

Test Notes

1. All spurious emissions lying in restricted bands specified in §15.205 are below the limits shown 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. 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.
5. Emissions below 18GHz were measured at a 3-meter test distance while emissions above 18GHz were measured at a 1-meter test distance with the application of a distance correction factor.
6. The 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.
7. 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]

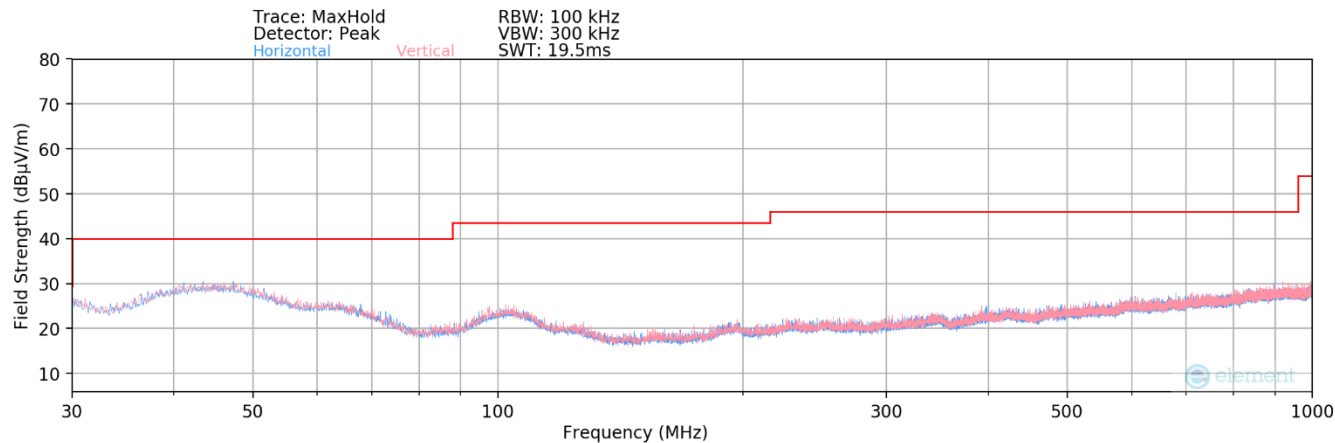
Radiated Band Edge Measurement Offset

- The amplitude offset shown in the radiated restricted band edge plots was calculated using the formula:
Offset (dB) = (Antenna Factor + Cable Loss + Attenuator) – Preamplifier Gain

FCC ID: A3LSMX736B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-11.A3L	Test Dates: 6/3 - 7/8/2025	EUT Type: Portable Tablet	Page 85 of 114



7.6.1 MIMO Radiated Spurious Emission Measurements

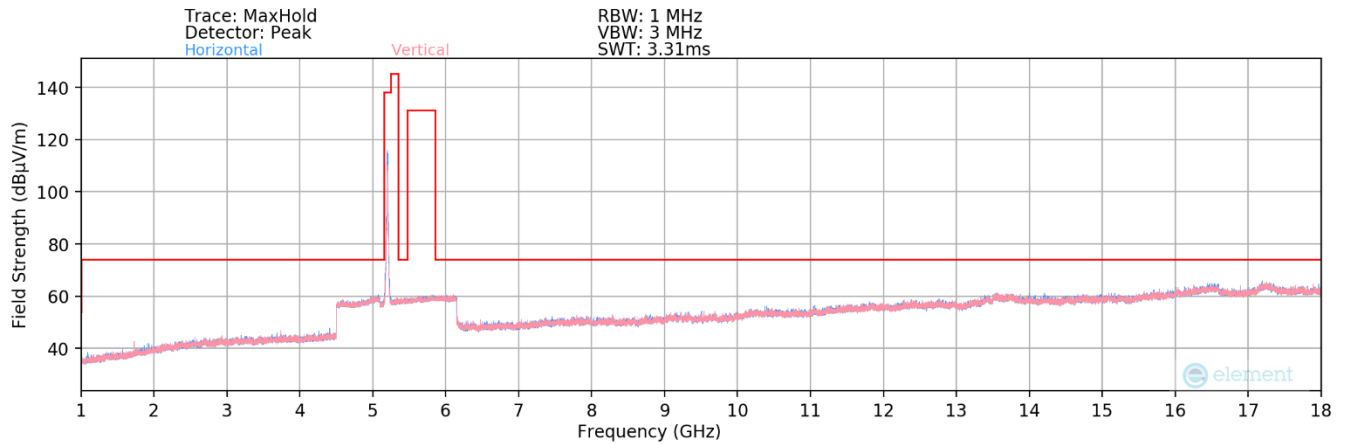


Plot 7-101. Radiated Spurious Plot below 1GHz MIMO (802.11a)

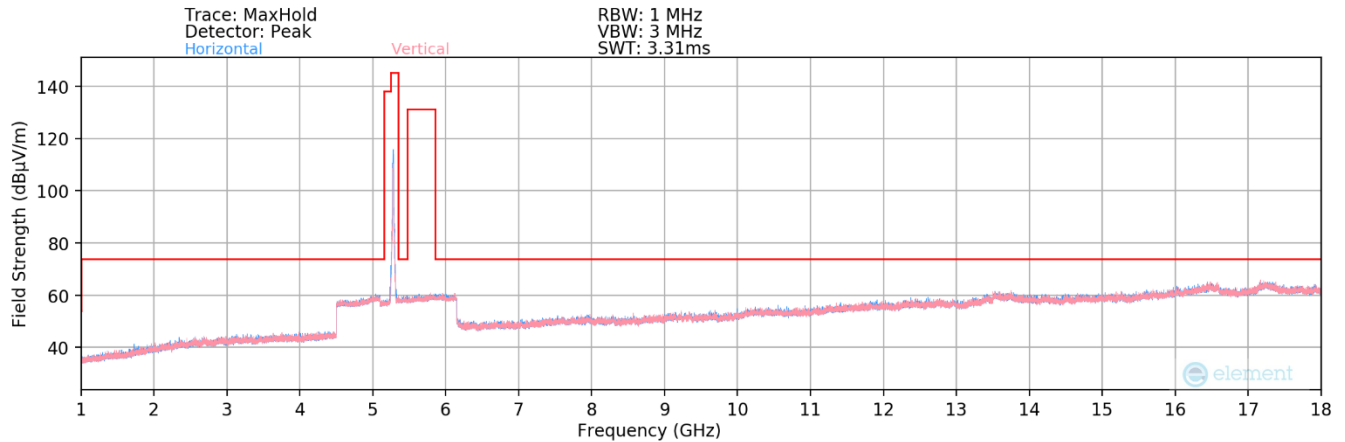
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
680.00	Quasi-Peak	V	-	-	-95.99	28.09	39.10	46.02	-6.92

Table 7-21. Radiated Measurements MIMO <1GHz

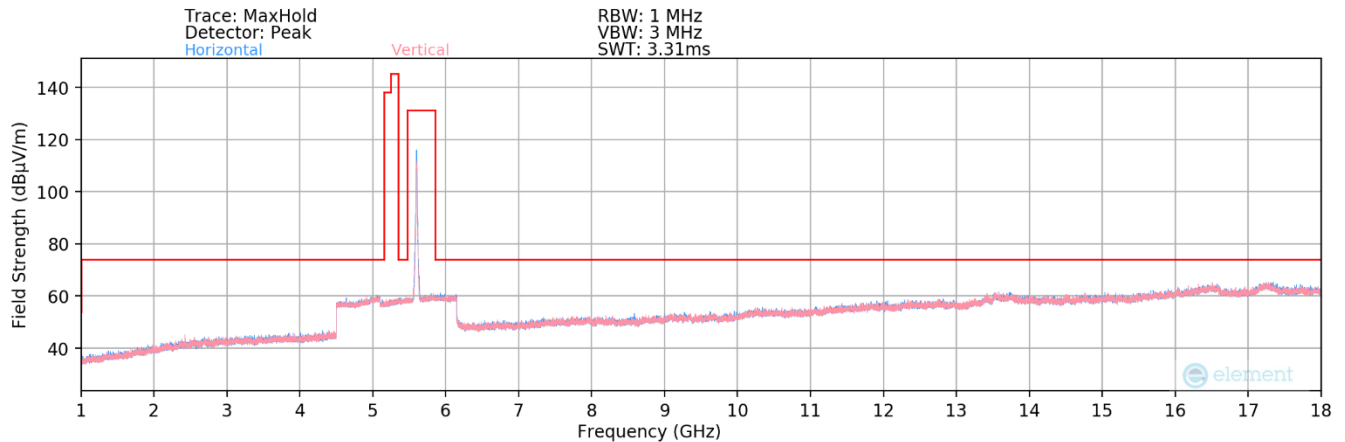
FCC ID: A3LSMX736B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-11.A3L	Test Dates: 6/3 - 7/8/2025	EUT Type: Portable Tablet	Page 86 of 114



Plot 7-102. Radiated Spurious Plot above 1GHz MIMO (802.11a – UNII Band 1 Ch. 40)

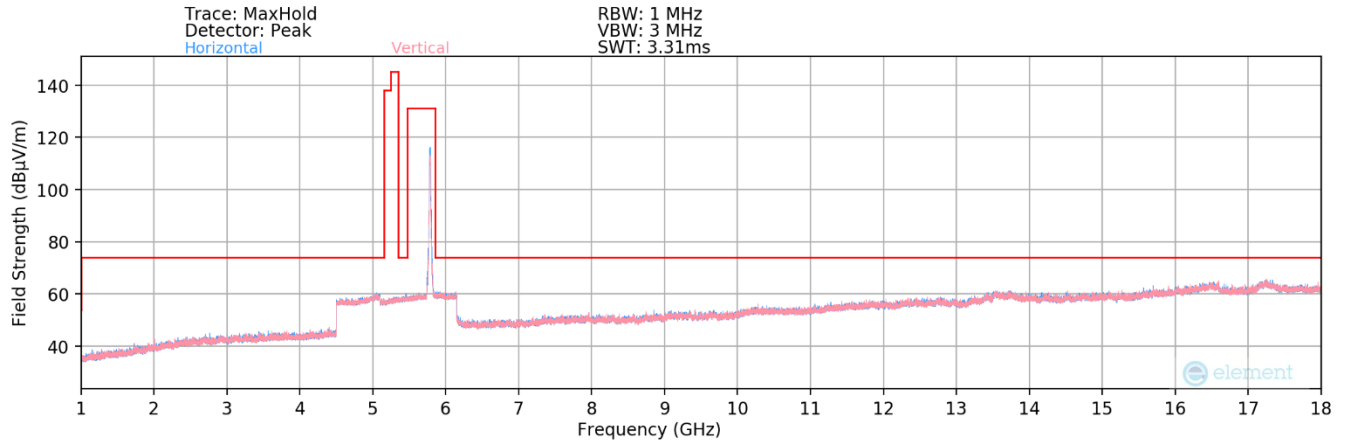


Plot 7-103. Radiated Spurious Plot above 1GHz MIMO (802.11a – UNII Band 2A Ch. 56)

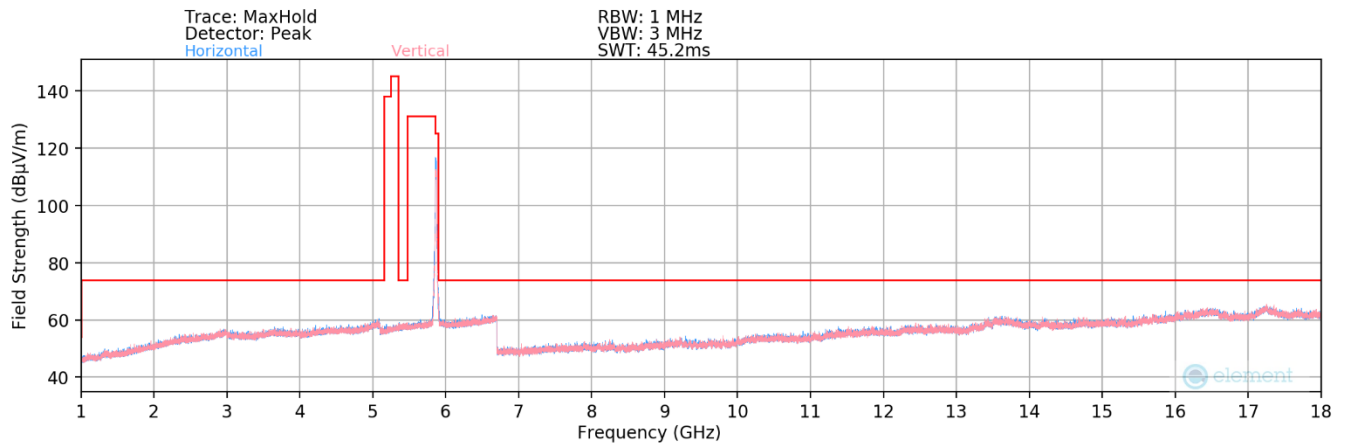


Plot 7-104. Radiated Spurious Plot above 1GHz MIMO (802.11a – UNII Band 2C Ch. 120)

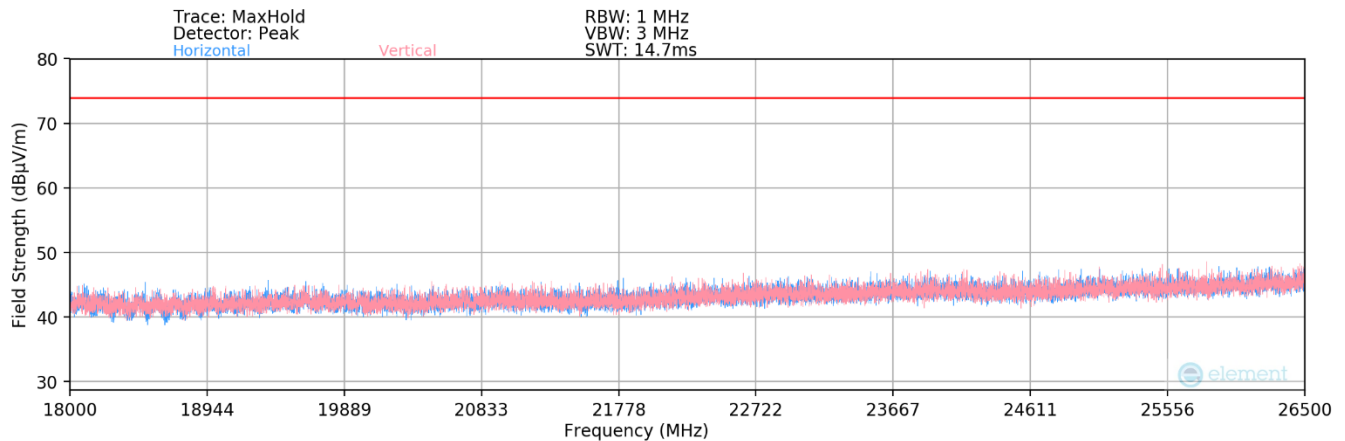
FCC ID: A3LSMX736B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-11.A3L	Test Dates: 6/3 - 7/8/2025	EUT Type: Portable Tablet	Page 87 of 114



Plot 7-105. Radiated Spurious Plot above 1GHz MIMO (802.11a – UNII Band 3 Ch. 157)

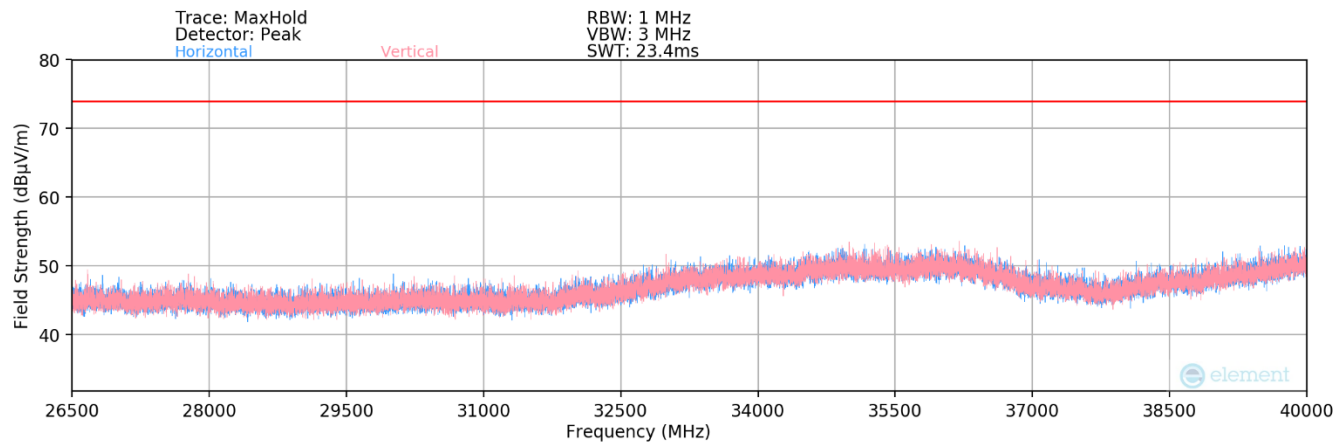


Plot 7-106. Radiated Spurious Plot above 1GHz MIMO (802.11a – UNII Band 4 Ch. 173)



Plot 7-107. Radiated Spurious Plot 18GHz – 26.5GHz MIMO (802.11a)

FCC ID: A3LSMX736B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-11.A3L	Test Dates: 6/3 - 7/8/2025	EUT Type: Portable Tablet	Page 88 of 114



Plot 7-108. Radiated Spurious Plot 26.5GHz – 40GHz MIMO (802.11a)

FCC ID: A3LSMX736B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-11.A3L	Test Dates: 6/3 - 7/8/2025	EUT Type: Portable Tablet	Page 89 of 114



MIMO Radiated Spurious Emission Measurements – UNII Band 1

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	1	36	5180		10360.00	Peak	V	133	192	-69.27	16.34	0.00	54.07	68.20	-14.13
					*	15540.00	Average	V	-	-	-82.29	23.50	0.00	48.21	53.98	-5.77
					*	15540.00	Peak	V	-	-	-70.52	23.50	0.00	59.98	73.98	-14.00
					*	20720.00	Average	V	-	-	-53.91	2.48	-9.54	46.04	53.98	-7.94
					*	20720.00	Peak	V	-	-	-44.45	2.48	-9.54	55.49	73.98	-18.49
						25900.00	Peak	V	-	-	-44.31	4.78	-9.54	57.93	68.20	-10.27
			40	5200		10400.00	Peak	V	112	192	-68.89	16.48	0.00	54.59	68.20	-13.61
					*	15600.00	Average	V	-	-	-82.34	23.70	0.00	48.36	53.98	-5.62
					*	15600.00	Peak	V	-	-	-71.02	23.70	0.00	59.68	73.98	-14.30
					*	20800.00	Average	V	-	-	-54.30	2.52	-9.54	45.69	53.98	-8.29
					*	20800.00	Peak	V	-	-	-45.25	2.52	-9.54	54.73	73.98	-19.25
						26000.00	Peak	V	-	-	-43.98	4.78	-9.54	58.27	68.20	-9.93
			48	5240		10480.00	Peak	V	166	155	-68.67	16.73	0.00	55.06	68.20	-13.14
					*	15720.00	Average	V	-	-	-83.11	23.78	0.00	47.67	53.98	-6.31
					*	15720.00	Peak	V	-	-	-71.94	23.78	0.00	58.84	73.98	-15.14
						20960.00	Peak	V	-	-	-45.67	2.84	-9.54	54.63	68.20	-13.57
						26200.00	Peak	V	-	-	-44.95	4.91	-9.54	57.42	68.20	-10.78

Table 7-22. Radiated Measurements MIMO

MIMO Radiated Spurious Emission Measurements – UNII Band 2A

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	2A	52	5260		10520.00	Peak	V	126	157	-68.88	16.77	0.00	54.89	68.20	-13.31
					*	15780.00	Average	V	-	-	-82.87	23.77	0.00	47.90	53.98	-6.08
					*	15780.00	Peak	V	-	-	-70.40	23.77	0.00	60.37	73.98	-13.61
					*	21040.00	Average	V	-	-	-54.68	2.92	-9.54	45.70	53.98	-8.28
					*	21040.00	Peak	V	-	-	-44.80	2.92	-9.54	55.58	73.98	-18.40
						26300.00	Peak	V	-	-	-44.92	4.91	-9.54	57.45	68.20	-10.75
			56	5280		10560.00	Peak	V	172	153	-70.21	16.98	0.00	53.77	68.20	-14.43
					*	15840.00	Average	V	-	-	-82.03	23.95	0.00	48.92	53.98	-5.06
					*	15840.00	Peak	V	-	-	-71.53	23.95	0.00	59.42	73.98	-14.56
					*	21120.00	Average	V	-	-	-54.59	2.87	-9.54	45.74	53.98	-8.24
					*	21120.00	Peak	V	-	-	-45.39	2.87	-9.54	54.94	73.98	-19.04
						26400.00	Peak	V	-	-	-44.18	4.85	-9.54	58.14	68.20	-10.06
			64	5320	*	10640.00	Average	V	-	-	-81.52	17.30	0.00	42.78	53.98	-11.20
					*	10640.00	Peak	V	-	-	-70.77	17.30	0.00	53.53	73.98	-20.45
					*	15960.00	Average	V	-	-	-82.06	24.42	0.00	49.36	53.98	-4.62
					*	15960.00	Peak	V	-	-	-71.76	24.42	0.00	59.66	73.98	-14.32
					*	21280.00	Average	V	-	-	-54.18	2.96	-9.54	46.24	53.98	-7.74
					*	21280.00	Peak	V	-	-	-45.97	2.96	-9.54	54.45	73.98	-19.53
						26600.00	Peak	V	-	-	-44.90	5.05	-9.54	57.61	68.20	-10.59

Table 7-23. Radiated Measurements MIMO

FCC ID: A3LSMX736B	MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2505130050-11.A3L	Test Dates: 6/3 - 7/8/2025	EUT Type: Portable Tablet		Page 90 of 114

MIMO Radiated Spurious Emission Measurements – UNII Band 2C

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	2C	100	5500	*	11000.00	Average	V	-	-	-81.15	17.72	0.00	43.57	53.98	-10.41
					*	11000.00	Peak	V	-	-	-71.49	17.72	-9.54	43.69	73.98	-30.29
						16500.00	Peak	V	-	-	-70.88	25.70	-9.54	52.28	68.20	-15.92
						22000.00	Peak	V	-	-	-45.60	3.01	-9.54	54.87	68.20	-13.33
						27500.00	Peak	V	-	-	-44.78	5.00	-9.54	57.69	68.20	-10.51
			120	5600	*	11200.00	Average	V	-	-	-81.42	17.71	0.00	43.29	53.98	-10.69
					*	11200.00	Peak	V	-	-	-70.56	17.71	0.00	54.15	73.98	-19.83
						16800.00	Peak	V	-	-	-71.88	25.37	0.00	60.49	68.20	-7.71
					*	22400.00	Average	V	-	-	-54.21	3.44	-9.54	46.69	53.98	-7.29
					*	22400.00	Peak	V	-	-	-45.61	3.44	-9.54	55.30	73.98	-18.68
			144	5720		28000.00	Peak	V	-	-	-45.06	5.31	-9.54	57.71	68.20	-10.49
					*	11440.00	Average	V	-	-	-80.97	18.23	0.00	44.26	53.98	-9.72
					*	11440.00	Peak	V	-	-	-71.51	18.23	0.00	53.72	73.98	-20.26
						17160.00	Peak	V	-	-	-72.32	25.61	0.00	60.29	68.20	-7.91
					*	22880.00	Average	V	-	-	-54.02	3.60	-9.54	47.05	53.98	-6.93
					*	22880.00	Peak	V	-	-	-44.03	3.60	-9.54	57.03	73.98	-16.95
						28600.00	Peak	V	-	-	-44.93	5.30	-9.54	57.83	68.20	-10.37

Table 7-24. Radiated Measurements MIMO

MIMO Radiated Spurious Emission Measurements – UNII Band 3

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	3	149	5745	*	11490.00	Average	V	-	-	-82.18	18.54	0.00	43.36	53.98	-10.62
					*	11490.00	Peak	V	-	-	-71.48	18.54	0.00	54.06	73.98	-19.92
						17235.00	Peak	V	-	-	-71.85	26.00	0.00	61.15	68.20	-7.05
					*	22980.00	Average	V	-	-	-54.34	3.63	-9.54	46.75	53.98	-7.23
					*	22980.00	Peak	V	-	-	-45.89	3.63	-9.54	55.20	73.98	-18.78
			157	5785		28725.00	Peak	V	-	-	-45.56	5.24	-9.54	57.14	68.20	-11.06
					*	11570.00	Average	V	-	-	-81.97	18.38	0.00	43.41	53.98	-10.57
					*	11570.00	Peak	V	-	-	-70.97	18.38	0.00	54.41	73.98	-19.57
						17355.00	Peak	V	-	-	-72.24	27.29	0.00	62.05	68.20	-6.15
						23140.00	Peak	V	-	-	-45.67	3.75	-9.54	55.54	68.20	-12.66
			165	5825		28925.00	Peak	V	-	-	-44.68	5.12	-9.54	57.90	68.20	-10.30
					*	11650.00	Average	V	-	-	-81.88	18.28	0.00	43.40	53.98	-10.58
					*	11650.00	Peak	V	-	-	-71.24	18.28	0.00	54.04	73.98	-19.94
						17475.00	Peak	V	-	-	-72.25	26.78	0.00	61.53	68.20	-6.67
						23300.00	Peak	V	-	-	-45.29	3.73	-9.54	55.90	68.20	-12.30
						29125.00	Peak	V	-	-	-43.55	5.23	-9.54	59.14	68.20	-9.06

Table 7-25. Radiated Measurements MIMO

FCC ID: A3LSMX736B	MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2505130050-11.A3L	Test Dates: 6/3 - 7/8/2025	EUT Type: Portable Tablet		Page 91 of 114

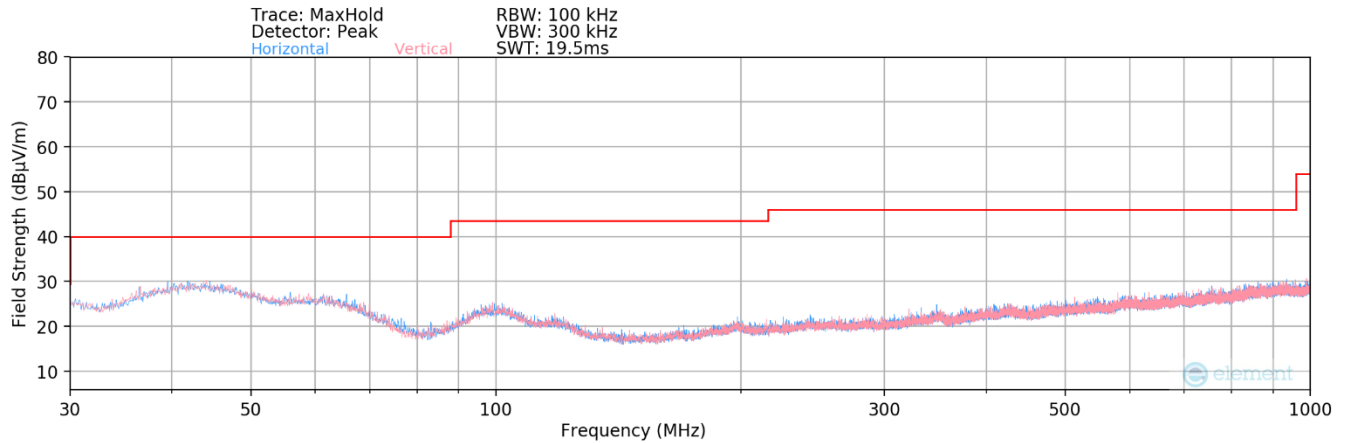
MIMO Radiated Spurious Emission Measurements – UNII Band 4

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	4	169	5845	*	11690.00	Average	V	-	-	-82.33	18.71	0.00	43.38	53.98	-10.60
					*	11690.00	Peak	V	-	-	-71.53	18.71	0.00	54.18	73.98	-19.80
						17535.00	Peak	V	-	-	-72.70	26.83	0.00	61.13	68.20	-7.07
						23380.00	Peak	V	-	-	-45.82	3.80	-9.54	55.45	68.20	-12.75
						29225.00	Peak	V	-	-	-45.45	5.22	-9.54	57.23	68.20	-10.97
						35070.00	Peak	V	-	-	-44.52	9.52	-9.54	62.46	68.20	-5.74
			173	5865	*	11730.00	Average	V	-	-	-82.02	18.40	0.00	43.38	53.98	-10.60
					*	11730.00	Peak	V	-	-	-71.13	18.40	0.00	54.27	73.98	-19.71
						17595.00	Peak	V	-	-	-71.99	26.78	0.00	61.79	68.20	-6.41
						23460.00	Peak	V	-	-	-45.61	3.86	-9.54	55.71	68.20	-12.49
						29325.00	Peak	V	-	-	-44.76	5.14	-9.54	57.84	68.20	-10.36
						35190.00	Peak	V	-	-	-44.69	9.61	-9.54	62.38	68.20	-5.82
			177	5885	*	11770.00	Average	V	-	-	-82.34	18.55	0.00	43.21	53.98	-10.77
					*	11770.00	Peak	V	-	-	-71.73	18.55	0.00	53.82	73.98	-20.16
						17655.00	Peak	V	-	-	-72.02	26.68	0.00	61.66	68.20	-6.54
						23540.00	Peak	V	-	-	-45.15	4.01	-9.54	56.32	68.20	-11.88
						29425.00	Peak	V	-	-	-44.65	5.11	-9.54	57.92	68.20	-10.28
						35310.00	Peak	V	-	-	-43.84	9.72	-9.54	63.34	68.20	-4.86

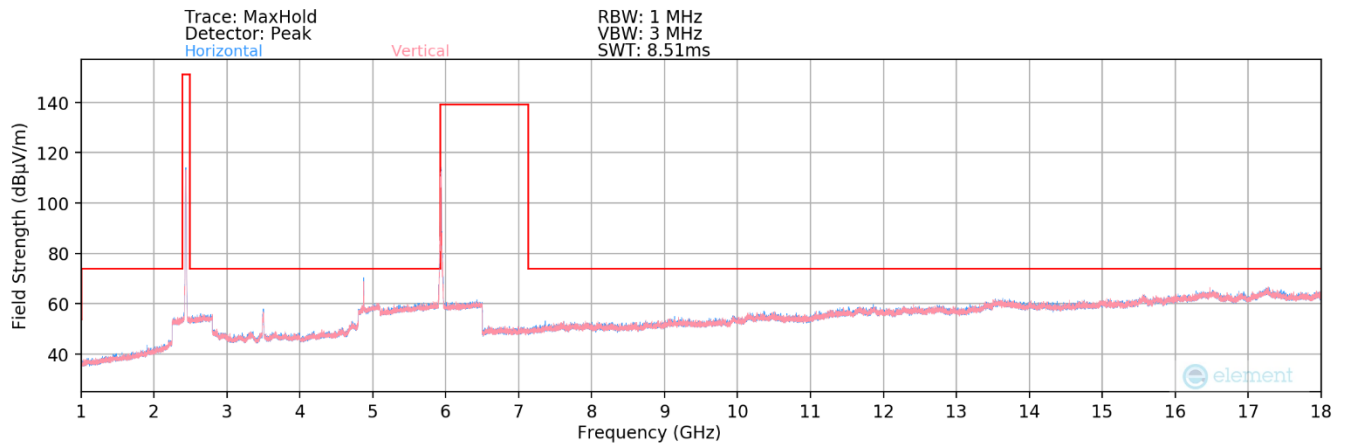
Table 7-26. Radiated Measurements MIMO

FCC ID: A3LSMX736B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-11.A3L	Test Dates: 6/3 - 7/8/2025	EUT Type: Portable Tablet	Page 92 of 114

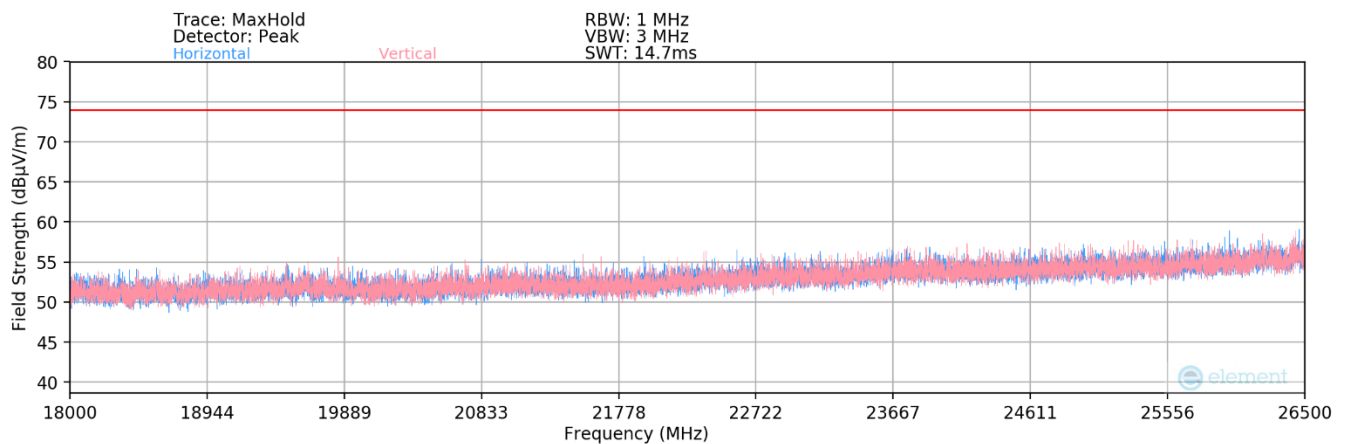
Simultaneous Transmission – 2.4GHz + 5GHz



Plot 7-109. Radiated Spurious Plot below 1GHz MIMO 802.11b (2.4GHz – Ch. 6) + MIMO 802.11a (5GHz – Ch. 120)

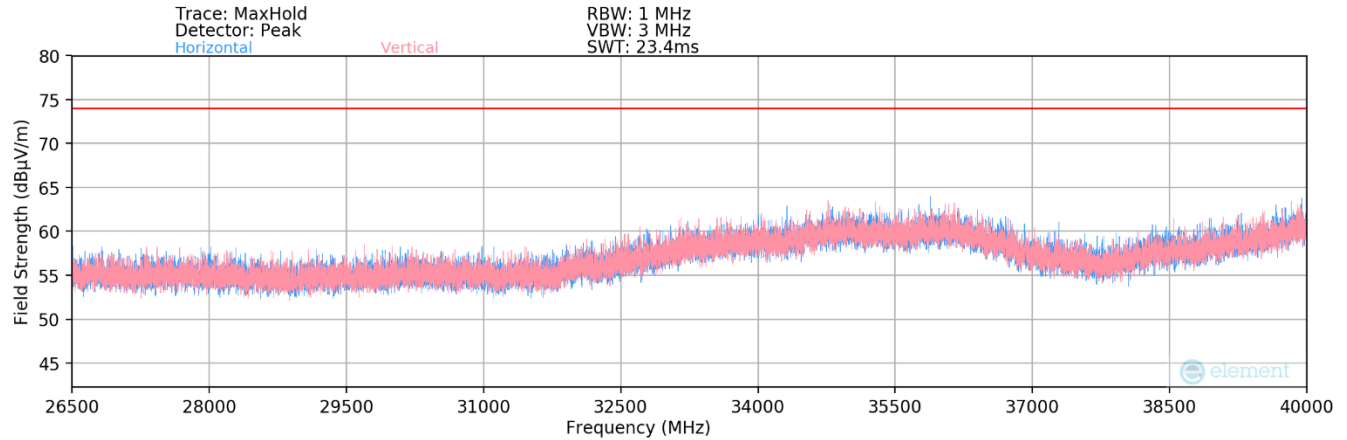


Plot 7-110. Radiated Spurious Plot below 1-18GHz MIMO 802.11b (2.4GHz – Ch.6) + MIMO 802.11a (5GHz – Ch. 120)



Plot 7-111. Radiated Spurious Plot below 18-26.5GHz MIMO 802.11b (2.4GHz – Ch.6) + MIMO 802.11a (5GHz – Ch. 120)

FCC ID: A3LSMX736B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-11.A3L	Test Dates: 6/3 - 7/8/2025	EUT Type: Portable Tablet	Page 93 of 114



Plot 7-112. Radiated Spurious Plot below 26.5-40GHz MIMO 802.11b (2.4GHz – Ch.6) + MIMO 802.11a (5GHz – Ch. 120)

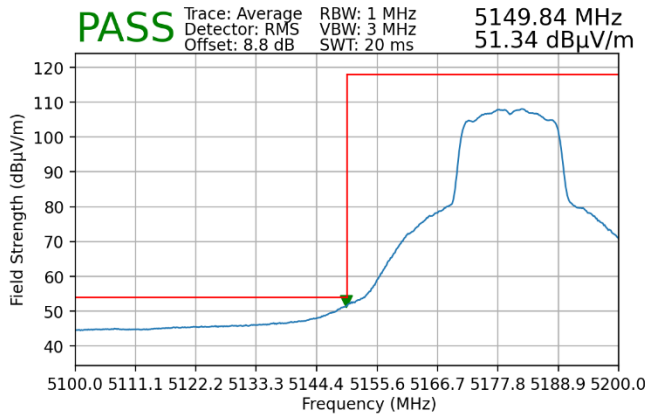
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
726.00	Peak	H	-	-	-76.37	-2.87	0.00	27.76	46.02	-18.26
1711.00	Peak	H	-	-	-66.83	0.81	0.00	40.98	68.20	-27.22
3163.00	Peak	H	342	234	-57.15	7.39	0.00	57.24	68.20	-10.96
6326.00	Peak	H	-	-	-70.35	13.48	0.00	50.13	68.20	-18.07
8037.00	Average	H	104	2	-81.96	16.03	0.00	41.07	53.98	-12.91
8037.00	Peak	H	104	2	-70.52	16.03	0.00	52.51	73.98	-21.47
8763.00	Peak	H	-	-	-70.79	17.57	0.00	53.78	68.20	-14.42
10474.00	Peak	H	-	-	-71.58	21.21	0.00	56.63	68.20	-11.57
13637.00	Average	H	-	-	-82.78	25.53	0.00	49.75	53.98	-4.23
13637.00	Peak	H	-	-	-70.89	25.53	0.00	61.64	73.98	-12.34
19237.00	Average	H	-	-	-54.89	1.74	-9.54	44.31	53.98	-9.67
19237.00	Peak	H	-	-	-45.42	1.74	-9.54	53.78	73.98	-20.20

Table 7-27. Radiated Measurements MIMO 2.4GHz + MIMO 5GHz

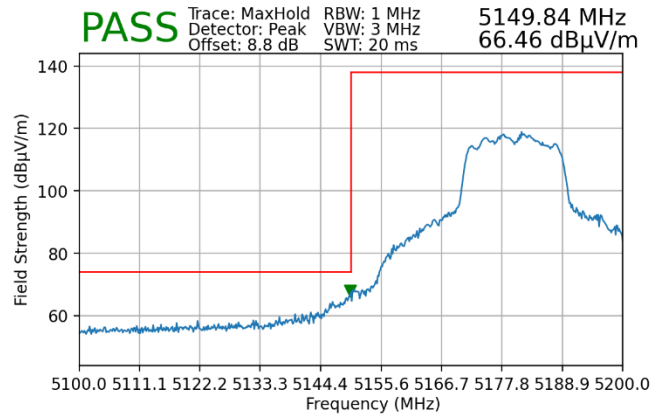
FCC ID: A3LSMX736B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-11.A3L	Test Dates: 6/3 - 7/8/2025	EUT Type: Portable Tablet	Page 94 of 114

7.6.2 MIMO Radiated Band Edge Measurements (20MHz BW)

Worst Case Mode:	802.11ac
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	5180MHz
Channel:	36

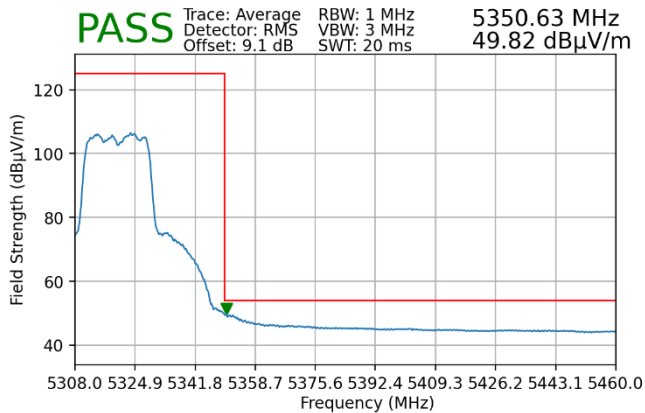


Plot 7-113. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1)

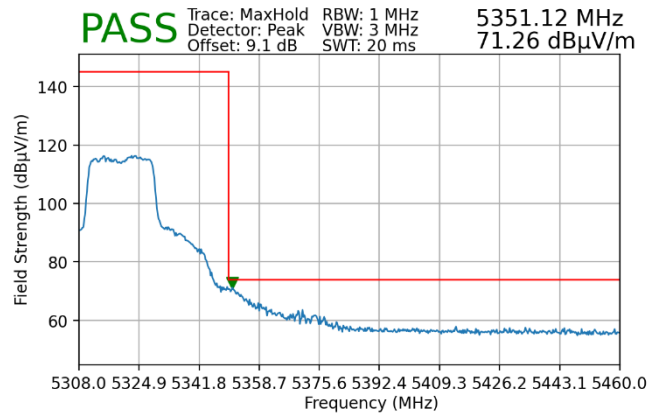


Plot 7-114. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1)

Worst Case Mode:	802.11n
Worst Case Transfer Rate:	MCS8
Distance of Measurements:	3 Meters
Operating Frequency:	5320MHz
Channel:	64



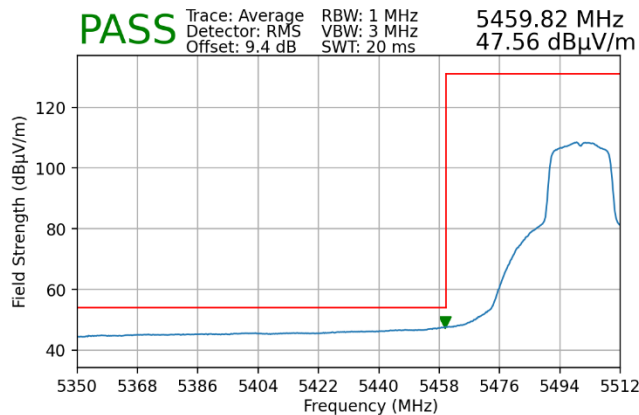
Plot 7-115. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A)



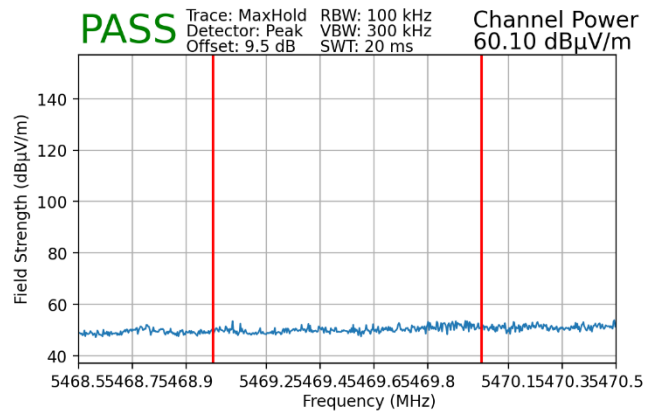
Plot 7-116. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A)

FCC ID: A3LSMX736B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-11.A3L	Test Dates: 6/3 - 7/8/2025	EUT Type: Portable Tablet	Page 95 of 114

Worst Case Mode: 802.11n
 Worst Case Transfer Rate: MCS8
 Distance of Measurements: 3 Meters
 Operating Frequency: 5500MHz
 Channel: 100

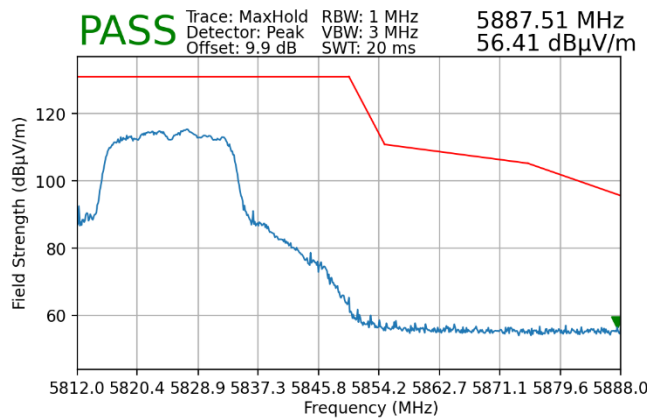


Plot 7-117. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C)



Plot 7-118. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C)

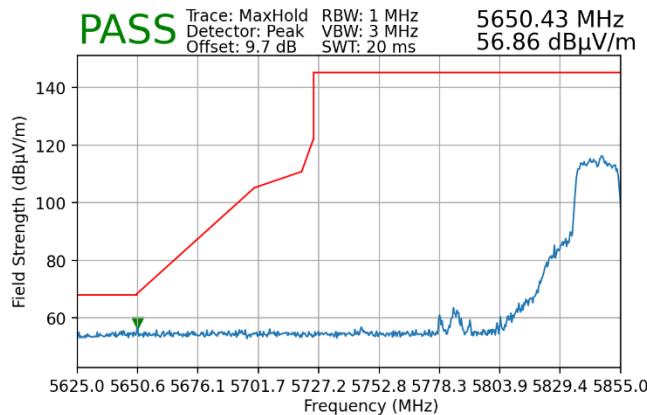
Worst Case Mode: 802.11n
 Worst Case Transfer Rate: MCS8
 Distance of Measurements: 3 Meters
 Operating Frequency: 5825MHz
 Channel: 165



Plot 7-119. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 3)

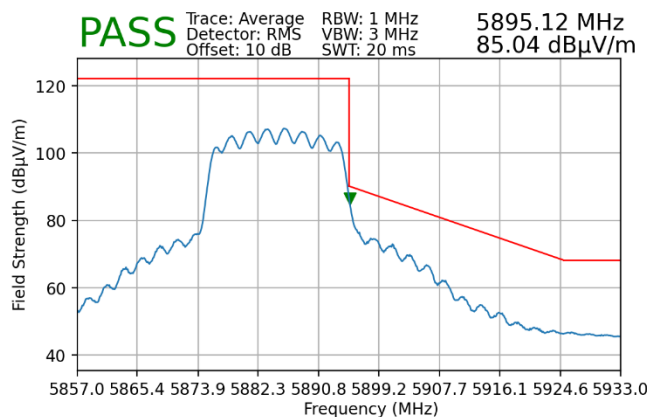
FCC ID: A3LSMX736B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-11.A3L	Test Dates: 6/3 - 7/8/2025	EUT Type: Portable Tablet	Page 96 of 114

Worst Case Mode: 802.11ac
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5845MHz
 Channel: 169

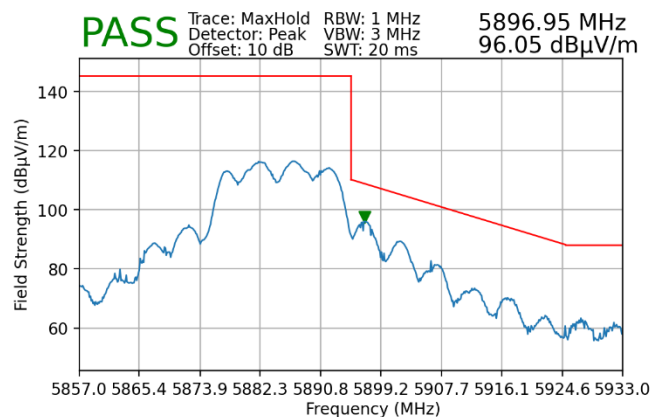


**Plot 7-120. Radiated Lower Band Edge Plot MIMO
(Peak – UNII Band 4)**

Worst Case Mode: 802.11a
 Worst Case Transfer Rate: 6Mbps
 Distance of Measurements: 3 Meters
 Operating Frequency: 5885MHz
 Channel: 177



**Plot 7-121. Radiated Upper Band Edge Plot MIMO
(Average – UNII Band 4)**

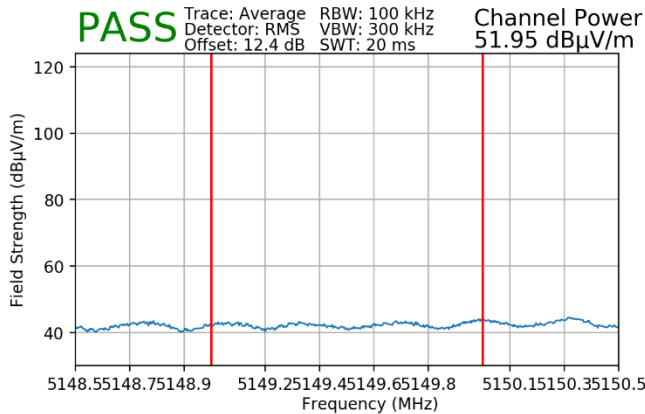


**Plot 7-122. Radiated Upper Band Edge Plot MIMO
(Peak – UNII Band 4)**

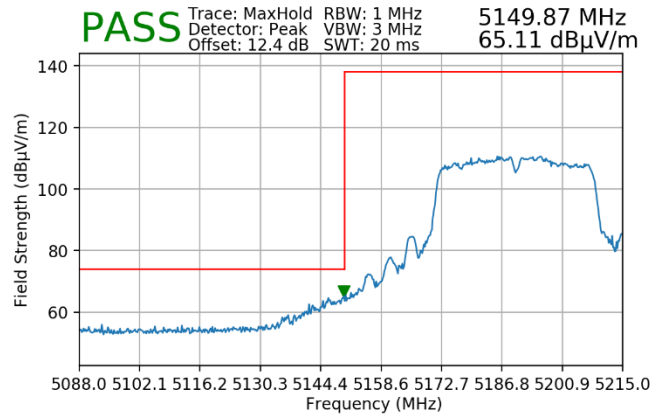
FCC ID: A3LSMX736B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-11.A3L	Test Dates: 6/3 - 7/8/2025	EUT Type: Portable Tablet	Page 97 of 114

7.6.3 MIMO Radiated Band Edge Measurements (40MHz BW)

Worst Case Mode:	802.11n
Worst Case Transfer Rate:	MCS8
Distance of Measurements:	3 Meters
Operating Frequency:	5190MHz
Channel:	38

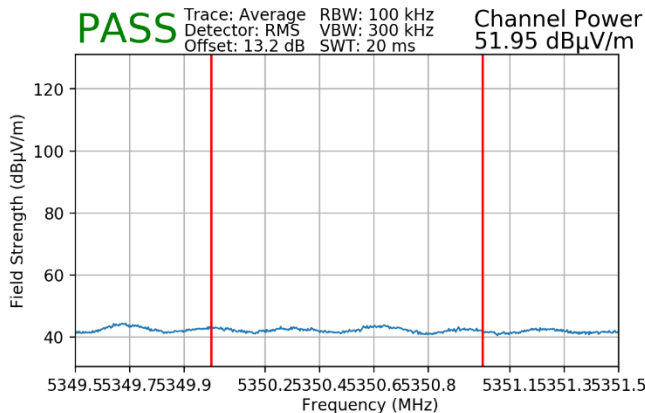


Plot 7-123. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1)

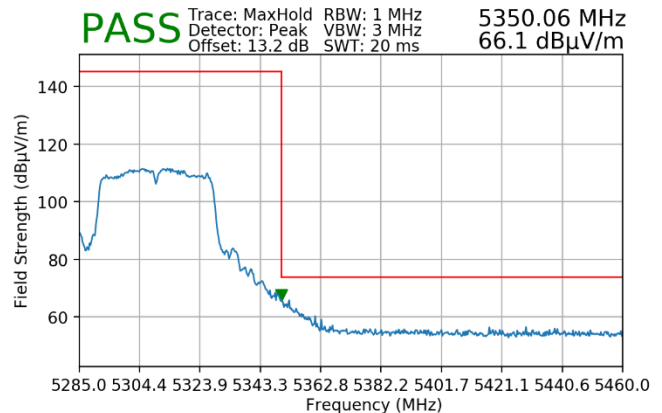


Plot 7-124. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1)

Worst Case Mode:	802.11n
Worst Case Transfer Rate:	MCS8
Distance of Measurements:	3 Meters
Operating Frequency:	5310MHz
Channel:	62



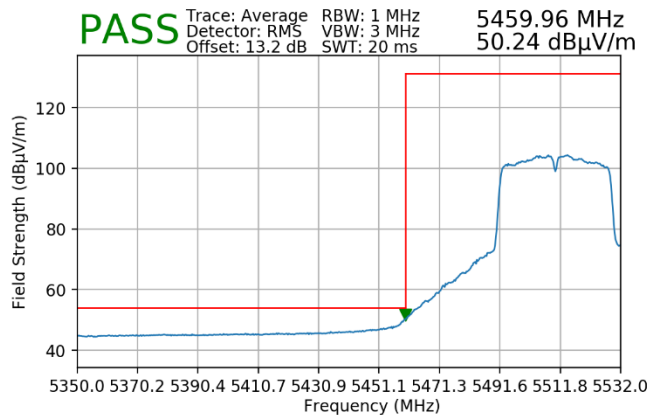
Plot 7-125. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A)



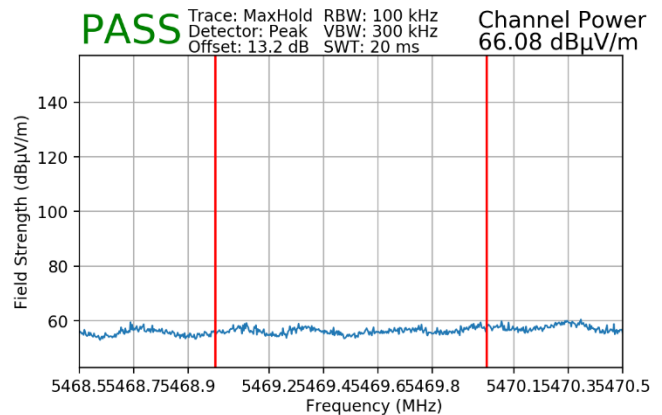
Plot 7-126. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A)

FCC ID: A3LSMX736B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-11.A3L	Test Dates: 6/3 - 7/8/2025	EUT Type: Portable Tablet	Page 98 of 114

Worst Case Mode: 802.11n
 Worst Case Transfer Rate: MCS8
 Distance of Measurements: 3 Meters
 Operating Frequency: 5510MHz
 Channel: 102

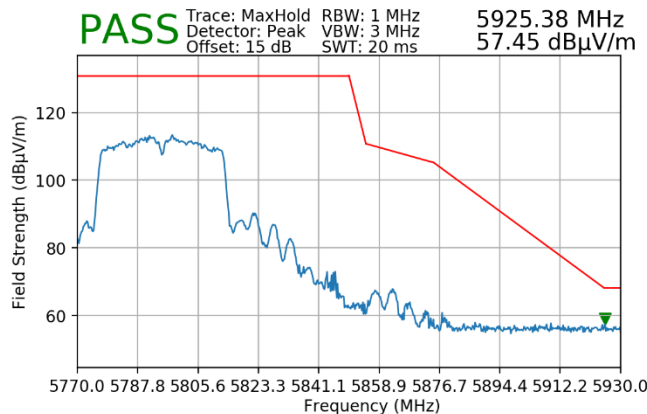


Plot 7-127. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C)



Plot 7-128. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C)

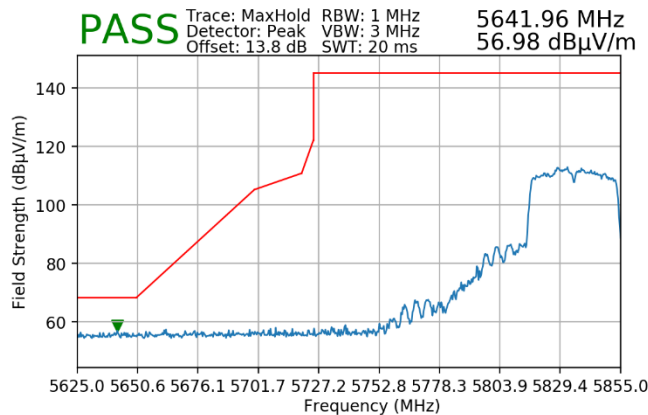
Worst Case Mode: 802.11ac
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5795MHz
 Channel: 159



Plot 7-129. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 3)

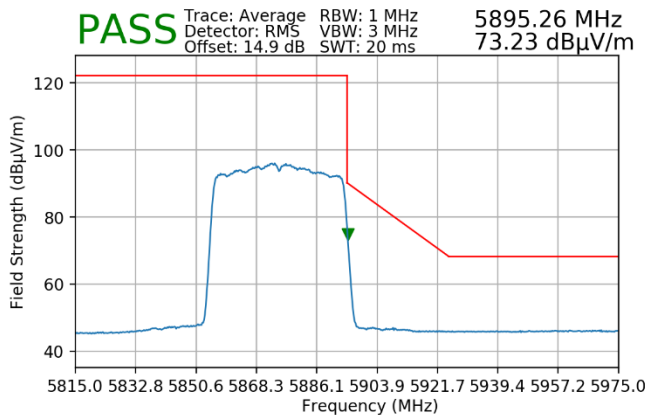
FCC ID: A3LSMX736B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-11.A3L	Test Dates: 6/3 - 7/8/2025	EUT Type: Portable Tablet	Page 99 of 114

Worst Case Mode: 802.11n
 Worst Case Transfer Rate: MCS8
 Distance of Measurements: 3 Meters
 Operating Frequency: 5835MHz
 Channel: 167

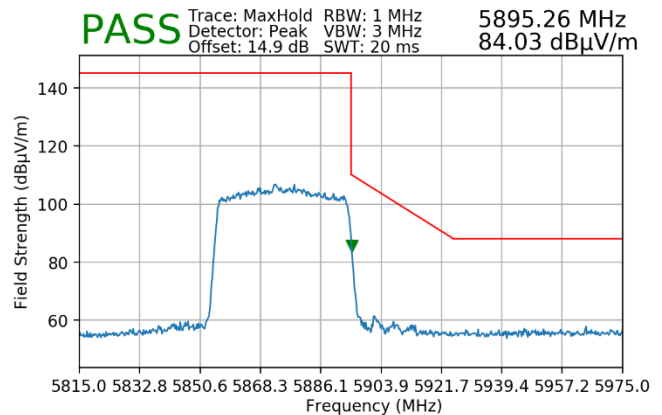


Plot 7-130. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 4)

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



Plot 7-131. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 4)

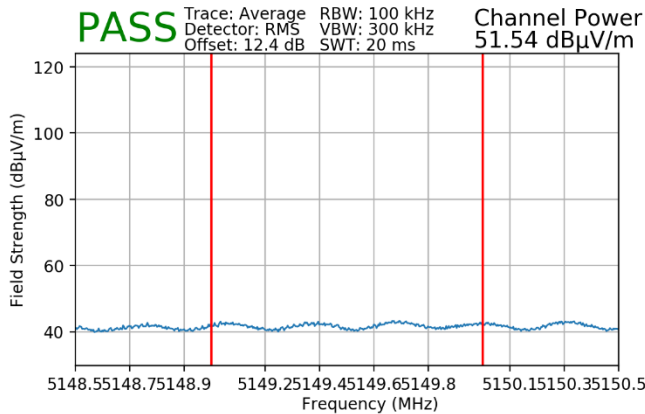


Plot 7-132. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 4)

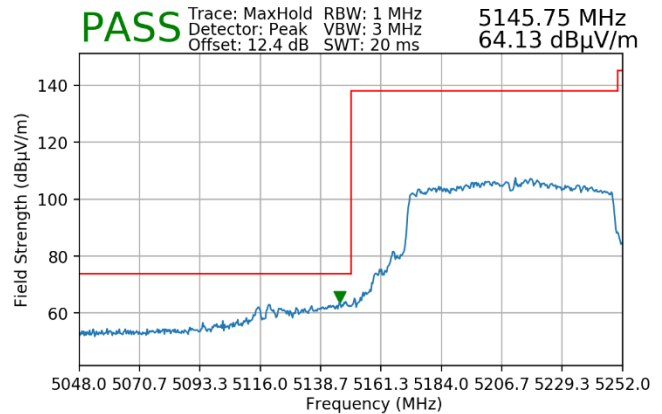
FCC ID: A3LSMX736B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-11.A3L	Test Dates: 6/3 - 7/8/2025	EUT Type: Portable Tablet	Page 100 of 114

7.6.4 MIMO Radiated Band Edge Measurements (80MHz BW)

Worst Case Mode:	802.11ac
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	5210MHz
Channel:	42

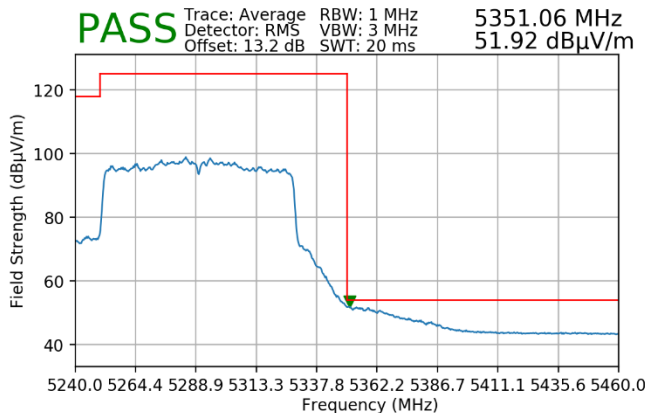


Plot 7-133. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1)

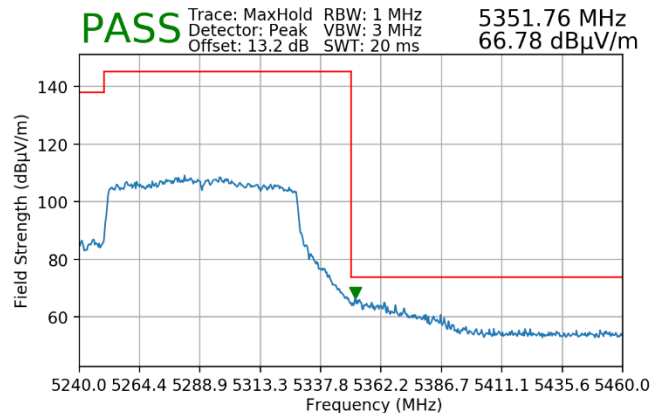


Plot 7-134. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1)

Worst Case Mode:	802.11ac
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	5290MHz
Channel:	58



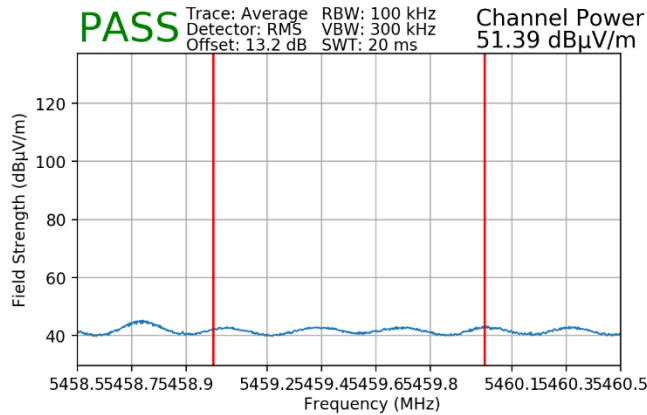
Plot 7-135. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A)



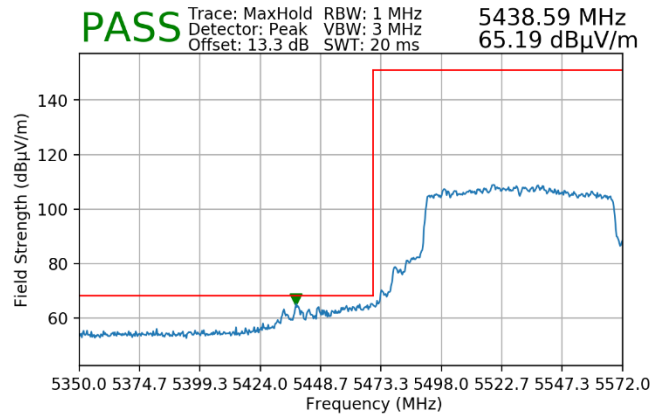
Plot 7-136. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A)

FCC ID: A3LSMX736B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-11.A3L	Test Dates: 6/3 - 7/8/2025	EUT Type: Portable Tablet	Page 101 of 114

Worst Case Mode: 802.11ac
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5530MHz
 Channel: 106

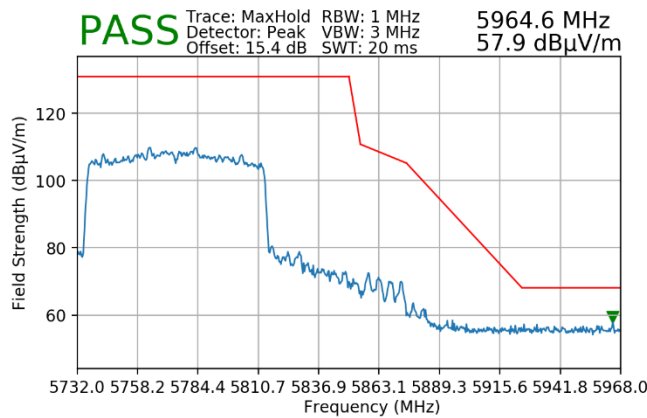


Plot 7-137. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C)



Plot 7-138. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C)

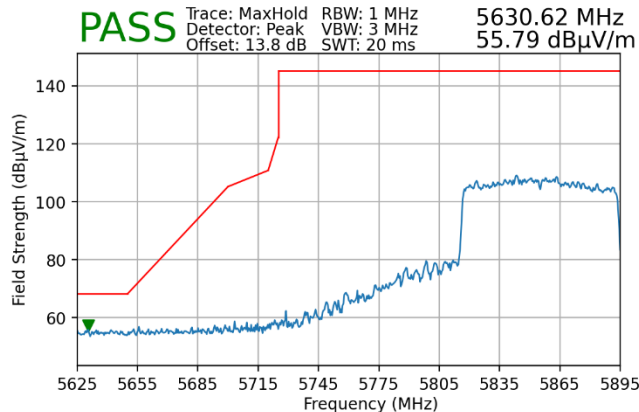
Worst Case Mode: 802.11ac
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5775MHz
 Channel: 155



Plot 7-139. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 3)

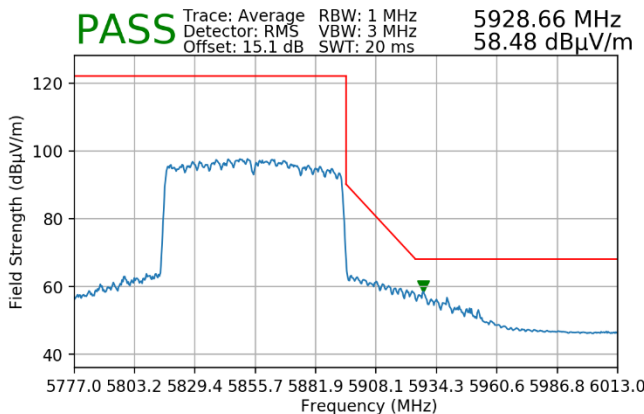
FCC ID: A3LSMX736B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-11.A3L	Test Dates: 6/3 - 7/8/2025	EUT Type: Portable Tablet	Page 102 of 114

Worst Case Mode:	802.11ac
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	5855MHz
Channel:	171

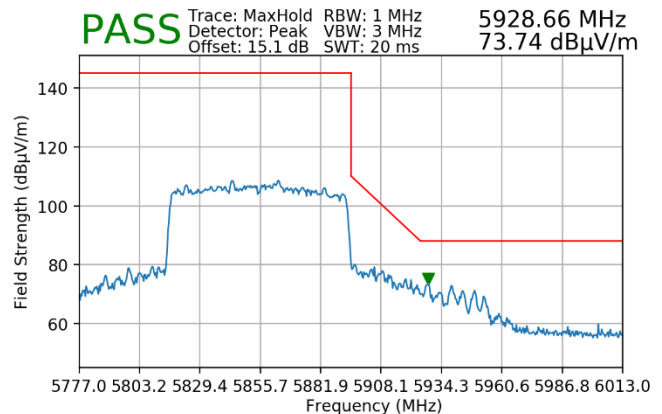


**Plot 7-140. Radiated Lower Band Edge Plot MIMO
(Peak – UNII Band 4)**

Worst Case Mode:	802.11ac
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	5855MHz
Channel:	171



**Plot 7-141. Radiated Upper Band Edge Plot MIMO
(Average – UNII Band 4)**

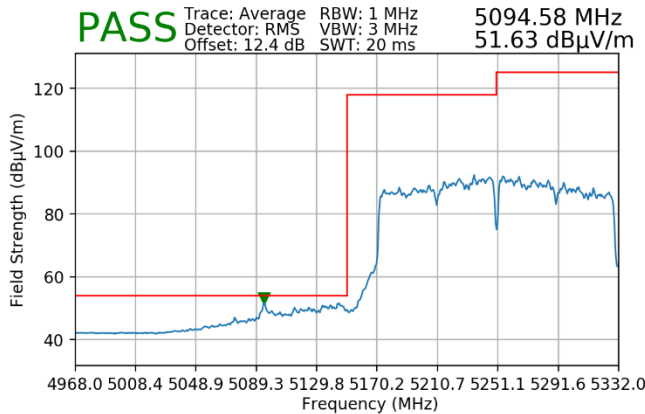


**Plot 7-142. Radiated Upper Band Edge Plot MIMO
(Peak – UNII Band 4)**

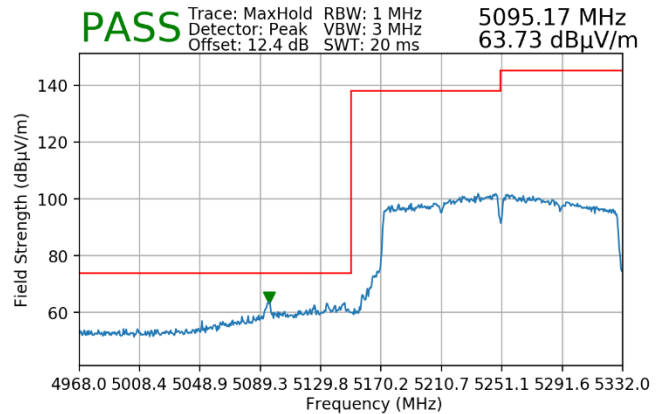
FCC ID: A3LSMX736B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-11.A3L	Test Dates: 6/3 - 7/8/2025	EUT Type: Portable Tablet	Page 103 of 114

7.6.5 MIMO Radiated Band Edge Measurements (160MHz BW)

Worst Case Mode:	802.11ac
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	5250MHz
Channel:	50

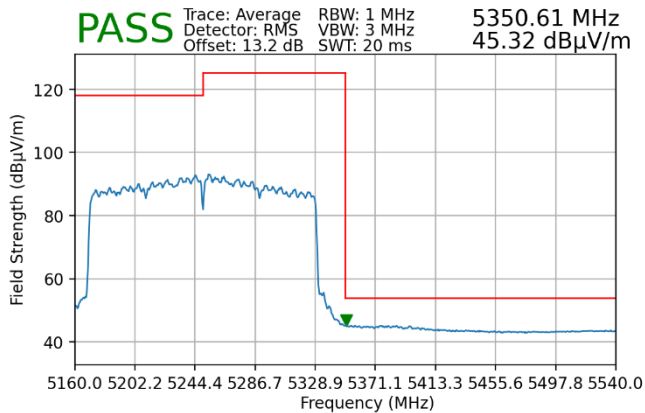


Plot 7-143. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1)

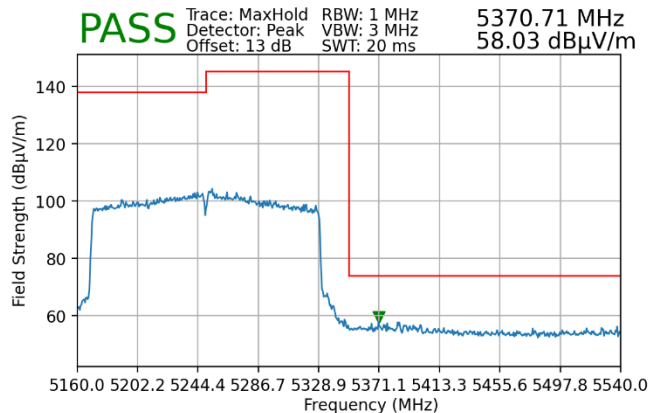


Plot 7-144. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1)

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



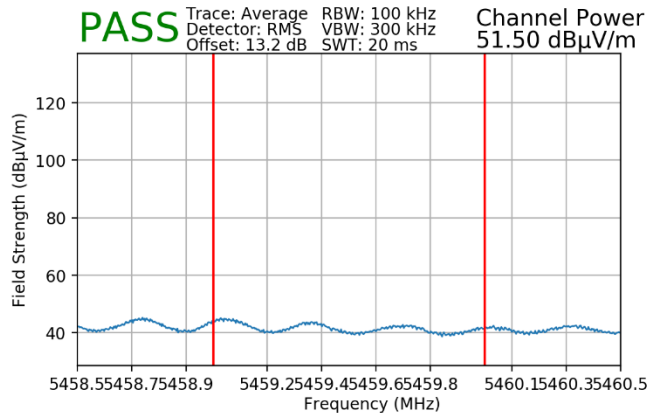
Plot 7-145. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A)



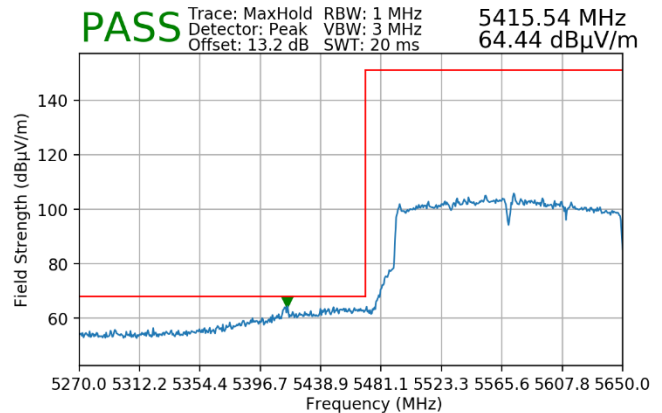
Plot 7-146. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A)

FCC ID: A3LSMX736B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-11.A3L	Test Dates: 6/3 - 7/8/2025	EUT Type: Portable Tablet	Page 104 of 114

Worst Case Mode: 802.11ac
Worst Case Transfer Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 5570MHz
Channel: 114

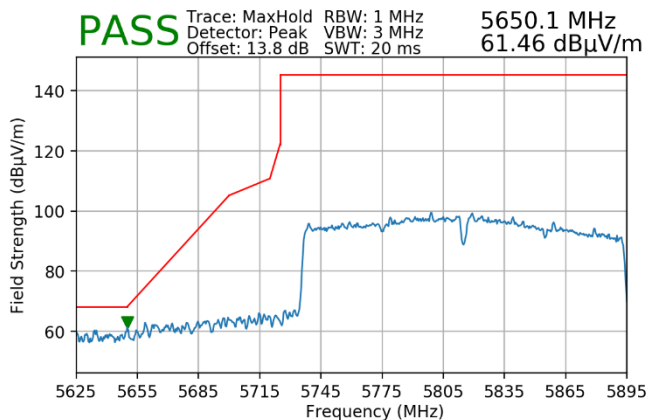


Plot 7-147. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C)



Plot 7-148. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C)

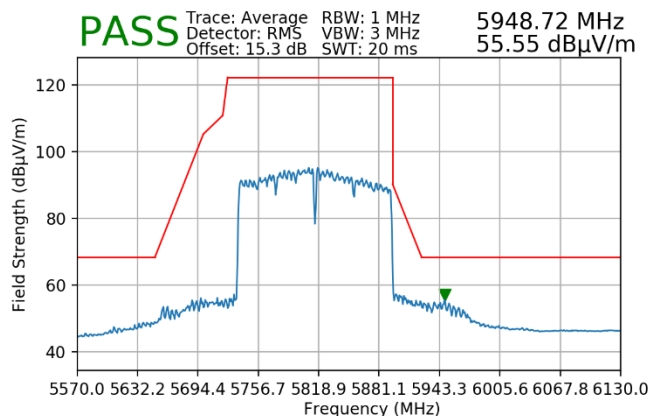
Worst Case Mode: 802.11ac
Worst Case Transfer Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 5815MHz
Channel: 163



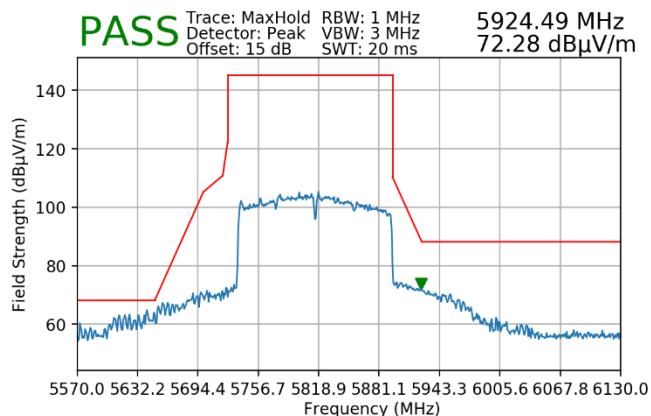
Plot 7-149. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 4)

FCC ID: A3LSMX736B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-11.A3L	Test Dates: 6/3 - 7/8/2025	EUT Type: Portable Tablet	Page 105 of 114

Worst Case Mode:	802.11ac
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	5815MHz
Channel:	163



**Plot 7-150. Radiated Lower Band Edge Plot MIMO
(Average – UNII Band 4)**



**Plot 7-151. Radiated Lower Band Edge Plot MIMO
(Peak – UNII Band 4)**

FCC ID: A3LSMX736B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-11.A3L	Test Dates: 6/3 - 7/8/2025	EUT Type: Portable Tablet	Page 106 of 114

7.7 Line-Conducted Test Data

Test Overview and Limit

All AC line conducted spurious emissions are measured with a receiver connected to a grounded LISN while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates and modes were investigated for conducted spurious emissions. Only the conducted emissions of the configuration that produced the worst-case emissions are reported in this section.

All conducted emissions must not exceed the limits shown in the table below per FCC §15.207 and RSS-Gen (8.8).

Frequency of emission (MHz)	Conducted Limit (dBμV)	
	Quasi-peak	Average
0.15 – 0.5	66 to 56*	56 to 46*
0.5 – 5	56	46
5 – 30	60	50

Table 7-28. Conducted Limits

*Decreases with the logarithm of the frequency.

Test Procedures Used

ANSI C63.10:2020, Section 6.2

Test Settings

Quasi-Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the spurious emission of interest
2. RBW = 9kHz (for emissions from 150kHz – 30MHz)
3. Detector = quasi-peak
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

Average Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the spurious emission of interest
2. RBW = 9kHz (for emissions from 150kHz – 30MHz)
3. Detector = RMS
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

FCC ID: A3LSMX736B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-11.A3L	Test Dates: 6/3 - 7/8/2025	EUT Type: Portable Tablet	Page 107 of 114

Test Setup

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

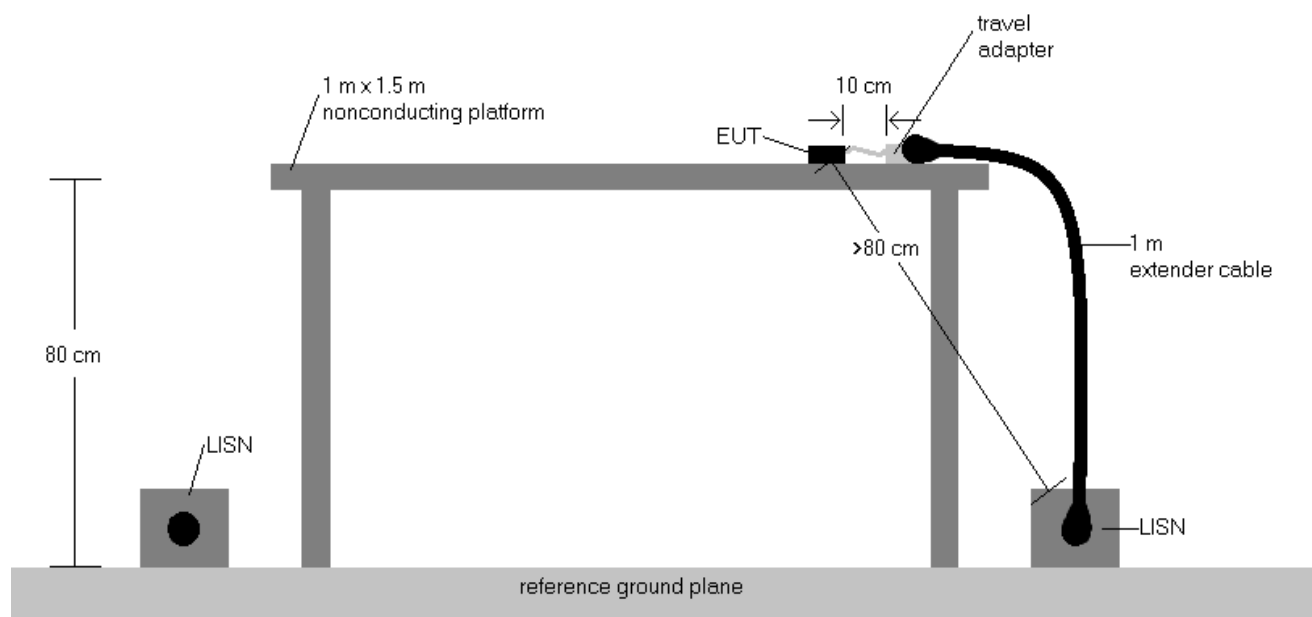
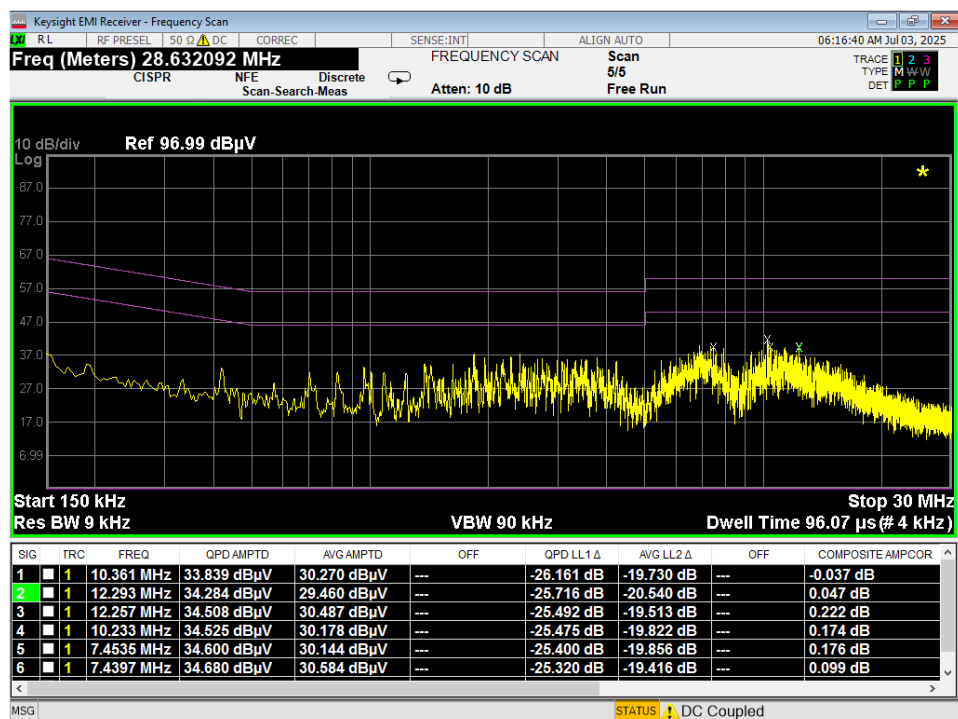


Figure 7-8. Test Instrument & Measurement Setup

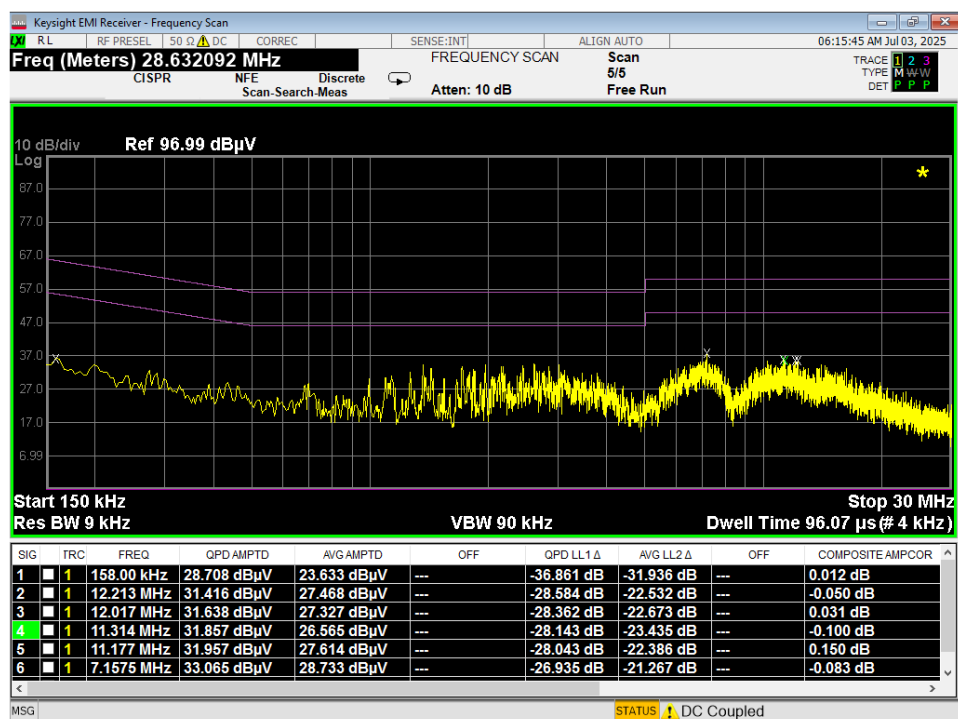
Test Notes

1. All modes of operation were investigated, and the worst-case emissions are reported using mid channel. The emissions found were not affected by the choice of channel used during testing.
2. The limit for an intentional radiator from 150kHz to 30MHz is specified in §15.207 and RSS-Gen (8.8).
3. $\text{Corr. (dB)} = \text{Cable loss (dB)} + \text{LISN insertion factor (dB)}$
4. $\text{QP/AV Level (dB}\mu\text{V)} = \text{QP/AV Analyzer/Receiver Level (dB}\mu\text{V)} + \text{Corr. (dB)}$
5. $\text{Margin (dB)} = \text{QP/AV Limit (dB}\mu\text{V)} - \text{QP/AV Level (dB}\mu\text{V)}$
6. Traces shown in plot are made using a peak detector.
7. Deviations to the Specifications: None.

FCC ID: A3LSMX736B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-11.A3L	Test Dates: 6/3 - 7/8/2025	EUT Type: Portable Tablet	Page 108 of 114

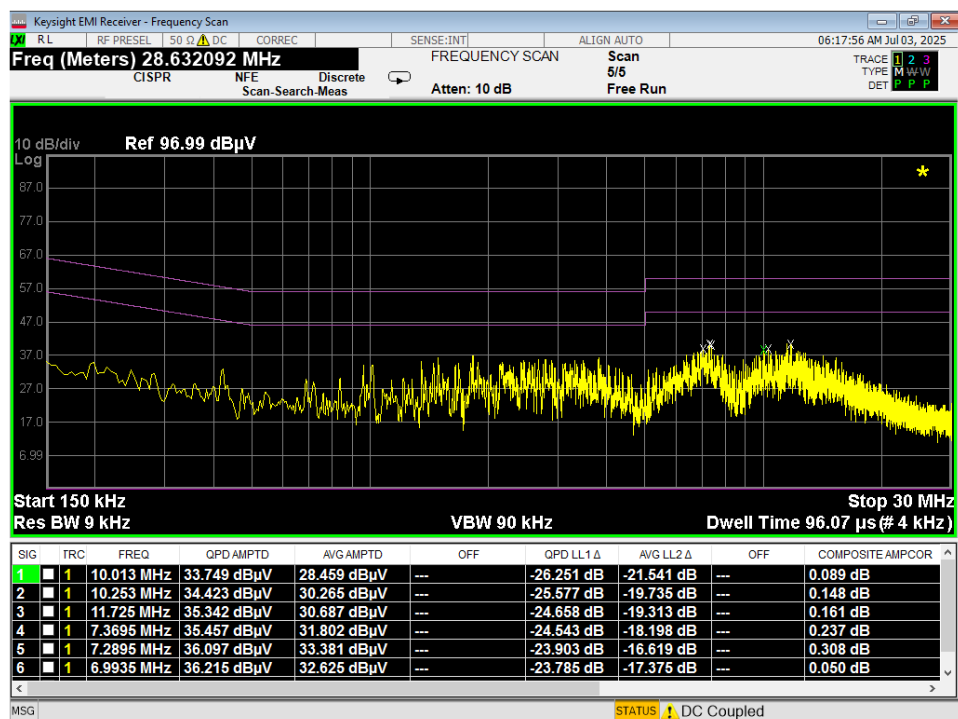


Plot 7-152. Line Conducted Plot with 802.11a UNII Band 1 (L1)

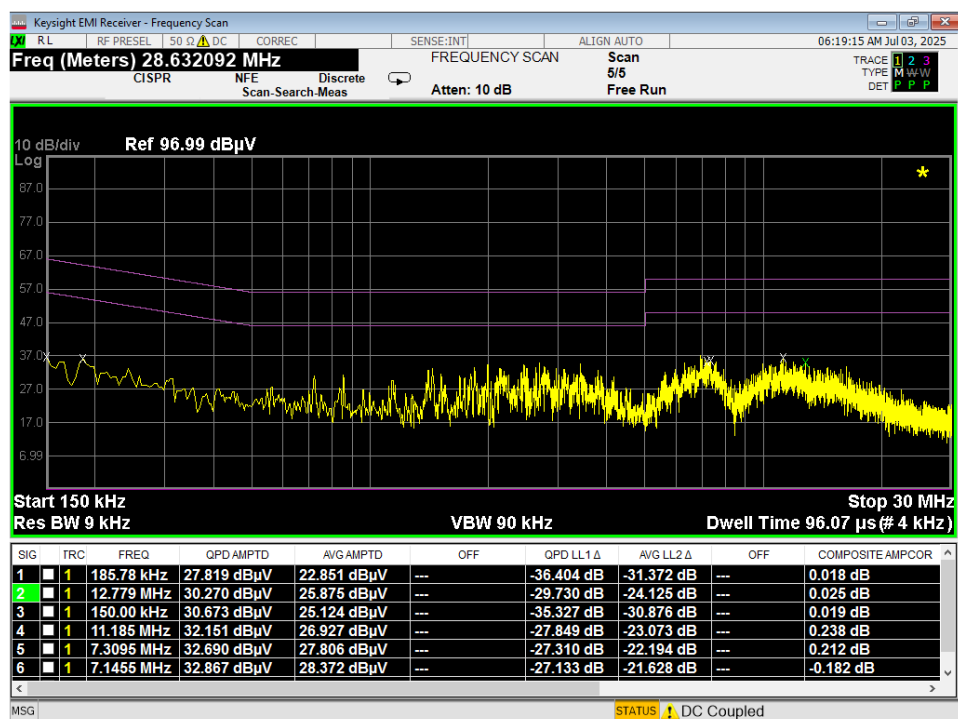


Plot 7-153. Line Conducted Plot with 802.11a UNII Band 1 (N)

FCC ID: A3LSMX736B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-11.A3L	Test Dates: 6/3 - 7/8/2025	EUT Type: Portable Tablet	Page 109 of 114

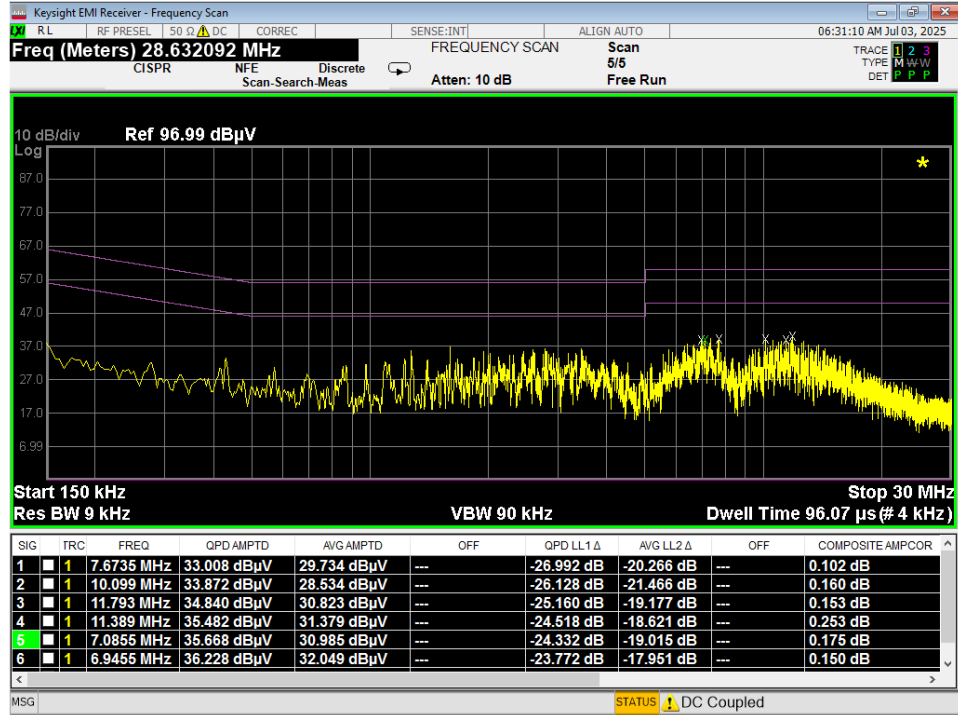


Plot 7-154. Line Conducted Plot with 802.11a UNII Band 2A (L1)

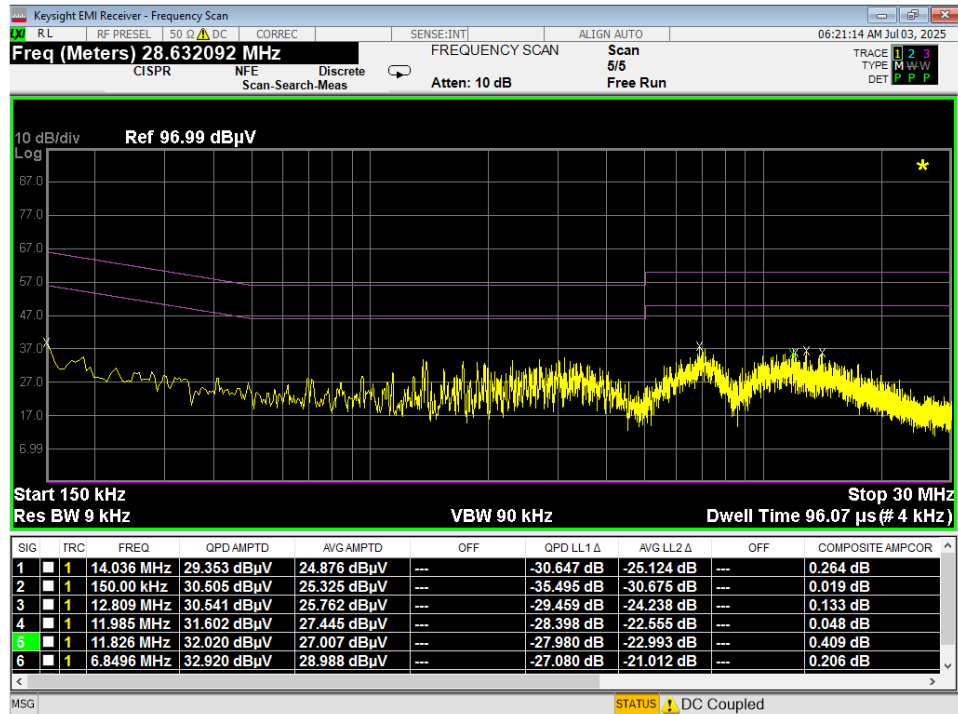


Plot 7-155. Line Conducted Plot with 802.11a UNII Band 2A (N)

FCC ID: A3LSMX736B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-11.A3L	Test Dates: 6/3 - 7/8/2025	EUT Type: Portable Tablet	Page 110 of 114

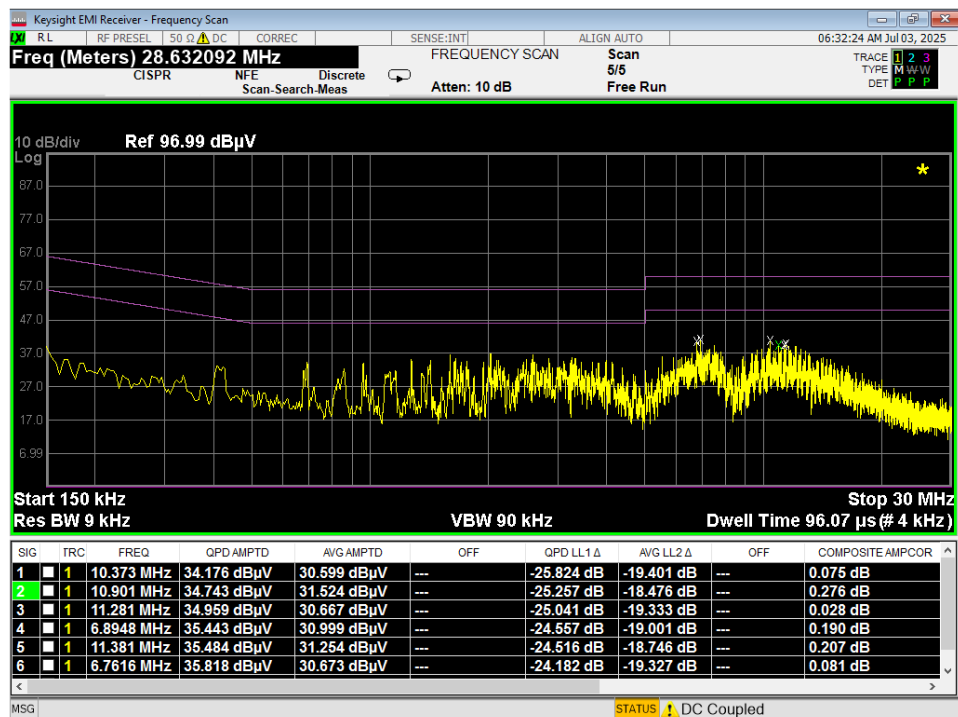


Plot 7-156. Line Conducted Plot with 802.11a UNII Band 2C (L1)

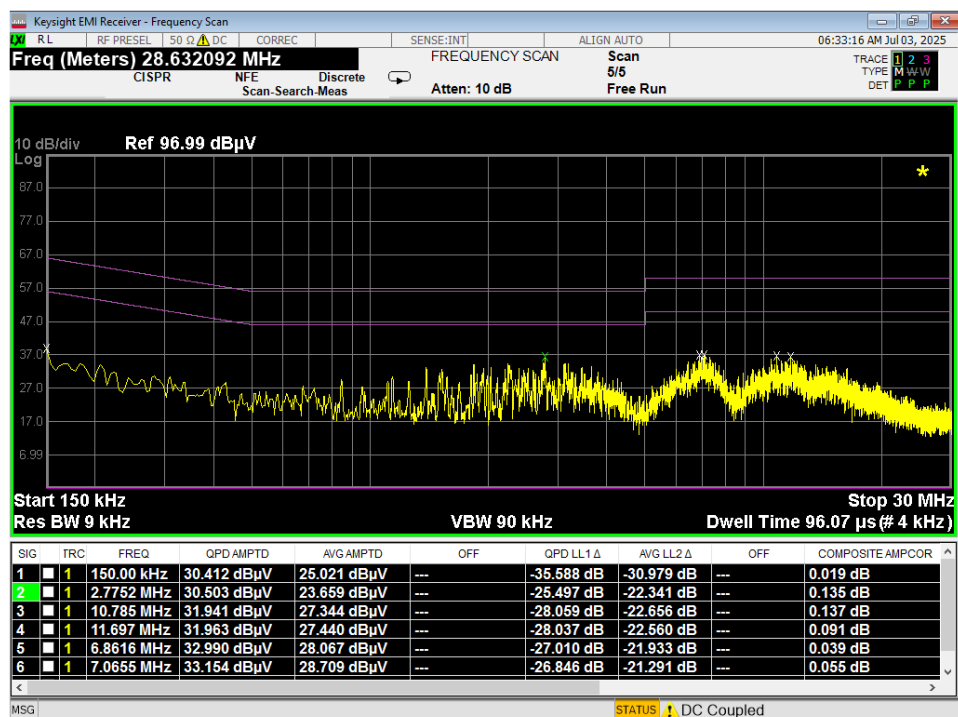


Plot 7-157. Line Conducted Plot with 802.11a UNII Band 2C (N)

FCC ID: A3LSMX736B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-11.A3L	Test Dates: 6/3 - 7/8/2025	EUT Type: Portable Tablet	Page 111 of 114

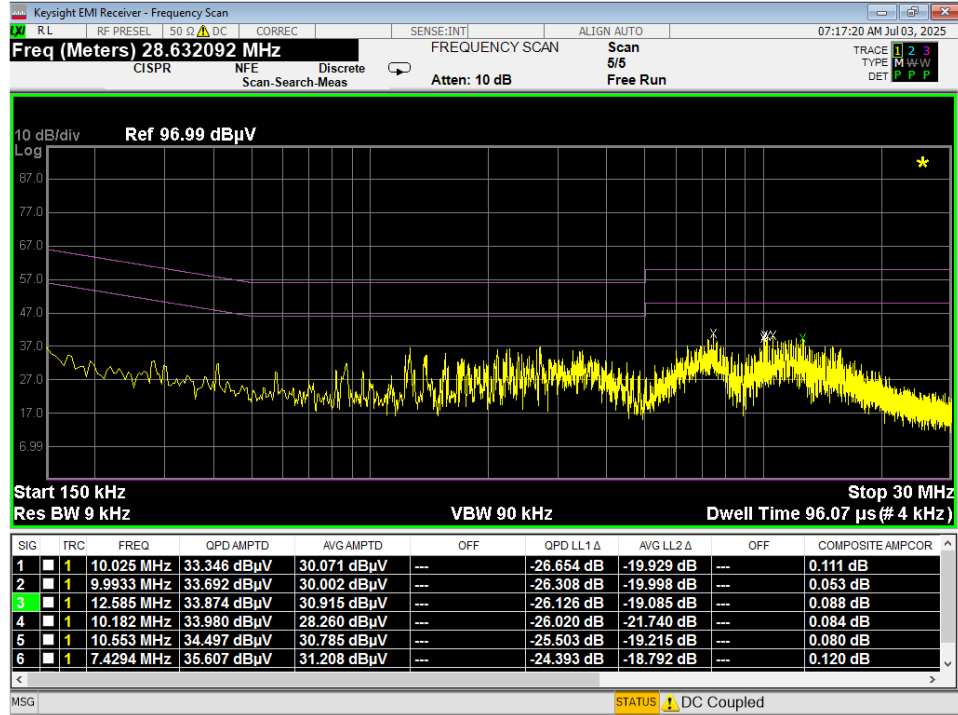


Plot 7-158. Line Conducted Plot with 802.11a UNII Band 3 (L1)

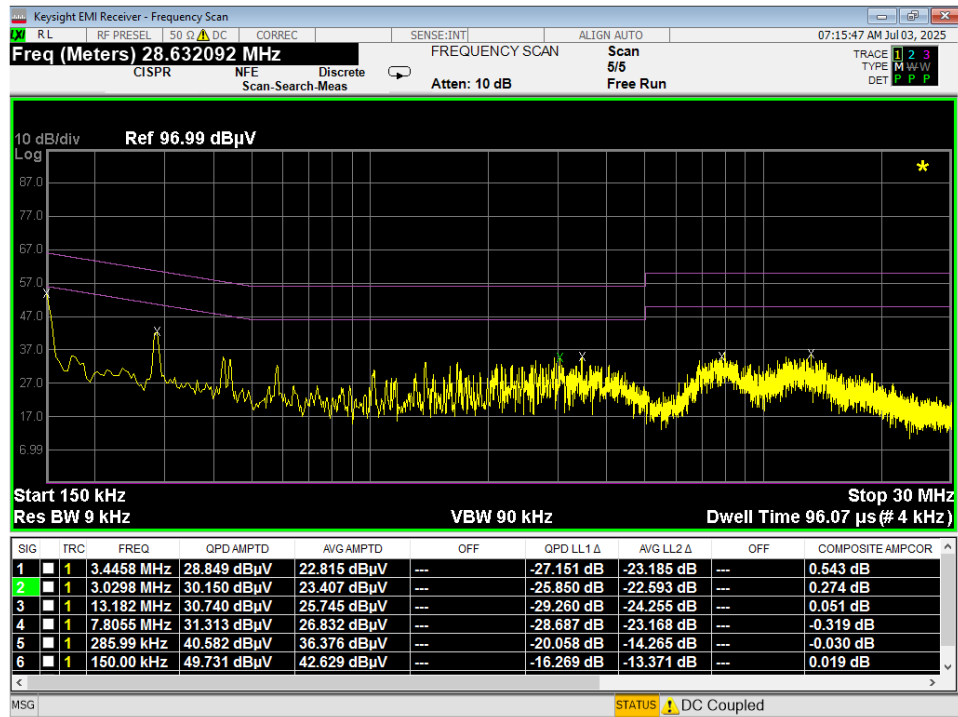


Plot 7-159. Line Conducted Plot with 802.11a UNII Band 3 (N)

FCC ID: A3LSMX736B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-11.A3L	Test Dates: 6/3 - 7/8/2025	EUT Type: Portable Tablet	Page 112 of 114



Plot 7-160. Line Conducted Plot with 802.11a UNII Band 4 (L1)



Plot 7-161. Line Conducted Plot with 802.11a UNII Band 4 (N)

FCC ID: A3LSMX736B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-11.A3L	Test Dates: 6/3 - 7/8/2025	EUT Type: Portable Tablet	Page 113 of 114

8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Samsung Portable Tablet FCC ID: A3LSMX736B** is in compliance with Part 15 Subpart E (15.407) of the FCC Rules.

FCC ID: A3LSMX736B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130050-11.A3L	Test Dates: 6/3 - 7/8/2025	EUT Type: Portable Tablet	Page 114 of 114