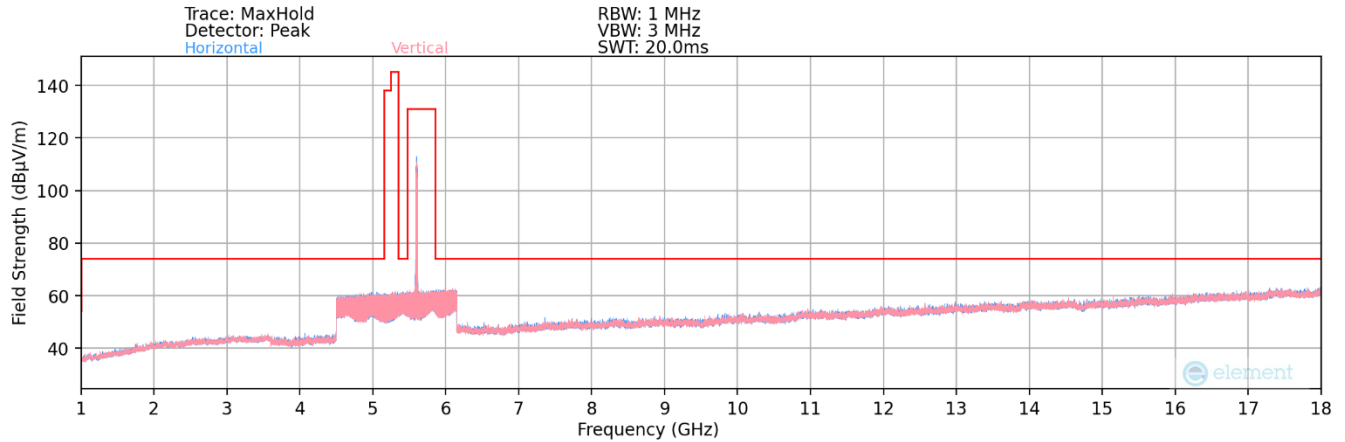
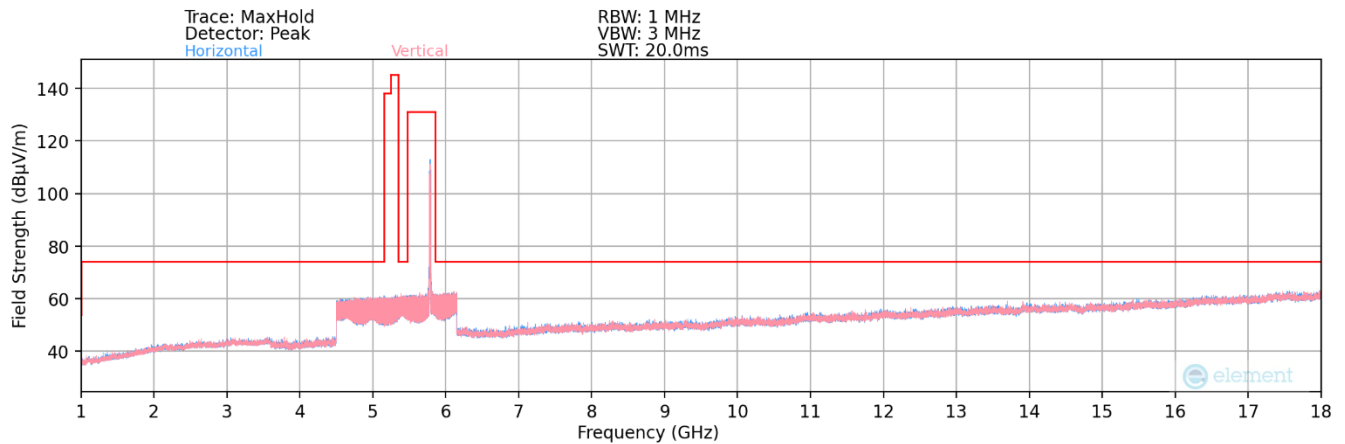
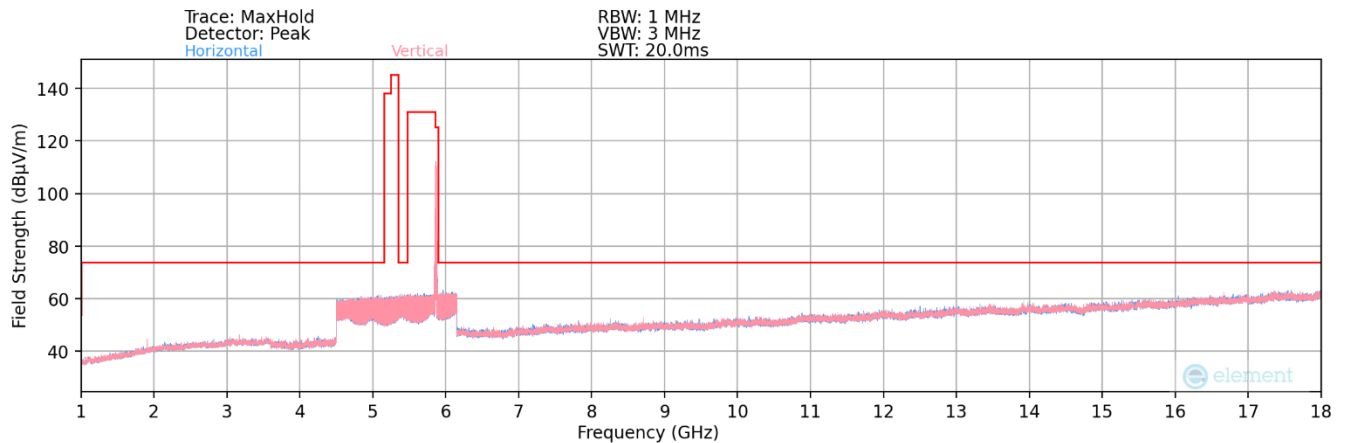




Plot 7-104. Radiated Spurious Plot above 1GHz MIMO (802.11ax – UNII Band 2C Ch. 120)

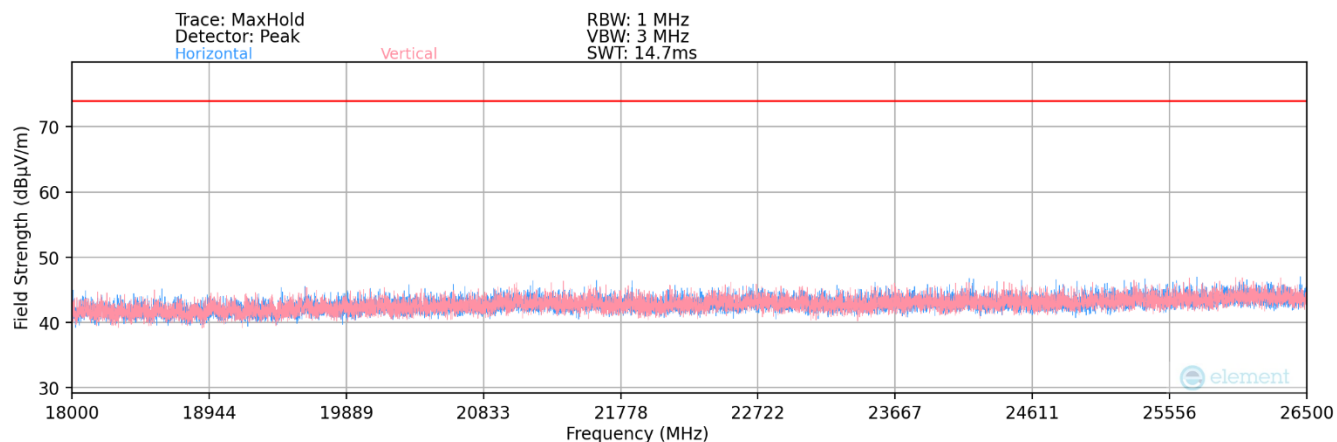


Plot 7-105. Radiated Spurious Plot above 1GHz MIMO (802.11ax – UNII Band 3 Ch. 157)

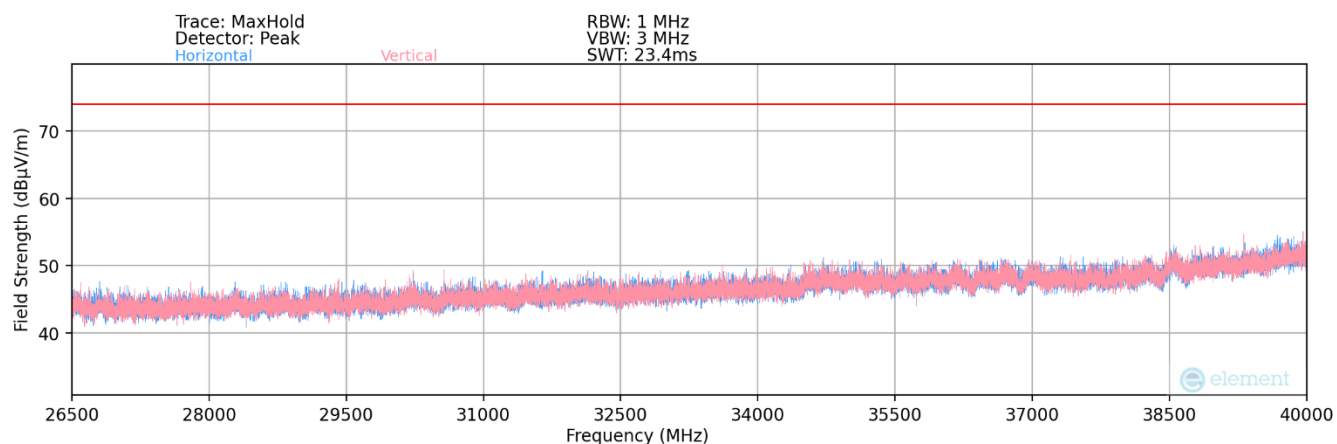


Plot 7-106. Radiated Spurious Plot above 1GHz MIMO (802.11ax – UNII Band 4 Ch. 173)

FCC ID: A3LSMG766U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-18.A3L	Test Dates: 1/6/2025 - 3/5/2025	EUT Type: Portable Handset	Page 87 of 113



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



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

FCC ID: A3LSMG766U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-18.A3L	Test Dates: 1/6/2025 - 3/5/2025	EUT Type: Portable Handset	Page 88 of 113

