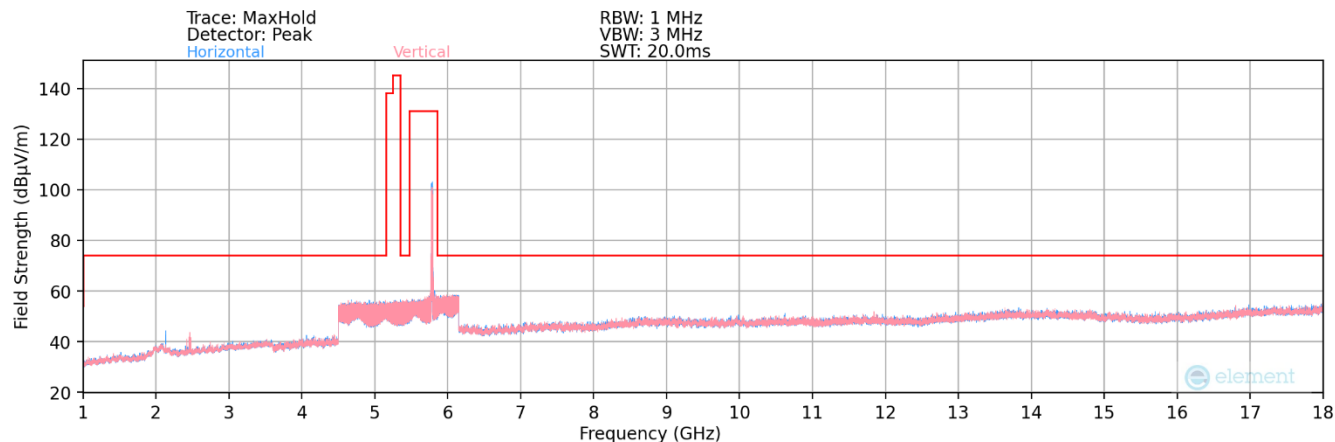
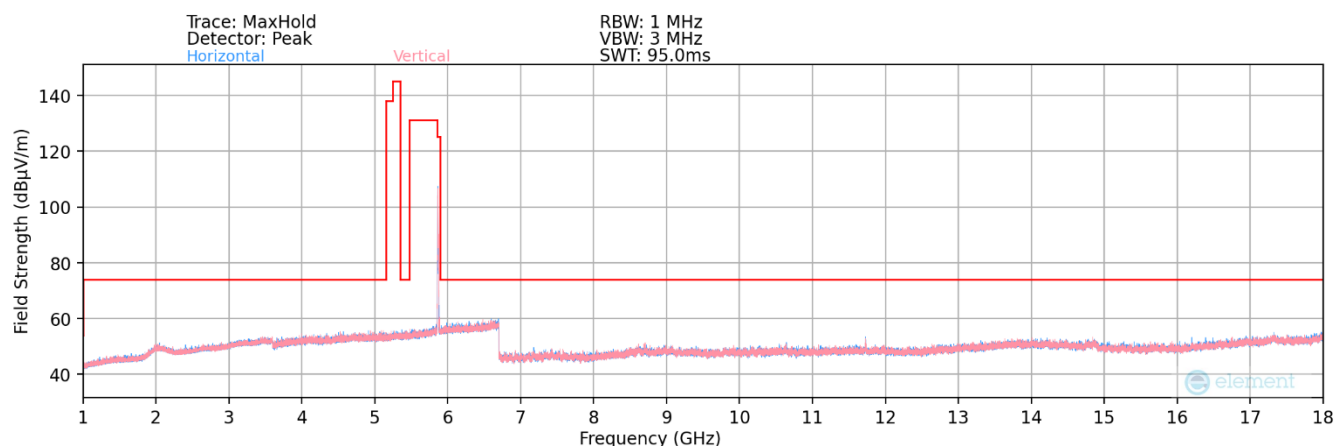
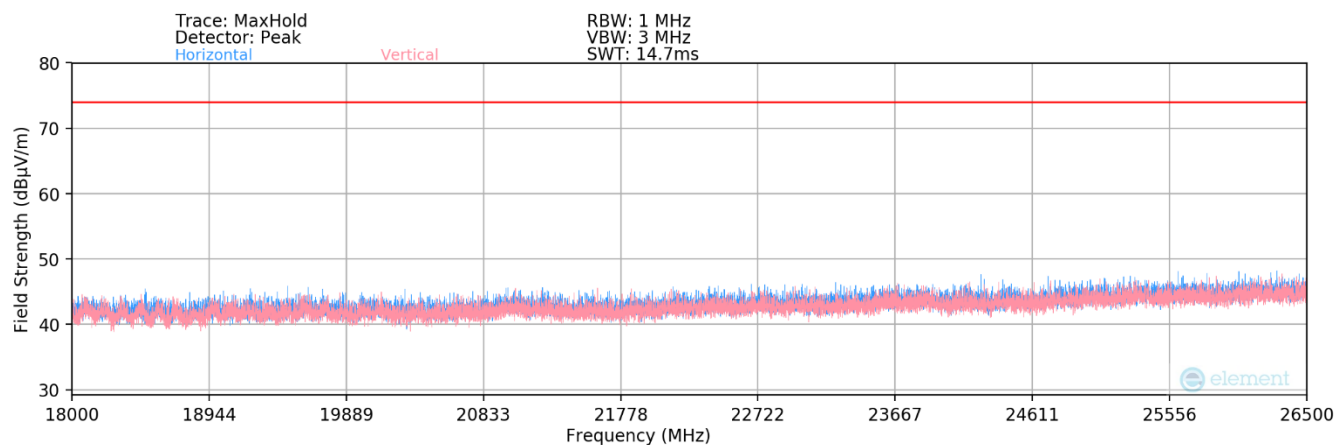




Plot 7-100. Radiated Spurious Plot above 1GHz MIMO (802.11ax – UNII 3 Ch. 157)

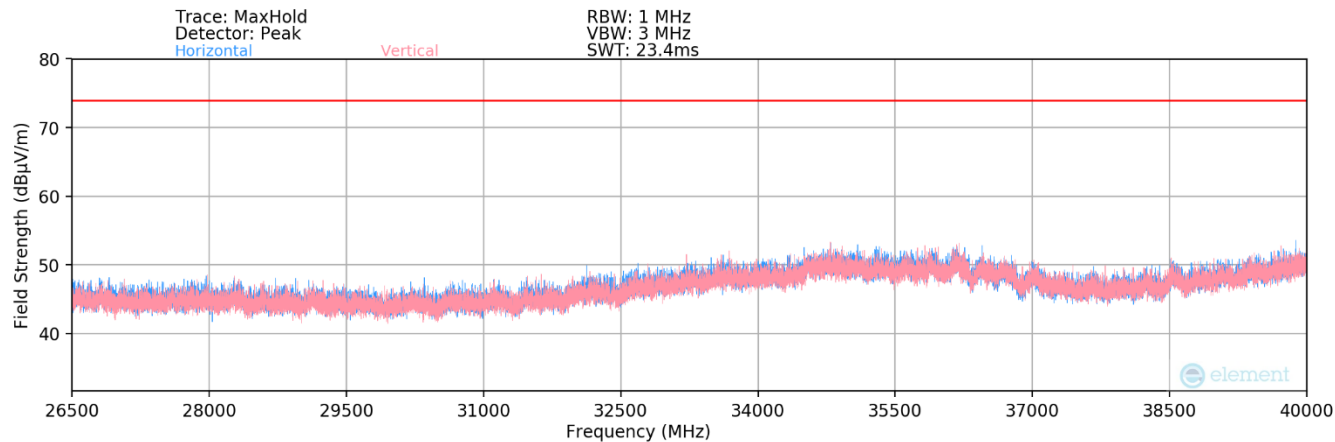


Plot 7-101. Radiated Spurious Plot above 1GHz MIMO (802.11ax – UNII 4 Ch. 173)



Plot 7-102. Radiated Spurious Plot 18GHz - 26.5GHz (802.11ax)

FCC ID: A3LSMA576U IC: 649E-SMA576W	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-17-R1.A3L	Test Dates: 10/29/2025-12/18/2025	EUT Type: Portable Handset	Page 90 of 113



Plot 7-103. Radiated Spurious Plot 26.5GHz - 40GHz (802.11ax)

FCC ID: A3LSMA576U IC: 649E-SMA576W		MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-17-R1.A3L	Test Dates: 10/29/2025-12/18/2025	EUT Type: Portable Handset		Page 91 of 113

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]
802.11ax	MIMO	1	36	5180	4		10360.00	Peak	V	234	331	-62.72	12.04	0.00	56.32	68.20	-11.88
						*	15540.00	Average	V	-	-	-81.57	14.08	0.00	39.51	53.98	-14.47
						*	15540.00	Peak	V	-	-	-69.97	14.08	0.00	51.11	73.98	-22.87
						*	20720.00	Average	V	-	-	-67.04	2.48	-9.54	32.91	53.98	-21.07
						*	20720.00	Peak	V	-	-	-56.25	2.48	-9.54	43.69	73.98	-30.28
							25900.00	Peak	V	-	-	-55.70	4.78	-9.54	46.55	68.20	-21.65
			40	5200	4		10400.00	Peak	V	139	338	-62.67	12.45	0.00	56.78	68.20	-11.42
						*	15600.00	Average	V	-	-	-82.53	14.12	0.00	38.59	53.98	-15.39
						*	15600.00	Peak	V	-	-	-69.94	14.12	0.00	51.18	73.98	-22.80
						*	20800.00	Average	V	-	-	-66.97	2.52	-9.54	33.01	53.98	-20.97
						*	20800.00	Peak	V	-	-	-55.63	2.52	-9.54	44.35	73.98	-29.63
							26000.00	Peak	V	-	-	-56.46	4.78	-9.54	45.79	68.20	-22.41
			48	5240	4		10480.00	Peak	V	140	336	-64.06	13.04	0.00	55.98	68.20	-12.22
						*	15720.00	Average	V	-	-	-81.77	14.52	0.00	39.75	53.98	-14.23
						*	15720.00	Peak	V	-	-	-68.74	14.52	0.00	52.78	73.98	-21.20
						*	20960.00	Average	V	-	-	-67.54	2.84	-9.54	32.75	53.98	-21.23
						*	20960.00	Peak	V	-	-	-56.75	2.84	-9.54	43.55	73.98	-30.43
							26200.00	Peak	V	-	-	-56.25	4.91	-9.54	46.13	68.20	-22.07

