configuration - Ant2)

FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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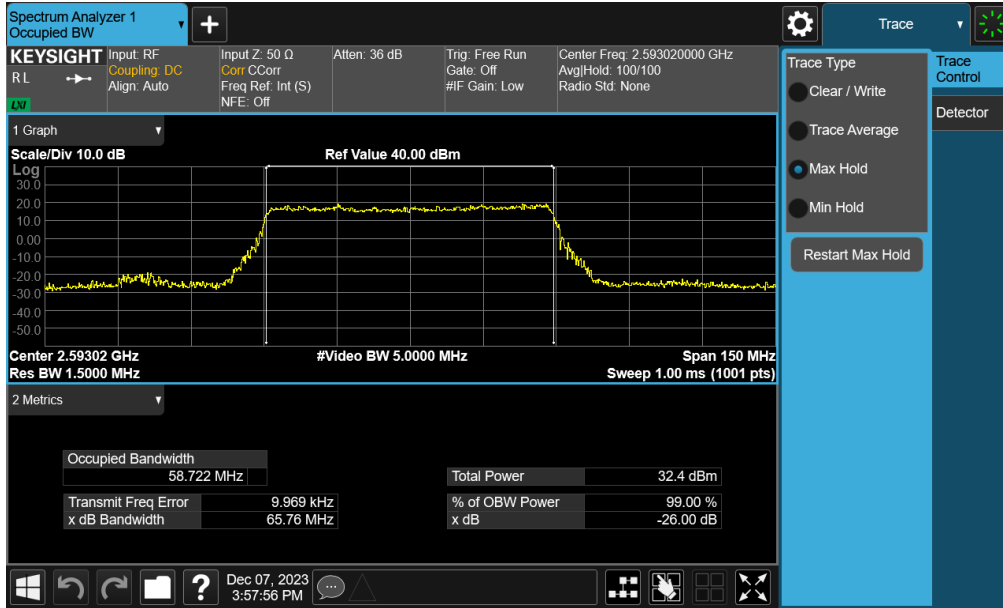


Plot 7-112. Occupied Bandwidth Plot (NR Band n41 - 70MHz QPSK - Full RB Configuration – Ant2)

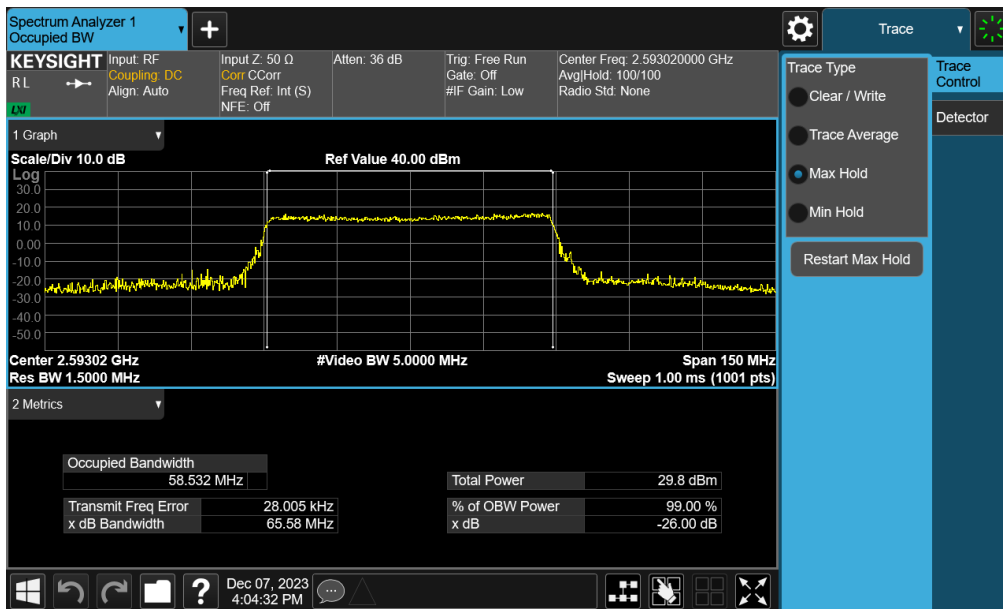


Plot 7-113. Occupied Bandwidth Plot (NR Band n41 - 70MHz 16-QAM - Full RB Configuration – Ant2)

FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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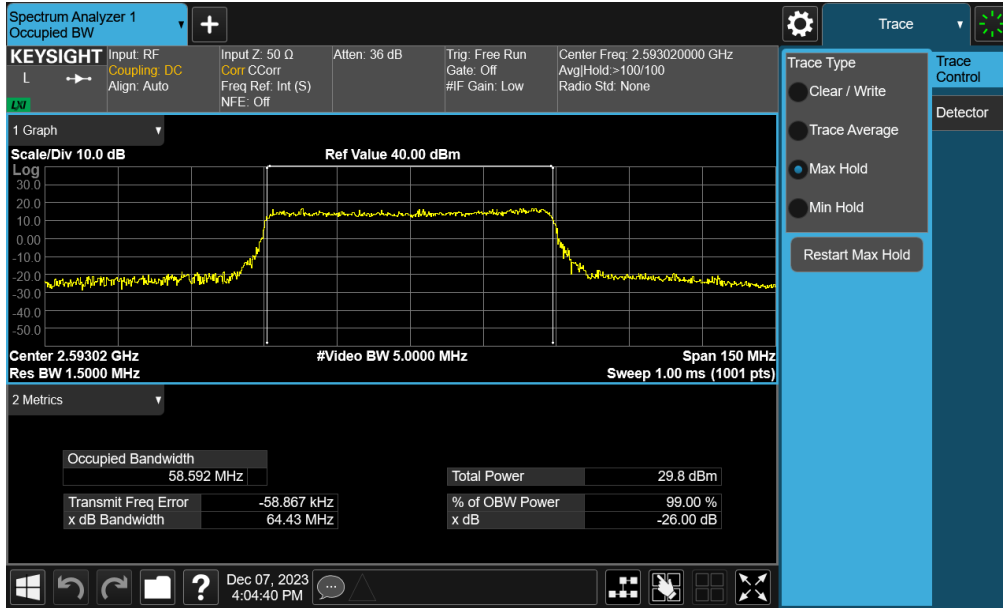


Plot 7-114. Occupied Bandwidth Plot (NR Band n41 - 60MHz $\pi/2$ BPSK - Full RB Configuration – Ant2)

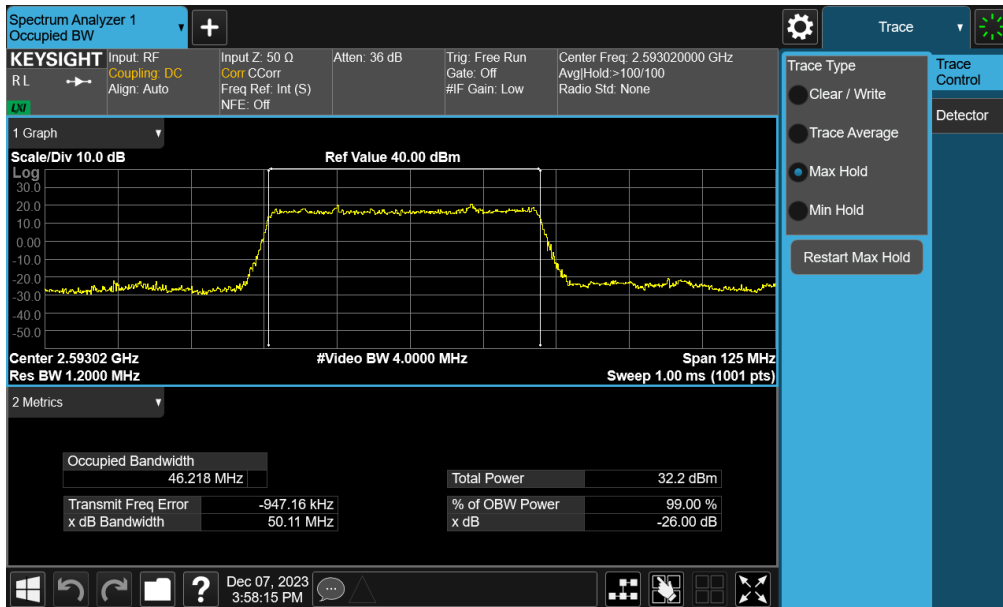


Plot 7-115. Occupied Bandwidth Plot (NR Band n41- 60MHz QPSK - Full RB Configuration – Ant2)

FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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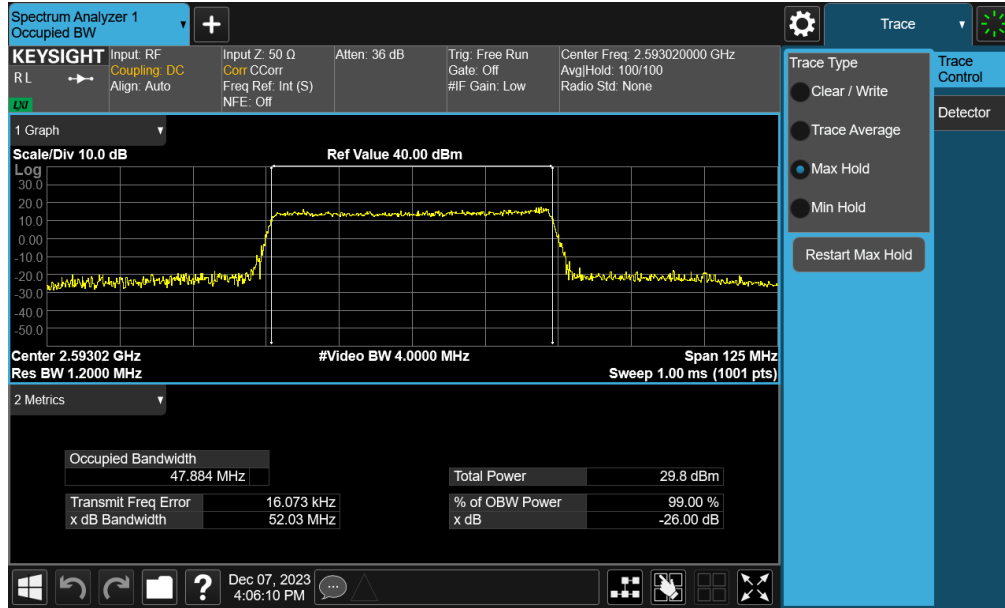


Plot 7-116. Occupied Bandwidth Plot (NR Band n41 - 60MHz 16-QAM - Full RB Configuration – Ant2)

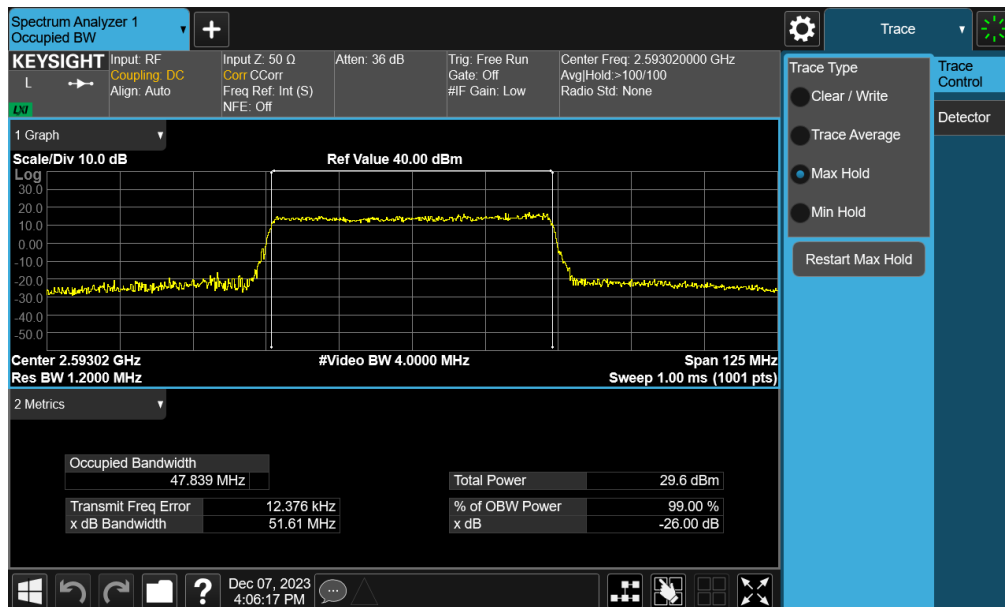


Plot 7-117. Occupied Bandwidth Plot (NR Band n4 - 50MHz $\pi/2$ BPSK - Full RB Configuration – Ant2)

FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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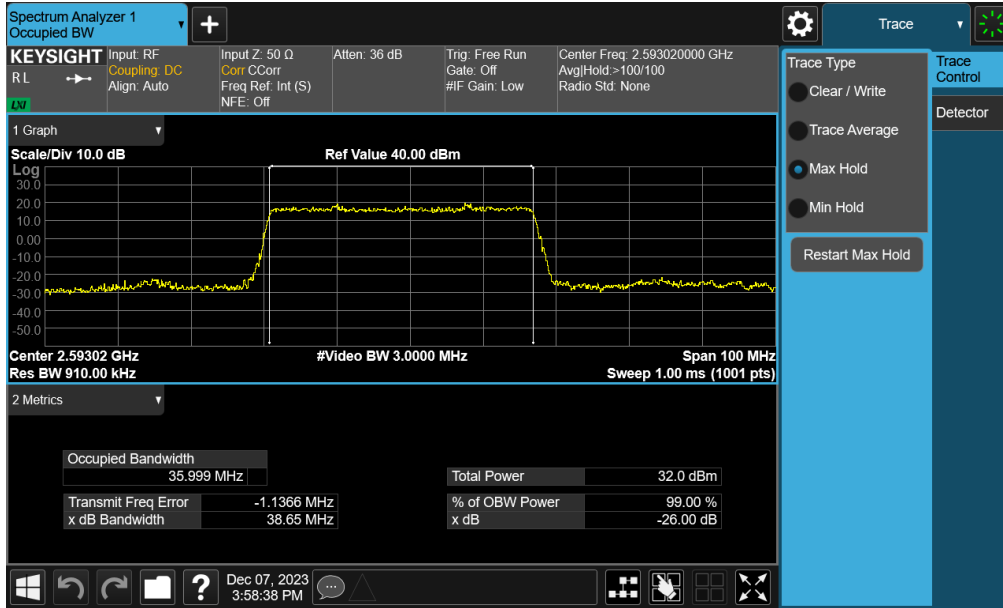


Plot 7-118. Occupied Bandwidth Plot (NR Band n41- 50MHz QPSK - Full RB Configuration – Ant2)

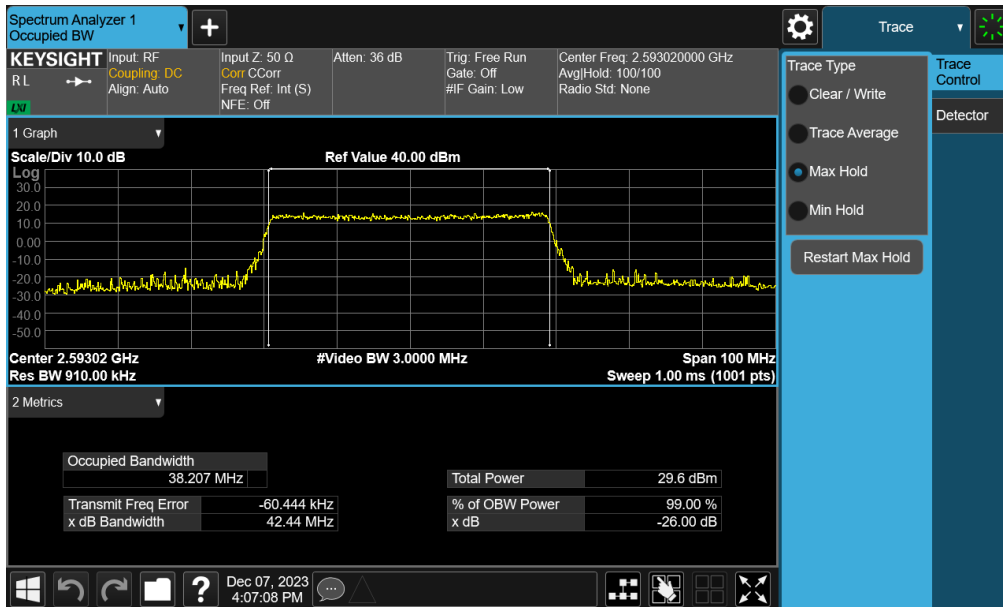


Plot 7-119. Occupied Bandwidth Plot (NR Band n41- 50MHz 16-QAM - Full RB Configuration – Ant2)

FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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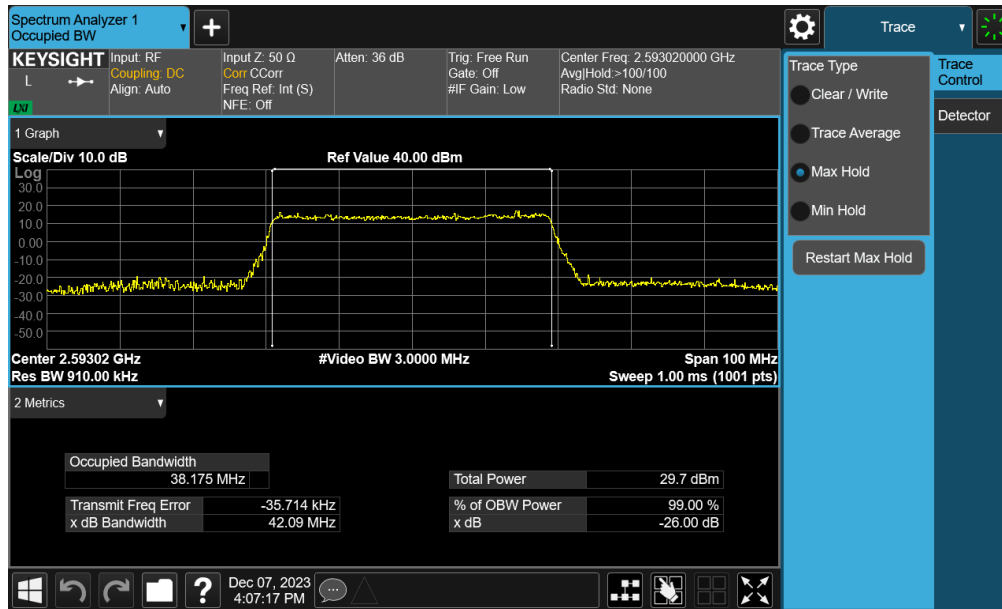


Plot 7-120. Occupied Bandwidth Plot (NR Band n41- 40MHz $\pi/2$ BPSK - Full RB Configuration – Ant2)

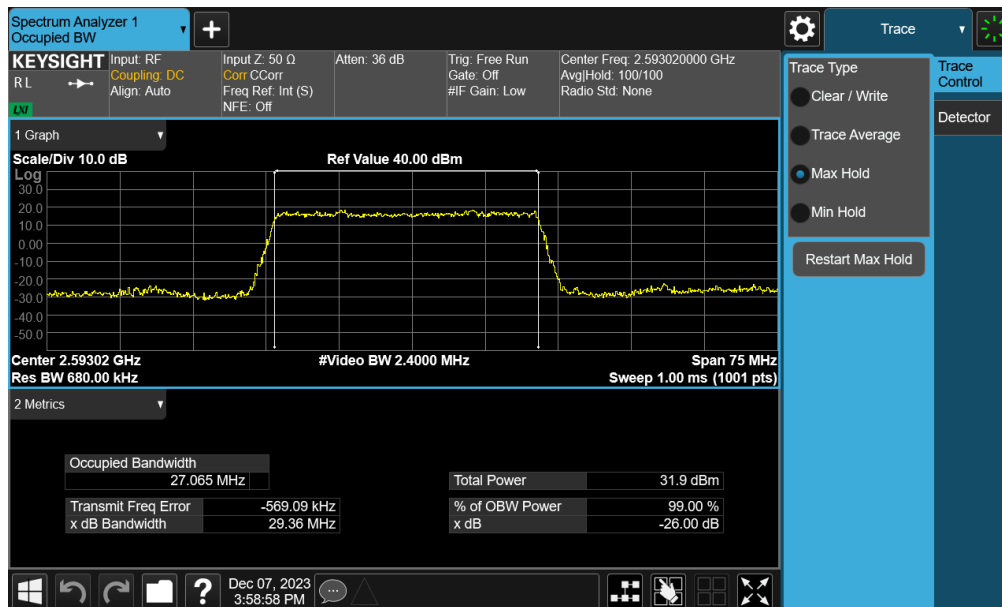


Plot 7-121. Occupied Bandwidth Plot (NR Band n41 - 40MHz QPSK - Full RB Configuration – Ant2)

FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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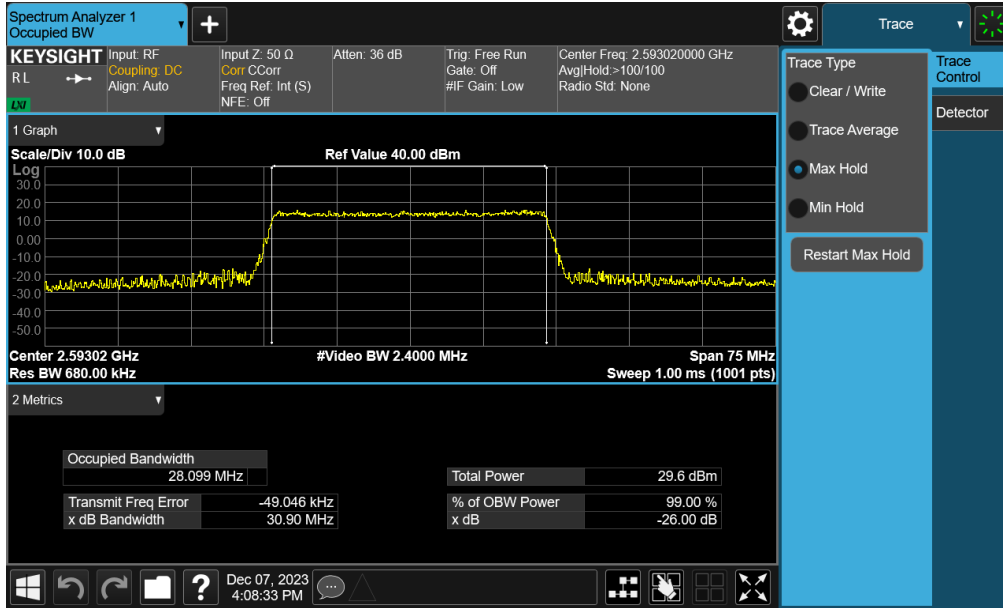


Plot 7-122. Occupied Bandwidth Plot (NR Band n41 - 40MHz 16-QAM - Full RB Configuration – Ant2)

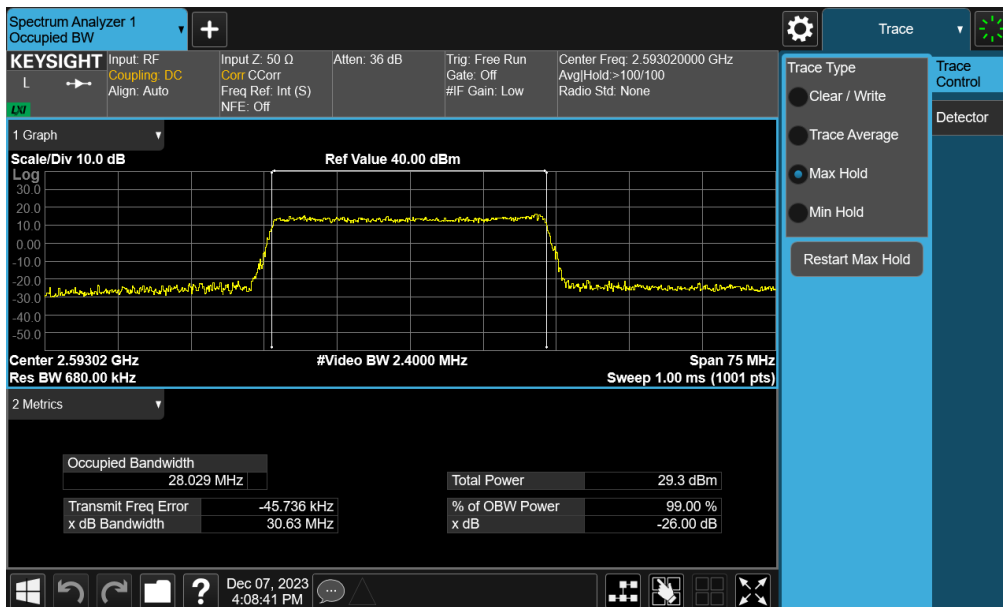


Plot 7-123. Occupied Bandwidth Plot (NR Band n41- 30MHz $\pi/2$ BPSK - Full RB Configuration – Ant2)

FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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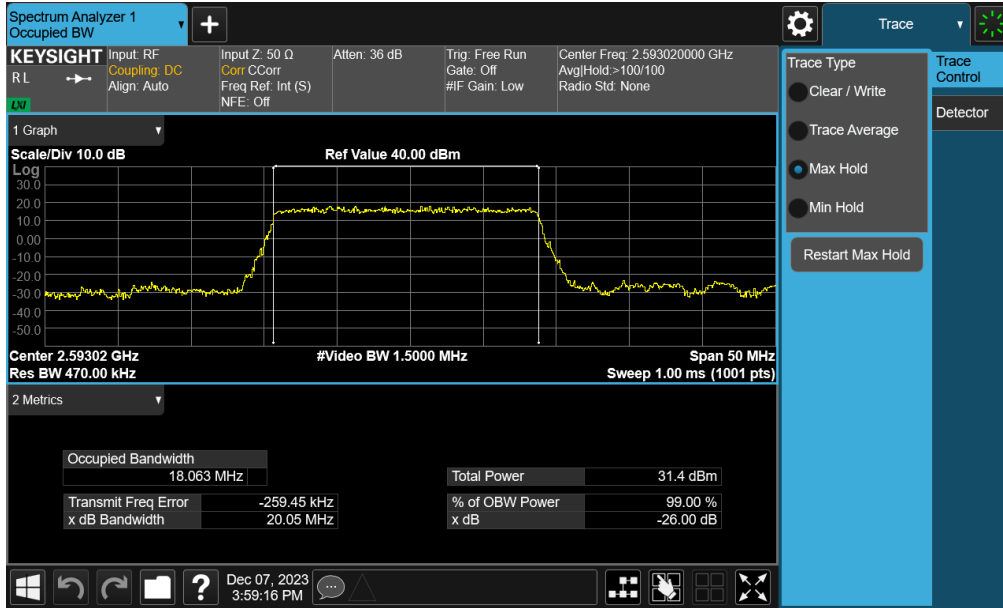


