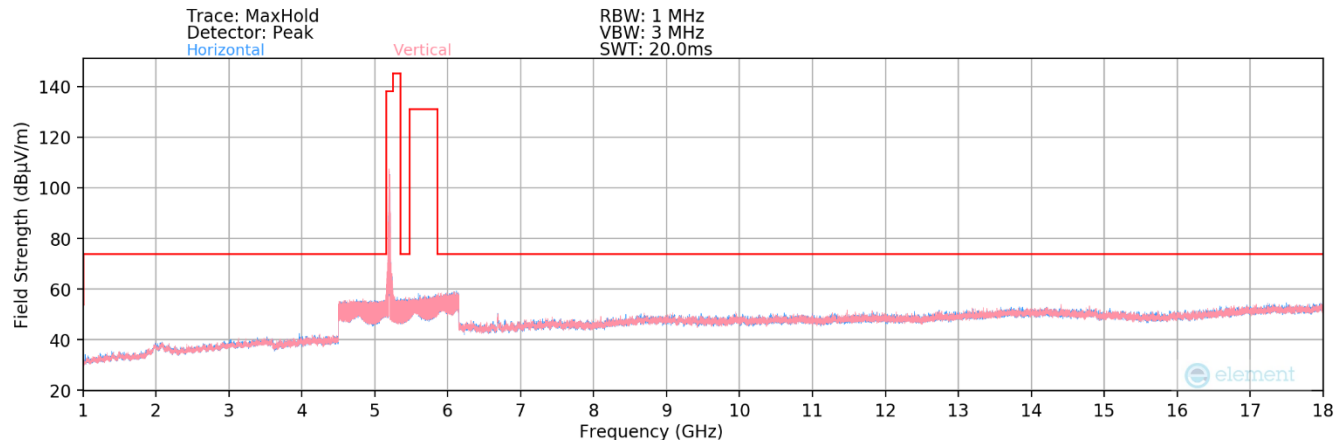
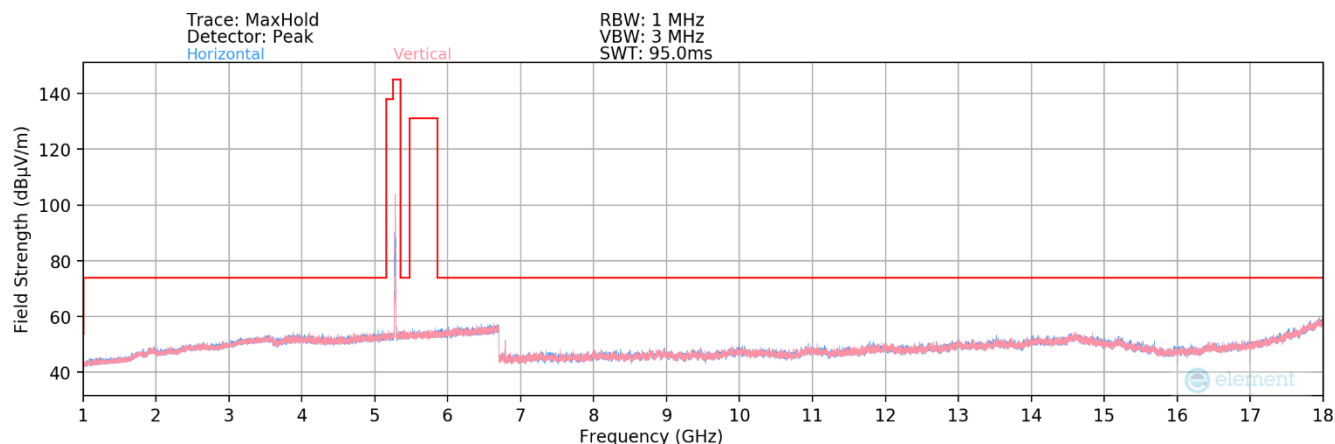


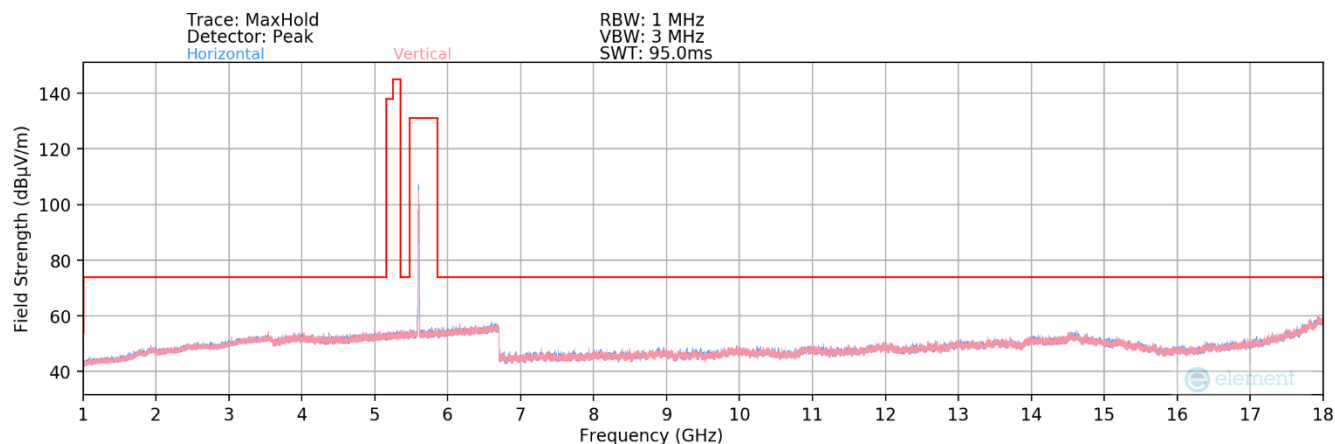
7.6.1 MIMO Radiated Spurious Emission Measurements (26 Tones)



Plot 7-109. Radiated Spurious Plot above 1GHz MIMO (802.11be – UNII 1 Ch. 40)

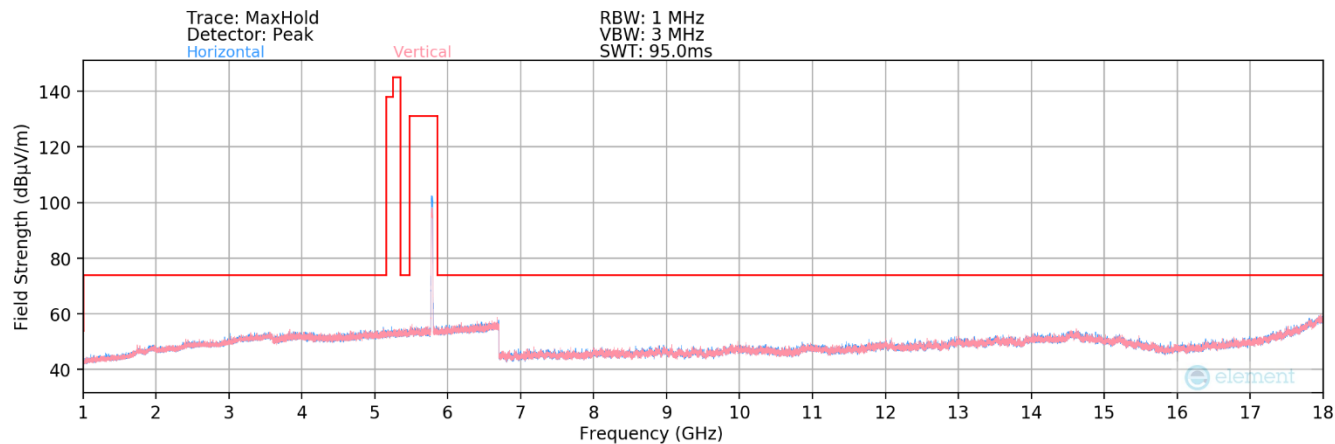


Plot 7-110. Radiated Spurious Plot above 1GHz MIMO (802.11be – UNII 2A Ch. 56)

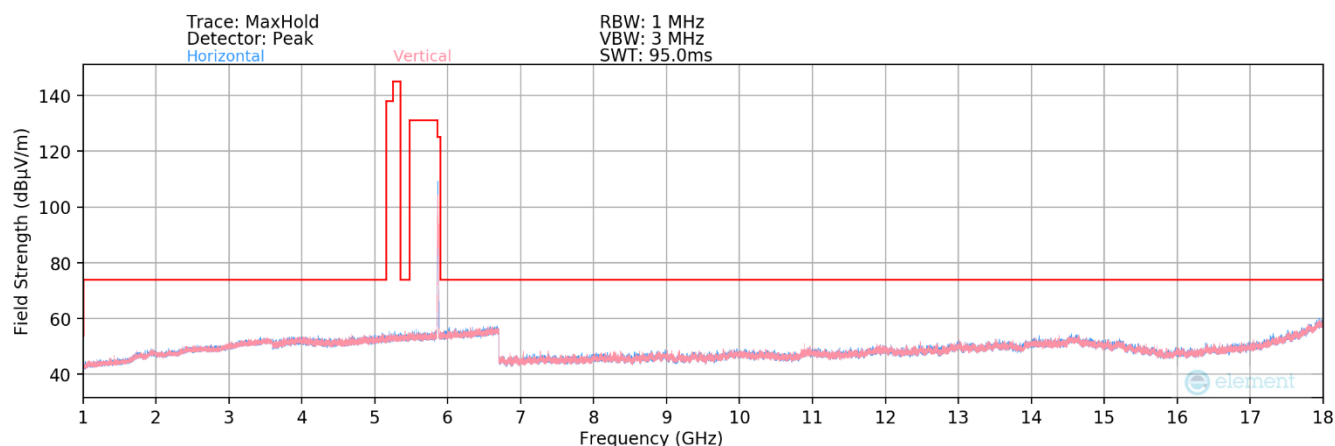


Plot 7-111. Radiated Spurious Plot above 1GHz MIMO (802.11be – UNII 2C Ch. 120)

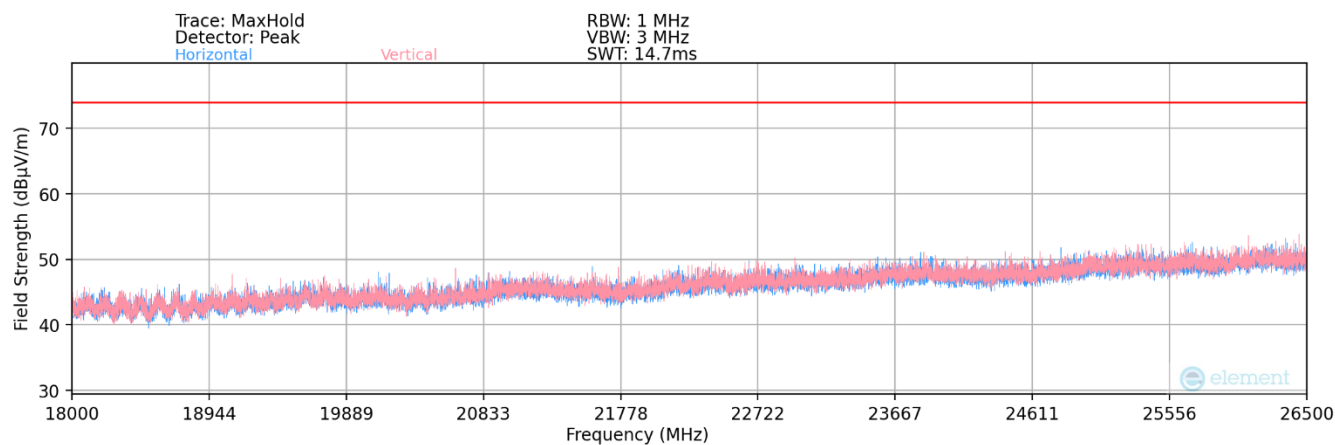
FCC ID: A3LSMS948U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-19-R1.A3L	Test Dates: 9/2/2025 - 10/14/2025	EUT Type: Portable Handset	Page 105 of 142



Plot 7-112. Radiated Spurious Plot above 1GHz MIMO (802.11be – UNII 3 Ch. 157)

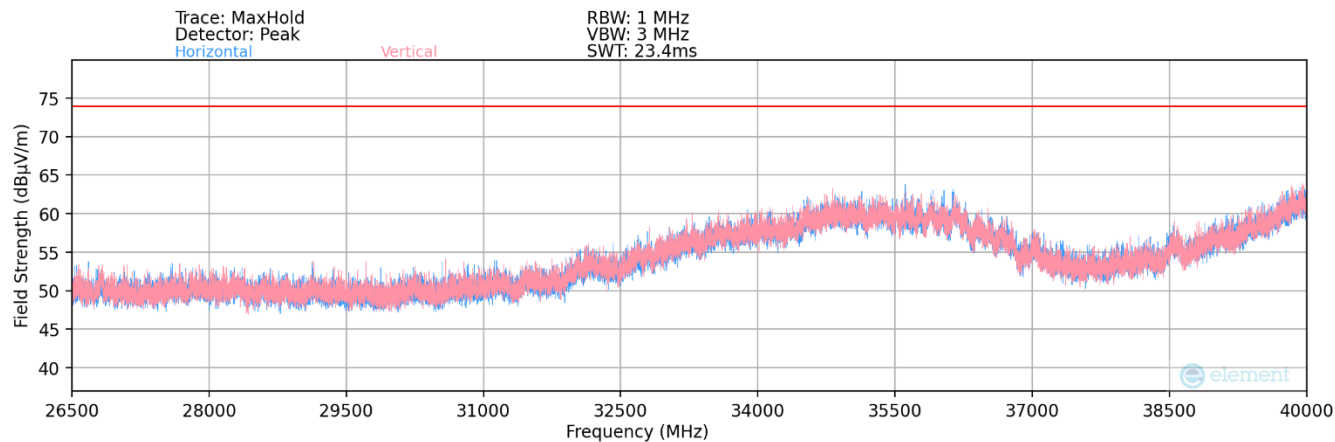


Plot 7-113. Radiated Spurious Plot above 1GHz MIMO (802.11be – UNII 4 Ch. 173)



Plot 7-114. Radiated Spurious Plot 18GHz - 26.5GHz (802.11be)

FCC ID: A3LSMS948U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-19-R1.A3L	Test Dates: 9/2/2025 - 10/14/2025	EUT Type: Portable Handset	Page 106 of 142



Plot 7-115. Radiated Spurious Plot 26.5GHz - 40GHz (802.11be)

FCC ID: A3LSMS948U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-19-R1.A3L	Test Dates: 9/2/2025 - 10/14/2025	EUT Type: Portable Handset	Page 107 of 142

MIMO Radiated Spurious Emission Measurements (26 Tones) – UNII 1

Mode	Antenna	UNII Band	Channel	Test Channel Freq. [MHz]	RU Index	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]
802.11be	MIMO	1	36	5180	4		10360.00	Peak	H	-	-	-69.58	12.04	0.00	49.46	68.20	-18.74
						*	15540.00	Average	H	-	-	-82.79	14.08	0.00	38.29	53.98	-15.69
						*	15540.00	Peak	H	-	-	-69.86	14.08	0.00	51.22	73.98	-22.76
						*	20720.00	Average	H	-	-	-69.66	2.48	-9.54	30.28	53.98	-23.70
						*	20720.00	Peak	H	-	-	-59.35	2.48	-9.54	40.59	73.98	-33.39
			40	5200	4		25900.00	Peak	H	-	-	-57.12	4.78	-9.54	45.13	68.20	-23.07
							10400.00	Peak	H	-	-	-69.56	12.45	0.00	49.89	68.20	-18.31
						*	15600.00	Average	H	-	-	-83.12	14.12	0.00	38.00	53.98	-15.98
						*	15600.00	Peak	H	-	-	-70.06	14.12	0.00	51.06	73.98	-22.92
						*	20800.00	Average	H	-	-	-69.84	2.52	-9.54	30.14	53.98	-23.84
						*	20800.00	Peak	H	-	-	-59.33	2.52	-9.54	40.65	73.98	-33.33
							26000.00	Peak	H	-	-	-57.26	4.78	-9.54	44.68	68.20	-23.22
			48	5240	4		10480.00	Peak	H	-	-	-70.11	13.04	0.00	49.93	68.20	-18.27
						*	15720.00	Average	H	-	-	-83.16	14.52	0.00	38.36	53.98	-15.62
						*	15720.00	Peak	H	-	-	-70.23	14.52	0.00	51.29	73.98	-22.69
						*	20960.00	Average	H	-	-	-69.93	2.84	-9.54	30.37	53.98	-23.61
						*	20960.00	Peak	H	-	-	-59.48	2.84	-9.54	40.82	73.98	-33.16
							26200.00	Peak	H	-	-	-57.17	4.91	-9.54	45.20	68.20	-23.00

