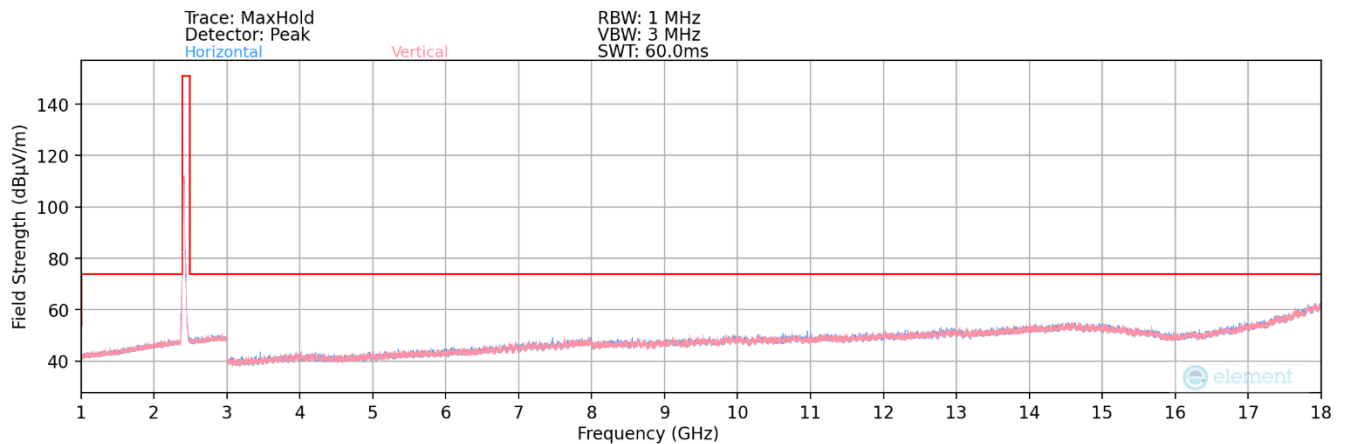
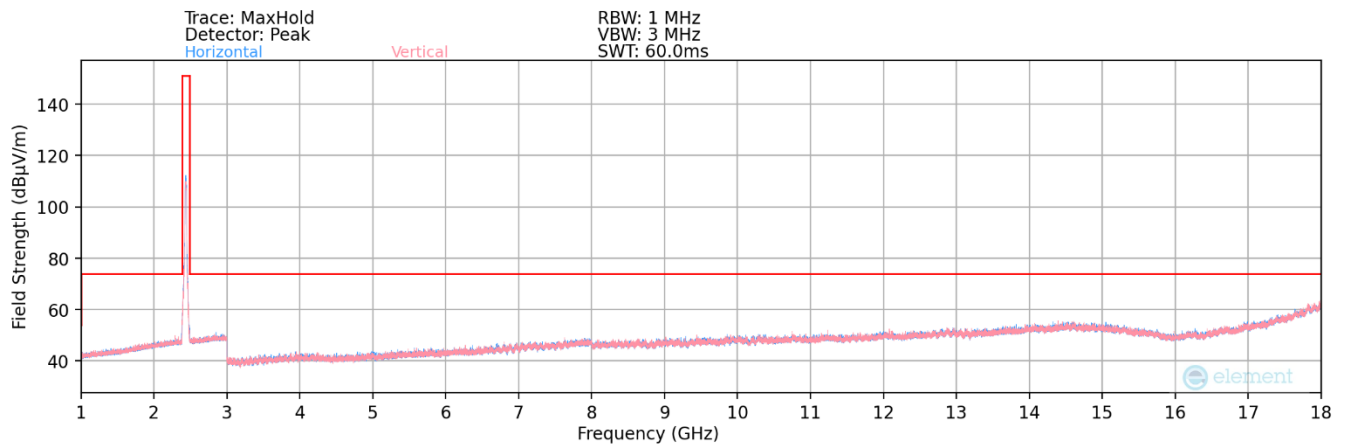


Plot 7-128. Radiated Spurious Plot above 18GHz – MIMO ANT2 (802.11ax OFDMA – 26 Tones)

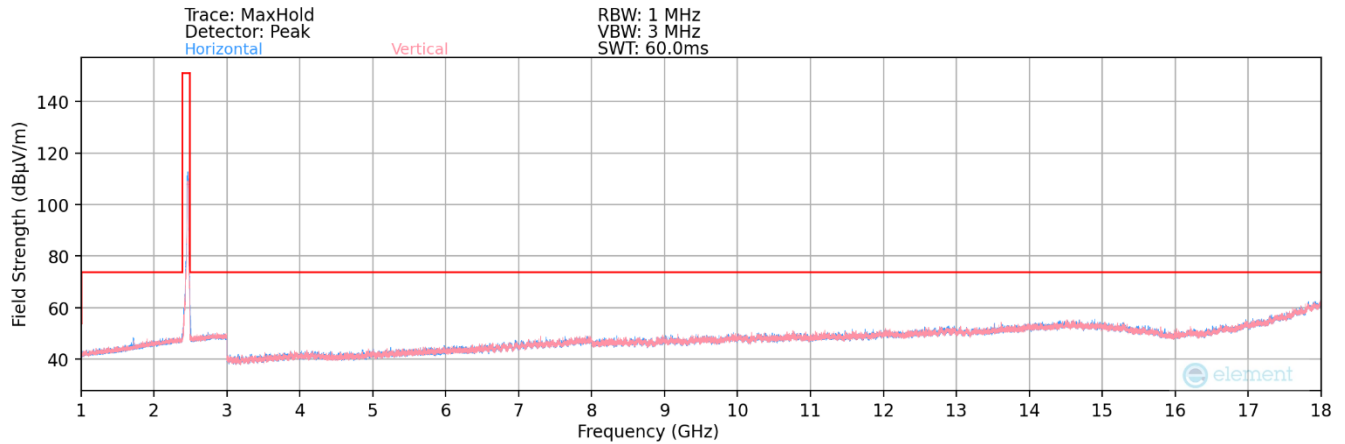


Plot 7-129. Radiated Spurious Plot above 1GHz – MIMO (802.11ax OFDMA – 242 Tones – Ch. 1)

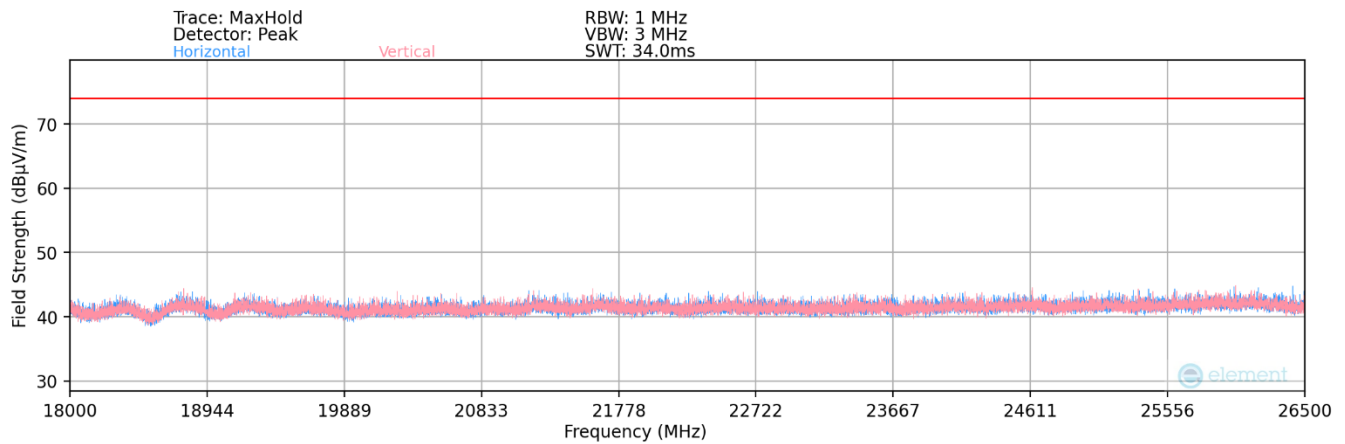


Plot 7-130. Radiated Spurious Plot above 1GHz – MIMO (802.11ax OFDMA – 242 Tones – Ch. 6)

FCC ID: A3LSMX828U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2405140039-11.A3L	Test Dates: 06/10/2024 – 07/30/2024	EUT Type: Portable Tablet	Page 101 of 112



Plot 7-131. Radiated Spurious Plot above 1GHz – MIMO (802.11ax OFDMA – 242 Tones – Ch. 11)



Plot 7-132. Radiated Spurious Plot above 18GHz – MIMO (802.11ax OFDMA – 242 Tones)

FCC ID: A3LSMX828U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2405140039-11.A3L	Test Dates: 06/10/2024 – 07/30/2024	EUT Type: Portable Tablet	Page 102 of 112

7.7.6 MIMO Radiated Spurious Emission Measurements

Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS0
 RU Index: 4
 Distance of Measurements: 3 Meters
 Operating Frequency: 2412MHz
 Channel: 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]
4824.00	Avg	H	-	-	-75.93	0.87	31.94	53.98	-22.03
4824.00	Peak	H	-	-	-65.84	0.87	42.03	73.98	-31.94
12060.00	Avg	H	-	-	-77.95	13.37	42.42	53.98	-11.55
12060.00	Peak	H	-	-	-68.36	13.37	52.01	73.98	-21.96

Table 7-33. Radiated Measurements MIMO (26 Tones)

Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS0
 RU Index: 4
 Distance of Measurements: 3 Meters
 Operating Frequency: 2437MHz
 Channel: 6

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]
4874.00	Avg	H	-	-	-75.91	0.89	31.98	53.98	-22.00
4874.00	Peak	H	-	-	-65.98	0.89	41.91	73.98	-32.07
7311.00	Avg	H	-	-	-75.19	6.35	38.16	53.98	-15.82
7311.00	Peak	H	-	-	-65.94	6.35	47.41	73.98	-26.57
12185.00	Avg	H	-	-	-77.94	12.79	41.85	53.98	-12.13
12185.00	Peak	H	-	-	-66.91	12.79	52.88	73.98	-21.10

Table 7-34. Radiated Measurements MIMO (26 Tones)

FCC ID: A3LSMX828U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2405140039-11.A3L	Test Dates: 06/10/2024 – 07/30/2024	EUT Type: Portable Tablet	Page 103 of 112

Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS0
 RU Index: 4
 Distance of Measurements: 3 Meters
 Operating Frequency: 2462MHz
 Channel: 11

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]
4924.00	Avg	H	-	-	-76.03	1.57	32.54	53.98	-21.44
4924.00	Peak	H	-	-	-66.36	1.57	42.21	73.98	-31.77
7386.00	Avg	H	-	-	-76.08	7.06	37.98	53.98	-16.00
7386.00	Peak	H	-	-	-66.41	7.06	47.65	73.98	-26.33
12310.00	Avg	H	-	-	-78.29	13.21	41.92	53.98	-12.06
12310.00	Peak	H	-	-	-67.38	13.21	52.83	73.98	-21.15

Table 7-35. Radiated Measurements MIMO (26 Tones)

Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS0
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2412MHz
 Channel: 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]
4824.00	Avg	H	-	-	-75.46	0.87	32.41	53.98	-21.56
4824.00	Peak	H	-	-	-65.83	0.87	42.04	73.98	-31.93
12060.00	Avg	H	-	-	-77.71	13.37	42.66	53.98	-11.31
12060.00	Peak	H	-	-	-67.05	13.37	53.32	73.98	-20.65

Table 7-36. Radiated Measurements MIMO (242 Tones)

FCC ID: A3LSMX828U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS0
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2437MHz
 Channel: 6

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]
4874.00	Avg	H	-	-	-75.38	0.89	32.51	53.98	-21.47
4874.00	Peak	H	-	-	-64.76	0.89	43.13	73.98	-30.85
7311.00	Avg	H	-	-	-76.27	6.35	37.08	53.98	-16.90
7311.00	Peak	H	-	-	-66.36	6.35	46.99	73.98	-26.99
12185.00	Avg	H	-	-	-77.49	12.79	42.30	53.98	-11.68
12185.00	Peak	H	-	-	-67.38	12.79	52.41	73.98	-21.57

Table 7-37. Radiated Measurements MIMO (242 Tones)

Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS0
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2462MHz
 Channel: 11

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]
4924.00	Avg	H	-	-	-75.54	1.57	33.03	53.98	-20.95
4924.00	Peak	H	-	-	-66.03	1.57	42.54	73.98	-31.44
7386.00	Avg	H	-	-	-76.29	7.06	37.77	53.98	-16.21
7386.00	Peak	H	-	-	-66.91	7.06	47.15	73.98	-26.83
12310.00	Avg	H	-	-	-78.94	13.21	41.27	53.98	-12.71
12310.00	Peak	H	-	-	-68.83	13.21	51.38	73.98	-22.60

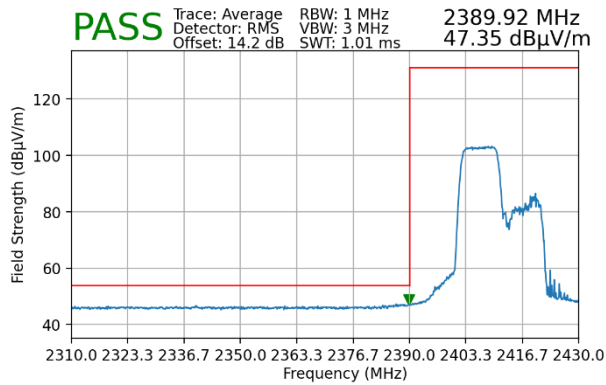
Table 7-38. Radiated Measurements MIMO (242 Tones)

FCC ID: A3LSMX828U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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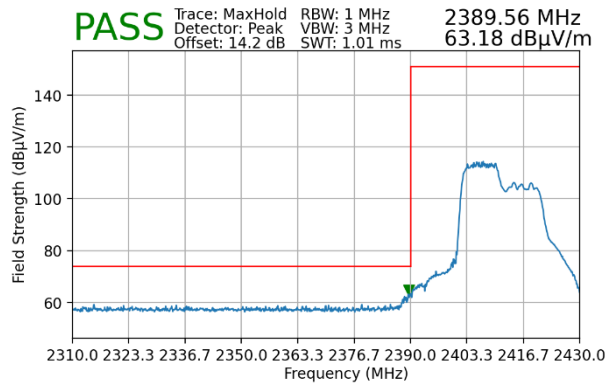
7.7.7 SISO Antenna-1 Radiated Restricted Band Edge Measurements

The radiated restricted band edge measurements are measured with an EMI test receiver connected to the receive antenna while the EUT is transmitting.

Worst Case Mode:	802.11ax OFDMA
Worst Case Transfer Rate:	MCS0
RU Index:	53
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	1

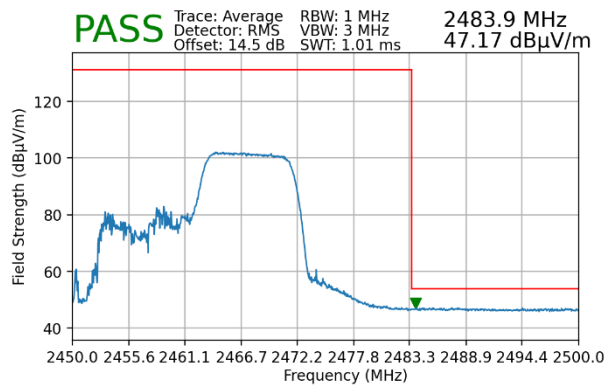


Plot 7-133. Radiated Restricted Lower Band Edge Measurement SISO ANT1 (Average – 106 Tones)

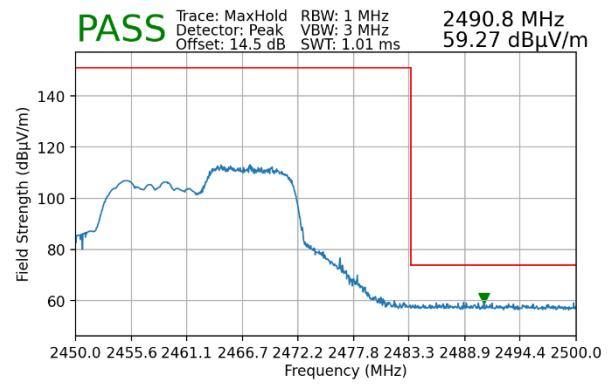


Plot 7-134. Radiated Restricted Lower Band Edge Measurement SISO ANT1 (Peak – 106 Tones)

Worst Case Mode:	802.11ax OFDMA
Worst Case Transfer Rate:	MCS0
RU Index:	54
Distance of Measurements:	3 Meters
Operating Frequency:	2462MHz
Channel:	11



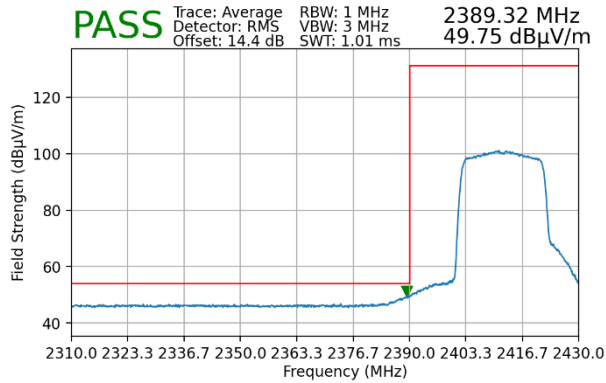
Plot 7-135. Radiated Restricted Upper Band Edge Measurement SISO ANT1 (Average – 106 Tones)



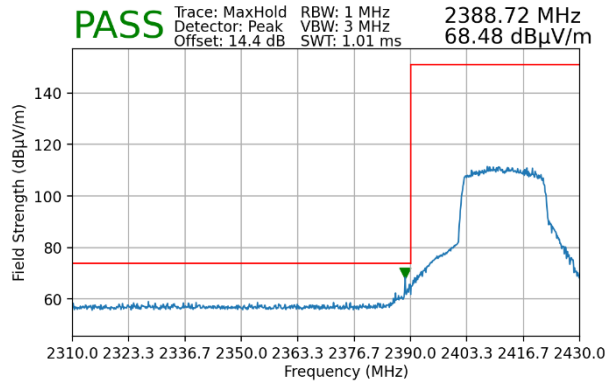
Plot 7-136. Radiated Restricted Upper Band Edge Measurement SISO ANT1 (Peak – 106 Tones)

FCC ID: A3LSMX828U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS0
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2412MHz
 Channel: 1

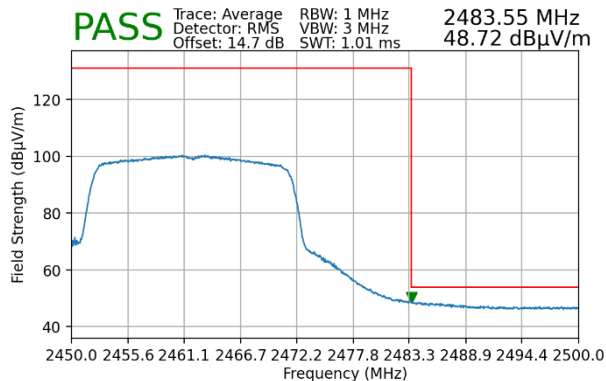


Plot 7-137. Radiated Restricted Lower Band Edge Measurement SISO ANT1 (Average – 242 Tones)

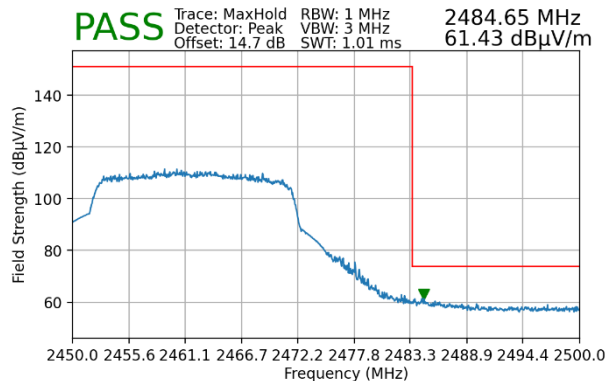


Plot 7-138. Radiated Restricted Lower Band Edge Measurement SISO ANT1 (Peak – 242 Tones)

Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS0
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2462MHz
 Channel: 11



Plot 7-139. Radiated Restricted Upper Band Edge Measurement SISO ANT1 (Average – 242 Tones)



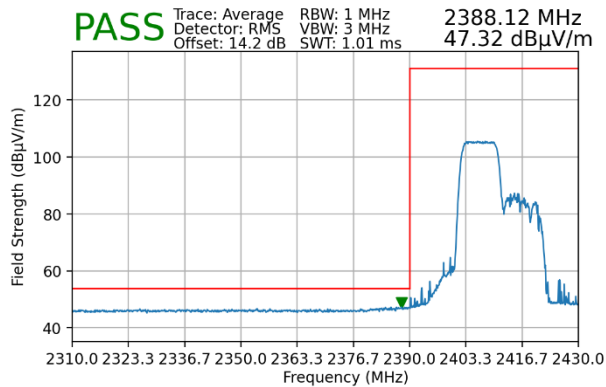
Plot 7-140. Radiated Restricted Upper Band Edge Measurement SISO ANT1 (Peak – 242 Tones)

FCC ID: A3LSMX828U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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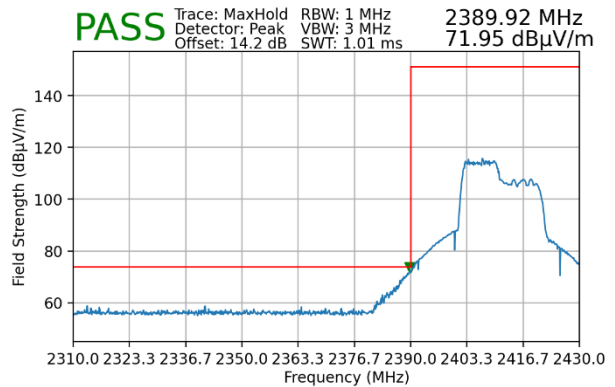
7.7.8 SISO Antenna-2 Radiated Restricted Band Edge Measurements

The radiated restricted band edge measurements are measured with an EMI test receiver connected to the receive antenna while the EUT is transmitting.

Worst Case Mode:	802.11ax OFDMA
Worst Case Transfer Rate:	MCS0
RU Index:	53
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	1

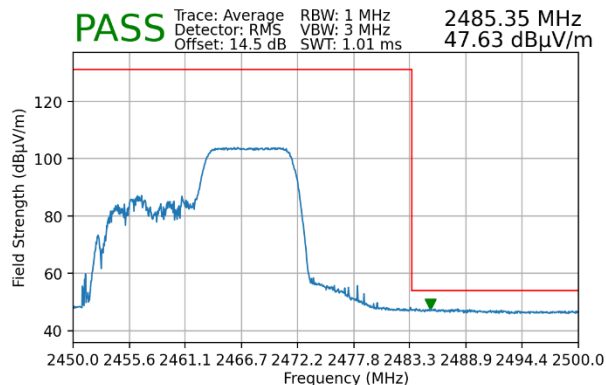


Plot 7-141. Radiated Restricted Lower Band Edge Measurement SISO ANT2 (Average – 106 Tones)

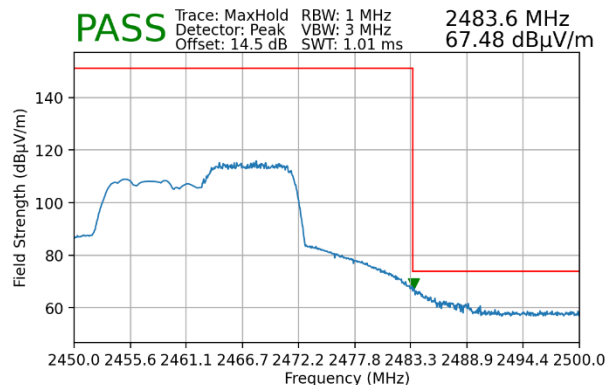


Plot 7-142. Radiated Restricted Lower Band Edge Measurement SISO ANT2 (Peak – 106 Tones)

Worst Case Mode:	802.11ax OFDMA
Worst Case Transfer Rate:	MCS0
RU Index:	54
Distance of Measurements:	3 Meters
Operating Frequency:	2462MHz
Channel:	11



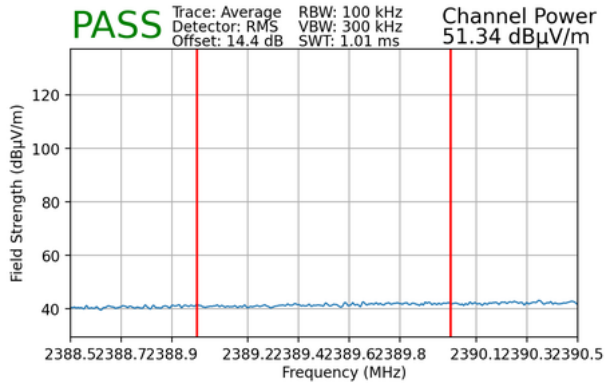
Plot 7-143. Radiated Restricted Upper Band Edge Measurement SISO ANT2 (Average – 106 Tones)



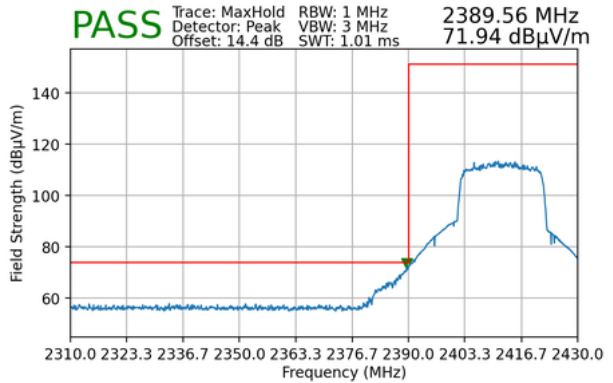
Plot 7-144. Radiated Restricted Upper Band Edge Measurement SISO ANT2 (Peak – 106 Tones)

FCC ID: A3LSMX828U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS0
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2412MHz
 Channel: 1

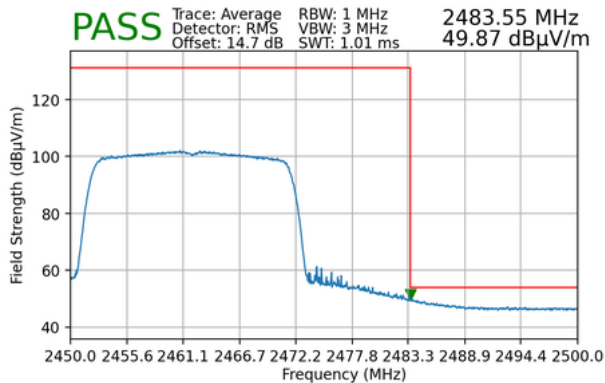


Plot 7-145. Radiated Restricted Lower Band Edge Measurement SISO ANT2 (Average – 242 Tones)

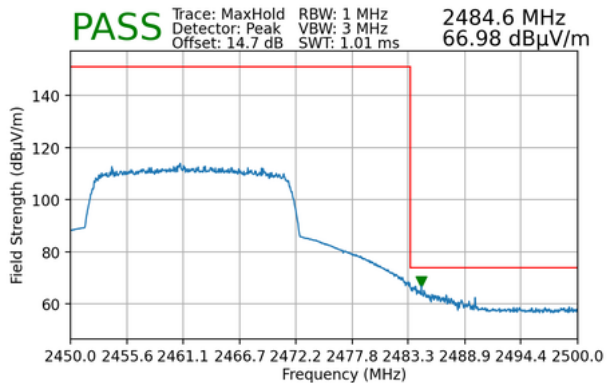


Plot 7-146. Radiated Restricted Lower Band Edge Measurement SISO ANT2 (Peak – 242 Tones)

Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS0
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2462MHz
 Channel: 11



Plot 7-147. Radiated Restricted Upper Band Edge Measurement SISO ANT2 (Average – 242 Tones)



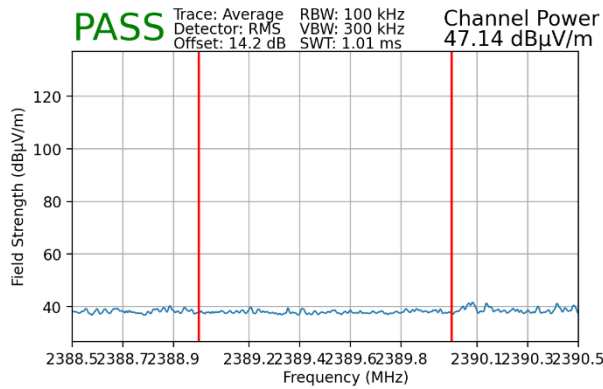
Plot 7-148. Radiated Restricted Upper Band Edge Measurement SISO ANT2 (Peak – 242 Tones)

FCC ID: A3LSMX828U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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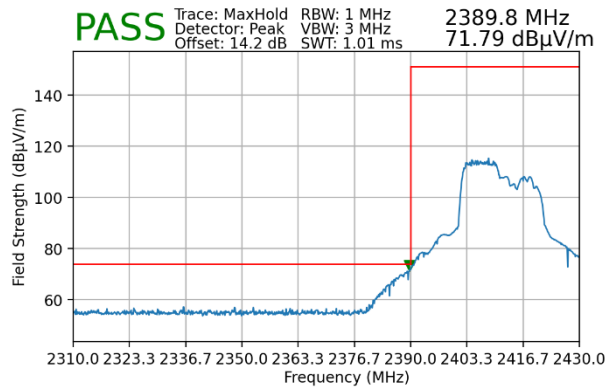
7.7.9 MIMO Radiated Restricted Band Edge Measurements

The radiated restricted band edge measurements are measured with an EMI test receiver connected to the receive antenna while the EUT is transmitting.

Worst Case Mode:	802.11ax OFDMA
Worst Case Transfer Rate:	MCS0
RU Index:	53
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	1

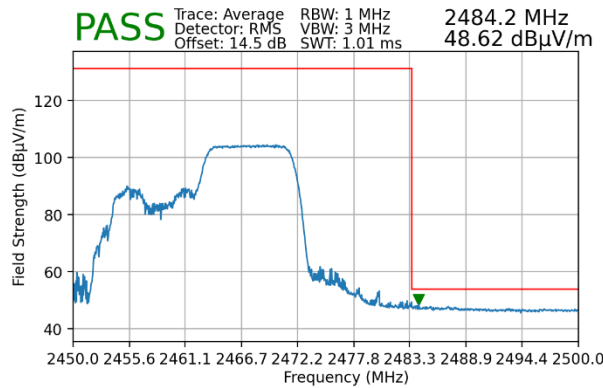


Plot 7-149. Radiated Restricted Lower Band Edge Measurement MIMO (Average – 106 Tones)

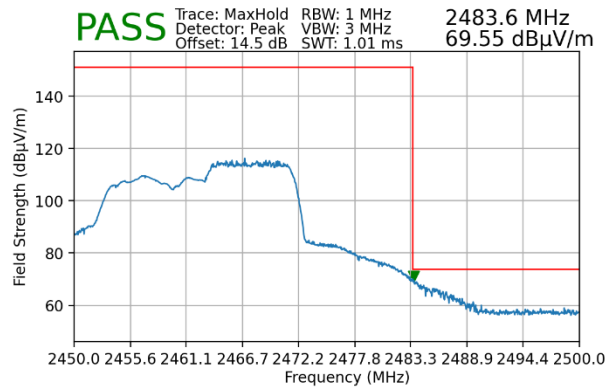


Plot 7-150. Radiated Restricted Lower Band Edge Measurement MIMO (Peak – 106 Tones)

Worst Case Mode:	802.11ax OFDMA
Worst Case Transfer Rate:	MCS0
RU Index:	54
Distance of Measurements:	3 Meters
Operating Frequency:	2462MHz
Channel:	11



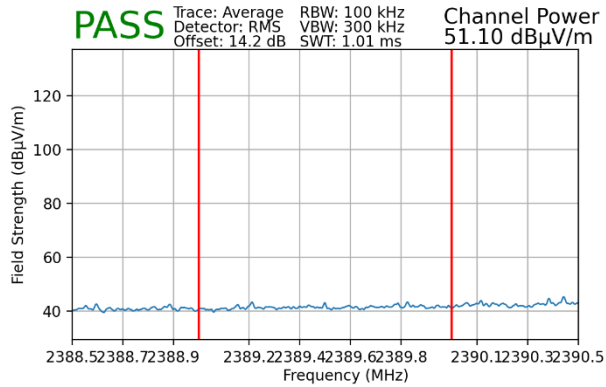
Plot 7-151. Radiated Restricted Upper Band Edge Measurement MIMO (Average – 106 Tones)



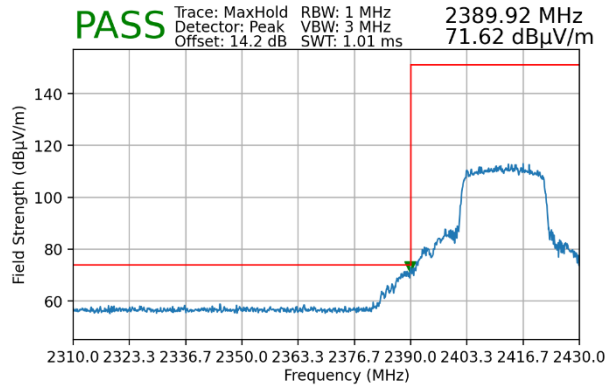
Plot 7-152. Radiated Restricted Upper Band Edge Measurement MIMO (Peak – 106 Tones)

FCC ID: A3LSMX828U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS0
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2412MHz
 Channel: 1

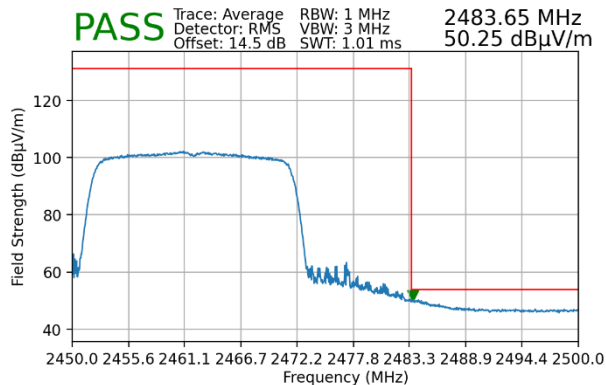


Plot 7-153. Radiated Restricted Lower Band Edge Measurement MIMO (Average – 242 Tones)

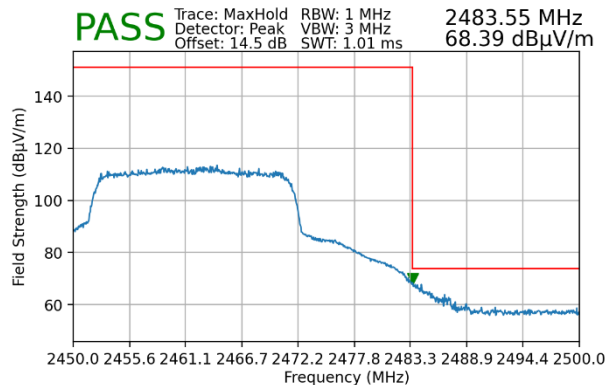


Plot 7-154. Radiated Restricted Lower Band Edge Measurement MIMO (Peak – 242 Tones)

Worst Case Mode: 802.11ax OFDMA
 Worst Case Transfer Rate: MCS0
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 2462MHz
 Channel: 11



Plot 7-155. Radiated Restricted Upper Band Edge Measurement MIMO (Average – 242 Tones)



Plot 7-156. Radiated Restricted Upper Band Edge Measurement MIMO (Peak – 242 Tones)

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8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Samsung Portable Tablet FCC ID: A3LSMX828U** is in compliance with Part 15 Subpart C (15.247) of the FCC Rules.

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Test Report S/N: 1M2405140039-11.A3L	Test Dates: 06/10/2024 – 07/30/2024	EUT Type: Portable Tablet	Page 112 of 112