Plot 7-124. Occupied Bandwidth Plot (NR Band n41- 30MHz QPSK - Full RB Configuration – Ant2)

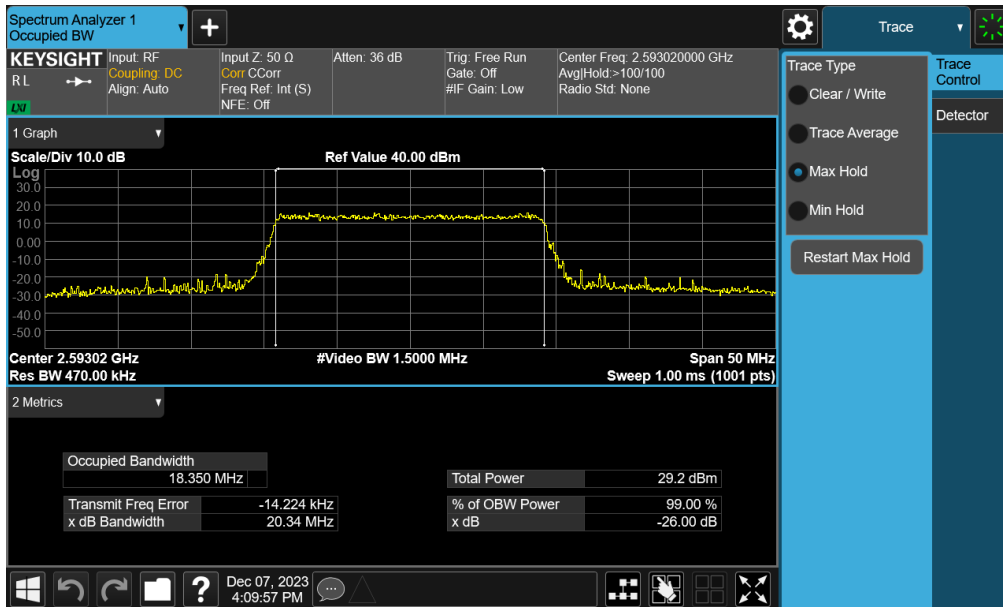


Plot 7-125. Occupied Bandwidth Plot (NR Band n41- 30MHz 16-QAM - Full RB Configuration – Ant2)

FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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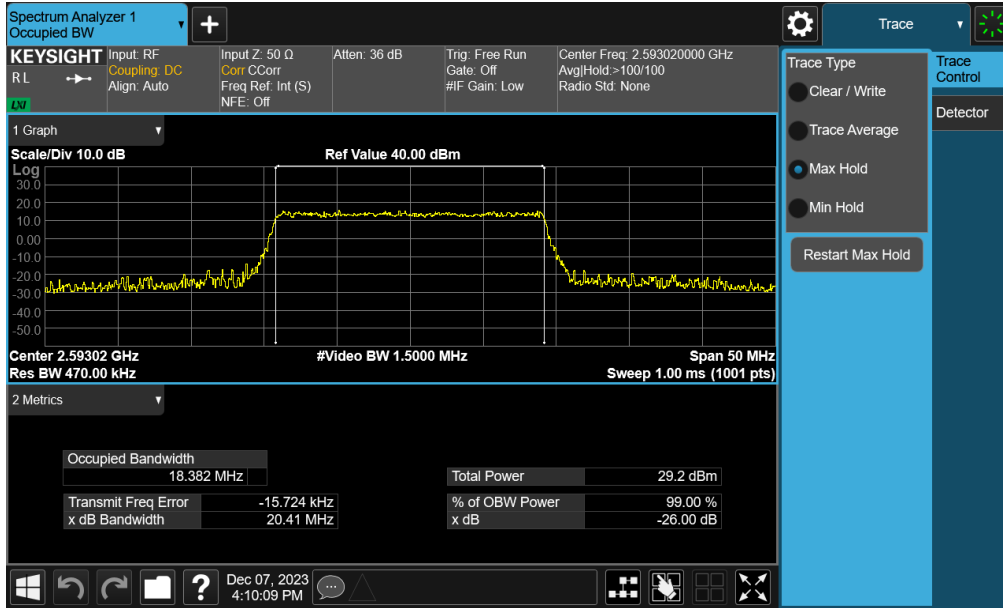


Plot 7-126. Occupied Bandwidth Plot (NR Band n41- 20MHz $\pi/2$ BPSK - Full RB Configuration – Ant2)

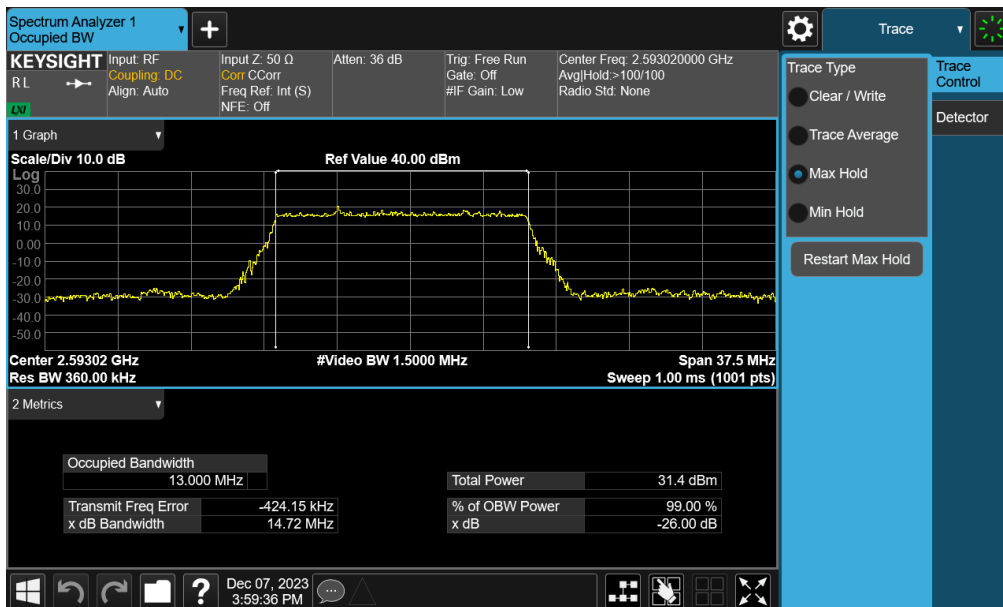


Plot 7-127. Occupied Bandwidth Plot (NR Band n41 - 20MHz QPSK - Full RB Configuration – Ant2)

FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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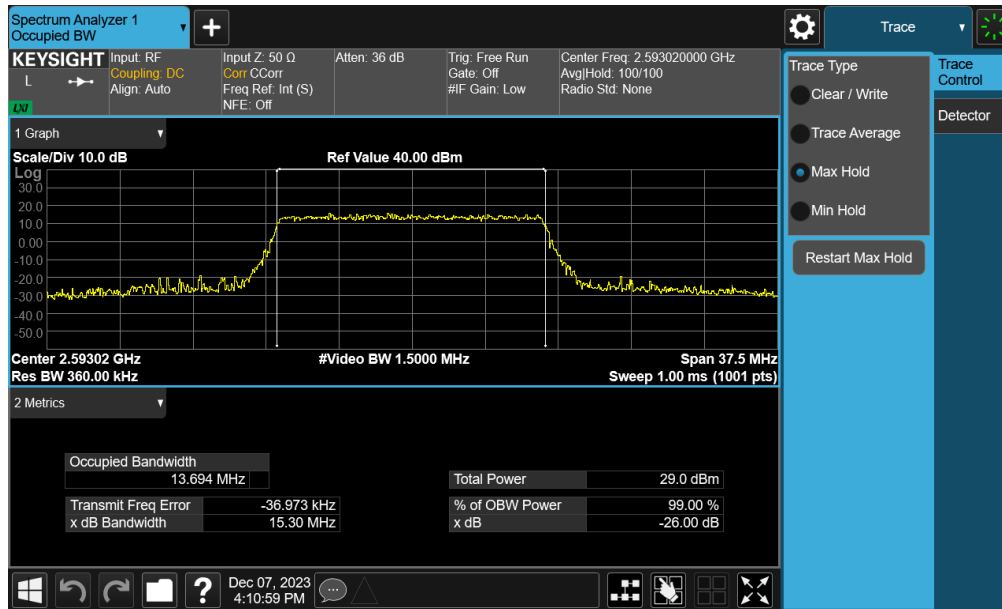


Plot 7-128. Occupied Bandwidth Plot (NR Band n41 - 20MHz 16-QAM - Full RB Configuration – Ant2)

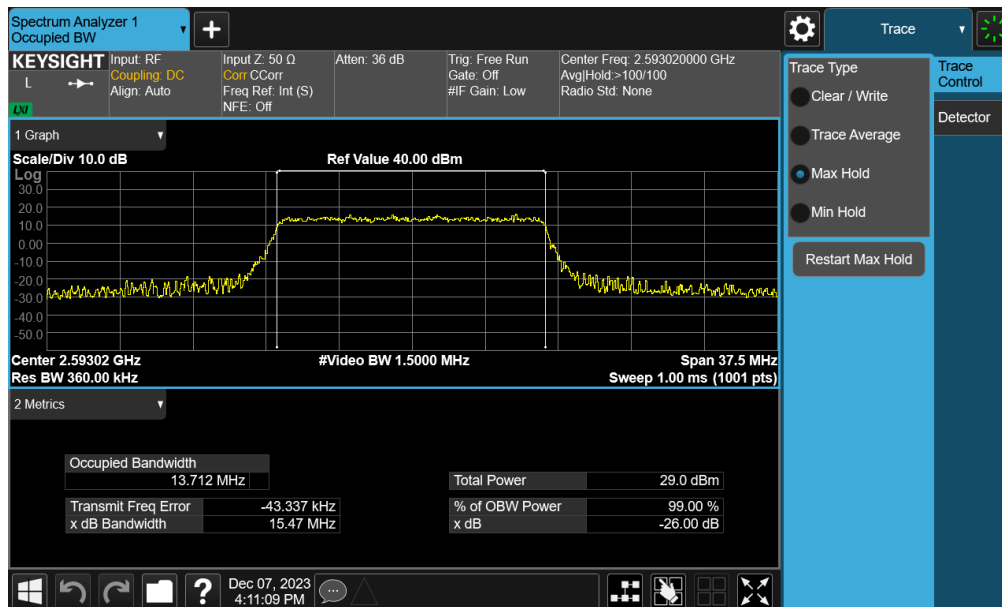


Plot 7-129. Occupied Bandwidth Plot (NR Band n41 - 15MHz $\pi/2$ BPSK - Full RB Configuration – Ant2)

FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-130. Occupied Bandwidth Plot (NR Band n41- 15MHz QPSK - Full RB Configuration – Ant2)

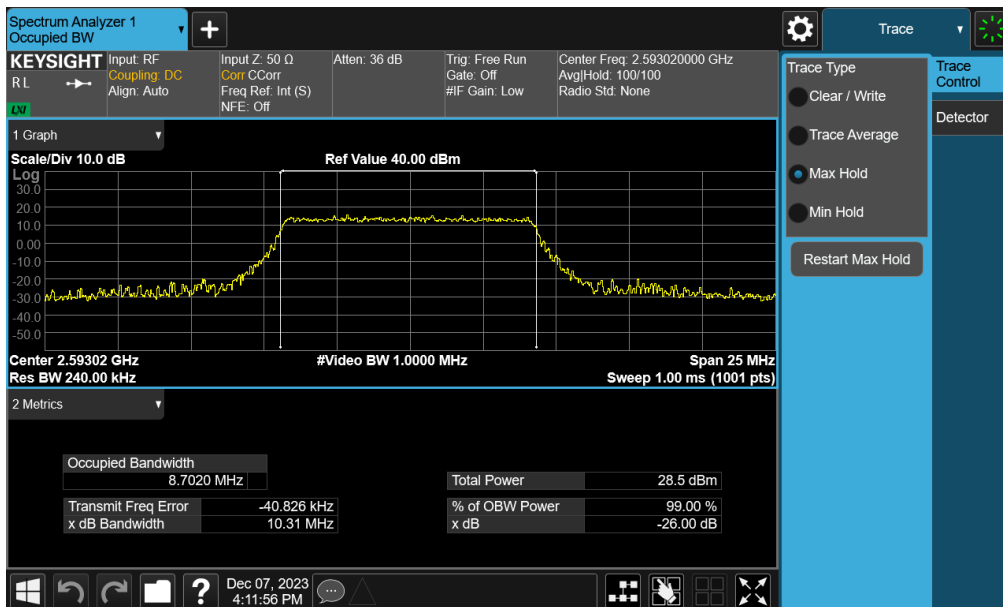


Plot 7-131. Occupied Bandwidth Plot (NR Band n41- 15MHz 16-QAM - Full RB Configuration – Ant2)

FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2311010111-05.A3L	Test Dates: 11/08/2023 - 12/29/2023	EUT Type: Portable Handset	Page 90 of 193



Plot 7-132. Occupied Bandwidth Plot (NR Band n41- 10MHz $\pi/2$ BPSK - Full RB Configuration – Ant2)



Plot 7-133. Occupied Bandwidth Plot (NR Band n41 - 10MHz QPSK - Full RB Configuration – Ant2)

FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2311010111-05.A3L	Test Dates: 11/08/2023 - 12/29/2023	EUT Type: Portable Handset	Page 91 of 193

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

For Band 7 and 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.