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

MIMO Radiated Spurious Emission Measurements (26 Tones) – UNII 2A

Mode	Antenna	UNII Band	Channel	Test Channel Freq. [MHz]	RU Index	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]
802.11be	MIMO	2A	52	5260	4		10520.00	Peak	H	-	-	-69.65	13.01	0.00	50.36	68.20	-17.84
						*	15780.00	Average	H	-	-	-83.44	14.41	0.00	37.97	53.98	-16.01
						*	15780.00	Peak	H	-	-	-70.29	14.41	0.00	51.12	73.98	-22.86
						*	21040.00	Average	H	-	-	-69.40	2.92	-9.54	30.98	53.98	-23.00
						*	21040.00	Peak	H	-	-	-59.24	2.92	-9.54	41.15	73.98	-32.83
			56	5280	4		26300.00	Peak	H	-	-	-57.23	4.91	-9.54	45.14	68.20	-23.06
							10560.00	Peak	H	-	-	-70.15	12.82	0.00	49.67	68.20	-18.53
						*	15840.00	Average	H	-	-	-82.75	14.10	0.00	38.35	53.98	-15.63
						*	15840.00	Peak	H	-	-	-69.29	14.10	0.00	51.81	73.98	-22.17
						*	21120.00	Average	H	-	-	-69.59	2.87	-9.54	30.74	53.98	-23.24
						*	21120.00	Peak	H	-	-	-59.16	2.87	-9.54	41.17	73.98	-32.81
							26400.00	Peak	H	-	-	-56.96	4.85	-9.54	45.35	68.20	-22.85
			64	5320	4	*	10640.00	Average	H	354	5	-82.26	12.81	0.00	37.55	53.98	-16.43
						*	10640.00	Peak	H	354	5	-68.60	12.81	0.00	51.21	73.98	-22.77
						*	15960.00	Average	H	-	-	-83.45	15.15	0.00	38.70	53.98	-15.28
						*	15960.00	Peak	H	-	-	-71.25	15.15	0.00	50.90	73.98	-23.08
						*	21280.00	Average	H	-	-	-69.51	2.96	-9.54	30.91	53.98	-23.07
						*	21280.00	Peak	H	-	-	-59.50	2.96	-9.54	40.92	73.98	-33.06
							26600.00	Peak	H	-	-	-56.85	5.05	-9.54	45.67	68.20	-22.53

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

FCC ID: A3LSMS948U	MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2508250078-19-R1.A3L	Test Dates: 9/2/2025 - 10/14/2025	EUT Type: Portable Handset		Page 108 of 142

MIMO Radiated Spurious Emission Measurements (26 Tones) – UNII 2C

Mode	Antenna	UNII Band	Channel	Test Channel Freq. [MHz]	RU Index	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]
802.11be	MIMO	2C	100	5500	4	*	11000.00	Average	H	-	-	-82.25	12.47	0.00	37.22	53.98	-16.76
						*	11000.00	Peak	H	-	-	-69.66	12.47	0.00	49.81	73.98	-24.17
							16500.00	Peak	H	-	-	-70.24	15.62	-9.54	42.84	68.20	-25.36
							22000.00	Peak	H	-	-	-59.27	3.01	-9.54	41.20	68.20	-27.00
							27500.00	Peak	H	-	-	-57.13	5.00	-9.54	45.34	68.20	-22.86
			120	5600	4	*	11200.00	Average	H	-	-	-82.47	12.60	0.00	37.13	53.98	-16.85
						*	11200.00	Peak	H	-	-	-69.23	12.60	0.00	50.37	73.98	-23.61
							16800.00	Peak	H	-	-	-70.07	16.11	0.00	53.04	68.20	-15.16
						*	22400.00	Average	H	-	-	-69.14	3.44	-9.54	31.76	53.98	-22.22
						*	22400.00	Peak	H	-	-	-58.71	3.44	-9.54	42.19	73.98	-31.79
			144	5720	4		28000.00	Peak	H	-	-	-56.86	5.31	-9.54	45.91	68.20	-22.29
						*	11440.00	Average	H	-	-	-83.18	13.48	0.00	37.30	53.98	-16.68
						*	11440.00	Peak	H	-	-	-69.87	13.48	0.00	50.61	73.98	-23.37
							17160.00	Peak	H	-	-	-69.79	16.71	0.00	53.92	68.20	-14.28
						*	22880.00	Average	H	-	-	-69.03	3.60	-9.54	32.03	53.98	-21.95
						*	22880.00	Peak	H	-	-	-58.45	3.60	-9.54	42.61	73.98	-31.37
							28600.00	Peak	H	-	-	-57.29	5.30	-9.54	45.47	68.20	-22.73

Table 7-36. Radiated Measurements MIMO (26 Tones)

MIMO Radiated Spurious Emission Measurements (26 Tones) – UNII 3

Mode	Antenna	UNII Band	Channel	Test Channel Freq. [MHz]	RU Index	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]
802.11be	MIMO	3	149	5745	4	*	11490.00	Average	H	-	-	-82.73	13.01	0.00	37.28	53.98	-16.70
						*	11490.00	Peak	H	-	-	-69.88	13.01	0.00	50.13	73.98	-23.85
							17235.00	Peak	H	-	-	-70.19	16.91	0.00	53.72	68.20	-14.48
						*	22980.00	Average	H	-	-	-68.92	3.63	-9.54	32.17	53.98	-21.81
						*	22980.00	Peak	H	-	-	-58.53	3.63	-9.54	42.56	73.98	-31.42
			157	5785	4		28725.00	Peak	H	-	-	-57.77	5.24	-9.54	44.93	68.20	-23.27
						*	11570.00	Average	H	-	-	-82.48	13.03	0.00	37.55	53.98	-16.43
						*	11570.00	Peak	H	-	-	-69.27	13.03	0.00	50.76	73.98	-23.22
							17355.00	Peak	H	-	-	-70.15	17.67	0.00	54.52	68.20	-13.68
							23140.00	Peak	H	-	-	-58.45	3.75	-9.54	42.76	68.20	-25.44
			165	5825	4		28925.00	Peak	H	-	-	-57.85	5.12	-9.54	44.73	68.20	-23.47
						*	11650.00	Average	H	-	-	-82.91	13.03	0.00	37.12	53.98	-16.86
						*	11650.00	Peak	H	-	-	-70.21	13.03	0.00	49.82	73.98	-24.16
							17475.00	Peak	H	-	-	-70.54	17.67	0.00	54.13	68.20	-14.07
							23300.00	Peak	H	-	-	-58.57	3.73	-9.54	42.62	68.20	-25.58
							29125.00	Peak	H	-	-	-57.61	5.23	-9.54	45.09	68.20	-23.11

Table 7-37. Radiated Measurements MIMO (26 Tones)

FCC ID: A3LSMS948U	MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2508250078-19-R1.A3L	Test Dates: 9/2/2025 - 10/14/2025	EUT Type: Portable Handset		Page 109 of 142

MIMO Radiated Spurious Emission Measurements (26 Tones) – UNII 4

Mode	Antenna	UNII Band	Channel	Test Channel Freq. [MHz]	RU Index	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]
802.11be	MIMO	4	169	5845	4	*	11690.00	Average	H	-	-	-82.74	13.27	0.00	37.53	53.98	-16.45
						*	11690.00	Peak	H	-	-	-69.21	13.27	0.00	51.06	73.98	-22.92
							17535.00	Peak	H	-	-	-69.65	17.37	0.00	54.72	68.20	-13.48
							23380.00	Peak	H	-	-	-58.63	3.80	-9.54	42.63	68.20	-25.57
							29225.00	Peak	H	-	-	-57.74	5.22	-9.54	44.94	68.20	-23.26
			173	5865	4	*	11730.00	Average	H	-	-	-83.17	14.39	0.00	38.22	53.98	-15.76
						*	11730.00	Peak	H	-	-	-69.67	14.39	0.00	51.72	73.98	-22.26
							17595.00	Peak	H	-	-	-70.15	17.00	0.00	53.85	68.20	-14.35
							23460.00	Peak	H	-	-	-58.62	3.86	-9.54	42.70	68.20	-25.50
							29325.00	Peak	H	-	-	-58.56	5.14	-9.54	44.05	68.20	-24.15
			177	5885	4	*	11770.00	Average	H	-	-	-83.37	13.93	0.00	37.56	53.98	-16.42
						*	11770.00	Peak	H	-	-	-70.86	13.93	0.00	50.07	73.98	-23.91
							17655.00	Peak	H	-	-	-69.87	16.89	0.00	54.02	68.20	-14.18
							23540.00	Peak	H	-	-	-58.38	4.01	-9.54	43.08	68.20	-25.12
							29425.00	Peak	H	-	-	-58.01	5.11	-9.54	44.56	68.20	-23.64

Table 7-38. Radiated Measurements MIMO (26 Tones)

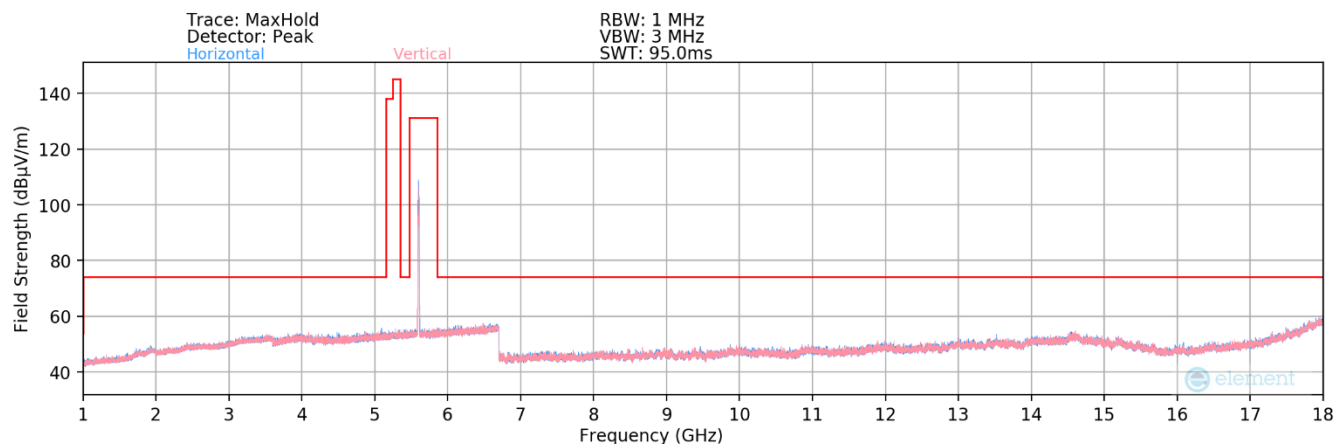
MIMO Radiated Spurious Emission Measurements (26 Tones) – With WCP

Mode	Antenna	UNII Band	Channel	Test Channel Freq. [MHz]	RU Index	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]
802.11be	MIMO	2A	64	5320	4	*	10640.00	Average	H	-	-	-78.62	7.65	0.00	36.03	53.98	-17.95
						*	10640.00	Peak	H	-	-	-67.06	7.65	0.00	47.59	73.98	-26.39
						*	15960.00	Average	H	-	-	-78.27	8.91	0.00	37.64	53.98	-16.34
						*	15960.00	Peak	H	-	-	-66.18	8.91	-9.54	40.19	73.98	-33.79
						*	21280.00	Average	H	-	-	-66.01	2.96	-9.54	34.41	53.98	-19.57
						*	21280.00	Peak	H	-	-	-55.94	2.96	-9.54	44.48	73.98	-29.50
							26600.00	Peak	H	-	-	-55.16	5.05	-9.54	47.35	68.20	-20.85

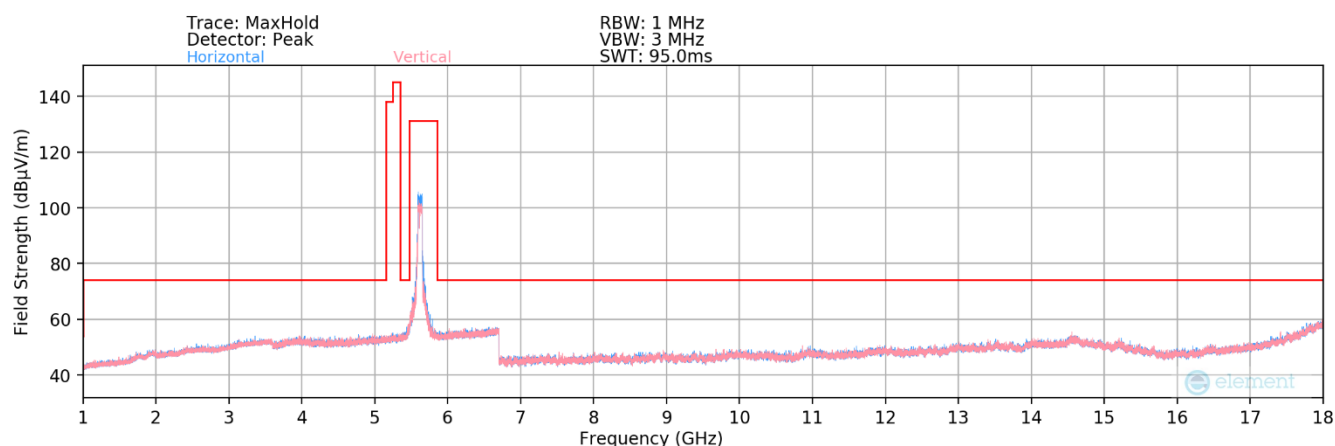
Table 7-39. Radiated Measurements MIMO with WCP (26 Tones)

FCC ID: A3LSMS948U	MEASUREMENT REPORT				Approved by: Technical Manager	
Test Report S/N: 1M2508250078-19-R1.A3L	Test Dates: 9/2/2025 - 10/14/2025	EUT Type: Portable Handset			Page 110 of 142	

7.6.2 MIMO Radiated Spurious Emission Measurements (MRU)



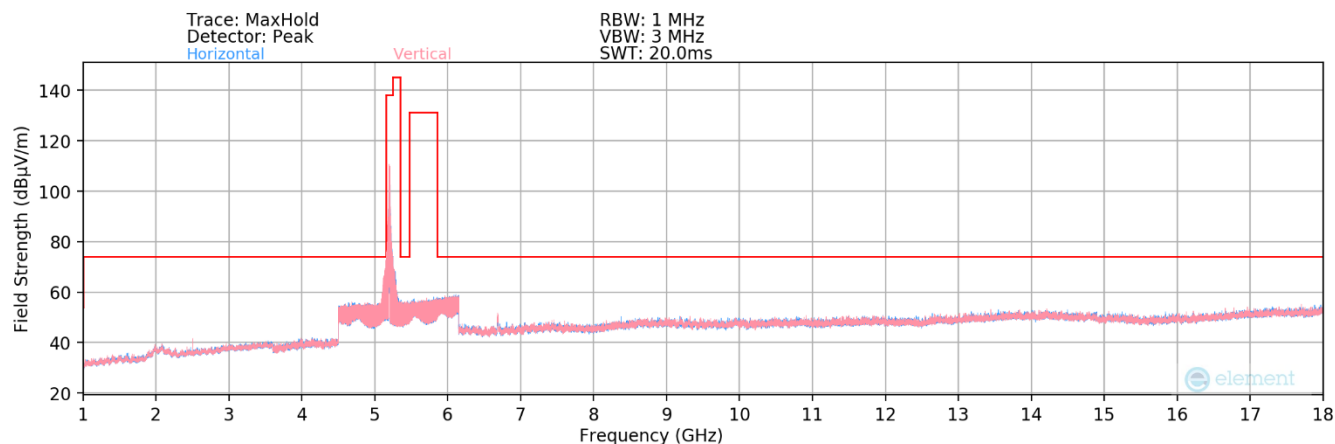
Plot 7-116. Radiated Spurious Plot above 1GHz MIMO (802.11be – MRU 52T+26T Tones)