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	H	133	321	-68.22	16.03	0.00	54.81	68.20	-13.39
					*	15540.00	Average	H	112	19	-79.25	23.04	0.00	50.79	53.98	-3.19
					*	15540.00	Peak	H	112	19	-67.00	23.04	0.00	63.04	73.98	-10.94
					*	20720.00	Average	H	-	-	-66.13	3.16	-9.54	34.49	53.98	-19.49
					*	20720.00	Peak	H	-	-	-56.47	3.16	-9.54	44.15	73.98	-29.83
						25900.00	Peak	H	-	-	-56.40	4.24	-9.54	45.30	68.20	-22.90
			40	5200		7770.00	Peak	H	176	311	-63.41	13.11	0.00	56.70	68.20	-11.50
						10400.00	Peak	H	142	321	-68.43	16.25	0.00	54.82	68.20	-13.38
					*	15600.00	Average	H	133	345	-79.61	23.40	0.00	50.79	53.98	-3.19
					*	15600.00	Peak	H	133	345	-67.40	23.40	0.00	63.00	73.98	-10.98
					*	20800.00	Average	H	-	-	-66.25	3.15	-9.54	34.37	53.98	-19.61
					*	20800.00	Peak	H	-	-	-55.09	3.15	-9.54	45.52	73.98	-28.46
			48	5240		26000.00	Peak	H	-	-	-56.80	4.16	-9.54	44.82	68.20	-23.38
						7800.00	Peak	H	198	312	-64.82	13.26	0.00	55.44	68.20	-12.76
						10480.00	Peak	H	156	320	-68.42	16.26	0.00	54.84	68.20	-13.36
					*	15720.00	Average	H	108	17	-79.44	23.33	0.00	50.89	53.98	-3.09
					*	15720.00	Peak	H	108	17	-66.34	23.33	0.00	63.99	73.98	-9.99
						20960.00	Peak	H	-	-	-57.35	3.27	-9.54	43.38	68.20	-24.82
						26200.00	Peak	H	-	-	-56.64	3.96	-9.54	44.78	68.20	-23.42
						7860.00	Peak	H	159	308	-65.30	12.71	0.00	54.41	68.20	-13.79

Table 7-20. Radiated Measurements MIMO

FCC ID: A3LSMG766U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-18.A3L	Test Dates: 1/6/2025 - 3/5/2025	EUT Type: Portable Handset	Page 89 of 113

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	H	139	325	-68.48	16.33	0.00	54.85	68.20	-13.35
					*	15780.00	Average	H	142	88	-79.50	23.33	0.00	50.83	53.98	-3.15
					*	15780.00	Peak	H	142	88	-66.41	23.33	0.00	63.92	73.98	-10.06
					*	21040.00	Average	H	-	-	-66.14	3.35	-9.54	34.67	53.98	-19.31
					*	21040.00	Peak	H	-	-	-56.11	3.35	-9.54	44.70	73.98	-29.28
						26300.00	Peak	H	-	-	-56.09	3.91	-9.54	45.28	68.20	-22.92
						7180.00	Peak	H	167	298	-68.28	11.52	0.00	50.24	68.20	-17.96
					*	7365.00	Average	H	167	298	-78.26	12.88	0.00	41.62	53.98	-12.36
					*	7365.00	Peak	H	167	298	-67.39	12.88	0.00	52.49	73.98	-21.49
			56	5280		10560.00	Peak	H	156	333	-68.94	16.58	0.00	54.64	68.20	-13.56
					*	15840.00	Average	H	152	82	-79.79	23.62	0.00	50.83	53.98	-3.15
					*	15840.00	Peak	H	152	82	-67.13	23.62	0.00	63.49	73.98	-10.49
					*	21120.00	Average	H	-	-	-66.24	3.46	-9.54	34.68	53.98	-19.30
					*	21120.00	Peak	H	-	-	-56.01	3.46	-9.54	44.91	73.98	-29.07
						26400.00	Peak	H	-	-	-56.40	3.71	-9.54	44.78	68.20	-23.42
					*	7392.00	Average	H	166	296	-78.55	12.98	0.00	41.43	53.98	-12.55
					*	7392.00	Peak	H	166	296	-66.59	12.98	0.00	53.39	73.98	-20.59
			64	5320	*	10640.00	Average	H	142	325	-80.20	16.85	0.00	43.65	53.98	-10.32
					*	10640.00	Peak	H	142	325	-68.90	16.85	0.00	54.95	73.98	-19.03
					*	15960.00	Average	H	128	87	-80.21	24.02	0.00	50.81	53.98	-3.17
					*	15960.00	Peak	H	128	87	-68.46	24.02	0.00	62.56	73.98	-11.42
					*	21280.00	Average	H	-	-	-66.25	3.58	-9.54	34.79	53.98	-19.19
					*	21280.00	Peak	H	-	-	-56.71	3.58	-9.54	44.33	73.98	-29.65
						26600.00	Peak	H	-	-	-58.16	3.91	-9.54	43.21	68.20	-24.99
					*	7448.00	Average	H	137	301	-78.81	12.39	0.00	40.58	53.98	-13.40
					*	7448.00	Peak	H	137	301	-67.87	12.39	0.00	51.52	73.98	-22.46

Table 7-21. Radiated Measurements MIMO

FCC ID: A3LSMG766U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-18.A3L	Test Dates: 1/6/2025 - 3/5/2025	EUT Type: Portable Handset	Page 90 of 113

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	H	111	355	-79.32	17.49	0.00	45.17	53.98	-8.81
					*	11000.00	Peak	H	111	355	-67.88	17.49	0.00	56.61	73.98	-17.37
						16500.00	Peak	H	123	109	-68.84	25.00	0.00	63.16	68.20	-5.04
						22000.00	Peak	H	-	-	-55.82	3.53	-9.54	45.17	68.20	-23.03
						27500.00	Peak	H	-	-	-55.31	3.97	-9.54	46.12	68.20	-22.08
						6600.00	Peak	H	133	303	-66.84	10.31	0.00	50.47	68.20	-17.73
			120	5600	*	11200.00	Average	H	220	13	-79.55	17.61	0.00	45.06	53.98	-8.92
					*	11200.00	Peak	H	220	13	-68.18	17.61	0.00	56.43	73.98	-17.55
						16800.00	Peak	H	108	86	-68.53	24.98	0.00	63.45	68.20	-4.75
					*	22400.00	Average	H	-	-	-66.11	3.58	-9.54	34.92	53.98	-19.06
					*	22400.00	Peak	H	-	-	-56.35	3.58	-9.54	44.69	73.98	-29.29
						28000.00	Peak	H	-	-	-57.29	4.52	-9.54	44.68	68.20	-23.52
			144	5720		6720.00	Peak	H	176	1	-65.52	10.33	0.00	51.81	68.20	-16.39
					*	11440.00	Average	H	174	335	-78.98	18.15	0.00	46.17	53.98	-7.81
					*	11440.00	Peak	H	174	335	-67.74	18.15	0.00	57.41	73.98	-16.57
						17160.00	Peak	H	188	341	-69.13	25.10	0.00	62.97	68.20	-5.23
					*	22880.00	Average	H	-	-	-66.04	3.76	-9.54	35.18	53.98	-18.80
					*	22880.00	Peak	H	-	-	-56.69	3.76	-9.54	44.52	73.98	-29.46
						28600.00	Peak	H	-	-	-57.31	4.96	-9.54	45.12	68.20	-23.08

Table 7-22. Radiated Measurements MIMO

FCC ID: A3LSMG766U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-18.A3L	Test Dates: 1/6/2025 - 3/5/2025	EUT Type: Portable Handset	Page 91 of 113



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	H	143	333	-79.94	18.28	0.00	45.34	53.98	-8.64
					*	11490.00	Peak	H	143	333	-67.27	18.28	0.00	58.01	73.98	-15.97
						17235.00	Peak	H	156	13	-68.72	25.51	0.00	63.79	68.20	-4.41
					*	22980.00	Average	H	-	-	-66.64	3.66	-9.54	34.48	53.98	-19.50
					*	22980.00	Peak	H	-	-	-56.40	3.66	-9.54	44.72	73.98	-29.26
						28725.00	Peak	H	-	-	-55.94	5.05	-9.54	46.57	68.20	-21.63
			157	5785	*	11570.00	Average	H	222	335	-78.49	18.16	0.00	46.67	53.98	-7.31
					*	11570.00	Peak	H	222	335	-66.41	18.16	0.00	58.75	73.98	-15.23
						17355.00	Peak	H	146	48	-69.97	26.74	0.00	63.77	68.20	-4.43
						23140.00	Peak	H	-	-	-56.85	3.65	-9.54	44.26	68.20	-23.94
						28925.00	Peak	H	-	-	-57.40	4.92	-9.54	44.98	68.20	-23.22
			165	5825	*	11650.00	Average	H	120	329	-79.47	18.25	0.00	45.78	53.98	-8.20
					*	11650.00	Peak	H	120	329	-67.54	18.25	0.00	57.71	73.98	-16.27
						17475.00	Peak	H	150	13	-69.03	26.50	0.00	64.47	68.20	-3.73
						23300.00	Peak	H	-	-	-56.85	3.55	-9.54	44.16	68.20	-24.04
						29125.00	Peak	H	-	-	-56.84	5.01	-9.54	45.63	68.20	-22.57

Table 7-23. Radiated Measurements MIMO

FCC ID: A3LSMG766U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-18.A3L	Test Dates: 1/6/2025 - 3/5/2025	EUT Type: Portable Handset	Page 92 of 113



MIMO Radiated Spurious Emission Measurements – UNII Band 4

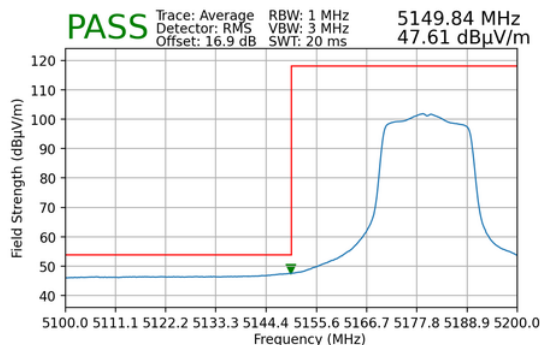
Mode	Antenna	UNII Band	Channel	Test Channel Freq. [MHz]	Restricted	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
802.11a	MIMO	4	169	5845	*	11690.00	Average	H	198	339	-79.48	18.65	0.00	46.17	53.98	-7.81
					*	11690.00	Peak	H	198	339	-68.03	18.65	0.00	57.62	73.98	-16.36
						17535.00	Peak	H	185	11	-69.15	26.34	0.00	64.19	68.20	-4.01
						23380.00	Peak	H	-	-	-57.89	3.53	-9.54	43.10	68.20	-25.10
						29225.00	Peak	H	-	-	-56.27	5.04	-9.54	46.23	68.20	-21.97
			173	5865	*	11730.00	Average	H	270	337	-79.57	18.20	0.00	45.63	53.98	-8.35
					*	11730.00	Peak	H	270	337	-68.41	18.20	0.00	56.79	73.98	-17.19
						17595.00	Peak	H	108	52	-68.73	26.29	0.00	64.56	68.20	-3.64
						23460.00	Peak	H	-	-	-56.27	3.57	-9.54	44.76	68.20	-23.44
						29325.00	Peak	H	-	-	-56.68	5.14	-9.54	45.92	68.20	-22.28
			177	5885	*	11770.00	Average	H	185	11	-80.19	18.48	0.00	45.29	53.98	-8.69
					*	11770.00	Peak	H	185	11	-69.20	18.48	0.00	56.28	73.98	-17.70
						17655.00	Peak	H	137	53	-68.17	26.16	0.00	64.99	68.20	-3.21
						23540.00	Peak	H	-	-	-57.24	3.57	-9.54	43.80	68.20	-24.40
						29425.00	Peak	H	-	-	-57.64	5.13	-9.54	44.95	68.20	-23.25