Table 7-29. 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]
802.11ax	MIMO	2A	52	5260	4		10520.00	Peak	V	145	334	-63.59	13.01	0.00	56.42	68.20	-11.78
						*	15780.00	Average	V	-	-	-82.12	14.41	0.00	39.29	53.98	-14.69
						*	15780.00	Peak	V	-	-	-70.21	14.41	0.00	51.20	73.98	-22.78
						*	21040.00	Average	V	-	-	-66.58	2.92	-9.54	33.81	53.98	-20.17
						*	21040.00	Peak	V	-	-	-60.48	2.92	-9.54	39.91	73.98	-34.07
							26300.00	Peak	V	-	-	-56.83	4.91	-9.54	45.54	68.20	-22.66
			56	5280	4		10560.00	Peak	V	139	338	-63.44	12.82	0.00	56.38	68.20	-11.82
						*	15840.00	Average	V	-	-	-81.21	14.10	0.00	39.89	53.98	-14.09
						*	15840.00	Peak	V	-	-	-69.23	14.10	0.00	51.87	73.98	-22.11
						*	21120.00	Average	V	-	-	-66.46	2.87	-9.54	33.86	53.98	-20.11
						*	21120.00	Peak	V	-	-	-57.75	2.87	-9.54	42.58	73.98	-31.40
							26400.00	Peak	V	-	-	-56.36	4.85	-9.54	45.96	68.20	-22.24
			64	5320	4	*	10640.00	Average	V	131	335	-73.88	12.81	0.00	45.93	53.98	-8.05
						*	10640.00	Peak	V	131	335	-62.38	12.81	0.00	57.43	73.98	-16.55
						*	15960.00	Average	V	-	-	-82.56	15.15	0.00	39.59	53.98	-14.39
						*	15960.00	Peak	V	-	-	-70.51	15.15	0.00	51.64	73.98	-22.34
						*	21280.00	Average	V	-	-	-67.31	2.96	-9.54	33.11	53.98	-20.87
						*	21280.00	Peak	V	-	-	-56.77	2.96	-9.54	43.65	73.98	-30.33
							26600.00	Peak	V	-	-	-57.25	5.05	-9.54	45.26	68.20	-22.94

Table 7-30. Radiated Measurements MIMO (26 Tones)

FCC ID: A3LSMA576U IC: 649E-SMA576W	MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2510280090-17-R1.A3L	Test Dates: 10/29/2025-12/18/2025	EUT Type: Portable Handset		Page 92 of 113

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 [dBuV/m]	Limit [dBuV/m]	Margin [dB]
802.11ax	MIMO	2C	100	5500	4	*	11000.00	Average	V	126	338	-74.33	12.47	0.00	45.14	53.98	-8.84
						*	11000.00	Peak	V	126	338	-62.04	12.47	0.00	57.43	73.98	-16.55
							16500.00	Peak	V	-	-	-69.88	15.62	-9.54	43.20	68.20	-25.00
							22000.00	Peak	V	-	-	-56.54	3.01	-9.54	43.93	68.20	-24.27
							27500.00	Peak	V	-	-	-55.27	5.00	-9.54	47.19	68.20	-21.01
			120	5600	4	*	11200.00	Average	V	143	39	-76.97	12.60	0.00	42.63	53.98	-11.35
						*	11200.00	Peak	V	143	39	-65.13	12.60	0.00	54.47	73.98	-19.51
							16800.00	Peak	V	-	-	-69.91	16.11	0.00	53.20	68.20	-15.00
						*	22400.00	Average	V	-	-	-66.42	3.44	-9.54	34.48	53.98	-19.50
						*	22400.00	Peak	V	-	-	-56.79	3.44	-9.54	44.11	73.98	-29.87
			144	5720	4		28000.00	Peak	V	-	-	-56.25	5.31	-9.54	46.52	68.20	-21.68
						*	11440.00	Average	V	127	6	-77.83	13.48	0.00	42.65	53.98	-11.33
						*	11440.00	Peak	V	127	6	-66.33	13.48	0.00	54.15	73.98	-19.83
							17160.00	Peak	V	-	-	-70.09	16.71	0.00	53.62	68.20	-14.58
						*	22880.00	Average	V	-	-	-66.46	3.60	-9.54	34.60	53.98	-19.38
						*	22880.00	Peak	V	-	-	-57.49	3.60	-9.54	43.58	73.98	-30.40
							28600.00	Peak	V	-	-	-56.45	5.30	-9.54	46.32	68.20	-21.88

Table 7-31. 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 [dBuV/m]	Limit [dBuV/m]	Margin [dB]
802.11ax	MIMO	3	149	5745	4	*	11490.00	Average	V	133	6	-76.68	13.01	0.00	43.33	53.98	-10.65
						*	11490.00	Peak	V	133	6	-64.89	13.01	0.00	55.12	73.98	-18.86
							17235.00	Peak	V	-	-	-69.33	16.91	0.00	54.58	68.20	-13.62
						*	22980.00	Average	V	-	-	-67.55	3.63	-9.54	33.54	53.98	-20.44
						*	22980.00	Peak	V	-	-	-56.61	3.63	-9.54	44.48	73.98	-29.50
			157	5785	4		28725.00	Peak	V	-	-	-56.67	5.24	-9.54	46.03	68.20	-22.17
						*	11570.00	Average	V	122	1	-75.00	13.03	0.00	45.03	53.98	-8.95
						*	11570.00	Peak	V	122	1	-64.11	13.03	0.00	55.92	73.98	-18.06
							17355.00	Peak	V	-	-	-70.79	17.67	0.00	53.88	68.20	-14.32
							23140.00	Peak	V	-	-	-57.06	3.75	-9.54	44.15	68.20	-24.05
			165	5825	4		28925.00	Peak	V	-	-	-57.10	5.12	-9.54	45.48	68.20	-22.72
						*	11650.00	Average	V	190	0	-76.46	13.41	0.00	43.95	53.98	-10.03
						*	11650.00	Peak	V	190	0	-65.69	13.41	0.00	54.72	73.98	-19.26
							17475.00	Peak	V	-	-	-70.23	16.84	0.00	53.61	68.20	-14.59
							23300.00	Peak	V	-	-	-56.85	3.73	-9.54	44.34	68.20	-23.86
							29125.00	Peak	V	-	-	-57.27	5.23	-9.54	45.42	68.20	-22.78

Table 7-32. Radiated Measurements MIMO (26 Tones)

FCC ID: A3LSMA576U IC: 649E-SMA576W	MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2510280090-17-R1.A3L	Test Dates: 10/29/2025-12/18/2025	EUT Type: Portable Handset		Page 93 of 113

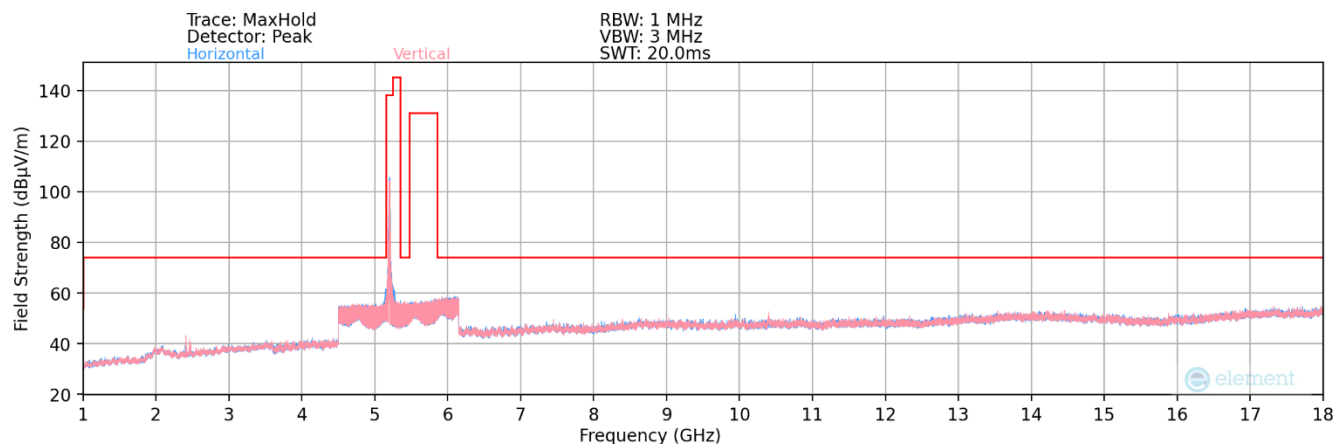
MIMO Radiated Spurious Emission Measurements (26 Tones) – UNII 4

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 [dBuV/m]	Limit [dBuV/m]	Margin [dB]
802.11ax	MIMO	4	169	5845	4	*	11690.00	Average	V	128	5	-75.50	13.27	0.00	44.77	53.98	-9.21
						*	11690.00	Peak	V	128	5	-63.31	13.27	0.00	56.96	73.98	-17.02
							17535.00	Peak	V	-	-	-69.57	17.37	0.00	54.80	68.20	-13.40
							23380.00	Peak	V	-	-	-55.48	3.80	-9.54	45.78	68.20	-22.42
							29225.00	Peak	V	-	-	-56.11	5.22	-9.54	46.57	68.20	-21.63
			173	5865	4	*	11730.00	Average	V	248	1	-77.16	14.39	0.00	44.23	53.98	-9.75
						*	11730.00	Peak	V	248	1	-66.31	14.39	0.00	55.08	73.98	-18.90
							17595.00	Peak	V	-	-	-69.51	17.00	0.00	54.49	68.20	-13.71
							23460.00	Peak	V	-	-	-56.07	3.86	-9.54	45.25	68.20	-22.95
							29325.00	Peak	V	-	-	-56.57	5.14	-9.54	46.04	68.20	-22.16
			177	5885	4	*	11770.00	Average	V	141	5	-78.50	13.93	0.00	42.43	53.98	-11.55
						*	11770.00	Peak	V	141	5	-66.91	13.93	0.00	54.02	73.98	-19.96
							17655.00	Peak	V	-	-	-70.07	16.89	0.00	53.82	68.20	-14.38
							23540.00	Peak	V	-	-	-56.05	4.01	-9.54	45.42	68.20	-22.78
							29425.00	Peak	V	-	-	-56.84	5.11	-9.54	45.73	68.20	-22.47

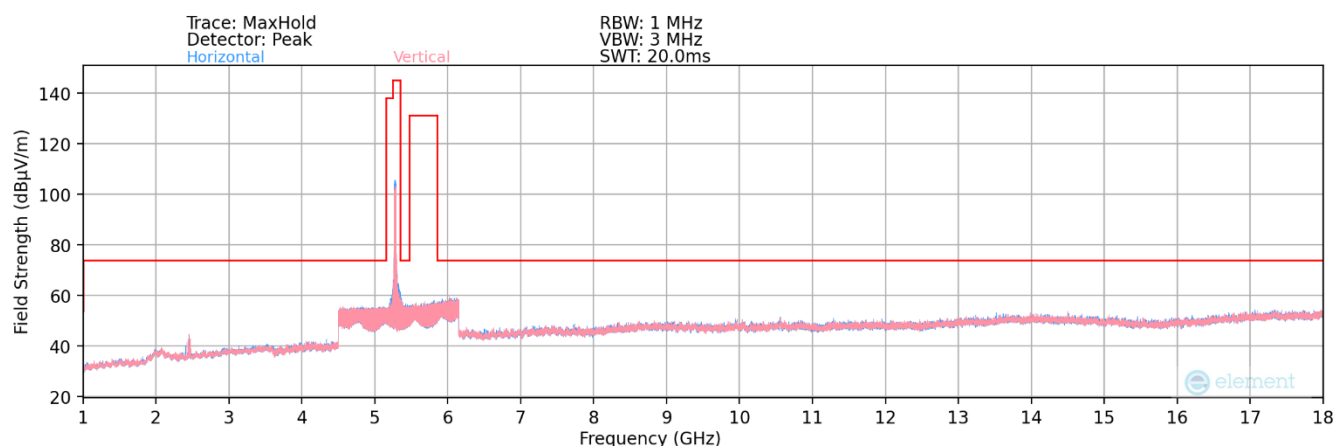
Table 7-33. Radiated Measurements MIMO (26 Tones)

