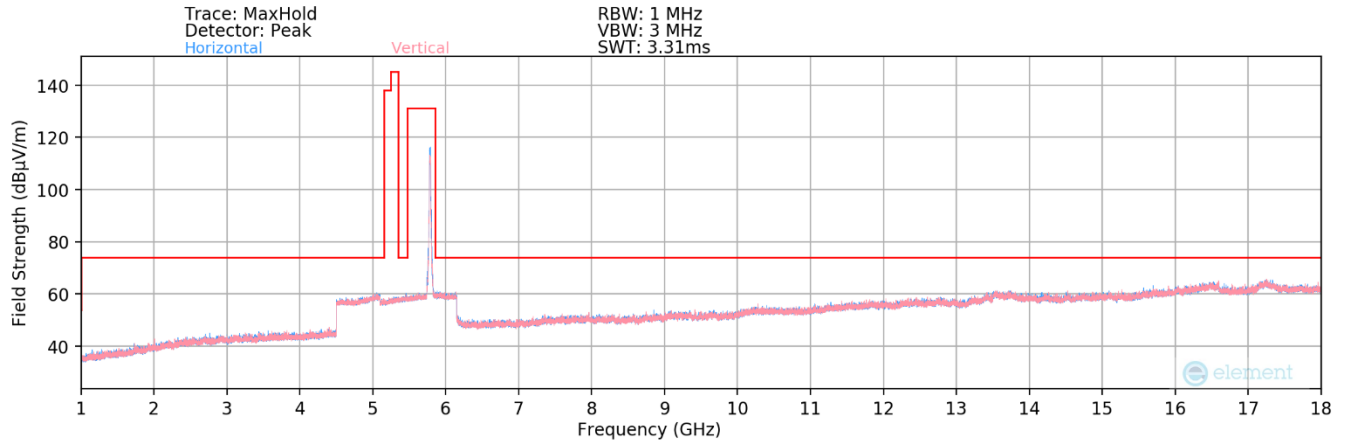
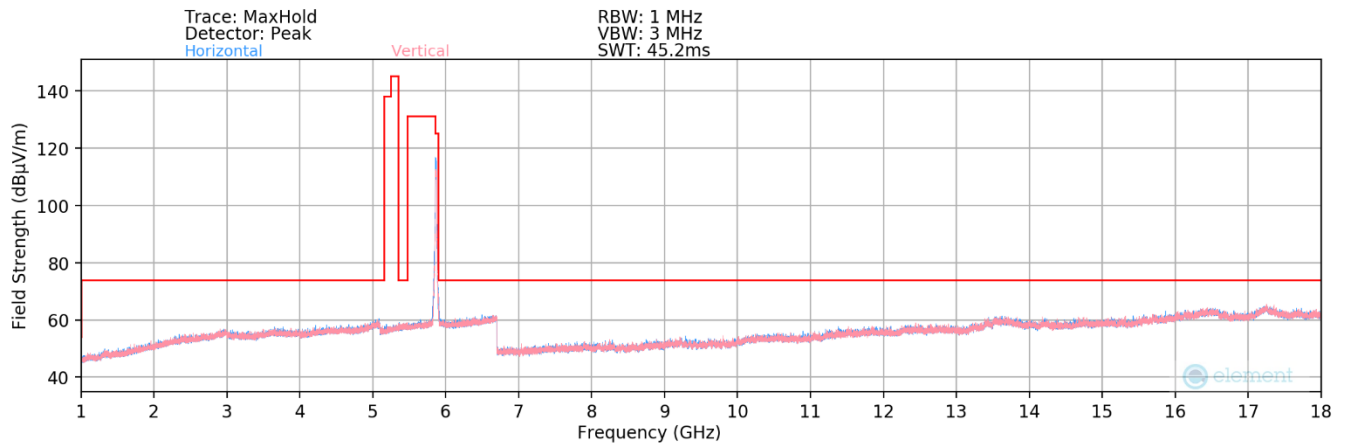
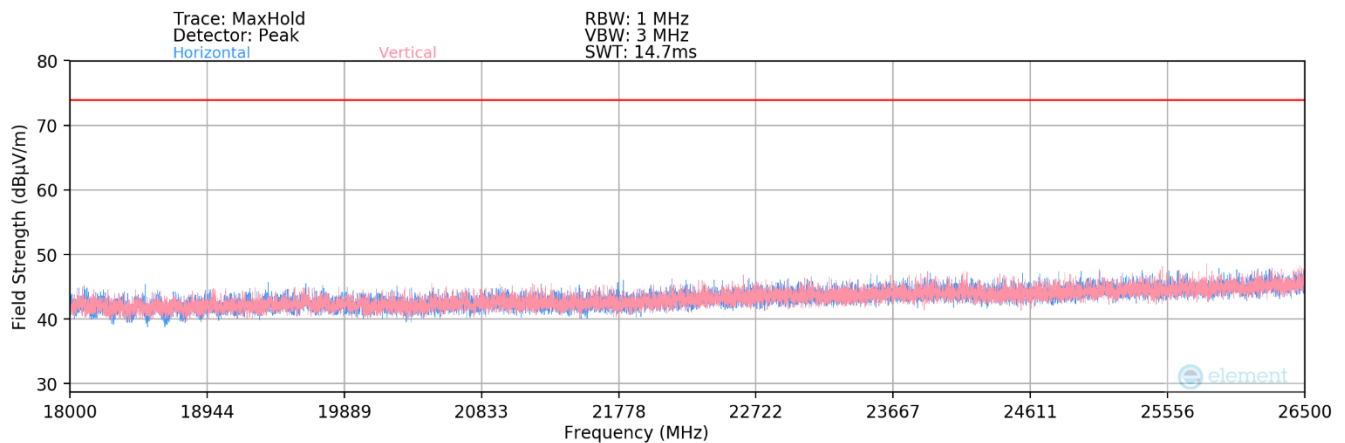




Plot 7-105. Radiated Spurious Plot above 1GHz MIMO (802.11a – UNII Band 3 Ch. 157)

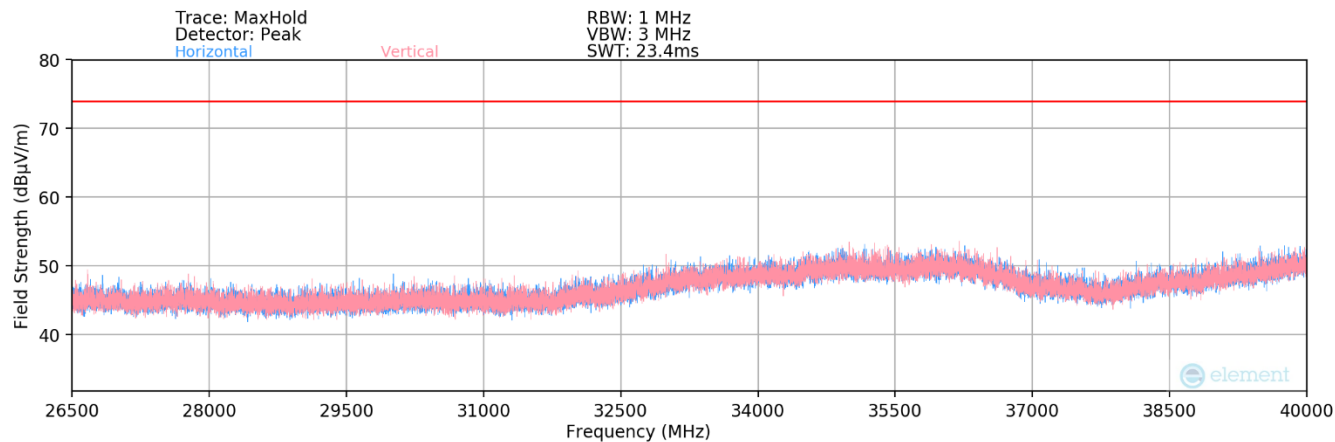


Plot 7-106. Radiated Spurious Plot above 1GHz MIMO (802.11a – UNII Band 4 Ch. 173)



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

FCC ID: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130049-07.A3L	Test Dates: 6/3 - 7/17/2025	EUT Type: Portable Tablet	Page 89 of 117



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

FCC ID: A3LSMX730 IC: 649E-SMX730		MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130049-07.A3L	Test Dates: 6/3 - 7/17/2025	EUT Type: Portable Tablet		Page 90 of 117

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: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2505130049-07.A3L	Test Dates: 6/3 - 7/17/2025	EUT Type: Portable Tablet		Page 91 of 117



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: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130049-07.A3L	Test Dates: 6/3 - 7/17/2025	EUT Type: Portable Tablet	Page 92 of 117

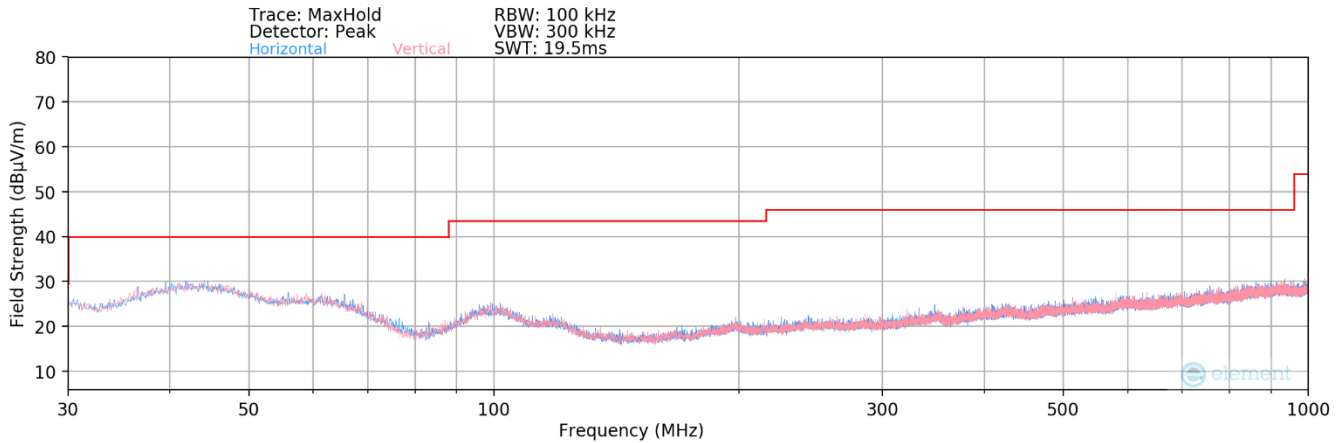
MIMO Radiated Spurious Emission Measurements – UNII Band 4