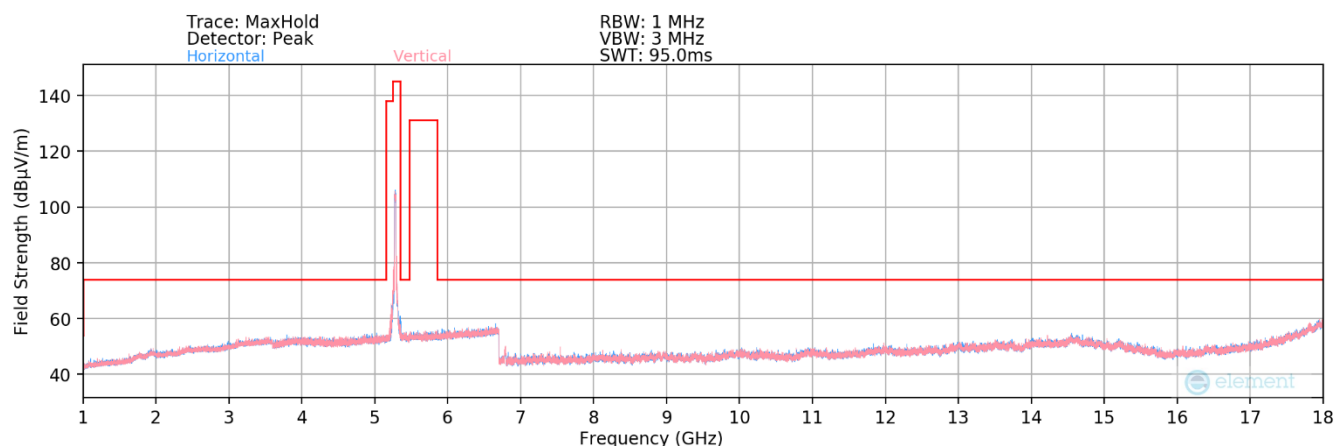
Plot 7-117. Radiated Spurious Plot above 1GHz MIMO (802.11be – MRU 484T+242T Tones)

FCC ID: A3LSMS948U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-19-R1.A3L	Test Dates: 9/2/2025 - 10/14/2025	EUT Type: Portable Handset	Page 111 of 142

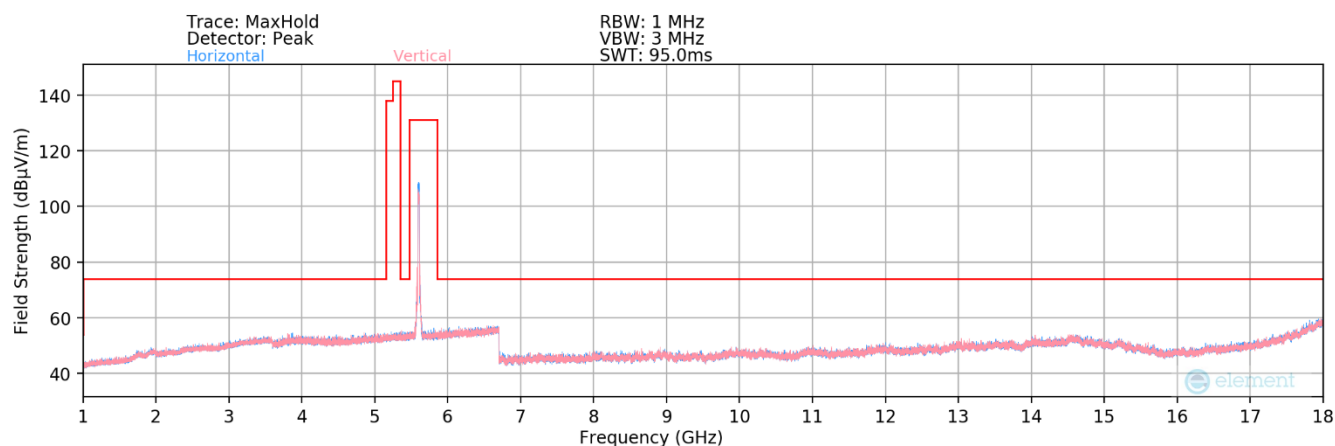
7.6.3 MIMO Radiated Spurious Emission Measurements (242 Tones)



Plot 7-118. Radiated Spurious Plot above 1GHz MIMO (802.11be – UNII 1 Ch. 40)

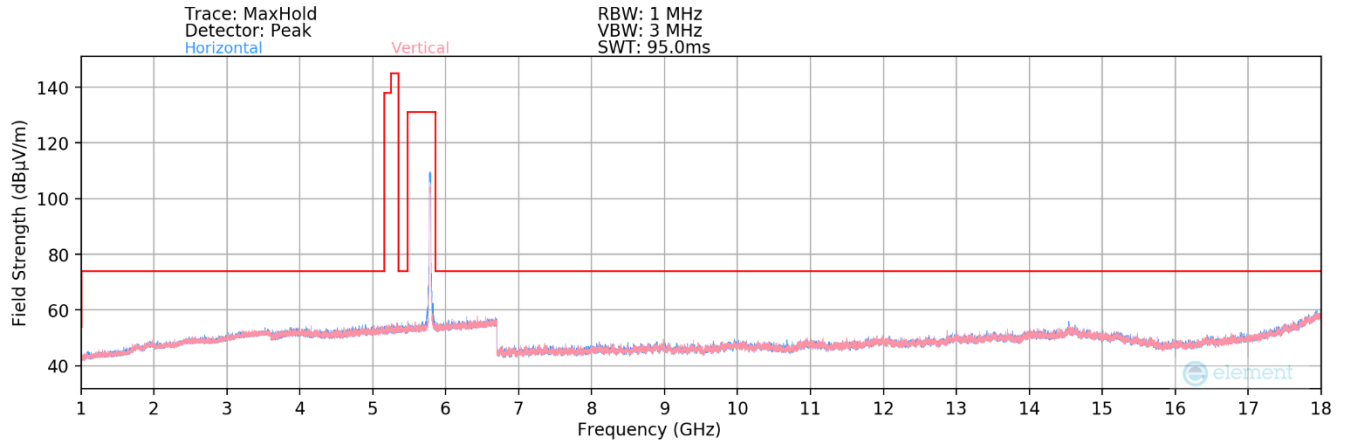


Plot 7-119. Radiated Spurious Plot above 1GHz MIMO (802.11be – UNII 2A Ch. 56)

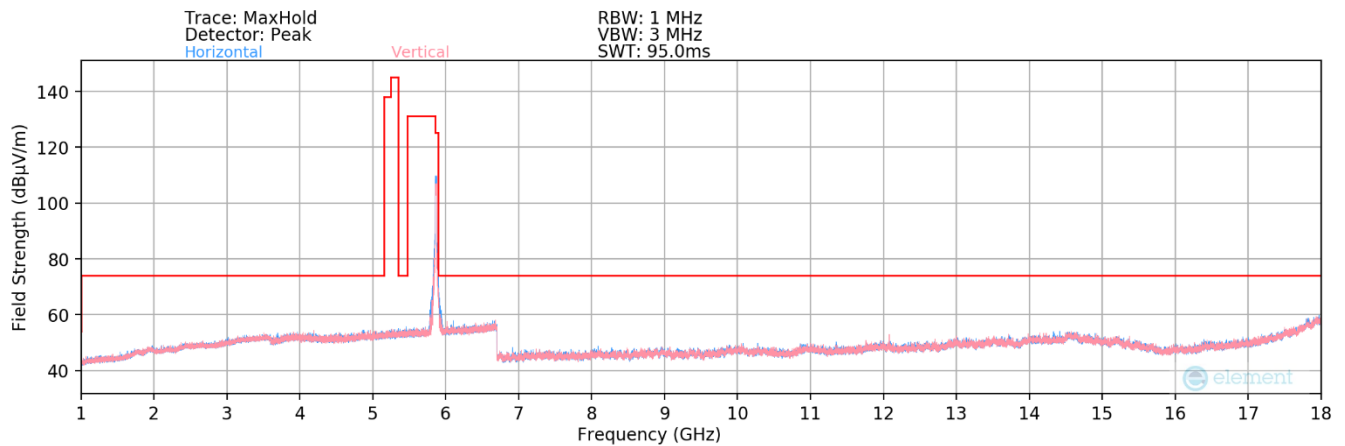


Plot 7-120. Radiated Spurious Plot above 1GHz MIMO (802.11be – UNII 2C Ch. 120)

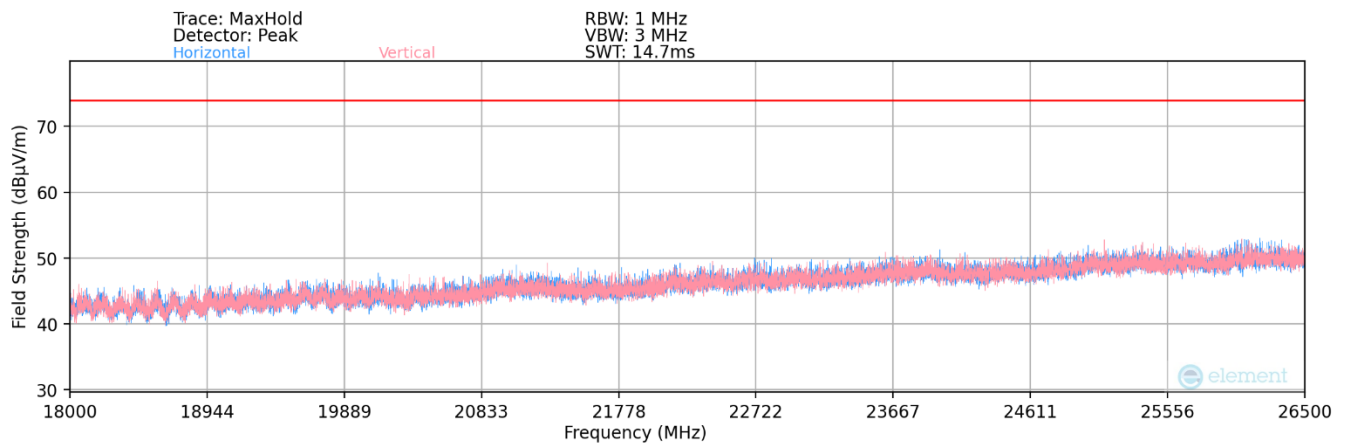
FCC ID: A3LSMS948U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-19-R1.A3L	Test Dates: 9/2/2025 - 10/14/2025	EUT Type: Portable Handset	Page 112 of 142



Plot 7-121. Radiated Spurious Plot above 1GHz MIMO (802.11be – UNII 3 Ch. 157)

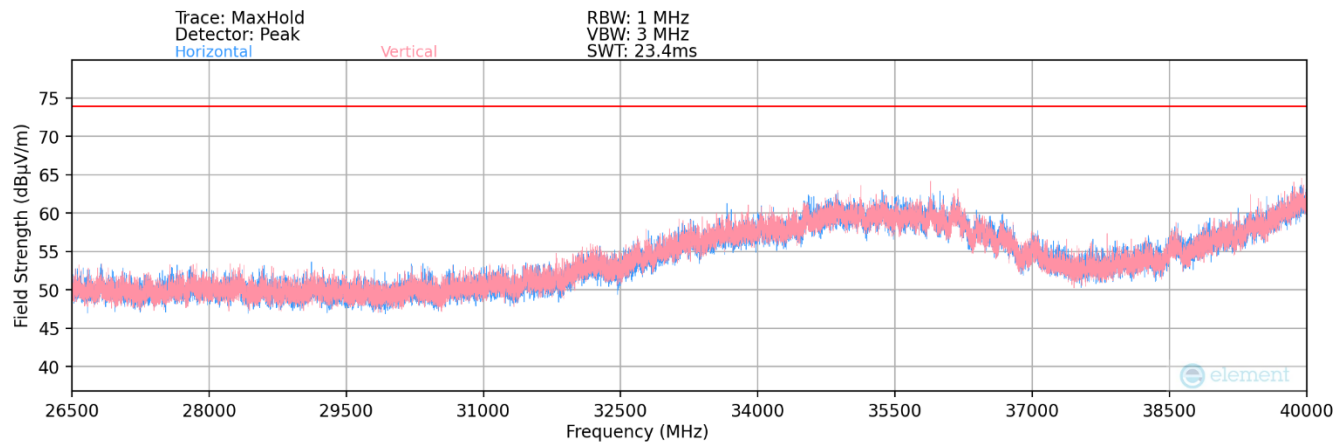


Plot 7-122. Radiated Spurious Plot above 1GHz MIMO (802.11be – UNII 4 Ch. 173)



Plot 7-123. Radiated Spurious Plot 18GHz - 26.5GHz (802.11be)

FCC ID: A3LSMS948U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-19-R1.A3L	Test Dates: 9/2/2025 - 10/14/2025	EUT Type: Portable Handset	Page 113 of 142



Plot 7-124. Radiated Spurious Plot 26.5GHz - 40GHz (802.11be)

FCC ID: A3LSMS948U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-19-R1.A3L	Test Dates: 9/2/2025 - 10/14/2025	EUT Type: Portable Handset	Page 114 of 142

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

Mode	Antenna	UNII Band	Channel	Test Channel Freq. [MHz]	RU Index	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]
802.11be	MIMO	1	36	5180	61		10360.00	Peak	H	-	-	-70.66	19.33	0.00	55.67	68.20	-12.53
						*	15540.00	Average	H	-	-	-84.61	27.78	0.00	50.17	53.98	-3.81
						*	15540.00	Peak	H	-	-	-73.35	27.78	0.00	61.43	73.98	-12.55
						*	20720.00	Average	H	-	-	-69.44	2.48	-9.54	30.50	53.98	-23.48
						*	20720.00	Peak	H	-	-	-59.25	2.48	-9.54	40.70	73.98	-33.28
			40	5200	61		25900.00	Peak	H	-	-	-57.20	4.78	-9.54	45.05	68.20	-23.15
							10400.00	Peak	H	-	-	-70.93	19.95	0.00	56.02	68.20	-12.18
						*	15600.00	Average	H	-	-	-84.87	28.28	0.00	50.41	53.98	-3.57
						*	15600.00	Peak	H	-	-	-73.60	28.28	0.00	61.68	73.98	-12.30
						*	20800.00	Average	H	-	-	-69.55	2.52	-9.54	30.43	53.98	-23.55
						*	20800.00	Peak	H	-	-	-59.34	2.52	-9.54	40.64	73.98	-33.34
							26000.00	Peak	H	-	-	-57.17	4.78	-9.54	45.08	68.20	-23.12
			48	5240	61		10480.00	Peak	H	-	-	-71.76	19.81	0.00	55.05	68.20	-13.15
						*	15720.00	Average	H	-	-	-84.59	28.51	0.00	50.92	53.98	-3.06
						*	15720.00	Peak	H	-	-	-73.55	28.51	0.00	61.96	73.98	-12.02
						*	20960.00	Average	H	-	-	-69.50	2.84	-9.54	30.80	53.98	-23.18
						*	20960.00	Peak	H	-	-	-59.56	2.84	-9.54	40.74	73.98	-33.24
							26200.00	Peak	H	-	-	-57.14	4.91	-9.54	45.23	68.20	-22.97

Table 7-40. Radiated Measurements MIMO (242 Tones)

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

Mode	Antenna	UNII Band	Channel	Test Channel Freq. [MHz]	RU Index	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]
802.11be	MIMO	2A	52	5260	61		6800.00	Peak	H	-	-	-64.71	103.58	0.00	145.87	53.98	-18.74
							6800.00	Average	H	-	-	-76.73	103.58	0.00	133.85	73.98	-18.74
							10520.00	Peak	H	-	-	-71.13	19.95	0.00	55.82	68.20	-12.38
						*	15780.00	Average	H	-	-	-84.30	27.94	0.00	50.64	53.98	-3.34
						*	15780.00	Peak	H	-	-	-72.30	27.94	0.00	62.64	73.98	-11.34
						*	21040.00	Average	H	-	-	-69.50	2.92	-9.54	30.88	53.98	-23.10
						*	21040.00	Peak	H	-	-	-59.00	2.92	-9.54	41.38	73.98	-32.60
			56	5280	61		26300.00	Peak	H	-	-	-57.11	4.91	-9.54	45.26	68.20	-22.94
							6800.00	Peak	H	-	-	-65.19	103.58	0.00	145.39	53.98	-18.74
							6800.00	Average	H	-	-	-76.71	103.58	0.00	133.87	73.98	-18.74
							10560.00	Peak	H	-	-	-71.51	20.09	0.00	55.58	68.20	-12.62
						*	15840.00	Average	H	-	-	-84.37	28.21	0.00	50.84	53.98	-3.14
						*	15840.00	Peak	H	-	-	-72.68	28.21	0.00	62.53	73.98	-11.45
						*	21120.00	Average	H	-	-	-69.64	2.87	-9.54	30.69	53.98	-23.29
			64	5320	61	*	21120.00	Peak	H	-	-	-59.12	2.87	-9.54	41.21	73.98	-32.77
							26400.00	Peak	H	-	-	-56.89	4.85	-9.54	45.42	68.20	-22.78
							6800.00	Average	H	-	-	-76.79	103.58	0.00	133.79	53.98	-18.74
							6800.00	Peak	H	-	-	-65.47	103.58	0.00	145.11	73.98	-18.74
						*	10640.00	Average	H	-	-	-82.93	19.88	0.00	43.95	53.98	-10.03
						*	10640.00	Peak	H	-	-	-71.64	19.88	0.00	55.24	73.98	-18.74
						*	15960.00	Average	H	-	-	-84.36	28.15	0.00	50.79	53.98	-3.19
						*	15960.00	Peak	H	-	-	-72.52	28.15	0.00	62.63	73.98	-11.35
						*	21280.00	Average	H	-	-	-69.71	2.96	-9.54	30.71	53.98	-23.27
						*	21280.00	Peak	H	-	-	-59.24	2.96	-9.54	41.18	73.98	-32.80
							26600.00	Peak	H	-	-	-57.01	5.05	-9.54	45.51	68.20	-22.69

