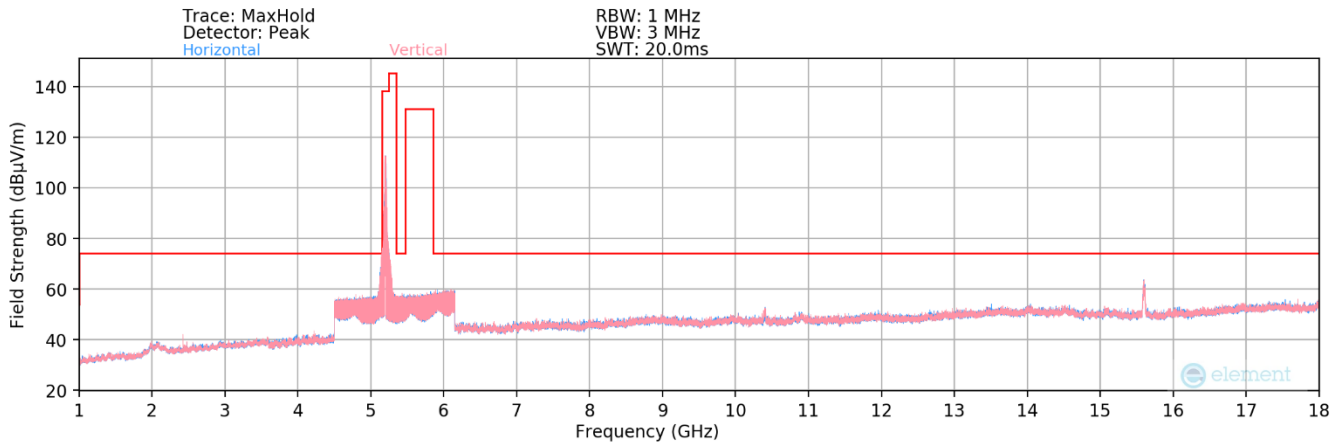
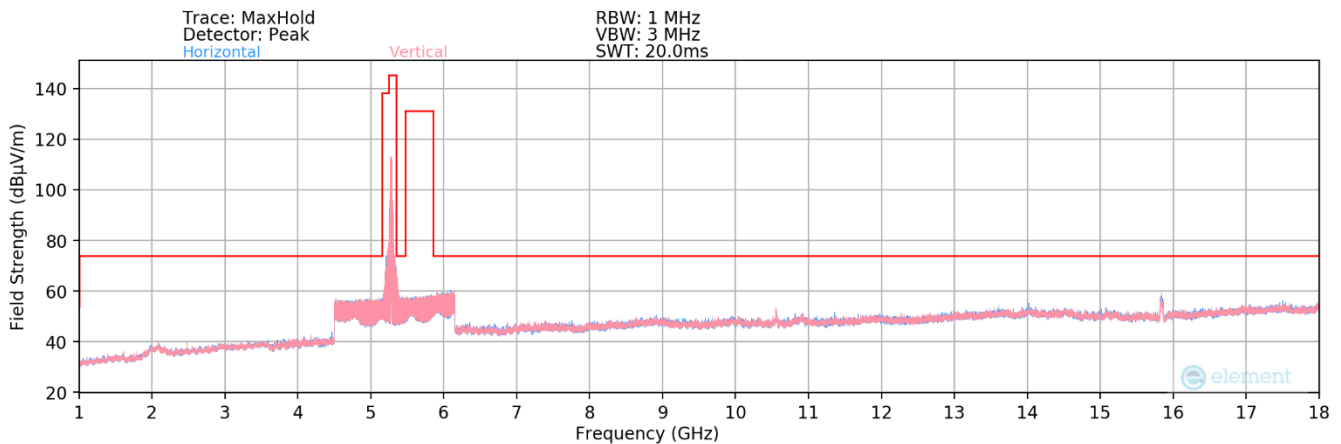


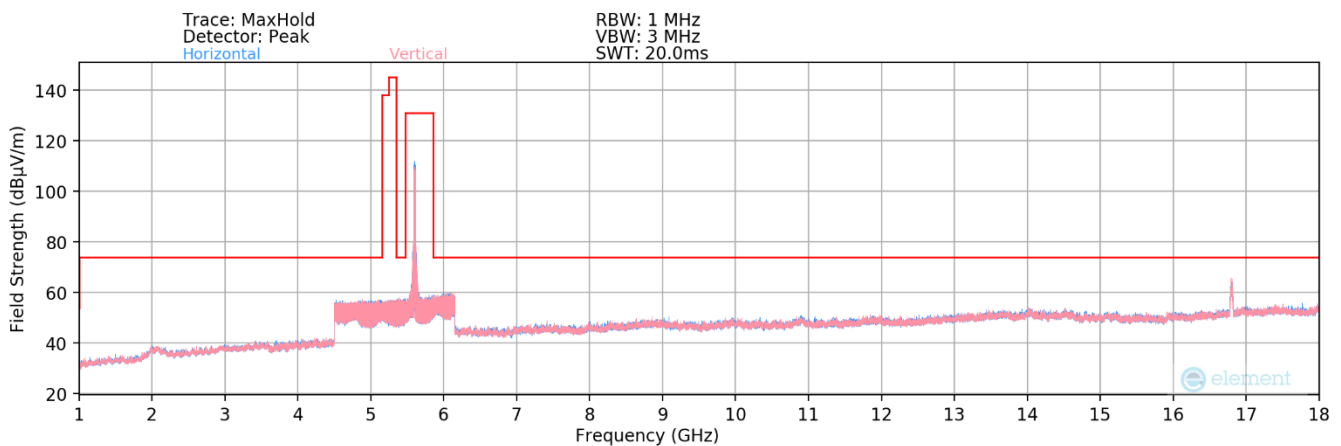
7.6.2 MIMO Radiated Spurious Emission Measurements (242 Tones)



Plot 7-308. Radiated Spurious Plot above 1GHz MIMO (802.11ax – UNII 1 Ch. 40)

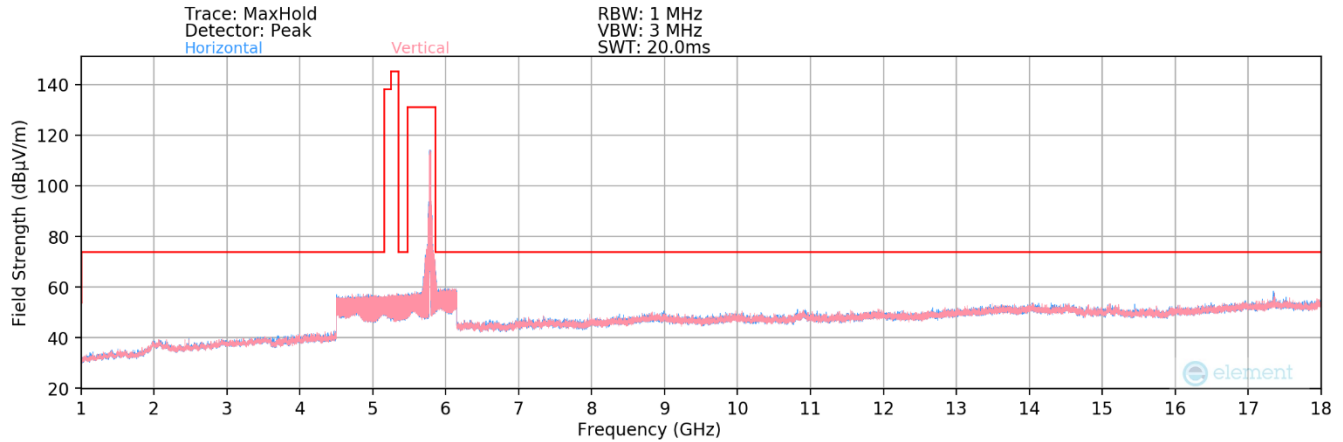


Plot 7-309. Radiated Spurious Plot above 1GHz MIMO (802.11ax – UNII 2A Ch. 56)

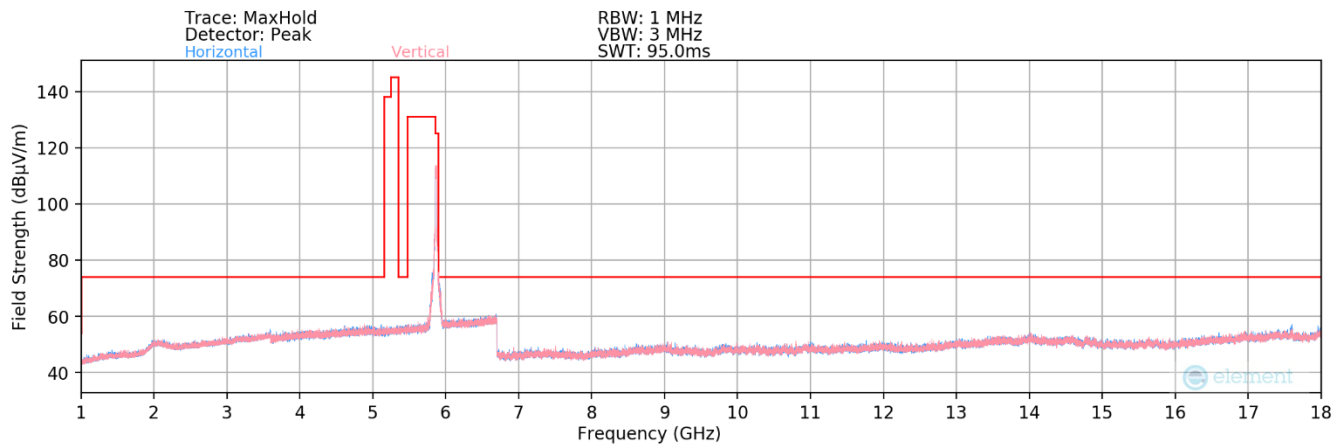


Plot 7-310. Radiated Spurious Plot above 1GHz MIMO (802.11ax – UNII 2C Ch. 120)

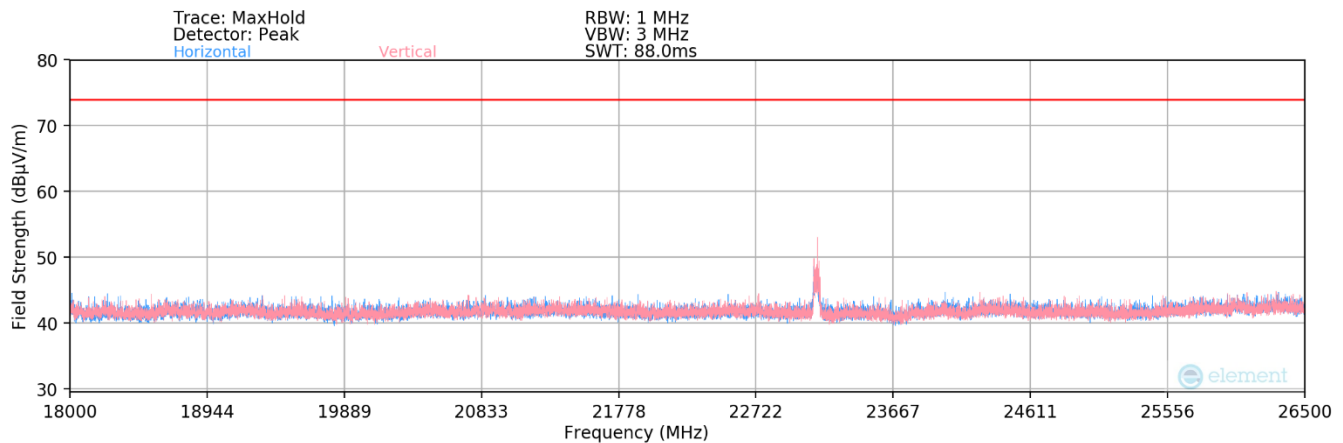
FCC ID: A3LSMX910	MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-311. Radiated Spurious Plot above 1GHz MIMO (802.11ax – UNII 3 Ch. 157)

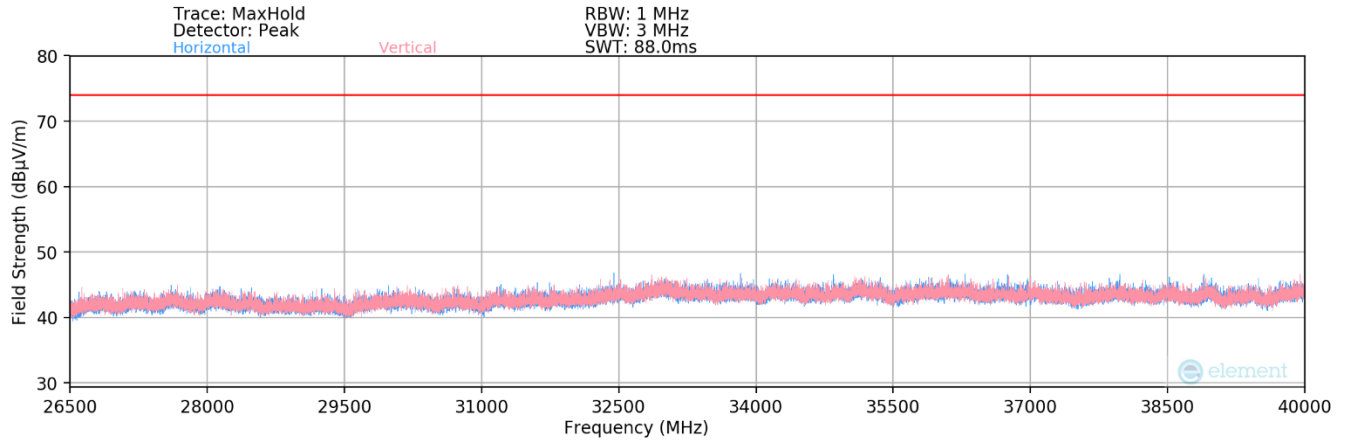


Plot 7-312. Radiated Spurious Plot above 1GHz MIMO (802.11ax – UNII 4 Ch. 173)



Plot 7-313. Radiated Spurious Plot 18GHz - 26.5GHz (802.11ax)

FCC ID: A3LSMX910	MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-314. Radiated Spurious Plot 26.5GHz - 40GHz (802.11ax)

FCC ID: A3LSMX910	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2303200036-07.A3L	Test Dates: 04/03/2023 - 05/12/2023	EUT Type: Portable Tablet	Page 208 of 235

MIMO Radiated Spurious Emission Measurements (242 Tones) – UNII 1

Worst Case Mode: 802.11ax (20MHz BW)
 Worst Case Transfer Rate: MCS0
 RU Index: 4
 Distance of Measurements: 1 & 3 Meters
 Operating Frequency: 5180MHz
 Channel: 36

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]
10360.00	Peak	V	345	30	-62.22	11.65	0.00	56.43	68.20	-11.77
* 15540.00	Average	V	332	351	-70.88	14.50	0.00	50.62	53.98	-3.36
* 15540.00	Peak	V	332	351	-55.82	14.50	0.00	65.68	73.98	-8.30
* 20720.00	Average	V	150	240	-55.04	-3.38	-9.54	39.04	53.98	-14.94
* 20720.00	Peak	V	150	240	-41.81	-3.38	-9.54	52.27	73.98	-21.71
25900.00	Peak	V	-	-	-50.39	-2.56	-9.54	44.51	68.20	-23.69

Table 7-66. Radiated Measurements MIMO (242 Tones)

Worst Case Mode: 802.11ax (20MHz BW)
 Worst Case Transfer Rate: MCS0
 RU Index: 4
 Distance of Measurements: 1 & 3 Meters
 Operating Frequency: 5200MHz
 Channel: 40

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]
10400.00	Peak	V	126	179	-63.45	11.68	0.00	55.23	68.20	-12.97
* 15600.00	Average	V	115	153	-72.81	14.41	0.00	48.60	53.98	-5.38
* 15600.00	Peak	V	115	153	-57.74	14.41	0.00	63.67	73.98	-10.31
* 20800.00	Average	V	150	244	-56.31	-3.33	-9.54	37.81	53.98	-16.16
* 20800.00	Peak	V	150	244	-42.89	-3.33	-9.54	51.23	73.98	-22.74
26000.00	Peak	V	-	-	-51.84	-2.36	-9.54	43.26	68.20	-24.94

Table 7-67. Radiated Measurements MIMO (242 Tones)

FCC ID: A3LSMX910	MEASUREMENT REPORT		Approved by: Technical Manager
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Worst Case Mode: 802.11ax (20MHz BW)
 Worst Case Transfer Rate: MCS0
 RU Index: 4
 Distance of Measurements: 1 & 3 Meters
 Operating Frequency: 5240MHz
 Channel: 48

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]
10480.00	Peak	V	-	-	-70.22	12.23	0.00	49.01	68.20	-19.19
* 15720.00	Average	V	-	-	-81.33	14.54	0.00	40.21	53.98	-13.77
* 15720.00	Peak	V	-	-	-70.36	14.54	0.00	51.18	73.98	-22.80
* 20960.00	Average	V	150	253	-53.21	-3.46	-9.54	40.78	53.98	-13.19
* 20960.00	Peak	V	150	253	-40.85	-3.46	-9.54	53.14	73.98	-20.83
26200.00	Peak	V	-	-	-51.26	-2.36	-9.54	43.83	68.20	-24.37

Table 7-68. Radiated Measurements MIMO (242 Tones)

FCC ID: A3LSMX910	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2303200036-07.A3L	Test Dates: 04/03/2023 - 05/12/2023	EUT Type: Portable Tablet	Page 210 of 235



MIMO Radiated Spurious Emission Measurements (242 Tones) – UNII 2A

Worst Case Mode: 802.11ax (20MHz BW)
 Worst Case Transfer Rate: MCS0
 RU Index: 4
 Distance of Measurements: 1 & 3 Meters
 Operating Frequency: 5260MHz
 Channel: 52

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]
10520.00	Peak	V	-	-	-70.23	12.69	0.00	49.46	68.20	-18.74
* 15780.00	Average	V	-	-	-81.36	14.92	0.00	40.56	53.98	-13.42
* 15780.00	Peak	V	-	-	-71.01	14.92	0.00	50.91	73.98	-23.07
* 21040.00	Average	V	150	254	-52.09	-3.51	-9.54	41.86	53.98	-12.12
* 21040.00	Peak	V	150	254	-40.12	-3.51	-9.54	53.83	73.98	-20.15
26300.00	Peak	V	-	-	-51.77	-2.27	-9.54	43.42	68.20	-24.78

Table 7-69. Radiated Measurements MIMO (242 Tones)

Worst Case Mode: 802.11ax (20MHz BW)
 Worst Case Transfer Rate: MCS0
 RU Index: 4
 Distance of Measurements: 1 & 3 Meters
 Operating Frequency: 5280MHz
 Channel: 56

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]
10560.00	Peak	V	111	178	-63.20	12.25	0.00	56.05	68.20	-12.15
* 15840.00	Average	V	134	157	-72.41	14.51	0.00	49.10	53.98	-4.88
* 15840.00	Peak	V	134	157	-57.61	14.51	0.00	63.90	73.98	-10.08
* 21120.00	Average	V	150	253	-51.10	-3.46	-9.54	42.89	53.98	-11.09
* 21120.00	Peak	V	150	253	-38.58	-3.46	-9.54	55.41	73.98	-18.57
26400.00	Peak	V	-	-	-51.85	-2.37	-9.54	43.24	68.20	-24.96

Table 7-70. Radiated Measurements MIMO (242 Tones)

FCC ID: A3LSMX910	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2303200036-07.A3L	Test Dates: 04/03/2023 - 05/12/2023	EUT Type: Portable Tablet	Page 211 of 235

Worst Case Mode: 802.11ax (20MHz BW)
 Worst Case Transfer Rate: MCS0
 RU Index: 4
 Distance of Measurements: 1 & 3 Meters
 Operating Frequency: 5320MHz
 Channel: 64

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]
* 10640.00	Average	V	-	-	-81.23	12.01	0.00	37.78	53.98	-16.20
* 10640.00	Peak	V	-	-	-70.17	12.01	0.00	48.84	73.98	-25.14
* 15960.00	Average	V	-	-	-81.33	15.87	0.00	41.54	53.98	-12.44
* 15960.00	Peak	V	-	-	-70.19	15.87	0.00	52.68	73.98	-21.30
* 21280.00	Average	V	150	257	-52.09	-3.34	-9.54	42.03	53.98	-11.95
* 21280.00	Peak	V	150	257	-37.22	-3.34	-9.54	56.90	73.98	-17.08
26600.00	Peak	V	-	-	-51.72	-2.27	-9.54	43.47	68.20	-24.73

Table 7-71. Radiated Measurements MIMO (242 Tones)

FCC ID: A3LSMX910	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2303200036-07.A3L	Test Dates: 04/03/2023 - 05/12/2023	EUT Type: Portable Tablet	Page 212 of 235

MIMO Radiated Spurious Emission Measurements (242 Tones) – UNII 2C

Worst Case Mode: 802.11ax (20MHz BW)
 Worst Case Transfer Rate: MCS0
 RU Index: 4
 Distance of Measurements: 1 & 3 Meters
 Operating Frequency: 5500MHz
 Channel: 100

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]
* 11000.00	Average	V	326	349	-79.05	12.13	0.00	40.08	53.98	-13.90
* 11000.00	Peak	V	326	349	-65.49	12.13	0.00	53.64	73.98	-20.34
16500.00	Peak	V	326	349	-58.81	16.13	0.00	64.32	68.20	-3.88
22000.00	Peak	V	150	249	-37.88	-3.89	-9.54	55.69	68.20	-12.51
27500.00	Peak	V	-	-	-51.75	-1.17	-9.54	44.54	68.20	-23.66

Table 7-72. Radiated Measurements MIMO (242 Tones)

Worst Case Mode: 802.11ax (20MHz BW)
 Worst Case Transfer Rate: MCS0
 RU Index: 4
 Distance of Measurements: 1 & 3 Meters
 Operating Frequency: 5600MHz
 Channel: 120

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]
* 11200.00	Average	V	336	342	-79.77	12.24	0.00	39.47	53.98	-14.51
* 11200.00	Peak	V	336	342	-66.10	12.24	0.00	53.14	73.98	-20.84
16800.00	Peak	V	332	350	-60.31	16.46	0.00	63.15	68.20	-5.05
* 22400.00	Average	V	150	250	-48.69	-3.57	-9.54	45.19	53.98	-8.79
* 22400.00	Peak	V	150	250	-35.65	-3.57	-9.54	58.23	73.98	-15.75
28000.00	Peak	V	-	-	-52.63	-0.89	-9.54	43.94	68.20	-24.26

Table 7-73. Radiated Measurements MIMO (242 Tones)

FCC ID: A3LSMX910	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2303200036-07.A3L	Test Dates: 04/03/2023 - 05/12/2023	EUT Type: Portable Tablet	Page 213 of 235



Worst Case Mode: 802.11ax (20MHz BW)
 Worst Case Transfer Rate: MCS0
 RU Index: 4
 Distance of Measurements: 1 & 3 Meters
 Operating Frequency: 5720MHz
 Channel: 144