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

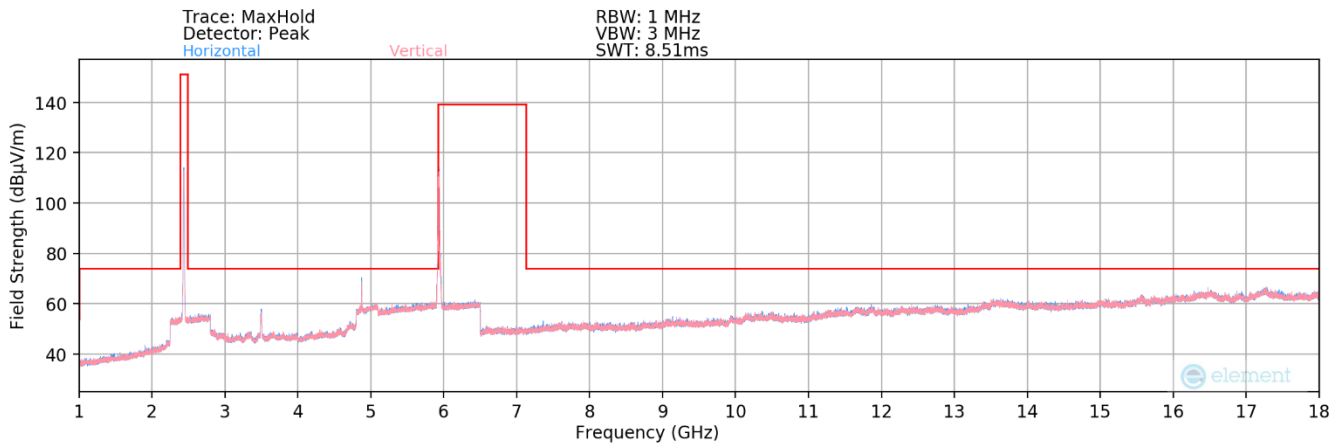
Table 7-26. Radiated Measurements MIMO

FCC ID: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130049-07.A3L	Test Dates: 6/3 - 7/17/2025	EUT Type: Portable Tablet	Page 93 of 117

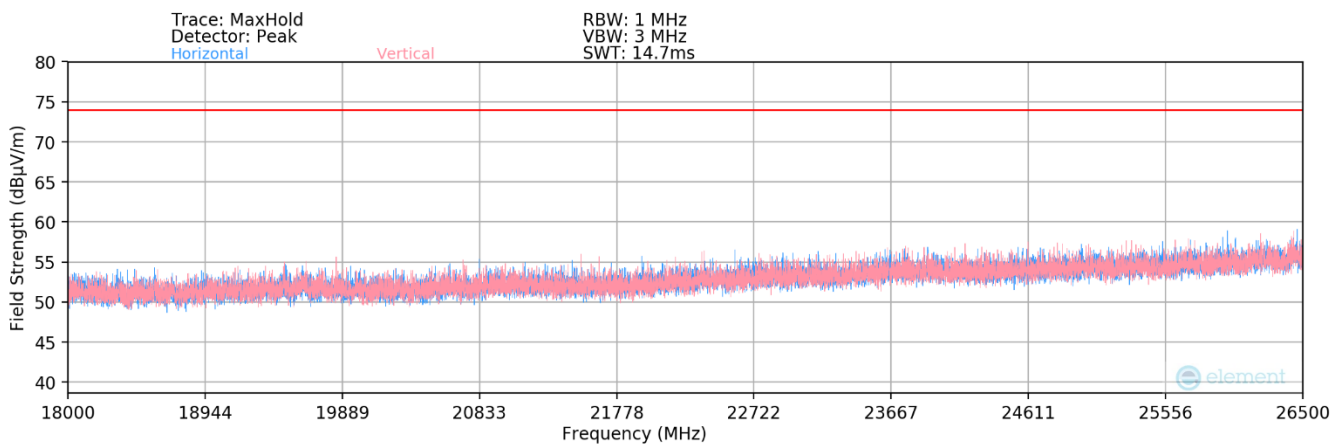
Simultaneous Transmission – 2.4GHz + 5GHz



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

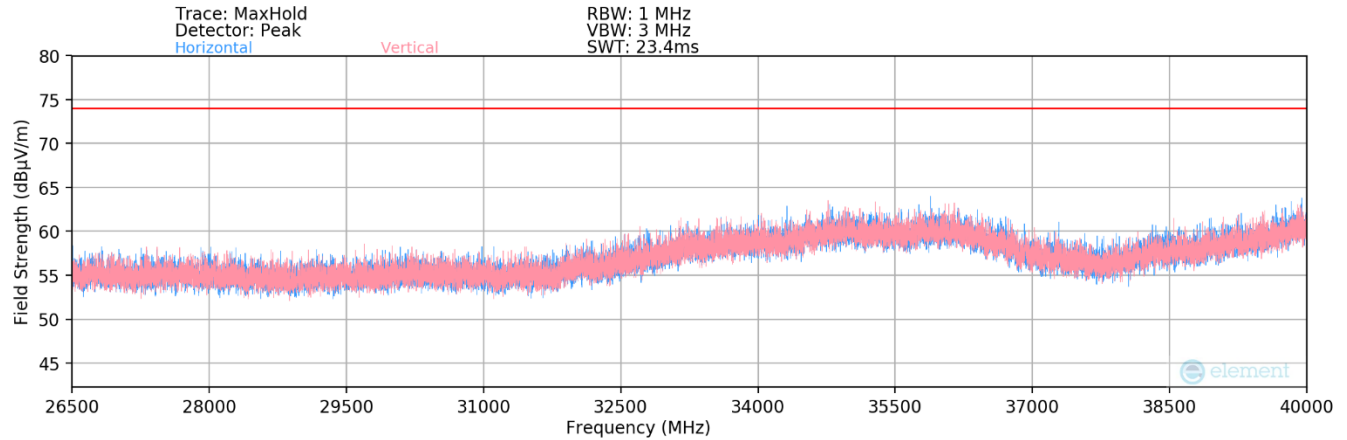


Plot 7-110. Radiated Spurious Plot below 1-18GHz MIMO 802.11b (2.4GHz – Ch.6) + MIMO 802.11a (5GHz – Ch. 120)



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: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130049-07.A3L	Test Dates: 6/3 - 7/17/2025	EUT Type: Portable Tablet	Page 94 of 117



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

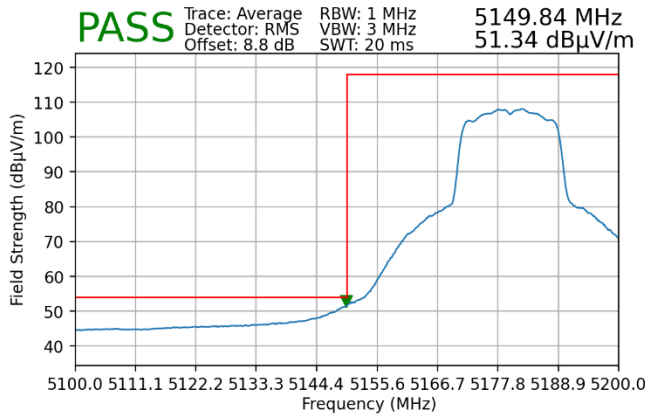
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
726.00	Peak	H	-	-	-76.37	-2.87	0.00	27.76	46.02	-18.26
1711.00	Peak	H	-	-	-66.83	0.81	0.00	40.98	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

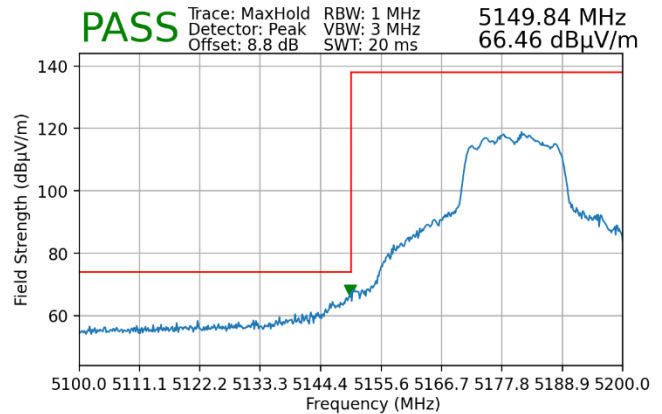
FCC ID: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130049-07.A3L	Test Dates: 6/3 - 7/17/2025	EUT Type: Portable Tablet	Page 95 of 117

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

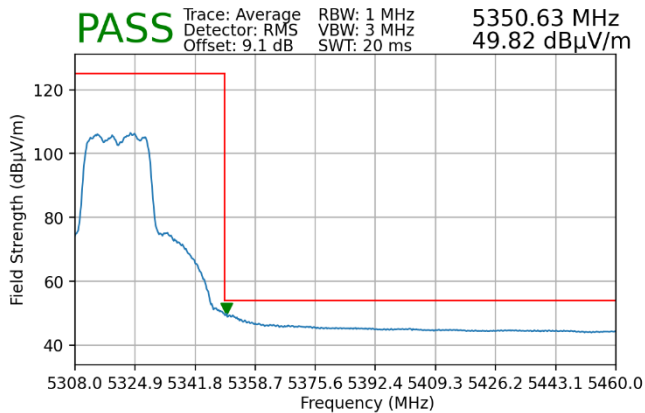


Plot 7-113. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1)

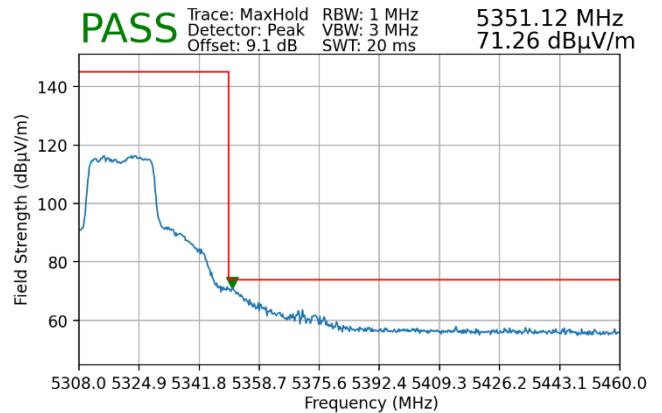


Plot 7-114. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1)

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



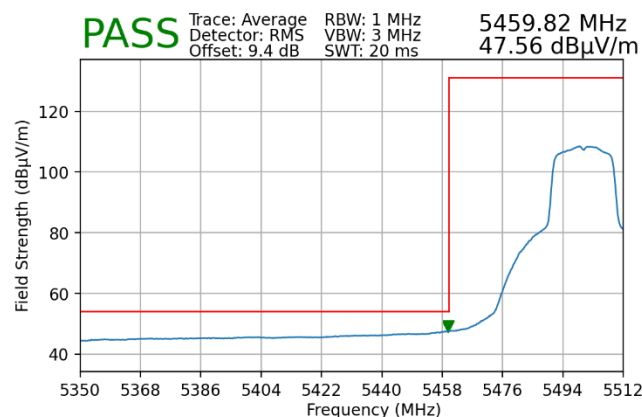
Plot 7-115. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A)