Table 7-41. Radiated Measurements MIMO (242 Tones)

FCC ID: A3LSMS948U	MEASUREMENT REPORT				Approved by: Technical Manager	
Test Report S/N: 1M2508250078-19-R1.A3L	Test Dates: 9/2/2025 - 10/14/2025	EUT Type: Portable Handset			Page 115 of 142	



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

Mode	Antenna	UNII Band	Channel	Test Channel Freq. [MHz]	RU Index	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]
802.11be	MIMO	2C	100	5500	61	*	11000.00	Average	H	-	-	-83.38	20.82	0.00	44.44	53.98	-9.54
						*	11000.00	Peak	H	-	-	-71.50	20.82	0.00	56.32	73.98	-17.66
							16500.00	Peak	H	-	-	-73.54	29.99	-9.54	53.91	68.20	-14.29
							22000.00	Peak	H	-	-	-59.22	3.01	-9.54	41.25	68.20	-26.95
							27500.00	Peak	H	-	-	-57.18	5.00	-9.54	45.29	68.20	-22.91
			120	5600	61	*	11200.00	Average	H	-	-	-82.83	20.86	0.00	45.03	53.98	-8.95
						*	11200.00	Peak	H	-	-	-71.23	20.86	0.00	56.63	73.98	-17.35
							16800.00	Peak	H	-	-	-72.97	29.40	0.00	63.43	68.20	-4.77
						*	22400.00	Average	H	-	-	-69.00	3.44	-9.54	31.90	53.98	-22.08
						*	22400.00	Peak	H	-	-	-58.63	3.44	-9.54	42.27	73.98	-31.71
			144	5720	61		28000.00	Peak	H	-	-	-56.90	5.31	-9.54	45.87	68.20	-22.33
						*	11440.00	Average	H	-	-	-83.24	21.42	0.00	45.18	53.98	-8.80
						*	11440.00	Peak	H	-	-	-71.85	21.42	0.00	56.57	73.98	-17.41
							17160.00	Peak	H	-	-	-73.59	29.93	0.00	63.34	68.20	-4.86
						*	22880.00	Average	H	-	-	-68.95	3.60	-9.54	32.11	53.98	-21.87
						*	22880.00	Peak	H	-	-	-58.66	3.60	-9.54	42.40	73.98	-31.58
							28600.00	Peak	H	-	-	-57.48	5.30	-9.54	45.28	68.20	-22.92

Table 7-42. Radiated Measurements MIMO (242 Tones)

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

Mode	Antenna	UNII Band	Channel	Test Channel Freq. [MHz]	RU Index	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]
802.11be	MIMO	3	149	5745	61	*	11490.00	Average	H	-	-	-82.82	21.75	0.00	45.93	53.98	-8.05
						*	11490.00	Peak	H	-	-	-71.59	21.75	0.00	57.16	73.98	-16.82
							17235.00	Peak	H	-	-	-73.10	29.58	0.00	63.48	68.20	-4.72
						*	22980.00	Average	H	-	-	-68.92	3.63	-9.54	32.17	53.98	-21.81
						*	22980.00	Peak	H	-	-	-58.54	3.63	-9.54	42.55	73.98	-31.43
			157	5785	61		28725.00	Peak	H	-	-	-57.84	5.24	-9.54	44.86	68.20	-23.34
						*	11570.00	Average	H	-	-		21.70	0.00	45.72	53.98	-8.26
						*	11570.00	Peak	H	-	-	-72.04	21.70	0.00	56.66	73.98	-17.32
							17355.00	Peak	H	-	-	-72.24	29.68	0.00	64.44	68.20	-3.76
							23140.00	Peak	H	-	-	-58.41	3.75	-9.54	42.80	68.20	-25.40
			165	5825	61		28925.00	Peak	H	-	-	-57.77	5.12	-9.54	44.81	68.20	-23.39
						*	11650.00	Average	H	-	-	-83.08	21.78	0.00	45.70	53.98	-8.28
						*	11650.00	Peak	H	-	-	-72.26	21.78	0.00	56.52	73.98	-17.46
							17475.00	Peak	H	-	-	-72.76	29.63	0.00	63.87	68.20	-4.33
							23300.00	Peak	H	-	-	-58.55	3.73	-9.54	42.65	68.20	-25.55
							29125.00	Peak	H	-	-	-57.66	5.23	-9.54	45.04	68.20	-23.16

Table 7-43. Radiated Measurements MIMO (242 Tones)

FCC ID: A3LSMS948U	MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2508250078-19-R1.A3L	Test Dates: 9/2/2025 - 10/14/2025	EUT Type: Portable Handset		Page 116 of 142

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

Mode	Antenna	UNII Band	Channel	Test Channel Freq. [MHz]	RU Index	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]
802.11be	MIMO	4	169	5845	61	*	11690.00	Average	H	-	-	-83.14	21.85	0.00	45.71	53.98	-8.27
						*	11690.00	Peak	H	-	-	-72.03	21.85	0.00	56.82	73.98	-17.16
							17535.00	Peak	H	-	-	-73.53	29.37	0.00	62.84	68.20	-5.36
							23380.00	Peak	H	-	-	-58.56	3.80	-9.54	42.71	68.20	-25.49
							29225.00	Peak	H	-	-	-57.61	5.22	-9.54	45.07	68.20	-23.13
			173	5865	61	*	11730.00	Average	H	-	-	-83.51	22.73	0.00	46.22	53.98	-7.76
						*	11730.00	Peak	H	-	-	-71.83	22.73	0.00	57.90	73.98	-16.08
							17595.00	Peak	H	-	-	-73.40	29.56	0.00	63.16	68.20	-5.04
							23460.00	Peak	H	-	-	-58.42	3.86	-9.54	42.90	68.20	-25.30
							29325.00	Peak	H	-	-	-57.49	5.14	-9.54	45.11	68.20	-23.09
			177	5885	61	*	11770.00	Average	H	-	-	-83.35	21.98	0.00	45.63	53.98	-8.35
						*	11770.00	Peak	H	-	-	-72.02	21.98	0.00	56.96	73.98	-17.02
							17655.00	Peak	H	-	-	-73.12	29.85	0.00	63.73	68.20	-4.47
							23540.00	Peak	H	-	-	-58.36	4.01	-9.54	43.11	68.20	-25.09
							29425.00	Peak	H	-	-	-57.55	5.11	-9.54	45.01	68.20	-23.19

Table 7-44. Radiated Measurements MIMO (242 Tones)

MIMO Radiated Spurious Emission Measurements (242 Tones) – With WCP

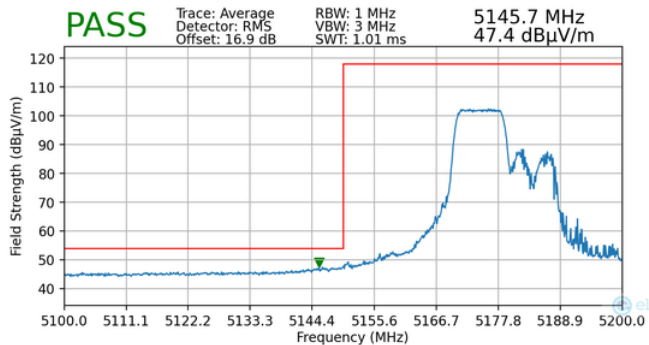
Mode	Antenna	UNII Band	Channel	Test Channel Freq. [MHz]	RU Index	Restricted	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
802.11be	MIMO	1	40	5200	61		10400.00	Peak	H	-	-	-68.25	8.59	0.00	47.34	68.20	-20.86
						*	15600.00	Average	H	-	-	-77.98	8.83	0.00	37.85	53.98	-16.13
						*	15600.00	Peak	H	-	-	-66.70	8.83	0.00	49.13	73.98	-24.85
						*	20800.00	Average	H	-	-	-67.12	2.52	-9.54	32.86	53.98	-21.12
						*	20800.00	Peak	H	-	-	-56.18	2.52	-9.54	43.80	73.98	-30.18
							26000.00	Peak	H	-	-	-55.32	4.78	-9.54	46.92	68.20	-21.28

Table 7-45. Radiated Measurements MIMO with WCP (242 Tones)

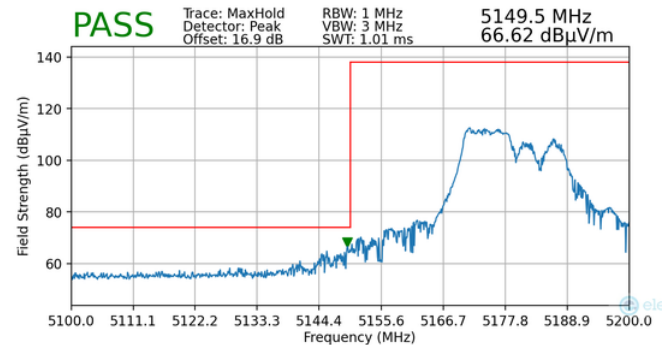
FCC ID: A3LSMS948U	MEASUREMENT REPORT				Approved by: Technical Manager	
Test Report S/N: 1M2508250078-19-R1.A3L	Test Dates: 9/2/2025 - 10/14/2025	EUT Type: Portable Handset			Page 117 of 142	

7.6.4 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

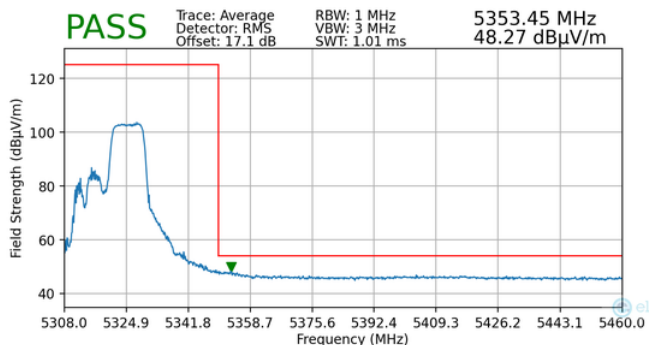


Plot 7-125. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 106 Tones)

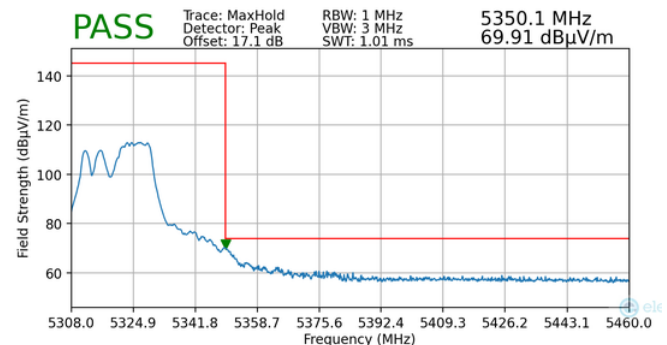


Plot 7-126. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1 – 106 Tones)

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



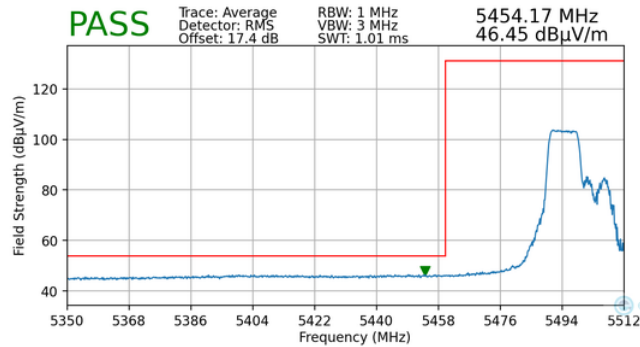
Plot 7-127. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A – 106 Tones)



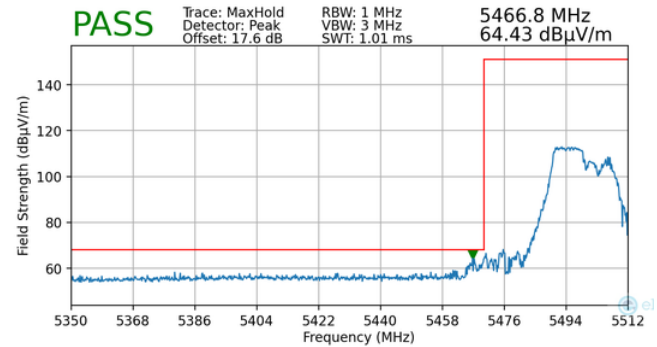
Plot 7-128. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 106 Tones)

FCC ID: A3LSMS948U	MEASUREMENT REPORT		Approved by: Technical Manager
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Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index:	53
Distance of Measurements:	3 Meters
Operating Frequency:	5500MHz
Channel:	100

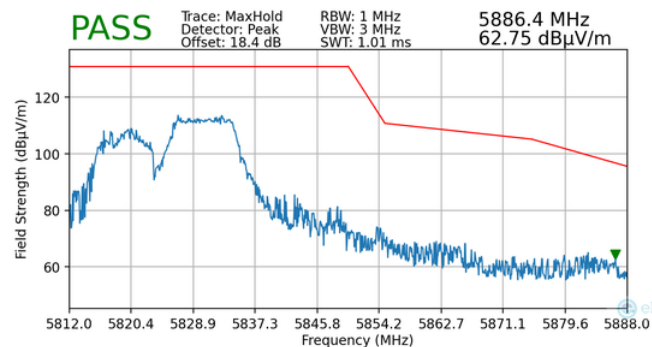


Plot 7-129. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C – 106 Tones)



Plot 7-130. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C – 106 Tones)

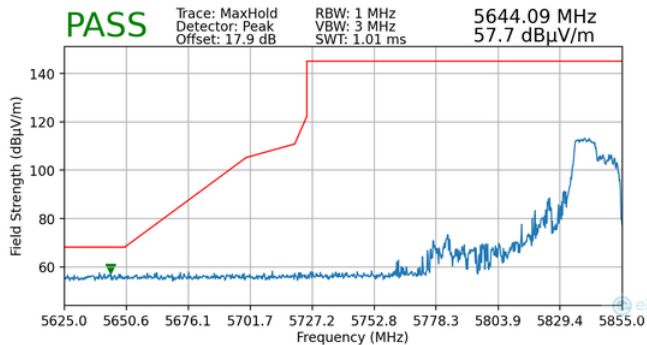
Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index:	54
Distance of Measurements:	3 Meters
Operating Frequency:	5825MHz
Channel:	165



Plot 7-131. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 3 – 106 Tones)

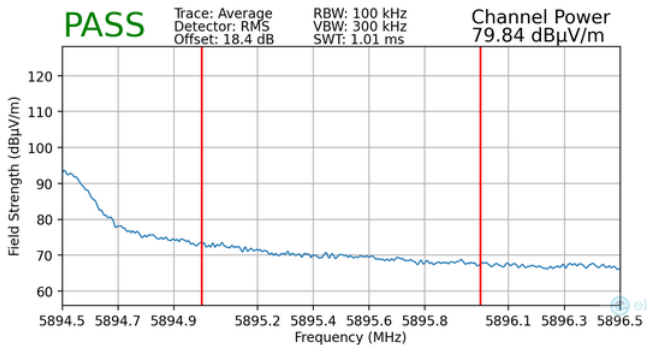
FCC ID: A3LSMS948U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-19-R1.A3L	Test Dates: 9/2/2025 - 10/14/2025	EUT Type: Portable Handset	Page 119 of 142