Table 7-24. Radiated Measurements MIMO

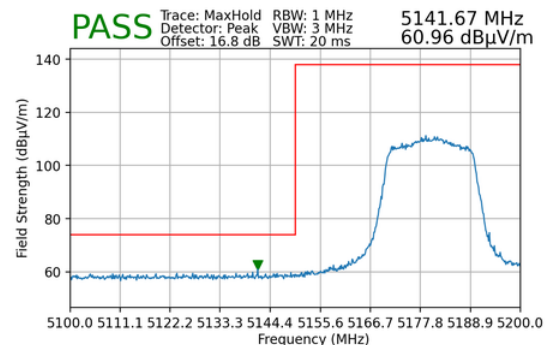
FCC ID: A3LSMG766U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-18.A3L	Test Dates: 1/6/2025 - 3/5/2025	EUT Type: Portable Handset	Page 93 of 113

7.6.2 MIMO Radiated Band Edge Measurements (20MHz BW)

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

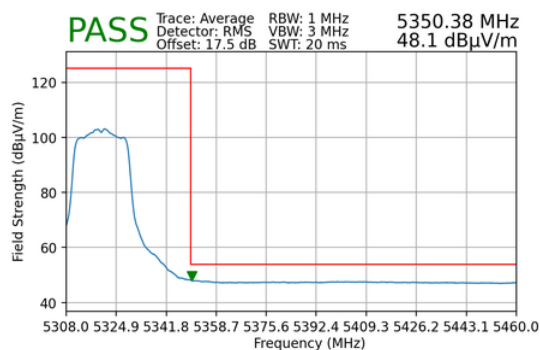


Plot 7-109. Radiated Lower Band Edge Plot MIMO
(Average – UNII Band 1)

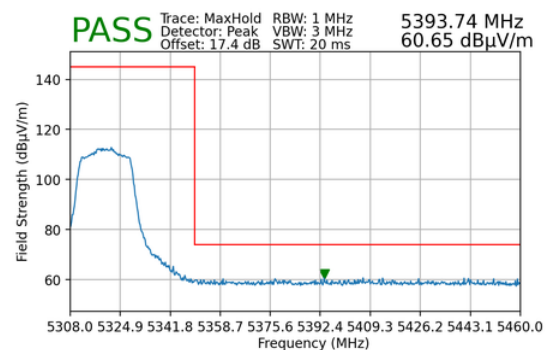


Plot 7-110. Radiated Lower Band Edge Plot MIMO
(Peak – UNII Band 1)

Worst Case Mode:	802.11ac
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	5320MHz
Channel:	64



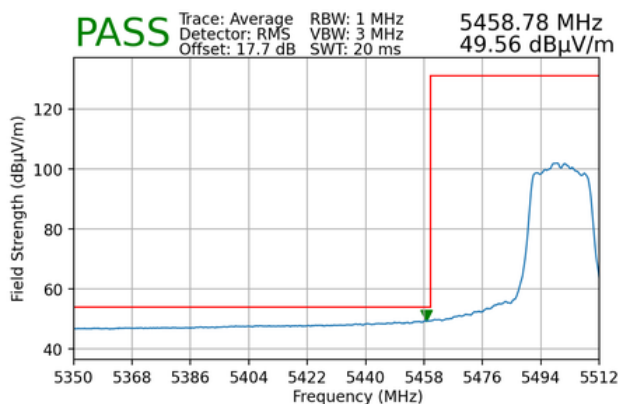
Plot 7-111. Radiated Upper Band Edge Plot MIMO
(Average – UNII Band 2A)



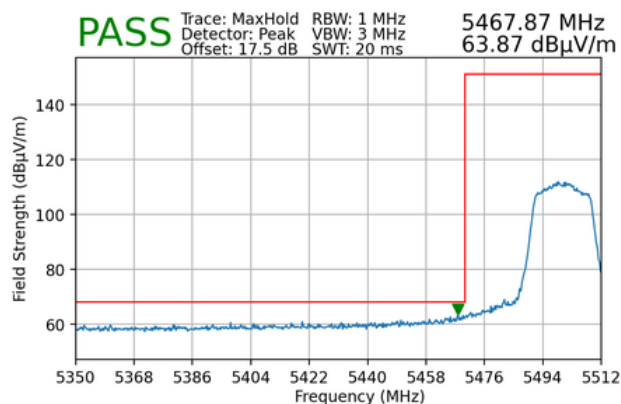
Plot 7-112. Radiated Upper Band Edge Plot MIMO
(Peak – UNII Band 2A)

FCC ID: A3LSMG766U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-18.A3L	Test Dates: 1/6/2025 - 3/5/2025	EUT Type: Portable Handset	Page 94 of 113

Worst Case Mode: 802.11ac
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5500MHz
 Channel: 100

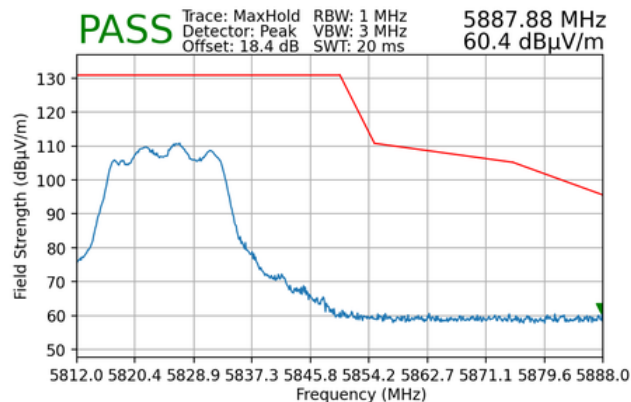


Plot 7-113. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C)



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

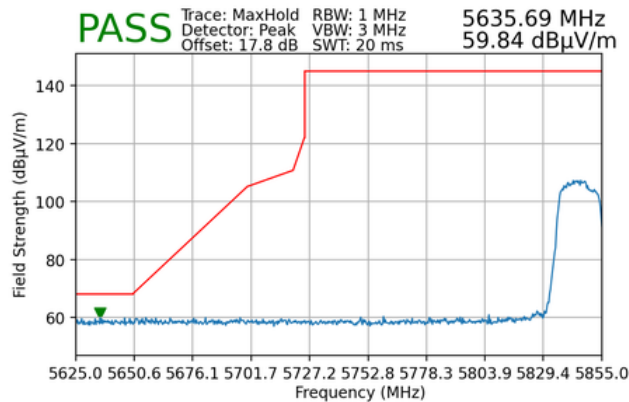
Worst Case Mode: 802.11a
 Worst Case Transfer Rate: 1Mbps
 Distance of Measurements: 3 Meters
 Operating Frequency: 5825MHz
 Channel: 165



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

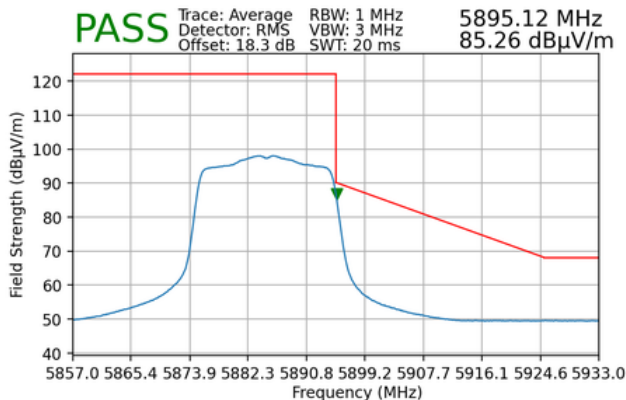
FCC ID: A3LSMG766U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-18.A3L	Test Dates: 1/6/2025 - 3/5/2025	EUT Type: Portable Handset	Page 95 of 113

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

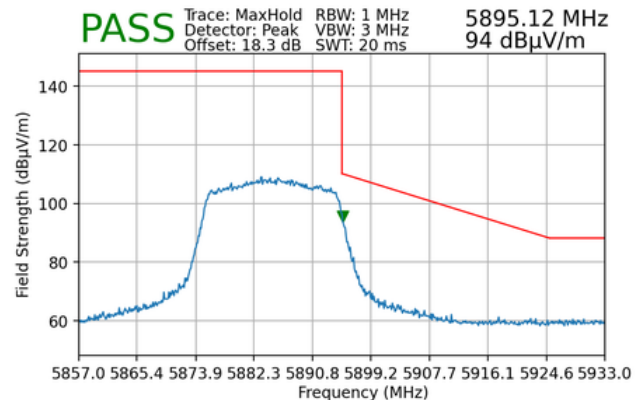


Plot 7-116. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 4)

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



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

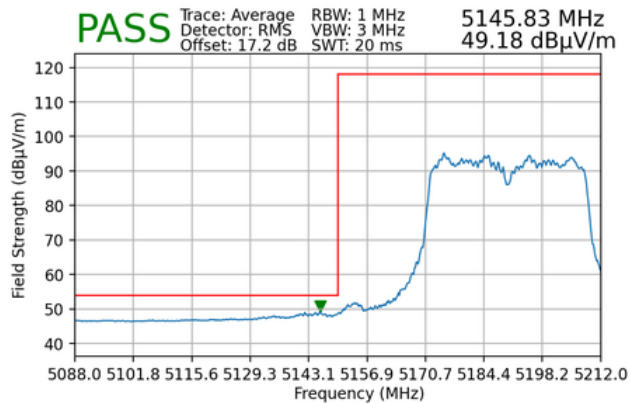


Plot 7-118. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 4)

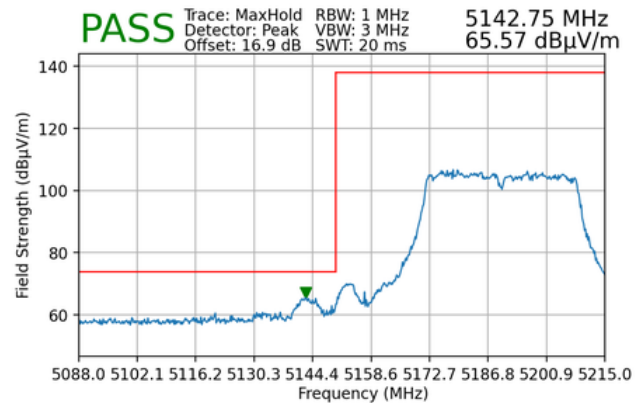
FCC ID: A3LSMG766U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-18.A3L	Test Dates: 1/6/2025 - 3/5/2025	EUT Type: Portable Handset	Page 96 of 113

7.6.3 MIMO Radiated Band Edge Measurements (40MHz BW)

Worst Case Mode:	802.11ac
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	5190MHz
Channel:	38