FCC ID: A3LSMA576U IC: 649E-SMA576W	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-17-R1.A3L	Test Dates: 10/29/2025-12/18/2025	EUT Type: Portable Handset	Page 94 of 113

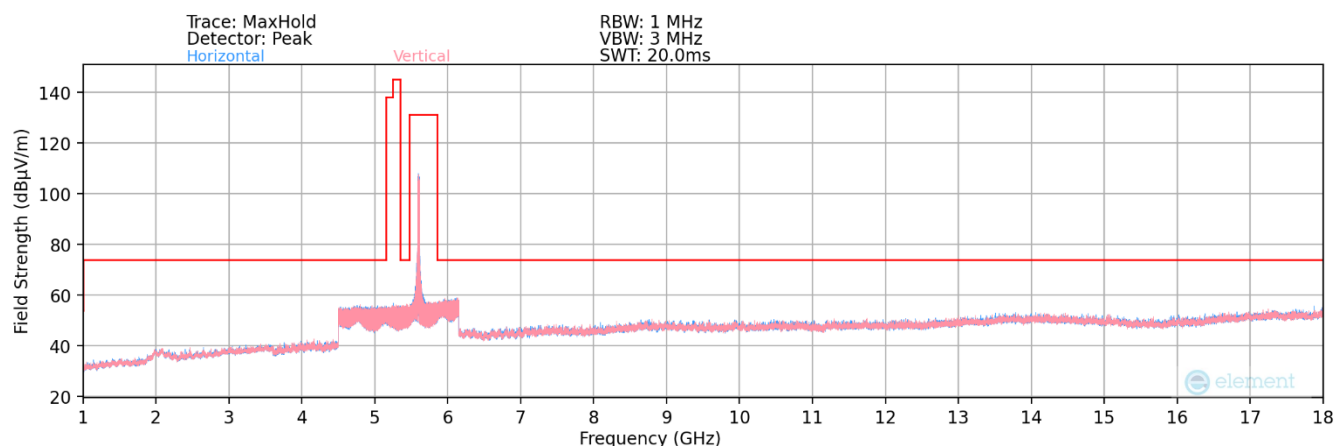
7.6.2 MIMO Radiated Spurious Emission Measurements (242 Tones)



Plot 7-104. Radiated Spurious Plot above 1GHz MIMO (802.11ax – UNII 1 Ch. 40)

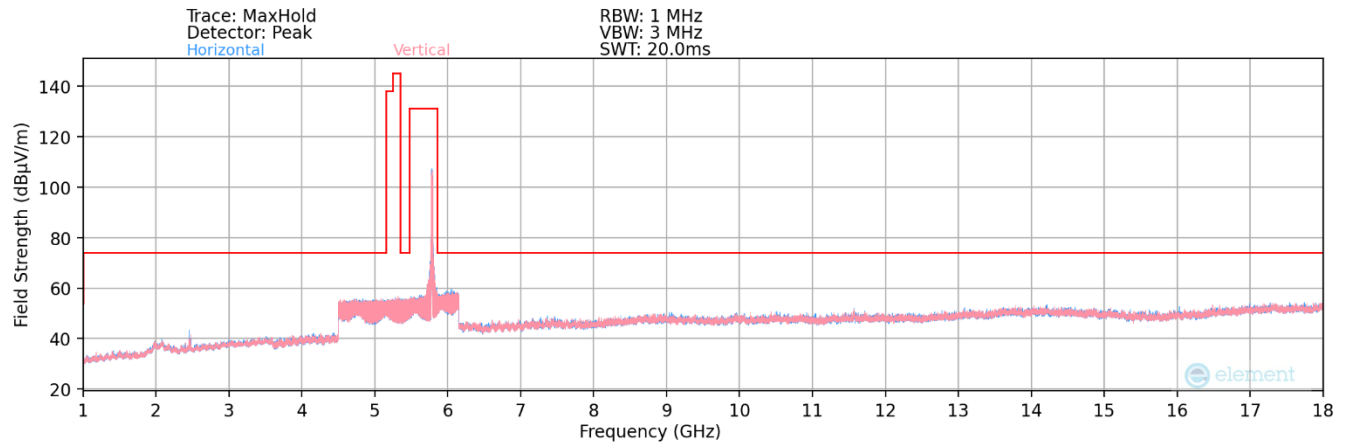


Plot 7-105. Radiated Spurious Plot above 1GHz MIMO (802.11ax – UNII 2A Ch. 56)

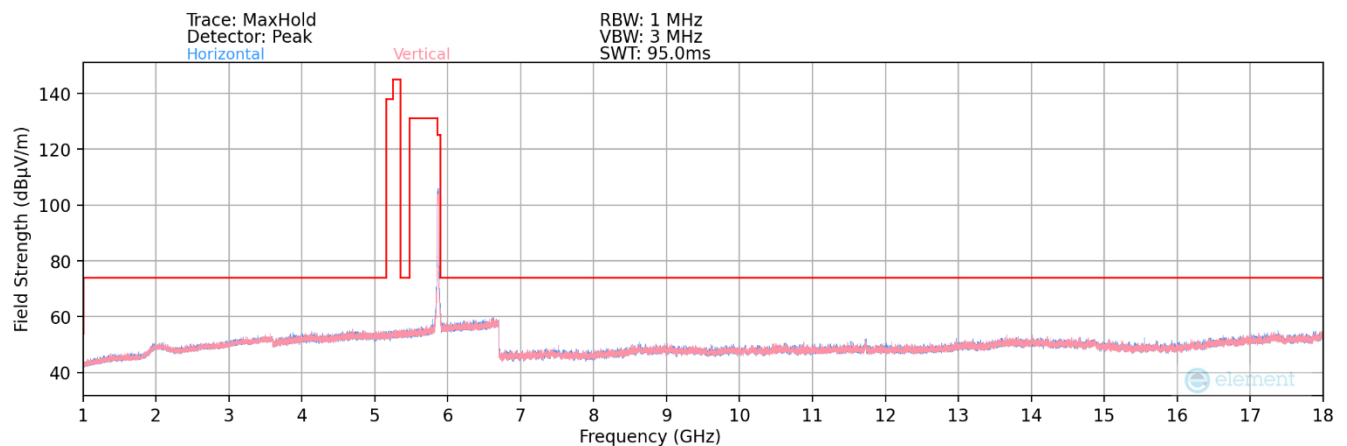


Plot 7-106. Radiated Spurious Plot above 1GHz MIMO (802.11ax – UNII 2C Ch. 120)

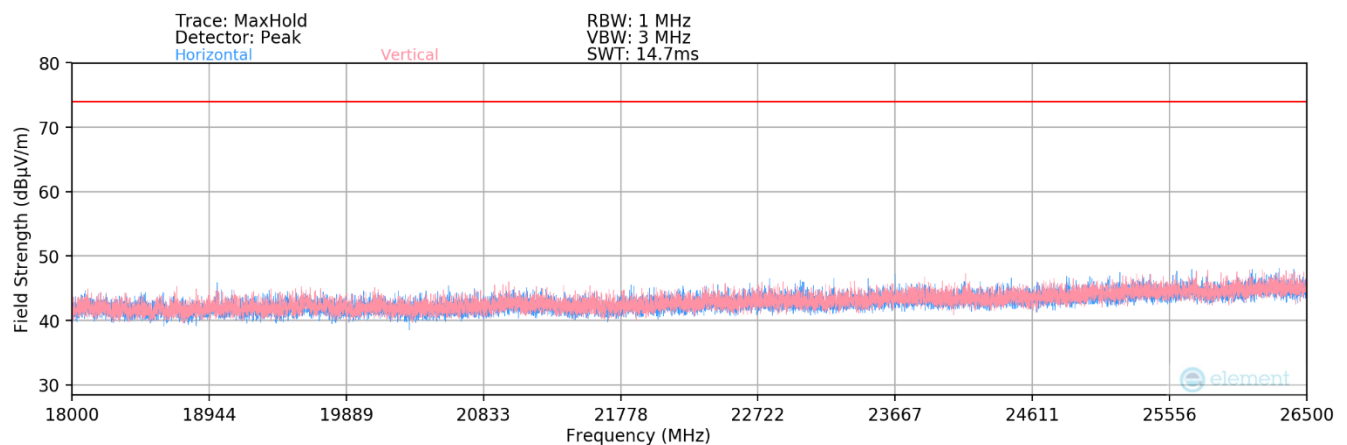
FCC ID: A3LSMA576U IC: 649E-SMA576W	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-17-R1.A3L	Test Dates: 10/29/2025-12/18/2025	EUT Type: Portable Handset	Page 95 of 113



Plot 7-107. Radiated Spurious Plot above 1GHz MIMO (802.11ax – UNII 3 Ch. 157)

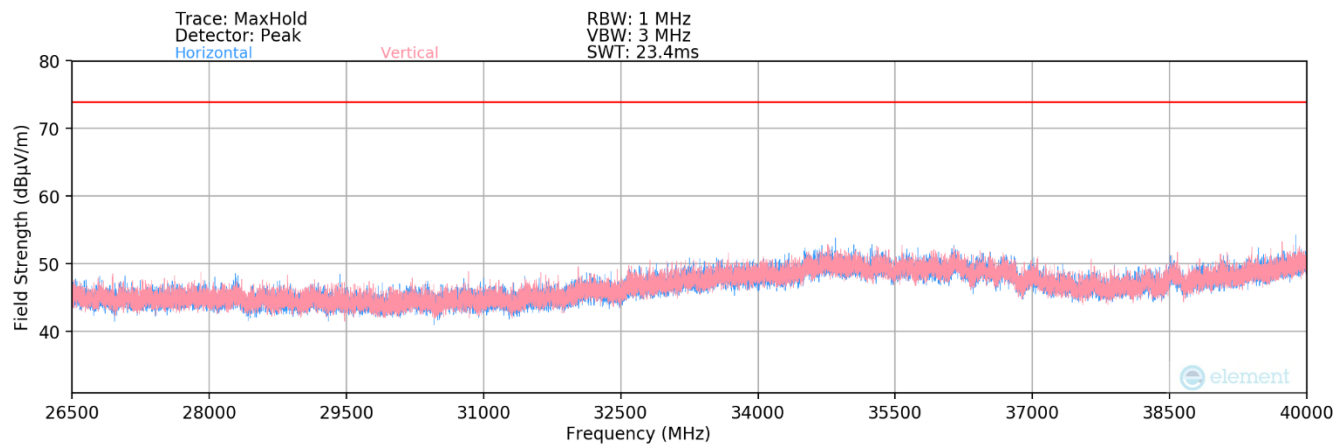


Plot 7-108. Radiated Spurious Plot above 1GHz MIMO (802.11ax – UNII 4 Ch. 173)



Plot 7-109. Radiated Spurious Plot 18GHz - 26.5GHz (802.11ax)

FCC ID: A3LSMA576U IC: 649E-SMA576W	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-17-R1.A3L	Test Dates: 10/29/2025-12/18/2025	EUT Type: Portable Handset	Page 96 of 113



Plot 7-110. Radiated Spurious Plot 26.5GHz - 40GHz (802.11ax)

FCC ID: A3LSMA576U IC: 649E-SMA576W		MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-17-R1.A3L	Test Dates: 10/29/2025-12/18/2025	EUT Type: Portable Handset		Page 97 of 113

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]
802.11ax	MIMO	1	36	5180	61		10360.00	Peak	V	156	332	-63.96	12.04	0.00	55.08	68.20	-13.12
						*	15540.00	Average	V	-	-	-81.00	14.08	0.00	40.08	53.98	-13.90
						*	15540.00	Peak	V	-	-	-69.05	14.08	0.00	52.03	73.98	-21.95
						*	20720.00	Average	V	-	-	-66.67	2.48	-9.54	33.28	53.98	-20.70
						*	20720.00	Peak	V	-	-	-60.37	2.48	-9.54	39.57	73.98	-34.41
			40	5200	61		25900.00	Peak	V	-	-	-56.77	4.78	-9.54	45.48	68.20	-22.72
							10400.00	Peak	V	165	333	-63.71	12.45	0.00	55.74	68.20	-12.46
						*	15600.00	Average	V	-	-	-81.58	14.12	0.00	39.54	53.98	-14.44
						*	15600.00	Peak	V	-	-	-69.56	14.12	0.00	51.56	73.98	-22.42
						*	20800.00	Average	V	-	-	-65.99	2.52	-9.54	33.99	53.98	-19.99
						*	20800.00	Peak	V	-	-	-58.16	2.52	-9.54	41.82	73.98	-32.16
			48	5240	61		26000.00	Peak	V	-	-	-56.43	4.78	-9.54	45.81	68.20	-22.39
							10480.00	Peak	V	160	334	-63.89	13.04	0.00	56.15	68.20	-12.05
						*	15720.00	Average	V	-	-	-81.92	14.52	0.00	39.60	53.98	-14.38
						*	15720.00	Peak	V	-	-	-69.18	14.52	0.00	52.34	73.98	-21.64
						*	20960.00	Average	V	-	-	-69.29	2.84	-9.54	31.01	53.98	-22.97
						*	20960.00	Peak	V	-	-	-58.48	2.84	-9.54	41.82	73.98	-32.16
							26200.00	Peak	V	-	-	-61.97	4.91	-9.54	40.40	68.20	-27.80

Table 7-34. 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]
802.11ax	MIMO	2A	52	5260	61		10520.00	Peak	V	125	10	-61.88	8.04	0.00	53.16	68.20	-15.04
						*	15780.00	Average	V	-	-	-77.47	8.85	0.00	38.38	53.98	-15.60
						*	15780.00	Peak	V	-	-	-65.63	8.85	0.00	50.22	73.98	-23.76
						*	21040.00	Average	V	-	-	-75.98	2.92	-9.54	24.41	53.98	-29.57
						*	21040.00	Peak	V	-	-	-64.91	2.92	-9.54	35.48	73.98	-38.50
			56	5280	61		26300.00	Peak	V	-	-	-69.36	4.91	-9.54	33.01	68.20	-35.19
							10560.00	Peak	V	117	14	-61.22	7.52	0.00	53.30	68.20	-14.90
						*	15840.00	Average	V	-	-	-77.67	8.96	0.00	38.29	53.98	-15.69
						*	15840.00	Peak	V	-	-	-65.43	8.96	0.00	50.53	73.98	-23.45
						*	21120.00	Average	V	-	-	-79.71	2.87	-9.54	20.62	53.98	-33.36
						*	21120.00	Peak	V	-	-	-72.00	2.87	-9.54	28.33	73.98	-45.65
			64	5320	61		26400.00	Peak	V	-	-	-71.05	4.85	-9.54	31.26	68.20	-36.94
						*	10640.00	Average	V	113	5	-73.98	7.65	0.00	40.67	53.98	-13.31
						*	10640.00	Peak	V	113	5	-61.12	7.65	0.00	53.53	73.98	-20.45
						*	15960.00	Average	V	113	46	-71.42	8.91	0.00	44.49	53.98	-9.49
						*	15960.00	Peak	V	113	46	-55.74	8.91	0.00	60.17	73.98	-13.81
						*	21280.00	Average	V	-	-	-66.57	2.96	-9.54	33.85	53.98	-20.13
						*	21280.00	Peak	V	-	-	-57.32	2.96	-9.54	43.11	73.98	-30.87
							26600.00	Peak	V	-	-	-56.81	5.05	-9.54	45.70	68.20	-22.50

Table 7-35. Radiated Measurements MIMO (242 Tones)

FCC ID: A3LSMA576U IC: 649E-SMA576W	MEASUREMENT REPORT			Approved by: Technical Manager
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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]
802.11ax	MIMO	2C	100	5500	61	*	11000.00	Average	V	145	3	-74.90	8.27	0.00	40.37	53.98	-13.61
						*	11000.00	Peak	V	145	3	-62.33	8.27	0.00	52.94	73.98	-21.04
							16500.00	Peak	V	-	-	-65.85	9.57	-9.54	41.18	68.20	-27.02
							22000.00	Peak	V	-	-	-56.87	3.01	-9.54	43.60	68.20	-24.60
							27500.00	Peak	V	-	-	-55.51	5.00	-9.54	46.95	68.20	-21.25
			120	5600	61	*	11200.00	Average	V	135	78	-76.07	8.47	0.00	39.40	53.98	-14.58
						*	11200.00	Peak	V	135	78	-63.07	8.47	0.00	52.40	73.98	-21.58
							16800.00	Peak	V	-	-	-65.80	10.15	0.00	51.35	68.20	-16.85
						*	22400.00	Average	V	-	-	-66.59	3.44	-9.54	34.31	53.98	-19.67
						*	22400.00	Peak	V	-	-	-58.70	3.44	-9.54	42.20	73.98	-31.78
			144	5720	61		28000.00	Peak	V	-	-	-56.68	5.31	-9.54	46.09	68.20	-22.11
						*	11440.00	Average	V	380	41	-76.64	8.87	0.00	39.23	53.98	-14.75
						*	11440.00	Peak	V	380	41	-64.37	8.87	0.00	51.50	73.98	-22.48
							17160.00	Peak	V	138	20	-62.96	11.37	0.00	55.41	68.20	-12.79
						*	22880.00	Average	V	-	-	-66.61	3.60	-9.54	34.45	53.98	-19.53
						*	22880.00	Peak	V	-	-	-58.89	3.60	-9.54	42.18	73.98	-31.80
							28600.00	Peak	V	-	-	-56.69	5.30	-9.54	46.08	68.20	-22.12

Table 7-36. 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]
802.11ax	MIMO	3	149	5745	61	*	11490.00	Average	V	252	37	-75.90	8.68	0.00	39.78	53.98	-14.20
						*	11490.00	Peak	V	252	37	-63.17	8.68	0.00	52.51	73.98	-21.47
							17235.00	Peak	V	-	-	-65.28	11.54	0.00	53.26	68.20	-14.94
						*	22980.00	Average	V	-	-	-67.10	3.63	-9.54	33.98	53.98	-20.00
						*	22980.00	Peak	V	-	-	-59.46	3.63	-9.54	41.63	73.98	-32.35
			157	5785	61		28725.00	Peak	V	-	-	-56.56	5.24	-9.54	46.14	68.20	-22.06
						*	11570.00	Average	V	225	41	-75.01	8.86	0.00	40.85	53.98	-13.13
						*	11570.00	Peak	V	225	41	-61.77	8.86	0.00	54.09	73.98	-19.89
							17355.00	Peak	V	-	-	-65.48	12.31	0.00	53.83	68.20	-14.37
							23140.00	Peak	V	-	-	-56.46	3.75	-9.54	44.75	68.20	-23.45
			165	5825	61		28925.00	Peak	V	-	-	-57.24	5.12	-9.54	45.34	68.20	-22.86
						*	11650.00	Average	V	236	40	-75.38	9.02	0.00	40.64	53.98	-13.34
						*	11650.00	Peak	V	236	40	-62.61	9.02	0.00	53.41	73.98	-20.57
							17475.00	Peak	V	-	-	-65.86	13.45	0.00	54.59	68.20	-13.61
							23300.00	Peak	V	-	-	-56.64	3.73	-9.54	44.55	68.20	-23.65
							29125.00	Peak	V	-	-	-57.49	5.23	-9.54	45.20	68.20	-23.00

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

FCC ID: A3LSMA576U IC: 649E-SMA576W	MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2510280090-17-R1.A3L	Test Dates: 10/29/2025-12/18/2025	EUT Type: Portable Handset		Page 99 of 113

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

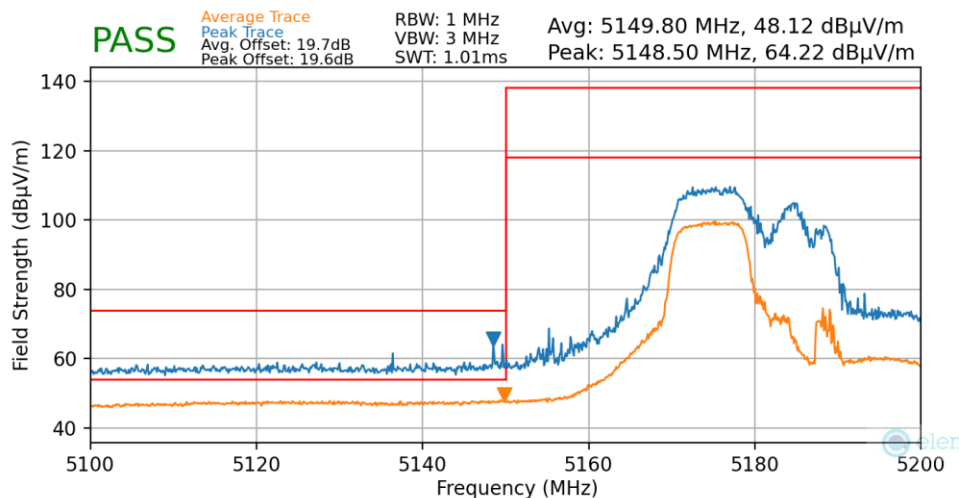
Mode	Antenna	UNII Band	Channel	Test Channel Freq. [MHz]	RU Index	Restricted	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
802.11ax	MIMO	4	169	5845	61	*	11690.00	Average	V	180	40	-76.00	9.35	0.00	40.35	53.98	-13.63
						*	11690.00	Peak	V	180	40	-62.55	9.35	0.00	53.80	73.98	-20.18
							17535.00	Peak	V	-	-	-66.19	14.13	0.00	54.94	68.20	-13.26
							23380.00	Peak	V	-	-	-56.27	3.80	-9.54	45.00	68.20	-23.20
							29225.00	Peak	V	-	-	-56.57	5.22	-9.54	46.11	68.20	-22.09
			173	5865	61	*	11730.00	Average	V	360	37	-75.73	9.85	0.00	41.12	53.98	-12.86
						*	11730.00	Peak	V	360	37	-62.35	9.85	0.00	54.50	73.98	-19.48
							17595.00	Peak	V	-	-	-66.72	14.67	0.00	54.95	68.20	-13.25
							23460.00	Peak	V	-	-	-56.29	3.86	-9.54	45.04	68.20	-23.16
							29325.00	Peak	V	-	-	-56.42	5.14	-9.54	46.18	68.20	-22.02
			177	5885	61	*	11770.00	Average	V	252	40	-75.28	9.95	0.00	41.67	53.98	-12.31
						*	11770.00	Peak	V	252	40	-61.87	9.95	0.00	55.08	73.98	-18.90
							17655.00	Peak	V	-	-	-66.19	14.96	0.00	55.77	68.20	-12.43
							23540.00	Peak	V	-	-	-56.49	4.01	-9.54	44.98	68.20	-23.22
							29425.00	Peak	V	-	-	-57.07	5.11	-9.54	45.50	68.20	-22.70

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

FCC ID: A3LSMA576U IC: 649E-SMA576W	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-17-R1.A3L	Test Dates: 10/29/2025-12/18/2025	EUT Type: Portable Handset	Page 100 of 113

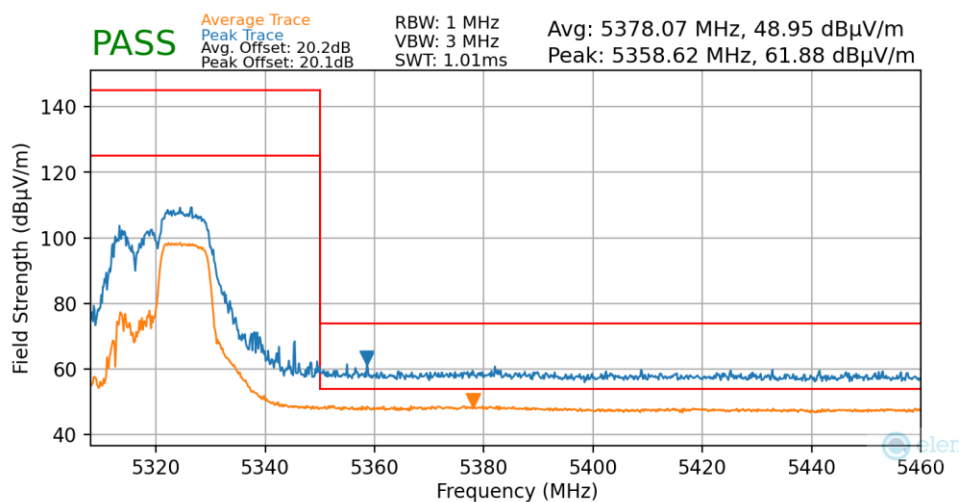
7.6.3 MIMO Radiated Band Edge Measurements (20MHz BW – Partial Tone – 106T)

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



Plot 7-111. Radiated Lower Band Edge Plot MIMO (Average & Peak – UNII Band 1 – 106 Tones)

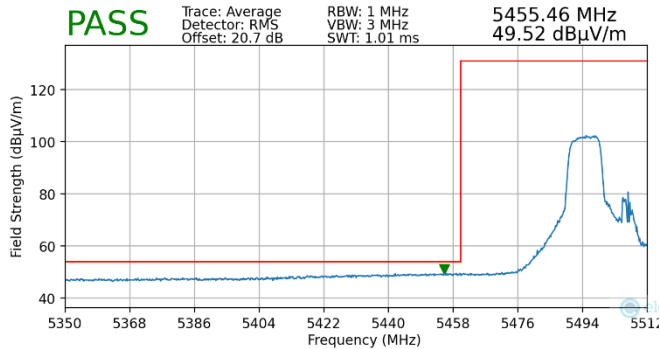
Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index:	54
Distance of Measurements:	3 Meters
Operating Frequency:	5320MHz
Channel:	64



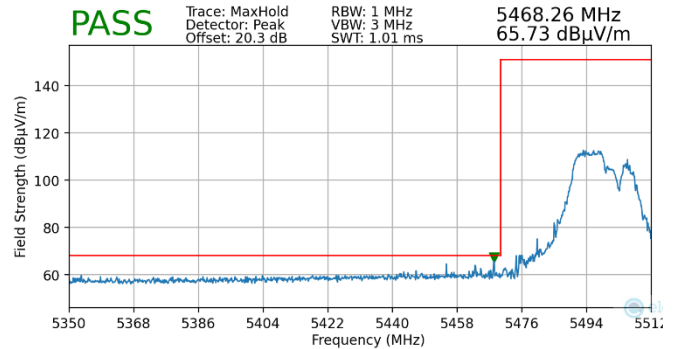
Plot 7-112. Radiated Upper Band Edge Plot MIMO (Average & Peak – UNII Band 2A – 106 Tones)

FCC ID: A3LSMA576U IC: 649E-SMA576W	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-17-R1.A3L	Test Dates: 10/29/2025-12/18/2025	EUT Type: Portable Handset	Page 101 of 113

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

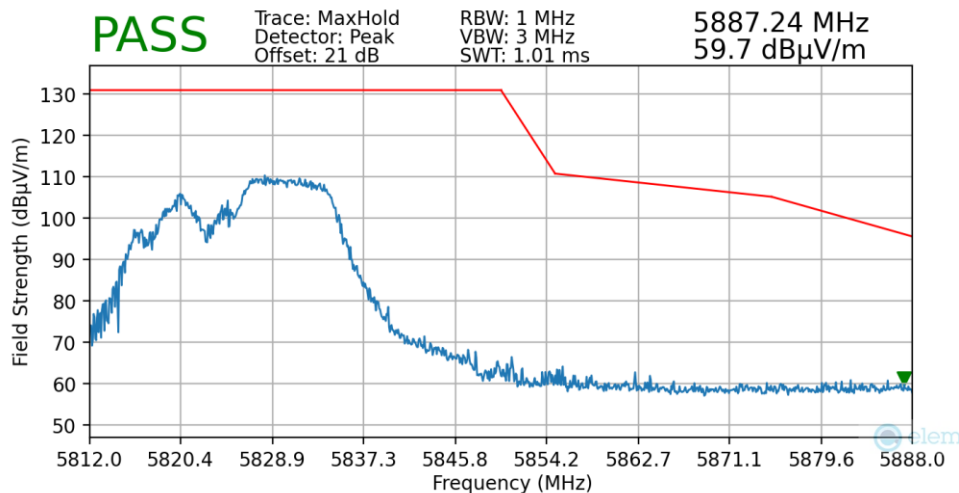


Plot 7-113. Radiated Lower Band Edge Plot MIMO (Average - UNII Band 2C)



Plot 7-114. Radiated Lower Band Edge Plot MIMO (Peak - UNII Band 2C)

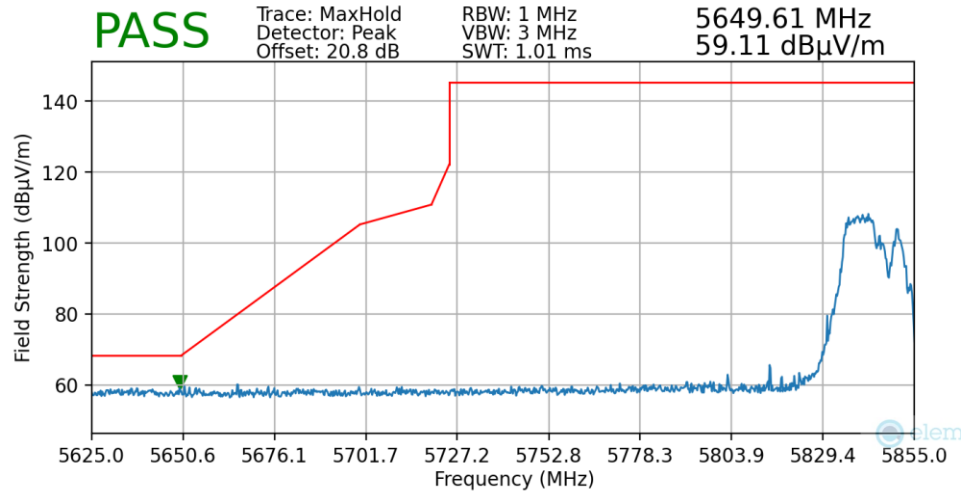
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS0
 RU Index: 54
 Distance of Measurements: 3 Meters
 Operating Frequency: 5825MHz
 Channel: 165



Plot 7-115. Radiated Upper Band Edge Plot MIMO (Peak - UNII Band 3 - 106 Tones)

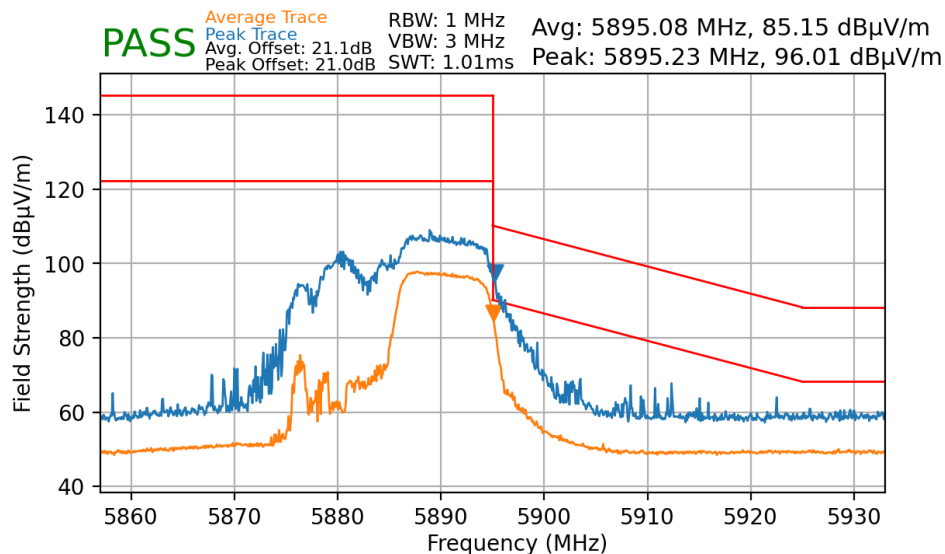
FCC ID: A3LSMA576U IC: 649E-SMA576W	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-17-R1.A3L	Test Dates: 10/29/2025-12/18/2025	EUT Type: Portable Handset	Page 102 of 113

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



Plot 7-116. 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

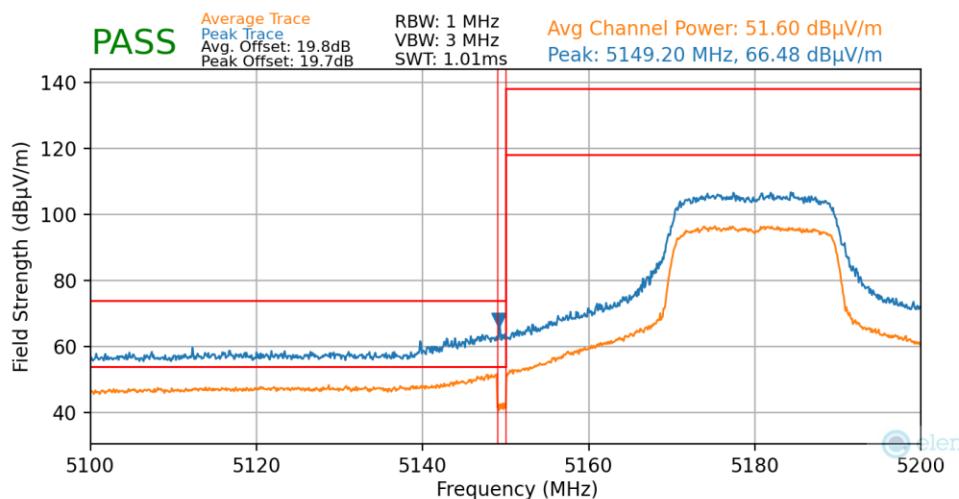


Plot 7-117. Radiated Upper Band Edge Plot MIMO (Average & Peak – UNII Band 4 – 106 Tones)

FCC ID: A3LSMA576U IC: 649E-SMA576W	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-17-R1.A3L	Test Dates: 10/29/2025-12/18/2025	EUT Type: Portable Handset	Page 103 of 113

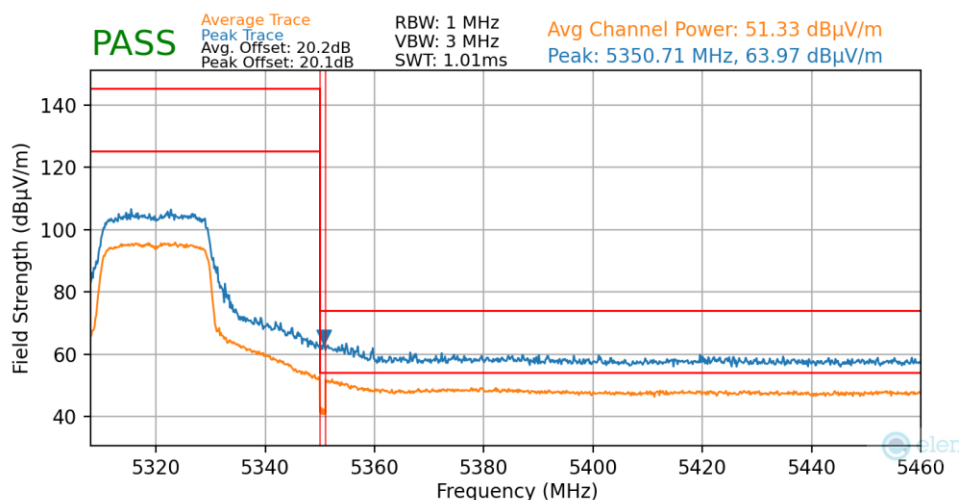
7.6.4 MIMO Radiated Band Edge Measurements (20MHz BW – Full Tone – 242T)

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



Plot 7-118. Radiated Lower Band Edge Plot MIMO (Average & Peak – UNII Band 1 – 242 Tones)

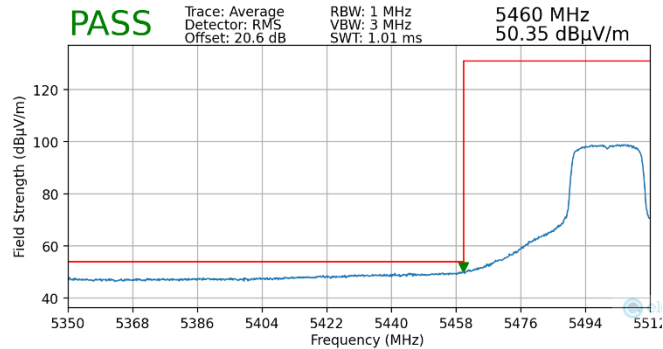
Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	5320MHz
Channel:	64



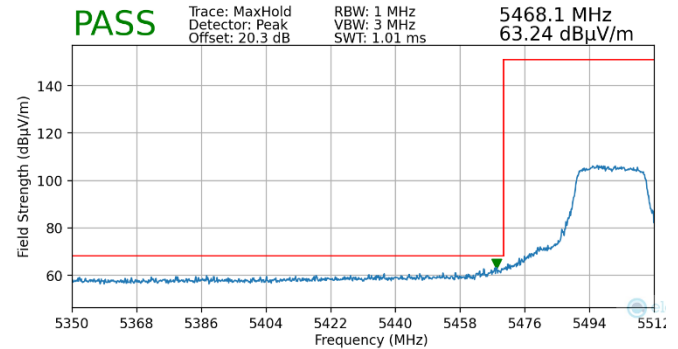
Plot 7-119. Radiated Upper Band Edge Plot MIMO (Average & Peak – UNII Band 2A – 242 Tones)

FCC ID: A3LSMA576U IC: 649E-SMA576W	MEASUREMENT REPORT		Approved by: Technical Manager
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Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS0
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 5500MHz
 Channel: 100

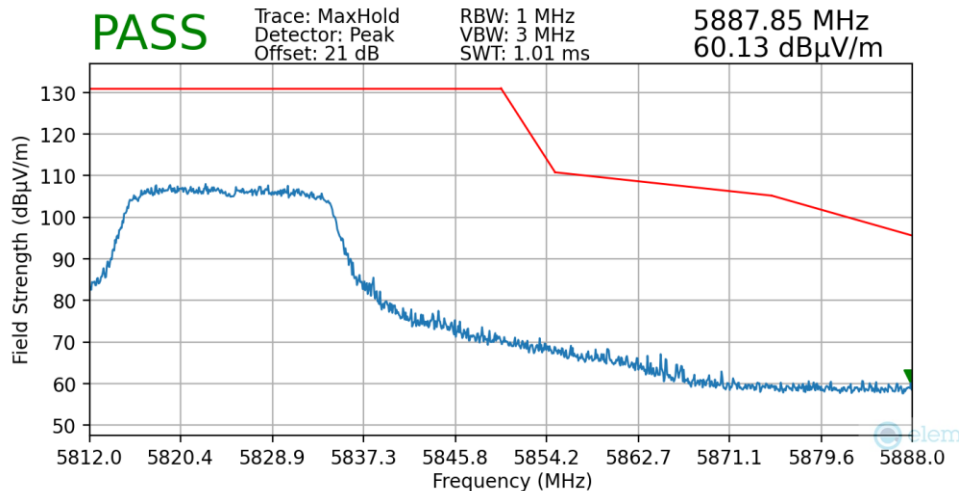


Plot 7-120. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C)



Plot 7-121. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C)

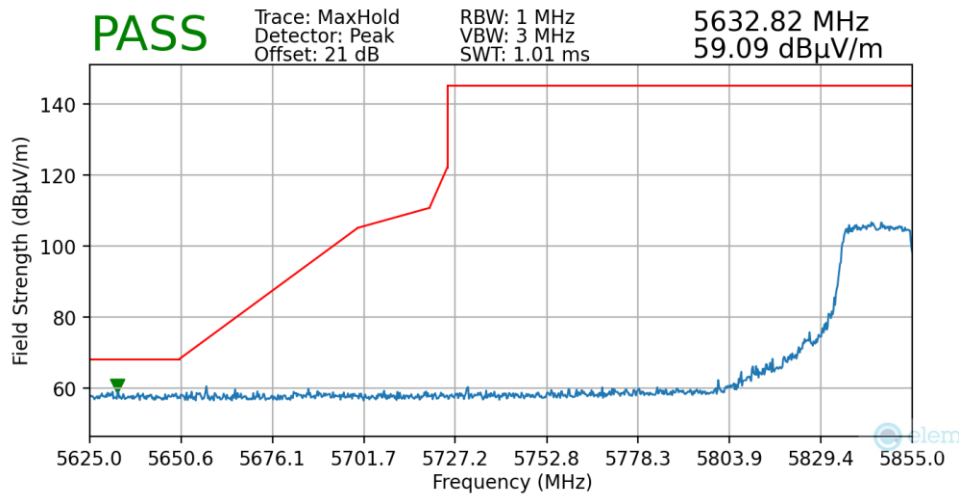
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS0
 RU Index: 61
 Distance of Measurements: 3 Meters
 Operating Frequency: 5825MHz
 Channel: 165



Plot 7-122. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 3 – 242 Tones)

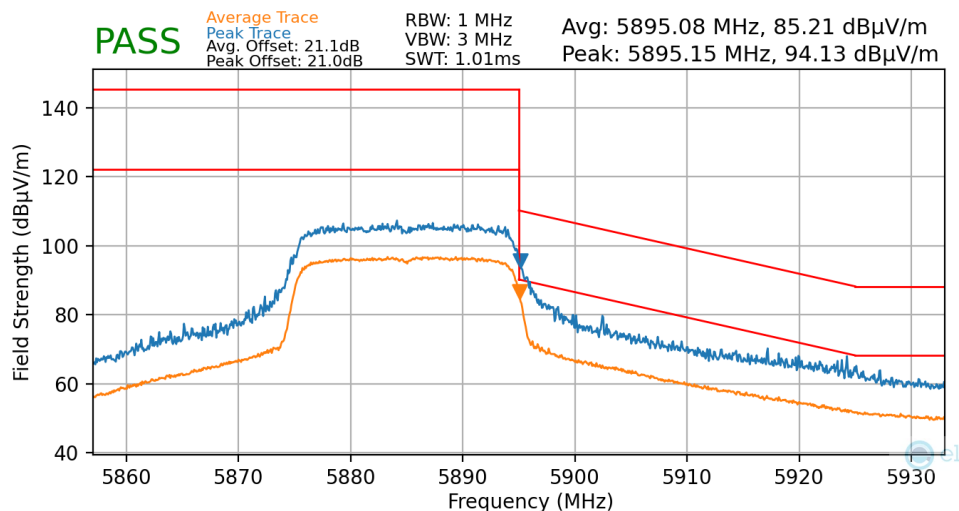
FCC ID: A3LSMA576U IC: 649E-SMA576W	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-17-R1.A3L	Test Dates: 10/29/2025-12/18/2025	EUT Type: Portable Handset	Page 105 of 113

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



Plot 7-123. 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

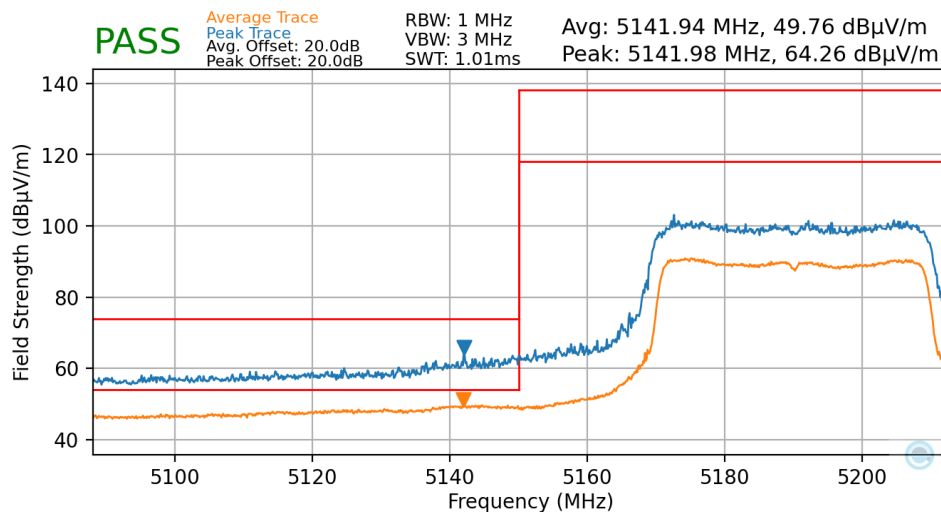


Plot 7-124. Radiated Upper Band Edge Plot MIMO (Average & Peak – UNII Band 4 – 242 Tones)

FCC ID: A3LSMA576U IC: 649E-SMA576W	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-17-R1.A3L	Test Dates: 10/29/2025-12/18/2025	EUT Type: Portable Handset	Page 106 of 113

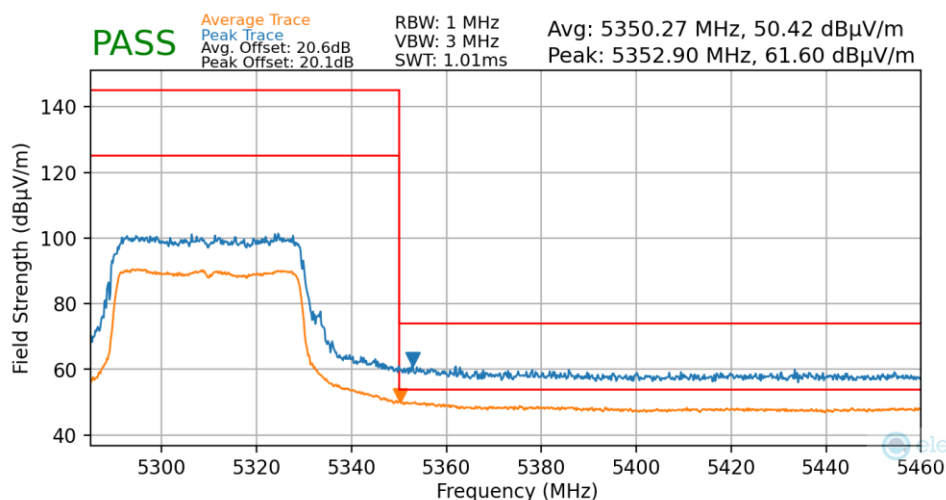
7.6.5 MIMO Radiated Band Edge Measurements (40MHz BW – Full Tone – 484T)

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



Plot 7-125. Radiated Lower Band Edge Plot MIMO (Average & Peak – UNII Band 1 – 484 Tones)

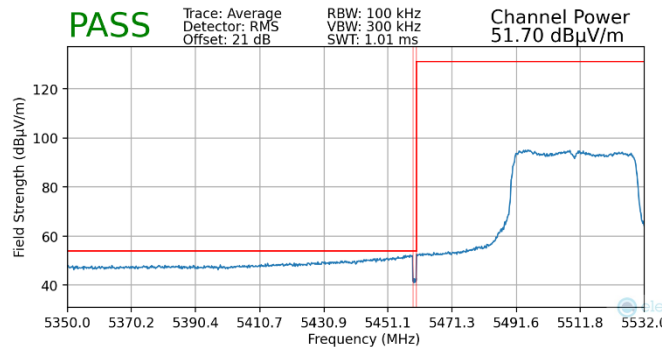
Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index:	65
Distance of Measurements:	3 Meters
Operating Frequency:	5310MHz
Channel:	62



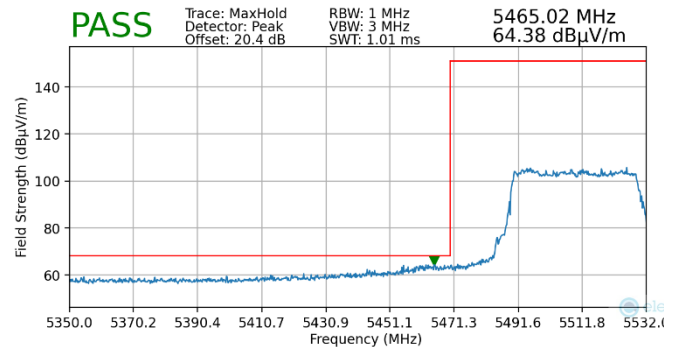
Plot 7-126. Radiated Upper Band Edge Plot MIMO (Average & Peak – UNII Band 2A – 484 Tones)

FCC ID: A3LSMA576U IC: 649E-SMA576W	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-17-R1.A3L	Test Dates: 10/29/2025-12/18/2025	EUT Type: Portable Handset	Page 107 of 113

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

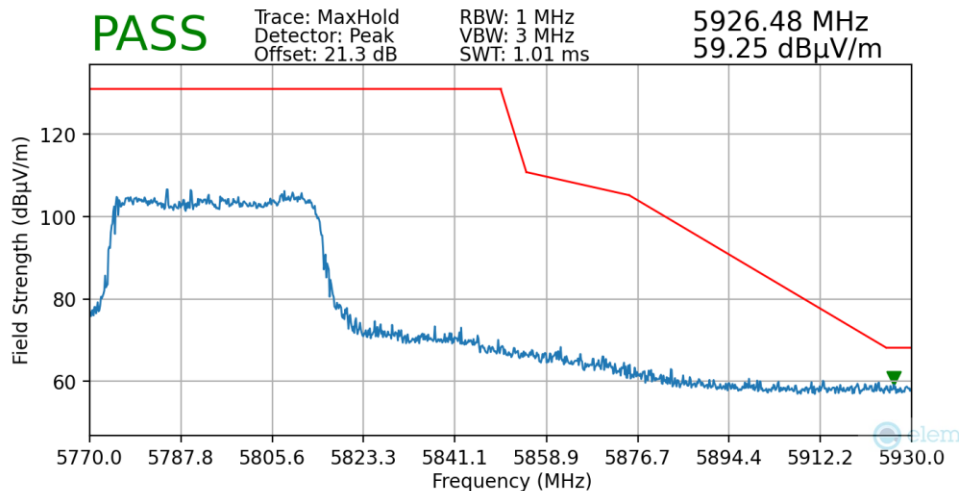


Plot 7-127. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C)



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

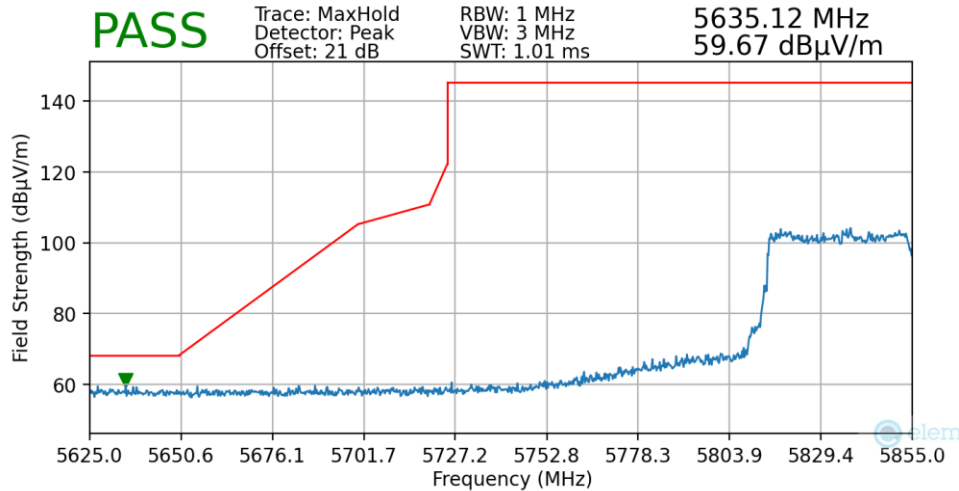
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS0
 RU Index: 65
 Distance of Measurements: 3 Meters
 Operating Frequency: 5795MHz
 Channel: 159



Plot 7-129. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 3 – 484 Tones)

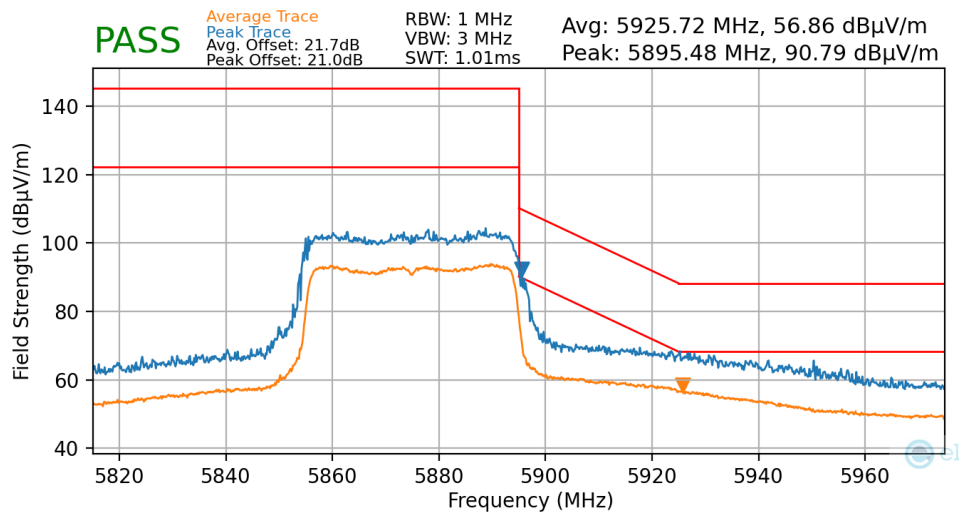
FCC ID: A3LSMA576U IC: 649E-SMA576W	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-17-R1.A3L	Test Dates: 10/29/2025-12/18/2025	EUT Type: Portable Handset	Page 108 of 113

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



Plot 7-130. 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

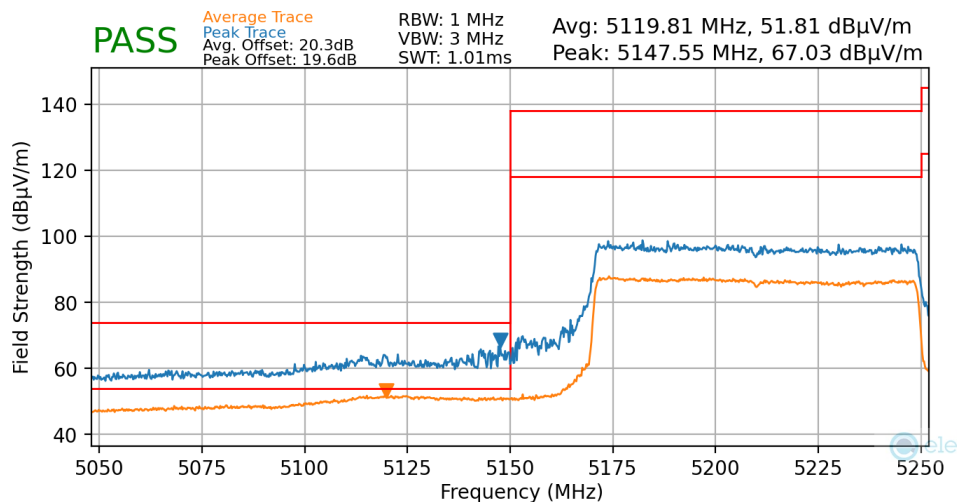


Plot 7-131. Radiated Upper Band Edge Plot MIMO (Average & Peak – UNII Band 4 – 484 Tones)

FCC ID: A3LSMA576U IC: 649E-SMA576W	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-17-R1.A3L	Test Dates: 10/29/2025-12/18/2025	EUT Type: Portable Handset	Page 109 of 113

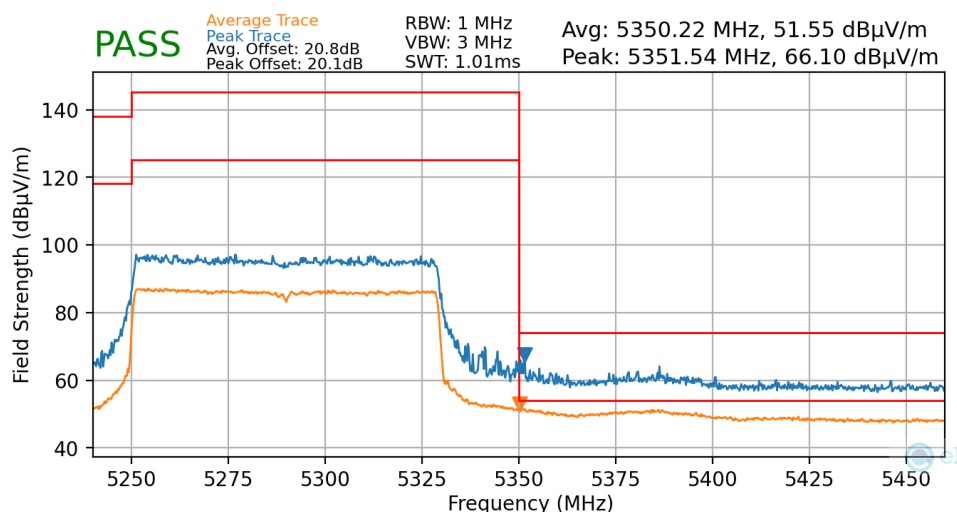
7.6.6 MIMO Radiated Band Edge Measurements (80MHz BW – Full Tone – 996T)

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



Plot 7-132. Radiated Lower Band Edge Plot MIMO (Average & Peak – UNII Band 1 – 996 Tones)

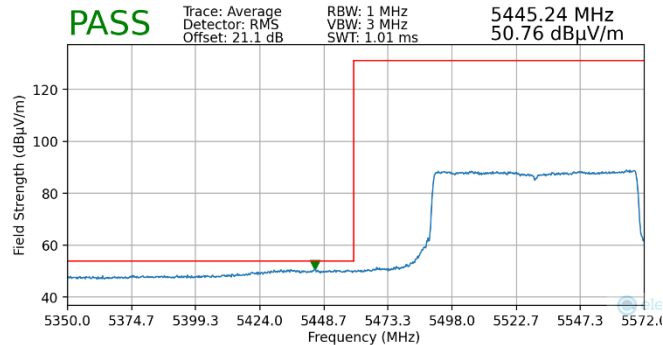
Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index:	67
Distance of Measurements:	3 Meters
Operating Frequency:	5290MHz
Channel:	58



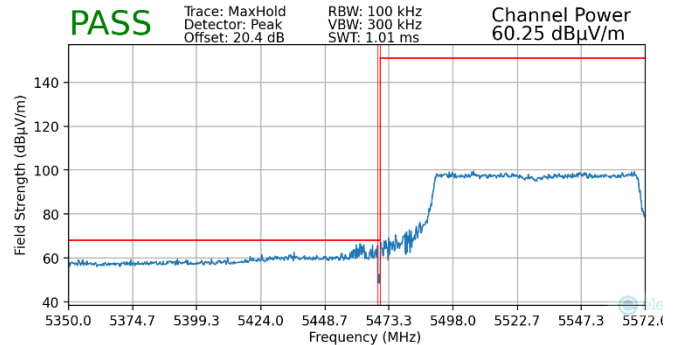
Plot 7-133. Radiated Upper Band Edge Plot MIMO (Average & Peak – UNII Band 2A – 996 Tones)

FCC ID: A3LSMA576U IC: 649E-SMA576W	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-17-R1.A3L	Test Dates: 10/29/2025-12/18/2025	EUT Type: Portable Handset	Page 110 of 113

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

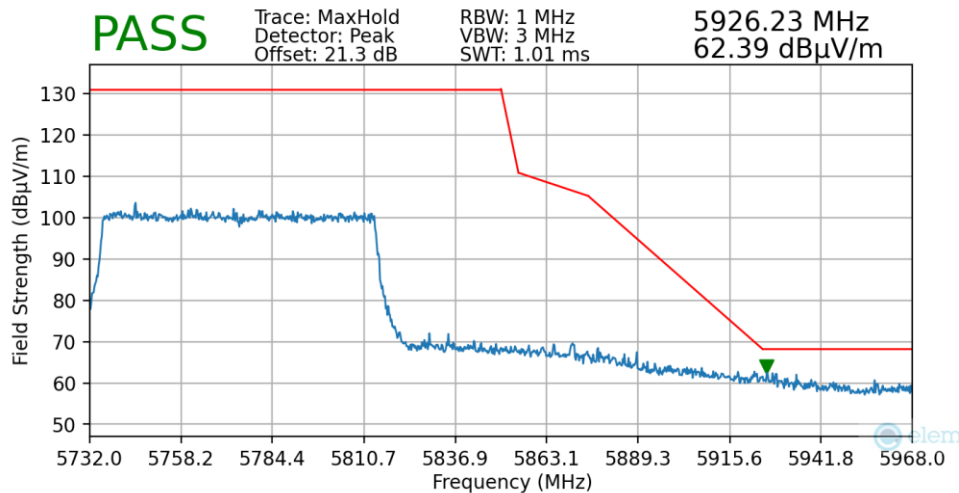


Plot 7-134. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C)



Plot 7-135. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C)

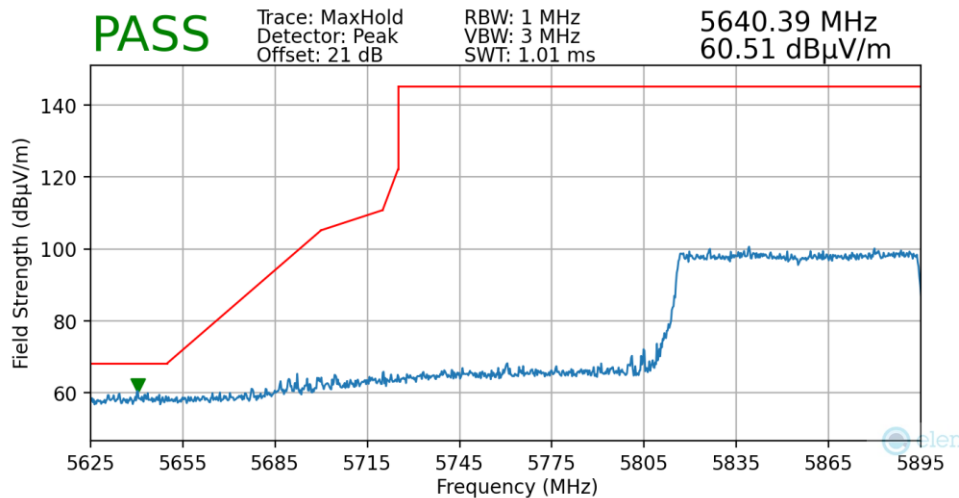
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS0
 RU Index: 67
 Distance of Measurements: 3 Meters
 Operating Frequency: 5775MHz
 Channel: 155



Plot 7-136. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 3 – 996 Tones)

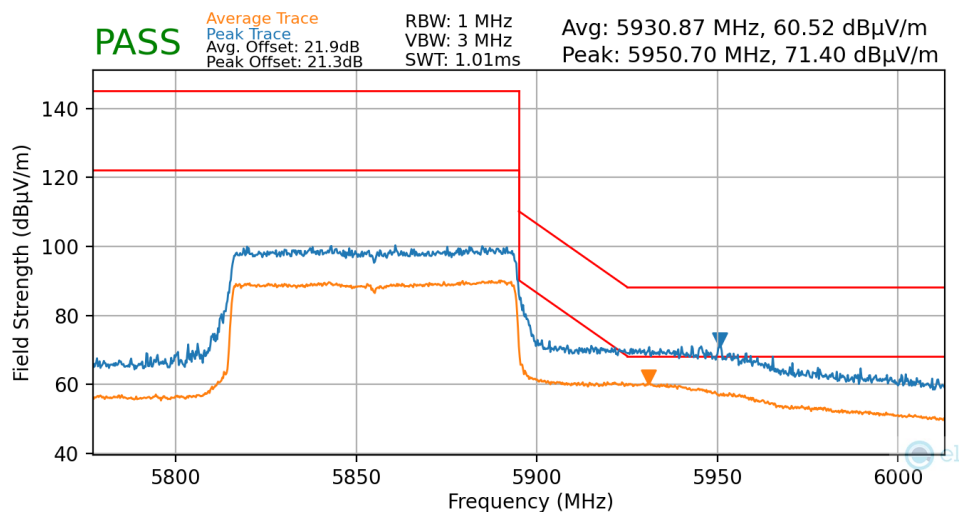
FCC ID: A3LSMA576U IC: 649E-SMA576W	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-17-R1.A3L	Test Dates: 10/29/2025-12/18/2025	EUT Type: Portable Handset	Page 111 of 113

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



Plot 7-137. 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 7-138. Radiated Upper Band Edge Plot MIMO (Average & Peak – UNII Band 4 – 996 Tones)

FCC ID: A3LSMA576U IC: 649E-SMA576W	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-17-R1.A3L	Test Dates: 10/29/2025-12/18/2025	EUT Type: Portable Handset	Page 112 of 113

8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Samsung Portable Handset FCC ID: A3LSMA576U** and **IC: 649E-SMA576W** is in compliance with FCC Part Subpart E (15.407) of the FCC rules and RSS-247 Issue 4 of the ISED Canada rules.

- END OF TEST REPORT -

FCC ID: A3LSMA576U IC: 649E-SMA576W	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-17-R1.A3L	Test Dates: 10/29/2025-12/18/2025	EUT Type: Portable Handset	Page 113 of 113