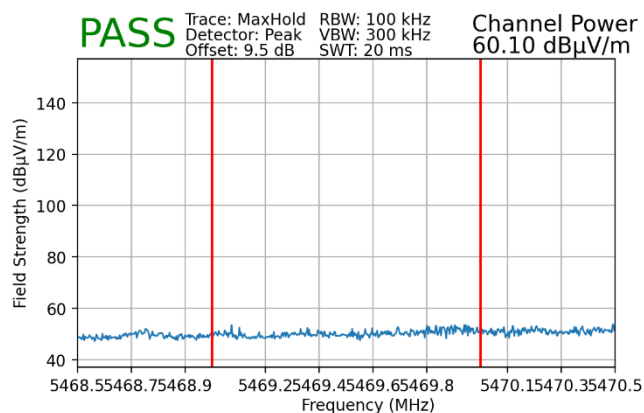
Plot 7-116. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A)

FCC ID: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130049-07.A3L	Test Dates: 6/3 - 7/17/2025	EUT Type: Portable Tablet	Page 96 of 117

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

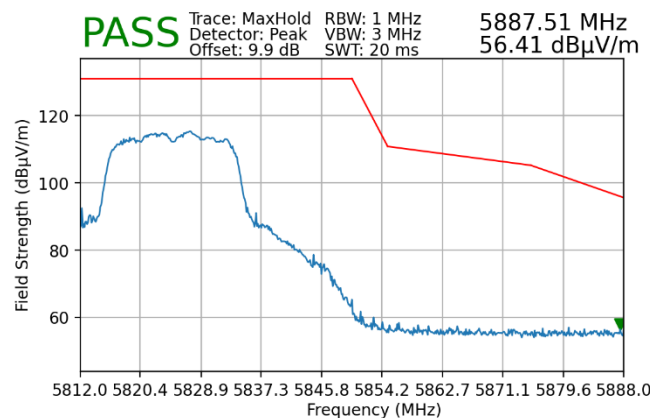


Plot 7-117. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C)



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

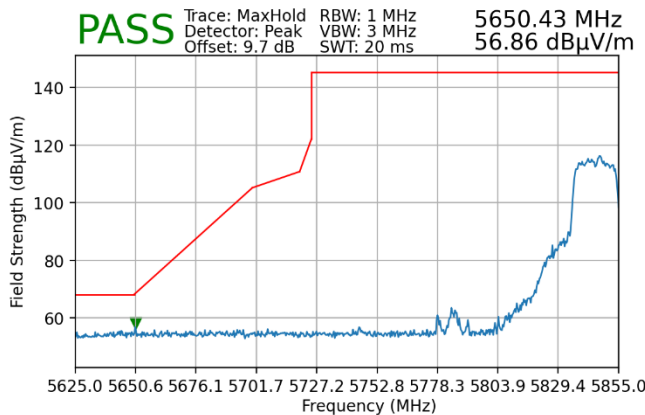
Worst Case Mode: 802.11n
 Worst Case Transfer Rate: MCS8
 Distance of Measurements: 3 Meters
 Operating Frequency: 5825MHz
 Channel: 165



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

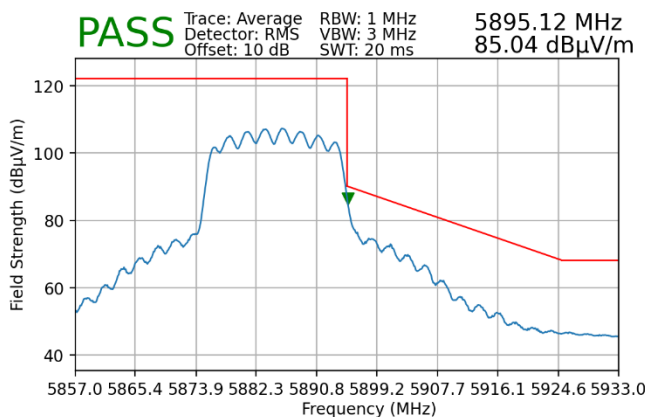
FCC ID: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130049-07.A3L	Test Dates: 6/3 - 7/17/2025	EUT Type: Portable Tablet	Page 97 of 117

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

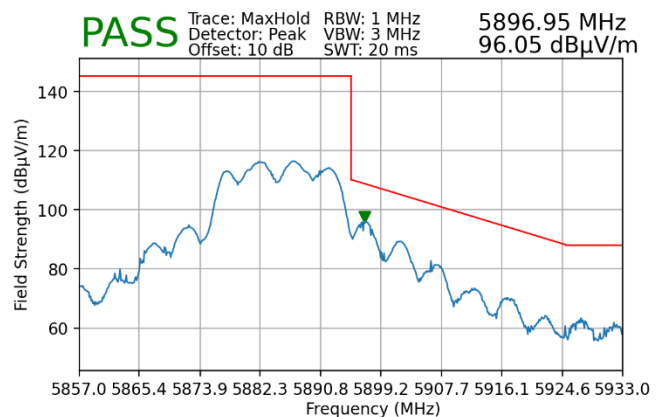


Plot 7-120. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 4)

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)

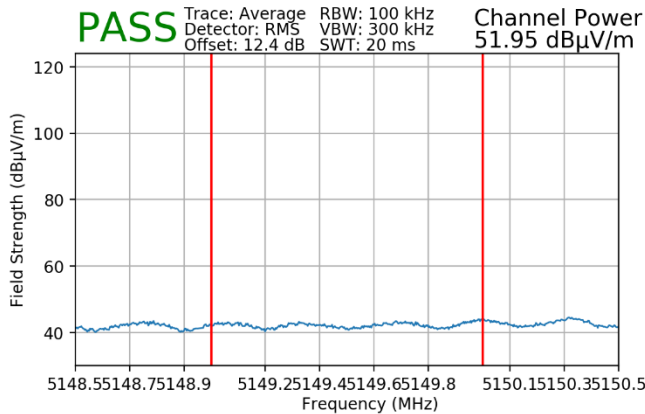


Plot 7-122. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 4)

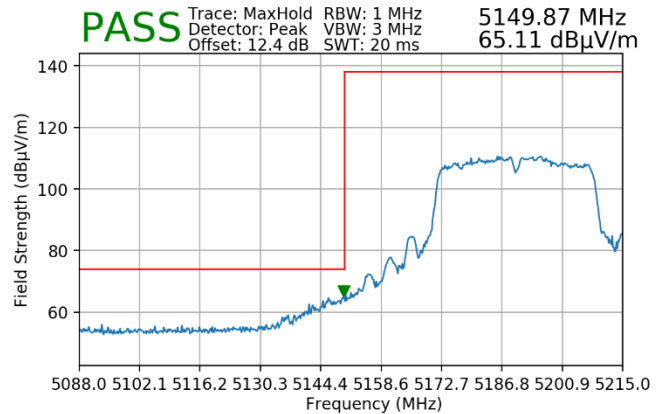
FCC ID: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130049-07.A3L	Test Dates: 6/3 - 7/17/2025	EUT Type: Portable Tablet	Page 98 of 117

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

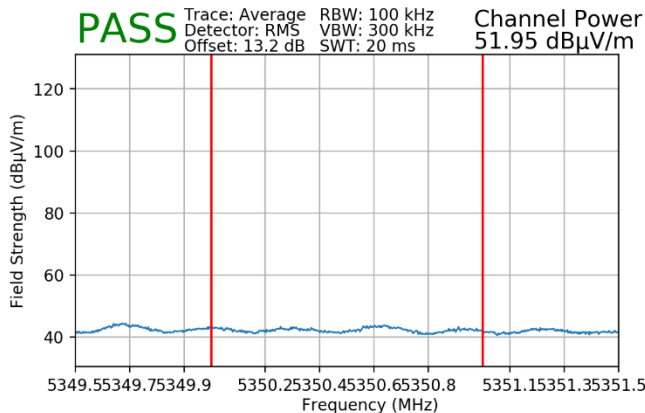


Plot 7-123. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1)

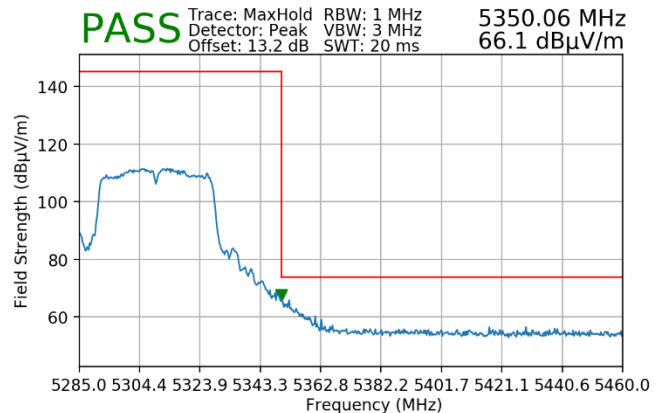


Plot 7-124. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1)

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



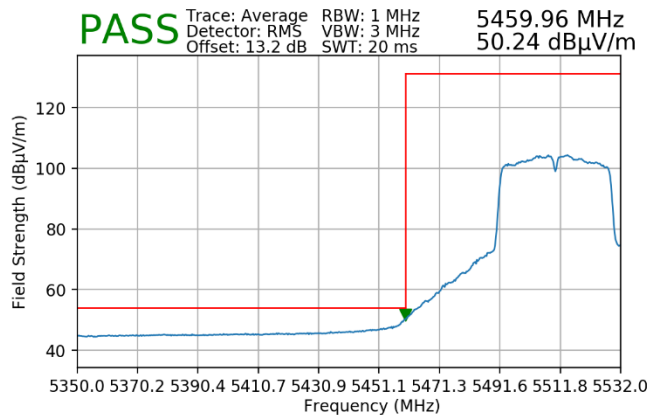
Plot 7-125. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A)



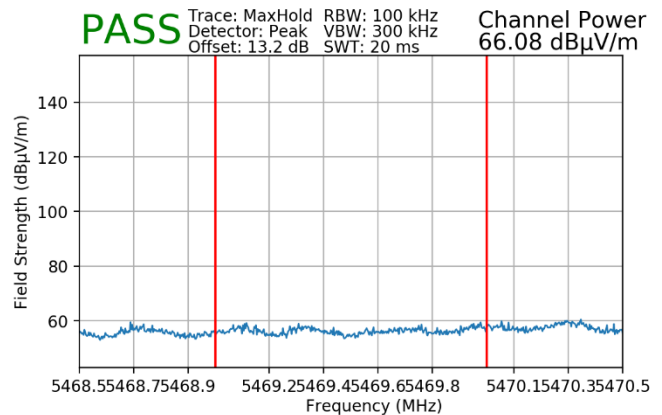
Plot 7-126. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A)