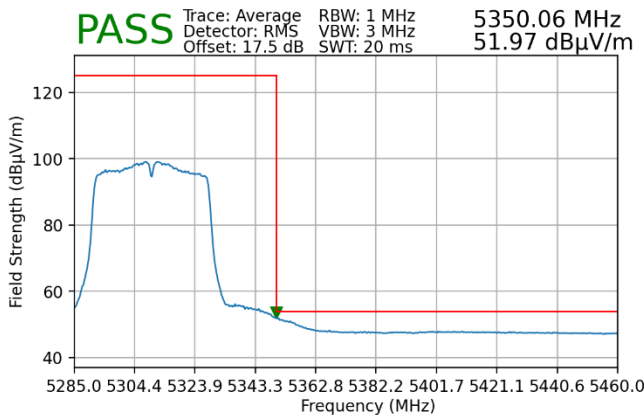


Plot 7-119. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1)

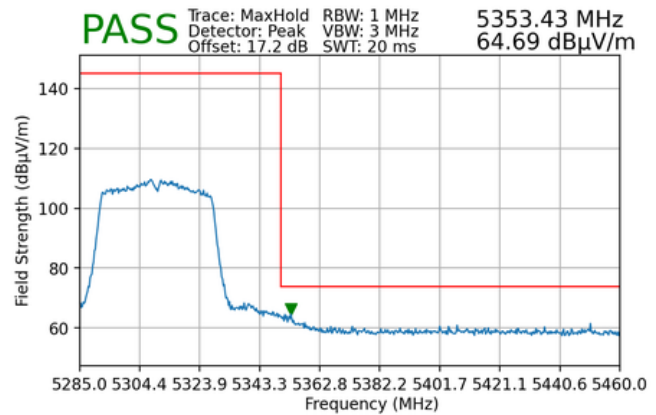


Plot 7-120. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1)

Worst Case Mode:	802.11ac
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	5310MHz
Channel:	62



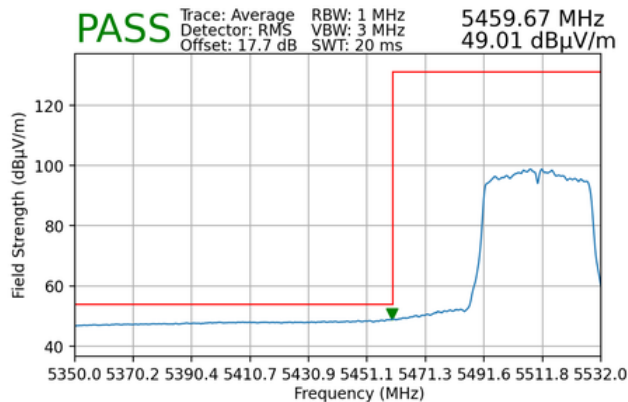
Plot 7-121. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A)



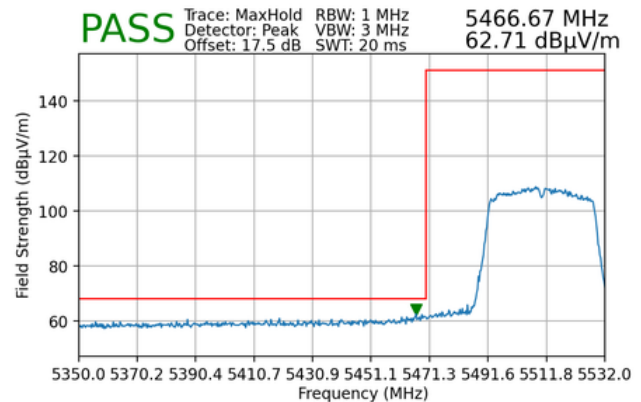
Plot 7-122. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A)

FCC ID: A3LSMG766U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-18.A3L	Test Dates: 1/6/2025 - 3/5/2025	EUT Type: Portable Handset	Page 97 of 113

Worst Case Mode: 802.11ac
Worst Case Transfer Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 5510MHz
Channel: 102

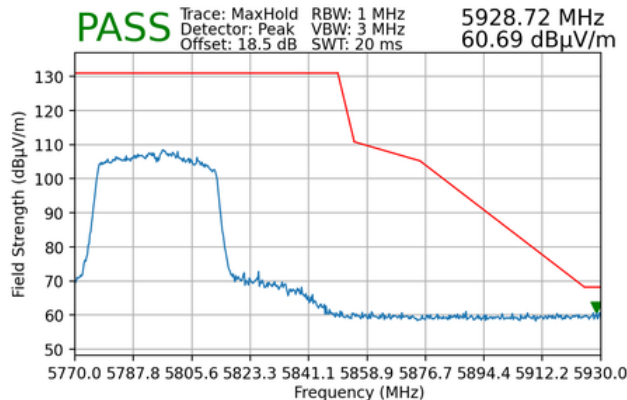


**Plot 7-123. Radiated Lower Band Edge Plot MIMO
(Average – UNII Band 2C)**



**Plot 7-124. Radiated Lower Band Edge Plot MIMO
(Peak – UNII Band 2C)**

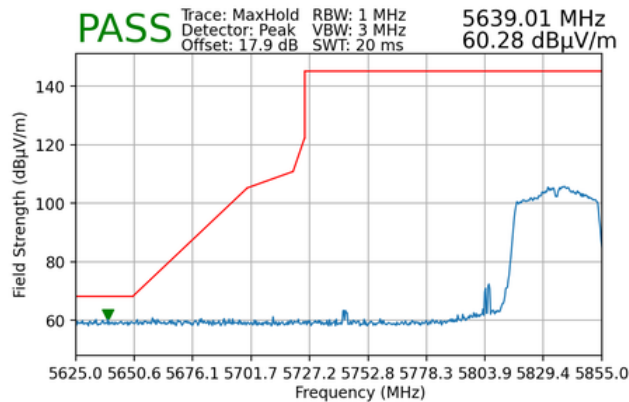
Worst Case Mode: 802.11ac
Worst Case Transfer Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 5795MHz
Channel: 159



**Plot 7-125. Radiated Upper Band Edge Plot MIMO
(Peak – UNII Band 3)**

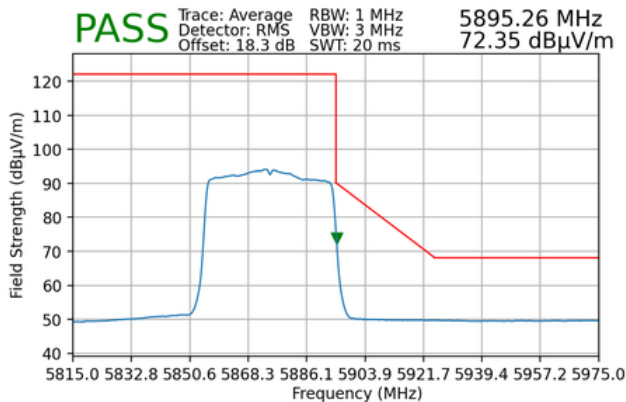
FCC ID: A3LSMG766U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-18.A3L	Test Dates: 1/6/2025 - 3/5/2025	EUT Type: Portable Handset	Page 98 of 113

Worst Case Mode: 802.11ac
Worst Case Transfer Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 5835MHz
Channel: 167

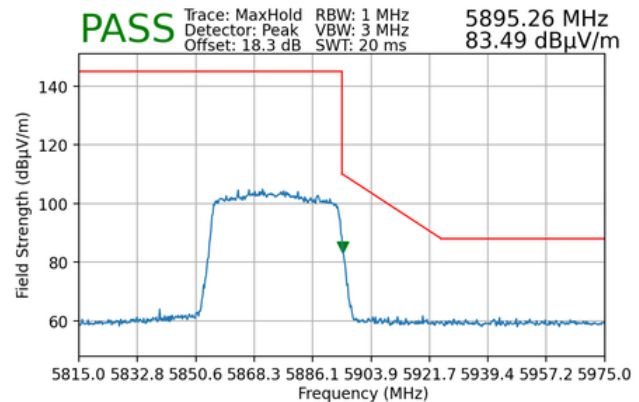


**Plot 7-126. Radiated Lower Band Edge Plot MIMO
(Peak – UNII Band 4)**

Worst Case Mode: 802.11n
Worst Case Transfer Rate: MCS8
Distance of Measurements: 3 Meters
Operating Frequency: 5875MHz
Channel: 175



**Plot 7-127. Radiated Upper Band Edge Plot MIMO
(Average – UNII Band 4)**

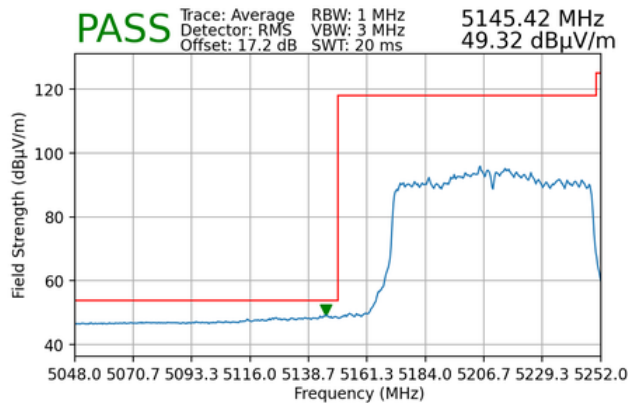


**Plot 7-128. Radiated Upper Band Edge Plot MIMO
(Peak – UNII Band 4)**

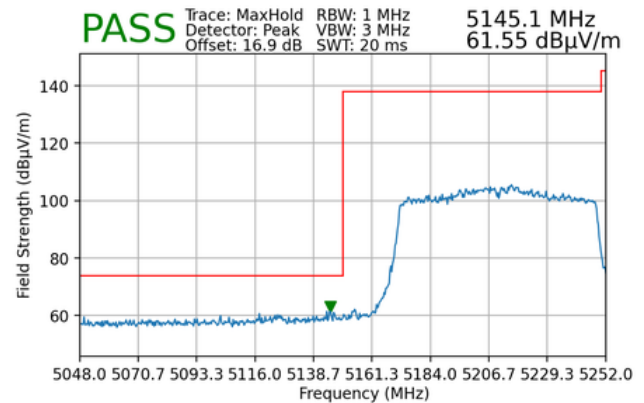
FCC ID: A3LSMG766U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-18.A3L	Test Dates: 1/6/2025 - 3/5/2025	EUT Type: Portable Handset	Page 99 of 113

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

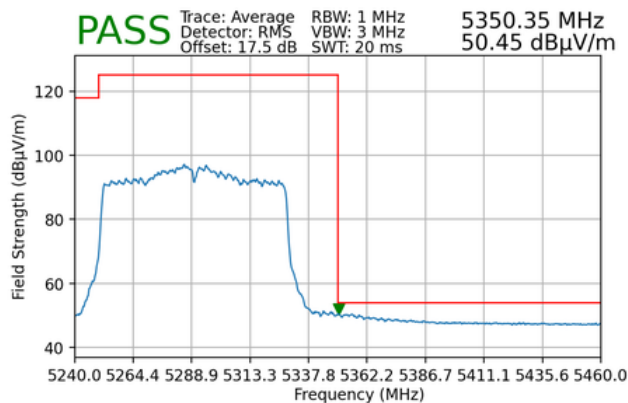


Plot 7-129. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1)