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

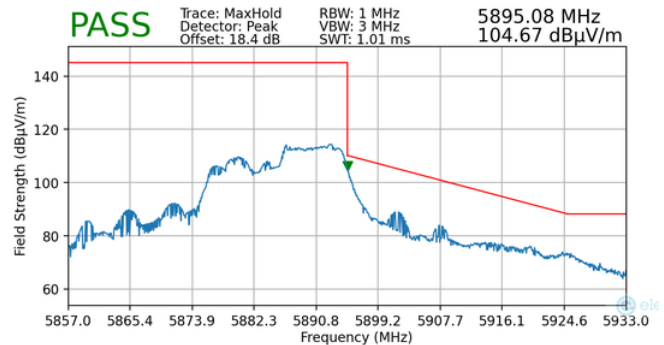


**Plot 7-132. Radiated Lower Band Edge Plot MIMO
(Peak – UNII Band 4 – 106 Tones)**

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



**Plot 7-133. Radiated Upper Band Edge Plot MIMO
(Average – UNII Band 4 – 106 Tones)**

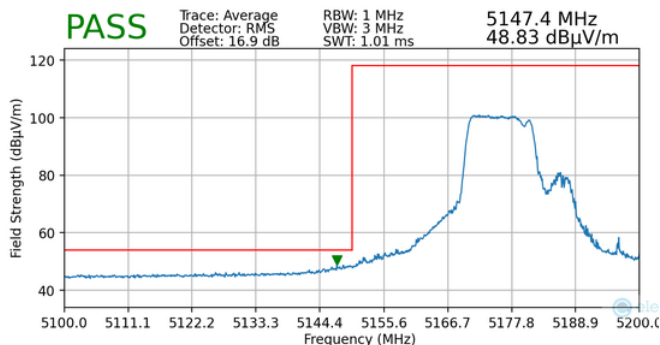


**Plot 7-134. Radiated Upper Band Edge Plot MIMO
(Peak – UNII Band 4 – 106 Tones)**

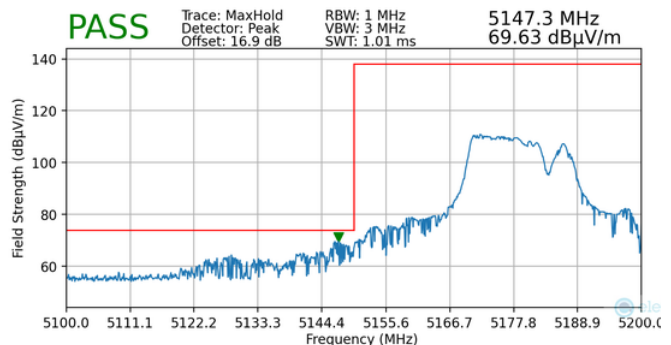
FCC ID: A3LSMS948U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-19-R1.A3L	Test Dates: 9/2/2025 - 10/14/2025	EUT Type: Portable Handset	Page 120 of 142

7.6.5 MIMO Radiated Band Edge Measurements (20MHz BW – MRU – 106+26T)

Worst Case Mode:	802.11be
Worst Case Transfer Rate:	MCS0
RU Index:	82
Distance of Measurements:	3 Meters
Operating Frequency:	5180MHz
Channel:	36

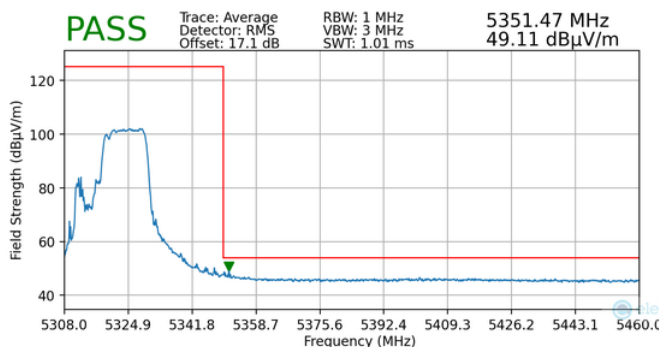


Plot 7-135. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 106+26 Tones)

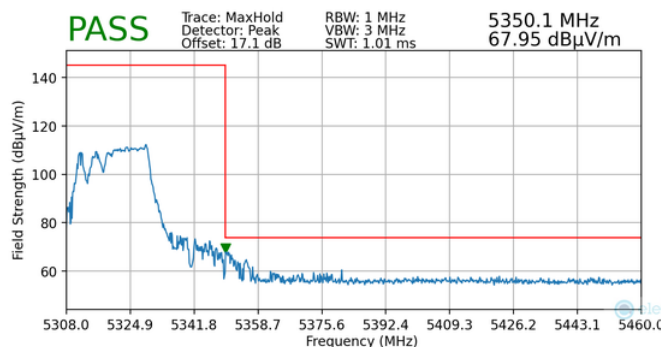


Plot 7-136. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1 – 106+26 Tones)

Worst Case Mode:	802.11be
Worst Case Transfer Rate:	MCS0
RU Index:	83
Distance of Measurements:	3 Meters
Operating Frequency:	5320MHz
Channel:	64



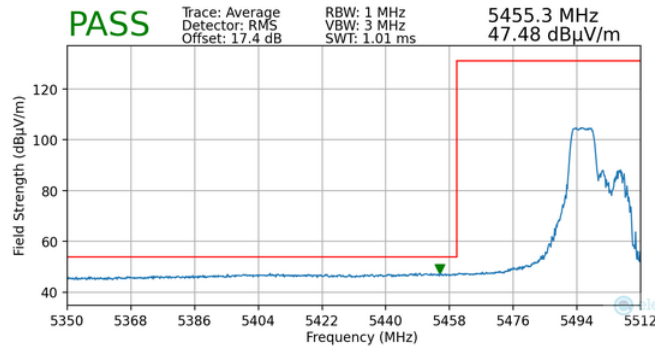
Plot 7-137. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A – 106+26 Tones)



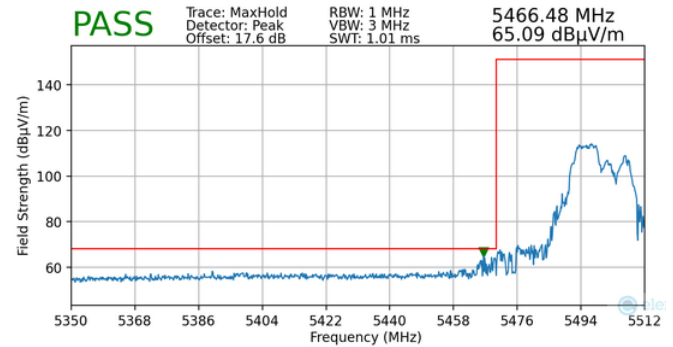
Plot 7-138. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 106+26 Tones)

FCC ID: A3LSMS948U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-19-R1.A3L	Test Dates: 9/2/2025 - 10/14/2025	EUT Type: Portable Handset	Page 121 of 142

Worst Case Mode:	802.11be
Worst Case Transfer Rate:	MCS0
RU Index:	82
Distance of Measurements:	3 Meters
Operating Frequency:	5500MHz
Channel:	100

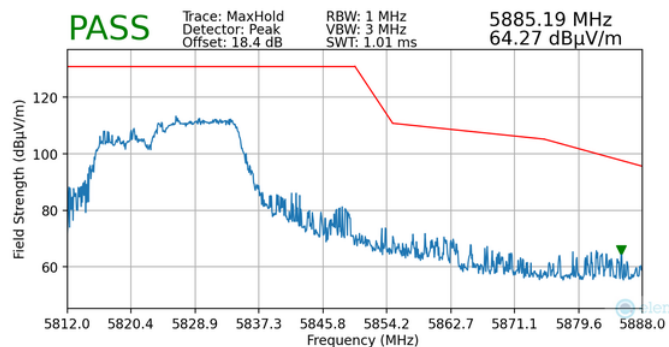


**Plot 7-139. Radiated Lower Band Edge Plot MIMO
(Average – UNII Band 2C – 106+26 Tones)**



**Plot 7-140. Radiated Lower Band Edge Plot MIMO
(Peak – UNII Band 2C – 106+26 Tones)**

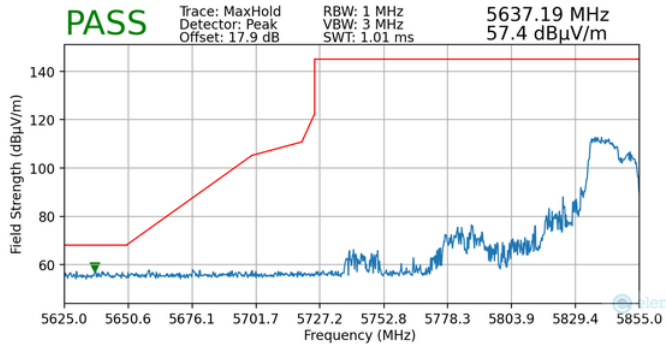
Worst Case Mode:	802.11be
Worst Case Transfer Rate:	MCS0
RU Index:	83
Distance of Measurements:	3 Meters
Operating Frequency:	5825MHz
Channel:	165



**Plot 7-141. Radiated Upper Band Edge Plot MIMO
(Peak – UNII Band 3 – 106+26 Tones)**

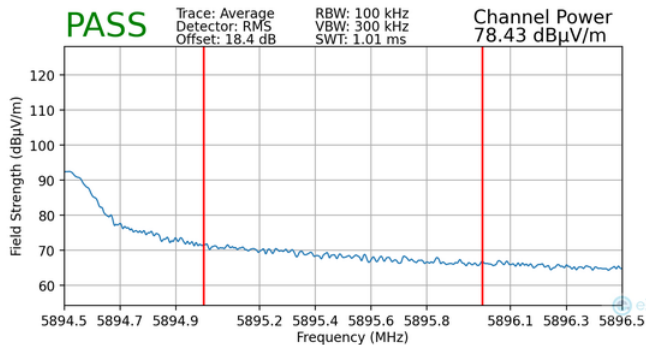
FCC ID: A3LSMS948U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-19-R1.A3L	Test Dates: 9/2/2025 - 10/14/2025	EUT Type: Portable Handset	Page 122 of 142

Worst Case Mode: 802.11be
 Worst Case Transfer Rate: MCS0
 RU Index: 82
 Distance of Measurements: 3 Meters
 Operating Frequency: 5845MHz
 Channel: 169

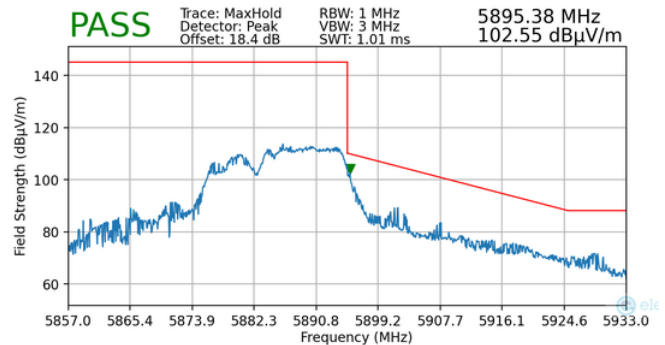


Plot 7-142. Radiated Lower Band Edge Plot MIMO (Peak - UNII Band 4 - 106+26 Tones)

Worst Case Mode: 802.11be
 Worst Case Transfer Rate: MCS0
 RU Index: 83
 Distance of Measurements: 3 Meters
 Operating Frequency: 5885MHz
 Channel: 177



Plot 7-143. Radiated Upper Band Edge Plot MIMO (Average - UNII Band 4 - 106+26 Tones)

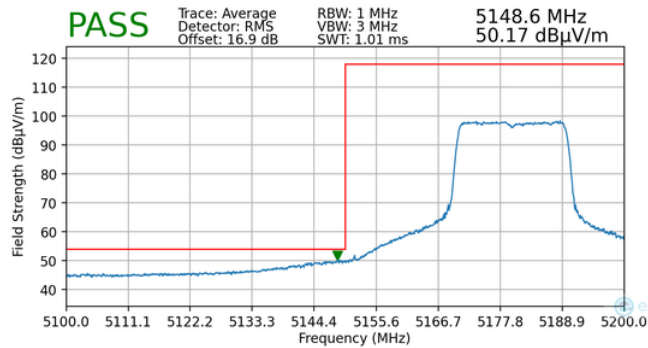


Plot 7-144. Radiated Upper Band Edge Plot MIMO (Peak - UNII Band 4 - 106+26 Tones)

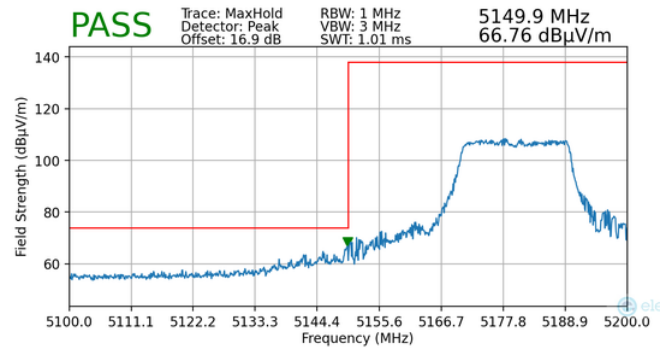
FCC ID: A3LSMS948U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-19-R1.A3L	Test Dates: 9/2/2025 - 10/14/2025	EUT Type: Portable Handset	Page 123 of 142

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

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

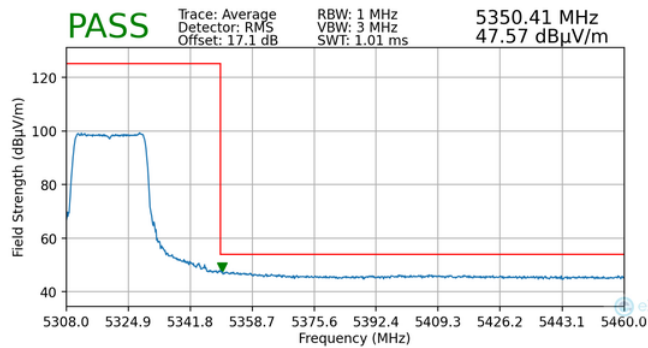


Plot 7-145. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 242 Tones)

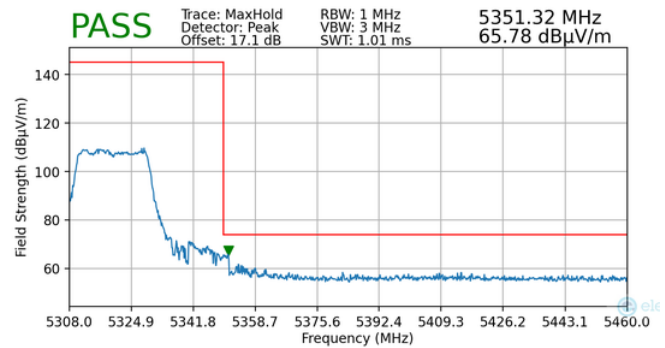


Plot 7-146. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1 – 242 Tones)

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



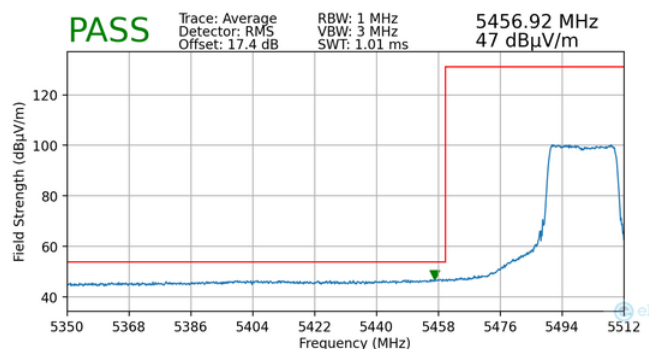
Plot 7-147. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A – 242 Tones)



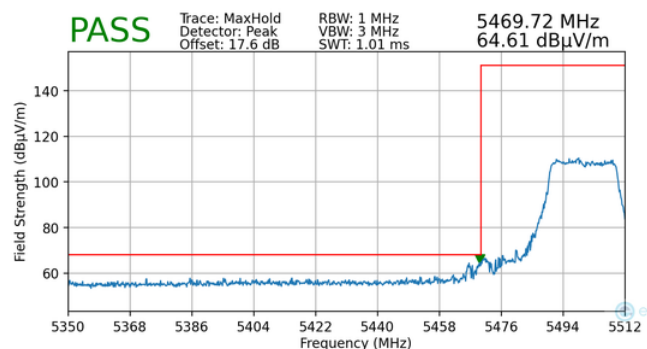
Plot 7-148. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 242 Tones)

FCC ID: A3LSMS948U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-19-R1.A3L	Test Dates: 9/2/2025 - 10/14/2025	EUT Type: Portable Handset	Page 124 of 142

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

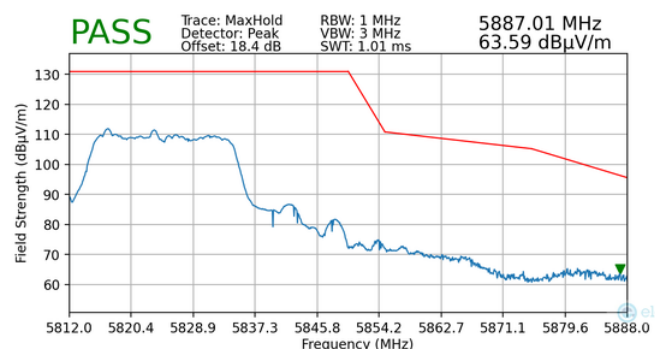


**Plot 7-149. Radiated Lower Band Edge Plot MIMO
(Average – UNII Band 2C – 242 Tones)**



**Plot 7-150. Radiated Lower Band Edge Plot MIMO
(Peak – UNII Band 2C – 242 Tones)**

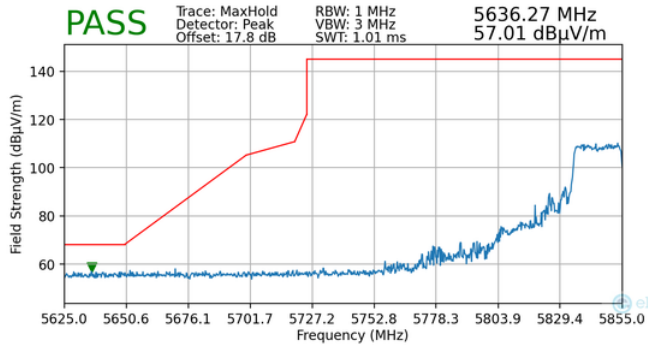
Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	5825MHz
Channel:	165



**Plot 7-151. Radiated Upper Band Edge Plot MIMO
(Peak – UNII Band 3 – 242 Tones)**

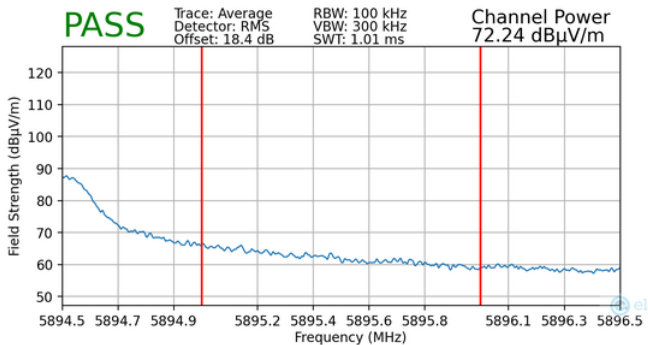
FCC ID: A3LSMS948U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-19-R1.A3L	Test Dates: 9/2/2025 - 10/14/2025	EUT Type: Portable Handset	Page 125 of 142

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

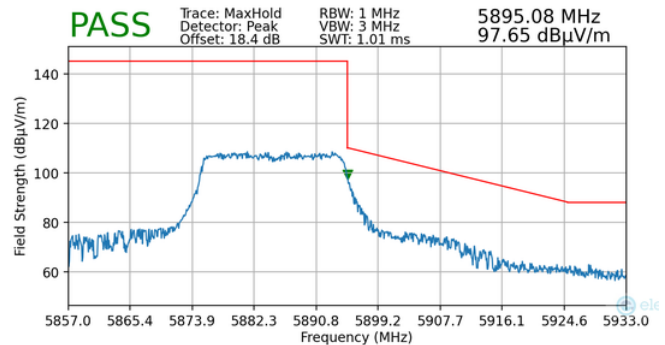


Plot 7-152. Radiated Lower Band Edge Plot MIMO (Peak - UNII Band 4 - 242 Tones)

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



Plot 7-153. Radiated Upper Band Edge Plot MIMO (Average - UNII Band 4 - 242 Tones)

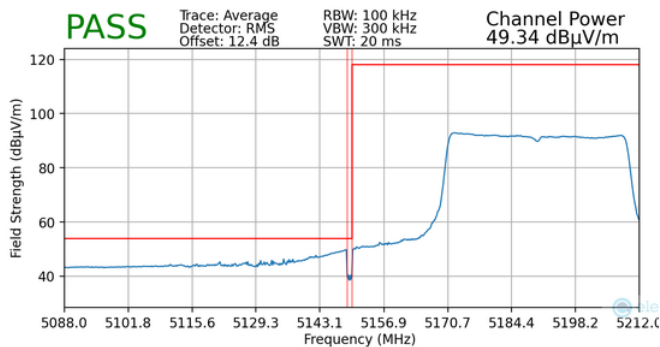


Plot 7-154. Radiated Upper Band Edge Plot MIMO (Peak - UNII Band 4 - 242 Tones)

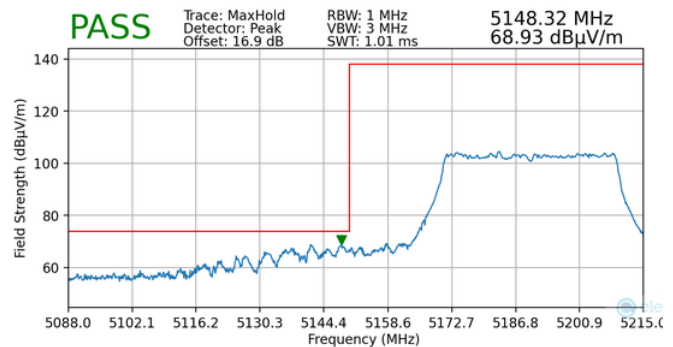
FCC ID: A3LSMS948U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-19-R1.A3L	Test Dates: 9/2/2025 - 10/14/2025	EUT Type: Portable Handset	Page 126 of 142

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

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

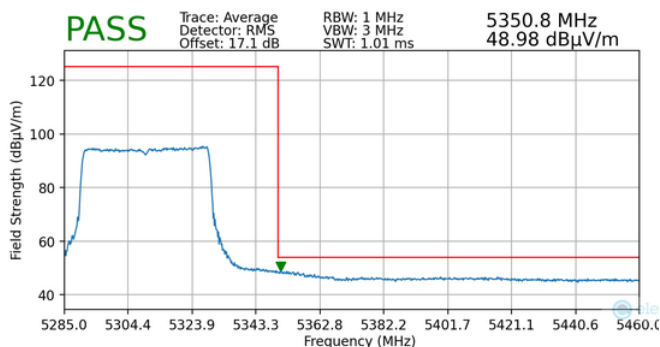


Plot 7-155. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 484 Tones)

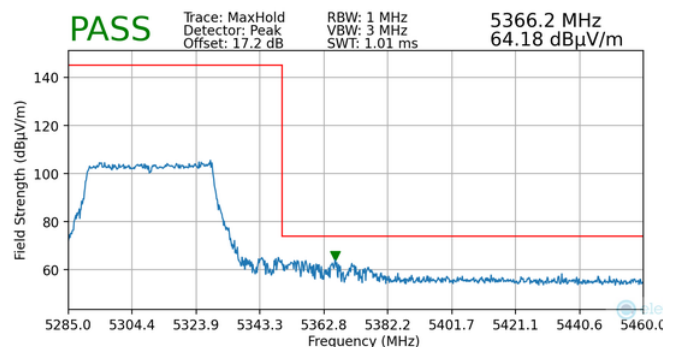


Plot 7-156. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1 – 484 Tones)

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



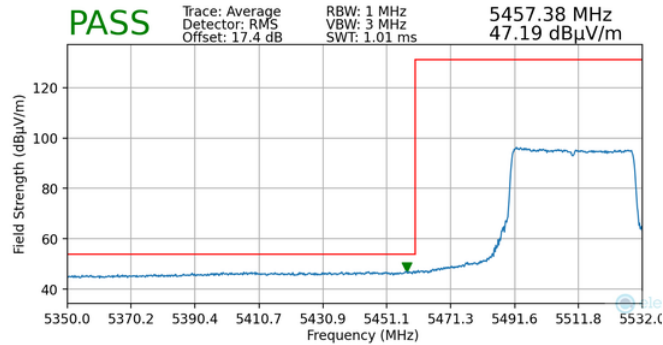
Plot 7-157. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A – 484 Tones)



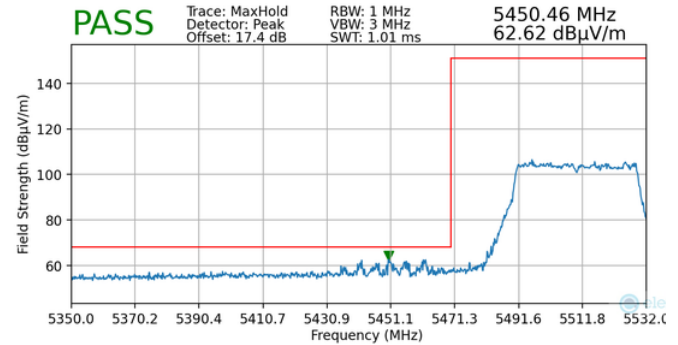
Plot 7-158. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 484 Tones)

FCC ID: A3LSMS948U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-19-R1.A3L	Test Dates: 9/2/2025 - 10/14/2025	EUT Type: Portable Handset	Page 127 of 142

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

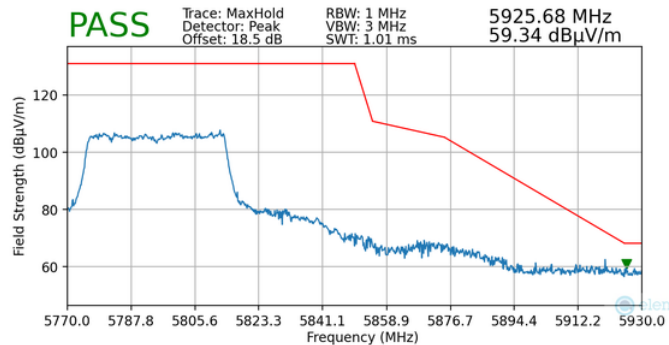


Plot 7-159. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C – 484 Tones)



Plot 7-160. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C – 484 Tones)

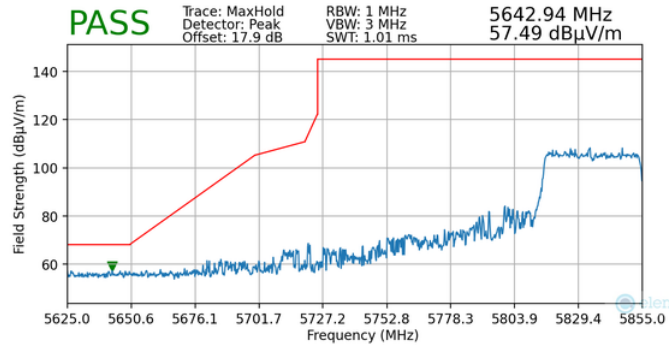
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS0
 RU Index: 65
 Distance of Measurements: 3 Meters
 Operating Frequency: 5795MHz
 Channel: 159



Plot 7-161. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 3 – 484 Tones)

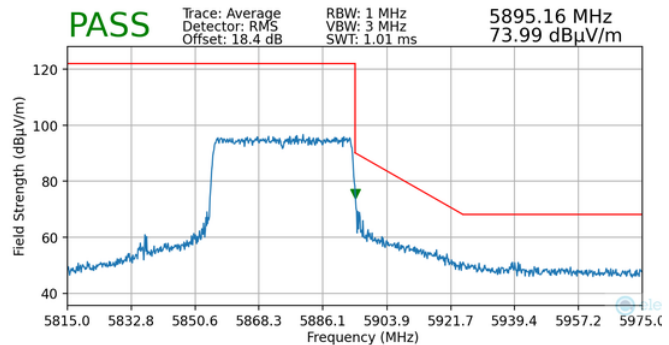
FCC ID: A3LSMS948U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-19-R1.A3L	Test Dates: 9/2/2025 - 10/14/2025	EUT Type: Portable Handset	Page 128 of 142

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

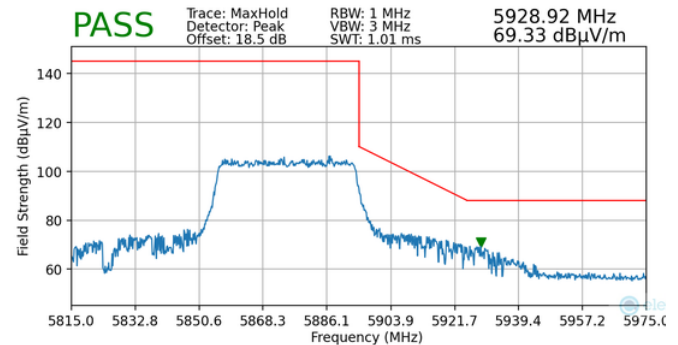


Plot 7-162. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 4 – 484 Tones)

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



Plot 7-163. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 4 – 484 Tones)

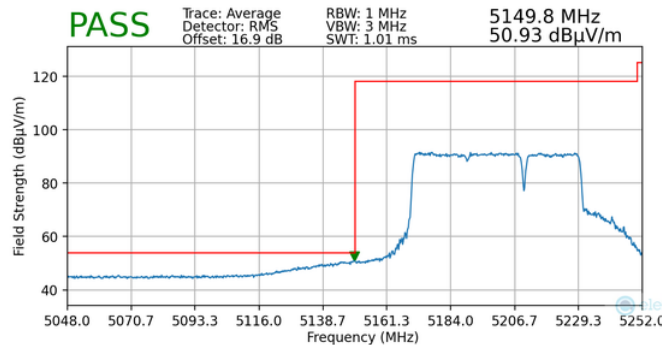


Plot 7-164. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 4 – 484 Tones)

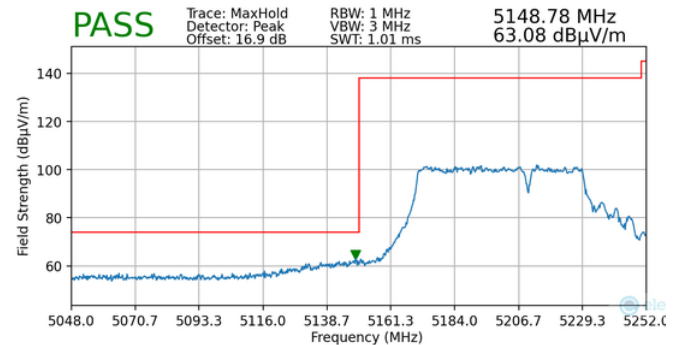
FCC ID: A3LSMS948U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-19-R1.A3L	Test Dates: 9/2/2025 - 10/14/2025	EUT Type: Portable Handset	Page 129 of 142

7.6.8 MIMO Radiated Band Edge Measurements (80MHz BW – MRU – 484+242T)

Worst Case Mode:	802.11be
Worst Case Transfer Rate:	MCS0
RU Index:	93
Distance of Measurements:	3 Meters
Operating Frequency:	5210MHz
Channel:	42

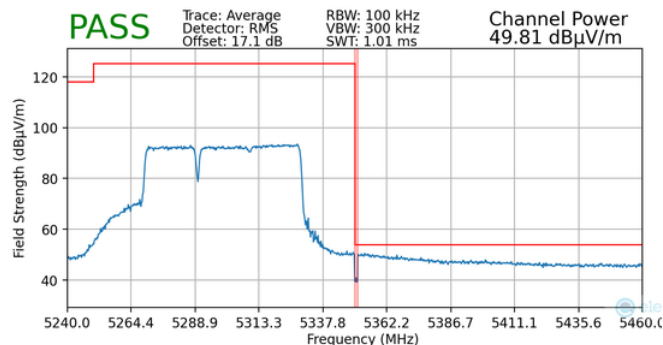


Plot 7-165. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 484+242 Tones)

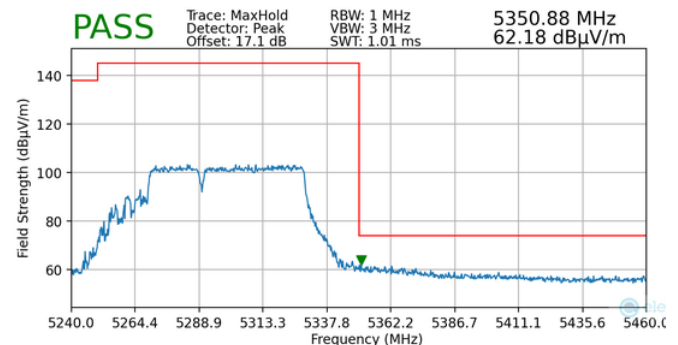


Plot 7-166. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1 – 484+242 Tones)

Worst Case Mode:	802.11be
Worst Case Transfer Rate:	MCS0
RU Index:	90
Distance of Measurements:	3 Meters
Operating Frequency:	5290MHz
Channel:	58



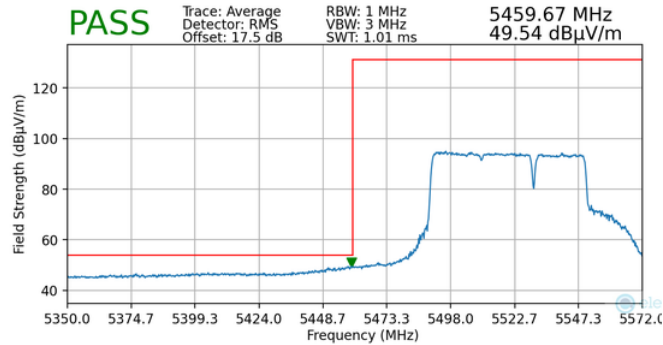
Plot 7-167. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A – 484+242 Tones)



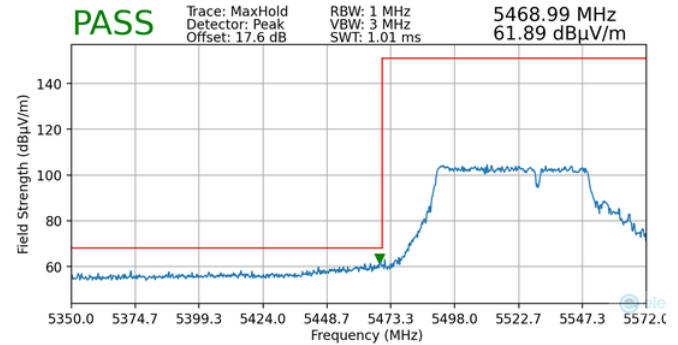
Plot 7-168. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 484+242 Tones)

FCC ID: A3LSMS948U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-19-R1.A3L	Test Dates: 9/2/2025 - 10/14/2025	EUT Type: Portable Handset	Page 130 of 142

Worst Case Mode: 802.11be
 Worst Case Transfer Rate: MCS0
 RU Index: 93
 Distance of Measurements: 3 Meters
 Operating Frequency: 5530MHz
 Channel: 106

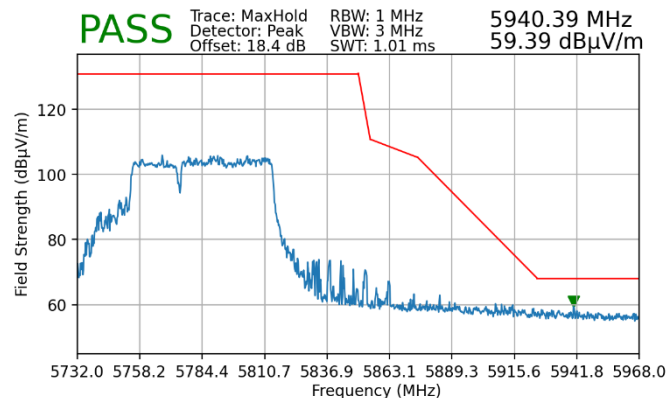


Plot 7-169. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C – 484+242 Tones)



Plot 7-170. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C – 484+242 Tones)

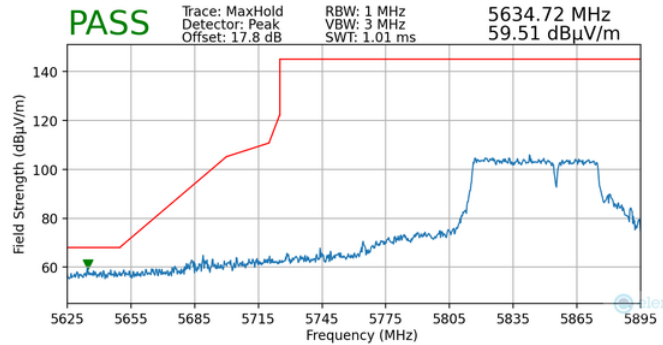
Worst Case Mode: 802.11be
 Worst Case Transfer Rate: MCS0
 RU Index: 90
 Distance of Measurements: 3 Meters
 Operating Frequency: 5775MHz
 Channel: 155



Plot 7-171. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 3 – 484+242 Tones)

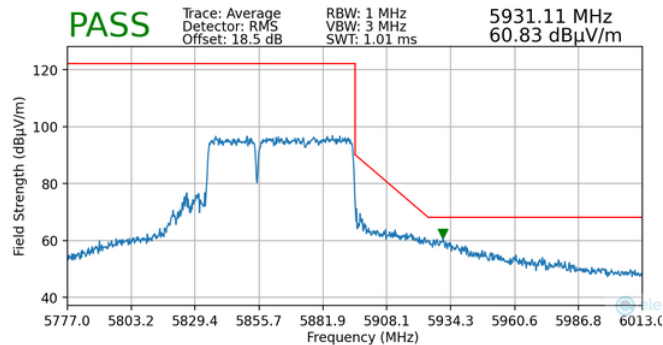
FCC ID: A3LSMS948U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-19-R1.A3L	Test Dates: 9/2/2025 - 10/14/2025	EUT Type: Portable Handset	Page 131 of 142

Worst Case Mode: 802.11be
 Worst Case Transfer Rate: MCS0
 RU Index: 93
 Distance of Measurements: 3 Meters
 Operating Frequency: 5855MHz
 Channel: 171

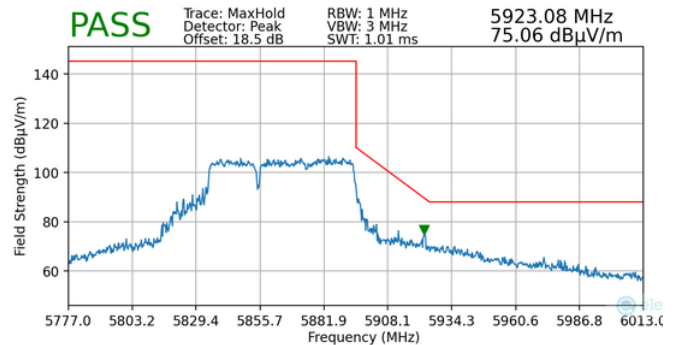


**Plot 7-172. Radiated Lower Band Edge Plot MIMO
(Peak – UNII Band 4 – 484+242 Tones)**

Worst Case Mode: 802.11be
 Worst Case Transfer Rate: MCS0
 RU Index: 90
 Distance of Measurements: 3 Meters
 Operating Frequency: 5855MHz
 Channel: 171



**Plot 7-173. Radiated Upper Band Edge Plot MIMO
(Average – UNII Band 4 – 484+242 Tones)**

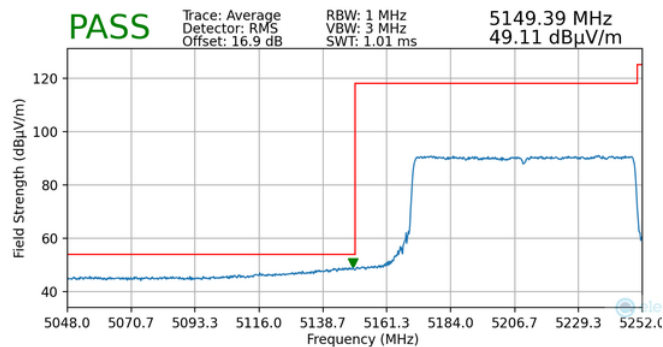


**Plot 7-174. Radiated Upper Band Edge Plot MIMO
(Peak – UNII Band 4 – 484+242 Tones)**

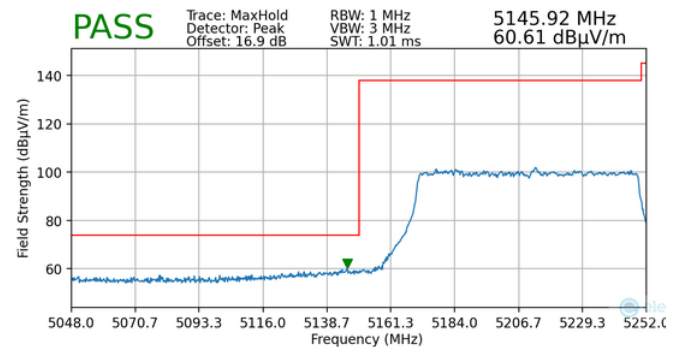
FCC ID: A3LSMS948U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-19-R1.A3L	Test Dates: 9/2/2025 - 10/14/2025	EUT Type: Portable Handset	Page 132 of 142

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

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

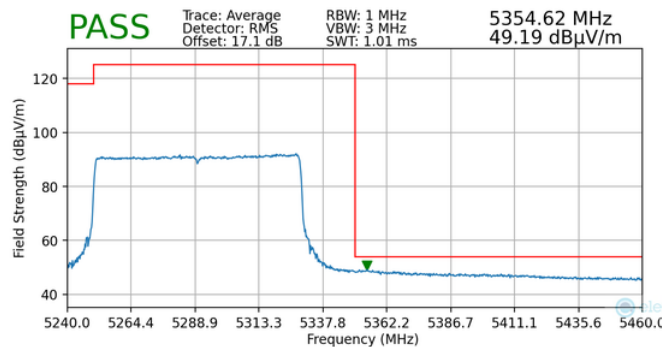


Plot 7-175. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 996 Tones)

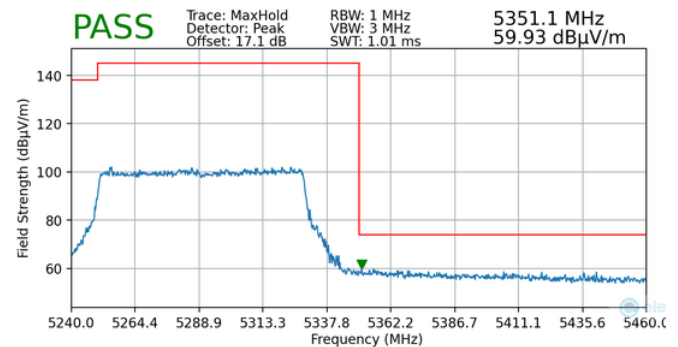


Plot 7-176. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1 – 996 Tones)

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



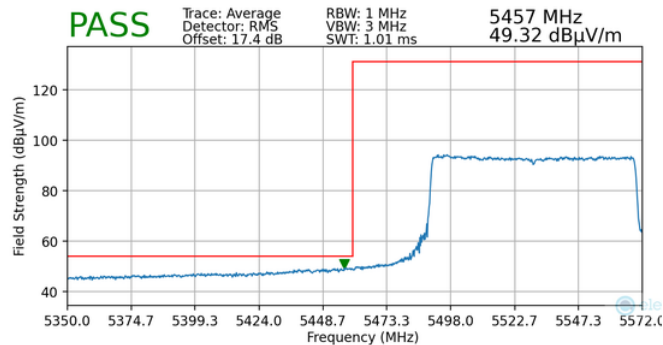
Plot 7-177. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A – 996 Tones)



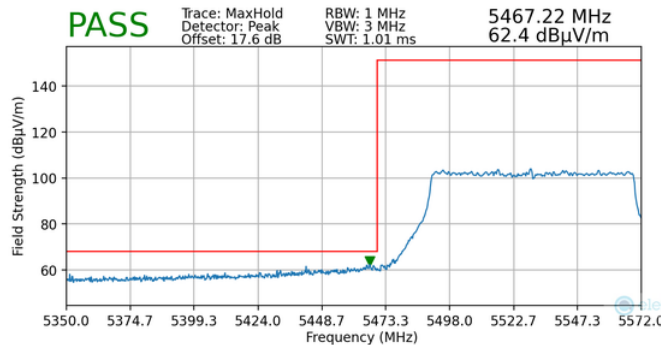
Plot 7-178. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 996 Tones)

FCC ID: A3LSMS948U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-19-R1.A3L	Test Dates: 9/2/2025 - 10/14/2025	EUT Type: Portable Handset	Page 133 of 142

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS0
 RU Index: 67
 Distance of Measurements: 3 Meters
 Operating Frequency: 5530MHz
 Channel: 106

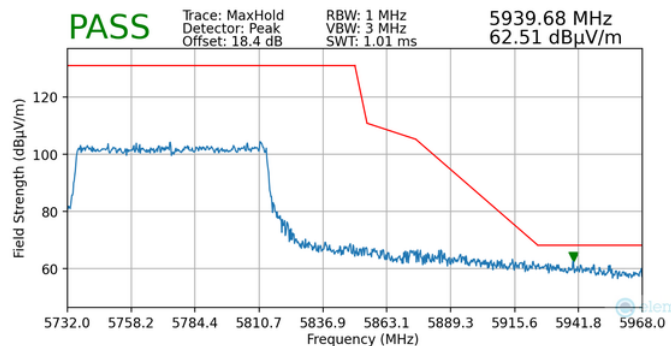


Plot 7-179. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C – 996 Tones)



Plot 7-180. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C – 996 Tones)

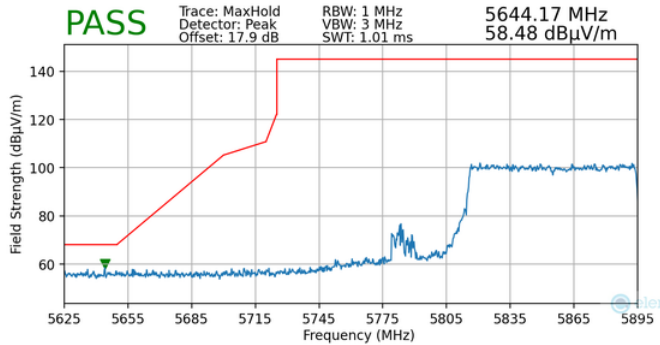
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS0
 RU Index: 67
 Distance of Measurements: 3 Meters
 Operating Frequency: 5775MHz
 Channel: 155



Plot 7-181. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 3 – 996 Tones)

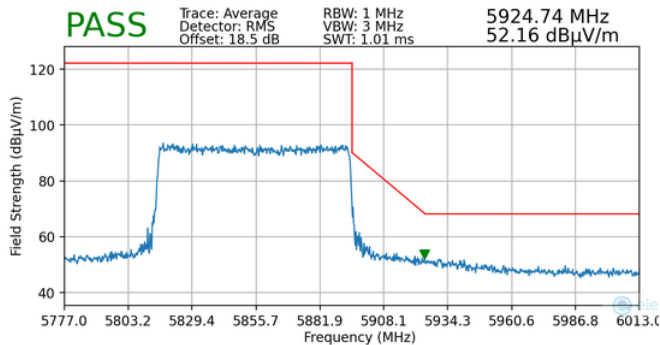
FCC ID: A3LSMS948U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-19-R1.A3L	Test Dates: 9/2/2025 - 10/14/2025	EUT Type: Portable Handset	Page 134 of 142

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

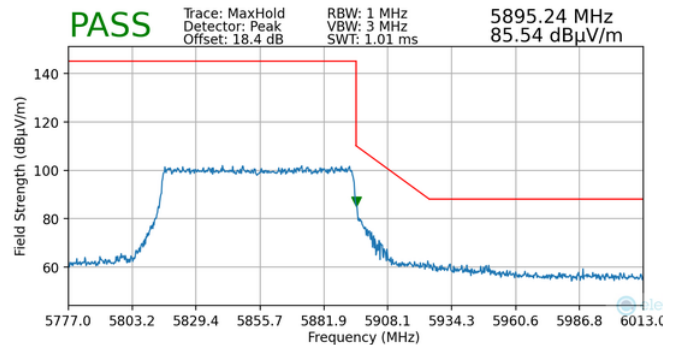


Plot 7-182. Radiated Lower Band Edge Plot MIMO (Peak - UNII Band 4 - 996 Tones)

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



Plot 7-183. Radiated Upper Band Edge Plot MIMO (Average - UNII Band 4 - 996 Tones)

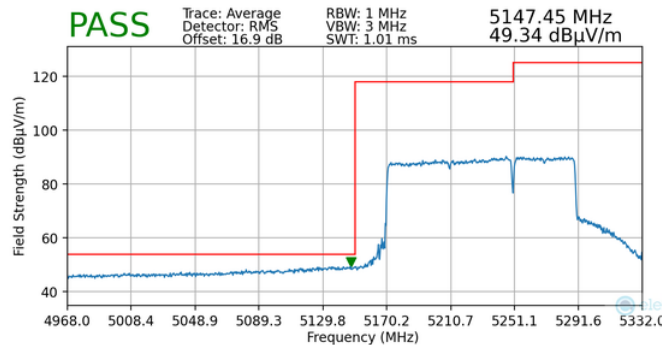


Plot 7-184. Radiated Upper Band Edge Plot MIMO (Peak - UNII Band 4 - 996 Tones)

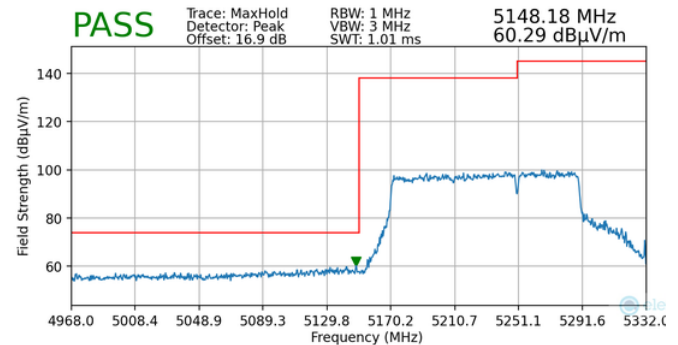
FCC ID: A3LSMS948U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-19-R1.A3L	Test Dates: 9/2/2025 - 10/14/2025	EUT Type: Portable Handset	Page 135 of 142

7.6.10 MIMO Radiated Band Edge Measurements (160MHz BW – MRU – 996+484T)

Worst Case Mode:	802.11be
Worst Case Transfer Rate:	MCS0
RU Index:	1095
Distance of Measurements:	3 Meters
Operating Frequency:	5250MHz
Channel:	50

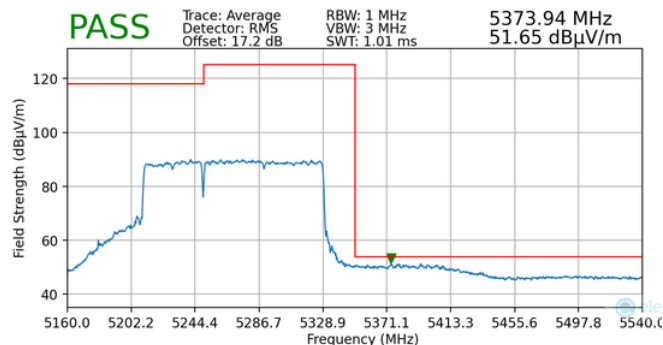


Plot 7-185. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 996+484 Tones)

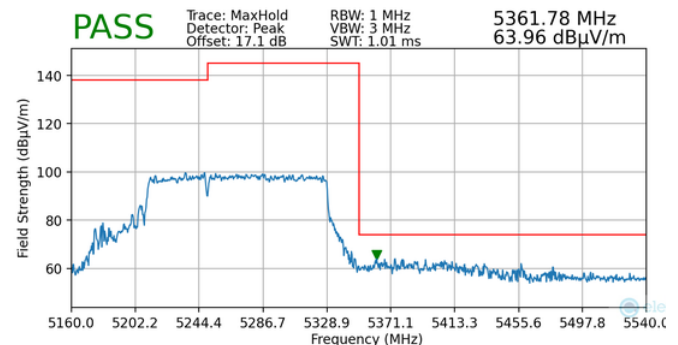


Plot 7-186. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1 – 996+484 Tones)

Worst Case Mode:	802.11be
Worst Case Transfer Rate:	MCS0
RU Index:	94
Distance of Measurements:	3 Meters
Operating Frequency:	5250MHz
Channel:	50



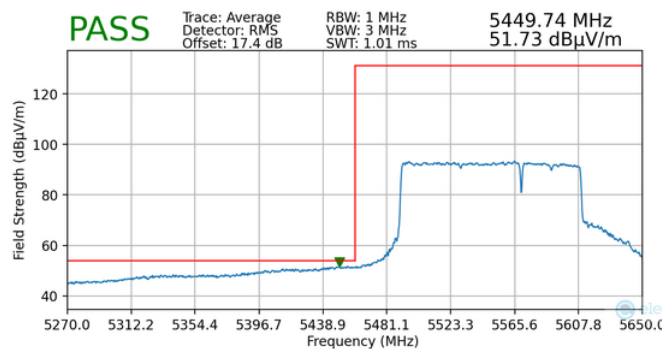
Plot 7-187. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A – 996+484 Tones)



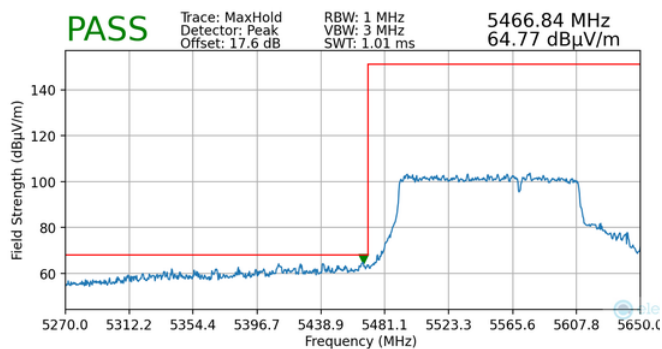
Plot 7-188. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 996+484 Tones)

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Worst Case Mode: 802.11be
 Worst Case Transfer Rate: MCS0
 RU Index: 1094
 Distance of Measurements: 3 Meters
 Operating Frequency: 5570MHz
 Channel: 114



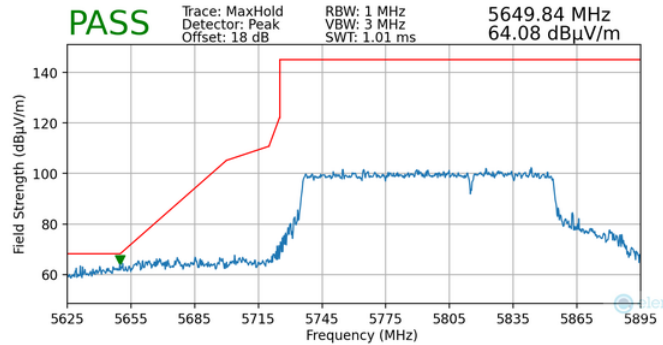
**Plot 7-189. Radiated Lower Band Edge Plot MIMO
(Average – UNII Band 2C – 996+484 Tones)**



**Plot 7-190. Radiated Lower Band Edge Plot MIMO
(Peak – UNII Band 2C – 996+484 Tones)**

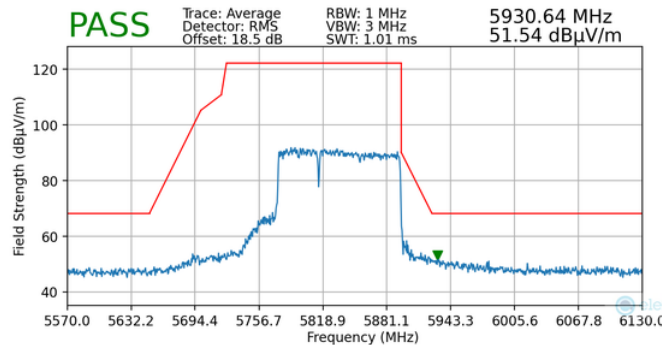
FCC ID: A3LSMS948U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-19-R1.A3L	Test Dates: 9/2/2025 - 10/14/2025	EUT Type: Portable Handset	Page 137 of 142

Worst Case Mode: 802.11be
 Worst Case Transfer Rate: MCS0
 RU Index: 1094
 Distance of Measurements: 3 Meters
 Operating Frequency: 5815MHz
 Channel: 163

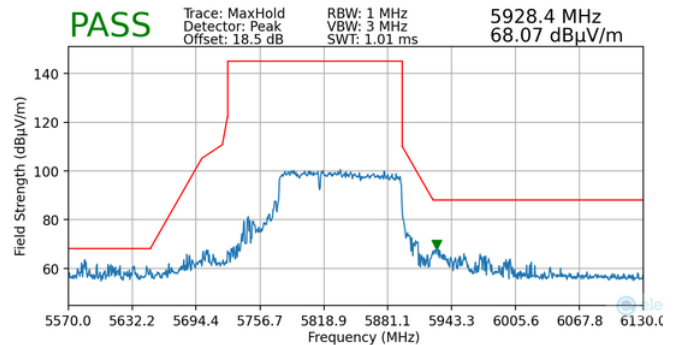


Plot 7-191. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 4 – 996+484 Tones)

Worst Case Mode: 802.11be
 Worst Case Transfer Rate: MCS0
 RU Index: 95
 Distance of Measurements: 3 Meters
 Operating Frequency: 5815MHz
 Channel: 163



Plot 7-192. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 4 – 996+484 Tones)

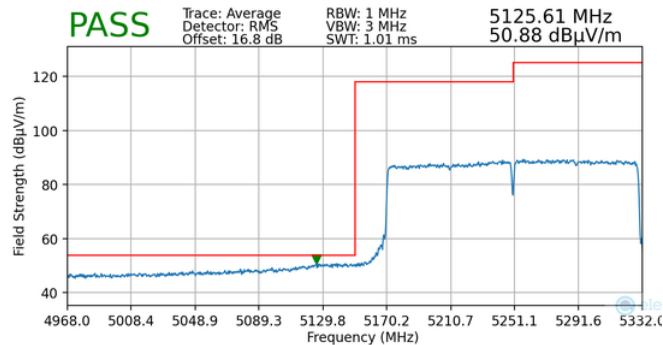


Plot 7-193. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 4 – 996+484 Tones)

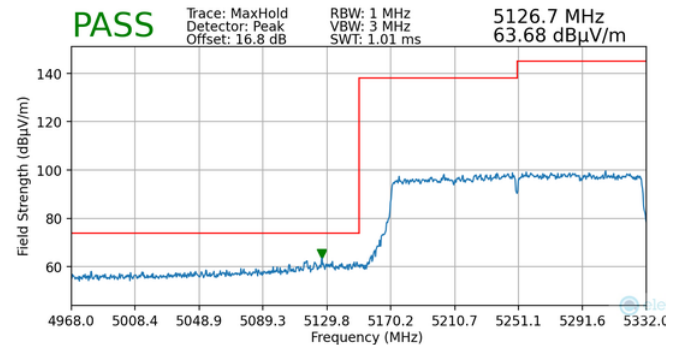
FCC ID: A3LSMS948U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-19-R1.A3L	Test Dates: 9/2/2025 - 10/14/2025	EUT Type: Portable Handset	Page 138 of 142

7.6.11 MIMO Radiated Band Edge Measurements (160MHz BW – Full Tone – 2x996T)

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

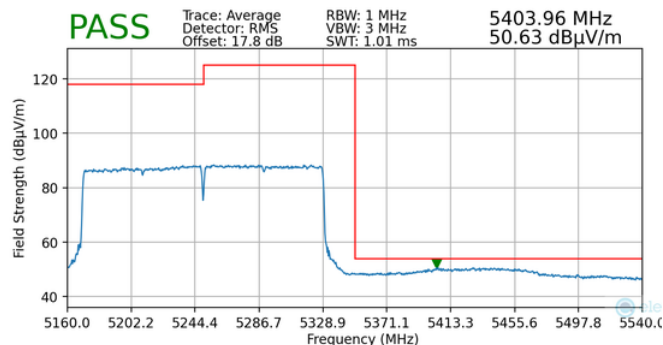


Plot 7-194. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 2x996 Tones)

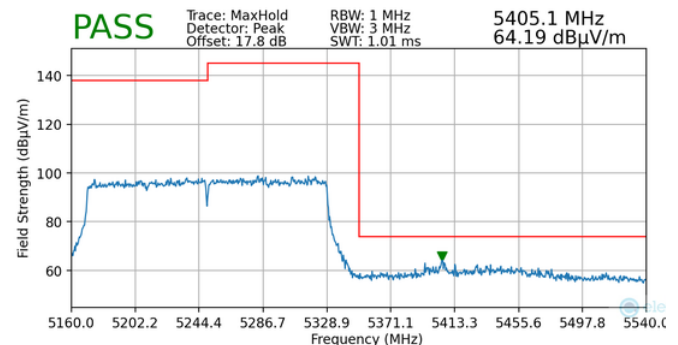


Plot 7-195. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1 – 2x996 Tones)

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



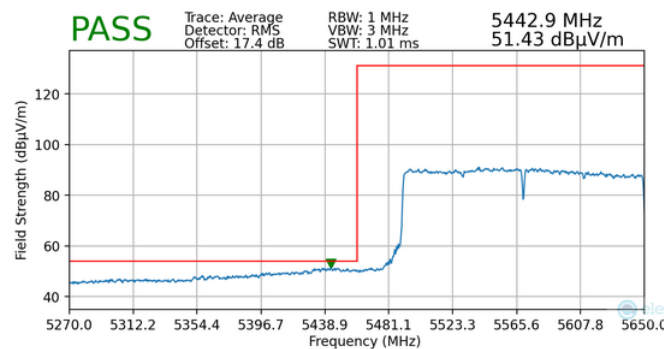
Plot 7-196. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A – 2x996 Tones)



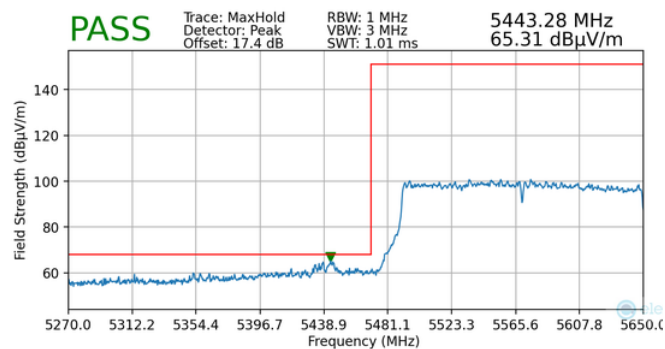
Plot 7-197. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 2x996 Tones)

FCC ID: A3LSMS948U	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



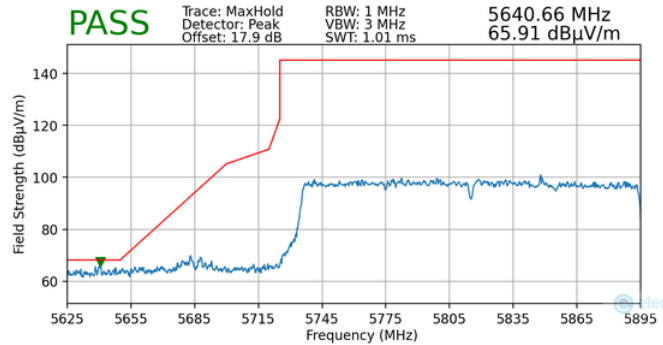
**Plot 7-198. Radiated Lower Band Edge Plot MIMO
(Average – UNII Band 2C – 2x996 Tones)**



**Plot 7-199. Radiated Lower Band Edge Plot MIMO
(Peak – UNII Band 2C – 2x996 Tones)**

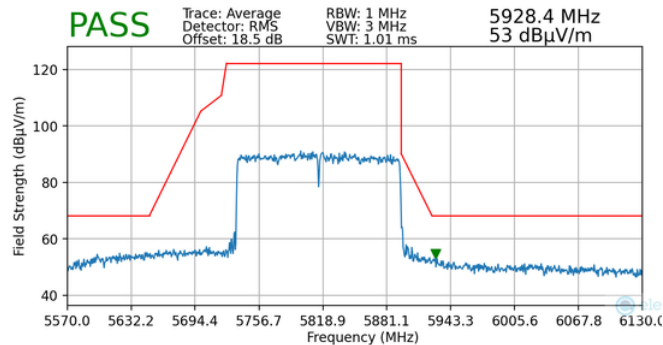
FCC ID: A3LSMS948U	MEASUREMENT REPORT		Approved by: Technical Manager
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Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS0
 RU Index: 68
 Distance of Measurements: 3 Meters
 Operating Frequency: 5815MHz
 Channel: 163

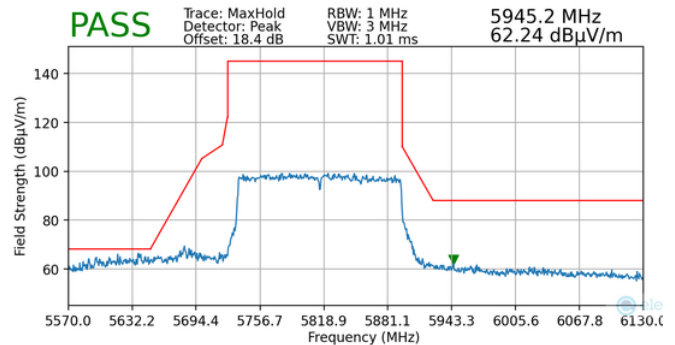


**Plot 7-200. Radiated Lower Band Edge Plot MIMO
(Peak – UNII Band 4 – 2x996 Tones)**

Worst Case Mode: 802.11be
 Worst Case Transfer Rate: MCS0
 RU Index: 68
 Distance of Measurements: 3 Meters
 Operating Frequency: 5815MHz
 Channel: 163



**Plot 7-201. Radiated Upper Band Edge Plot MIMO
(Average – UNII Band 4 – 2x996 Tones)**



**Plot 7-202. Radiated Upper Band Edge Plot MIMO
(Peak – UNII Band 4 – 2x996 Tones)**

FCC ID: A3LSMS948U	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 Handset FCC ID: A3LSMS948U** is in compliance with FCC Part Subpart E (15.407) of the FCC rules.

- END OF TEST REPORT -

FCC ID: A3LSMS948U	MEASUREMENT REPORT		Approved by: Technical Manager
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