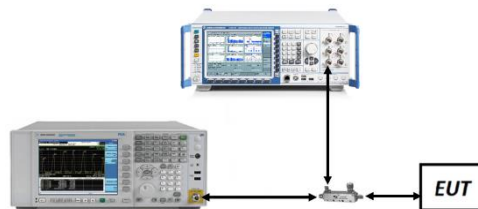


Figure 7-3. Test Instrument & Measurement Setup

Test Notes

1. Per Part 27, RSS-195 and RSS-199, compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz.
2. For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst-case configuration. All modes of operation were investigated and the worst-case configuration results are reported in this section.

FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2311010111-05.A3L	Test Dates: 11/08/2023 - 12/29/2023	EUT Type: Portable Handset	Page 93 of 193

Mode	Bandwidth	Channel	Range [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]
LTE-B30	10MHz	Mid	30.0 - 2288.0	-51.637	-40	-11.64
		Mid	2365.0 - 15000.0	-51.962	-40	-11.96
		Mid	15000.0 - 27000.0	-52.175	-40	-12.18
LTE-B7	20MHz	Low	30.0 - 2475.0	-51.324	-25	-26.32
		Low	2570.0 - 15000.0	-45.845	-25	-20.85
		Low	15000.0 - 27000.0	-59.651	-25	-34.65
		Mid	30.0 - 2500.0	-50.68	-25	-25.68
		Mid	2570.0 - 15000.0	-45.94	-25	-20.94
		Mid	15000.0 - 27000.0	-59.23	-25	-34.23
		High	30.0 - 2500.0	-51.31	-25	-26.31
		High	2570.0 - 15000.0	-45.78	-25	-20.78
		High	15000.0 - 27000.0	-59.28	-25	-34.28
LTE-B41 PC2	20MHz	Low	30.0 - 2475.0	-42.48	-25	-17.48
		Low	2690.0 - 15000.0	-37.83	-25	-12.83
		Low	15000.0 - 27000.0	-51.34	-25	-26.34
		Mid	30.0 - 2500.0	-42.63	-25	-17.63
		Mid	2690.0 - 15000.0	-37.74	-25	-12.74
		Mid	15000.0 - 27000.0	-50.63	-25	-25.63
		High	30.0 - 2500.0	-43.10	-25	-18.10
		High	2690.0 - 15000.0	-37.84	-25	-12.84
		High	15000.0 - 27000.0	-51.57	-25	-26.57
LTE-B38	20MHz	Low	30.0 - 2475.0	-42.73	-25	-17.73
		Low	2690.0 - 15000.0	-38.25	-25	-13.25
		Low	15000.0 - 27000.0	-52.22	-25	-27.22
		Mid	30.0 - 2500.0	-42.90	-25	-17.90
		Mid	2690.0 - 15000.0	-38.05	-25	-13.05
		Mid	15000.0 - 27000.0	-51.79	-25	-26.79
		High	30.0 - 2500.0	-43.39	-25	-18.39
		High	2690.0 - 15000.0	-37.92	-25	-12.92
		High	15000.0 - 27000.0	-51.38	-25	-26.38
LTE-B41 PC2 ULCA	20+20MHz	Low	30.0 - 2475.0	-40.93	-25	-15.93
		Low	2496.0 - 2690.0	14.46	-	-
		Low	2690.0 - 15000.0	-37.28	-25	-12.28
		Low	15000.0 - 27000.0	-51.79	-25	-26.79
		Mid	30.0 - 2496.0	-43.35	-25	-18.35
		Mid	2496.0 - 2690.0	16.17	-	-
		Mid	2690.0 - 15000.0	-37.77	-25	-12.77
		Mid	15000.0 - 27000.0	-51.90	-25	-26.90
		High	30.0 - 2496.0	-43.43	-25	-18.43
		High	2496.0 - 2690.0	16.47	-	-
		High	2690.0 - 15000.0	-37.30	-25	-12.30
		High	15000.0 - 27000.0	-51.95	-25	-26.95

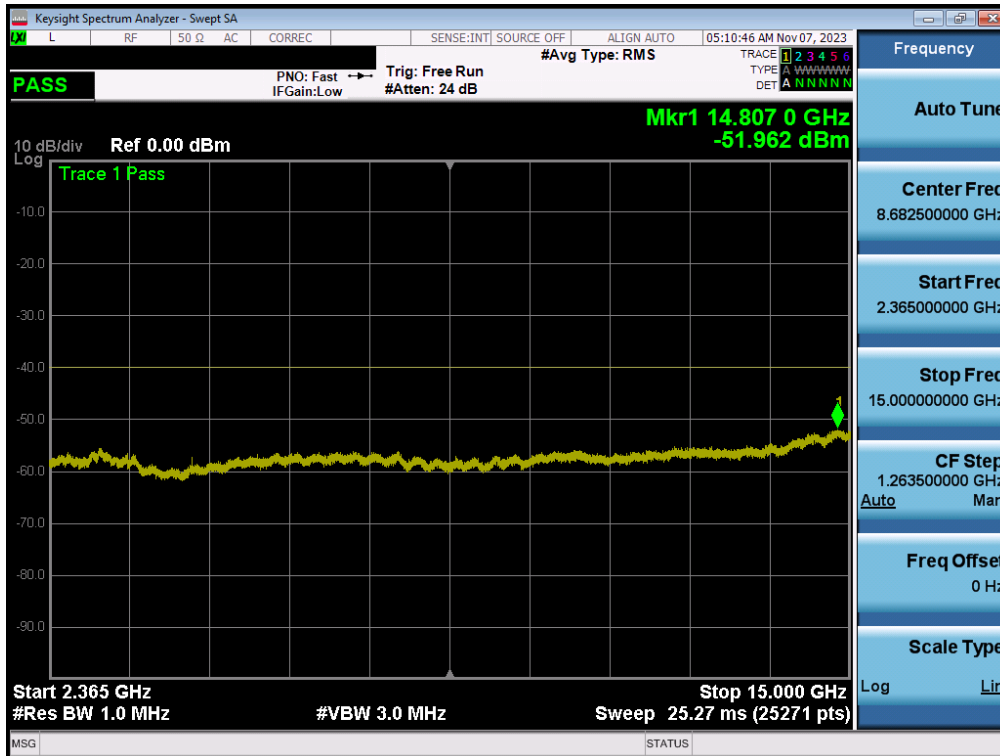
Table 7-13. Conducted Spurious Emission Results – LTE – Ant1

FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2311010111-05.A3L	Test Dates: 11/08/2023 - 12/29/2023	EUT Type: Portable Handset	Page 94 of 193

LTE Band 30 – Ant1

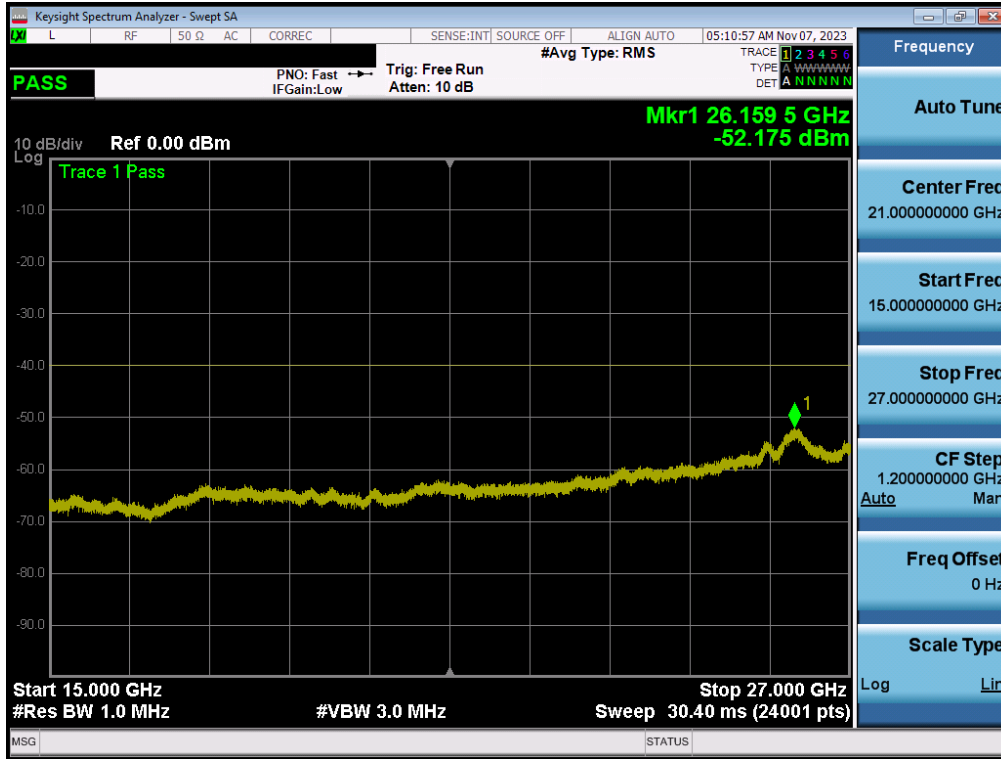


Plot 7-135. Conducted Spurious Plot (LTE Band 30 - 10MHz QPSK - RB Size 1, RB Offset 0 - Ant1)



Plot 7-136. Conducted Spurious Plot (LTE Band 30 - 10MHz QPSK - RB Size 1, RB Offset 0 - Ant1)

FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2311010111-05.A3L	Test Dates: 11/08/2023 - 12/29/2023	EUT Type: Portable Handset	Page 95 of 193



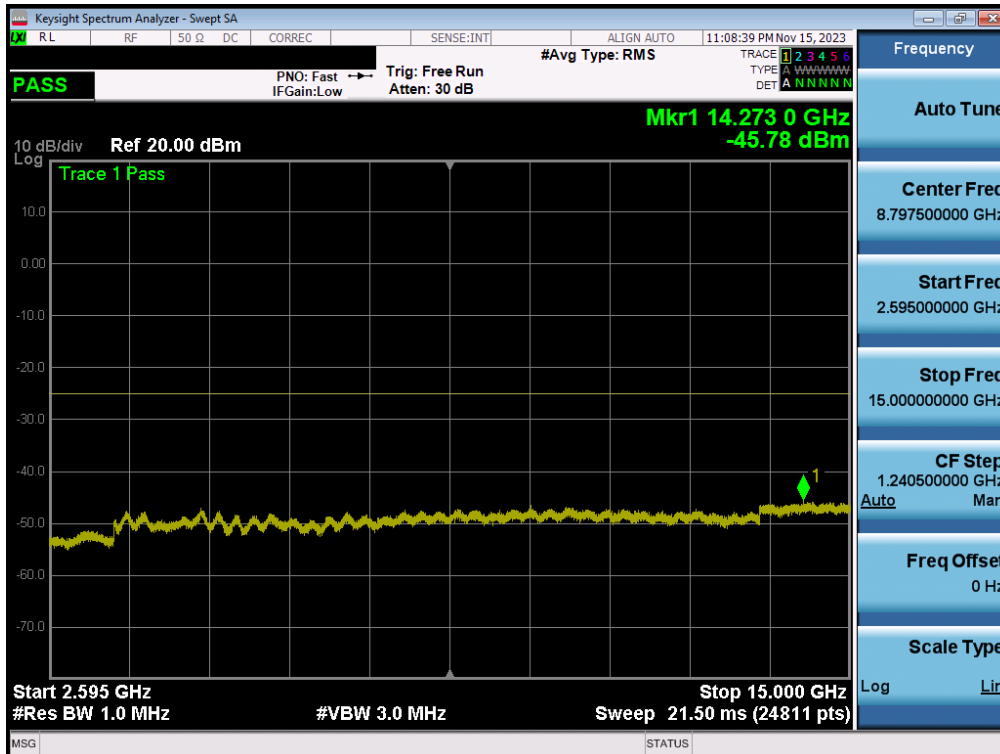
Plot 7-137. Conducted Spurious Plot (LTE Band 30 - 10MHz QPSK - RB Size 1, RB Offset 0 - Ant1)

FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2311010111-05.A3L	Test Dates: 11/08/2023 - 12/29/2023	EUT Type: Portable Handset	Page 96 of 193

LTE Band 7 – Ant1



Plot 7-138. Conducted Spurious Plot (LTE Band 7 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel - Ant1)



Plot 7-139. Conducted Spurious Plot (LTE Band 7 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel - Ant1)

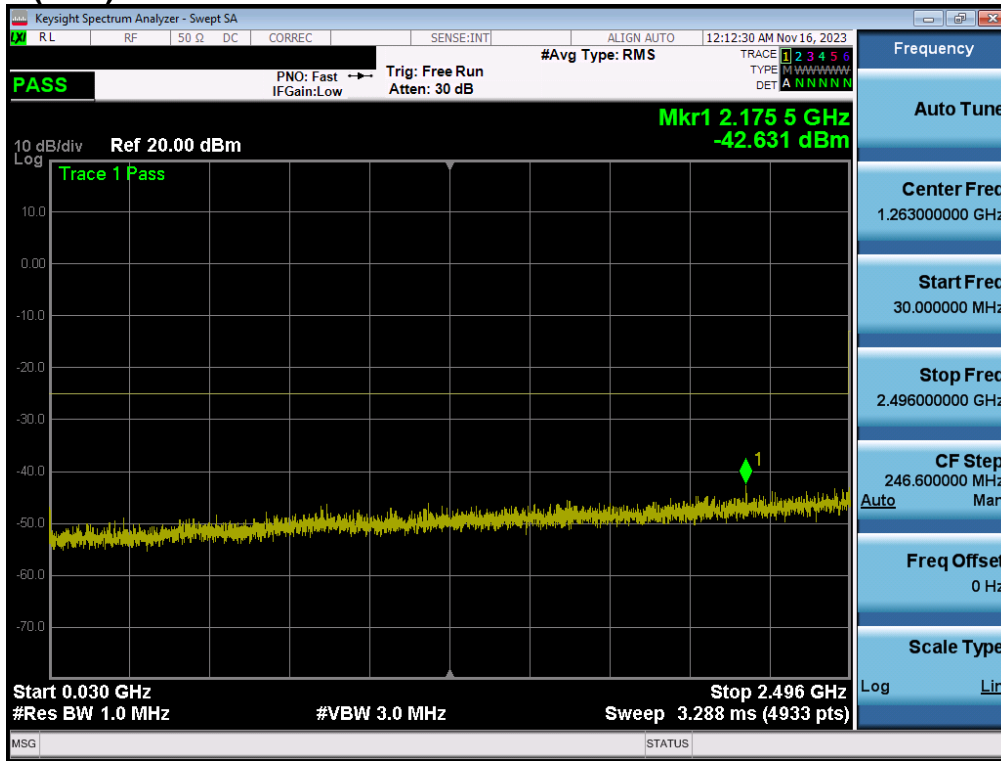
FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2311010111-05.A3L	Test Dates: 11/08/2023 - 12/29/2023	EUT Type: Portable Handset	Page 97 of 193



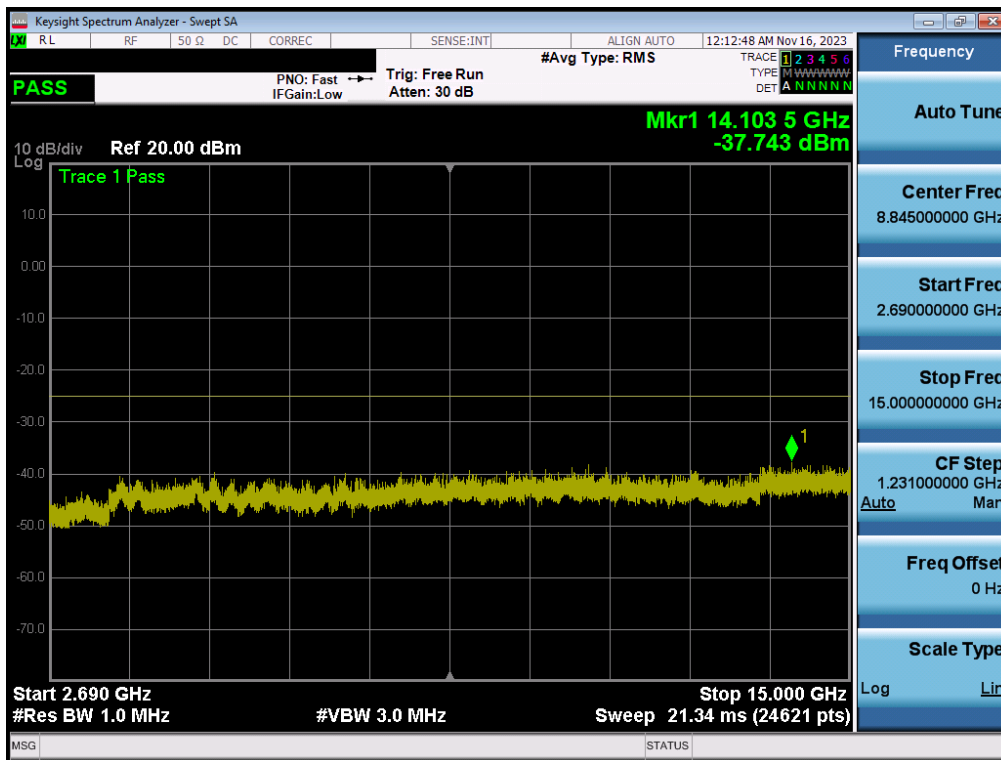
Plot 7-140. Conducted Spurious Plot (LTE Band 7 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel - Ant1)

FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2311010111-05.A3L	Test Dates: 11/08/2023 - 12/29/2023	EUT Type: Portable Handset	Page 98 of 193

LTE Band 41(PC2) – Ant1



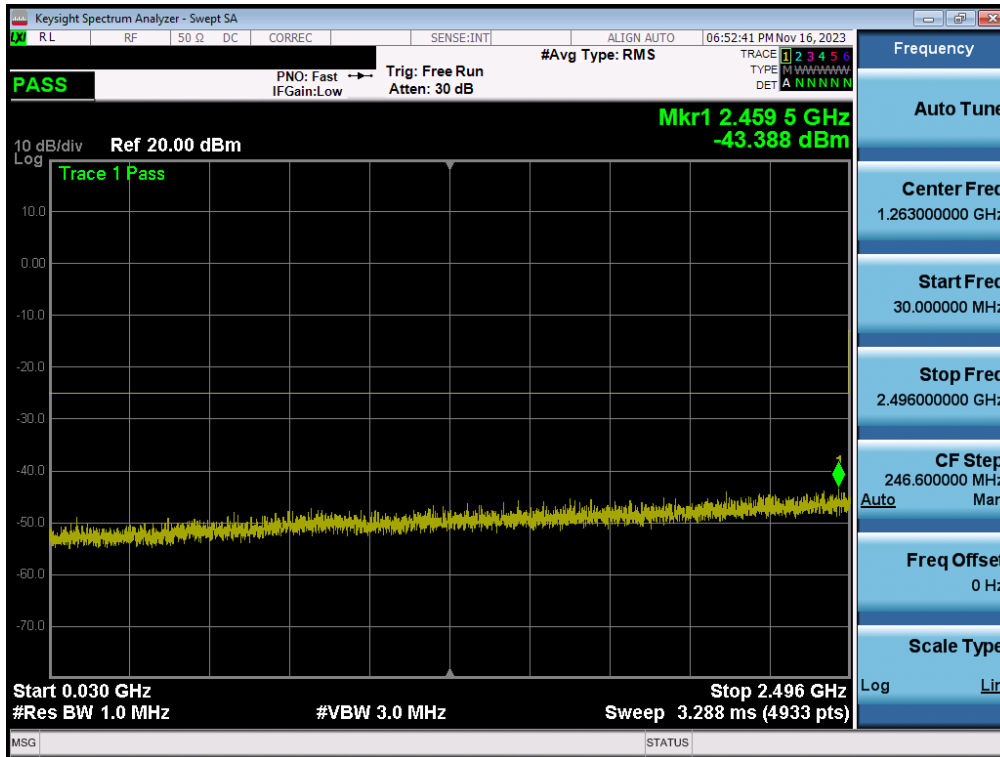
Plot 7-141. Conducted Spurious Plot (LTE Band 41(PC2) - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel - Ant1)



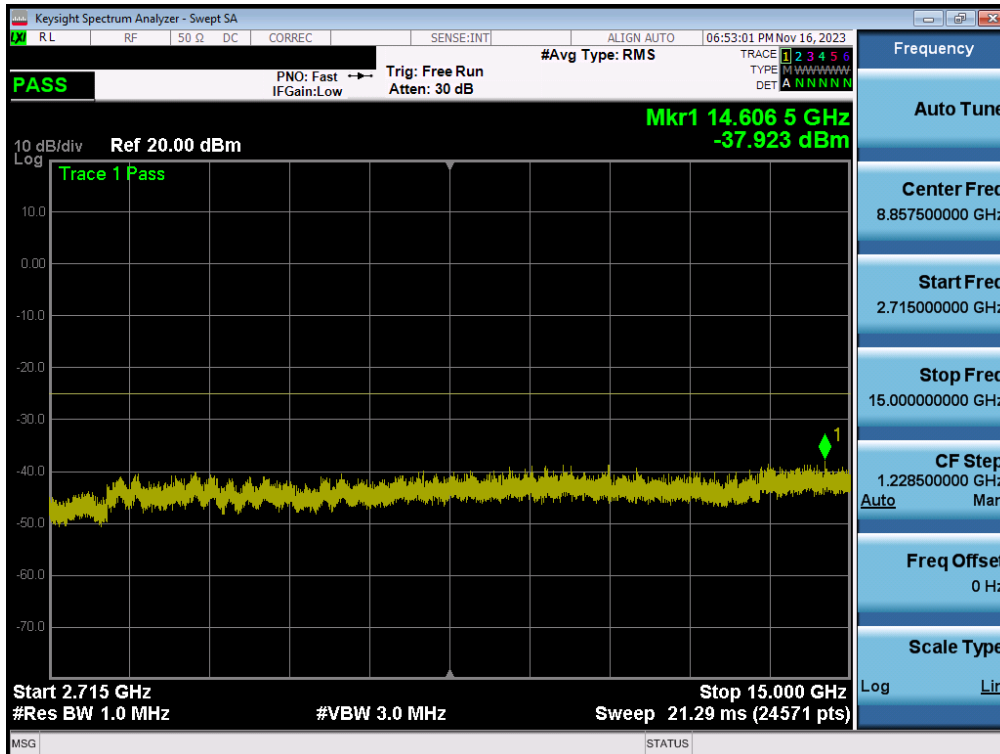
Plot 7-142. Conducted Spurious Plot (LTE Band 41(PC2) - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel - Ant1)

FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 38 – Ant1

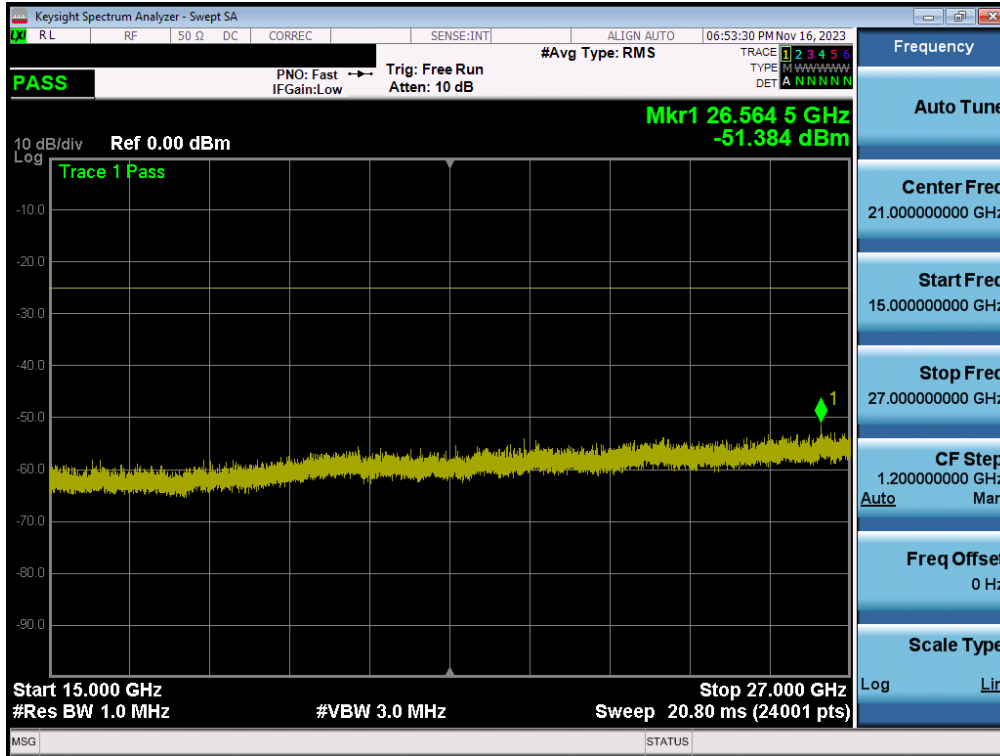


Plot 7-144. Conducted Spurious Plot (LTE Band 38 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel - Ant1)