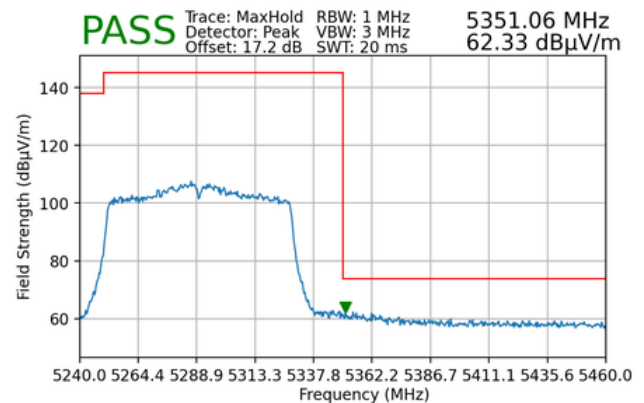


Plot 7-130. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1)

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



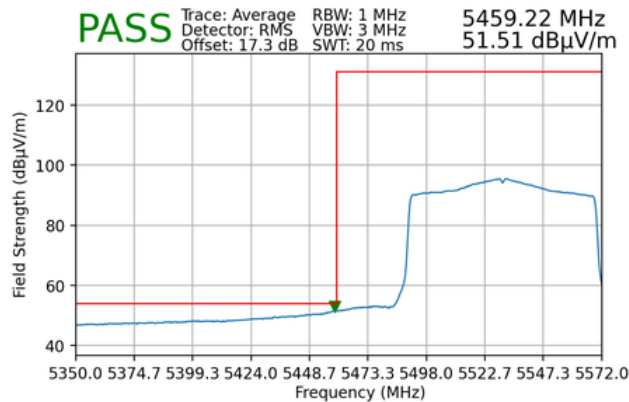
Plot 7-131. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A)



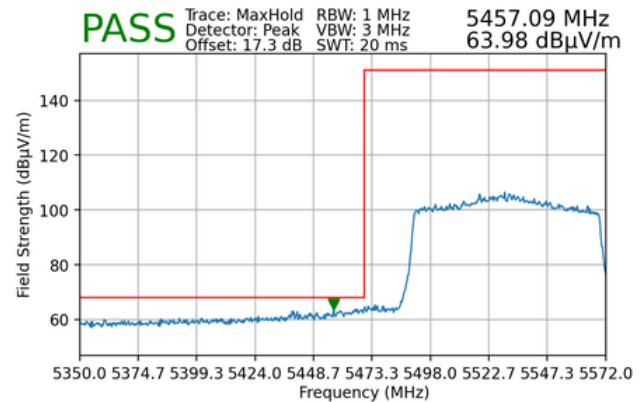
Plot 7-132. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A)

FCC ID: A3LSMG766U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-18.A3L	Test Dates: 1/6/2025 - 3/5/2025	EUT Type: Portable Handset	Page 100 of 113

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

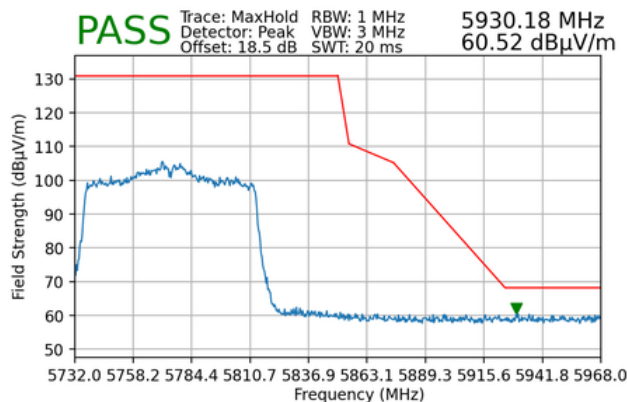


Plot 7-133. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C)



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

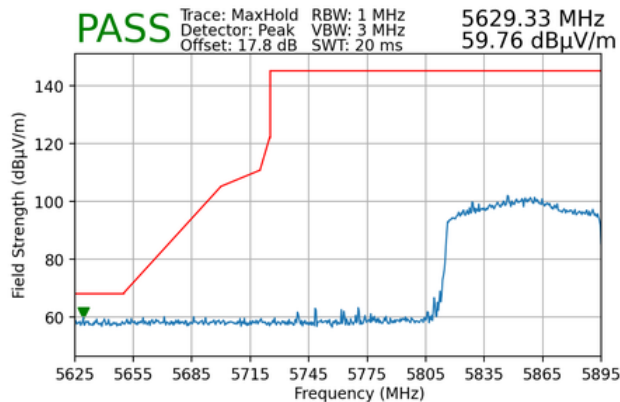
Worst Case Mode: 802.11ac
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5775MHz
 Channel: 155



Plot 7-135. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 3)

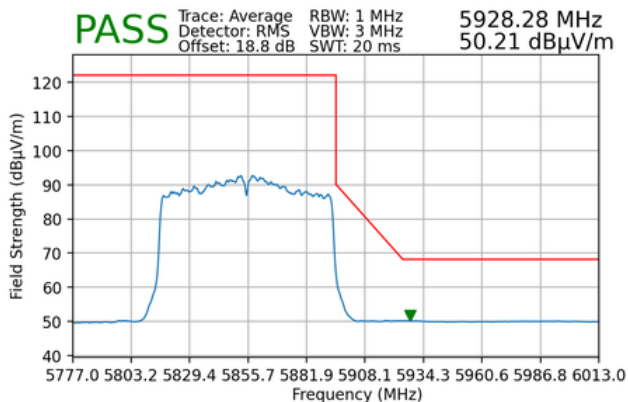
FCC ID: A3LSMG766U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-18.A3L	Test Dates: 1/6/2025 - 3/5/2025	EUT Type: Portable Handset	Page 101 of 113

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

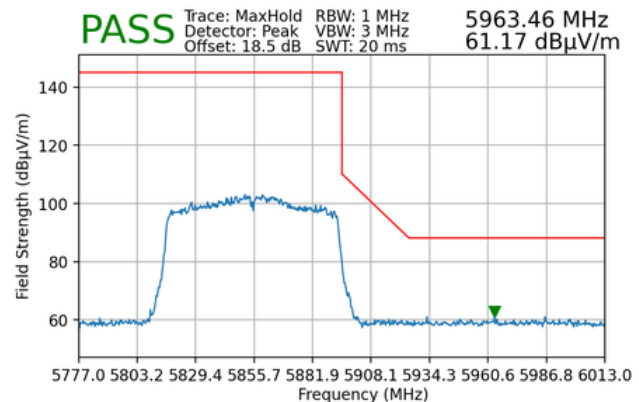


**Plot 7-136. Radiated Lower Band Edge Plot MIMO
(Peak – UNII Band 4)**

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



**Plot 7-137. Radiated Upper Band Edge Plot MIMO
(Average – UNII Band 4)**

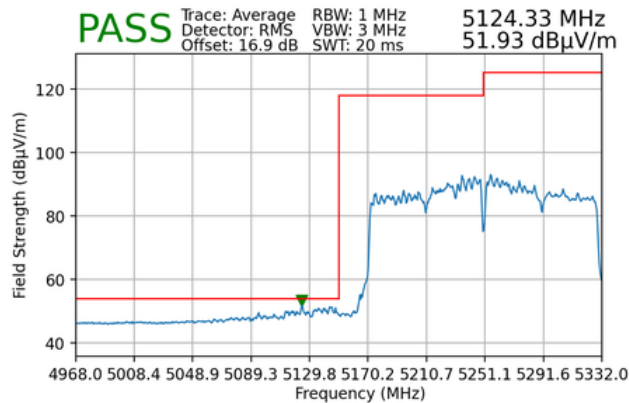


**Plot 7-138. Radiated Upper Band Edge Plot MIMO
(Peak – UNII Band 4)**

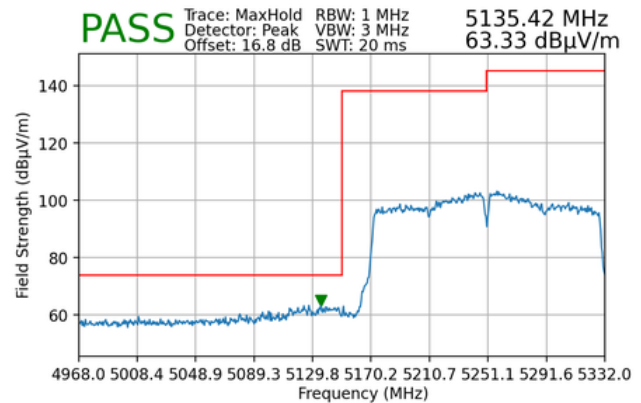
FCC ID: A3LSMG766U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-18.A3L	Test Dates: 1/6/2025 - 3/5/2025	EUT Type: Portable Handset	Page 102 of 113

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

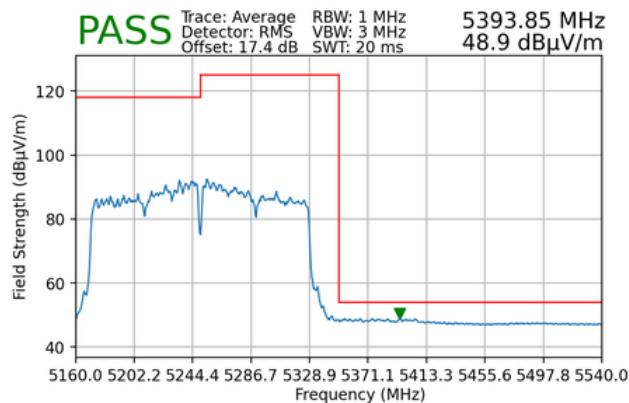


Plot 7-139. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1)

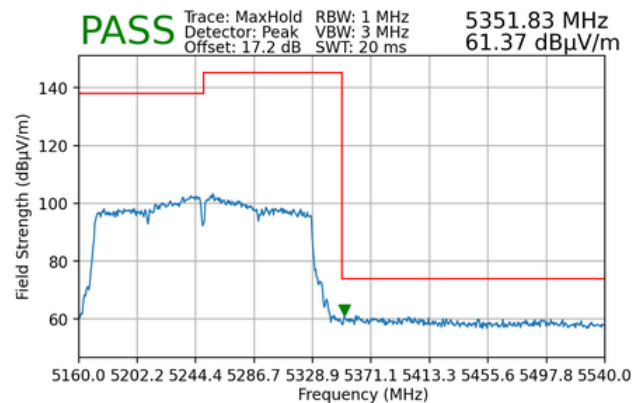


Plot 7-140. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1)

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



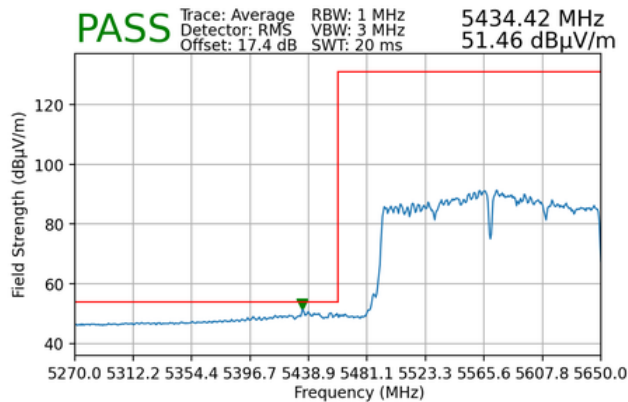
Plot 7-141. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A)