FCC ID: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT		Approved by: Technical Manager
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Worst Case Mode: 802.11n
 Worst Case Transfer Rate: MCS8
 Distance of Measurements: 3 Meters
 Operating Frequency: 5510MHz
 Channel: 102

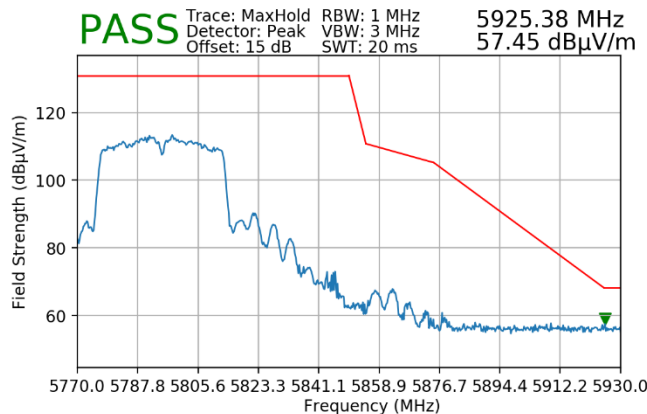


Plot 7-127. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C)



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

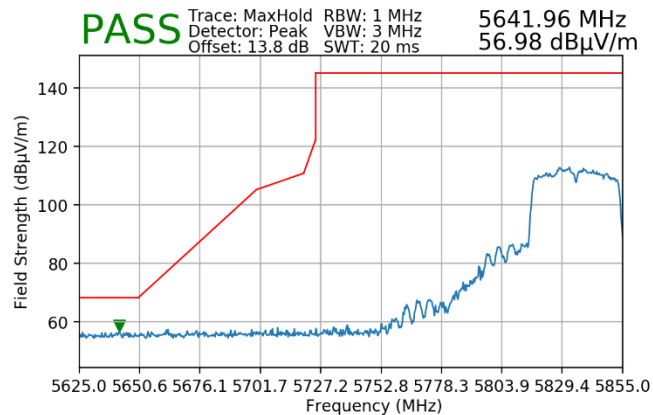
Worst Case Mode: 802.11ac
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5795MHz
 Channel: 159



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

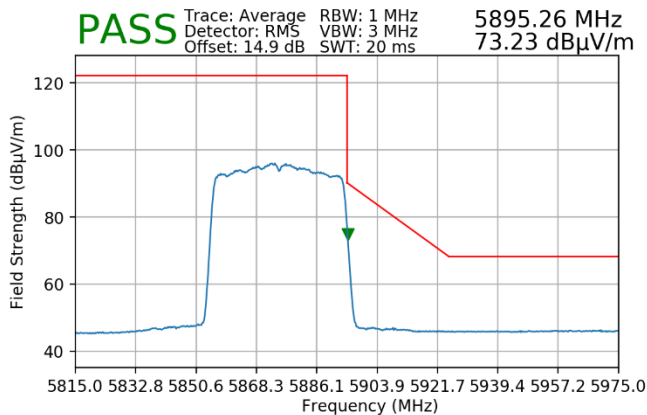
FCC ID: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130049-07.A3L	Test Dates: 6/3 - 7/17/2025	EUT Type: Portable Tablet	Page 100 of 117

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

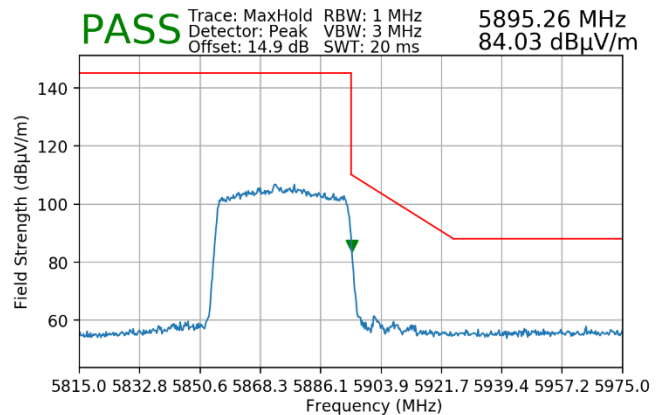


Plot 7-130. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 4)

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)

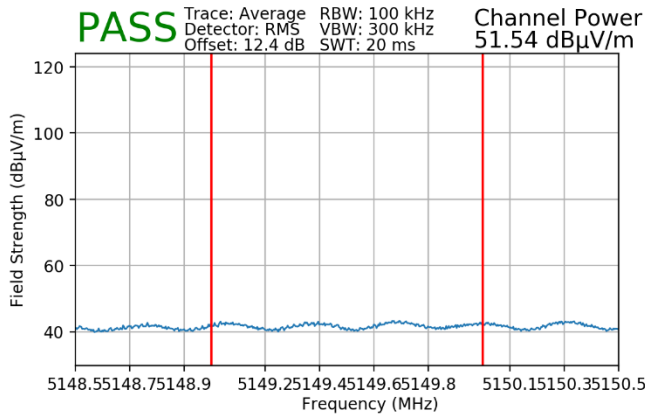


Plot 7-132. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 4)

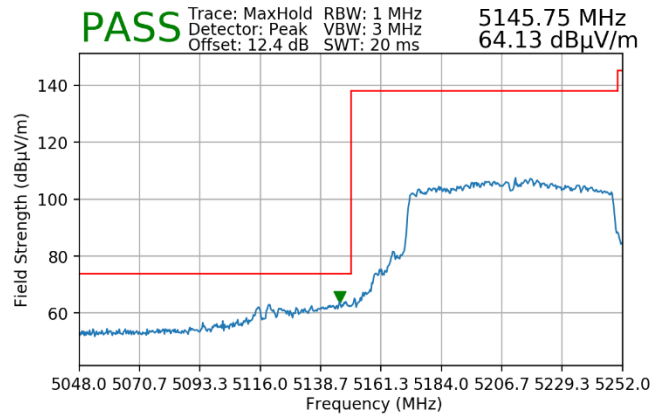
FCC ID: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130049-07.A3L	Test Dates: 6/3 - 7/17/2025	EUT Type: Portable Tablet	Page 101 of 117

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

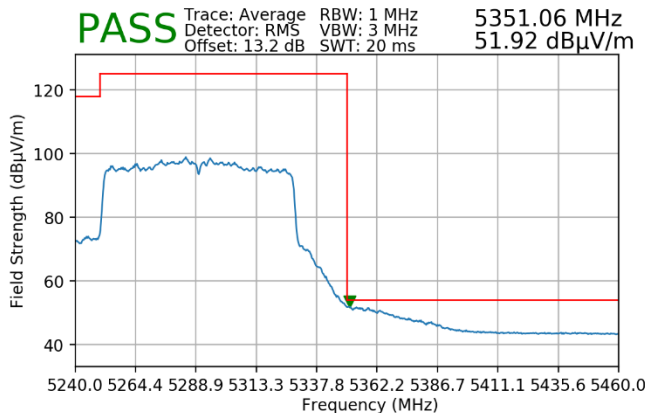


Plot 7-133. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1)

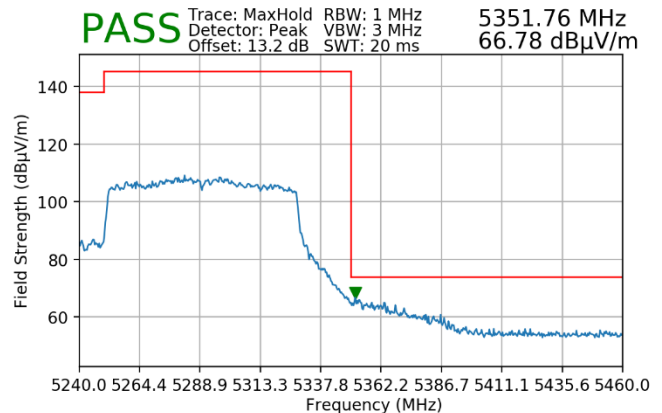


Plot 7-134. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1)

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



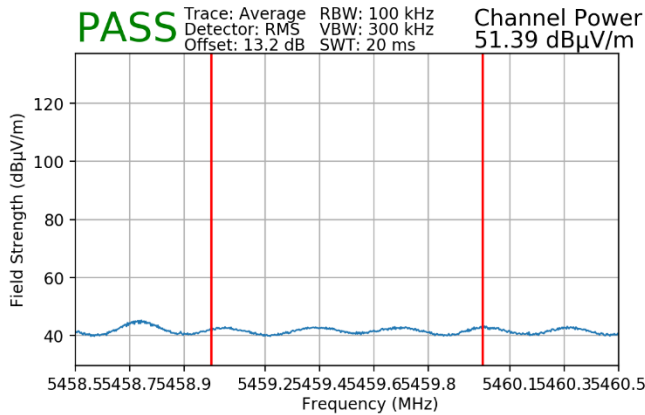
Plot 7-135. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A)



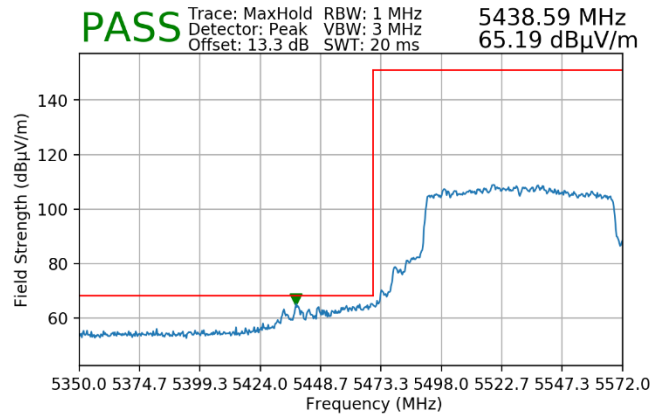
Plot 7-136. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A)

FCC ID: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT		Approved by: Technical Manager
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Worst Case Mode: 802.11ac
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5530MHz
 Channel: 106

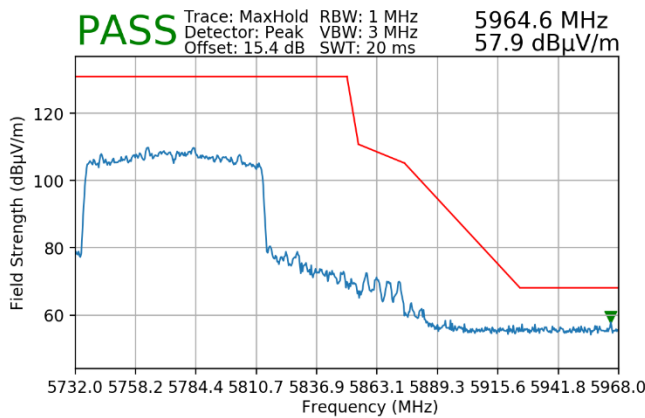


Plot 7-137. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C)



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

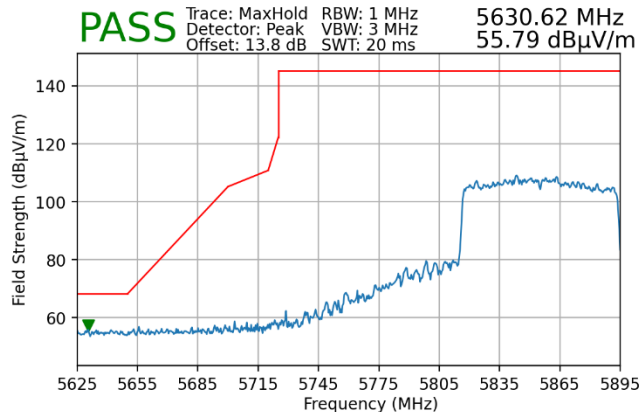
Worst Case Mode: 802.11ac
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5775MHz
 Channel: 155



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

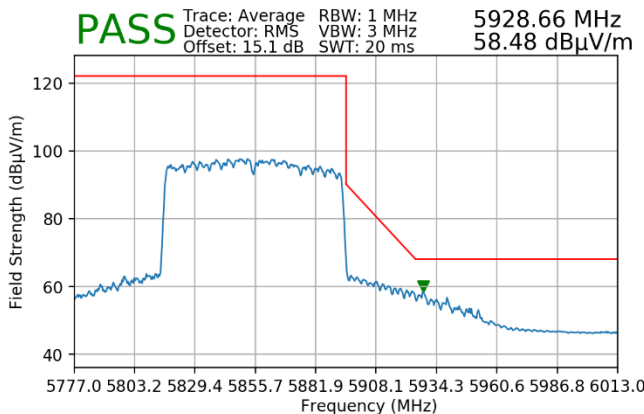
FCC ID: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT		Approved by: Technical Manager
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Worst Case Mode:	802.11ac
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	5855MHz
Channel:	171

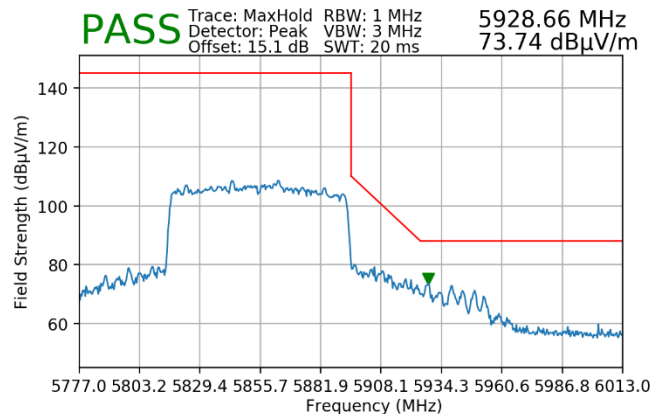


**Plot 7-140. Radiated Lower Band Edge Plot MIMO
(Peak – UNII Band 4)**

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)**

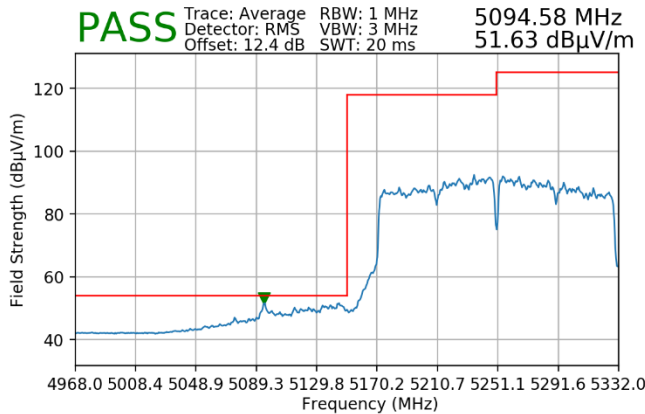


**Plot 7-142. Radiated Upper Band Edge Plot MIMO
(Peak – UNII Band 4)**

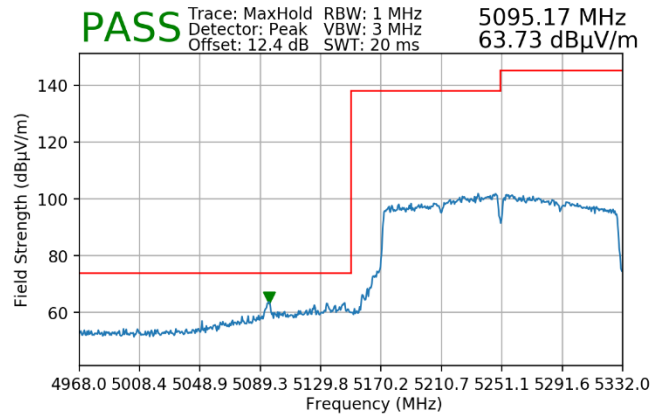
FCC ID: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT		Approved by: Technical Manager
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7.6.5 MIMO Radiated Band Edge Measurements (160MHz BW)

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

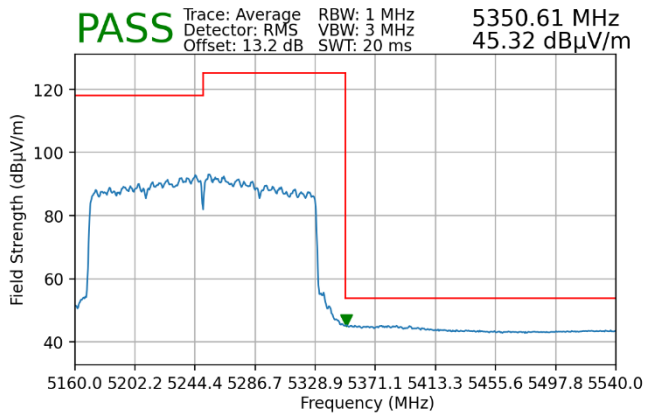


Plot 7-143. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1)

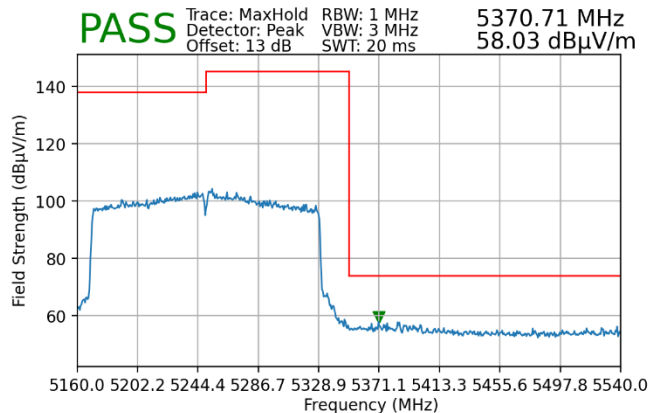


Plot 7-144. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1)

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



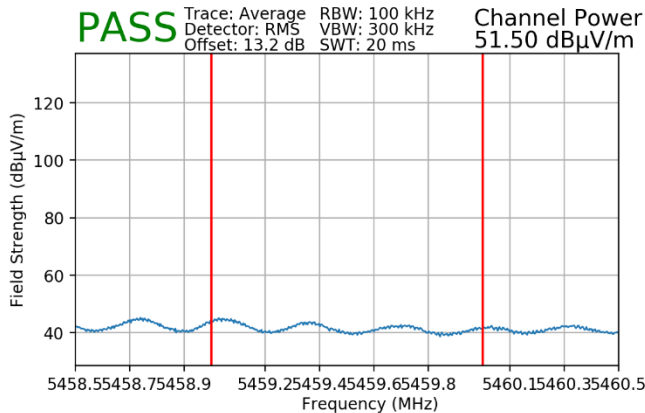
Plot 7-145. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A)



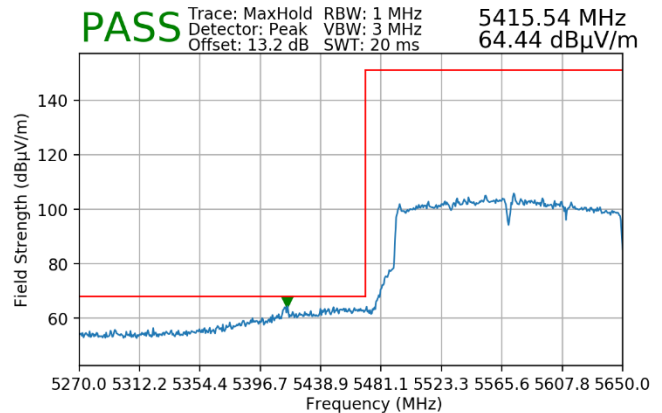
Plot 7-146. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A)

FCC ID: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT		Approved by: Technical Manager
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Worst Case Mode: 802.11ac
Worst Case Transfer Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 5570MHz
Channel: 114

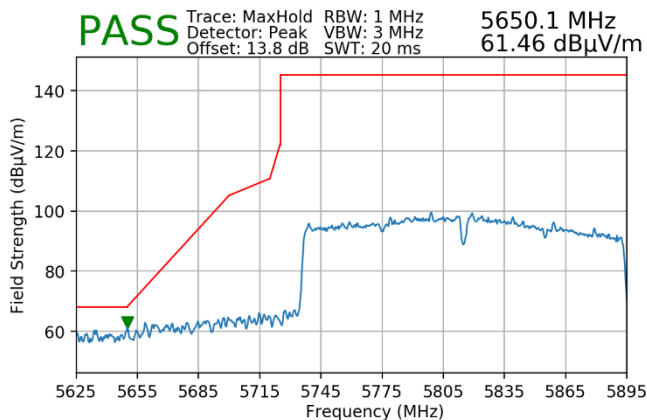


Plot 7-147. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C)



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

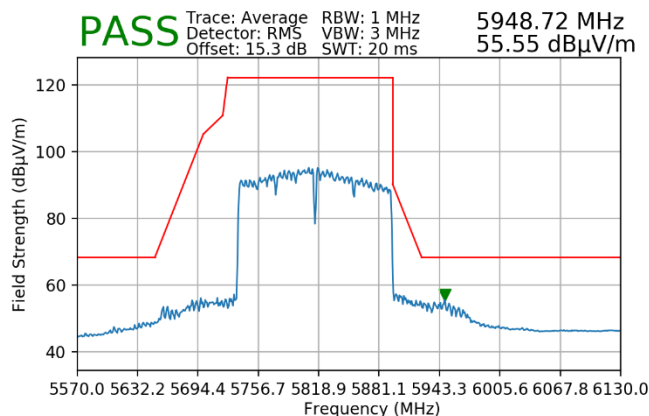
Worst Case Mode: 802.11ac
Worst Case Transfer Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 5815MHz
Channel: 163



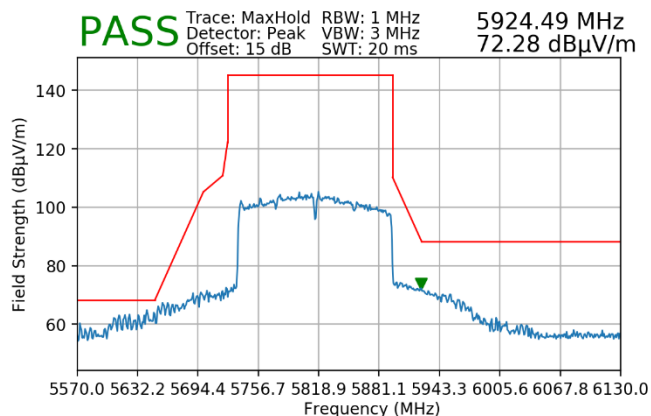
Plot 7-149. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 4)

FCC ID: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT		Approved by: Technical Manager
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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: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT		Approved by: Technical Manager
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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

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Test Setup

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

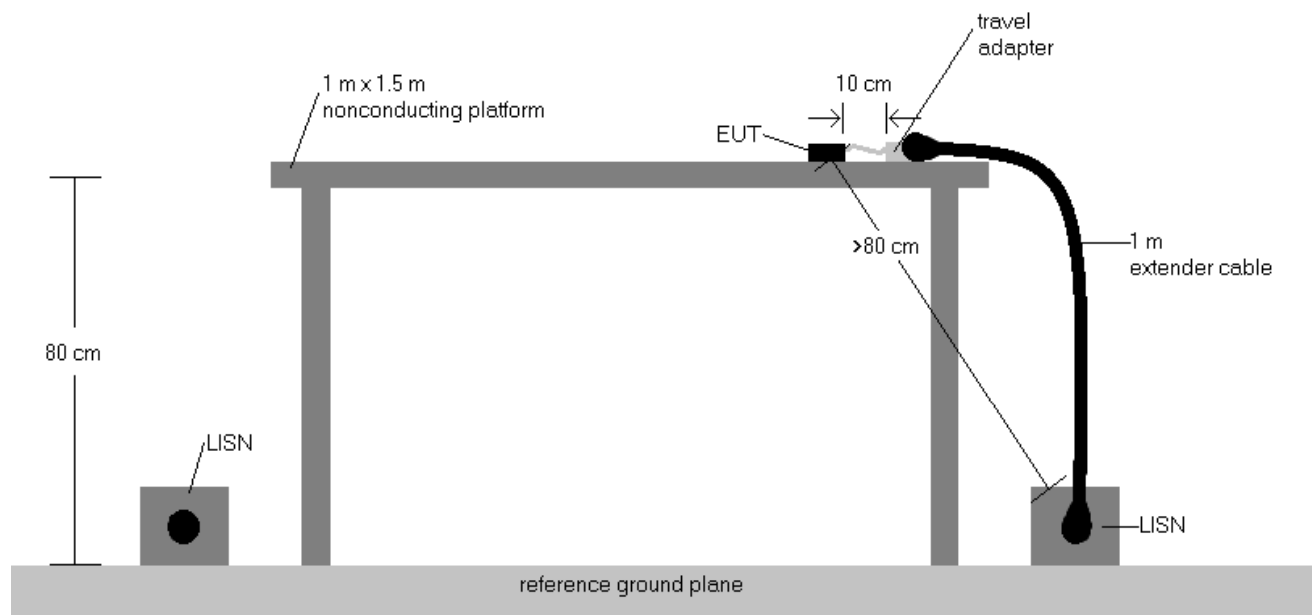
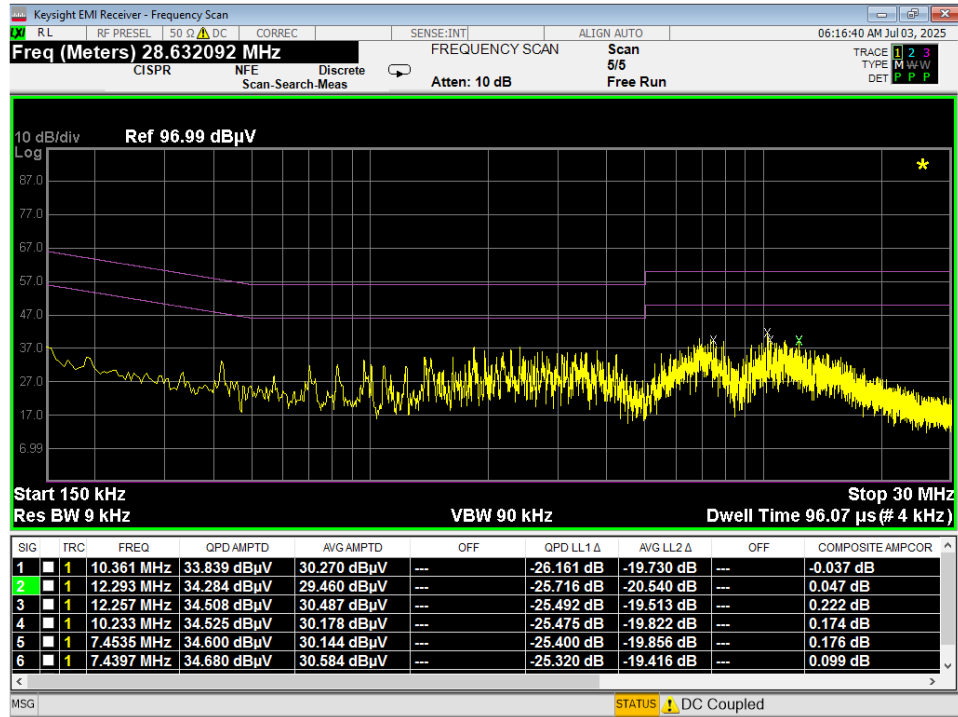


Figure 7-8. Test Instrument & Measurement Setup

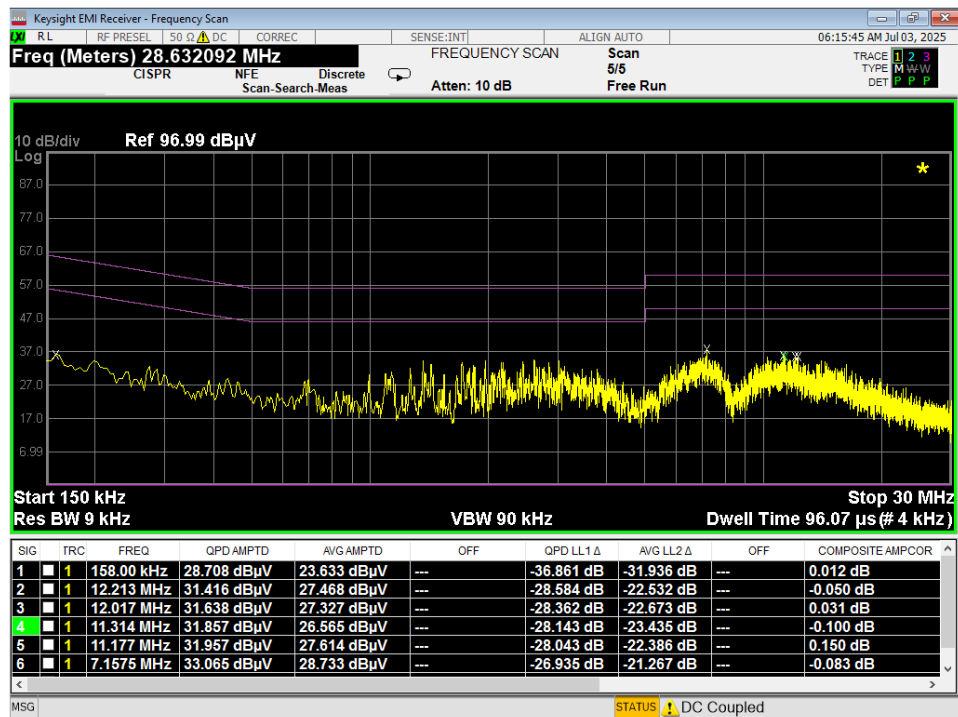
Test Notes

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: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT		Approved by: Technical Manager
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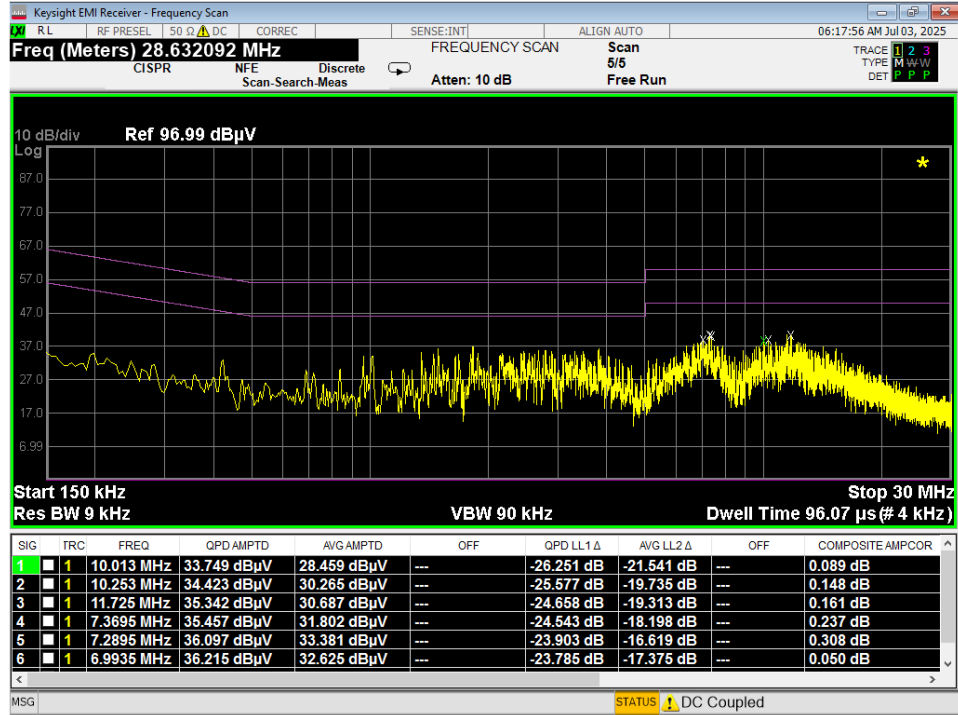


Plot 7-152. Line Conducted Plot with 802.11a UNII Band 1 (L1)

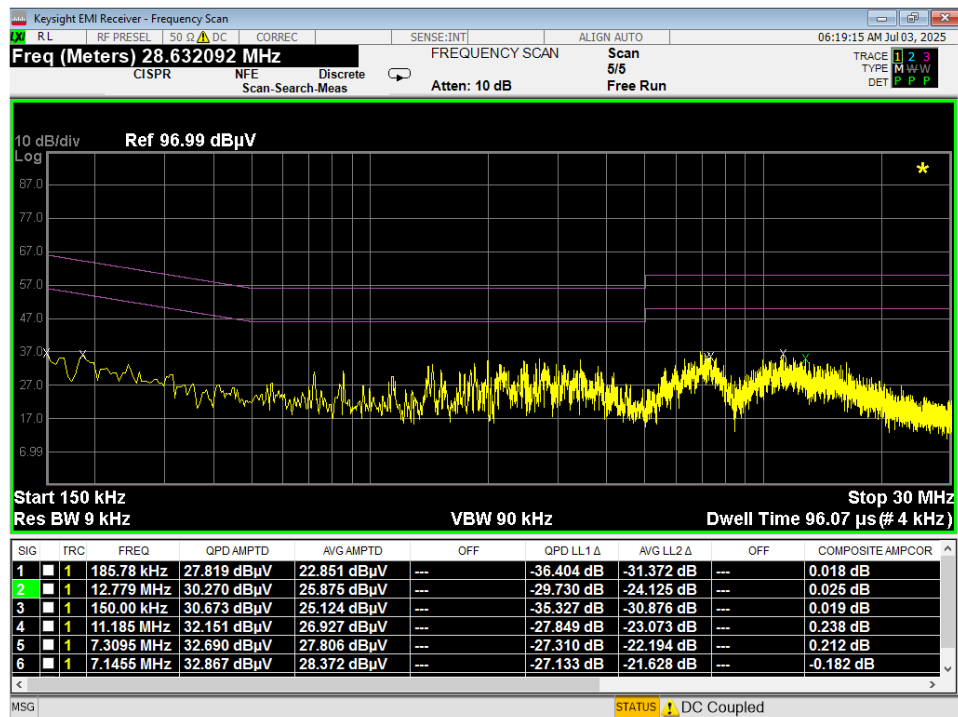


Plot 7-153. Line Conducted Plot with 802.11a UNII Band 1 (N)

FCC ID: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT		Approved by: Technical Manager
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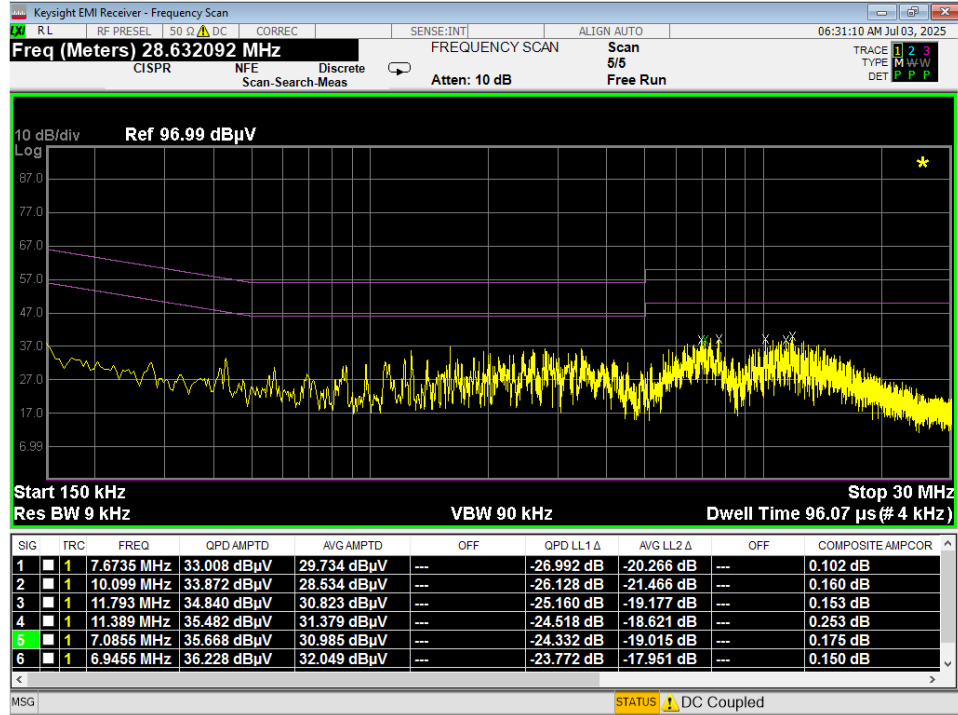


Plot 7-154. Line Conducted Plot with 802.11a UNII Band 2A (L1)

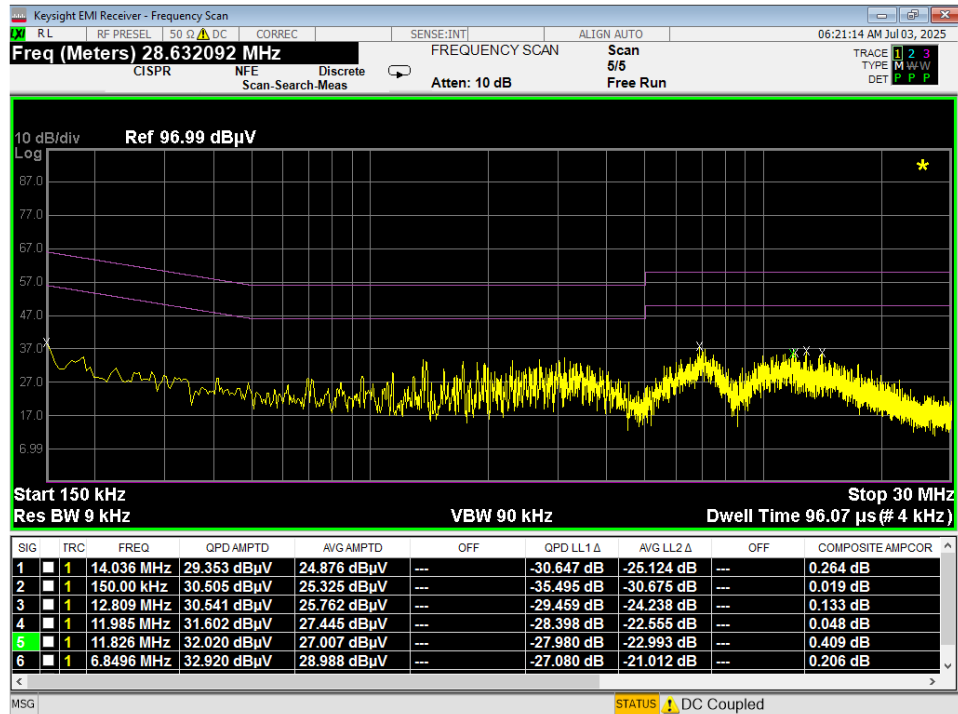


Plot 7-155. Line Conducted Plot with 802.11a UNII Band 2A (N)

FCC ID: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT		Approved by: Technical Manager
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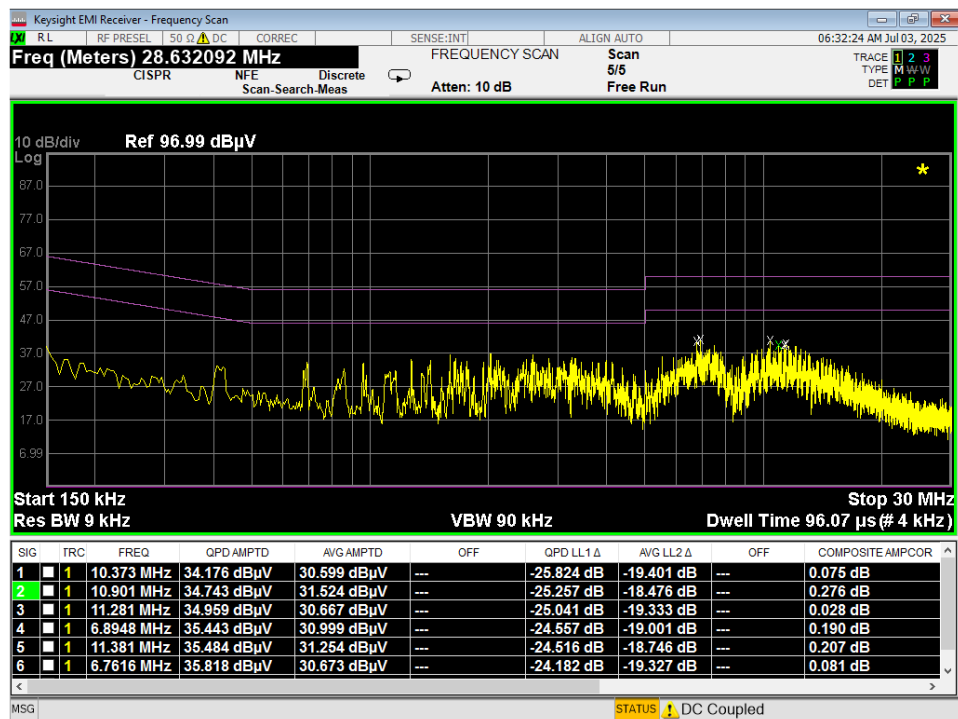


Plot 7-156. Line Conducted Plot with 802.11a UNII Band 2C (L1)

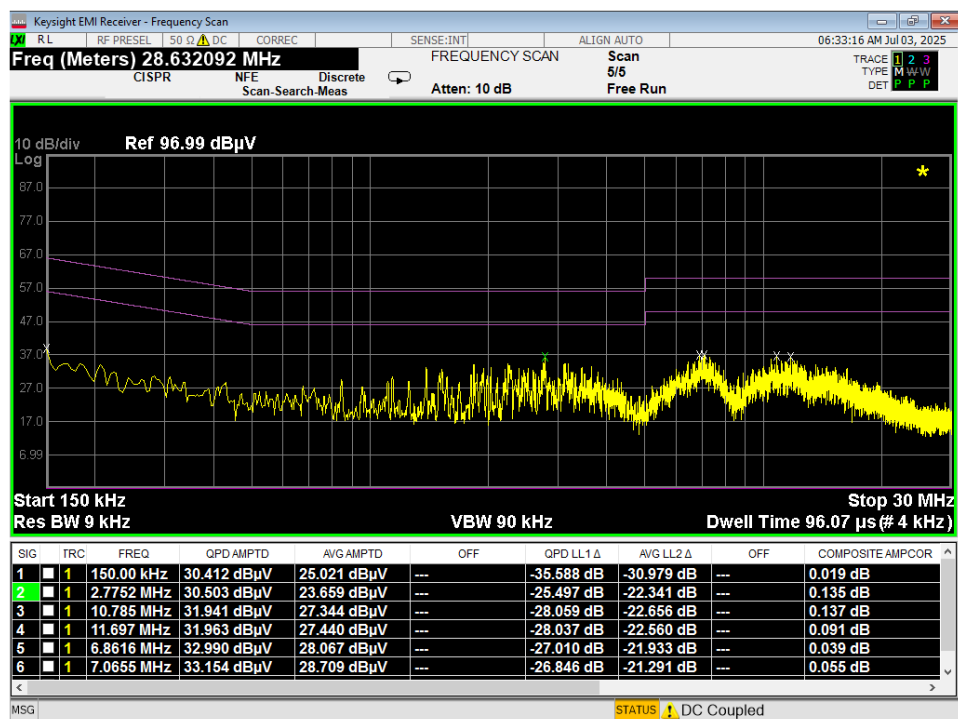


Plot 7-157. Line Conducted Plot with 802.11a UNII Band 2C (N)

FCC ID: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT		Approved by: Technical Manager
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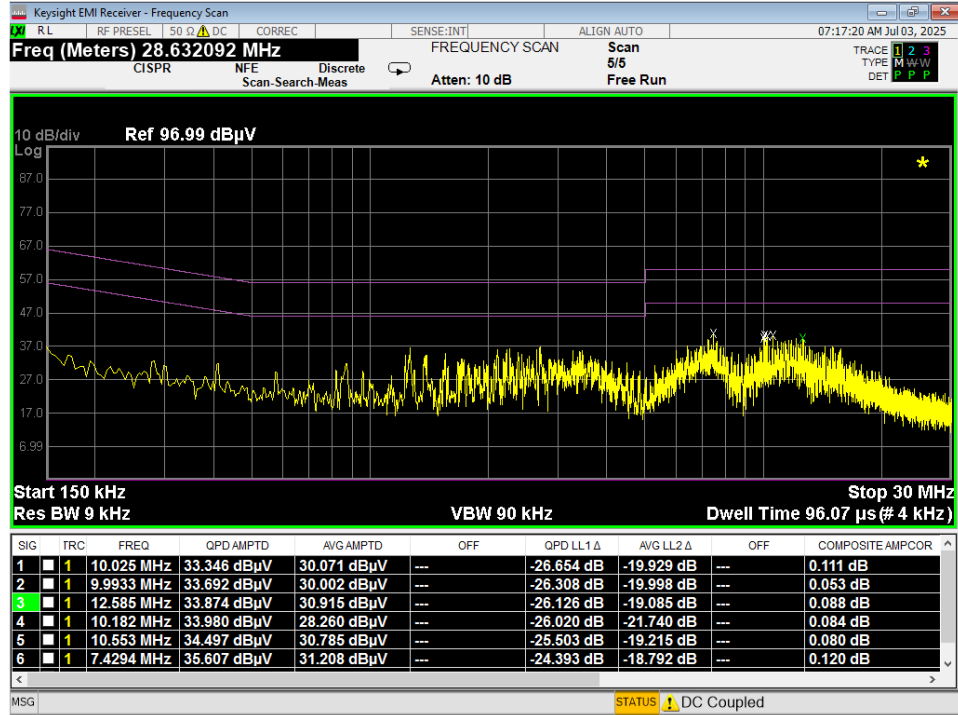


Plot 7-158. Line Conducted Plot with 802.11a UNII Band 3 (L1)

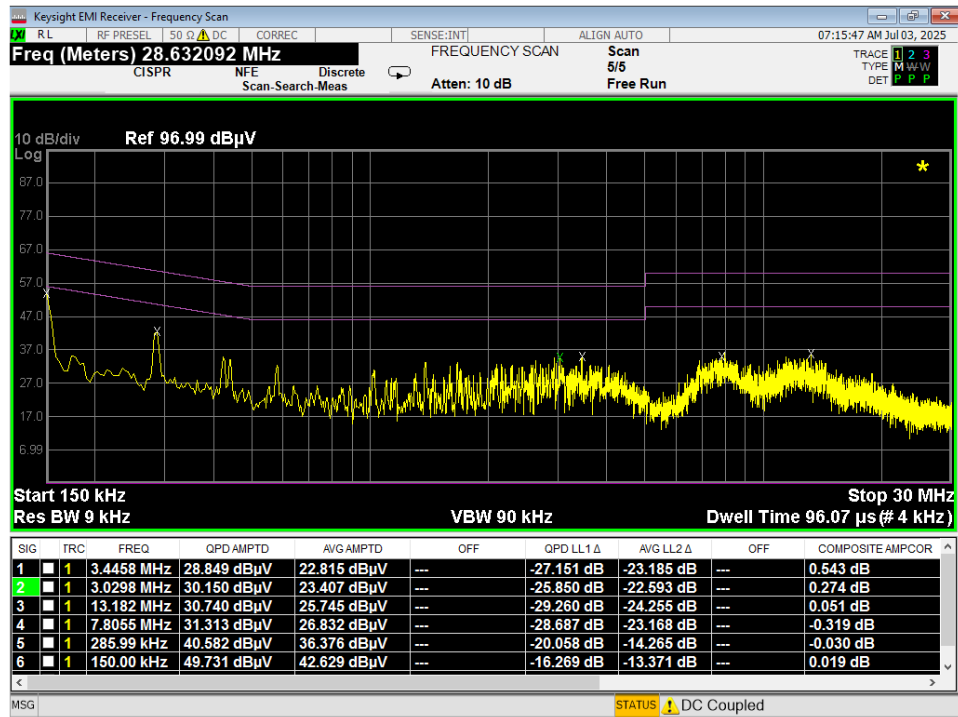


Plot 7-159. Line Conducted Plot with 802.11a UNII Band 3 (N)

FCC ID: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT		Approved by: Technical Manager
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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)

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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: A3LSMX730, IC:649E-SMX730** is in compliance with Part 15 Subpart E (15.407) of the FCC Rules and RSS-247 of the ISED Canada Rules. The data referenced from FCC ID: A3LSMX736B (Model SM-X736B) included in this report have been reviewed and are deemed acceptable to support the compliance of **FCC ID: A3LSMX730, IC: 649E-SMX730**.

FCC ID: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT		Approved by: Technical Manager
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9.0 APPENDIX A – DATA REFERENCING RESULTS

Overview

The spot-check data presented in this section was measured on the variant model following the guidance of the FCC's Data Referencing guidance in KDB 484596 D01 v03. Each spot-check test on the EUT was performed using the same procedure and setting that were used to perform the test on the corresponding reference device. For the worst-case RSE data, the measurement is determined by an actual emission and not by noise floor.

All test cases were performed to verify the variant EUT is still in compliance with the spot-checked results to the reference device and was performed using the guidance of ANSI C63.10-2020.

Notes

- Each spot check test on the EUT was performed using the same procedure and setting that were used to perform the test on the corresponding reference device.

Results

FCC Rules	Test Item	Test Case	Units	Limit	Reference Model: SM-X736B	Variant Model: SM-X730	Deviation (dB)	Max Deviation (dB)	Pass/Fail
2.1046, 15.407(a)(1)(i), 15.407(a)(2), 15.407(a)(3)(i), 15.407(a)(3)(iii)	Conducted Output Power	802.11a 20MHz Ch.40	dBm	N/A	20.22	20.50	0.28	1	PASS
		802.11a 20MHz Ch.56	dBm	N/A	20.73	20.46	-0.27	1	PASS
		802.11a 20MHz Ch.120	dBm	N/A	20.60	20.49	-0.11	1	PASS
		802.11a 20MHz Ch.157	dBm	N/A	17.86	17.54	-0.32	1	PASS
		802.11a 20MHz Ch173	dBm	N/A	20.79	20.54	-0.25	1	PASS
15.209, 15.407(b)(1), 15.407(b)(2), 15.407(b)(3), 15.407(b)(4), 15.407(b)(5)	Radiated Spurious Emissions	802.11a MIMO Ch.52 - 10520MHz - Peak	dBuV/m	68.2	54.89	54.66	-0.23	3	PASS
15.209, 15.407(b)(4), 15.407(b)(5)	Radiated Band Edge Emissions	802.11n MIMO Ch.38 - Average	dBuV/m	53.98	51.95	52.19	0.24	3	PASS

Table 9-1. Summary of Spot-checks

Conducted Spot-Checks – SM-X730

5GHz WIFI (20MHz 802.11a MIMO)						Conducted Power Limit [dBm]	Conducted Power Margin [dB]	Directional Ant. Gain [dBi]	Max e.i.r.p [dBm]	e.i.r.p Limit [dBm]	e.i.r.p Margin [dB]
Band	Freq [MHz]	Channel	Avg. Conducted Powers [dBm]								
			ANT1	ANT2	MIMO						
UNII-1	5200	40	17.12	17.83	20.50	23.98	-3.48	-4.01	16.49	30.00	-13.51
UNII-2A	5280	56	17.59	17.31	20.46	23.98	-3.52	-3.86	16.60	30.00	-13.40
UNII-2C	5600	120	16.92	17.98	20.49	23.98	-3.49	-3.56	16.93	30.00	-13.07
UNII-3	5785	157	14.16	14.87	17.54	30.00	-12.46	-3.12	14.42	36.00	-21.58
UNII-4	5865	173	17.19	17.84	20.54	-	-	-3.00	17.54	30.00	-12.46

Table 9-2. Conducted Output Power Measurements (Spot-check)

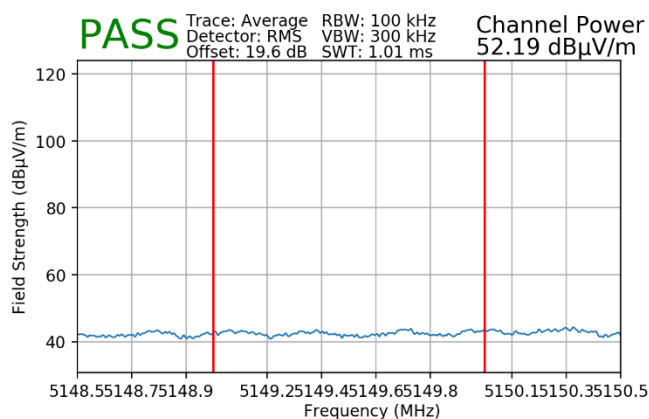
Radiated Spot-Checks – SM-X730

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 [dBuV/m]	Limit [dBuV/m]	Margin [dB]
802.11a	MIMO	2A	52	5260		10520.00	Peak	H	295	149	-65.35	13.01	0.00	54.66	68.20	-13.54

Table 9-3. RSE Measurements (Spot-check)

FCC ID: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT				Approved by: Technical Manager	
Test Report S/N: 1M2505130049-07.A3L	Test Dates: 6/3 - 7/17/2025	EUT Type: Portable Tablet			Page 116 of 117	

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



**Plot 9-1. Radiated Lower Band Edge Plot MIMO
 (Average – UNII Band 1) (Spot-check)**

FCC ID: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2505130049-07.A3L	Test Dates: 6/3 - 7/17/2025	EUT Type: Portable Tablet	Page 117 of 117