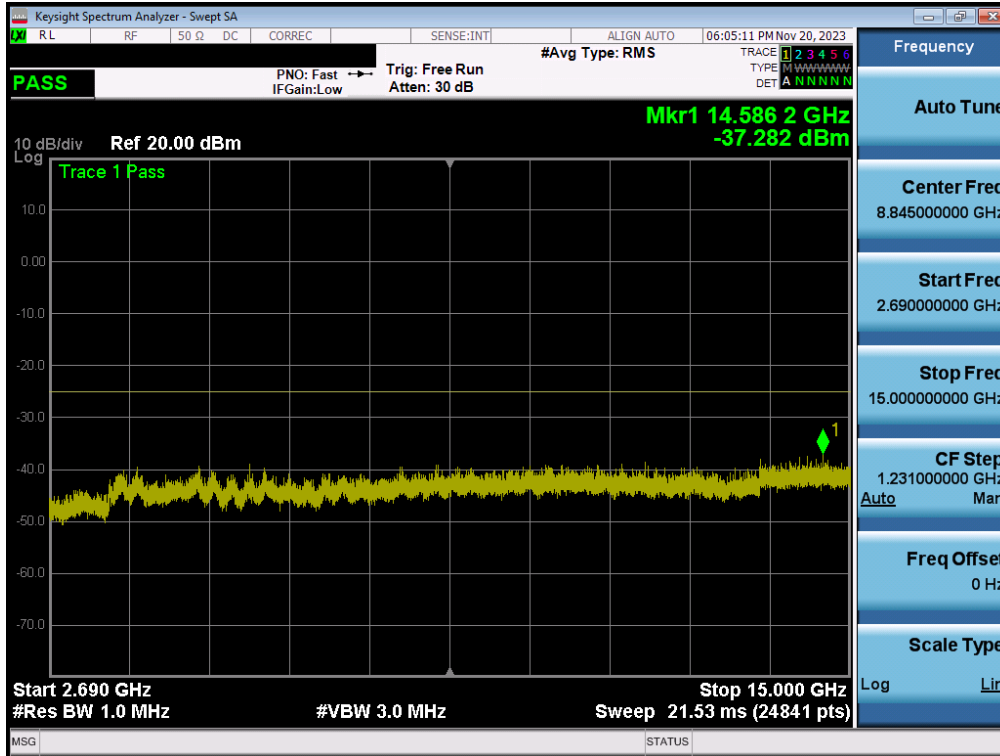
Plot 7-145. Conducted Spurious Plot (LTE Band 38 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel - Ant1)

FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2311010111-05.A3L	Test Dates: 11/08/2023 - 12/29/2023	EUT Type: Portable Handset	Page 101 of 193

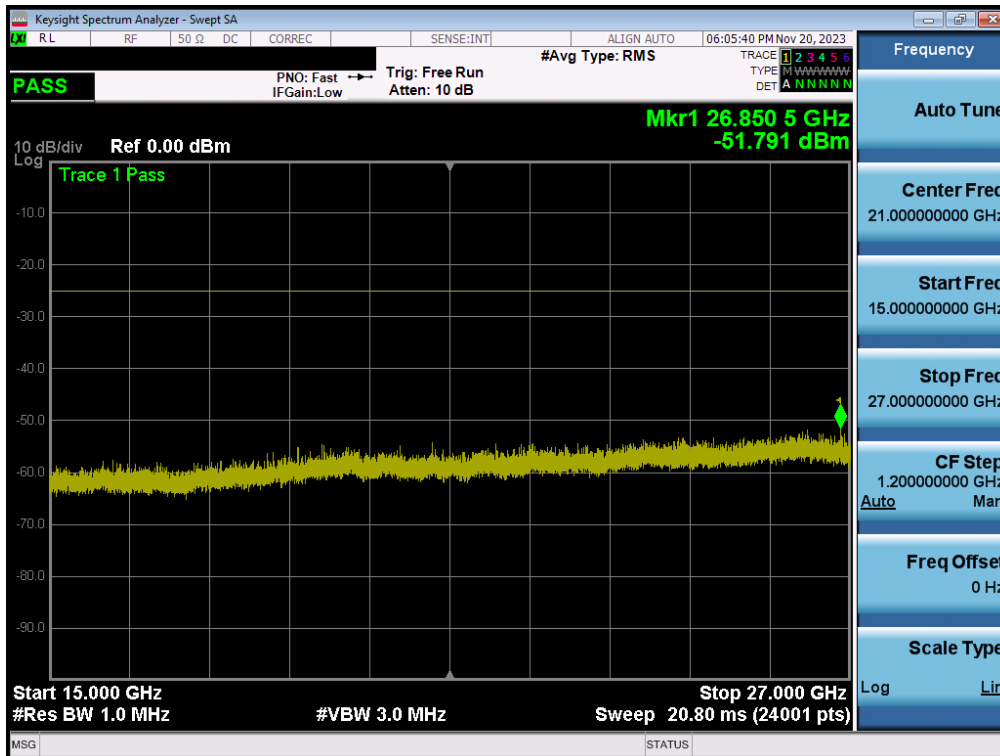


Plot 7-146. Conducted Spurious Plot (LTE Band 38 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel - Ant1)

FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2311010111-05.A3L	Test Dates: 11/08/2023 - 12/29/2023	EUT Type: Portable Handset	Page 102 of 193



Plot 7-149. Conducted Spurious Plot (ULCA LTE B41(PC2) - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel Ant1)



Plot 7-150. Conducted Spurious Plot (ULCA LTE B41(PC2) - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel Ant1)

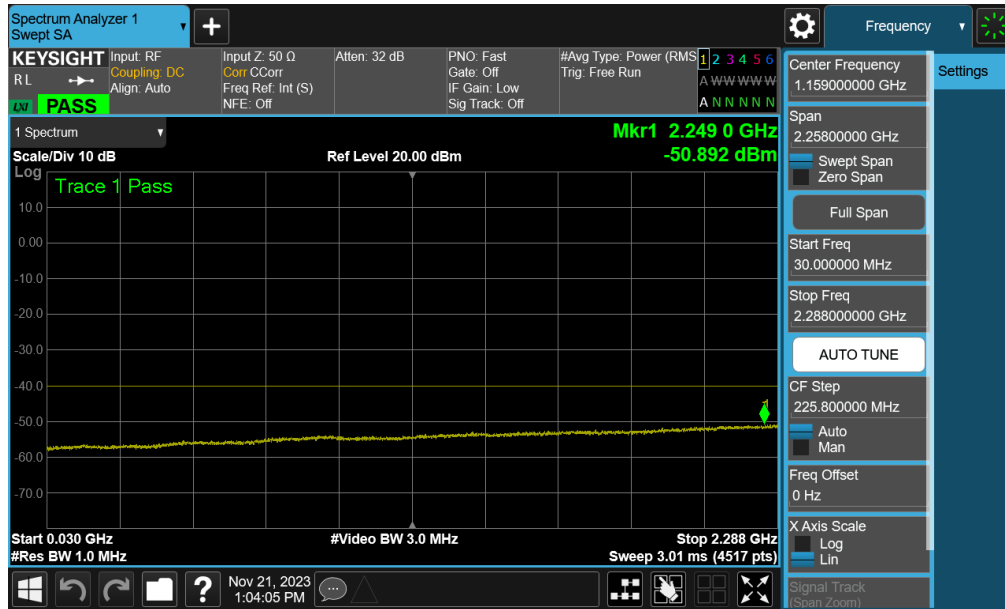
FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2311010111-05.A3L	Test Dates: 11/08/2023 - 12/29/2023	EUT Type: Portable Handset	Page 104 of 193

Mode	Bandwidth	Channel	Range [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n30	10MHz	Mid	30.0 - 2288.0	-50.89	-40	-10.89
		Mid	2365.0 - 15000.0	-53.83	-40	-13.83
		Mid	15000.0 - 27000.0	-59.31	-40	-19.31
NR-n41PC2	20MHz	Low	30.0 - 2475.0	-43.10	-25	-18.10
		Low	2690.0 - 15000.0	-37.98	-25	-12.98
		Low	15000.0 - 27000.0	-52.08	-25	-27.08
		Mid	30.0 - 2500.0	-37.48	-25	-12.48
		Mid	2690.0 - 15000.0	-36.01	-25	-11.01
		Mid	15000.0 - 27000.0	-52.33	-25	-27.33
		High	30.0 - 2500.0	-39.30	-25	-14.30
		High	2690.0 - 15000.0	-36.23	-25	-11.23
		High	15000.0 - 27000.0	-52.06	-25	-27.06

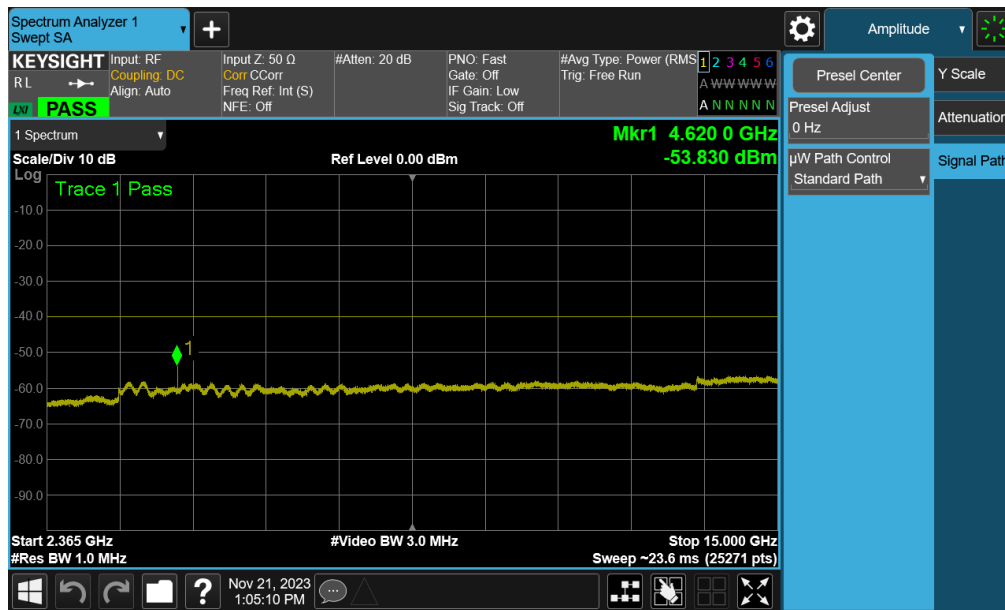
Table 7-14. Conducted Spurious Emission Results – NR – Ant1

FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2311010111-05.A3L	Test Dates: 11/08/2023 - 12/29/2023	EUT Type: Portable Handset	Page 105 of 193

NR Band n30 – Ant1

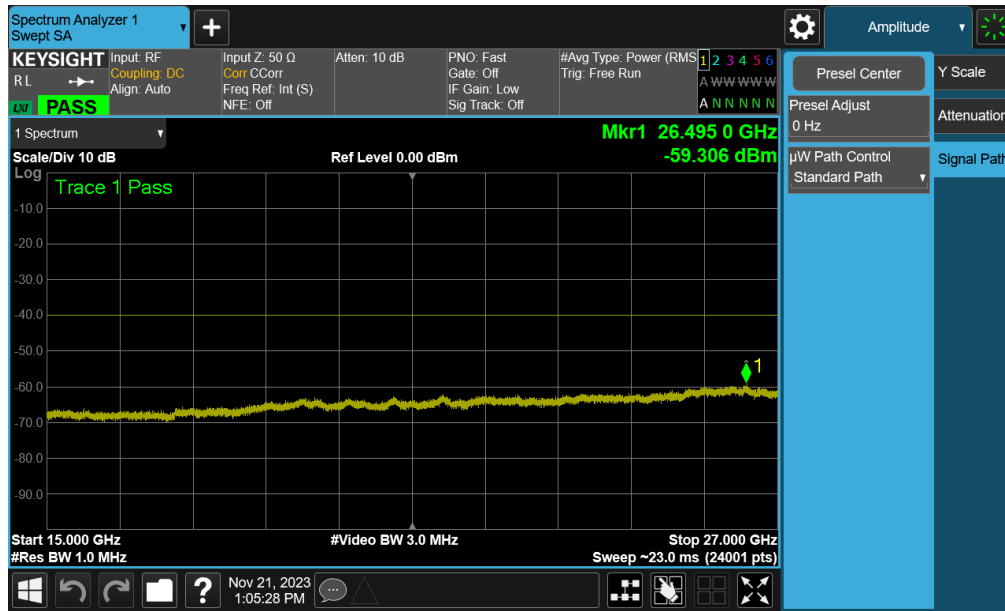


Plot 7-151. Conducted Spurious Plot (NR Band n30 - 10MHz QPSK - RB Size 1, RB Offset 0 – Ant1)



Plot 7-152. Conducted Spurious Plot (NR Band n30 - 10MHz QPSK - RB Size 1, RB Offset 0 – Ant1)