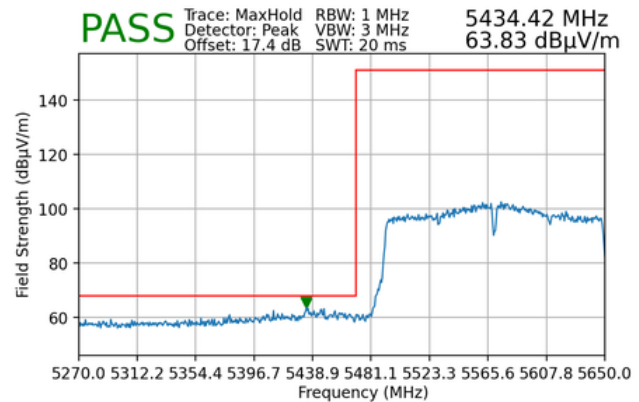
Plot 7-142. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A)

FCC ID: A3LSMG766U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-18.A3L	Test Dates: 1/6/2025 - 3/5/2025	EUT Type: Portable Handset	Page 103 of 113

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

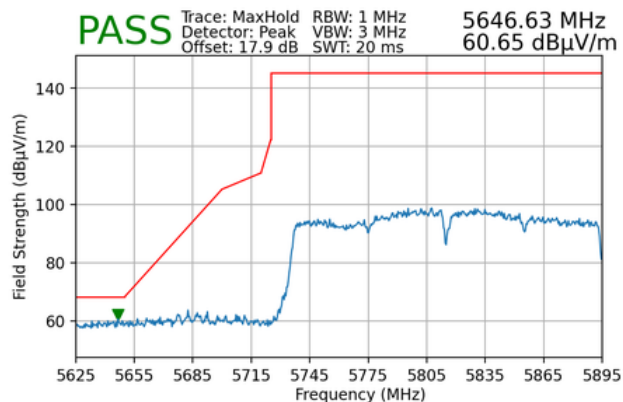


Plot 7-143. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C)



Plot 7-144. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C)

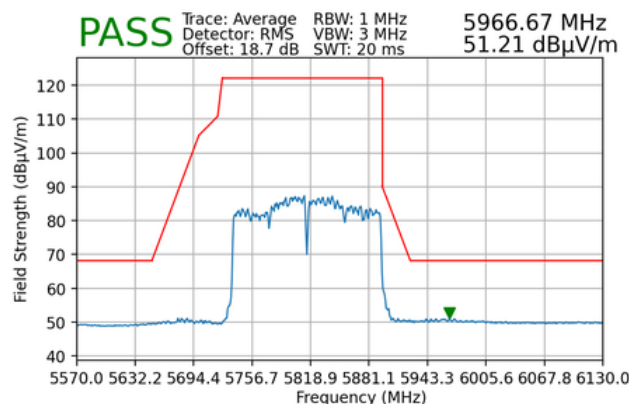
Worst Case Mode: 802.11ac
Worst Case Transfer Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 5815MHz
Channel: 163



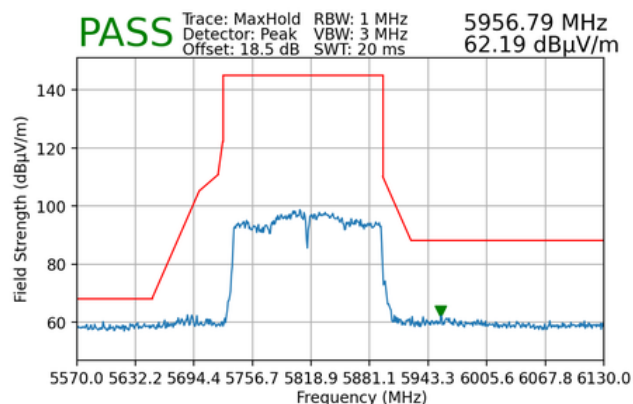
Plot 7-145. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 4)

FCC ID: A3LSMG766U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-18.A3L	Test Dates: 1/6/2025 - 3/5/2025	EUT Type: Portable Handset	Page 104 of 113

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



Plot 7-146. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 4)



Plot 7-147. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 4)

FCC ID: A3LSMG766U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-18.A3L	Test Dates: 1/6/2025 - 3/5/2025	EUT Type: Portable Handset	Page 105 of 113

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 7-25. Conducted Limits

*Decreases with the logarithm of the frequency.

Test Procedures Used

ANSI C63.10-2013, Section 6.2

Test Settings

Quasi-Peak Field Strength Measurements

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

Average Field Strength Measurements

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

FCC ID: A3LSMG766U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-18.A3L	Test Dates: 1/6/2025 - 3/5/2025	EUT Type: Portable Handset	Page 106 of 113

Test Setup

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

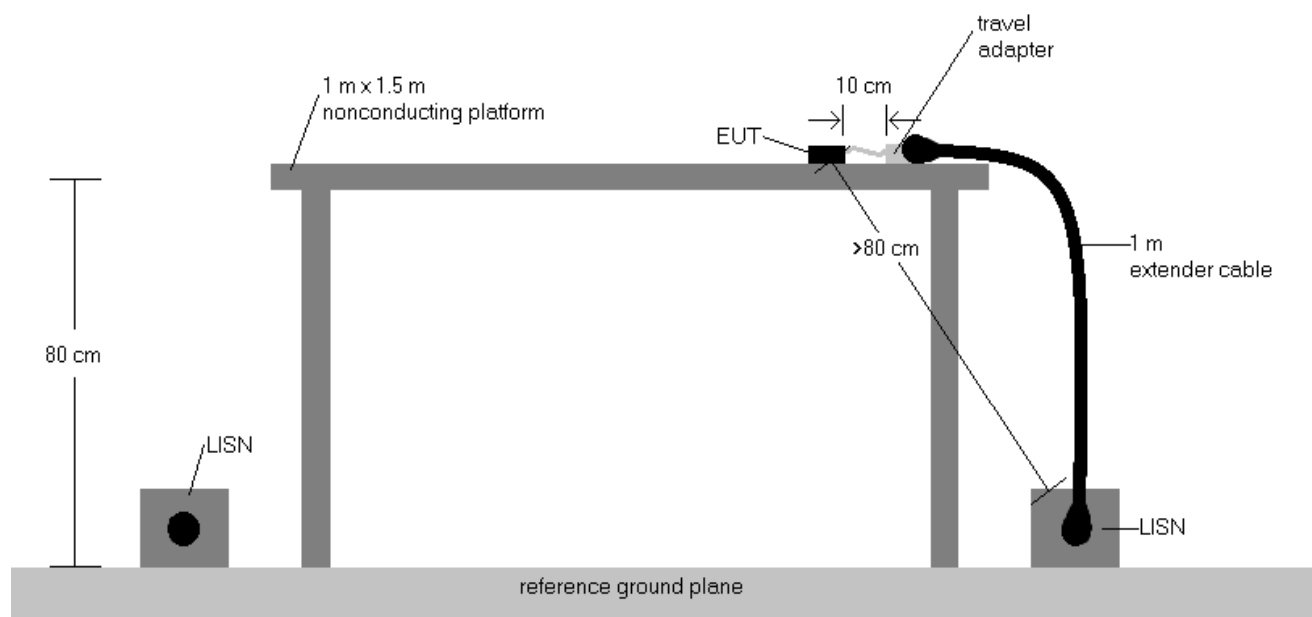
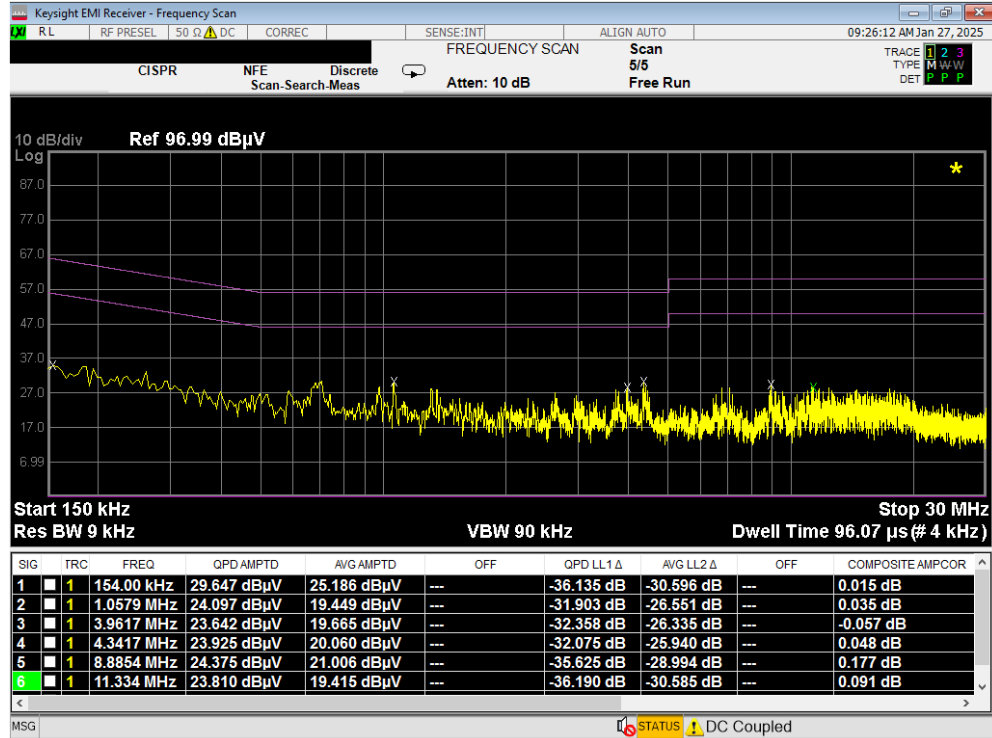