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]
* 11440.00	Average	V	338	343	-79.33	12.95	0.00	40.62	53.98	-13.36
* 11440.00	Peak	V	338	343	-67.01	12.95	0.00	52.94	73.98	-21.04
17160.00	Peak	V	333	350	-61.21	16.76	0.00	62.55	68.20	-5.65
* 22880.00	Average	V	150	257	-56.54	-3.59	-9.54	37.33	53.98	-16.65
* 22880.00	Peak	V	150	257	-45.07	-3.59	-9.54	48.80	73.98	-25.18
28600.00	Peak	V	-	-	-52.62	-1.17	-9.54	43.66	68.20	-24.54

Table 7-74. Radiated Measurements MIMO (242 Tones)

FCC ID: A3LSMX910	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2303200036-07.A3L	Test Dates: 04/03/2023 - 05/12/2023	EUT Type: Portable Tablet	Page 214 of 235



MIMO Radiated Spurious Emission Measurements (242 Tones) – UNII 3

Worst Case Mode: 802.11ax (20MHz BW)
 Worst Case Transfer Rate: MCS0
 RU Index: 4
 Distance of Measurements: 1 & 3 Meters
 Operating Frequency: 5745MHz
 Channel: 149

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]
* 11490.00	Average	V	327	340	-78.69	12.89	0.00	41.20	53.98	-12.78
* 11490.00	Peak	V	327	340	-68.11	12.89	0.00	51.78	73.98	-22.20
17235.00	Peak	V	-	-	-67.88	16.94	0.00	56.06	68.20	-12.14
* 22980.00	Average	V	150	294	-55.11	-3.58	-9.54	38.77	53.98	-15.21
* 22980.00	Peak	V	150	294	-43.66	-3.58	-9.54	50.22	73.98	-23.76
28725.00	Peak	V	-	-	-52.93	-1.17	-9.54	43.36	68.20	-24.84

Table 7-75. Radiated Measurements MIMO (242 Tones)

Worst Case Mode: 802.11ax (20MHz BW)
 Worst Case Transfer Rate: MCS0
 RU Index: 4
 Distance of Measurements: 1 & 3 Meters
 Operating Frequency: 5785MHz
 Channel: 157

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]
* 11570.00	Average	V	317	333	-77.86	12.68	0.00	41.82	53.98	-12.16
* 11570.00	Peak	V	317	333	-67.74	12.68	0.00	51.94	73.98	-22.04
17355.00	Peak	V	333	324	-67.88	17.64	0.00	56.76	68.20	-11.44
23140.00	Peak	V	150	279	-42.48	-3.58	-9.54	51.40	68.20	-16.80
28925.00	Peak	V	-	-	-52.43	-1.09	-9.54	43.93	68.20	-24.27

Table 7-76. Radiated Measurements MIMO (242 Tones)

FCC ID: A3LSMX910	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2303200036-07.A3L	Test Dates: 04/03/2023 - 05/12/2023	EUT Type: Portable Tablet	Page 215 of 235

Worst Case Mode: 802.11ax (20MHz BW)
 Worst Case Transfer Rate: MCS0
 RU Index: 4
 Distance of Measurements: 1 & 3 Meters
 Operating Frequency: 5825MHz
 Channel: 165

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]
* 11650.00	Average	V	321	329	-78.14	13.21	0.00	42.07	53.98	-11.91
* 11650.00	Peak	V	321	329	-68.11	13.21	0.00	52.10	73.98	-21.88
17475.00	Peak	V	333	324	-67.88	17.12	0.00	56.24	68.20	-11.96
23300.00	Peak	V	150	280	-41.43	-3.59	-9.54	52.43	68.20	-15.77
29125.00	Peak	V	-	-	-52.27	-0.90	-9.54	44.29	68.20	-23.91

Table 7-77. Radiated Measurements MIMO (242 Tones)

FCC ID: A3LSMX910	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2303200036-07.A3L	Test Dates: 04/03/2023 - 05/12/2023	EUT Type: Portable Tablet	Page 216 of 235

MIMO Radiated Spurious Emission Measurements (242 Tones) – UNII 4

Worst Case Mode: 802.11ax (20MHz BW)
 Worst Case Transfer Rate: MCS0
 RU Index: 4
 Distance of Measurements: 1 & 3 Meters
 Operating Frequency: 5845MHz
 Channel: 169

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]
* 11690.00	Average	V	-	-	-81.90	13.23	0.00	38.33	53.98	-15.65
* 11690.00	Peak	V	-	-	-69.85	13.23	0.00	50.38	73.98	-23.60
17535.00	Peak	V	-	-	-69.75	17.25	0.00	54.50	68.20	-13.70
23380.00	Peak	V	150	201	-44.86	-3.60	-9.54	58.54	68.20	-9.66
29225.00	Peak	V	-	-	-53.30	-0.85	-9.54	52.85	68.20	-15.35
35070.00	Peak	V	-	-	-50.41	-0.28	-9.54	56.31	68.20	-11.89

Table 7-78. Radiated Measurements MIMO (242 Tones)

Worst Case Mode: 802.11ax (20MHz BW)
 Worst Case Transfer Rate: MCS0
 RU Index: 4
 Distance of Measurements: 1 & 3 Meters
 Operating Frequency: 5865MHz
 Channel: 173

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]
* 11730.00	Average	V	-	-	-82.45	13.85	0.00	38.40	53.98	-15.58
* 11730.00	Peak	V	-	-	-70.26	13.85	0.00	50.59	73.98	-23.39
17595.00	Peak	V	-	-	-69.41	17.42	0.00	55.01	68.20	-13.19
23460.00	Peak	V	150	277	-44.88	-3.67	-9.54	58.45	68.20	-9.75
29325.00	Peak	V	-	-	-52.78	-0.75	-9.54	53.47	68.20	-14.73
35190.00	Peak	V	-	-	-50.97	-0.26	-9.54	55.77	68.20	-12.43

Table 7-79. Radiated Measurements MIMO (242 Tones)

FCC ID: A3LSMX910	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2303200036-07.A3L	Test Dates: 04/03/2023 - 05/12/2023	EUT Type: Portable Tablet	Page 217 of 235



Worst Case Mode: 802.11ax (20MHz BW)
 Worst Case Transfer Rate: MCS0
 RU Index: 4
 Distance of Measurements: 1 & 3 Meters
 Operating Frequency: 5885MHz
 Channel: 177

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]
* 11770.00	Average	V	-	-	-81.36	13.84	0.00	39.48	53.98	-14.50
* 11770.00	Peak	V	-	-	-69.17	13.84	0.00	51.67	73.98	-22.31
17655.00	Peak	V	-	-	-69.32	17.06	0.00	54.74	68.20	-13.46
23540.00	Peak	V	150	277	-45.46	-3.66	-9.54	57.88	68.20	-10.32
29425.00	Peak	V	-	-	-53.90	-0.72	-9.54	52.38	68.20	-15.82
35310.00	Peak	V	-	-	-51.57	-0.27	-9.54	55.16	68.20	-13.04

Table 7-80. Radiated Measurements MIMO (242 Tones)

FCC ID: A3LSMX910	MEASUREMENT REPORT		Approved by: Technical Manager
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Worst Case Mode: 802.11ax (20MHz BW)
 Worst Case Transfer Rate: MCS0
 RU Index: 4
 Distance of Measurements: 1 & 3 Meters
 Operating Frequency: 5320MHz
 Channel: 64

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]
10360.00	Peak	V	352	32	-62.60	11.65	0.00	56.05	68.20	-12.15
* 15540.00	Average	V	355	193	-74.17	14.50	0.00	47.33	53.98	-6.65
* 15540.00	Peak	V	355	193	-61.59	14.50	0.00	59.91	73.98	-14.07
* 20720.00	Average	V	-	-	-65.61	3.50	-9.54	35.35	53.98	-18.63
* 20720.00	Peak	V	-	-	-53.94	3.50	-9.54	47.03	73.98	-26.95
25900.00	Peak	V	-	-	-55.51	4.57	-9.54	46.52	68.20	-21.68

Table 7-81. Radiated Measurements MIMO (242 Tones) – With Keyboard Open

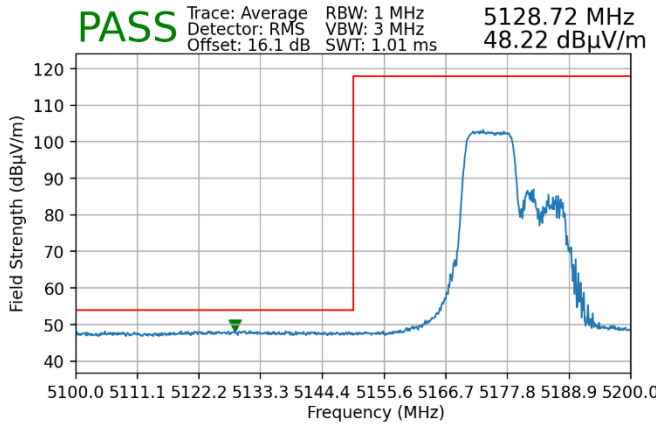
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
10360.00	Peak	V	126	173	-63.21	11.65	0.00	55.44	68.20	-12.76
* 15540.00	Average	V	246	203	-73.72	14.50	0.00	47.78	53.98	-6.20
* 15540.00	Peak	V	246	203	-58.72	14.50	0.00	62.78	73.98	-11.20
* 20720.00	Average	V	-	-	-66.15	3.50	-9.54	34.81	53.98	-19.17
* 20720.00	Peak	V	-	-	-55.97	3.50	-9.54	44.99	73.98	-28.99
25900.00	Peak	V	-	-	-55.03	4.57	-9.54	47.00	68.20	-21.20

Table 7-82. Radiated Measurements MIMO (242 Tones) – With Keyboard Closed

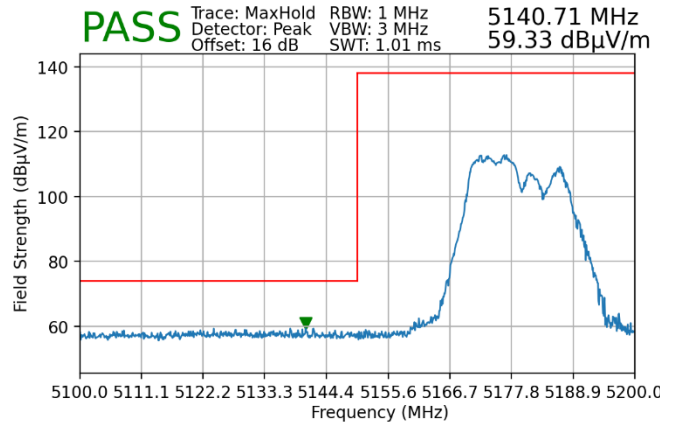
FCC ID: A3LSMX910	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2303200036-07.A3L	Test Dates: 04/03/2023 - 05/12/2023	EUT Type: Portable Tablet	Page 219 of 235

7.6.3 MIMO Radiated Band Edge Measurements (20MHz BW – Partial Tone – 106T)

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index:	53
Distance of Measurements:	3 Meters
Operating Frequency:	5180MHz
Channel:	36

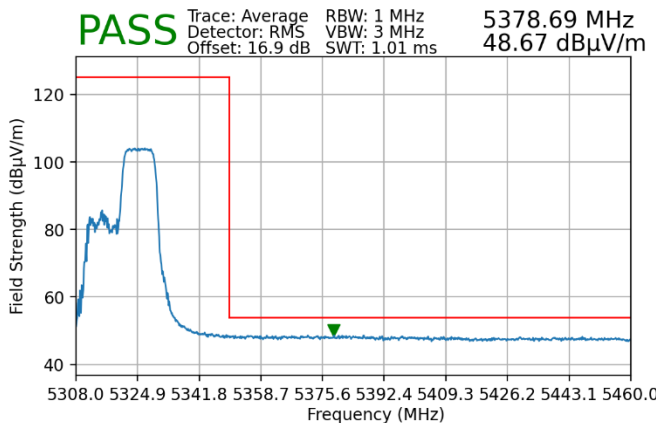


Plot 7-315. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 106 Tones)

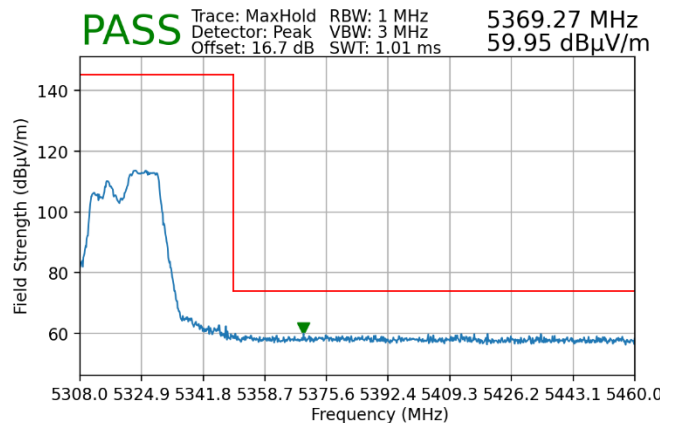


Plot 7-316. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1 – 106 Tones)

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index:	54
Distance of Measurements:	3 Meters
Operating Frequency:	5320MHz
Channel:	64



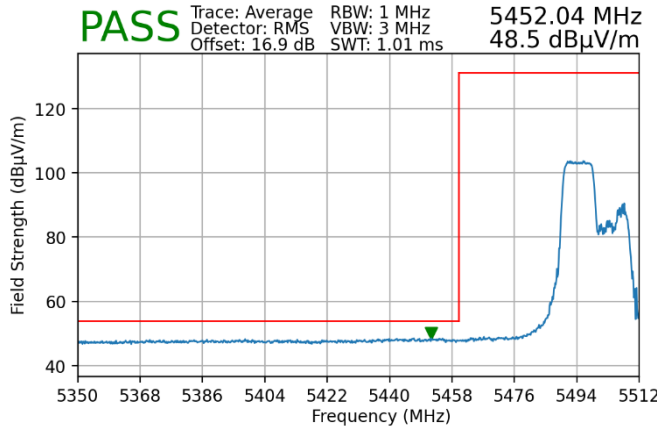
Plot 7-317. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A – 106 Tones)



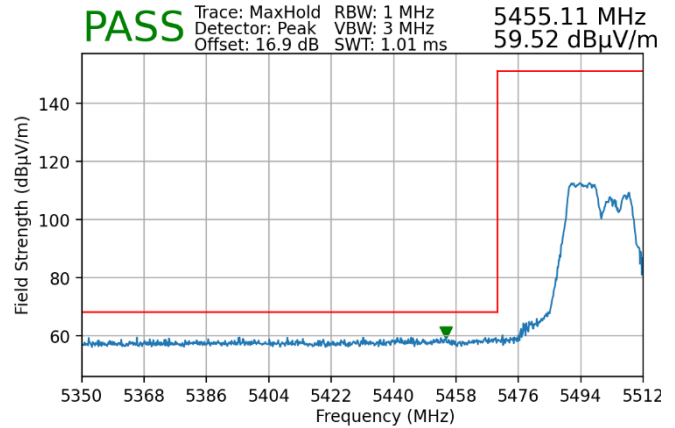
Plot 7-318. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 106 Tones)

FCC ID: A3LSMX910	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2303200036-07.A3L	Test Dates: 04/03/2023 - 05/12/2023	EUT Type: Portable Tablet	Page 220 of 235

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index:	53
Distance of Measurements:	3 Meters
Operating Frequency:	5500MHz
Channel:	100

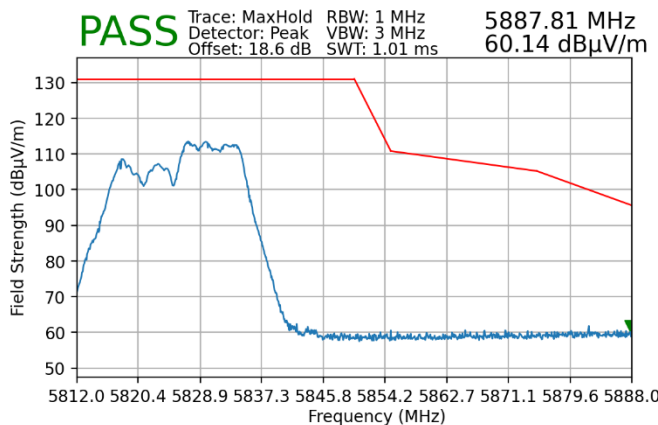


Plot 7-319. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C – 106 Tones)



Plot 7-320. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C – 106 Tones)

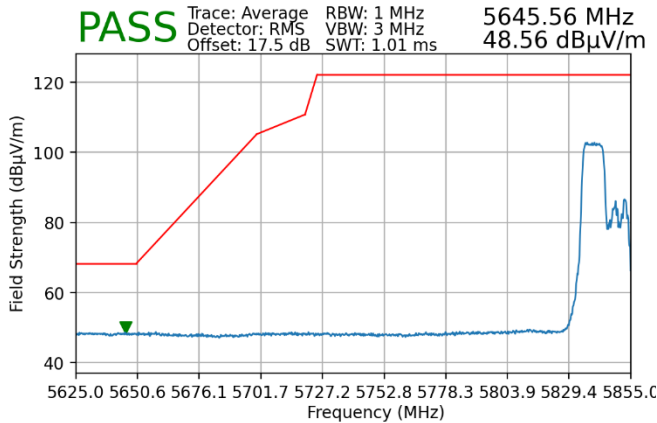
Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index:	54
Distance of Measurements:	3 Meters
Operating Frequency:	5825MHz
Channel:	165



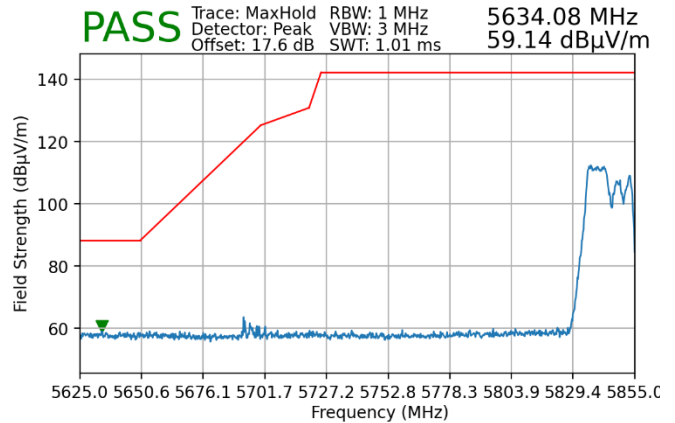
Plot 7-321. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 3 – 106 Tones)

FCC ID: A3LSMX910	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2303200036-07.A3L	Test Dates: 04/03/2023 - 05/12/2023	EUT Type: Portable Tablet	Page 221 of 235

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS0
 RU Index: 53
 Distance of Measurements: 3 Meters
 Operating Frequency: 5845MHz
 Channel: 169

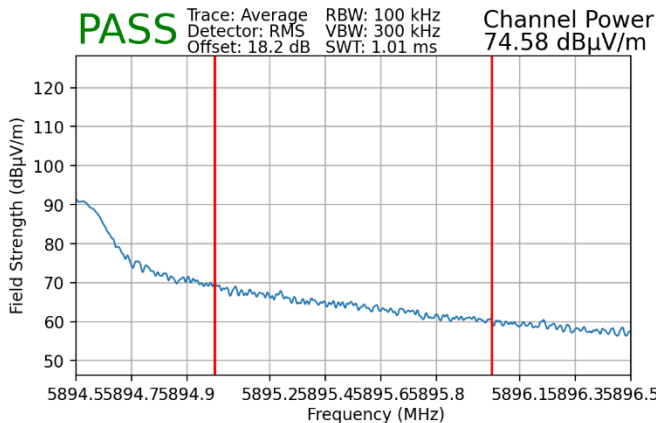


Plot 7-322. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 4 – 106 Tones)

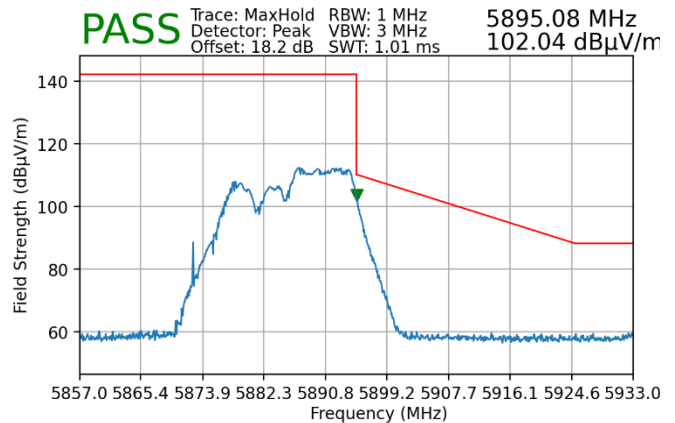


Plot 7-323. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 4 – 106 Tones)

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS0
 RU Index: 54
 Distance of Measurements: 3 Meters
 Operating Frequency: 5885MHz
 Channel: 177



Plot 7-324. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 4 – 106 Tones)

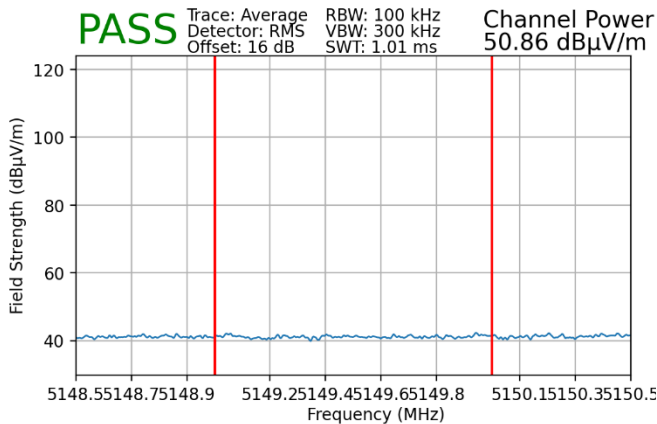


Plot 7-325. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 4 – 106 Tones)

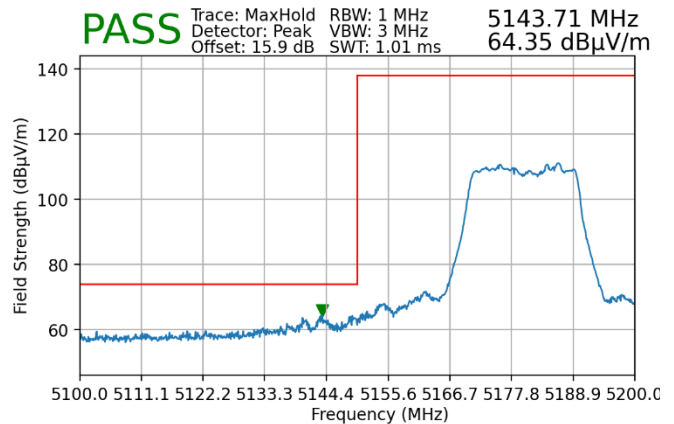
FCC ID: A3LSMX910	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2303200036-07.A3L	Test Dates: 04/03/2023 - 05/12/2023	EUT Type: Portable Tablet	Page 222 of 235

7.6.4 MIMO Radiated Band Edge Measurements (20MHz BW – Full Tone – 242T)

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	5180MHz
Channel:	36

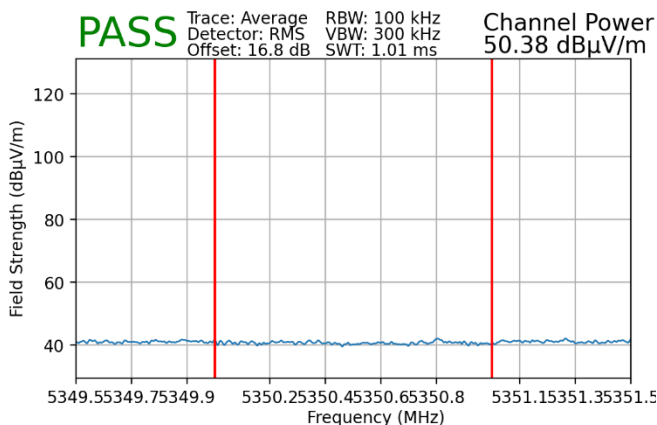


Plot 7-326. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 242 Tones)

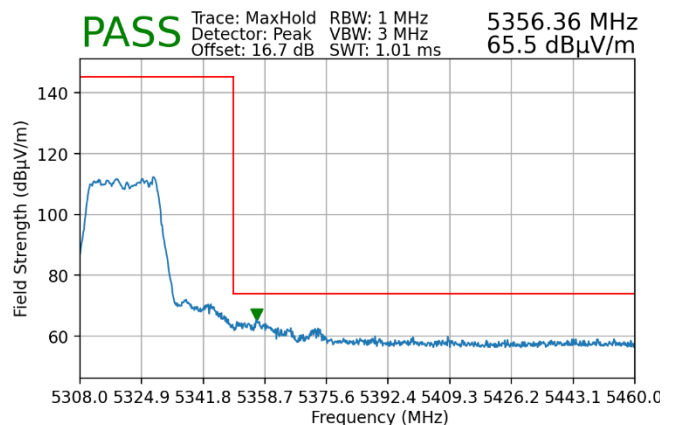


Plot 7-327. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1 – 242 Tones)

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	5320MHz
Channel:	64



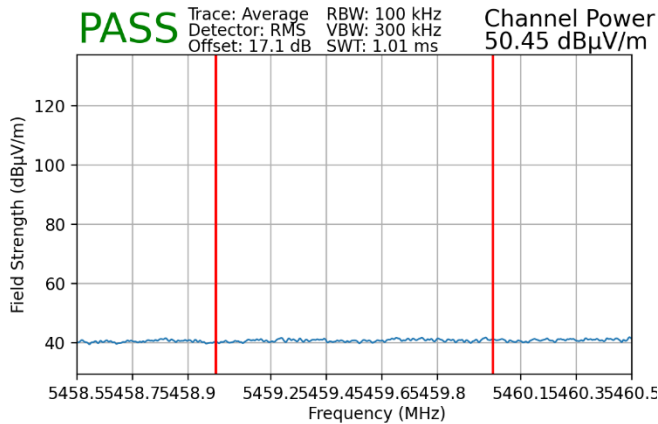
Plot 7-328. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A – 242 Tones)



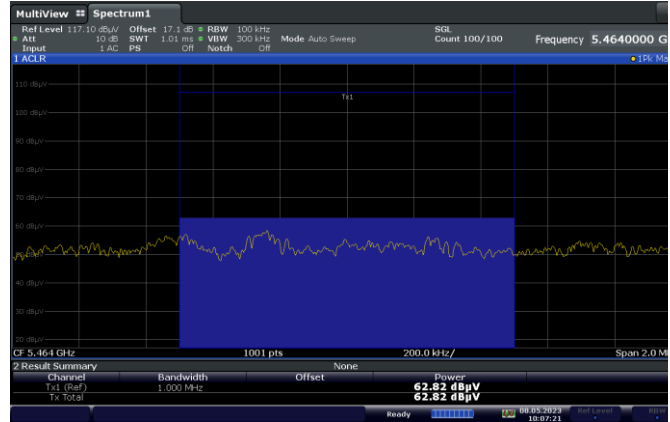
Plot 7-329. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 242 Tones)

FCC ID: A3LSMX910	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2303200036-07.A3L	Test Dates: 04/03/2023 - 05/12/2023	EUT Type: Portable Tablet	Page 223 of 235

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	5500MHz
Channel:	100

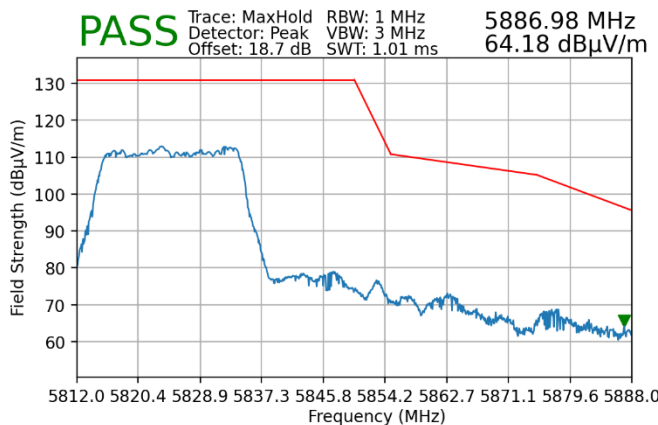


Plot 7-330. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C – 242 Tones)



Plot 7-331. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C – 242 Tones)

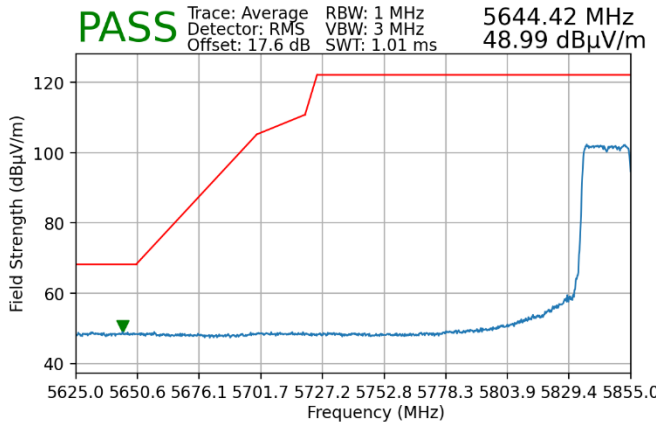
Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	5825MHz
Channel:	165



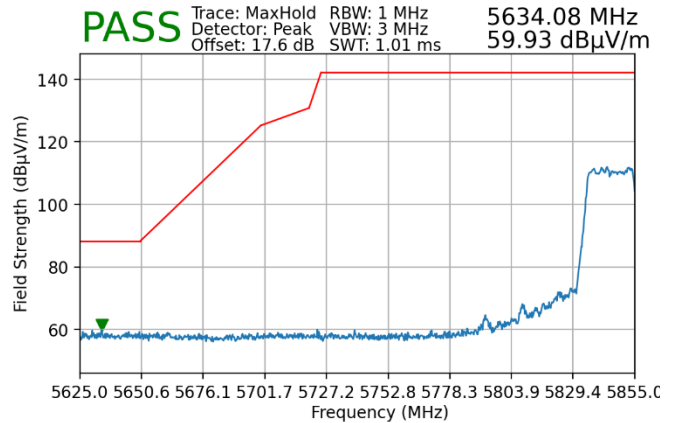
Plot 7-332. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 3 – 242 Tones)

FCC ID: A3LSMX910	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2303200036-07.A3L	Test Dates: 04/03/2023 - 05/12/2023	EUT Type: Portable Tablet	Page 224 of 235

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS0
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 5845MHz
 Channel: 169

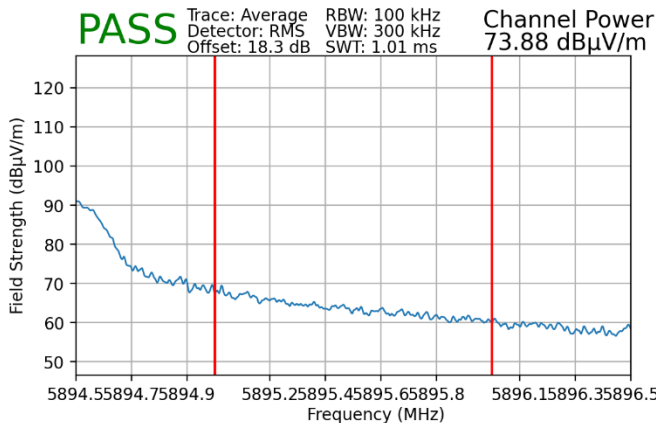


Plot 7-333. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 4 – 242 Tones)

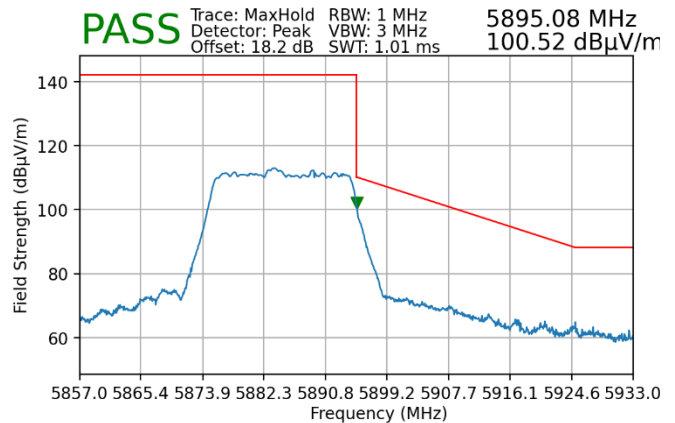


Plot 7-334. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 4 – 242 Tones)

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS0
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 5885MHz
 Channel: 177



Plot 7-335. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 4 – 242 Tones)

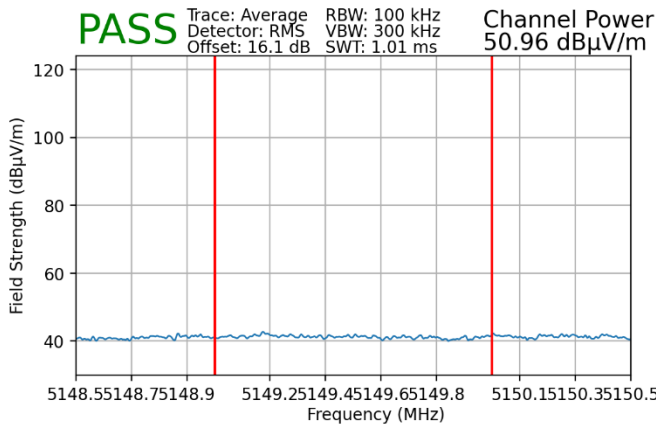


Plot 7-336. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 4 – 242 Tones)

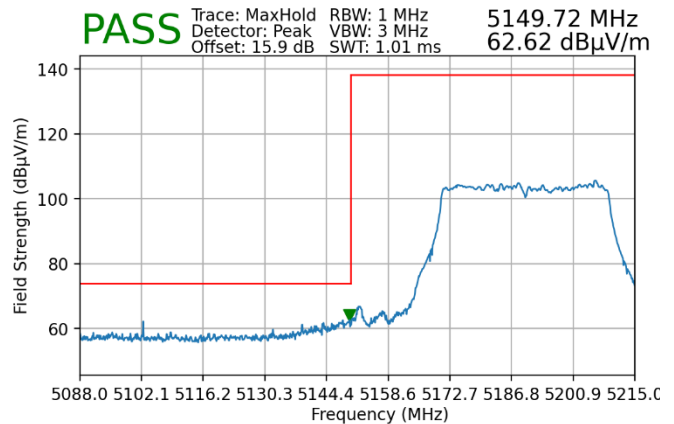
FCC ID: A3LSMX910	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2303200036-07.A3L	Test Dates: 04/03/2023 - 05/12/2023	EUT Type: Portable Tablet	Page 225 of 235

7.6.5 MIMO Radiated Band Edge Measurements (40MHz BW – Full Tone – 484T)

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index:	65
Distance of Measurements:	3 Meters
Operating Frequency:	5190MHz
Channel:	38

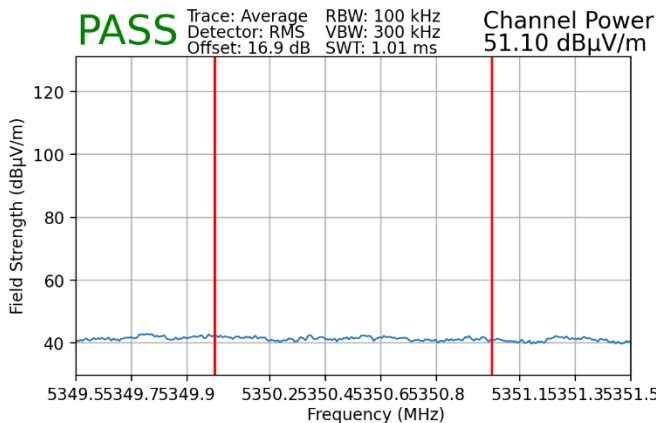


Plot 7-337. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 484 Tones)

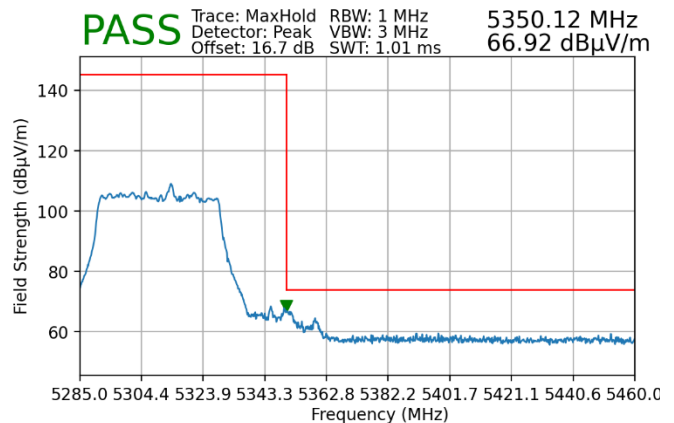


Plot 7-338. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1 – 484 Tones)

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index:	65
Distance of Measurements:	3 Meters
Operating Frequency:	5310MHz
Channel:	62



Plot 7-339. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A – 484 Tones)

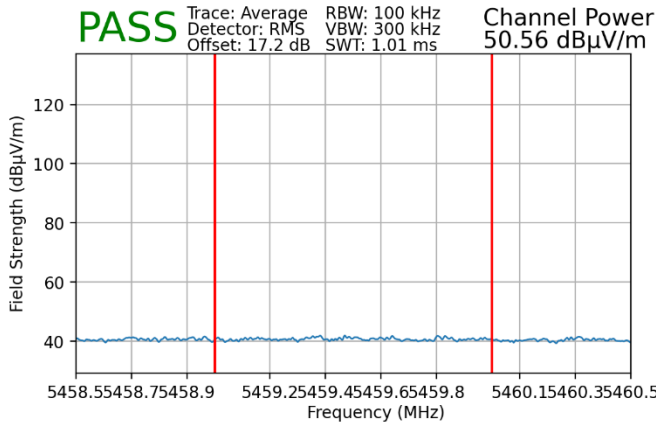


Plot 7-340. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 484 Tones)

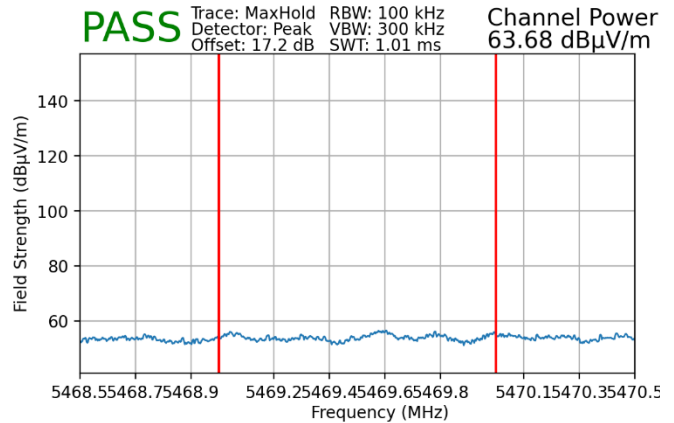
FCC ID: A3LSMX910	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2303200036-07.A3L	Test Dates: 04/03/2023 - 05/12/2023	EUT Type: Portable Tablet	Page 226 of 235



Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS0
 RU Index: 65
 Distance of Measurements: 3 Meters
 Operating Frequency: 5510MHz
 Channel: 102

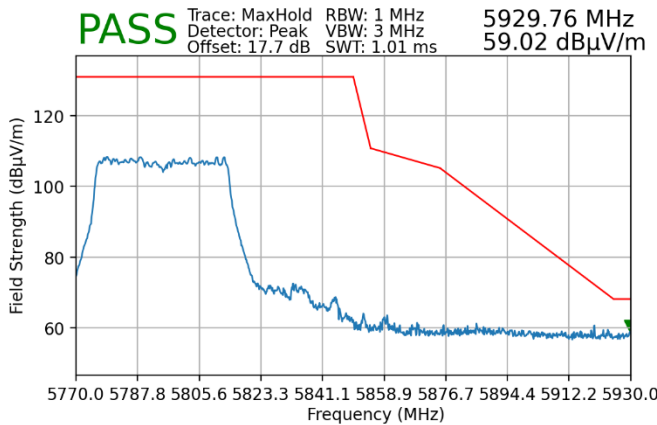


Plot 7-341. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C – 484 Tones)



Plot 7-342. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C – 484 Tones)

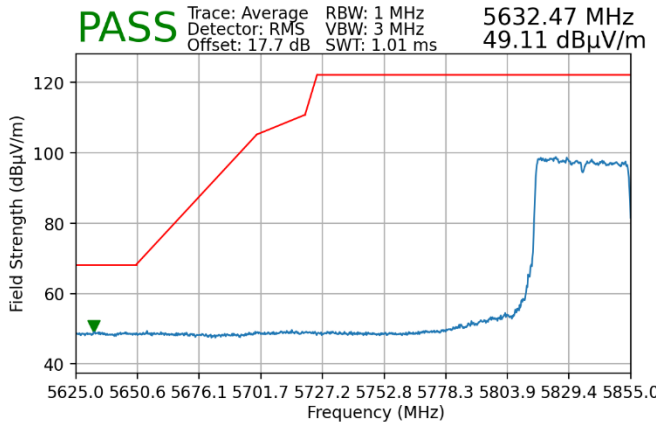
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS0
 RU Index: 65
 Distance of Measurements: 3 Meters
 Operating Frequency: 5795MHz
 Channel: 159



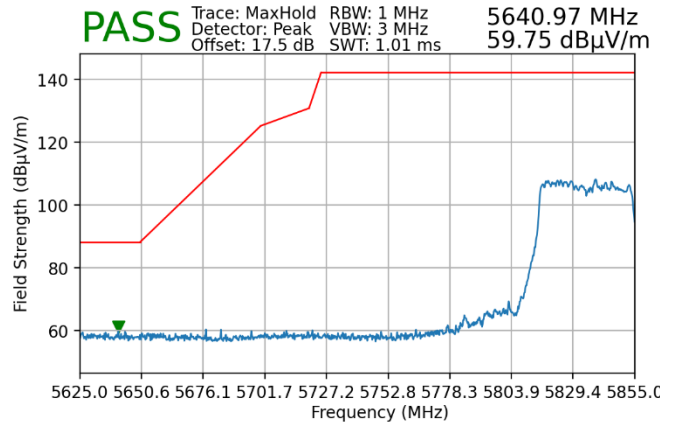
Plot 7-343. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 3 – 484 Tones)

FCC ID: A3LSMX910	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2303200036-07.A3L	Test Dates: 04/03/2023 - 05/12/2023	EUT Type: Portable Tablet	Page 227 of 235

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS0
 RU Index: 65
 Distance of Measurements: 3 Meters
 Operating Frequency: 5835MHz
 Channel: 167

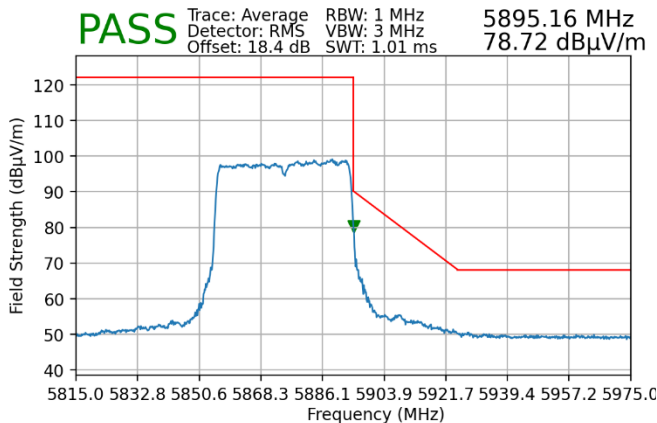


Plot 7-344. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 4 – 484 Tones)

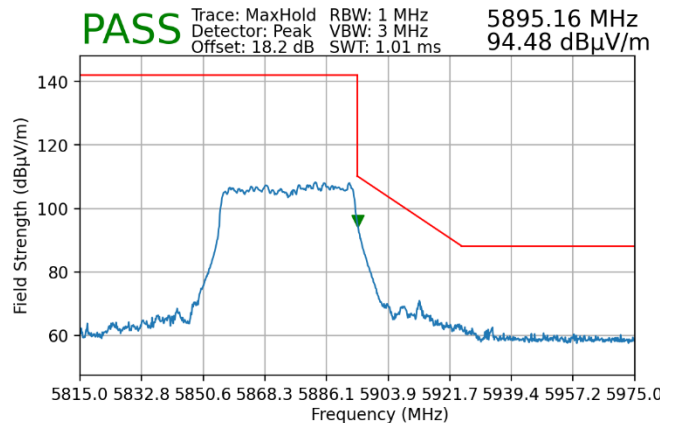


Plot 7-345. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 4 – 484 Tones)

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS0
 RU Index: 65
 Distance of Measurements: 3 Meters
 Operating Frequency: 5875MHz
 Channel: 175



Plot 7-346. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 4 – 484 Tones)

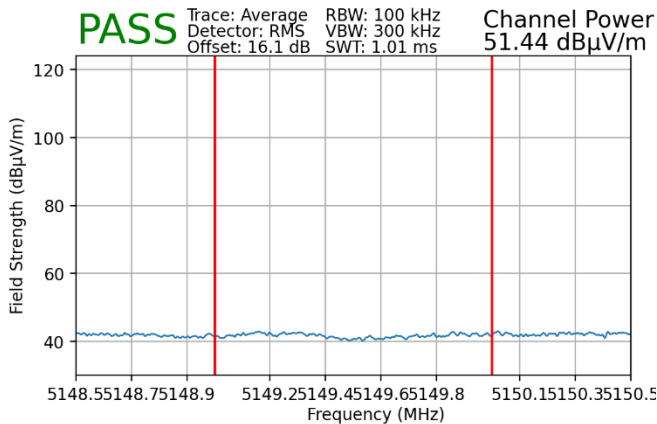


Plot 7-347. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 4 – 484 Tones)

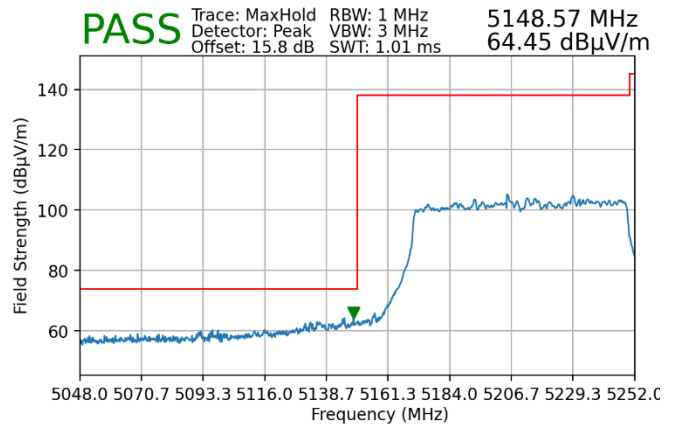
FCC ID: A3LSMX910	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2303200036-07.A3L	Test Dates: 04/03/2023 - 05/12/2023	EUT Type: Portable Tablet	Page 228 of 235

7.6.6 MIMO Radiated Band Edge Measurements (80MHz BW – Full Tone – 996T)

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index:	67
Distance of Measurements:	3 Meters
Operating Frequency:	5210MHz
Channel:	42

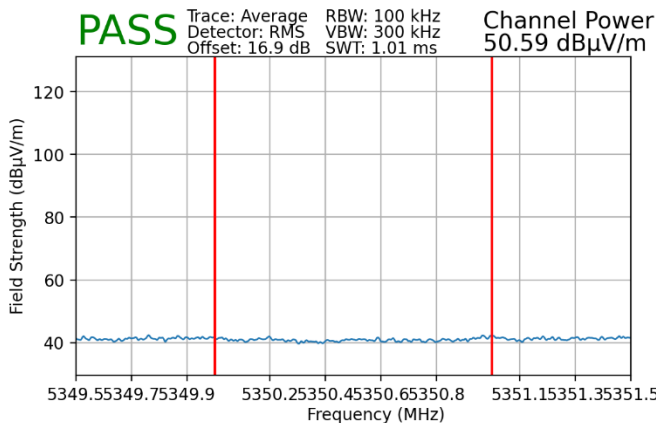


Plot 7-348. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 996 Tones)

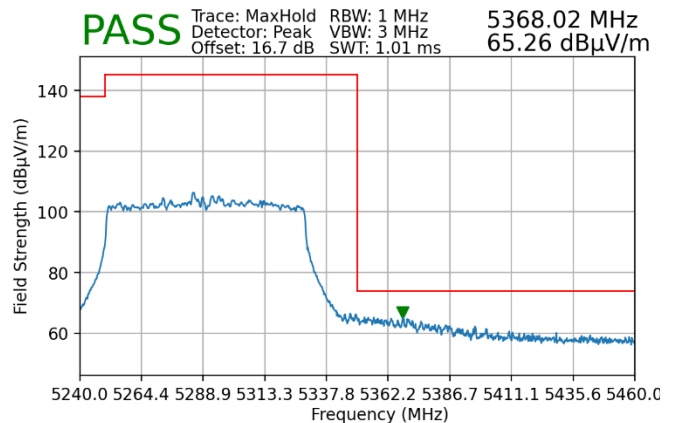


Plot 7-349. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1 – 996 Tones)

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index:	67
Distance of Measurements:	3 Meters
Operating Frequency:	5290MHz
Channel:	58



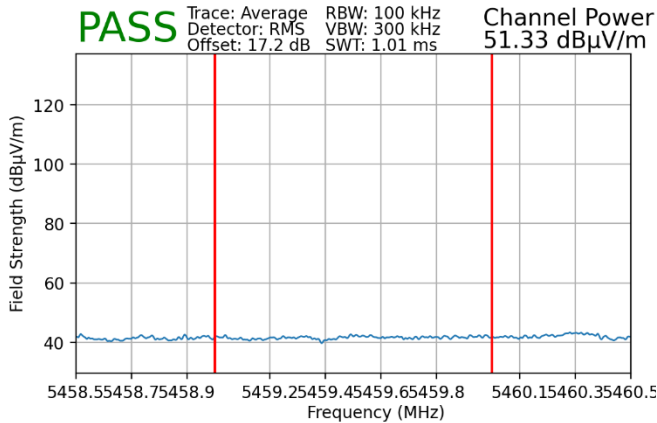
Plot 7-350. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A – 996 Tones)



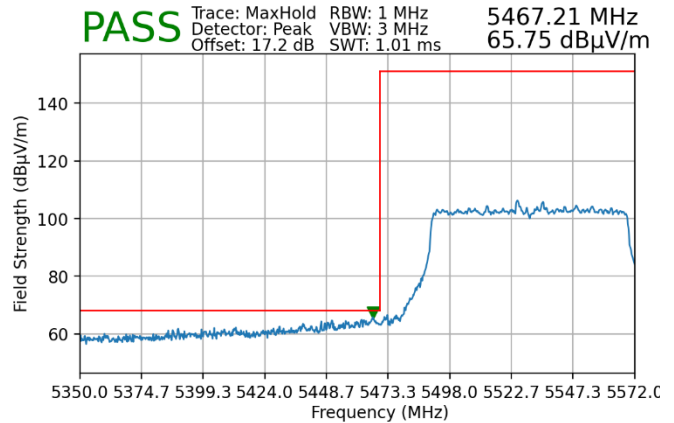
Plot 7-351. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 996 Tones)

FCC ID: A3LSMX910	MEASUREMENT REPORT		Approved by: Technical Manager
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Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS0
 RU Index: 67
 Distance of Measurements: 3 Meters
 Operating Frequency: 5530MHz
 Channel: 106

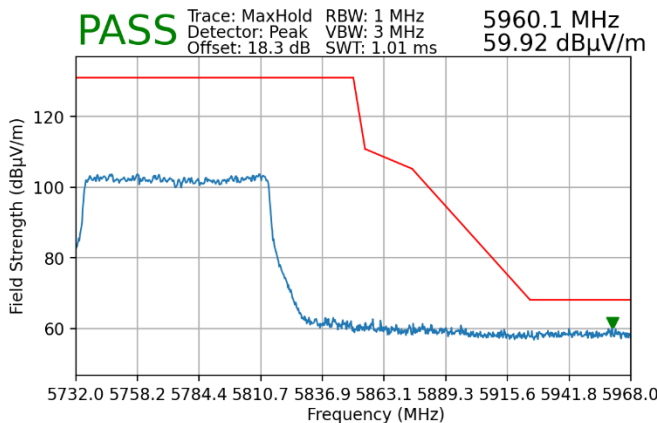


Plot 7-352. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C – 996 Tones)



Plot 7-353. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C – 996 Tones)

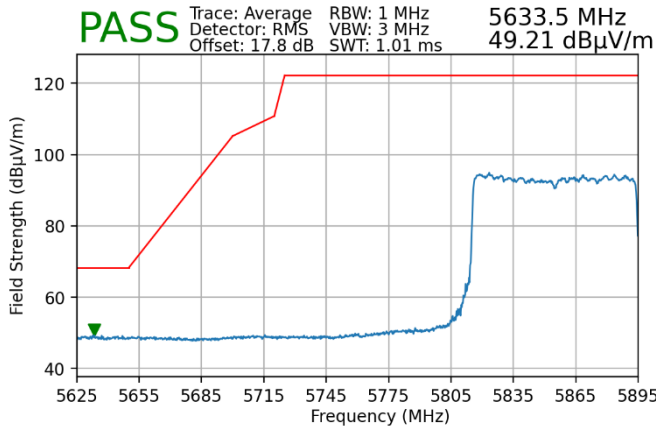
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS0
 RU Index: 67
 Distance of Measurements: 3 Meters
 Operating Frequency: 5775MHz
 Channel: 155



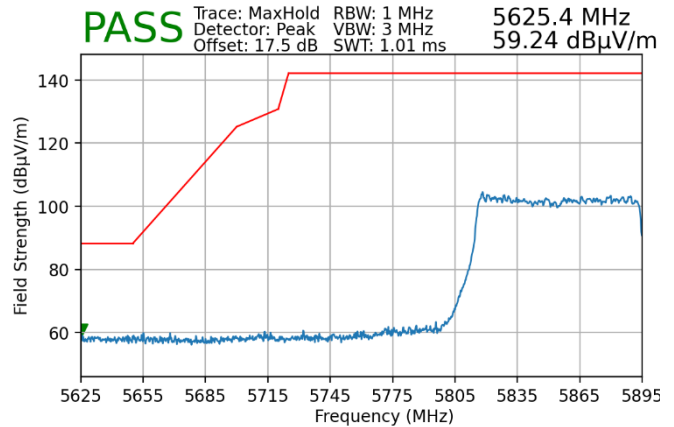
Plot 7-354. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 3 – 996 Tones)

FCC ID: A3LSMX910	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2303200036-07.A3L	Test Dates: 04/03/2023 - 05/12/2023	EUT Type: Portable Tablet	Page 230 of 235

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS0
 RU Index: 67
 Distance of Measurements: 3 Meters
 Operating Frequency: 5855MHz
 Channel: 171

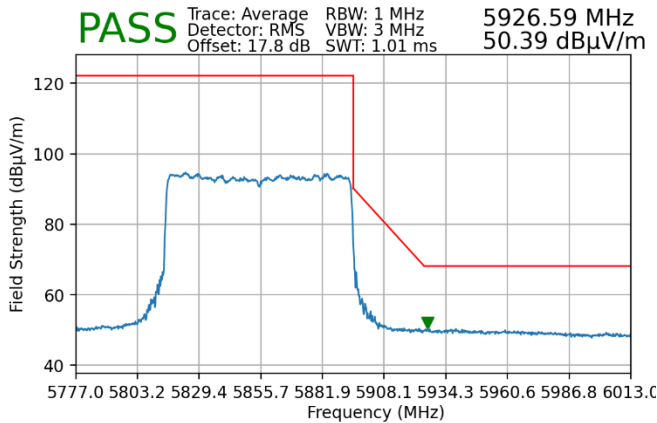


Plot 7-355. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 4 – 996 Tones)

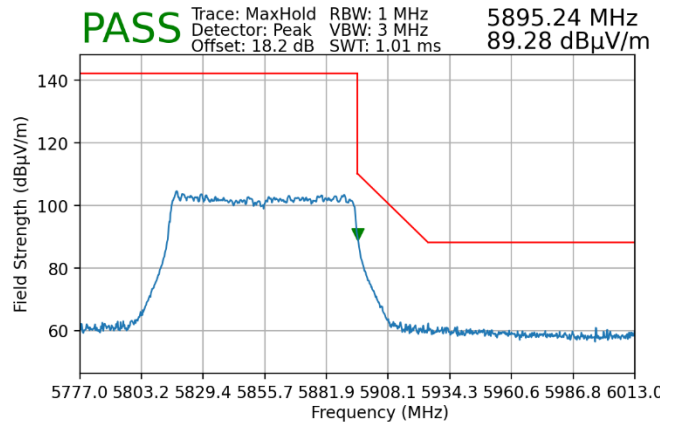


Plot 7-356. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 4 – 996 Tones)

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS0
 RU Index: 67
 Distance of Measurements: 3 Meters
 Operating Frequency: 5855MHz
 Channel: 171



Plot 7-357. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 4 – 996 Tones)

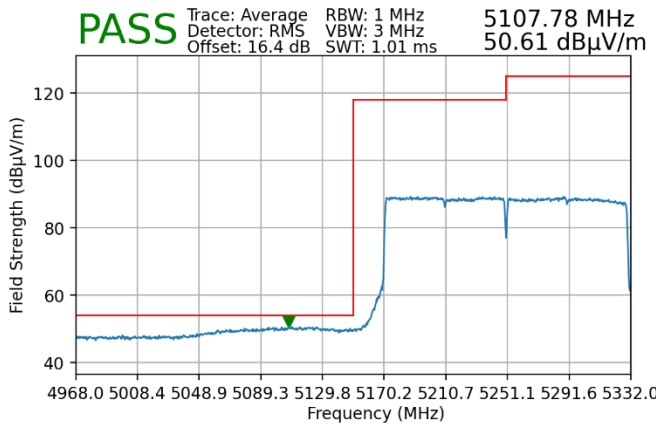


Plot 7-358. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 4 – 996 Tones)

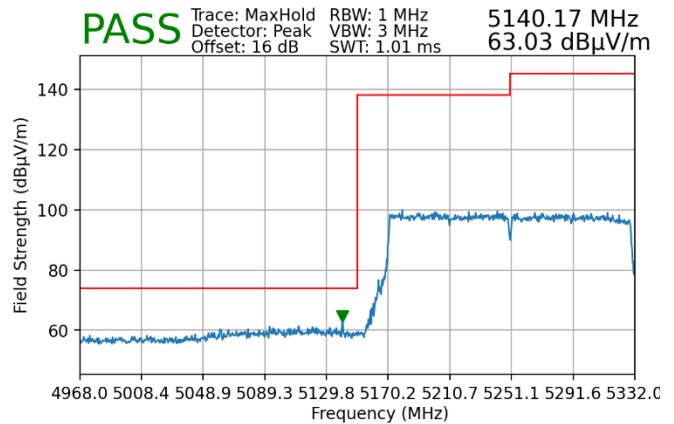
FCC ID: A3LSMX910	MEASUREMENT REPORT		Approved by: Technical Manager
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7.6.7 MIMO Radiated Band Edge Measurements (160MHz BW – Full Tone – 2x996T)

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index:	68
Distance of Measurements:	3 Meters
Operating Frequency:	5250MHz
Channel:	50

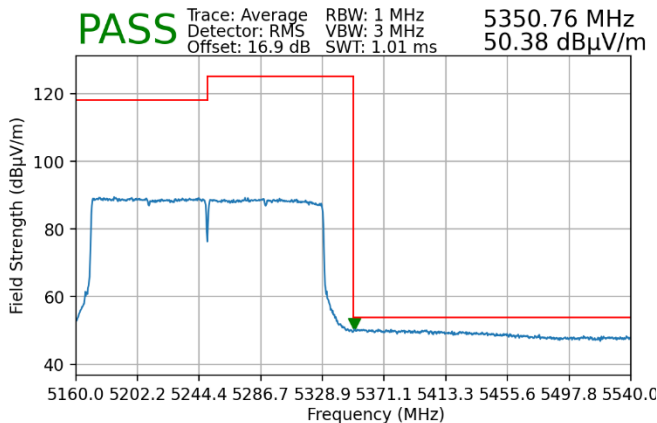


Plot 7-359. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 2x996 Tones)

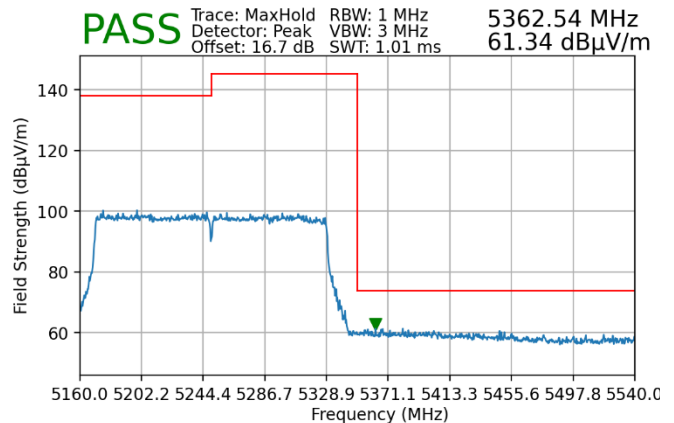


Plot 7-360. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1 – 2x996 Tones)

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index:	68
Distance of Measurements:	3 Meters
Operating Frequency:	5250MHz
Channel:	50



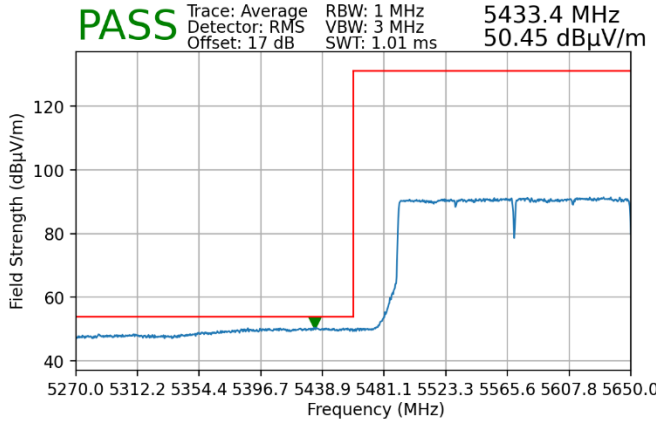
Plot 7-361. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A – 2x996 Tones)



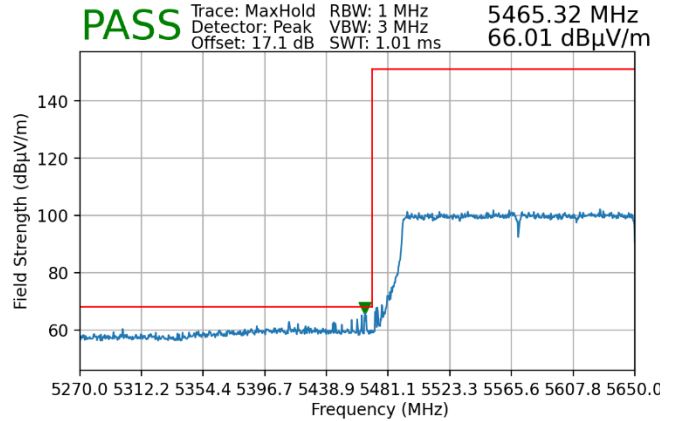
Plot 7-362. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 2x996 Tones)

FCC ID: A3LSMX910	MEASUREMENT REPORT		Approved by: Technical Manager
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Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS0
 RU Index: 68
 Distance of Measurements: 3 Meters
 Operating Frequency: 5570MHz
 Channel: 114



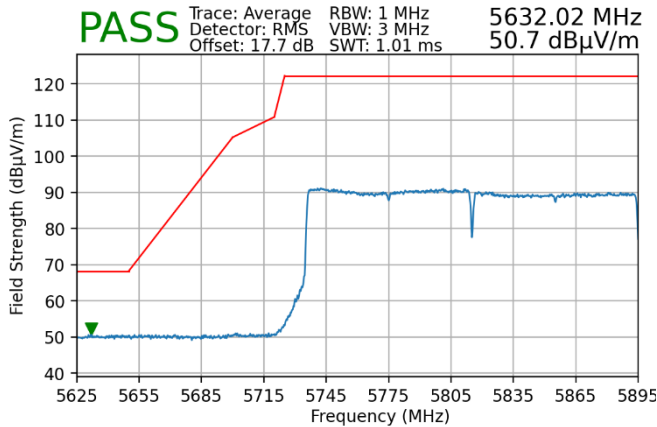
Plot 7-363. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C – 2x996 Tones)



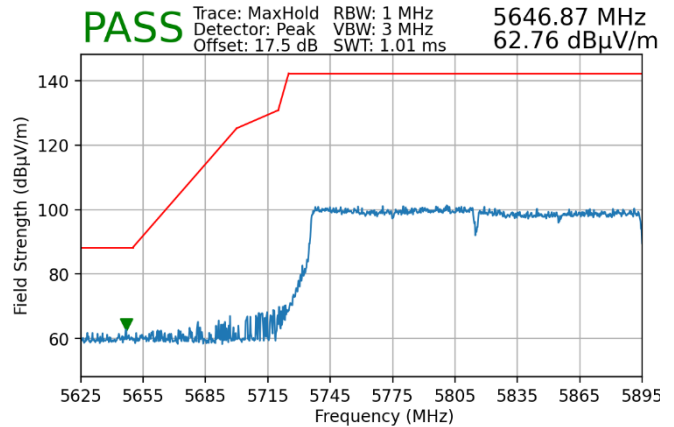
Plot 7-364. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C – 2x996 Tones)

FCC ID: A3LSMX910	MEASUREMENT REPORT		Approved by: Technical Manager
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Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS0
 RU Index: 67
 Distance of Measurements: 3 Meters
 Operating Frequency: 5815MHz
 Channel: 163

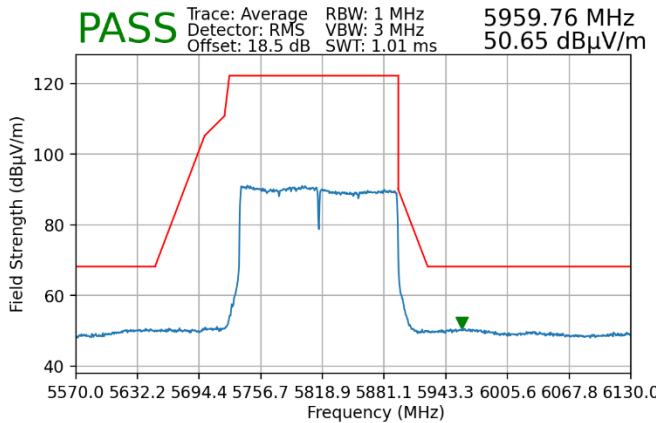


Plot 7-365. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 4 – 2x996 Tones)

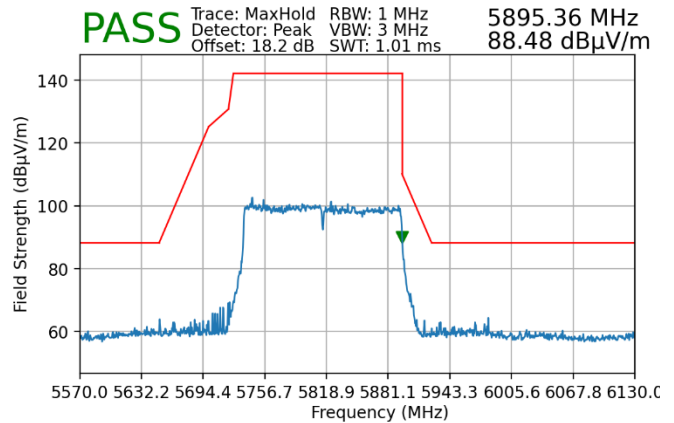


Plot 7-366. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 4 – 2x996 Tones)

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS0
 RU Index: 67
 Distance of Measurements: 3 Meters
 Operating Frequency: 5815MHz
 Channel: 163



Plot 7-367. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 4 – 2x996 Tones)



Plot 7-368. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 4 – 2x996 Tones)

FCC ID: A3LSMX910	MEASUREMENT REPORT		Approved by: Technical Manager
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8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Samsung Portable Tablet FCC: A3LSMX910** is in compliance with FCC Part Subpart E (15.407) of the FCC rules.

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