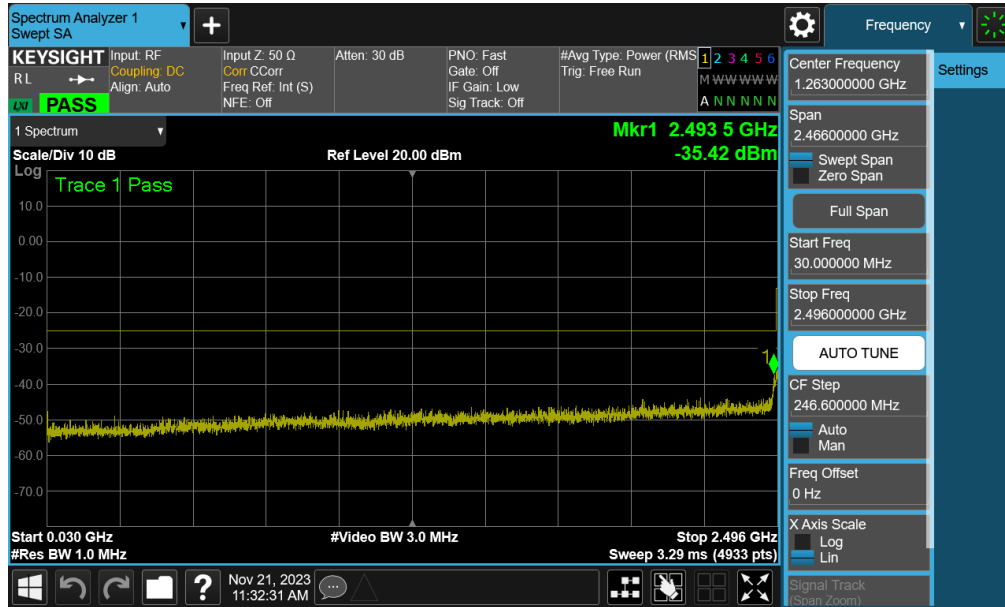
FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2311010111-05.A3L	Test Dates: 11/08/2023 - 12/29/2023	EUT Type: Portable Handset	Page 106 of 193



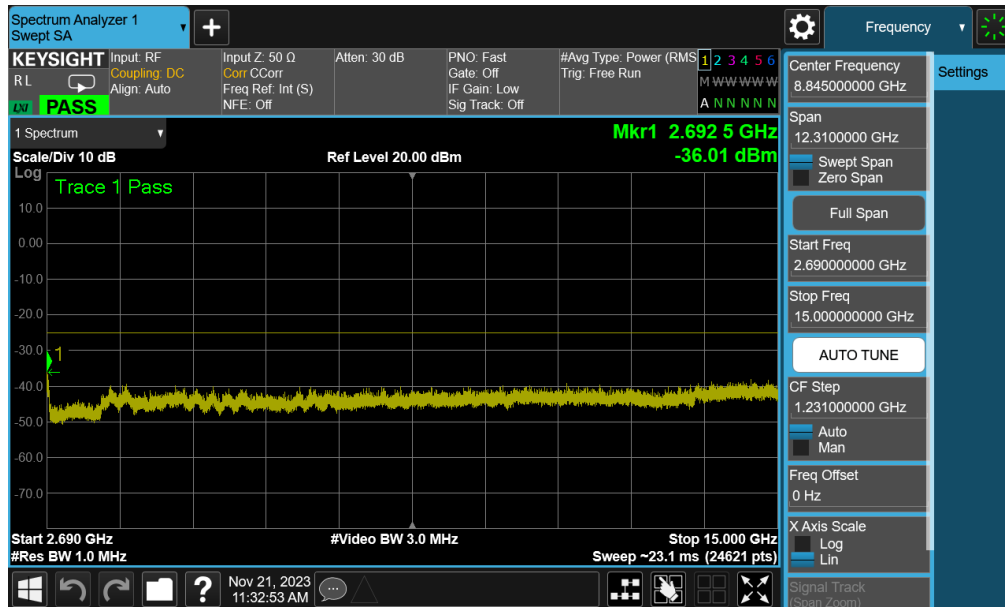
Plot 7-153. Conducted Spurious Plot (NR Band n30 - 10MHz QPSK - RB Size 1, RB Offset 0 – Ant1)

FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n41 – Ant1

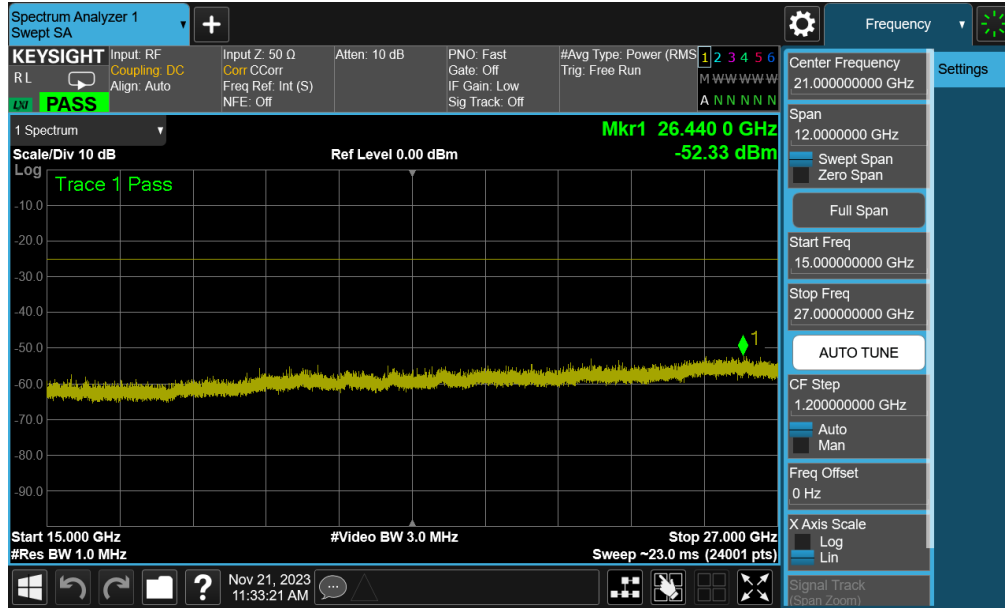


Plot 7-154. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel – Ant1)



Plot 7-155. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel – Ant1)

FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2311010111-05.A3L	Test Dates: 11/08/2023 - 12/29/2023	EUT Type: Portable Handset	Page 108 of 193



Plot 7-156. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel – Ant1)

FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2311010111-05.A3L	Test Dates: 11/08/2023 - 12/29/2023	EUT Type: Portable Handset	Page 109 of 193

Mode	Bandwidth	Channel	Range [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]
LTE-B30	10MHz	Mid	30.0 - 2288.0	-52.04	-40	-12.04
		Mid	2365.0 - 15000.0	-53.59	-40	-13.59
		Mid	15000.0 - 27000.0	-59.23	-40	-19.23
LTE-B7	20MHz	Low	30.0 - 2475.0	-51.06	-25	-26.06
		Low	2570.0 - 15000.0	-45.909	-25	-20.91
		Low	15000.0 - 27000.0	-59.225	-25	-34.23
		Mid	30.0 - 2500.0	-50.54	-25	-25.54
		Mid	2570.0 - 15000.0	-45.96	-25	-20.96
		Mid	15000.0 - 27000.0	-59.08	-25	-34.08
		High	30.0 - 2500.0	-50.88	-25	-25.88
		High	2570.0 - 15000.0	-45.64	-25	-20.64
		High	15000.0 - 27000.0	-59.20	-25	-34.20
LTE-B41 PC2	20MHz	Low	30.0 - 2475.0	-43.02	-25	-18.02
		Low	2690.0 - 15000.0	-37.22	-25	-12.22
		Low	15000.0 - 27000.0	-51.73	-25	-26.73
		Mid	30.0 - 2500.0	-43.32	-25	-18.32
		Mid	2690.0 - 15000.0	-36.99	-25	-11.99
		Mid	15000.0 - 27000.0	-51.86	-25	-26.86
		High	30.0 - 2500.0	-43.48	-25	-18.48
		High	2690.0 - 15000.0	-36.87	-25	-11.87
		High	15000.0 - 27000.0	-51.07	-25	-26.07
LTE-B38	20MHz	Low	30.0 - 2475.0	-42.86	-25	-17.86
		Low	2690.0 - 15000.0	-37.23	-25	-12.23
		Low	15000.0 - 27000.0	-51.52	-25	-26.52
		Mid	30.0 - 2500.0	-43.14	-25	-18.14
		Mid	2690.0 - 15000.0	-36.88	-25	-11.88
		Mid	15000.0 - 27000.0	-50.90	-25	-25.90
		High	30.0 - 2500.0	-43.54	-25	-18.54
		High	2690.0 - 15000.0	-37.78	-25	-12.78
		High	15000.0 - 27000.0	-51.60	-25	-26.60

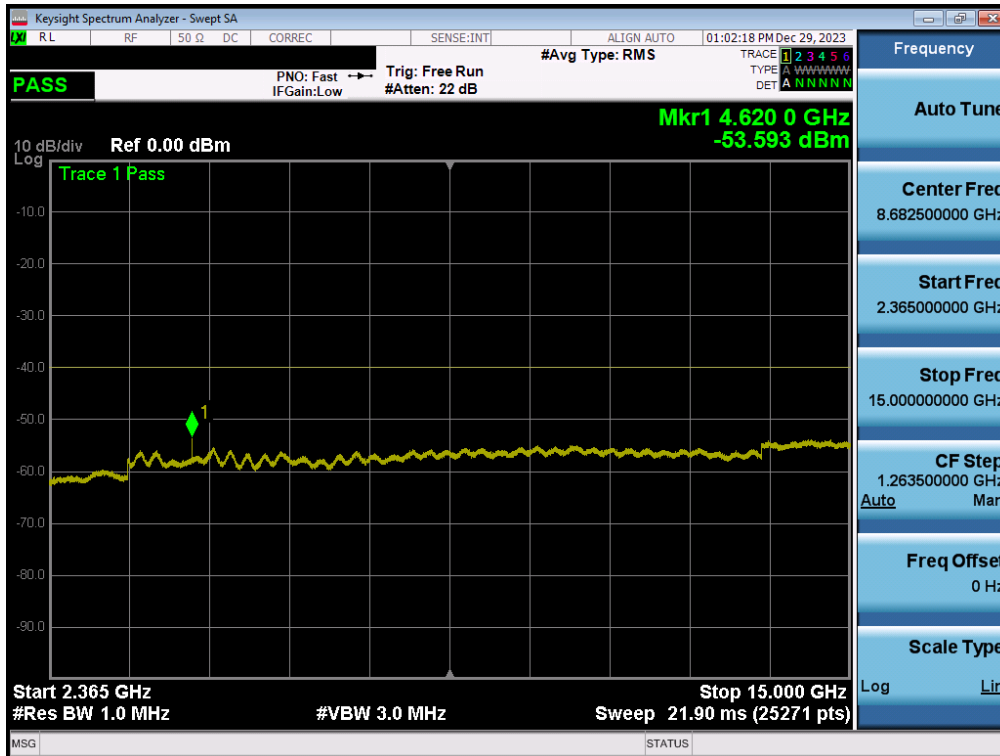
Table 7-15. Conducted Spurious Emission Results – LTE – Ant2

FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2311010111-05.A3L	Test Dates: 11/08/2023 - 12/29/2023	EUT Type: Portable Handset	Page 110 of 193

LTE Band 30 – Ant2



Plot 7-157. Conducted Spurious Plot (LTE Band 30 - 10MHz QPSK - RB Size 1, RB Offset 0 - Ant2)



Plot 7-158. Conducted Spurious Plot (LTE Band 30 - 10MHz QPSK - RB Size 1, RB Offset 0 - Ant2)

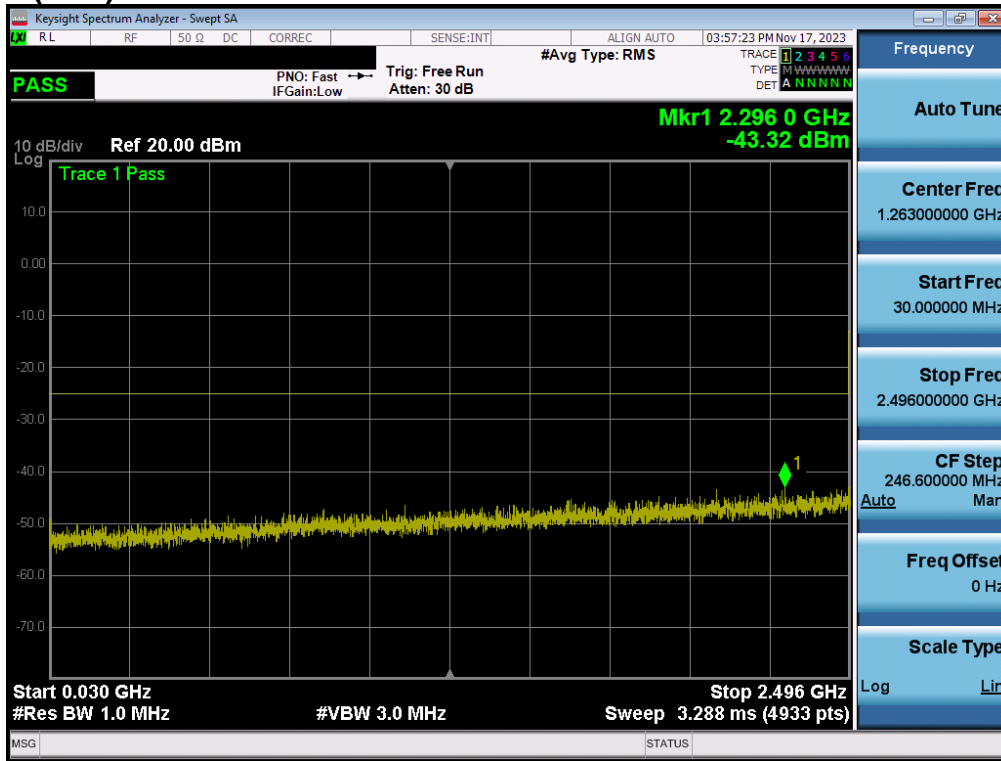
FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2311010111-05.A3L	Test Dates: 11/08/2023 - 12/29/2023	EUT Type: Portable Handset	Page 111 of 193



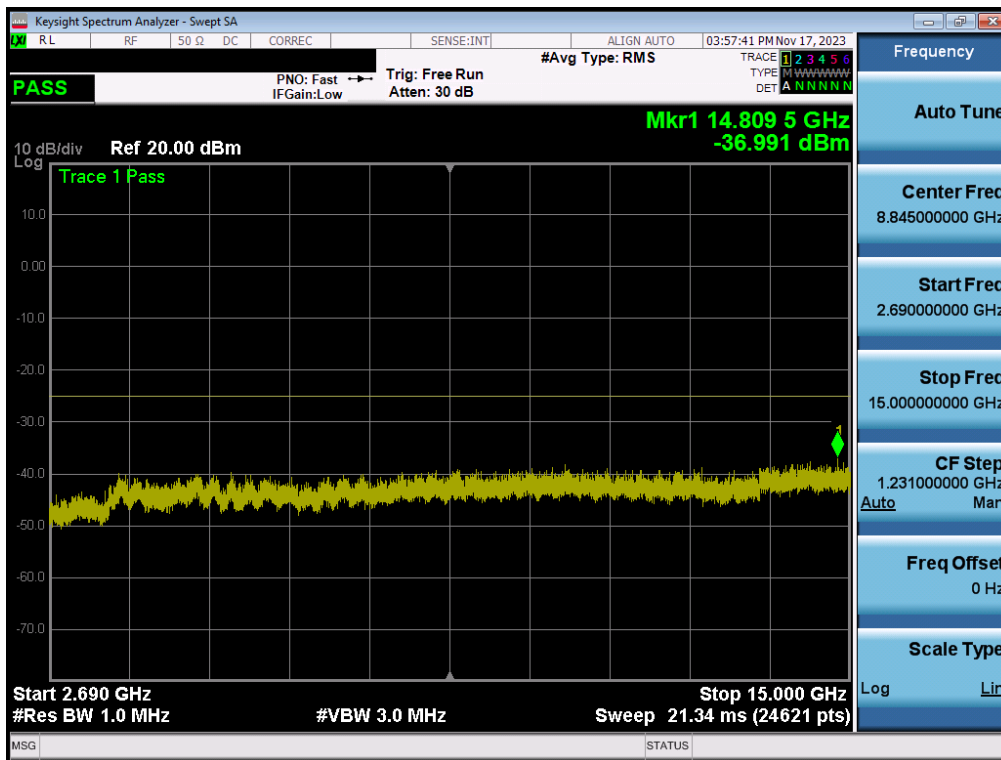
Plot 7-159. Conducted Spurious Plot (LTE Band 30 - 10MHz QPSK - RB Size 1, RB Offset 0 - Ant2)

FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2311010111-05.A3L	Test Dates: 11/08/2023 - 12/29/2023	EUT Type: Portable Handset	Page 112 of 193

LTE Band 41(PC2) – Ant2

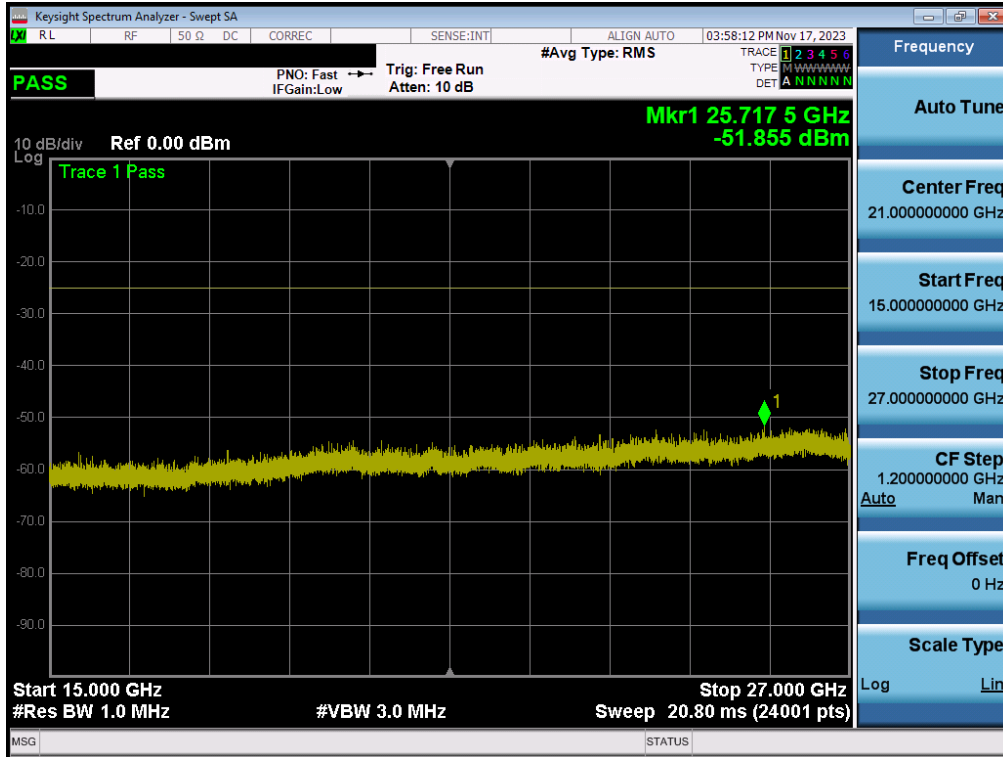


Plot 7-160. Conducted Spurious Plot (LTE Band 41(PC2) - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel - Ant2)



Plot 7-161. Conducted Spurious Plot (LTE Band 41(PC2) - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel - Ant2)

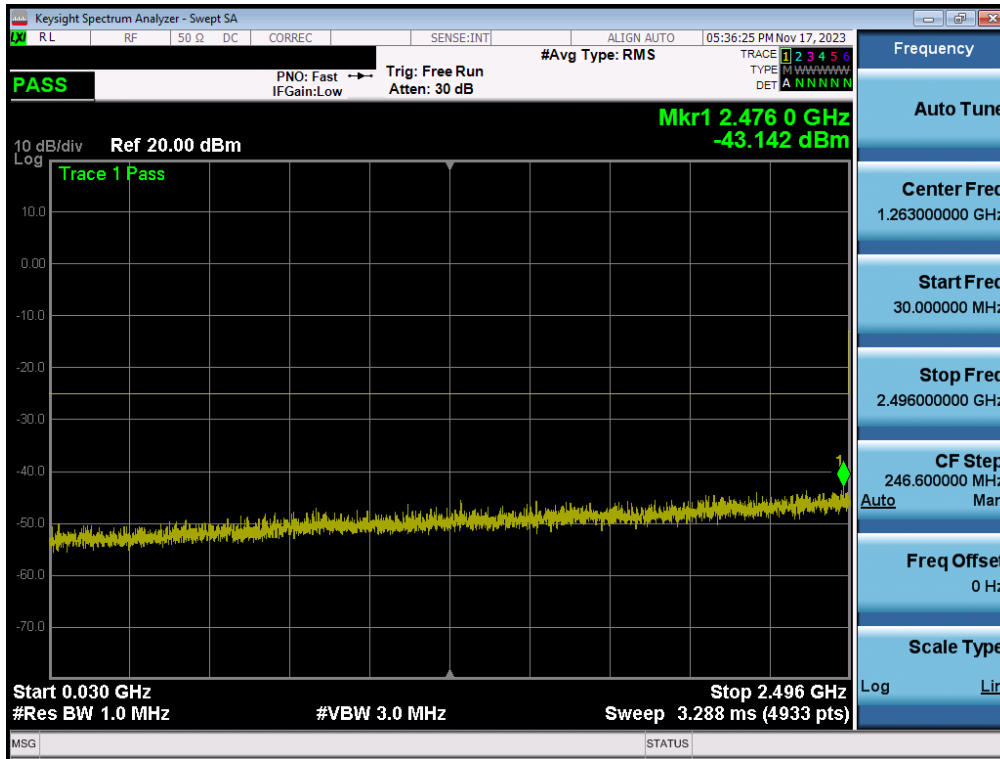
FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2311010111-05.A3L	Test Dates: 11/08/2023 - 12/29/2023	EUT Type: Portable Handset	Page 113 of 193



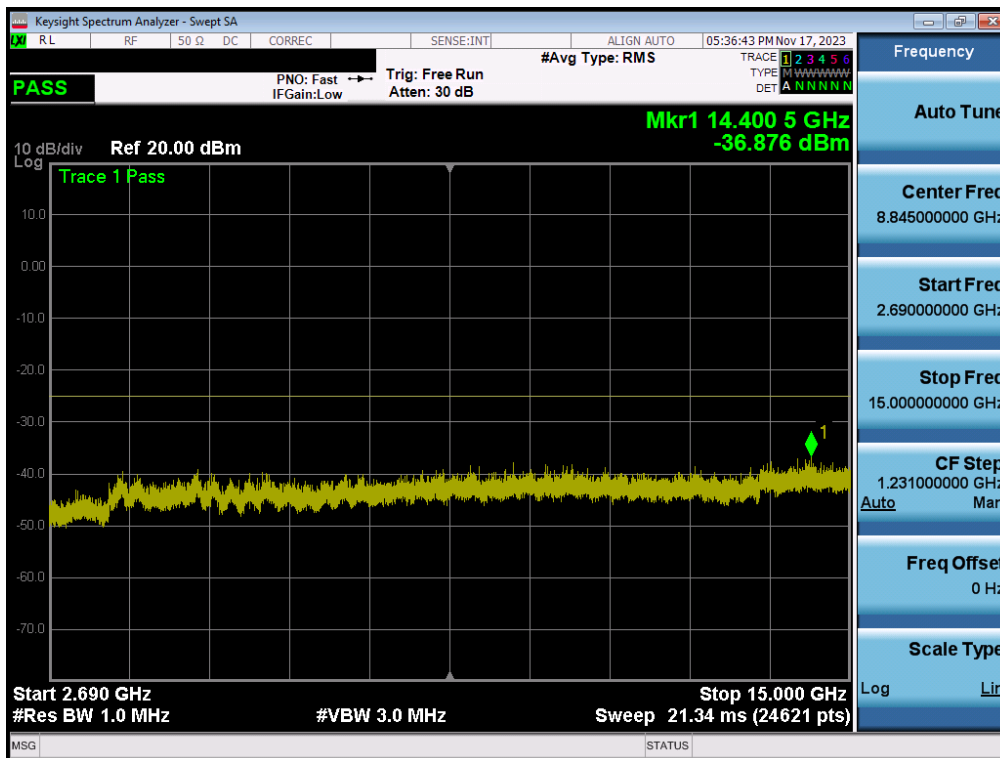
Plot 7-162. Conducted Spurious Plot (LTE Band 41(PC2) - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel - Ant2)

FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 38 – Ant2



Plot 7-163. Conducted Spurious Plot (LTE Band 38 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel - Ant2)



Plot 7-164. Conducted Spurious Plot (LTE Band 38 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel - Ant2)

FCC ID: A3LSMA356U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Mode	Channel	Range [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n30	Mid	30.0 - 2288.0	-52.45	-40	-12.45
	Mid	2365.0 - 15000.0	-49.61	-40	-9.61
	Mid	15000.0 - 27000.0	-59.68	-40	-19.68
NR-n41PC2	Low	30.0 - 2475.0	-42.99	-25	-17.99
	Low	2690.0 - 15000.0	-38.00	-25	-13.00
	Low	15000.0 - 27000.0	-52.12	-25	-27.12
	Mid	30.0 - 2500.0	-34.62	-25	-9.62
	Mid	2690.0 - 15000.0	-33.96	-25	-8.96
	Mid	15000.0 - 27000.0	-50.90	-25	-25.90
	High	30.0 - 2500.0	-40.68	-25	-15.68
	High	2690.0 - 15000.0	-37.40	-25	-12.40
	High	15000.0 - 27000.0	-52.03	-25	-27.03

Table 7-16. Conducted Spurious Emission Results – NR – Ant2

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