Figure 7-8. Test Instrument & Measurement Setup

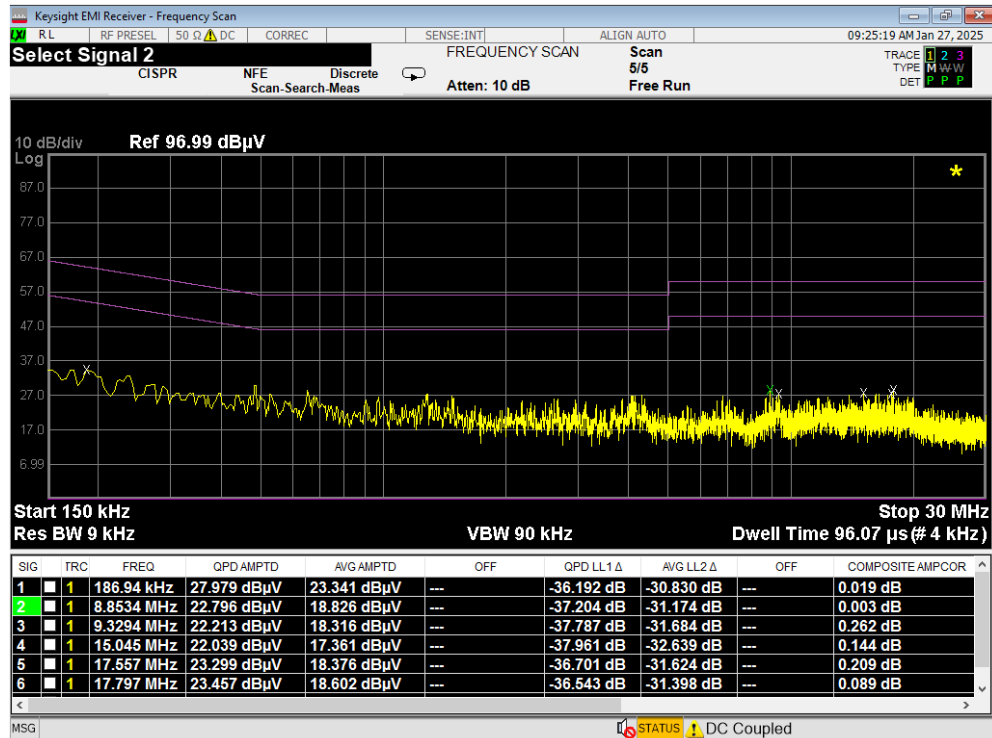
Test Notes

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: A3LSMG766U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-18.A3L	Test Dates: 1/6/2025 - 3/5/2025	EUT Type: Portable Handset	Page 107 of 113

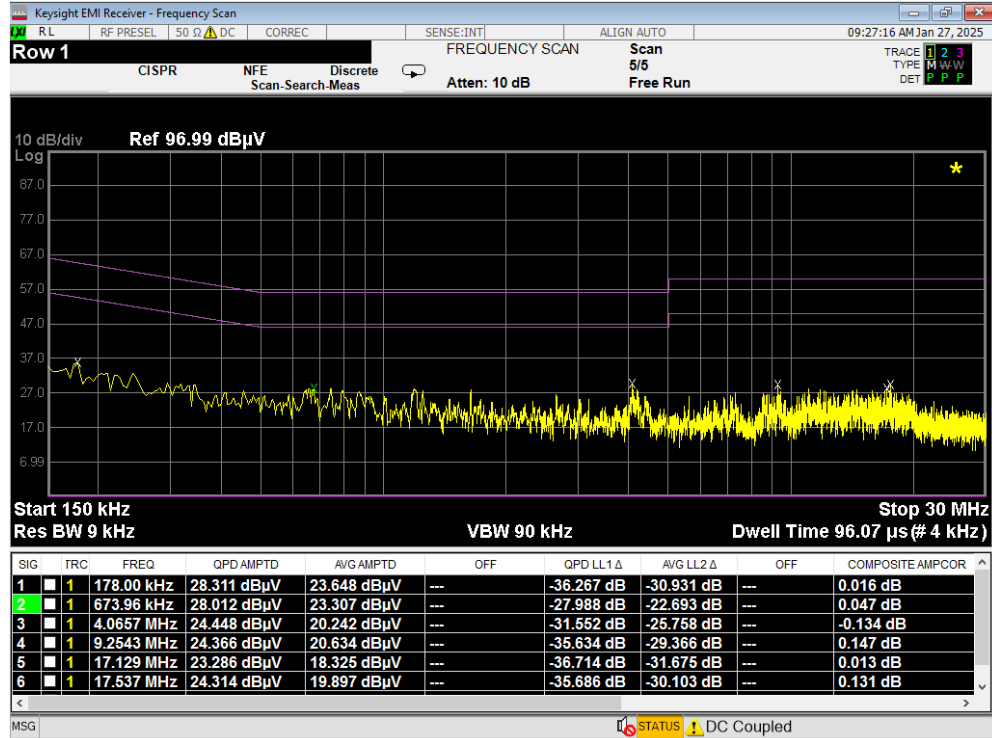


Plot 7-148. Line Conducted Plot with 802.11a UNII Band 1 (L1)

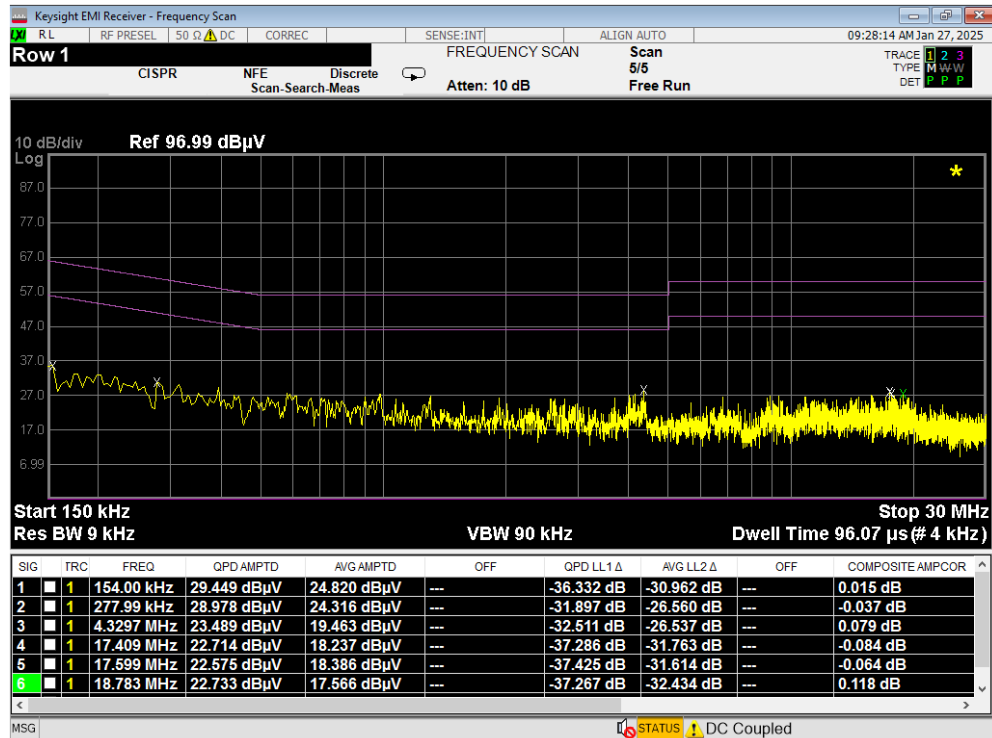


Plot 7-149. Line Conducted Plot with 802.11a UNII Band 1 (N)

FCC ID: A3LSMG766U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-18.A3L	Test Dates: 1/6/2025 - 3/5/2025	EUT Type: Portable Handset	Page 108 of 113

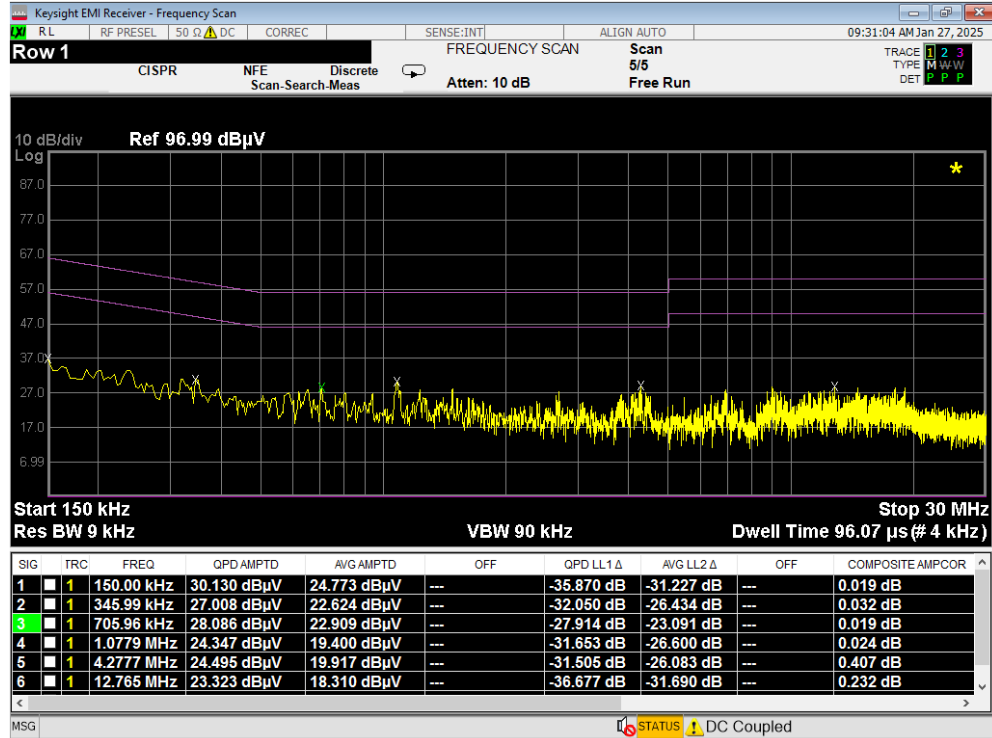


Plot 7-150. Line Conducted Plot with 802.11a UNII Band 2A (L1)

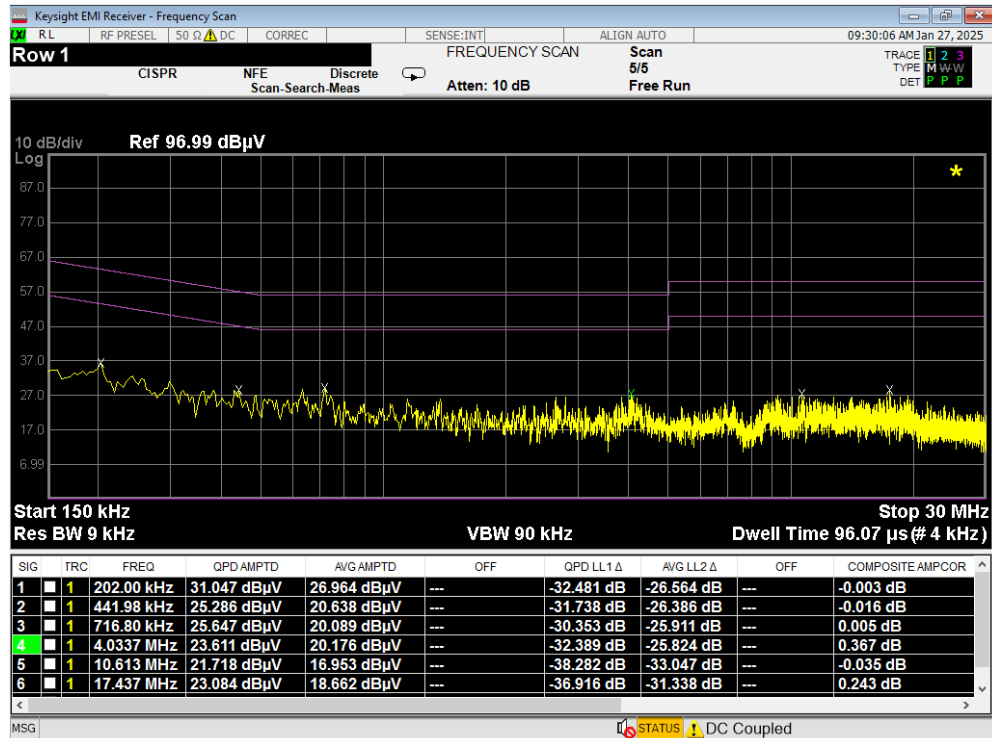


Plot 7-151. Line Conducted Plot with 802.11a UNII Band 2A (N)

FCC ID: A3LSMG766U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-18.A3L	Test Dates: 1/6/2025 - 3/5/2025	EUT Type: Portable Handset	Page 109 of 113

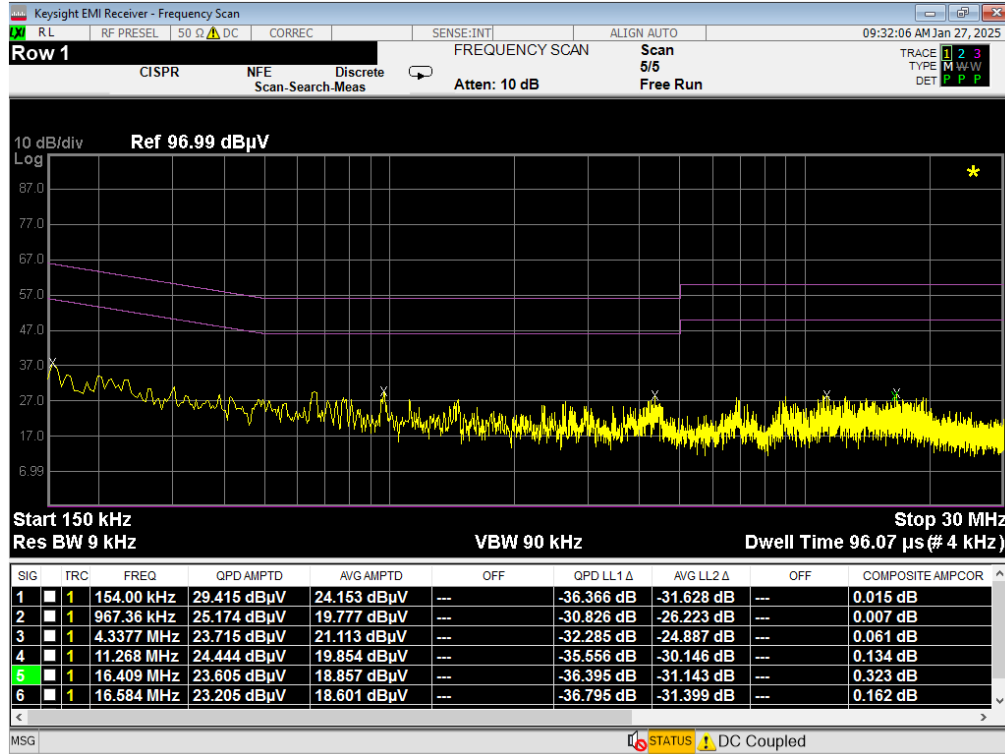


Plot 7-152. Line Conducted Plot with 802.11a UNII Band 2C (L1)

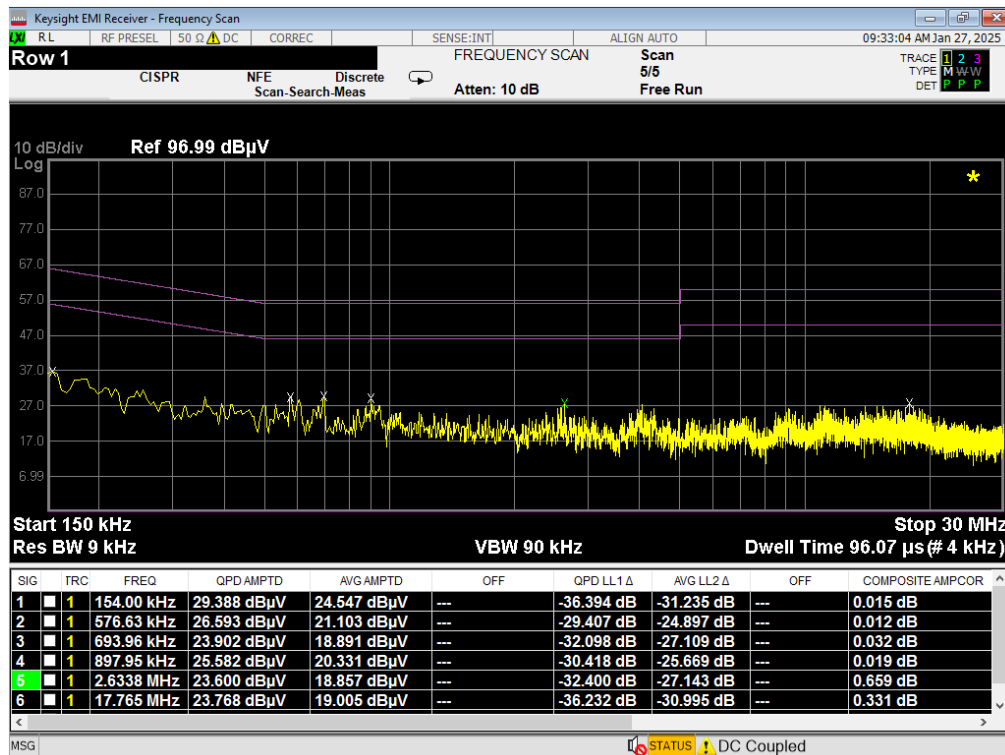


Plot 7-153. Line Conducted Plot with 802.11a UNII Band 2C (N)

FCC ID: A3LSMG766U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-18.A3L	Test Dates: 1/6/2025 - 3/5/2025	EUT Type: Portable Handset	Page 110 of 113

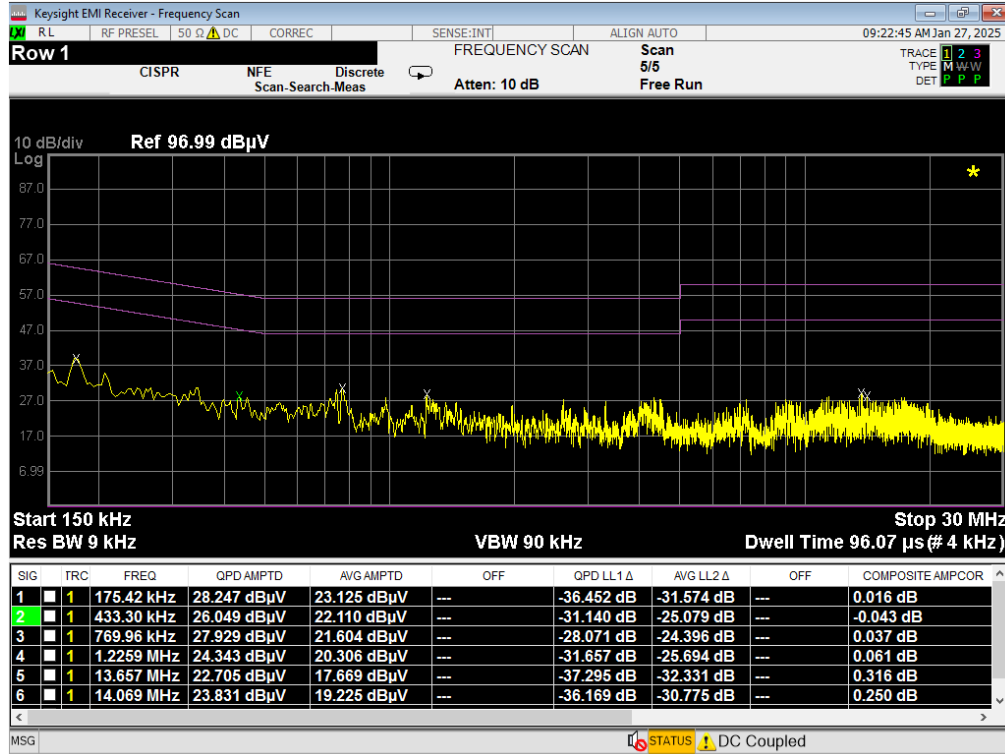


Plot 7-154. Line Conducted Plot with 802.11a UNII Band 3 (L1)

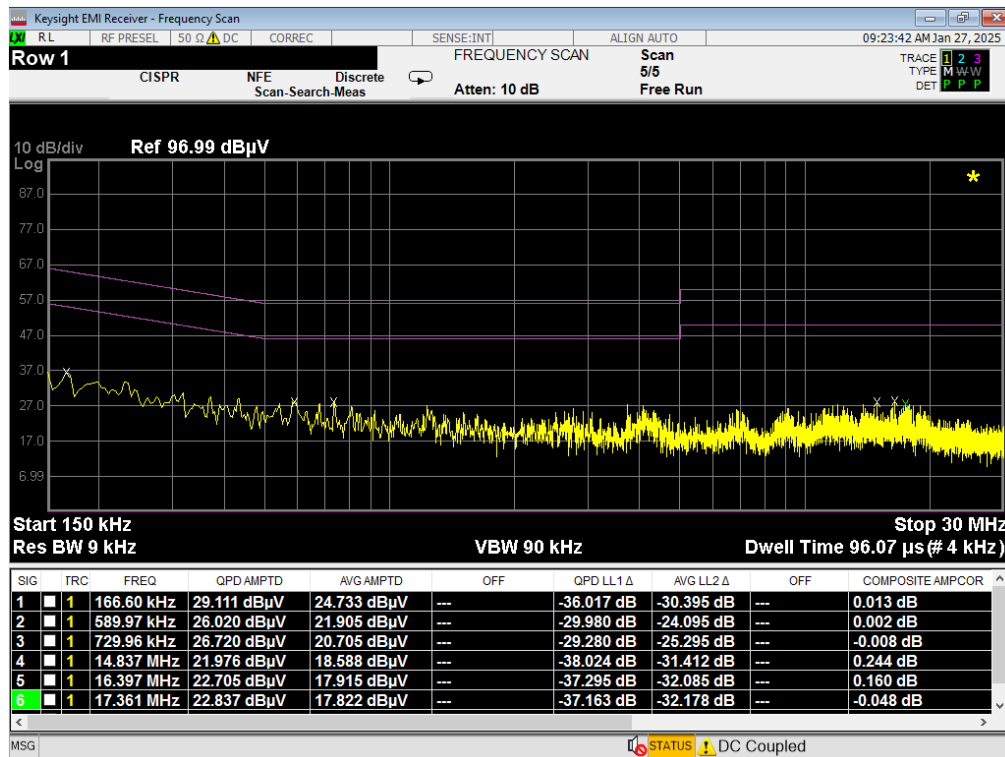


Plot 7-155. Line Conducted Plot with 802.11a UNII Band 3 (N)

FCC ID: A3LSMG766U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-18.A3L	Test Dates: 1/6/2025 - 3/5/2025	EUT Type: Portable Handset	Page 111 of 113



Plot 7-156. Line Conducted Plot with 802.11a UNII Band 4 (L1)



Plot 7-157. