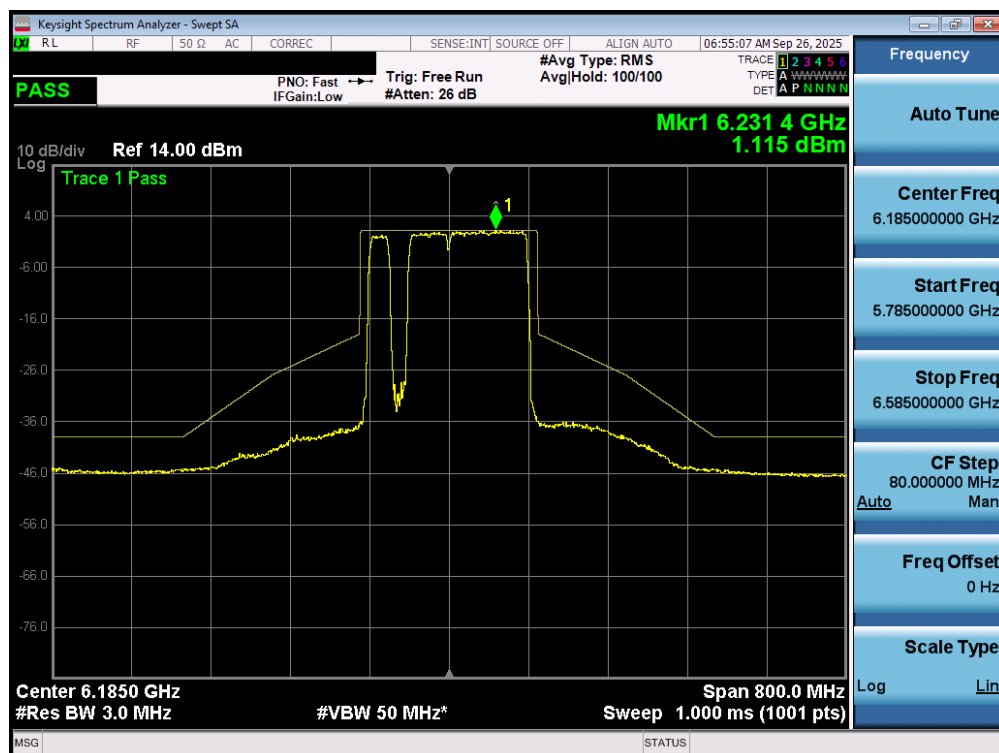
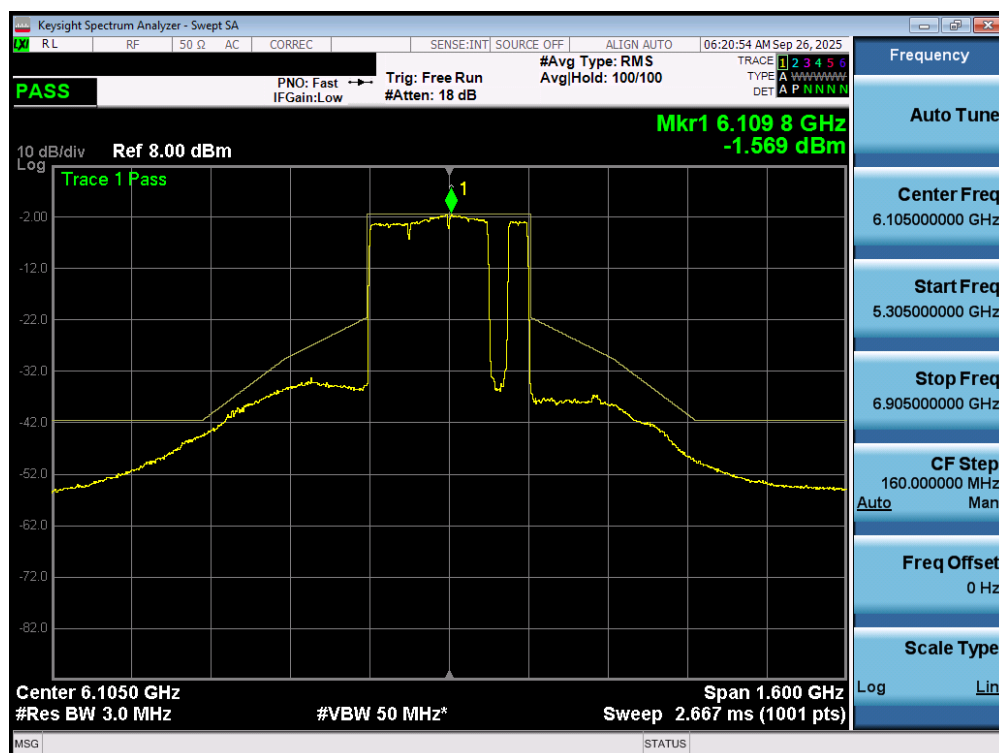




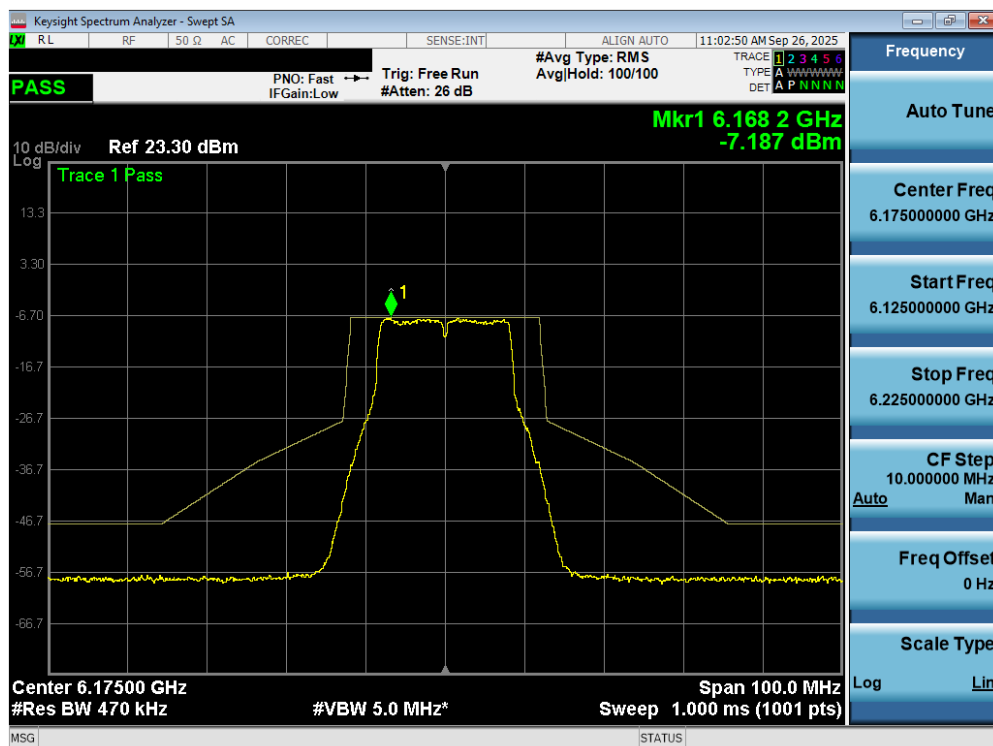
Plot 7-89. In Band Emissions Plot MIMO ANT1 (160MHz 802.11be (UNII Band 5) – Ch. 47) – 20MHz Punctured - SP



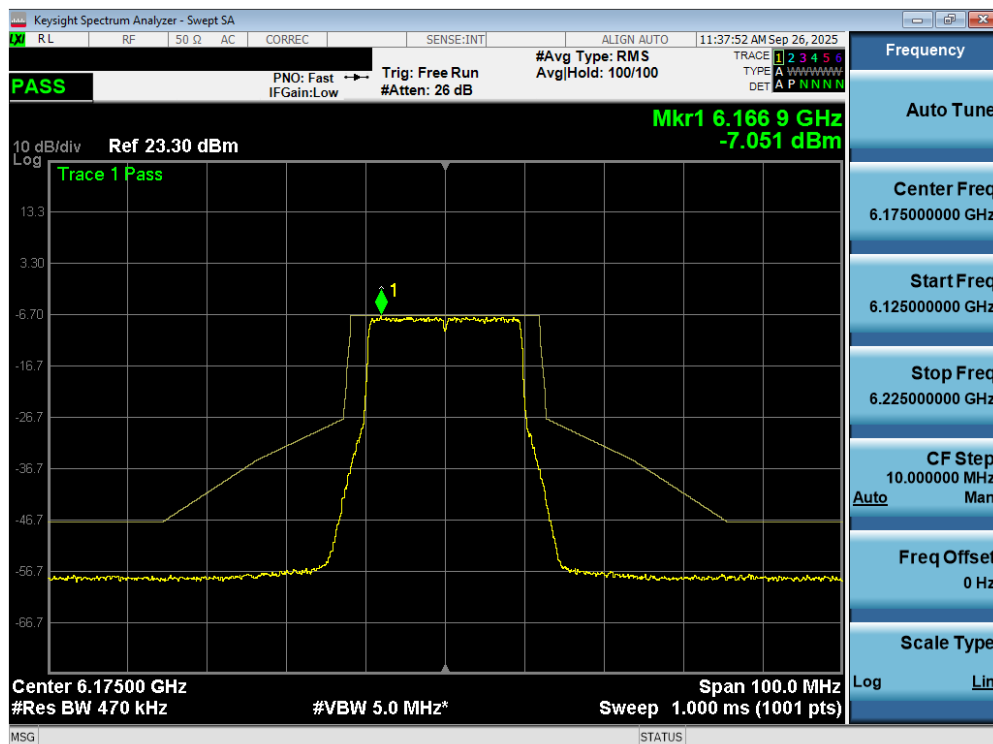
Plot 7-90. In Band Emissions Plot MIMO ANT1 (320MHz 802.11be (UNII Band 5) – Ch. 31) – 40MHz Punctured – SP

FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-18-R1.A3L	Test Dates: 9/2/25 - 12/30/25	EUT Type: Portable Handset	Page 92 of 152

7.5.2 MIMO Antenna-2 In-Band Emission Plot Measurement - (UNII Band 5)

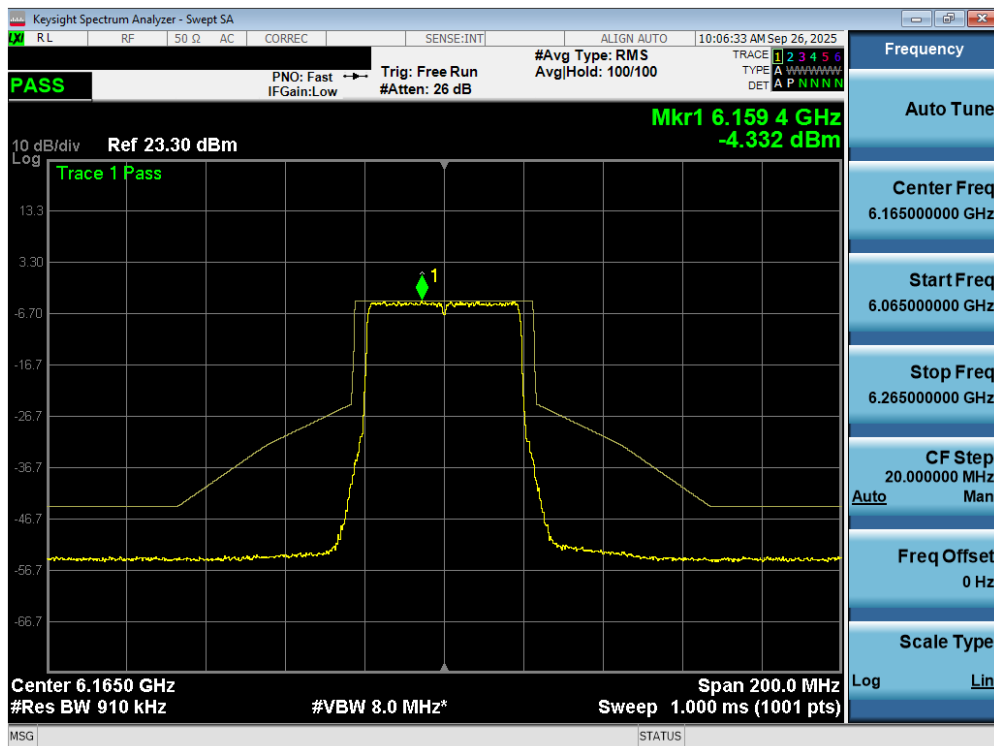


Plot 7-91. In Band Emissions Plot MIMO ANT2 (20MHz 802.11a (UNII Band 5) – Ch. 45) - LPI

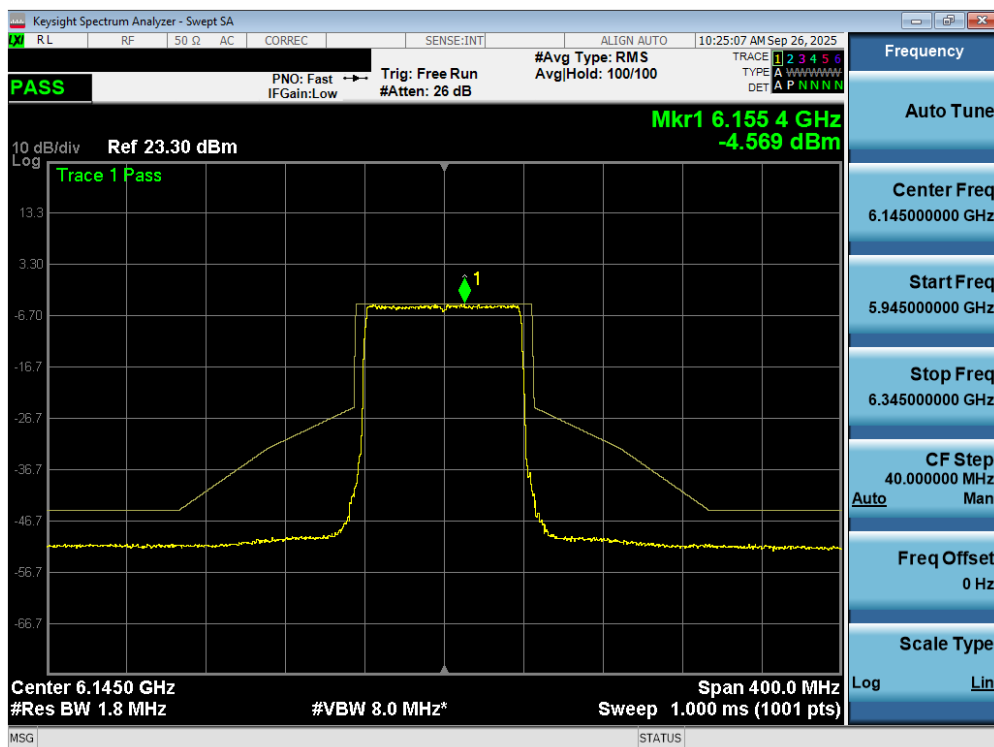


Plot 7-92. In Band Emissions Plot MIMO ANT2 (20MHz 802.11ax/be (UNII Band 5) – Ch. 45) - LPI

FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-18-R1.A3L	Test Dates: 9/2/25 - 12/30/25	EUT Type: Portable Handset	Page 93 of 152

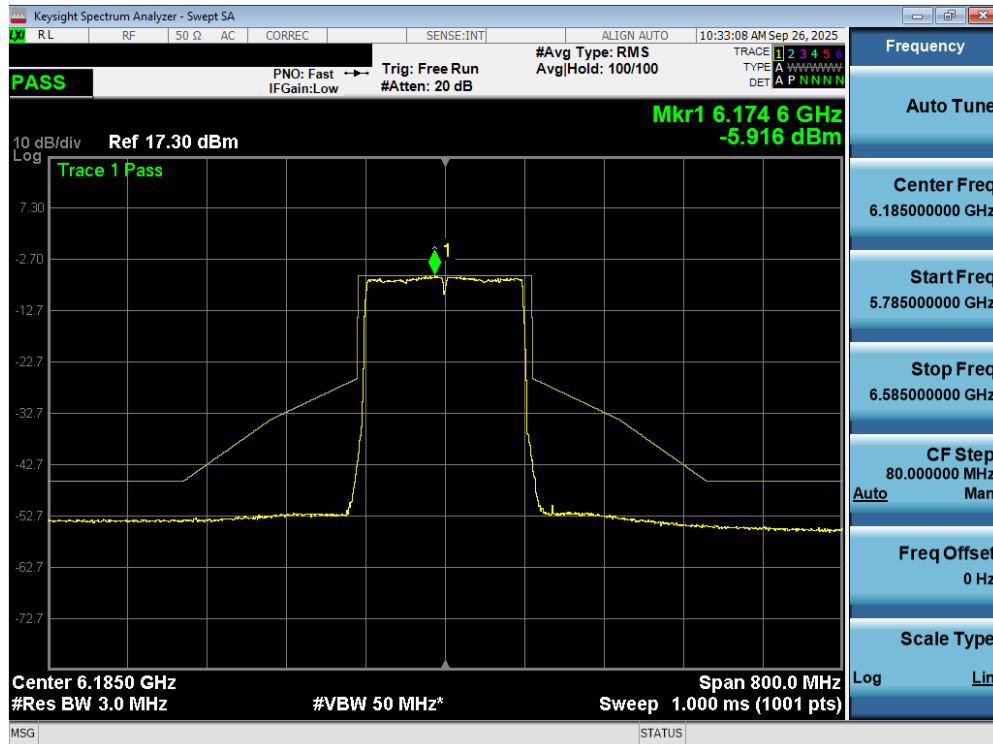


Plot 7-93. In Band Emissions Plot MIMO ANT2 (40MHz 802.11ax/be (UNII Band 5) – Ch. 43) - LPI

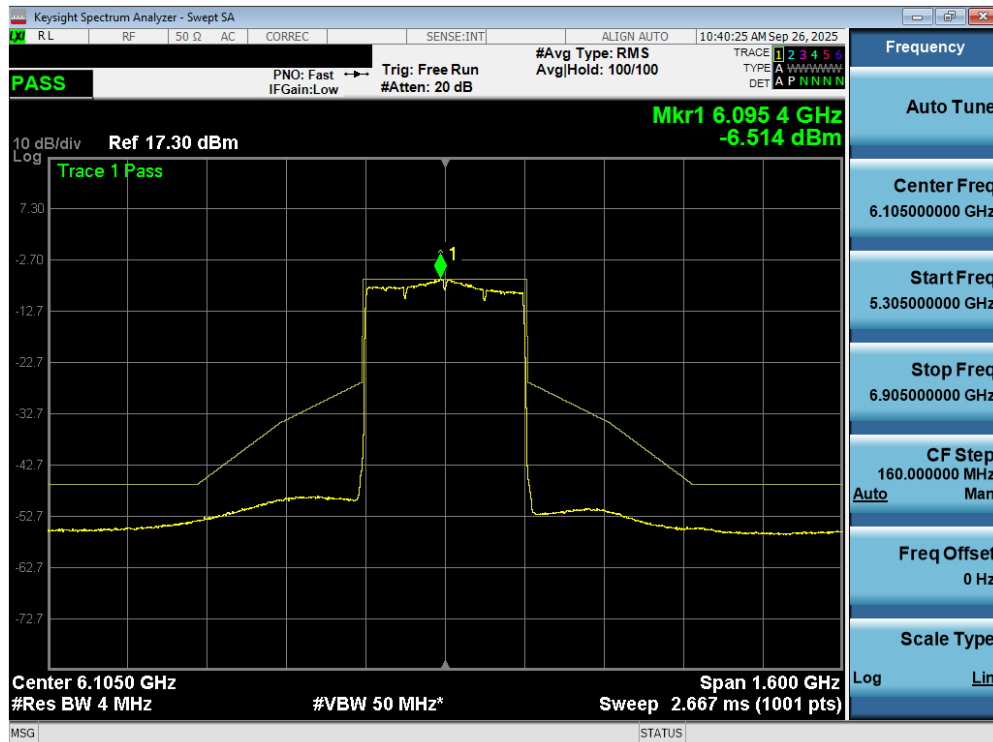


Plot 7-94. In Band Emissions Plot MIMO ANT2 (80MHz 802.11ax/be (UNII Band 5) – Ch. 39) – LPI

FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-18-R1.A3L	Test Dates: 9/2/25 - 12/30/25	EUT Type: Portable Handset	Page 94 of 152

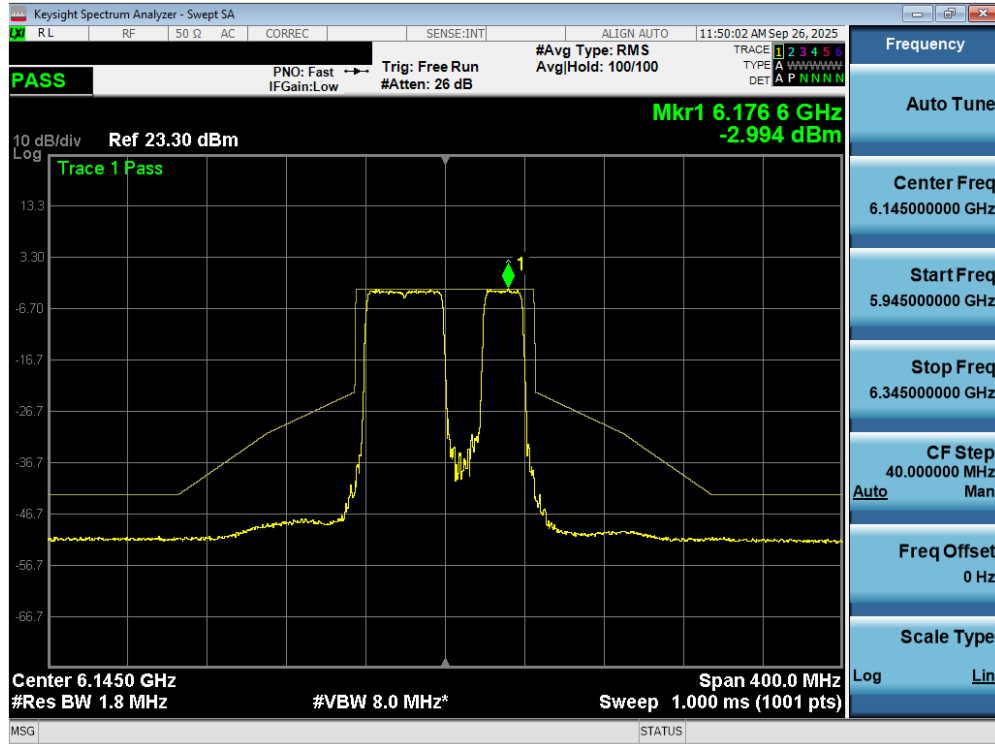


Plot 7-95. In Band Emissions Plot MIMO ANT2 (160MHz 802.11ax/be (UNII Band 5) – Ch. 47) - LPI

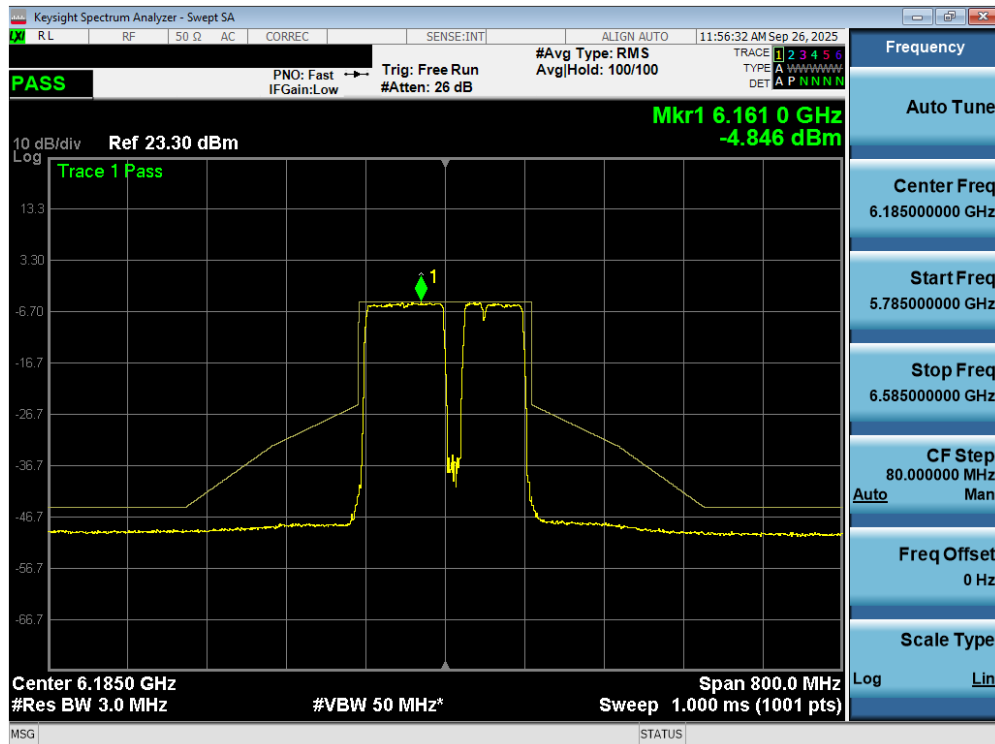


Plot 7-96. In Band Emissions Plot MIMO ANT2 (320MHz 802.11be (UNII Band 5) – Ch. 31) - LPI

FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-18-R1.A3L	Test Dates: 9/2/25 - 12/30/25	EUT Type: Portable Handset	Page 95 of 152

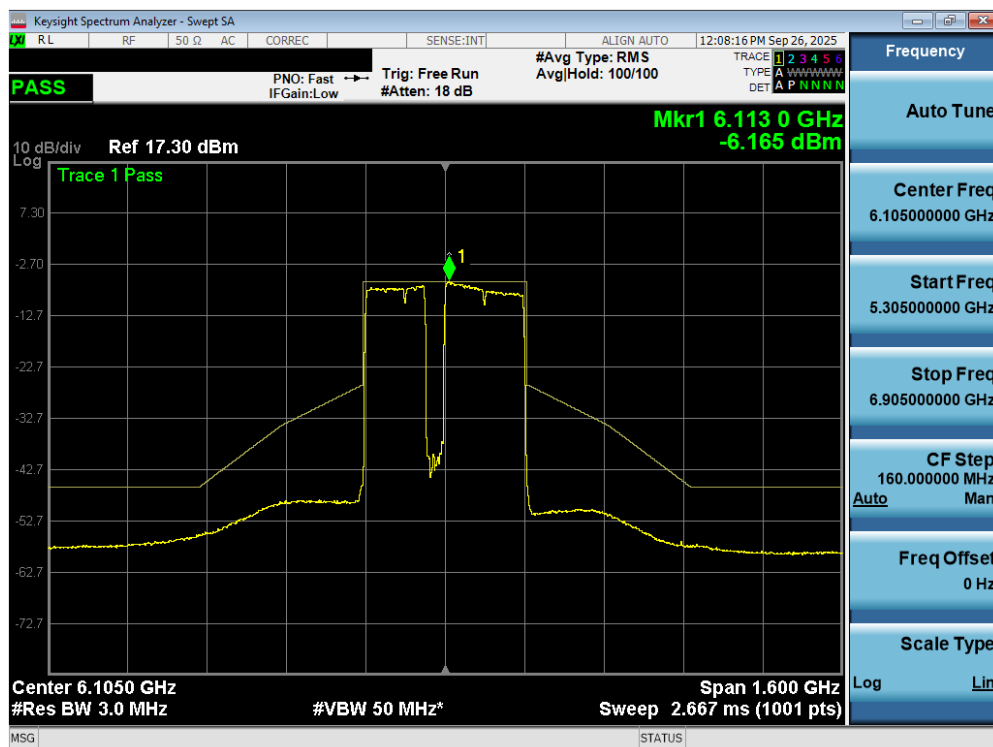


Plot 7-97. In Band Emissions Plot MIMO ANT2 (80MHz 802.11be (UNII Band 5) – Ch. 39) – 20MHz Punctured - LPI

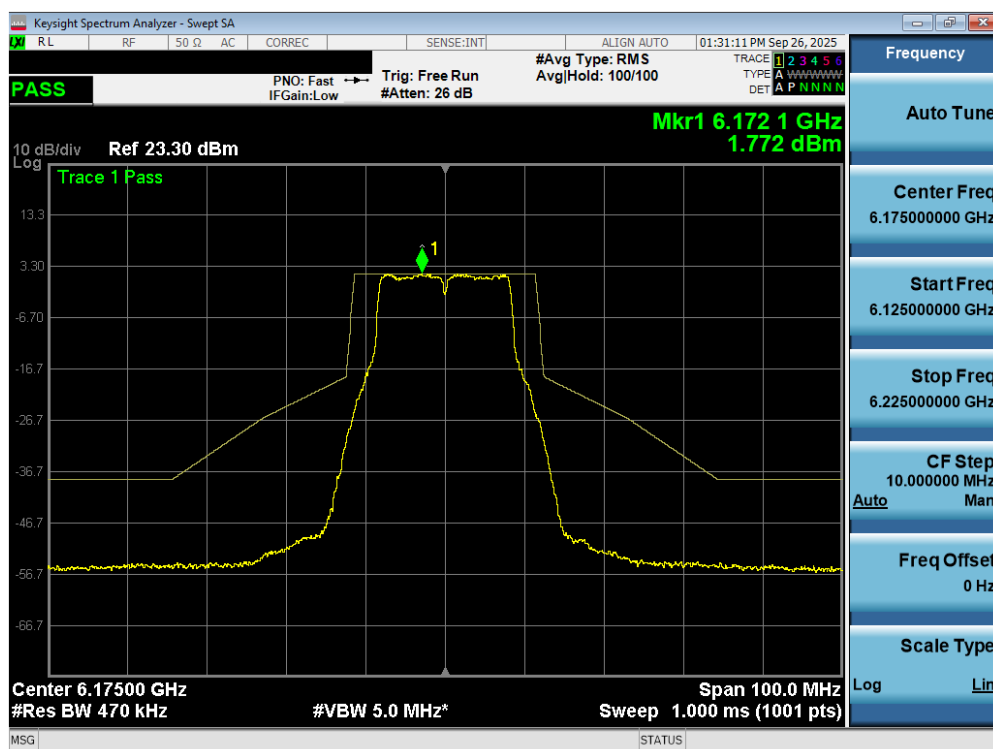


Plot 7-98. In Band Emissions Plot MIMO ANT2 (160MHz 802.11be (UNII Band 5) – Ch. 47) – 20MHz Punctured - LPI

FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-18-R1.A3L	Test Dates: 9/2/25 - 12/30/25	EUT Type: Portable Handset	Page 96 of 152

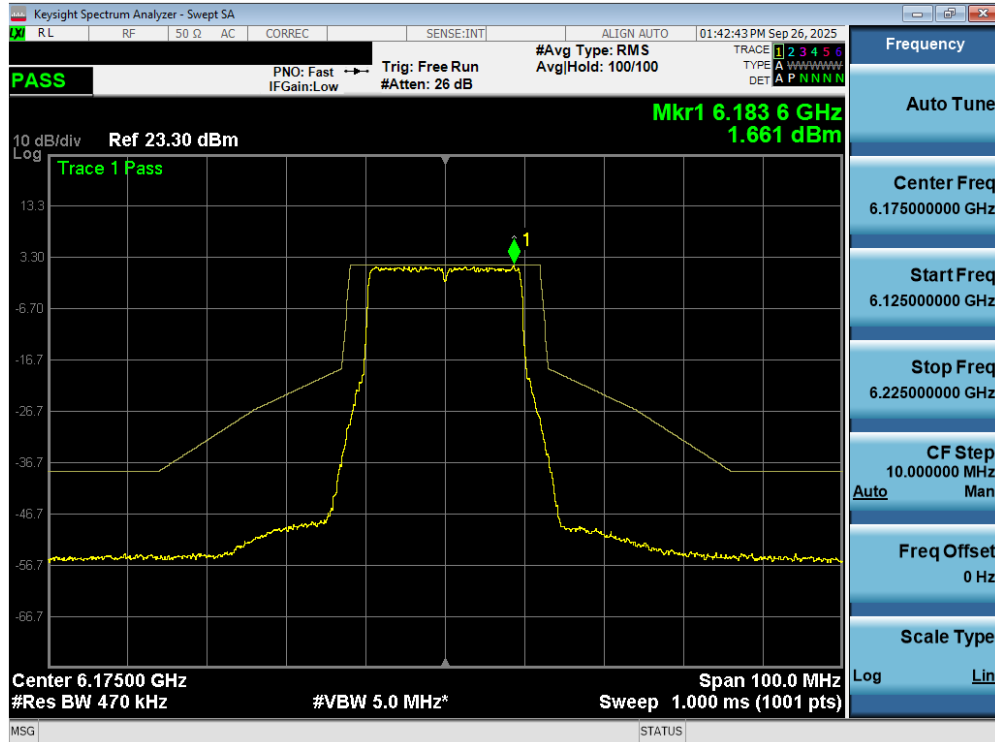


Plot 7-99. In Band Emissions Plot MIMO ANT2 (320MHz 802.11be (UNII Band 5) – Ch. 31) – 40MHz Punctured – LPI

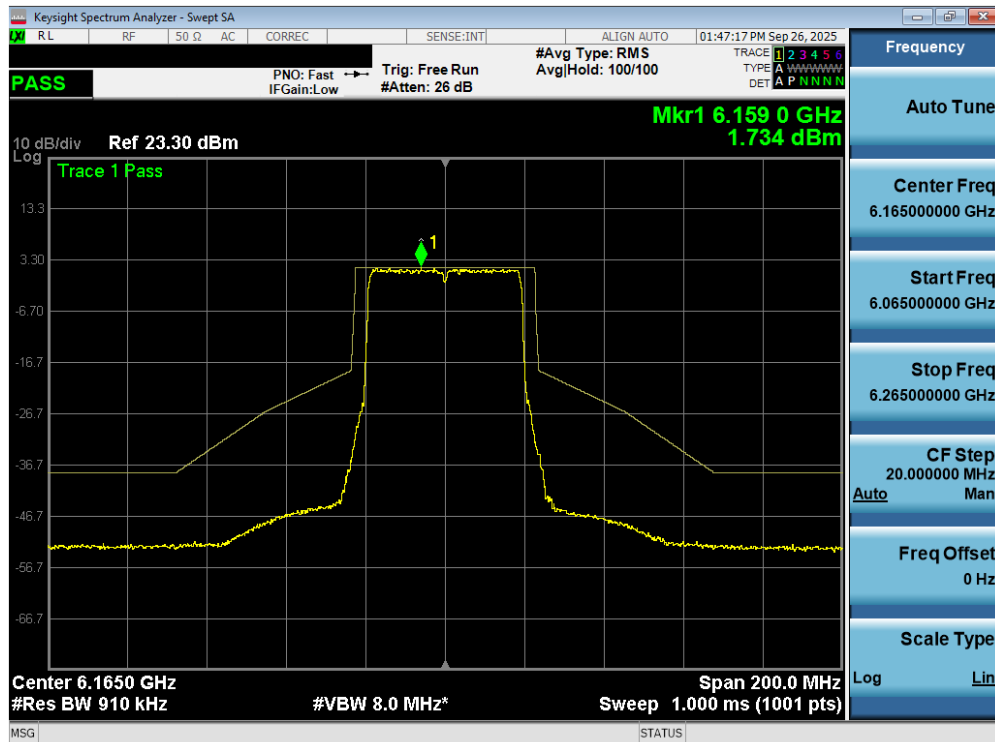


Plot 7-100. In Band Emissions Plot MIMO ANT2 (20MHz 802.11a (UNII Band 5) – Ch. 45) – SP

FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-18-R1.A3L	Test Dates: 9/2/25 - 12/30/25	EUT Type: Portable Handset	Page 97 of 152

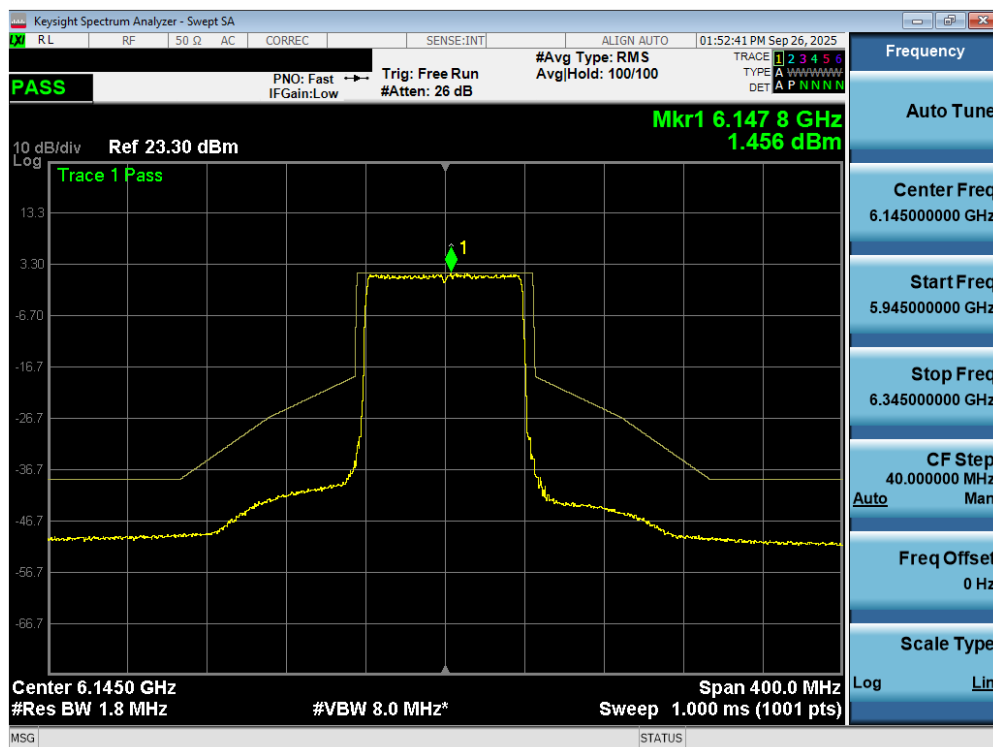


Plot 7-101. In Band Emissions Plot MIMO ANT2 (20MHz 802.11ax/be (UNII Band 5) – Ch. 45) - SP

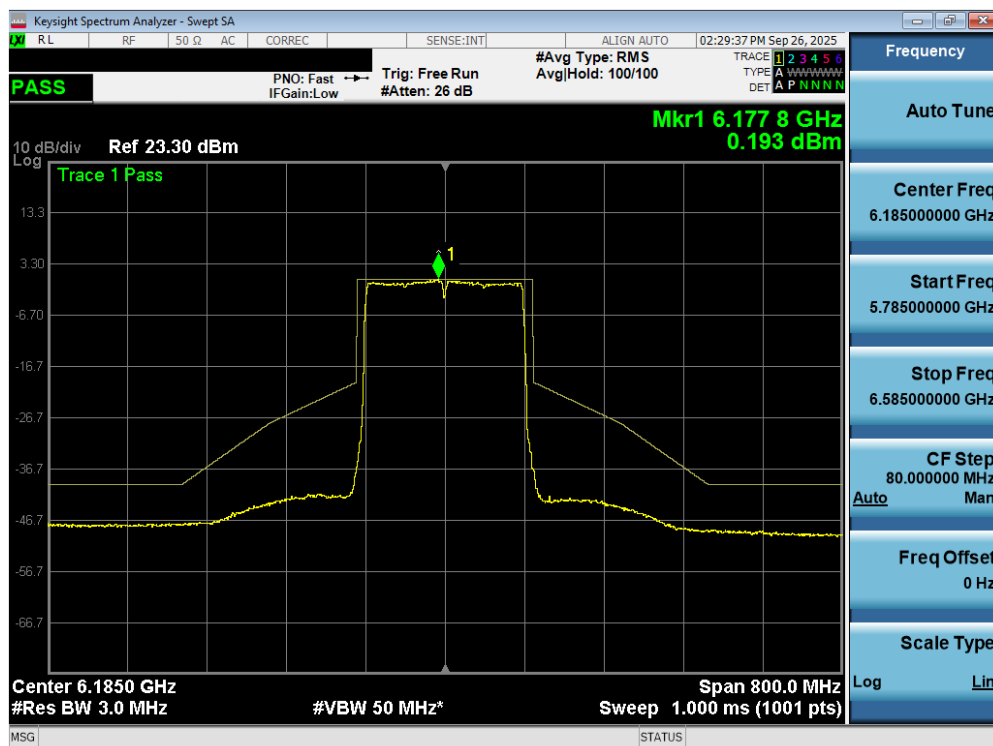


Plot 7-102. In Band Emissions Plot MIMO ANT2 (40MHz 802.11ax/be (UNII Band 5) – Ch. 43) - SP

FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-18-R1.A3L	Test Dates: 9/2/25 - 12/30/25	EUT Type: Portable Handset	Page 98 of 152

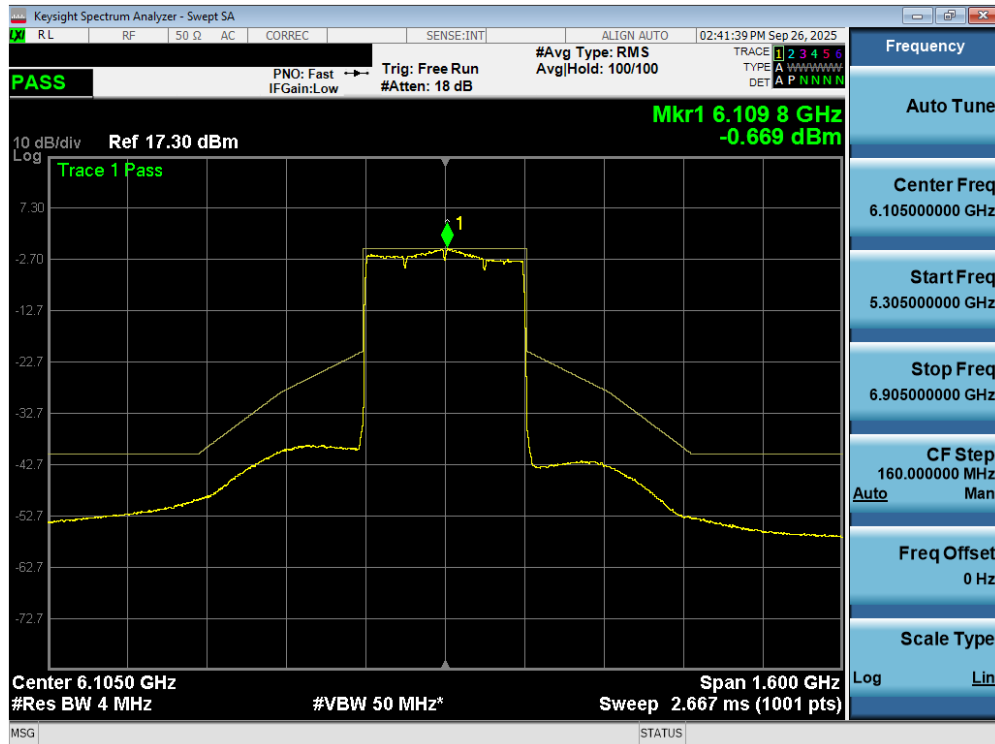


Plot 7-103. In Band Emissions Plot MIMO ANT2 (80MHz 802.11ax/be (UNII Band 5) – Ch. 39) – SP

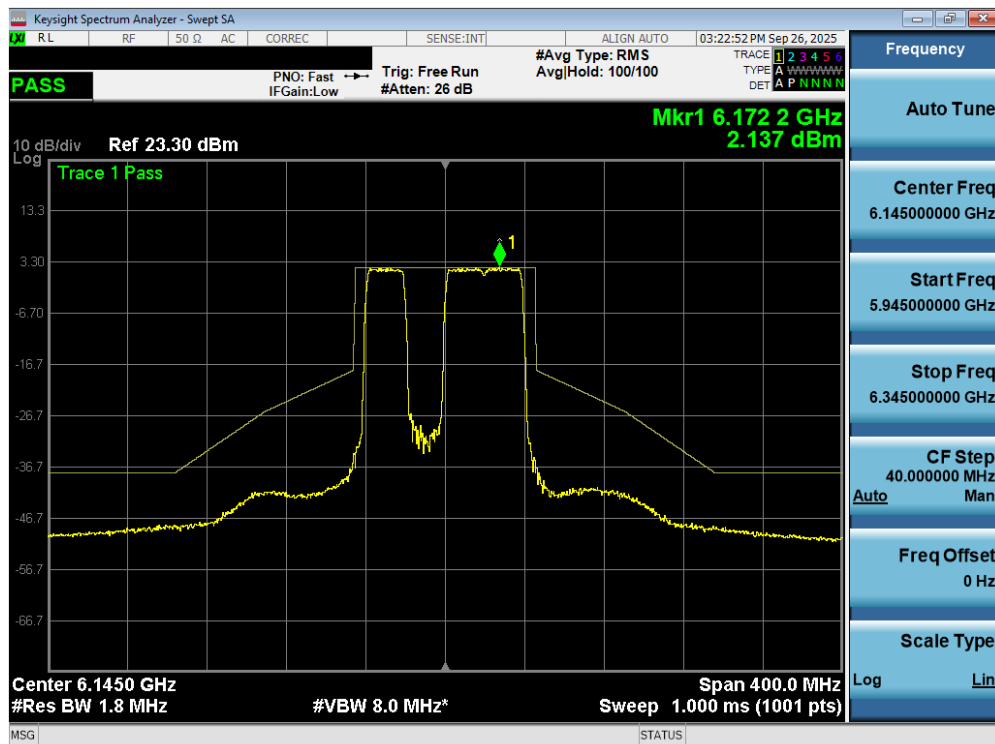


Plot 7-104. In Band Emissions Plot MIMO ANT2 (160MHz 802.11ax/be (UNII Band 5) – Ch. 47) – SP

FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-18-R1.A3L	Test Dates: 9/2/25 - 12/30/25	EUT Type: Portable Handset	Page 99 of 152

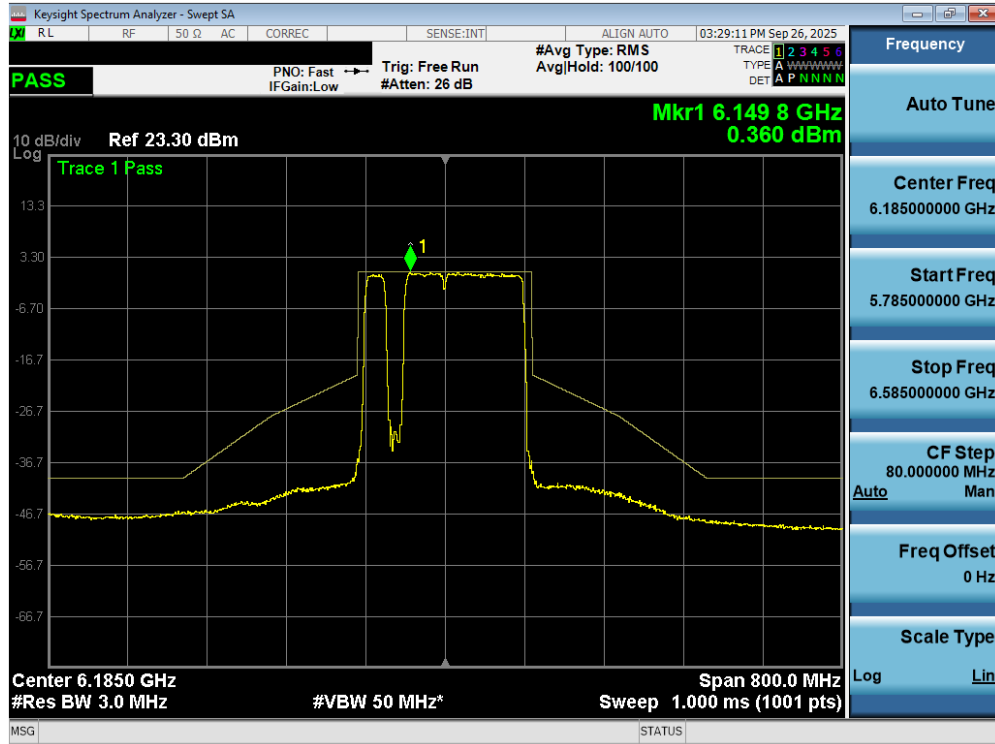


Plot 7-105. In Band Emissions Plot MIMO ANT2 (320MHz 802.11be (UNII Band 5) – Ch. 31) - SP

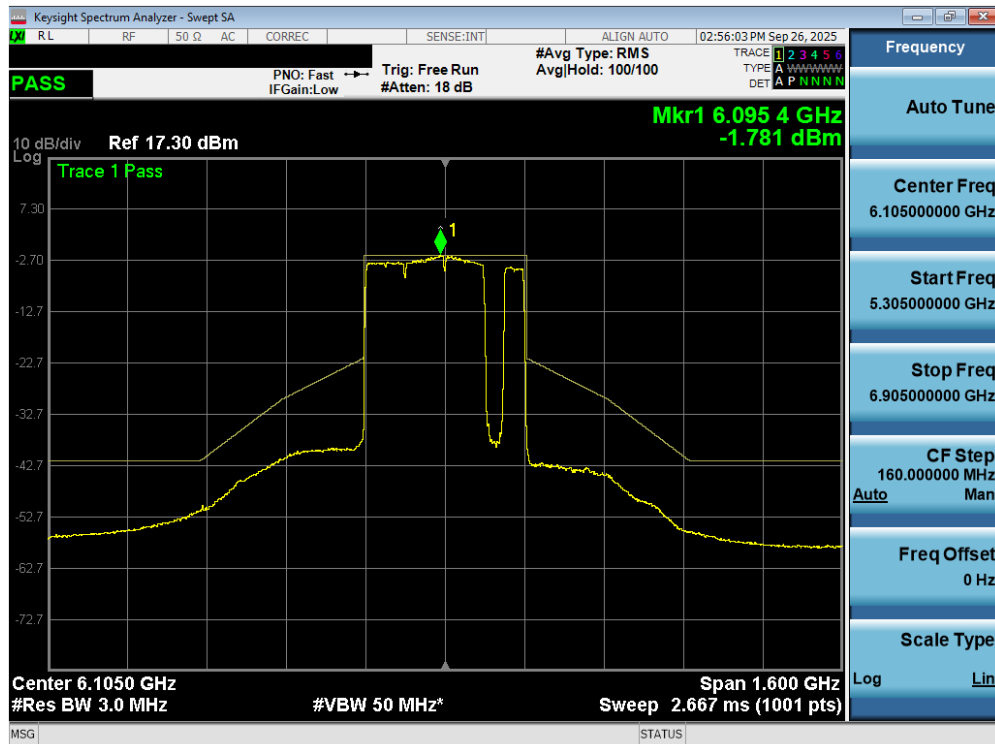


Plot 7-106. In Band Emissions Plot MIMO ANT2 (80MHz 802.11be (UNII Band 5) – Ch. 39) – 20MHz Punctured - SP

FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-18-R1.A3L	Test Dates: 9/2/25 - 12/30/25	EUT Type: Portable Handset	Page 100 of 152



Plot 7-107. In Band Emissions Plot MIMO ANT2 (160MHz 802.11be (UNII Band 5) – Ch. 47) – 20MHz Punctured - SP



Plot 7-108. In Band Emissions Plot MIMO ANT2 (320MHz 802.11be (UNII Band 5) – Ch. 31) – 40MHz Punctured – SP

FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-18-R1.A3L	Test Dates: 9/2/25 - 12/30/25	EUT Type: Portable Handset	Page 101 of 152

7.6 Contention Based Protocol

Test Overview and Limit

Indoor access points, subordinate devices and client devices operating in the 5.925-7.125 GHz band (herein referred to as unlicensed devices) are required to use technologies that include a contention-based protocol to avoid co-channel interference with incumbent devices sharing the band. To ensure incumbent co-channel operations are detected in a technology-agnostic manner, unlicensed devices are required to detect co-channel radio frequency energy (energy detect) and avoid simultaneous transmission.

Unlicensed indoor low-power devices must detect co-channel radio frequency power that is at least -62 dBm or lower. Upon detection of energy in the band, unlicensed low power indoor devices must vacate the channel and stay off the channel if detected radio frequency power is equal to or greater than the threshold (-62 dBm). The -62 dBm (or lower) threshold is referenced to a 0 dBi antenna gain.

To ensure incumbent operations are reliably detected in the band, low power indoor devices must detect RF energy throughout their intended operating channel.

Test Procedure Used

KDB 987594 D02 v03

Test Settings

1. Configure the EUT to transmit with a constant duty cycle.
2. Set the operating parameters of the EUT including power level, operating frequency, modulation, and bandwidth.
3. Set the signal analyzer center frequency to the nominal EUT channel center frequency. The span range of the signal analyzer shall be between two times and five times the OBW of the EUT. Connect the output port of the EUT to the signal analyzer 2. Ensure that the attenuator 2 provides enough attenuation to not overload the signal analyzer 2 receiver.
4. Monitoring the signal analyzer 2, verify the EUT is operating and transmitting with the parameters set at step two.
5. Using an AWGN signal source, generate (but do not transmit, i.e., RF OFF) a 10 MHz-wide AWGN signal. Use Table 1 to determine the center frequency of the 10 MHz AWGN signal relative to the EUT's channel bandwidth and center frequency.
6. Set the AWGN signal power to an extremely low level (more than 20 dB below the -62 dBm threshold). Connect the AWGN signal source, via a 3-dB splitter, to the signal analyzer 1 and the EUT as shown in Figure 2.
7. Transmit the AWGN signal (RF ON) and verify its characteristics on the signal analyzer 1.
8. Monitor the signal analyzer 2 to verify if the AWGN signal has been detected and the EUT has ceased transmission. If the EUT continues to transmit, then incrementally increase the AWGN signal power level until the EUT stops transmitting.
9. (Including all losses in the RF paths) Determine and record the AWGN signal power level (at the EUT's antenna port) at which the EUT ceased transmission. Repeat the procedure at least 10 times to verify the EUT can detect an AWGN signal with 90% (or better) level of certainty.
10. Refer to Table 1 of KDB 987594 D02 v03 to determine the number of times the detection threshold testing needs to be repeated. If testing is required more than once, then go back to step 5, choose a different center frequency for the AWGN signal, and repeat the process.

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Test Setup

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

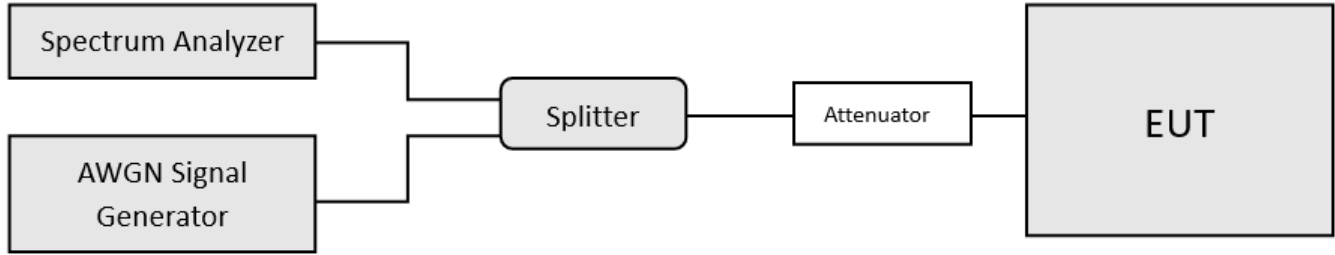


Figure 7-5. Contention-based protocol test setup conducted method.

Test Notes

1. Per guidance from KDB 987594 D02 v03, contention-based protocol was tested using an AWGN signal with a bandwidth of 10MHz as shown in this section. The amplitude of the signal was increased until detected by the EUT, signaled by the ceasing of transmission, M1 indicates the point at which the AWGN signal is introduced. D1 indicates where the AWGN signal is terminated, at least 10 seconds following M1.
2. 15 trials were run to ensure that at least 90% of certainty was met.
3. Per Guidance from KDB 987594 D04 v03, contention-based protocol was tested with receiver with the lowest antenna gain.
4. All CBP Timing Plots shown are for the ceased condition.
5. A Rohde & Schwarz CMX500 base station simulator was used as a WiFi AP for this test.

$$\text{Detection Level} = \text{Injected AWGN Power (dBm)} - \text{Antenna Gain (dBi)} + \text{Path Loss (dB)}$$

Equation 7-1. Detection Level Calculation

Band	Channel	Channel Freq [MHz]	Channel BW [MHz]	Incumbent Freq [MHz]	Injected (AWGN) [dBm]	Antenna Gain [dBi]	Path Loss (dB)	Adjusted Power Level [dBm]	Detection Limit [dBm]	Margin [dB]
UNII Band 5	53	6215	20	6215	-74.09	-6.52	0.71	-66.86	-62.0	-4.86
				6110	-74.10	-6.52	0.71	-66.87	-62.0	-4.87
	63	6265	320	6265	-69.98	-6.52	0.71	-62.75	-62.0	-0.75
				6420	-72.31	-6.52	0.71	-65.08	-62.0	-3.08
UNII Band 6	101	6455	20	6455	-77.02	-6.23	0.66	-70.13	-62.0	-8.13
				6270	-77.16	-6.23	0.66	-70.27	-62.0	-8.27
	95	6425	320	6425	-76.62	-6.23	0.66	-69.73	-62.0	-7.73
				6580	-79.80	-6.23	0.66	-72.91	-62.0	-10.91
UNII Band 7	149	6695	20	6695	-78.92	-6.23	0.66	-72.03	-62.0	-10.03
				6590	-78.56	-6.23	0.66	-71.67	-62.0	-9.67
	159	6745	320	6745	-69.85	-6.23	0.66	-62.96	-62.0	-0.96
				6900	-78.47	-6.23	0.66	-71.58	-62.0	-9.58
UNII Band 8	197	6935	20	6935	-78.46	-5.54	0.76	-72.16	-62.0	-10.16
				6750	-78.23	-5.54	0.76	-71.93	-62.0	-9.93
	191	6905	320	6905	-77.49	-5.54	0.76	-71.19	-62.0	-9.19
				7060	-80.20	-5.54	0.76	-73.90	-62.0	-11.90

Table 7-46. Contention Based Protocol – Incumbent Detection Results

FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
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Band	Channel	Channel Freq [MHz]	Channel BW [MHz]	Incumbent Freq [MHz]	Antenna Gain [dBi]	EUT Transmission Status			Detection Limit [dBm]	Margin [dB]
						Adjusted AWGN Power (dBm)				
						Normal	Minimal	Ceased		
UNII Band 5	53	6215	20	6215	-6.52	-75.60	-70.40	-69.50	-62.0	-7.50
	63	6265	320	6110	-6.52	-77.41	-72.45	-69.51	-62.0	-7.51
				6265	-6.52	-69.18	-67.88	-65.39	-62.0	-3.39
				6420	-6.52	-73.84	-68.15	-67.72	-62.0	-5.72
UNII Band 6	101	6455	20	6455	-6.23	-73.16	-70.89	-70.33	-62.0	-8.33
	95	6425	320	6270	-6.23	-74.14	-72.85	-70.47	-62.0	-8.47
				6425	-6.23	-74.09	-71.00	-69.93	-62.0	-7.93
				6580	-6.23	-77.88	-73.20	-73.11	-62.0	-11.11
UNII Band 7	149	6695	20	6695	-6.23	-80.09	-74.37	-72.75	-62.0	-10.75
	159	6745	320	6590	-6.23	-74.99	-73.08	-72.39	-62.0	-10.39
				6745	-6.23	-68.00	-65.83	-63.68	-62.0	-1.68
				6900	-6.23	-78.09	-73.32	-72.30	-62.0	-10.30
UNII Band 8	197	6935	20	6935	-5.54	-81.48	-75.16	-74.30	-62.0	-12.30
	191	6905	320	6750	-5.54	-78.53	-75.77	-74.07	-62.0	-12.07
				6905	-5.54	-74.22	-73.99	-73.33	-62.0	-11.33
				7060	-5.54	-79.92	-78.56	-76.04	-62.0	-14.04

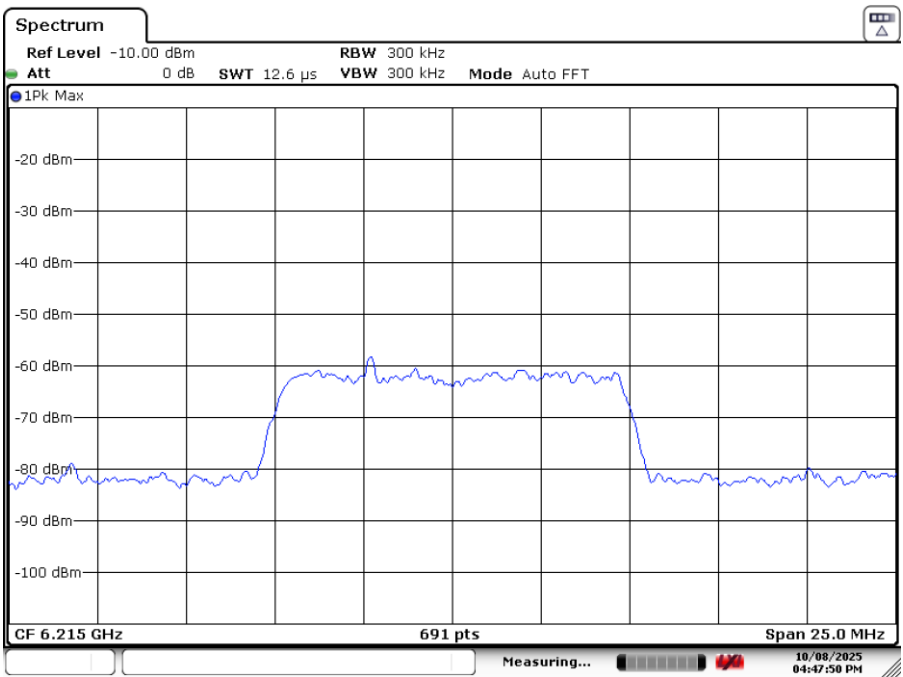
Table 7-47. Contention Based Protocol – Detection Results – All Tx Cases

CBP Detection (1 = Detection, Blank = No Detection)																				
Band	Channel	Channel Freq [MHz]	Channel BW [MHz]	Incumbent Freq [MHz]	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Detection Rate (%)
UNII Band 5	63	6215	20	6215	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100
		6265	320	6110	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100
				6265	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100
				6420	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100
UNII Band 6	95	6455	20	6455	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100
		6425	320	6270	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100
				6425	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100
				6580	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100
UNII Band 7	159	6695	20	6695	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100
		6745	320	6590	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100
				6745	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100
				6900	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100
UNII Band 8	191	6935	20	6935	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100
		6905	320	6750	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100
				6905	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100
				7060	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100

Table 7-48. Contention Based Protocol – Incumbent Detection Trial Results

FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
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7.6.1 AWGN Plots

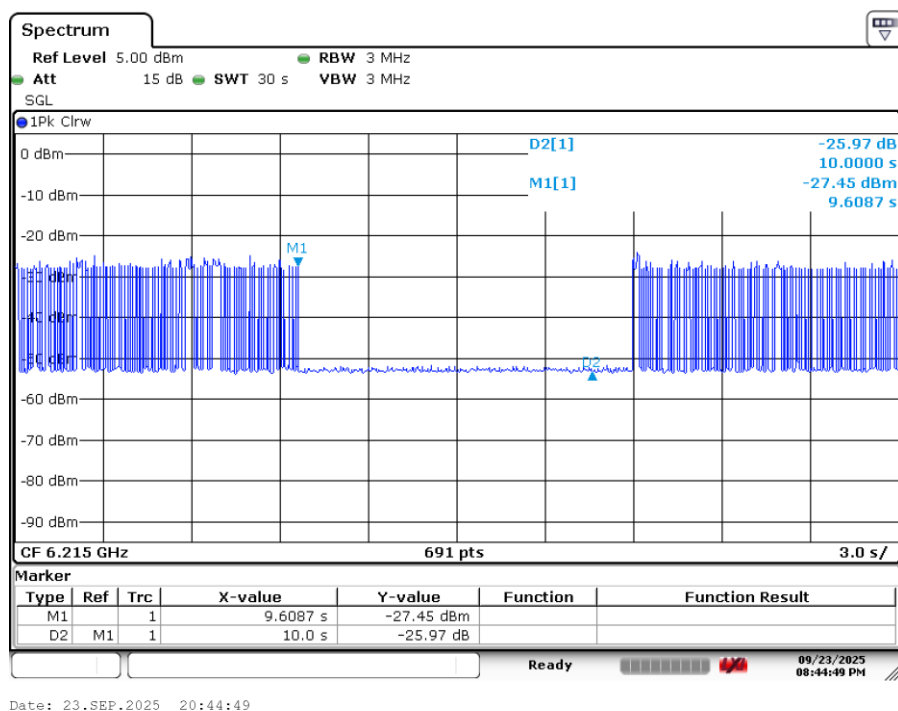


Date: 8.OCT.2025 16:47:50

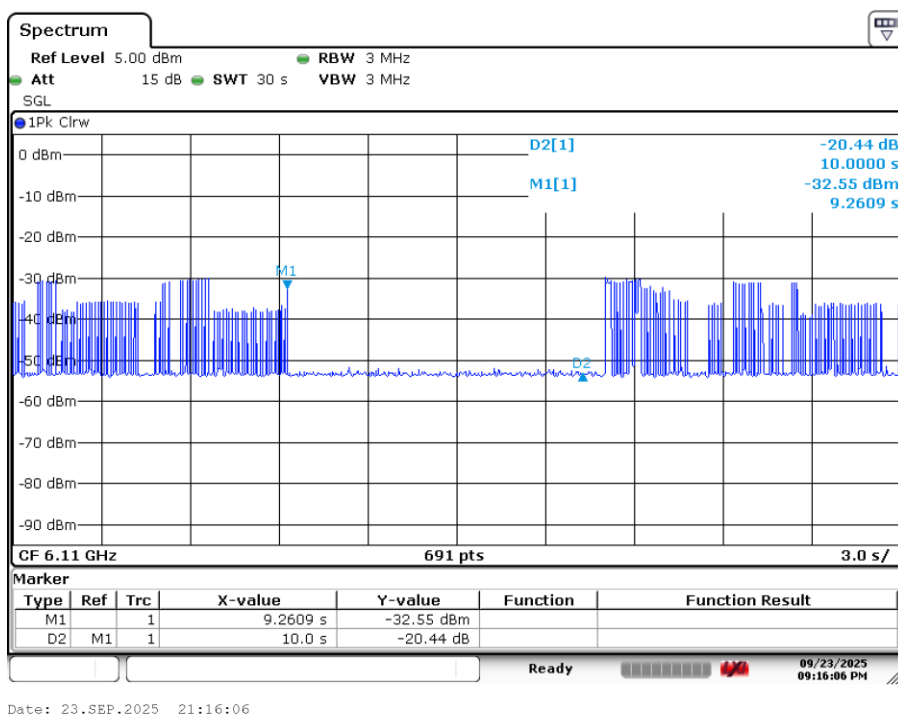
Plot 7-109. AWGN Signal (Demonstration)

FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-18-R1.A3L	Test Dates: 9/2/25 - 12/30/25	EUT Type: Portable Handset	Page 105 of 152

7.6.2 CBP Timing Plots

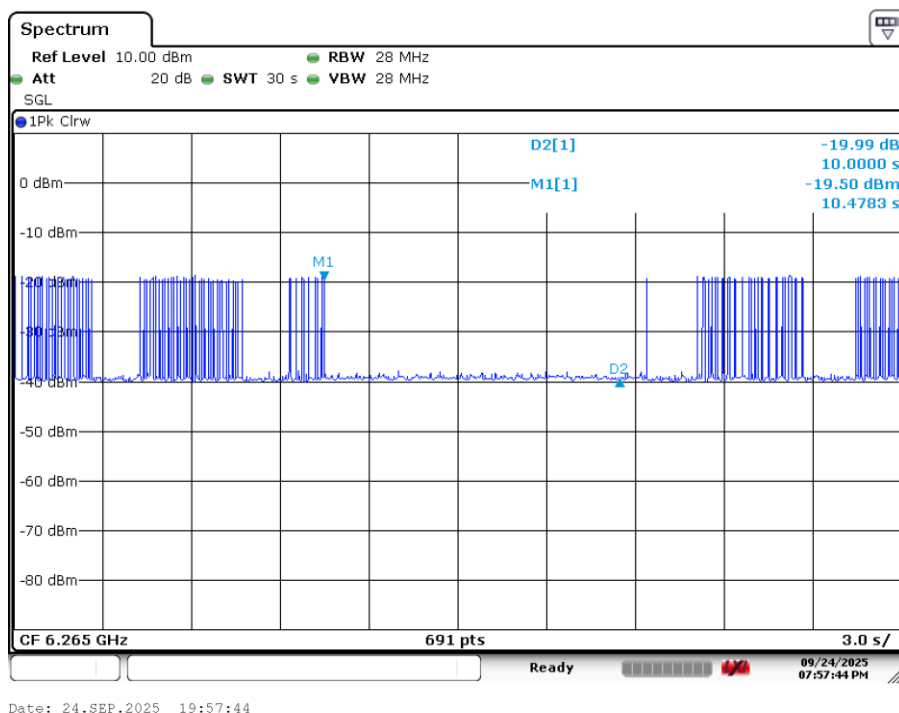


Plot 7-110. Contention Based Protocol Timing Plot (20MHz (UNII Band 5) – Ch. 53)

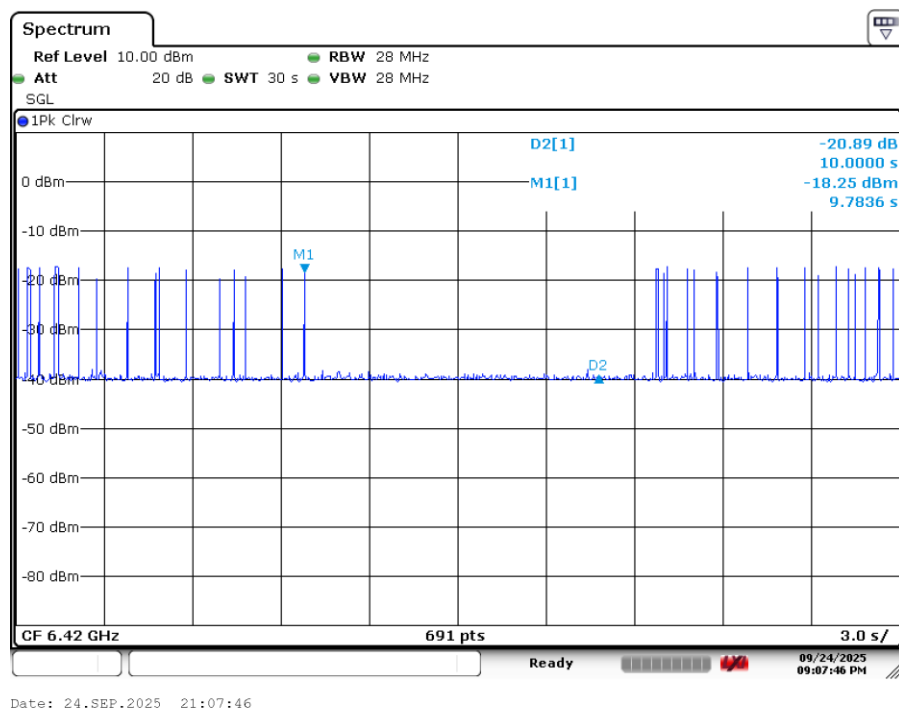


Plot 7-111. Contention Based Protocol Timing Plot (320MHz (UNII Band 5) – Ch. 63 Low)

FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-18-R1.A3L	Test Dates: 9/2/25 - 12/30/25	EUT Type: Portable Handset	Page 106 of 152

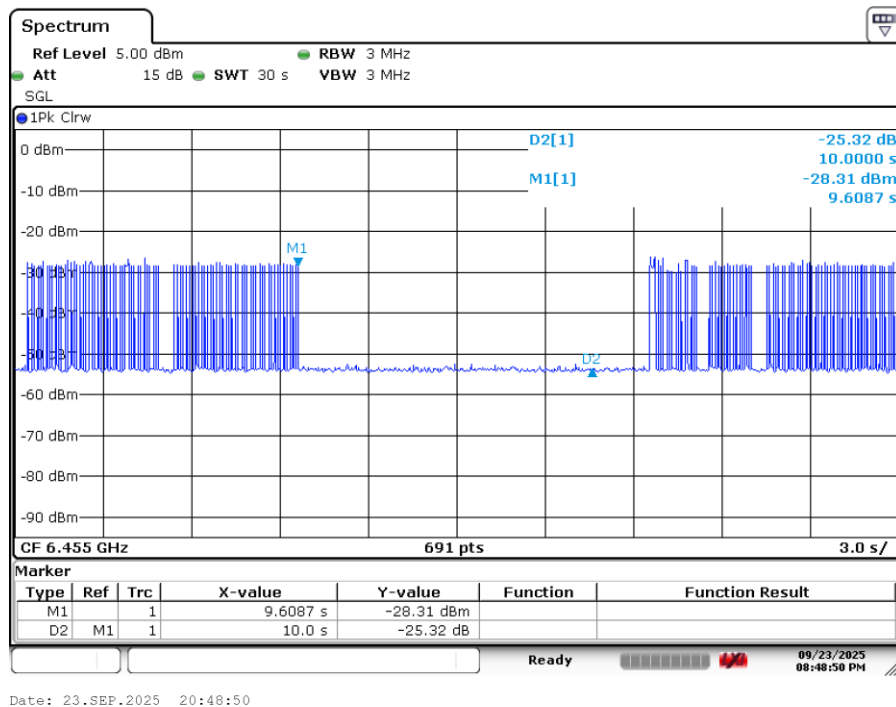


Plot 7-112. Contention Based Protocol Timing Plot (320MHz (UNII Band 5) – Ch. 63 Mid)

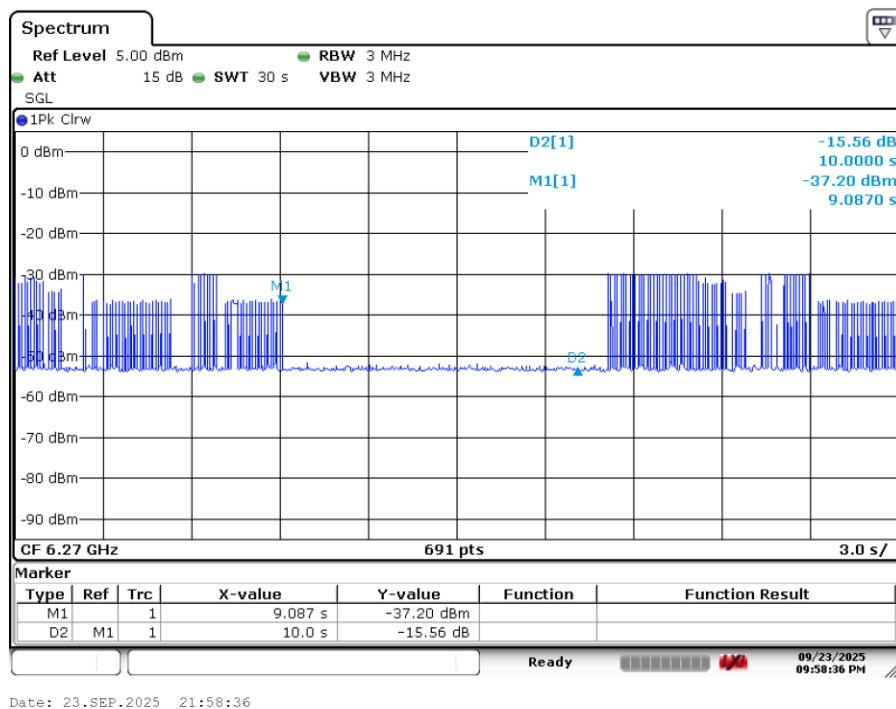


Plot 7-113. Contention Based Protocol Timing Plot (320MHz (UNII Band 5) – Ch. 63 High)

FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-18-R1.A3L	Test Dates: 9/2/25 - 12/30/25	EUT Type: Portable Handset	Page 107 of 152

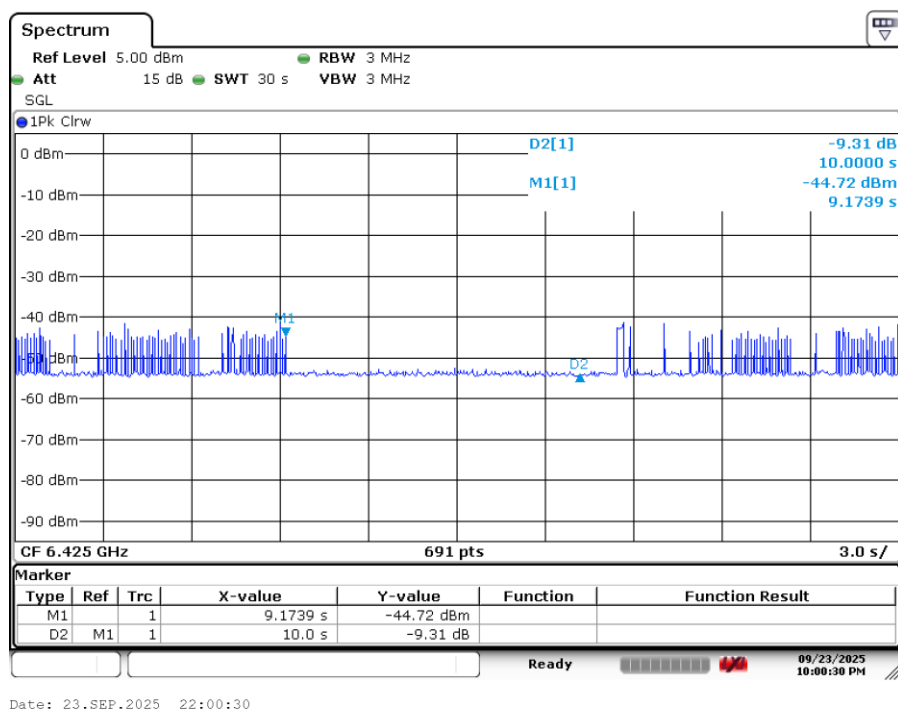


Plot 7-114. Contention Based Protocol Timing Plot (20MHz (UNII Band 6) – Ch. 101)

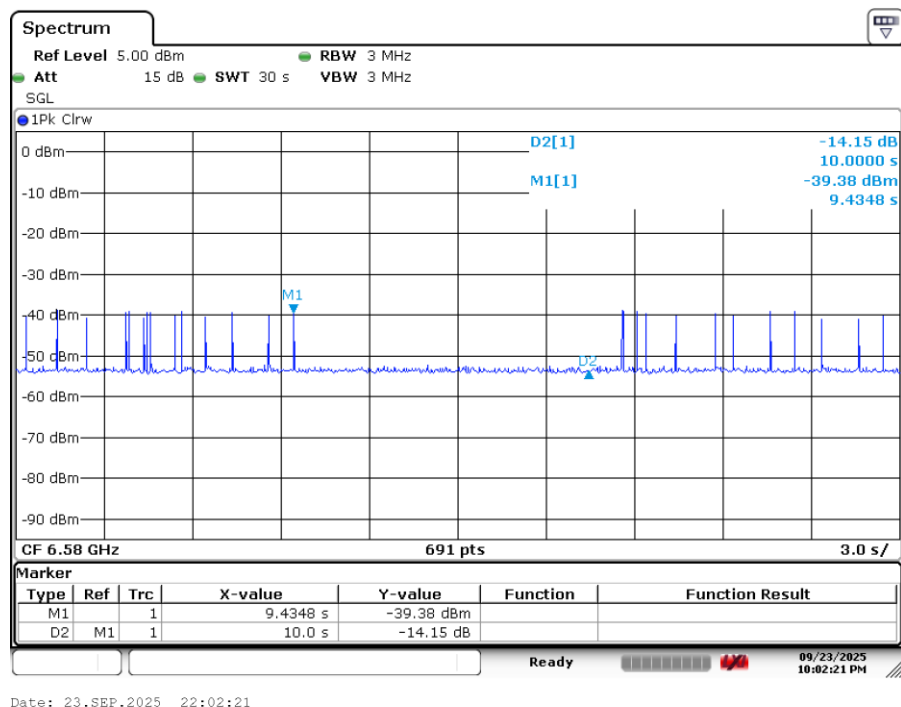


Plot 7-115. Contention Based Protocol Timing Plot (320MHz (UNII Band 6) – Ch. 95 Low)

FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
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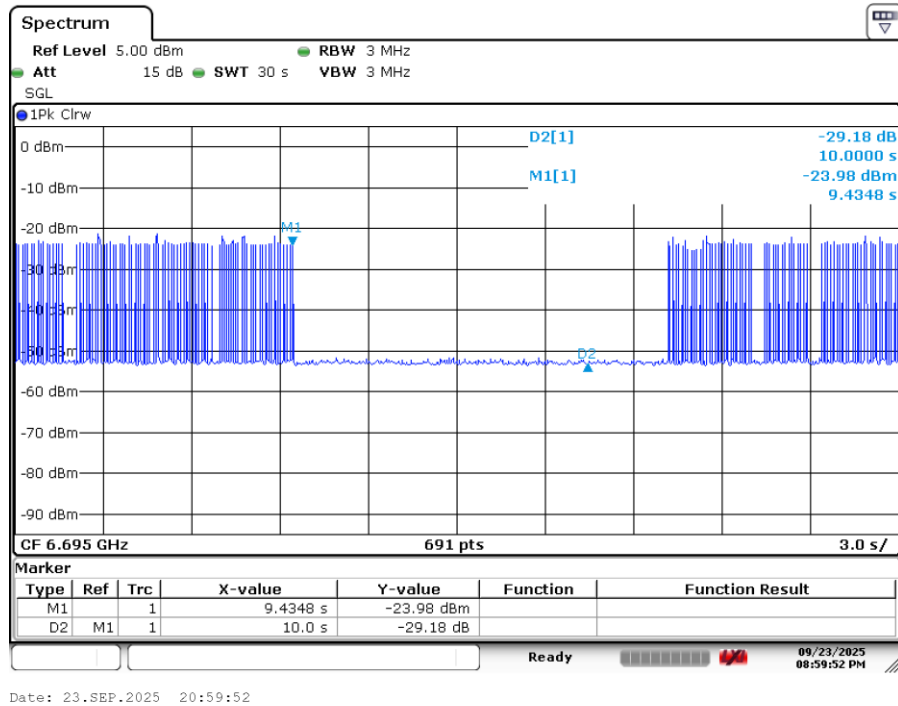


Plot 7-116. Contention Based Protocol Timing Plot (320MHz (UNII Band 6) – Ch. 95 Mid)

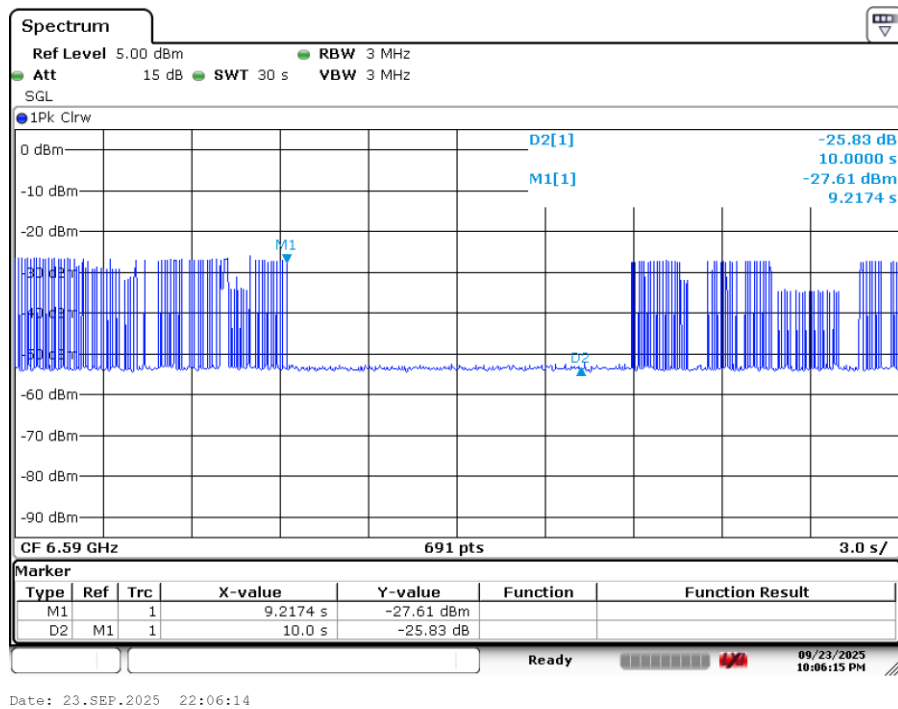


Plot 7-117. Contention Based Protocol Timing Plot (320MHz (UNII Band 6) – Ch. 95 High)

FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
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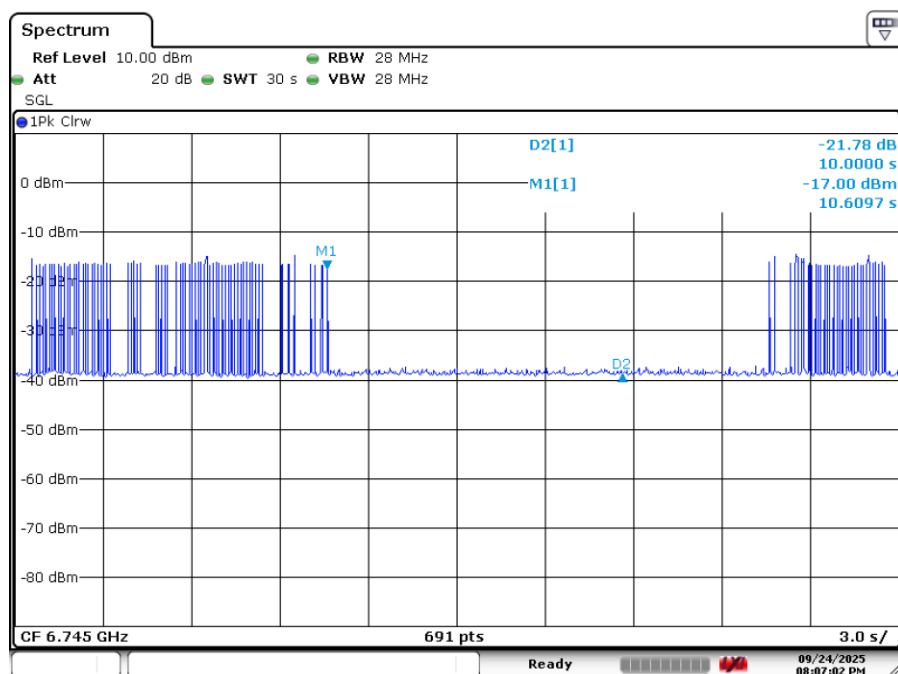


Plot 7-118. Contention Based Protocol Timing Plot (20MHz (UNII Band 7) – Ch. 149)



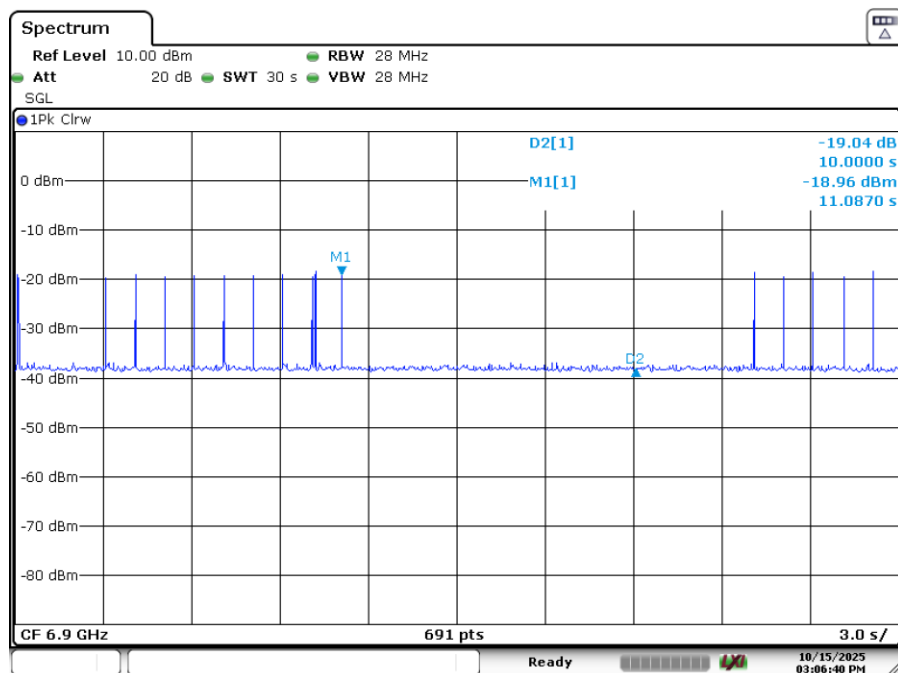
Plot 7-119. Contention Based Protocol Timing Plot (320MHz (UNII Band 7) – Ch. 159 Low)

FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
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Date: 24.SEP.2025 20:07:02

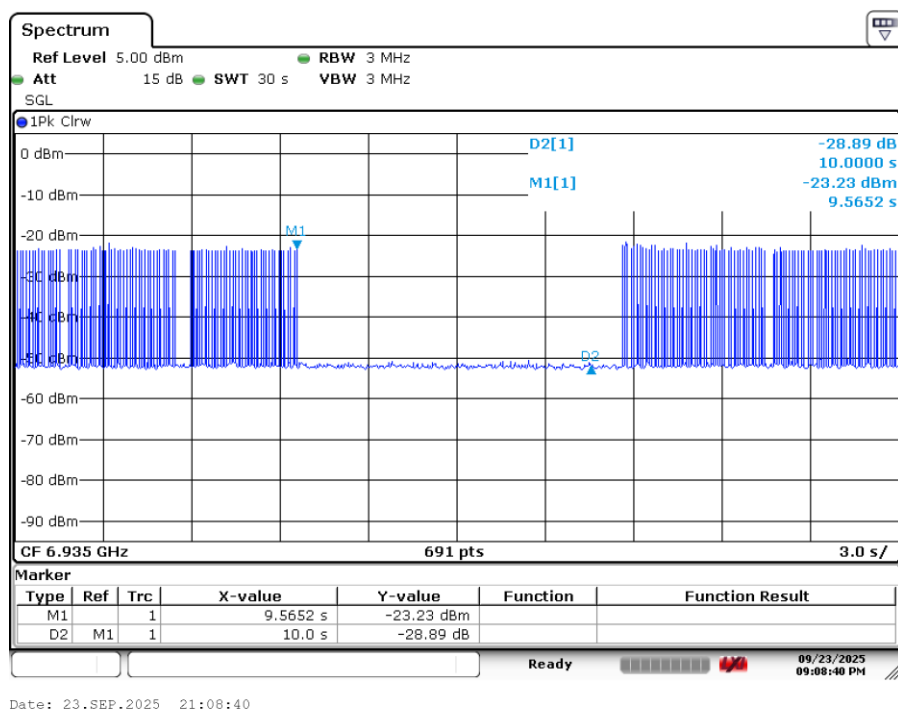
Plot 7-120. Contention Based Protocol Timing Plot (320MHz (UNII Band 7) – Ch. 159 Mid)



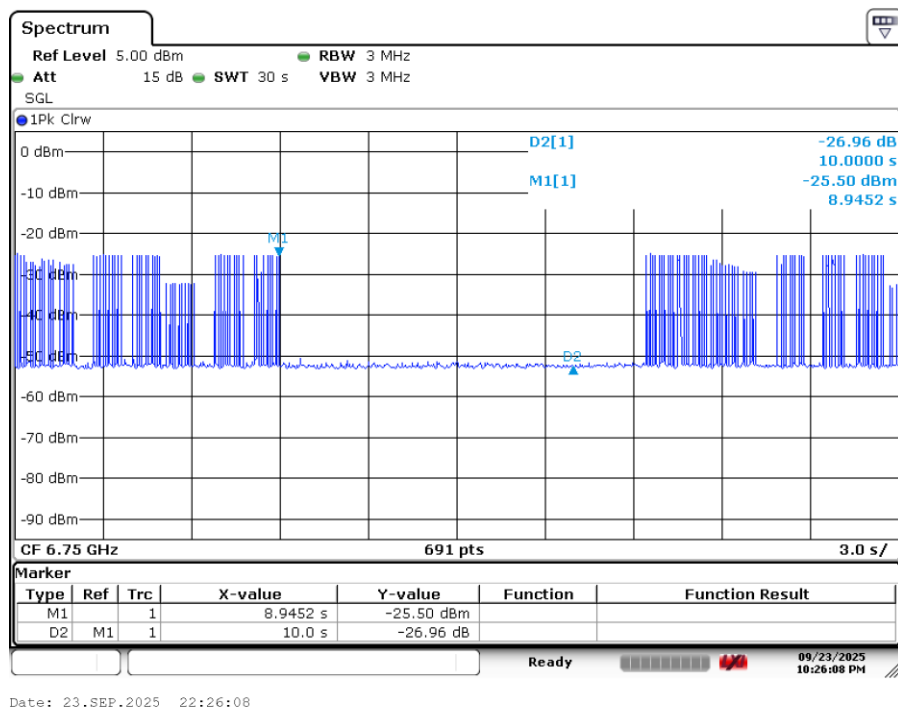
Date: 15.OCT.2025 15:06:40

Plot 7-121. Contention Based Protocol Timing Plot (320MHz (UNII Band 7) – Ch. 159 High)

FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
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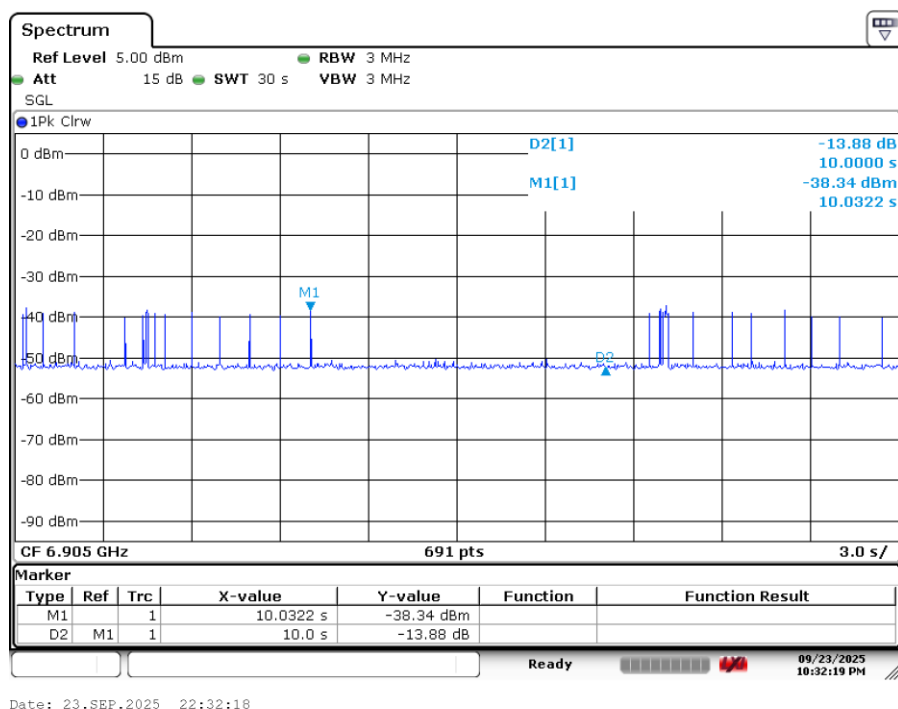


Plot 7-122. Contention Based Protocol Timing Plot (20MHz (UNII Band 8) – Ch. 197)

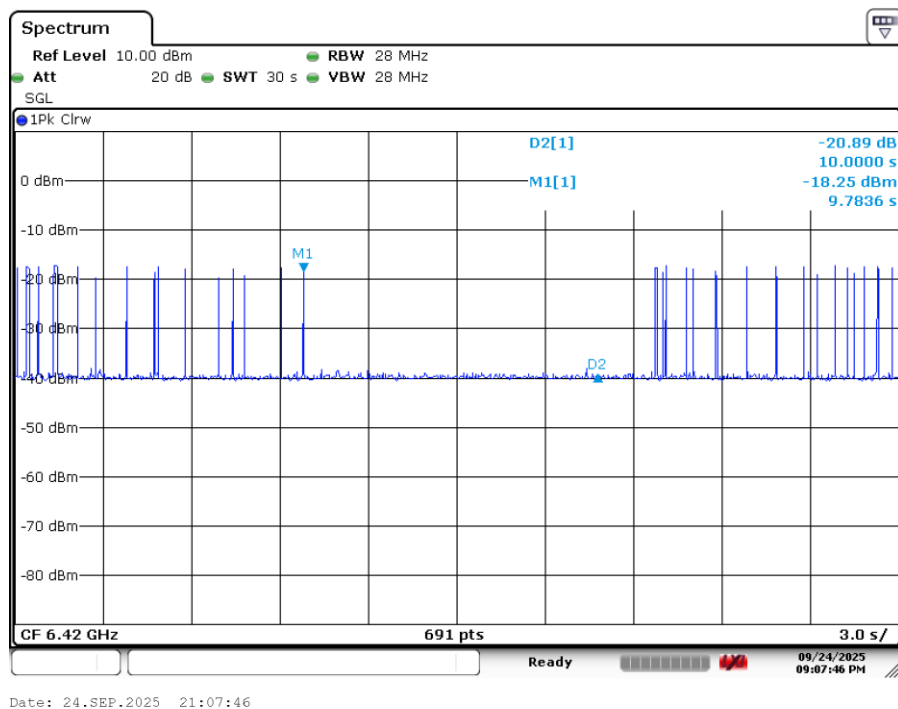


Plot 7-123. Contention Based Protocol Timing Plot (320MHz (UNII Band 8) – Ch. 191 Low)

FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-124. Contention Based Protocol Timing Plot (320MHz (UNII Band 8) – Ch. 191 Mid)



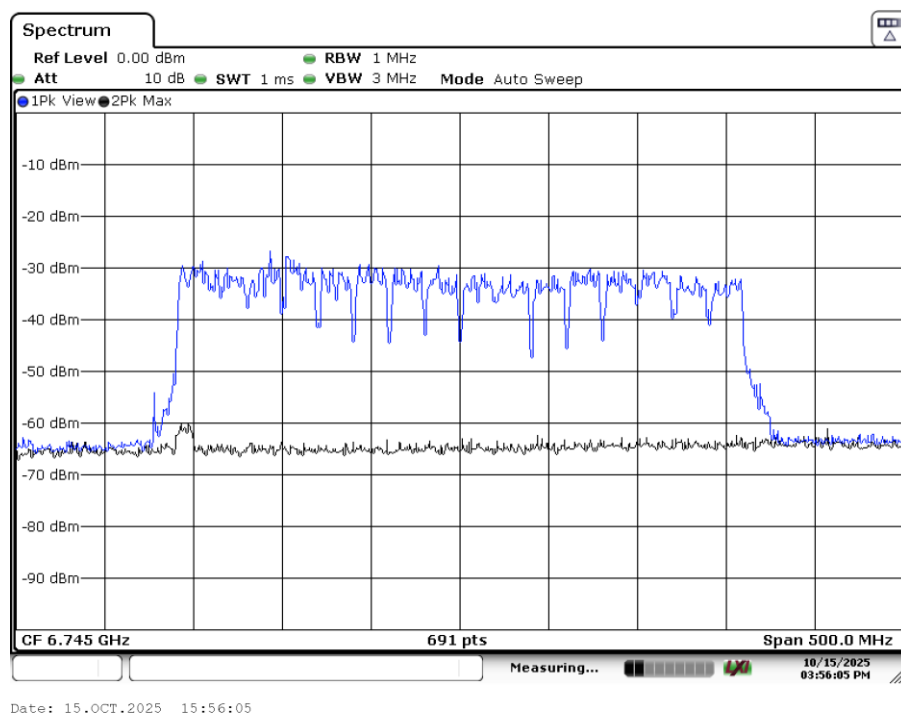
Plot 7-125. Contention Based Protocol Timing Plot (320MHz (UNII Band 8) – Ch. 191 High)

FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-18-R1.A3L	Test Dates: 9/2/25 - 12/30/25	EUT Type: Portable Handset	Page 113 of 152

7.6.3 Channel Move Plots

This section demonstrates the effect of injecting the AWGN signal at various locations throughout the 802.11be 320MHz signal. The blue trace shows the full 320MHz signal prior to AWGN injection while the black trace shows the spectrum following AWGN injection. The following items were observed as demonstrated in the three plots shown below:

- When a 10 MHz AWGN signal centered at 6590 MHz (lower edge of channel) is injected, the channel completely stops transmitting.
- When a 10 MHz AWGN signal centered at 6745 MHz (middle of channel) is injected, the channel reduces to a bandwidth of 80MHz.
- When a 10 MHz AWGN signal centered at 6900 MHz (upper edge of channel) is injected, the channel reduces to a bandwidth of 160MHz.



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7.7 Dual Client Device Additional Requirement (AFC Protocol) 15.407

Test Overview and Limit

Dual Client Device additional requirements (AFC Protocol) are tested per the test procedures listed below. During testing, the EUT is connected to a standard power access point to show compliance with 15.407.

The maximum power limits shall remain at least 6dB below the power levels authorized for the associated standard-power access point.

The EUT must distinguish its associated access point as standard or low power and control its power levels accordingly.

Test Procedure Used

ANSI C63.10.2020 – Section 12.4.3.2 Method PM-G
KDB 987594 D02 v03

Test Setup/Method

The EUT was connected via an RF cable to a power meter and a callbox acting as a 6GHz standard power access point. For LPI measurement, the device is connected to a power meter via an RF cable and to an LPI access point wirelessly.

1. Standard Power callbox:
 - a. Enable 6GHz standard power access point
 - b. Send command to set power limit
 - c. Connect EUT to callbox AP (CMX500) and generate traffic via iperf.
 - d. Measure output power at conducted ports of client EUT
2. Low power indoor access point:
 - a. Connect EUT to LPI AP network (TPLink Archer BE900) and generate traffic via iPerf.
 - b. Measure output power at conducted ports of client EUT

Test Notes

- The EUT is a Dual Client Device.
- The test was executed with the CMX SP AP authorized to transmit up to 3.5dBm, 19.5dBm, and 36dBm on Ch. 53 (6215MHz). The LPI AP was operating on channel 53.
- The lowest 3.5dBm power level is based on the EIRP resulting from the conducted power targets specified in the manufacturer's "WLAN and Bluetooth Maximum Power Document".
- For LPI power verification, the EUT was connected via a conducted connection to the power meter. Simultaneously, the EUT was able to see and establish a radiated connection with the low power indoor access point.
- The CMX "Max Tx Power" values displayed below are 2 times the set max EIRP level in dBm: Max Tx Power = (72) = 36dBm

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Test Setup Diagram

The testing was set up as shown in the diagram below:

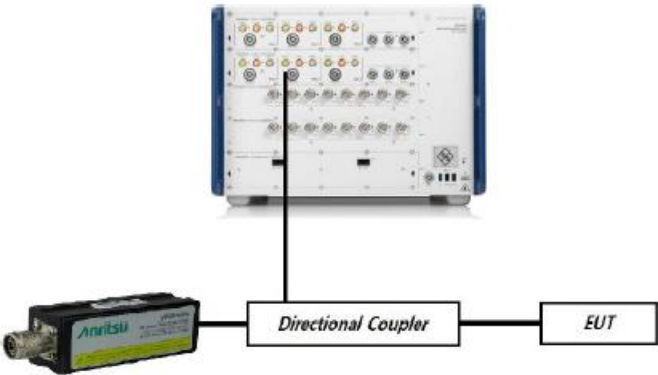


Figure 7-6. Test Setup Diagram for Power Reduction Verification Test

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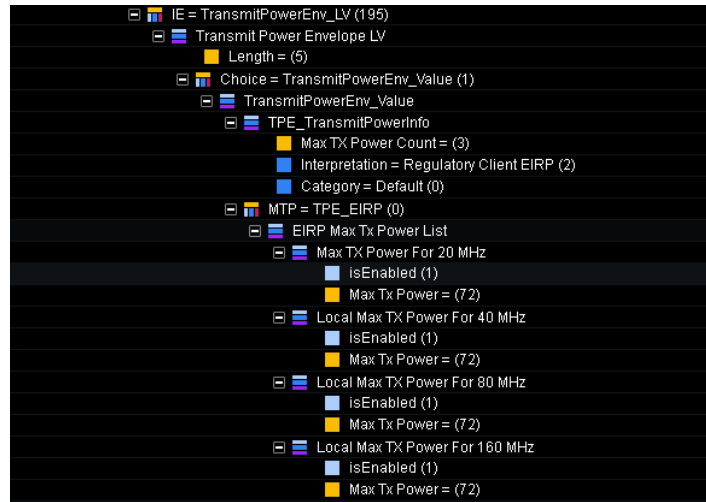


Figure 7-7. Callbox Power Authorization – 36.00dBm



Figure 7-8. Callbox Power Authorization – 19.50dBm

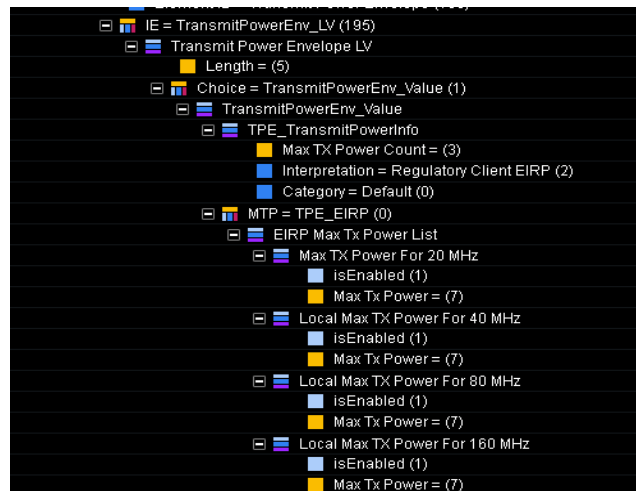


Figure 7-9. Callbox Power Authorization – 3.50dBm

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AFC Authorized EIRP for AP [dBm]	Dual Client ANT1 Conducted Power [dBm]	Antenna Gain [dBi]	Dual Client EIRP [dBm]	Client EIRP Limit [dBm]	Margin [dB]
36.00	13.32	-6.52	6.80	30.00	-23.20
19.50	12.42	-6.52	5.90	13.50	-7.60
3.50	-1.60	-6.52	-8.12	-2.50	-5.62

Table 7-49. Dual Client Output Power Results – Ch.53

AP	AFC Authorized EIRP for AP [dBm]	Dual Client ANT1 Conducted Power [dBm]	Antenna Gain [dBi]	Dual Client EIRP [dBm]	Client EIRP Limit [dBm]	Margin [dB]
SP	36.00	13.32	-6.52	6.80	30.00	-23.20
LPI		10.30	-6.52	3.78	24.00	-20.22

Table 7-50. Power Adjustment based on Associated AP Results – Ch.53

Sample e.i.r.p. Calculation:

At 6215MHz in 802.11ax (20MHz BW) mode, the average SISO conducted power was found to be 13.32 dBm with antenna gain of -6.52 dBi.

$$\text{e.i.r.p. (dBm)} = \text{Conducted Power (dBm)} + \text{Ant gain (dBi)}$$

$$13.32 \text{ dBm} + -6.52 \text{ dBi} = 6.80 \text{ dBm}$$

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7.8 Radiated Emission Measurements

Test Overview and Limit

All out of band radiated spurious emissions are measured with a spectrum analyzer connected to a receive antenna while the EUT is operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10:2020, and at the appropriate frequencies. All channels, modes (e.g. 802.11a, 802.11ax, 802.11be (20/40/80/160/320MHz), and modulations/data rates were investigated among all UNII bands. Only the radiated emissions of the configuration that produced the worst-case emissions are reported in this section.

For transmitters operating in the 5.925-7.125 GHz band: All emissions outside of the 5.925-7.125 GHz band shall not exceed an EIRP of -27dBm/MHz (68.2dBuV/m at a 3m distance). Emissions found in a restricted band are subject to the limits of 15.209 as shown in the table below.

Frequency	Field Strength [μV/m]	Measured Distance [Meters]
0.009 – 0.490 MHz	2400\F (kHz)	300
0.490 – 1.705 MHz	24000\F (kHz)	30
1.705 – 30.00 MHz	30	30
30.00 – 88.00 MHz	100	3
88.00 – 216.0 MHz	150	3
216.0 – 960.0 MHz	200	3
Above 960.0 MHz	500	3

Table 7-51. Radiated Limits

Test Procedures Used

ANSI C63.10:2020 – Sections 12.7.7.2, 12.7.6, 12.7.5

Test Settings – Above 1GHz

Average Field Strength Measurements (Method AD – Average Detection)

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest.
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = power average (RMS)
5. Number of measurement points = 1001 (Number of points must be $\geq 2 \times \text{span} \backslash \text{RBW}$)
6. Sweep time = auto
7. Trace (RMS) averaging was performed over at least 100 traces.

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Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest.
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize.

Test Settings – Below 1GHz

Quasi-Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest.
2. RBW = 120kHz (for emissions from 30MHz – 1GHz)
3. Detector = quasi-peak
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize.

Test Setup

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

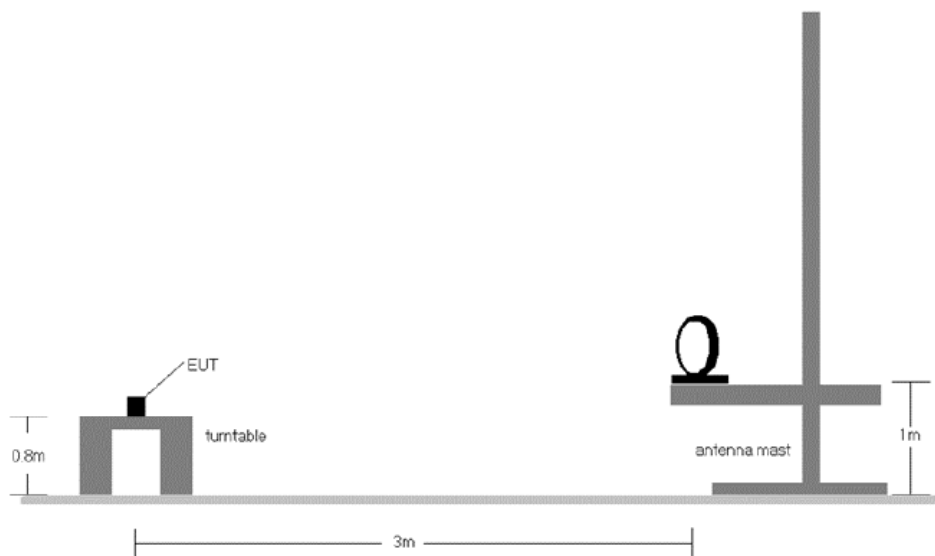


Figure 7-10. Radiated Test Setup < 30MHz

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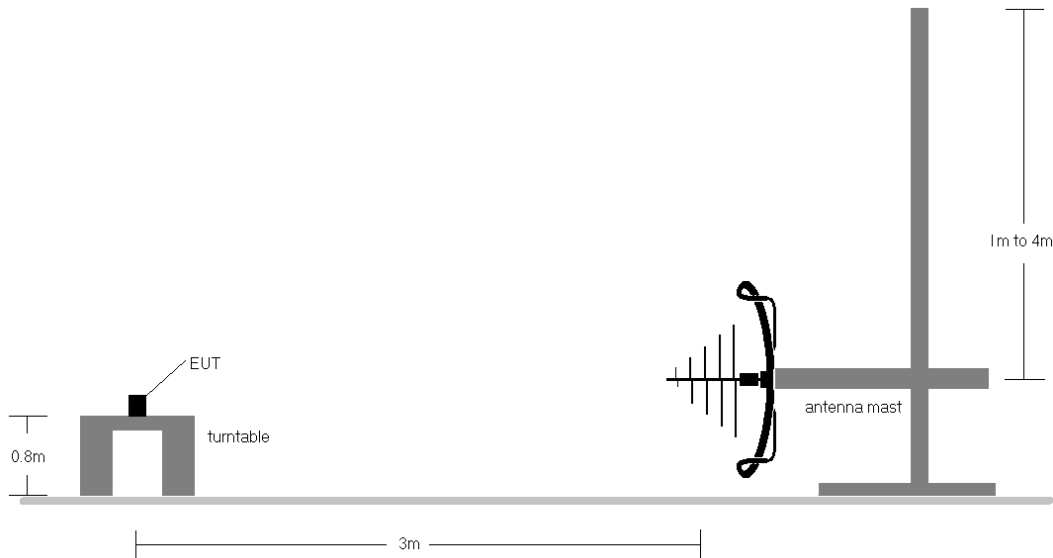


Figure 7-11. Radiated Test Setup < 1GHz

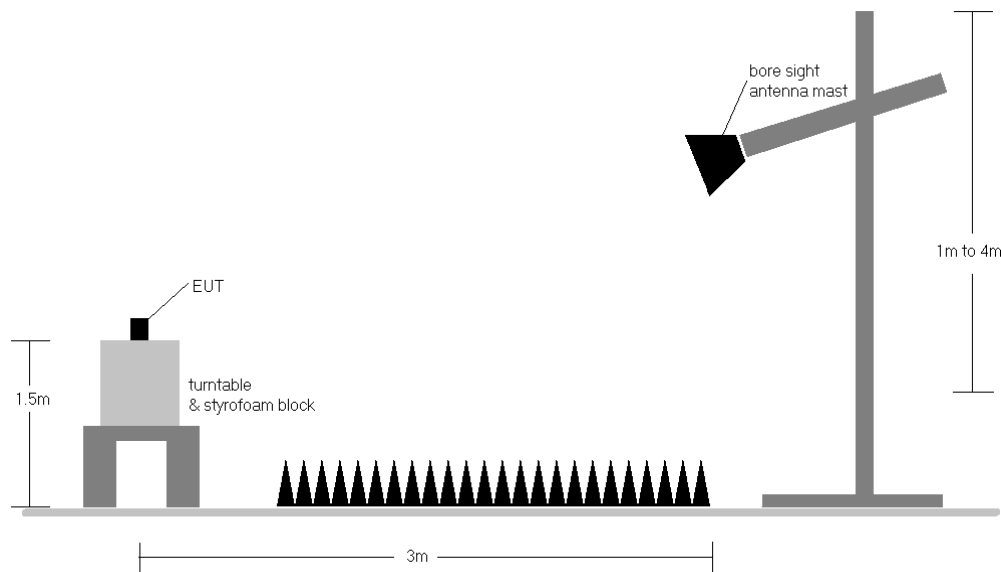


Figure 7-12. Radiated Test Setup > 1GHz

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Test Notes

1. All spurious emissions lying in restricted bands specified in §15.205 are below the limits specified in §15.209. All spurious emissions that do not lie in a restricted band are subject to an average limit of -27dBm/MHz. At 3 meters, the field strength limit in dB μ V/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.
2. All spurious emissions that do not lie in a restricted band are subject to a peak limit not to exceed 20dB of the average limit [68.2dB μ V/m]. If a peak measurement passes the average limit, it was determined no further investigation is necessary.
3. The antenna is manipulated through typical positions, polarity, and length during the tests. The EUT is manipulated through three orthogonal planes.
4. This unit was tested with its standard battery.
5. The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter using CISPR quasi peak detector below 1GHz. Above 1 GHz, average and peak measurements were taken using linearly polarized horn antennas. The worst-case emissions are reported, however emissions whose levels were not within 20dB of the respective limits were not reported.
6. 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.
7. The wide spectrum spurious emissions plots shown on the following pages are used only for the purpose of emission identification. Any emissions found to be within 20dB of the limit are fully investigated and the results are shown in this section. The "-" shown in the following RSE tables are used to denote a noise floor measurement.
8. In the case where a peak-detector measurement passed the given RMS limit it was determined sufficient to demonstrate compliance.
9. The results recorded using the broadband antenna are known to correlate with the results obtained by using a tuned dipole with an acceptable degree of accuracy. The VSWR for the measurement antenna was found to be less than 2:1.

Sample Calculations

Determining Spurious Emissions Levels

- Field Strength Level [dB μ V/m] = Analyzer Level [dBm] + 107 + AFCL [dB/m]
- AFCL [dB/m] = Antenna Factor [dB/m] + Cable Loss [dB]
- Margin [dB] = Field Strength Level [dB μ V/m] – Limit [dB μ V/m]

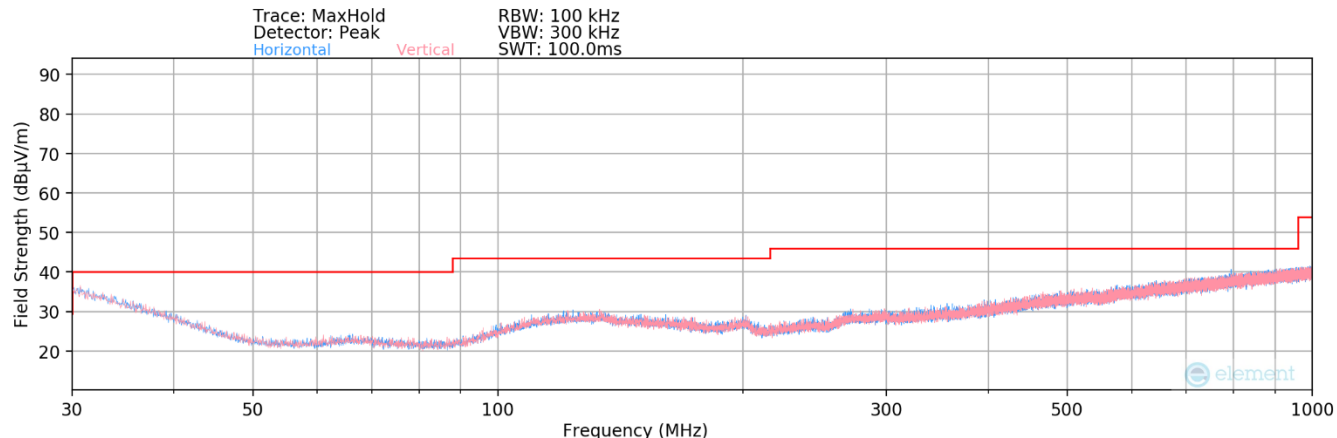
Radiated Band Edge Measurement Offset

The amplitude offset shown in the radiated restricted band edge plots was calculated using the formula:

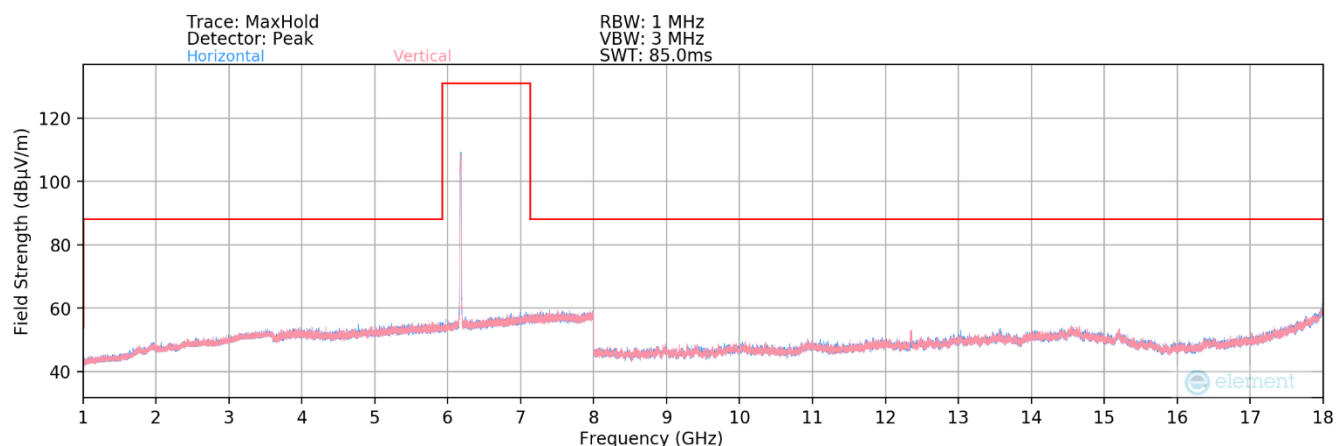
$$\text{Offset (dB)} = (\text{Antenna Factor} + \text{Cable Loss} + \text{Attenuator}) - \text{Preamplifier Gain}$$

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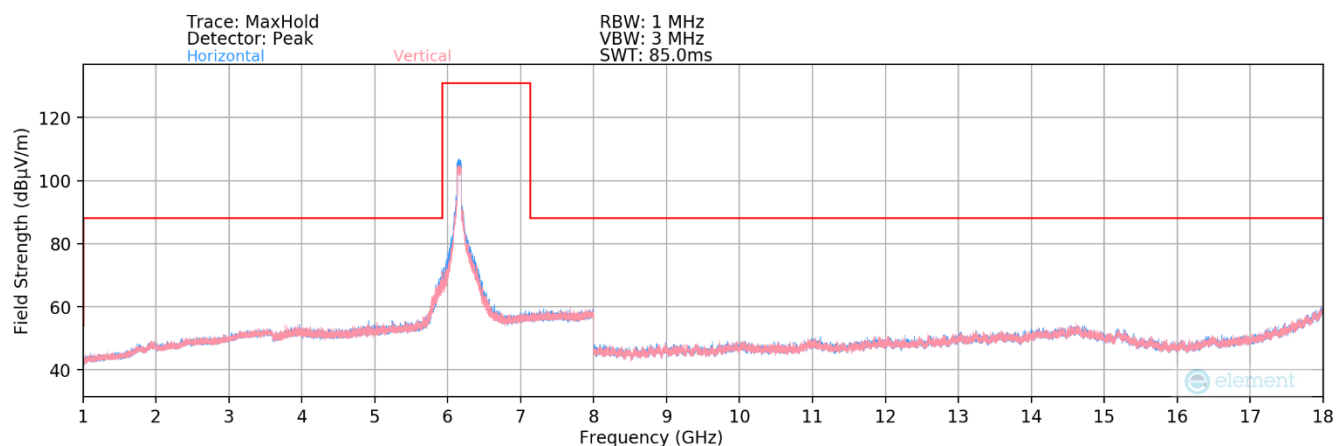
7.8.1 MIMO Radiated Spurious Emission Measurements



Plot 7-129. Radiated Spurious Plot below 1GHz MIMO (802.11a)

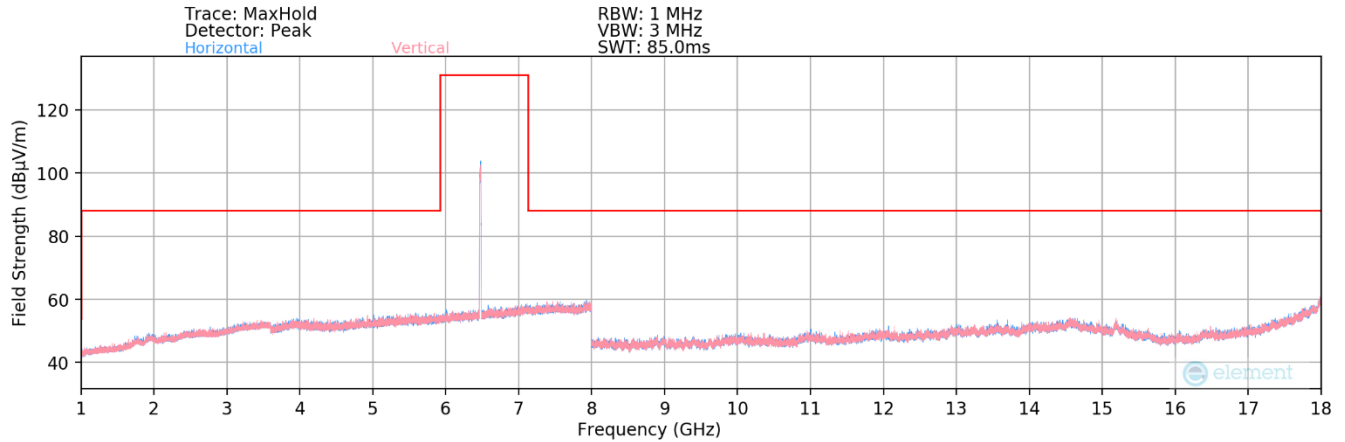


Plot 7-130. Radiated Spurious Plot 1GHz – 18GHz MIMO (802.11a – UNII Band 5 Ch. 45)

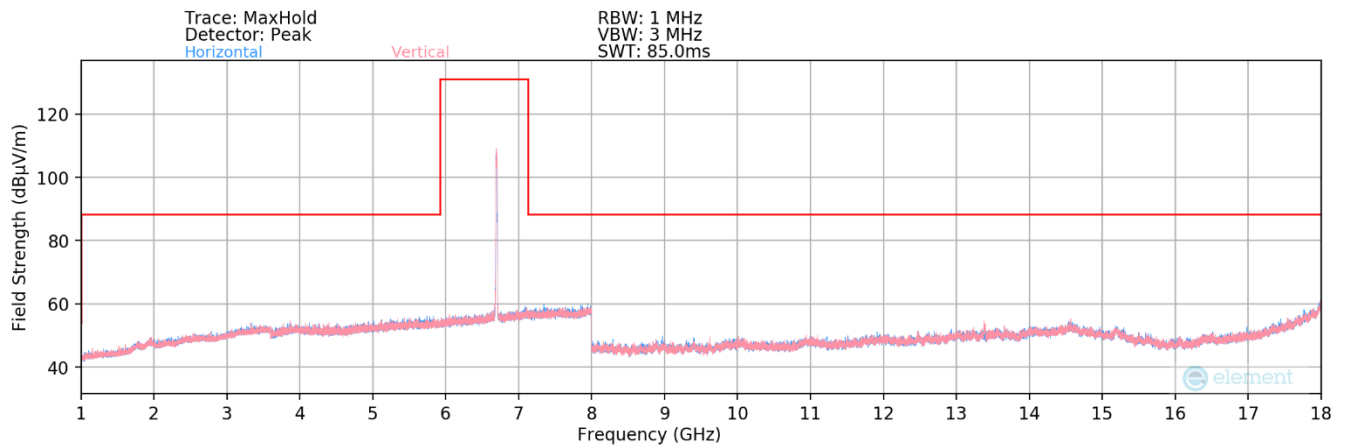


Plot 7-131. Radiated Spurious Plot 1GHz – 18GHz MIMO (802.11be – UNII Band 5 Ch. 39) – 20MHz Punctured

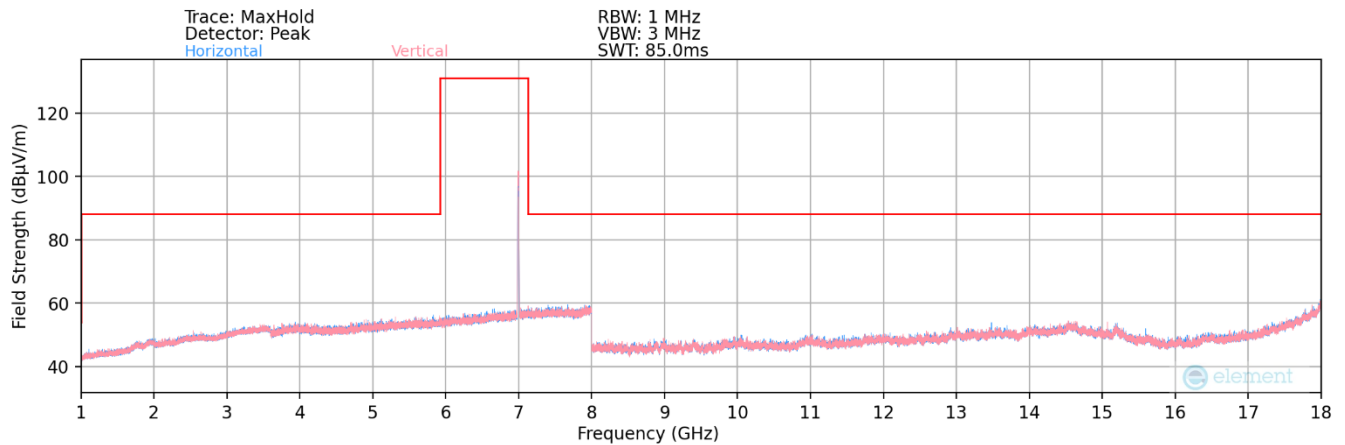
FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-132. Radiated Spurious Plot 1GHz – 18GHz MIMO (802.11a – UNII Band 6 Ch. 105)

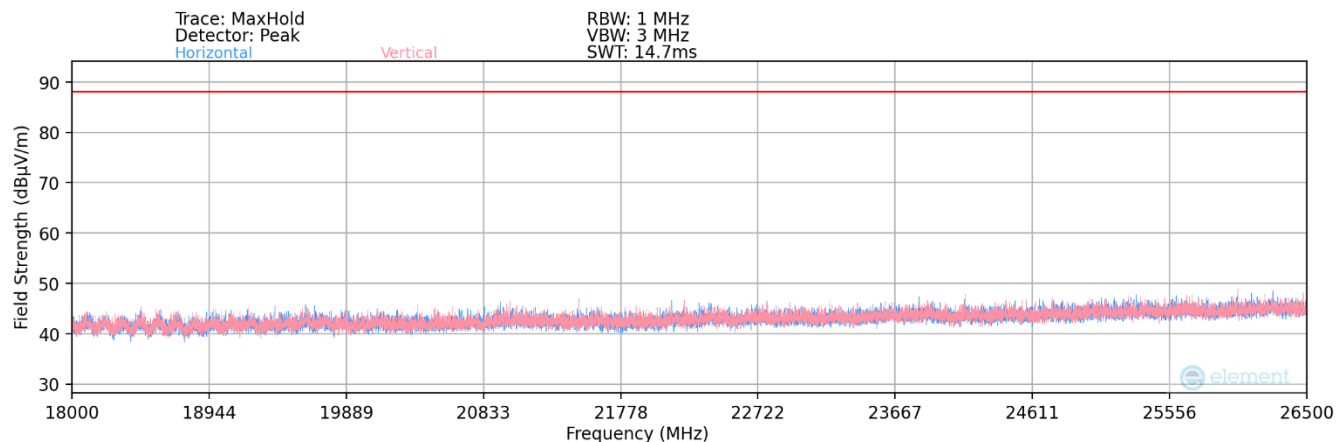


Plot 7-133. Radiated Spurious Plot 1GHz – 18GHz MIMO (802.11a – UNII Band 7 Ch. 149)

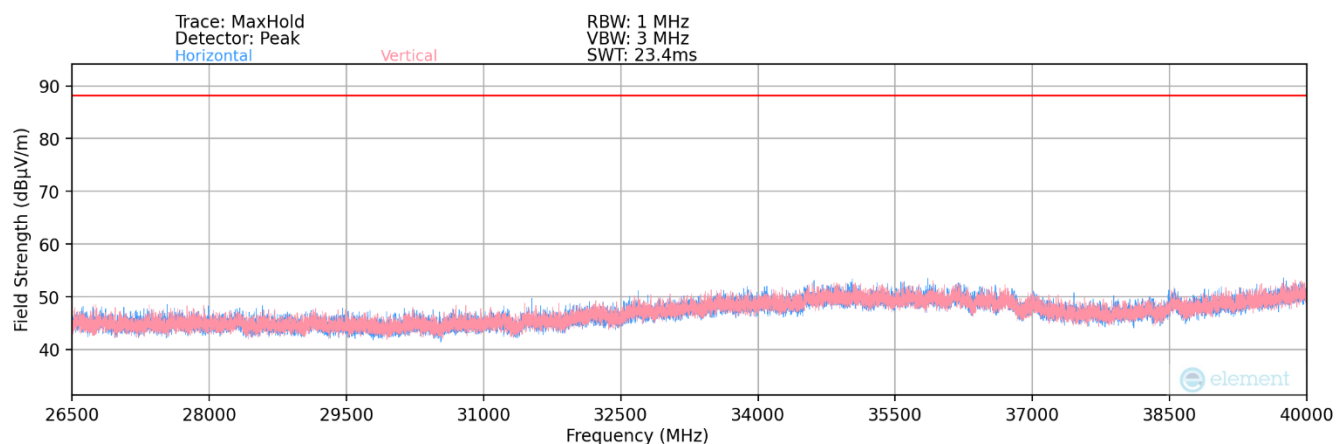


Plot 7-134. Radiated Spurious Plot 1GHz – 18GHz MIMO (802.11a – U Band 8 Ch. 209)

FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-135. Radiated Spurious Plot 18GHz - 26.5GHz (802.11a) – Ch. 149



Plot 7-136. Radiated Spurious Plot 26.5GHz - 40GHz (802.11a) – Ch. 149

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MIMO Radiated Spurious Emission Measurements – UNII Band 5

Worst Case Mode: 802.11a
Worst Case Transfer Rate: 6Mbps
Distance of Measurements: 1 & 3 Meters

Mode	Antenna	UNII Band	Channel	Test Channel Freq. [MHz]	Restricted	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
802.11a	MIMO	5	2	5935	*	11870.00	Average	H	120	257	-72.12	9.41	0.00	44.29	53.98	-9.69
					*	11870.00	Peak	H	120	257	-59.60	9.41	0.00	56.81	73.98	-17.17
					*	17805.00	Average	H	-	-	-77.06	16.76	0.00	46.70	53.98	-7.28
					*	17805.00	Peak	H	-	-	-66.17	16.76	0.00	57.59	73.98	-16.39
					*	23740.00	Average	H	-	-	-52.93	4.02	-9.54	48.55	53.98	-5.43
					*	23740.00	Peak	H	-	-	-51.35	4.02	-9.54	50.13	73.98	-23.85
					*	29675.00	Peak	H	-	-	-52.71	5.01	-9.54	49.76	68.20	-18.44
			45	6175	*	12350.00	Average	H	119	197	-77.16	9.78	0.00	39.62	53.98	-14.36
					*	12350.00	Peak	H	119	197	-65.14	9.78	0.00	51.64	73.98	-22.34
					*	18525.00	Average	H	-	-	-52.45	1.00	-9.54	46.01	53.98	-7.97
					*	18525.00	Peak	H	-	-	-50.70	1.00	-9.54	47.76	73.98	-26.22
					*	24700.00	Peak	H	-	-	-50.99	4.23	-9.54	50.70	68.20	-17.50
					*	30875.00	Peak	H	-	-	-52.91	5.66	-9.54	50.21	68.20	-17.99
			93	6415	*	12830.00	Peak	H	-	-	-66.23	10.40	0.00	51.17	68.20	-17.03
					*	19245.00	Average	H	-	-	-52.34	1.74	-9.54	46.86	53.98	-7.12
					*	19245.00	Peak	H	-	-	-50.68	1.74	-9.54	48.52	73.98	-25.46
					*	25660.00	Peak	H	-	-	-51.66	4.69	-9.54	50.49	68.20	-17.71
					*	32075.00	Peak	H	-	-	-52.13	6.47	-9.54	51.80	68.20	-16.40

Table 7-52. Radiated Measurements MIMO – SP

Mode	Antenna	UNII Band	Channel	Test Channel Freq. [MHz]	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
802.11a	ANT1	5	45	6175	300.00	Quasi-Peak	H	-	-	-89.30	21.02	0.00	38.72	46.02	-7.30

Table 7-53. Radiated Measurements below 1GHz MIMO – SP

Mode	Antenna	UNII Band	Channel	Test Channel Freq. [MHz]	Restricted	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
802.11a	MIMO	5	45	6175	*	12350.00	Average	H	125	238	-75.75	9.78	0.00	41.03	53.98	-12.95
					*	12350.00	Peak	H	125	238	-63.41	9.78	0.00	53.37	73.98	-20.61

Table 7-54. Radiated Measurements MIMO with WCP

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MIMO Radiated Spurious Emission Measurements – UNII Band 6

Worst Case Mode: 802.11a
Worst Case Transfer Rate: 6Mbps
Distance of Measurements: 1 & 3 Meters

Mode	Antenna	UNII Band	Channel	Test Channel Freq. [MHz]	Restricted	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
802.11a	MIMO	6	97	6435		12870.00	Peak	H	-	-	-66.46	10.56	0.00	51.10	68.20	-17.10
					*	19305.00	Average	H	-	-	-54.23	1.65	-9.54	44.88	53.98	-9.10
					*	19305.00	Peak	H	-	-	-52.47	1.65	-9.54	46.64	73.98	-27.34
						25740.00	Peak	H	-	-	-51.50	4.71	-9.54	50.67	68.20	-17.53
						32175.00	Peak	H	-	-	-52.48	6.76	-9.54	51.74	68.20	-16.46
			105	6475		12950.00	Peak	H	-	-	-66.28	10.59	0.00	51.31	68.20	-16.89
					*	19425.00	Average	H	-	-	-52.49	1.76	-9.54	46.73	53.98	-7.25
					*	19425.00	Peak	H	-	-	-50.72	1.76	-9.54	48.50	73.98	-25.48
						25900.00	Peak	H	-	-	-51.53	4.78	-9.54	50.71	68.20	-17.49
						32375.00	Peak	H	-	-	-52.35	6.56	-9.54	51.67	68.20	-16.53
			113	6515		13030.00	Peak	H	-	-	-66.82	10.86	0.00	51.04	68.20	-17.16
					*	19545.00	Average	H	-	-	-52.81	1.89	-9.54	46.54	53.98	-7.44
					*	19545.00	Peak	H	-	-	-50.05	1.89	-9.54	49.30	73.98	-24.68
						26060.00	Peak	H	-	-	-51.15	4.92	-9.54	51.23	68.20	-16.97
						32575.00	Peak	H	-	-	-51.50	6.76	-9.54	52.72	68.20	-15.48

Table 7-55. Radiated Measurements MIMO – LPI

FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-18-R1.A3L	Test Dates: 9/2/25 - 12/30/25	EUT Type: Portable Handset	Page 128 of 152



MIMO Radiated Spurious Emission Measurements – UNII Band 7

Worst Case Mode: 802.11a
Worst Case Transfer Rate: 6Mbps
Distance of Measurements: 1 & 3 Meters

Mode	Antenna	UNII Band	Channel	Test Channel Freq. [MHz]	Restricted	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
802.11a	MIMO	7	117	6535		13070.00	Peak	H	-	-	-66.00	10.74	0.00	51.74	68.20	-16.46
					*	19605.00	Average	H	-	-	-52.49	2.20	-9.54	47.17	53.98	-6.81
					*	19605.00	Peak	H	-	-	-50.33	2.20	-9.54	49.33	73.98	-24.65
						26140.00	Peak	H	-	-	-50.44	4.98	-9.54	52.00	68.20	-16.20
						32675.00	Peak	H	-	-	-51.80	7.14	-9.54	52.80	68.20	-15.40
			149	6695	*	13390.00	Average	H	-	-	-77.51	11.04	0.00	40.53	53.98	-13.45
					*	13390.00	Peak	H	-	-	-65.48	11.04	0.00	52.56	73.98	-21.42
					*	20085.00	Average	H	-	-	-53.64	2.07	-9.54	45.89	53.98	-8.09
					*	20085.00	Peak	H	-	-	-51.40	2.07	-9.54	48.13	73.98	-25.85
						26780.00	Peak	H	-	-	-51.21	5.18	-9.54	51.43	68.20	-16.77
			185	6875		33475.00	Peak	H	-	-	-52.01	8.48	-9.54	53.93	68.20	-14.27
						13750.00	Peak	H	-	-	-65.57	11.51	0.00	52.94	68.20	-15.26
					*	20625.00	Average	H	-	-	-52.98	2.36	-9.54	46.84	53.98	-7.14
					*	20625.00	Peak	H	-	-	-51.14	2.36	-9.54	48.68	73.98	-25.30
						27500.00	Peak	H	-	-	-51.67	5.00	-9.54	50.79	68.20	-17.41
						34375.00	Peak	H	-	-	-52.29	9.46	-9.54	54.63	68.20	-13.57

Table 7-56. Radiated Measurements MIMO – SP

FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-18-R1.A3L	Test Dates: 9/2/25 - 12/30/25	EUT Type: Portable Handset	Page 129 of 152



MIMO Radiated Spurious Emission Measurements – UNII Band 8

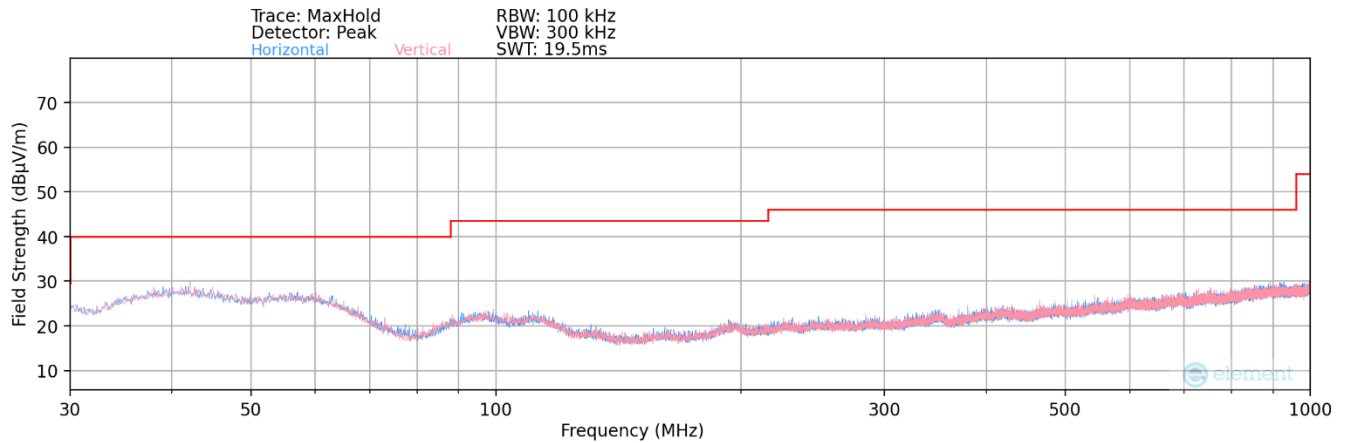
Worst Case Mode: 802.11a
Worst Case Transfer Rate: 6Mbps
Distance of Measurements: 1 & 3 Meters

Mode	Antenna	UNII Band	Channel	Test Channel Freq. [MHz]	Restricted	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
802.11a	MIMO	8	189	6895		13790.00	Peak	H	-	-	-64.47	11.38	0.00	53.91	68.20	-14.29
					*	20685.00	Average	H	-	-	-55.56	2.33	-9.54	44.23	53.98	-9.75
					*	20685.00	Peak	H	-	-	-52.31	2.33	-9.54	47.48	73.98	-26.50
						27580.00	Peak	H	-	-	-52.02	5.33	-9.54	50.77	68.20	-17.43
						34475.00	Peak	H	-	-	-51.75	9.33	-9.54	55.04	68.20	-13.16
			209	6995		13990.00	Peak	H	-	-	-65.47	11.63	0.00	53.16	68.20	-15.04
					*	20985.00	Average	H	-	-	-54.11	2.83	-9.54	46.18	53.98	-7.80
					*	20985.00	Peak	H	-	-	-51.47	2.83	-9.54	48.82	73.98	-25.16
						27980.00	Peak	H	-	-	-50.43	5.30	-9.54	52.33	68.20	-15.87
						34975.00	Peak	H	-	-	-51.64	9.79	-9.54	55.61	68.20	-12.59
			233	7115		14230.00	Peak	H	-	-	-64.85	12.35	0.00	54.50	68.20	-13.70
					*	21345.00	Average	H	-	-	-53.65	2.85	-9.54	46.66	53.98	-7.32
					*	21345.00	Peak	H	-	-	-50.21	2.85	-9.54	50.10	73.98	-23.88
						28460.00	Peak	H	-	-	-50.88	5.34	-9.54	51.92	68.20	-16.28
						35575.00	Peak	H	-	-	-52.14	9.53	-9.54	54.85	68.20	-13.35

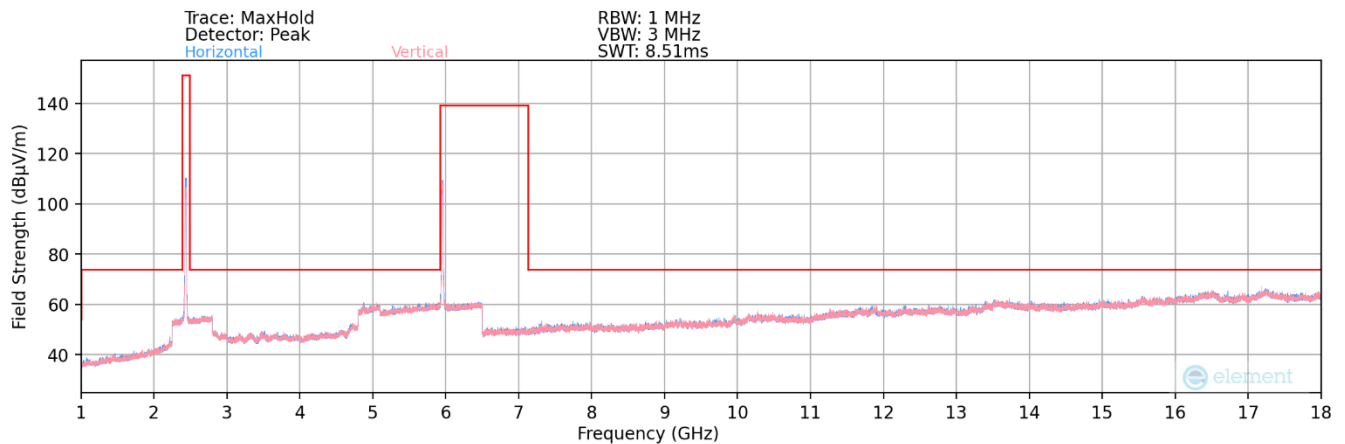
Table 7-57. Radiated Measurements MIMO – LPI

FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-18-R1.A3L	Test Dates: 9/2/25 - 12/30/25	EUT Type: Portable Handset	Page 130 of 152

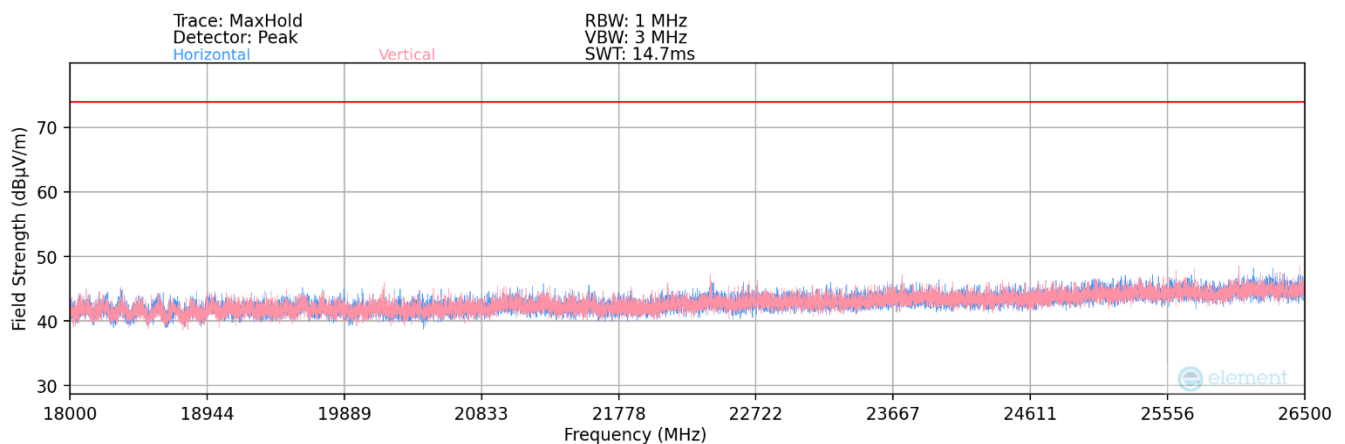
7.8.2 MIMO Radiated Spurious Emission Measurements – Simultaneous Transmission



Plot 7-137. Radiated Spurious Plot below 1GHz MIMO 802.11g (2.4GHz – Ch.6) + MIMO 802.11a (6GHz – Ch.1)

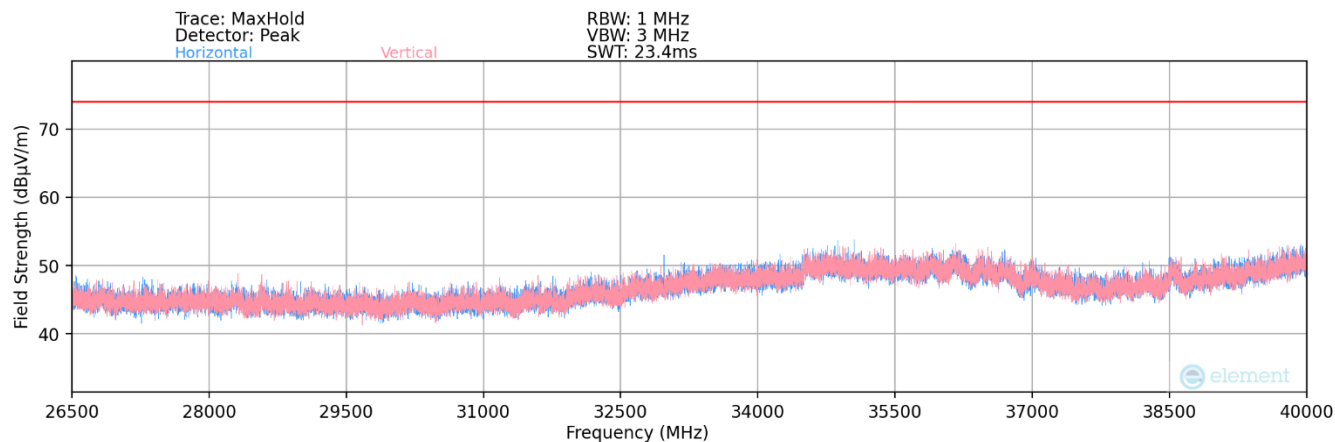


Plot 7-138. Radiated Spurious Plot above 1GHz MIMO 802.11g (2.4GHz – Ch.6) + MIMO 802.11a (6GHz – Ch.1)



Plot 7-139. Radiated Spurious Plot 18GHz – 26.6GHz MIMO 802.11g (2.4GHz – Ch.6) + MIMO 802.11a (6GHz – Ch.1)

FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-18-R1.A3L	Test Dates: 9/2/25 - 12/30/25	EUT Type: Portable Handset	Page 131 of 152



Plot 7-140. Radiated Spurious Plot 26.6GHz – 40GHz MIMO 802.11g (2.4GHz – Ch.6) + MIMO 802.11a (6GHz – Ch.1)

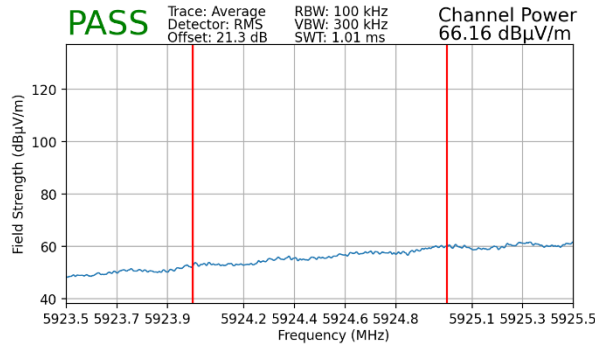
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
1081.00	Average	H	-	-	-76.08	-2.46	28.46	53.98	-25.52
1081.00	Peak	H	-	-	-64.67	-2.46	39.87	73.98	-34.11
3518.00	Peak	H	-	-	-65.86	7.75	48.89	73.98	-25.09
7036.00	Peak	H	-	-	-68.80	15.43	53.63	73.98	-20.35
10829.00	Average	H	-	-	-79.23	20.66	48.43	53.98	-5.55
10829.00	Peak	H	-	-	-67.32	20.66	60.34	73.98	-13.64

Table 7-58. Radiated Measurements MIMO 2.4GHz + 6GHz

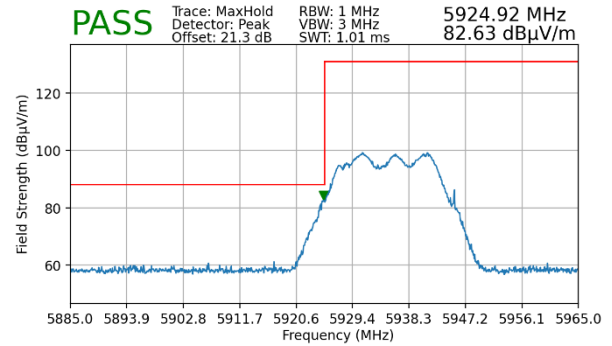
FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-18-R1.A3L	Test Dates: 9/2/25 - 12/30/25	EUT Type: Portable Handset	Page 132 of 152

7.8.3 MIMO Radiated Band Edge Measurements (20MHz BW)

Worst Case Mode:	802.11a
Worst Case Transfer Rate:	6Mbps
Distance of Measurements:	3 Meters
Operating Frequency:	5935MHz
Channel:	2

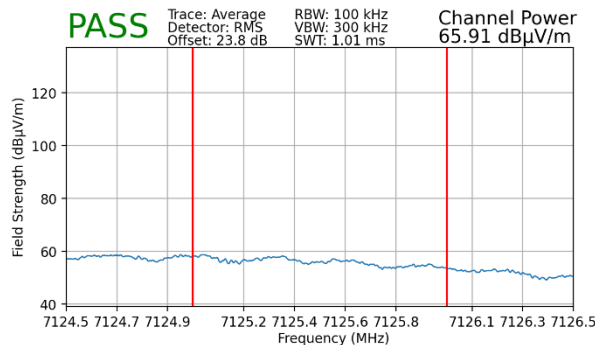


Plot 7-141. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 5)

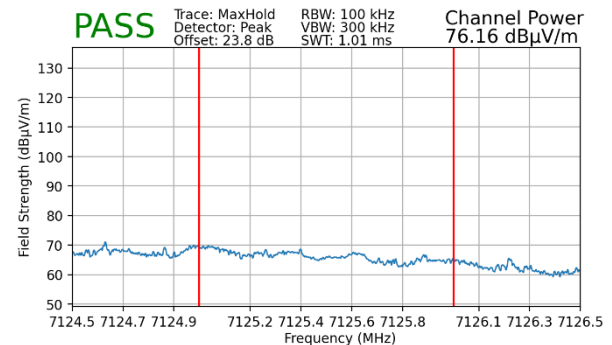


Plot 7-142. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 5)

Worst Case Mode:	802.11a
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	7115MHz
Channel:	233



Plot 7-143. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 8)

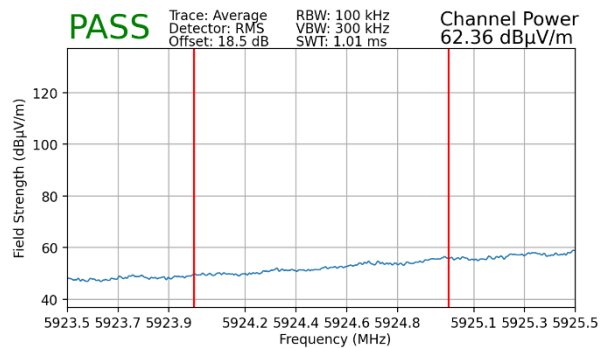


Plot 7-144. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 8)

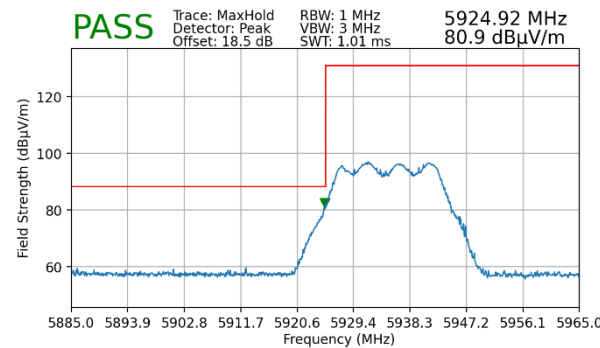
FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-18-R1.A3L	Test Dates: 9/2/25 - 12/30/25	EUT Type: Portable Handset	Page 133 of 152



Worst Case Mode:	802.11a
Worst Case Transfer Rate:	6Mbps
Distance of Measurements:	3 Meters
Operating Frequency:	5935MHz
Channel:	2



**Plot 7-145. Radiated Lower Band Edge Plot MIMO
(Average – UNII Band 5) – WCP**

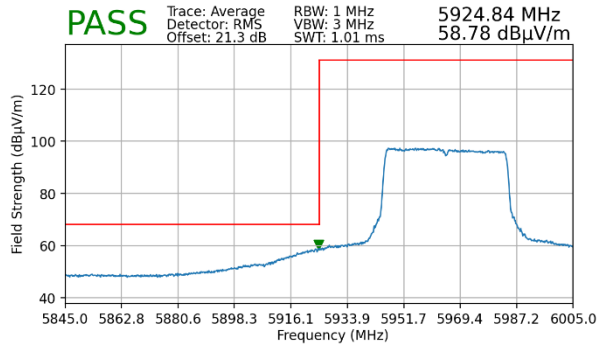


**Plot 7-146. Radiated Lower Band Edge Plot MIMO
(Peak – UNII Band 5) – WCP**

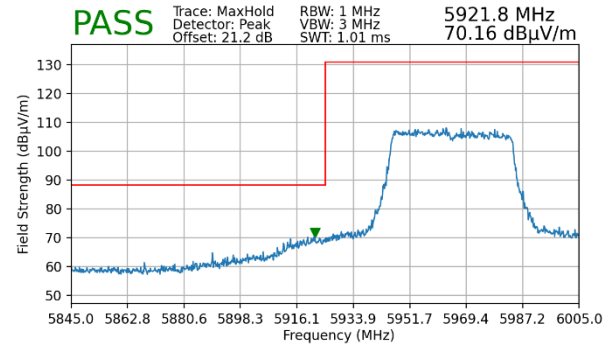
FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-18-R1.A3L	Test Dates: 9/2/25 - 12/30/25	EUT Type: Portable Handset	Page 134 of 152

7.8.4 MIMO Radiated Band Edge Measurements (40MHz BW)

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	5965MHz
Channel:	3

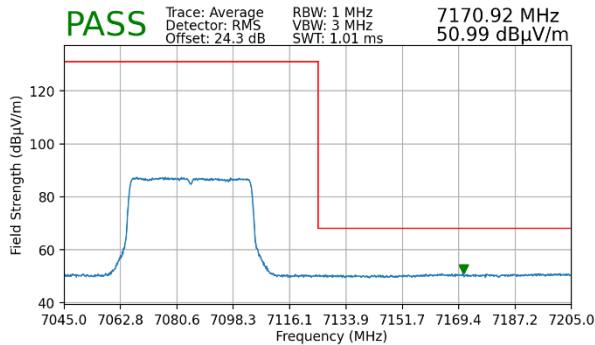


Plot 7-147. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 5)

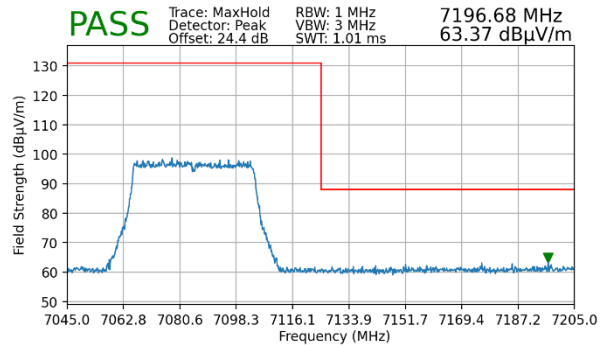


Plot 7-148. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 5)

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	7085MHz
Channel:	227



Plot 7-149. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 8)

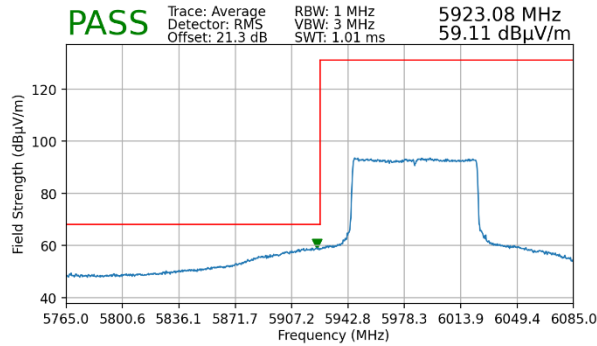


Plot 7-150. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 8)

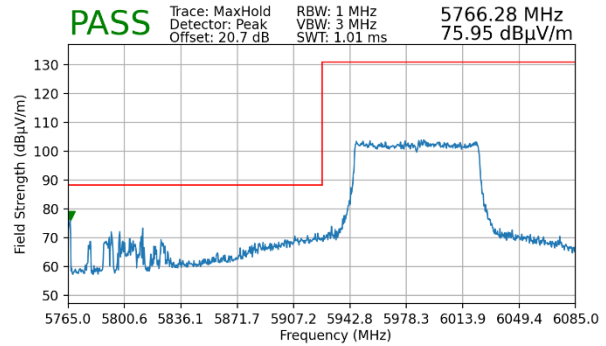
FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-18-R1.A3L	Test Dates: 9/2/25 - 12/30/25	EUT Type: Portable Handset	Page 135 of 152

7.8.5 MIMO Radiated Band Edge Measurements (80MHz BW)

Worst Case Mode:	802.11be
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	5985MHz
Channel:	7

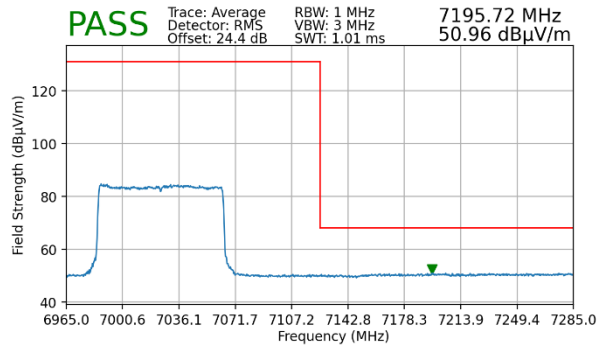


Plot 7-151. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 5)

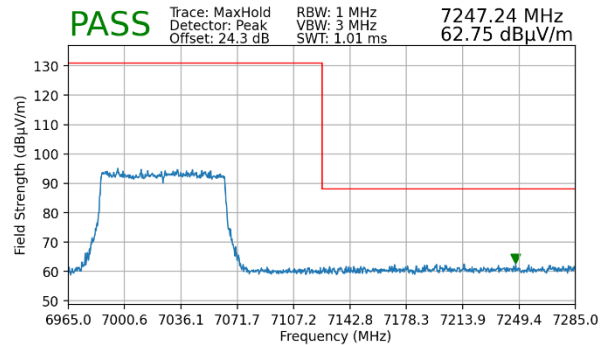


Plot 7-152. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 5)

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	7025MHz
Channel:	215



Plot 7-153. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 8)

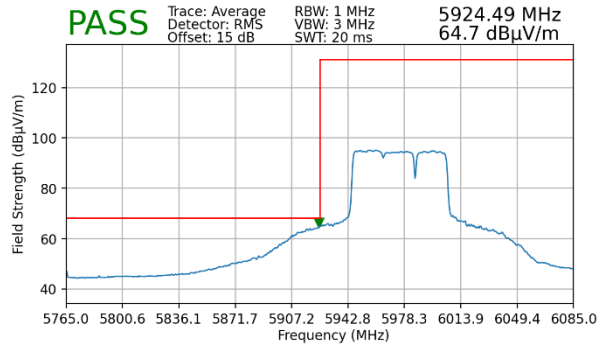


Plot 7-154. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 8)

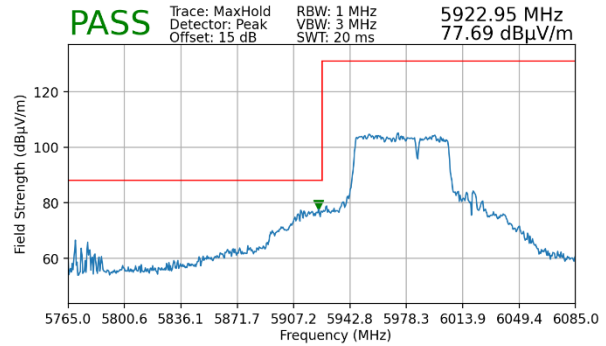
FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-18-R1.A3L	Test Dates: 9/2/25 - 12/30/25	EUT Type: Portable Handset	Page 136 of 152

7.8.6 MIMO Radiated Band Edge Measurements (80MHz BW - Punctured)

Worst Case Mode:	802.11be
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	5985MHz
Channel:	7

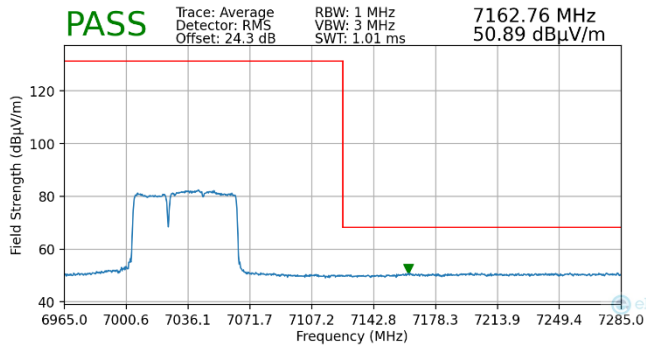


Plot 7-155. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 5)

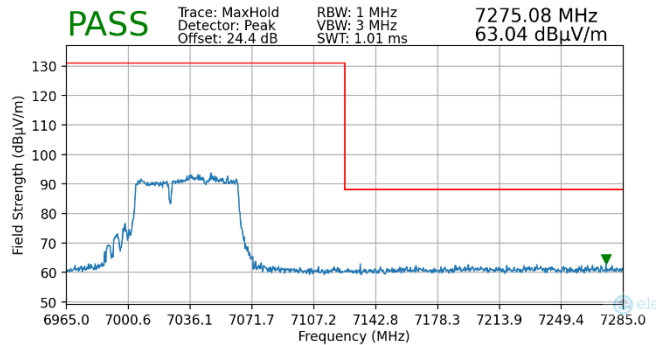


Plot 7-156. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 5)

Worst Case Mode:	802.11be
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	7025MHz
Channel:	215



Plot 7-157. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 8)

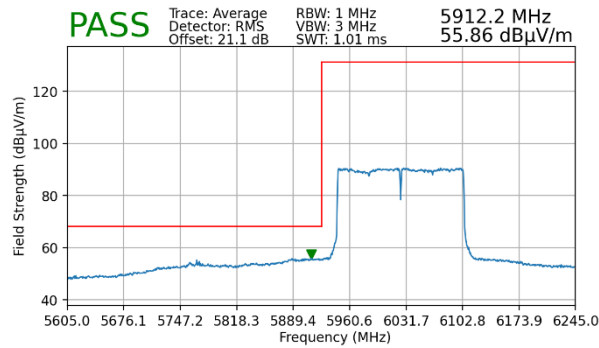


Plot 7-158. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 8)

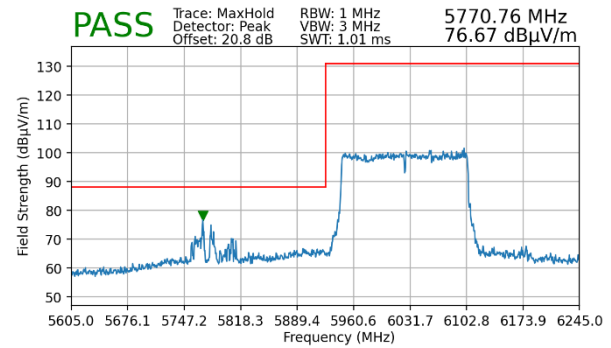
FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-18-R1.A3L	Test Dates: 9/2/25 - 12/30/25	EUT Type: Portable Handset	Page 137 of 152

7.8.7 MIMO Radiated Band Edge Measurements (160MHz BW)

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	6025MHz
Channel:	15

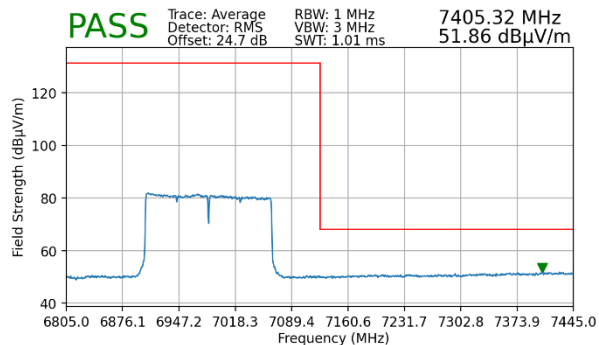


Plot 7-159. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 5)

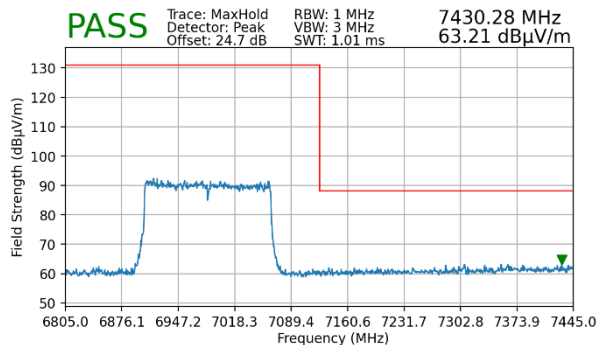


Plot 7-160. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 5)

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	6985MHz
Channel:	207



Plot 7-161. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 8)

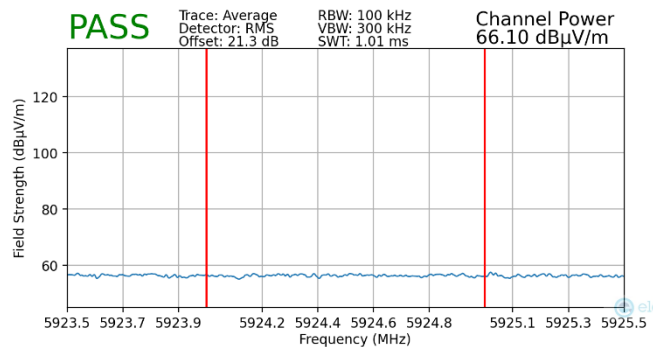


Plot 7-162. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 8)

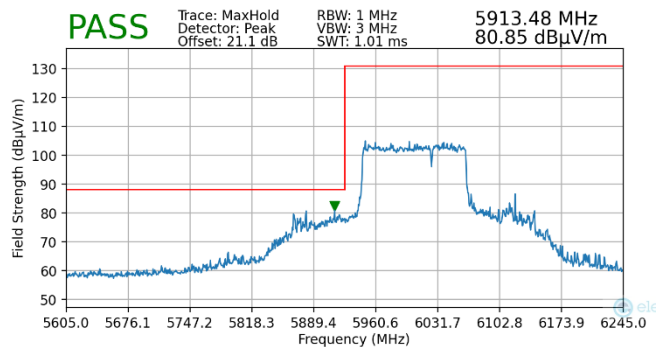
FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-18-R1.A3L	Test Dates: 9/2/25 - 12/30/25	EUT Type: Portable Handset	Page 138 of 152

7.8.8 MIMO Radiated Band Edge Measurements (160MHz BW - Punctured)

Worst Case Mode:	802.11be
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	6025MHz
Channel:	15

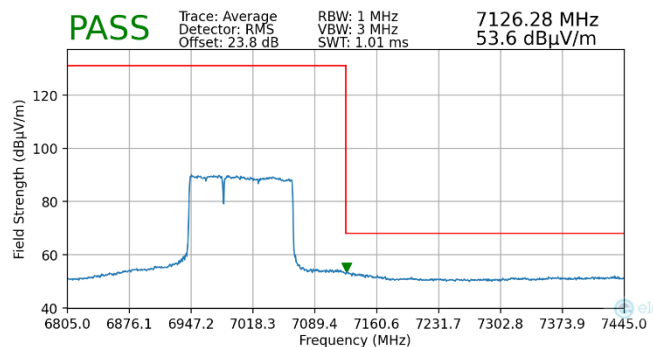


Plot 7-163. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 5)

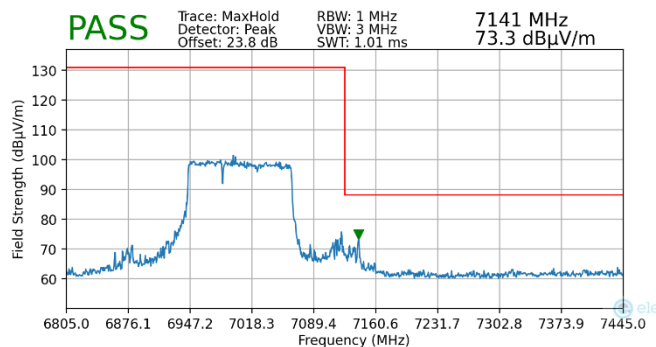


Plot 7-164. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 5)

Worst Case Mode:	802.11be
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	6985MHz
Channel:	207



Plot 7-165. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 8)

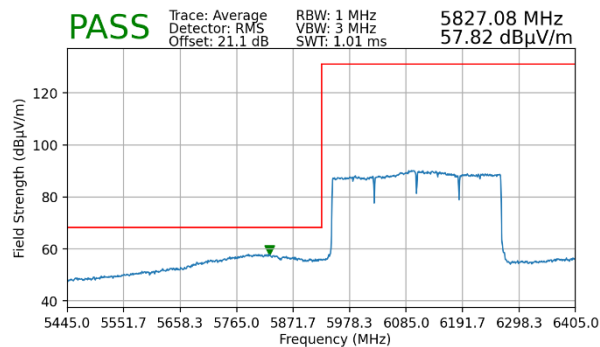


Plot 7-166. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 8)

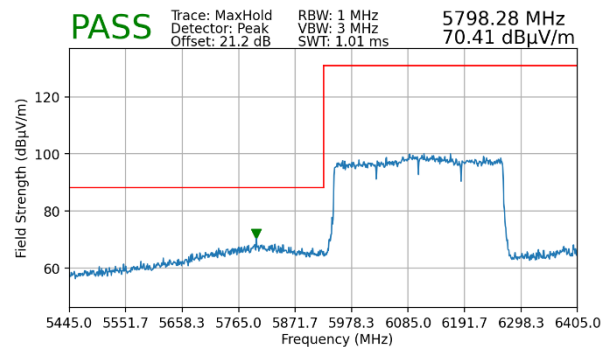
FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-18-R1.A3L	Test Dates: 9/2/25 - 12/30/25	EUT Type: Portable Handset	Page 139 of 152

7.8.9 MIMO Radiated Band Edge Measurements (320MHz BW)

Worst Case Mode:	802.11be
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	6105MHz
Channel:	31

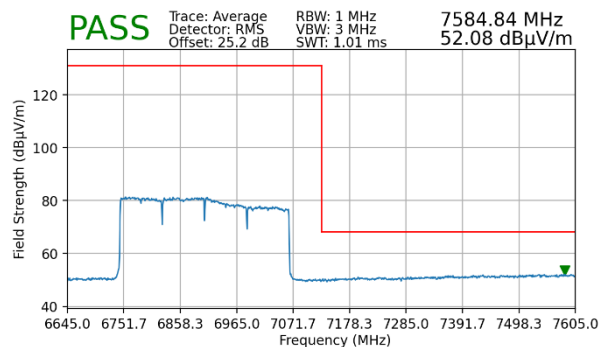


Plot 7-167. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 5)

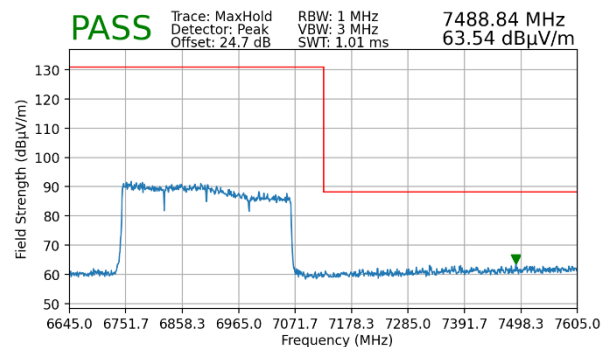


Plot 7-168. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 5)

Worst Case Mode:	802.11be
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	6905MHz
Channel:	191



Plot 7-169. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 8)



Plot 7-170. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 8)

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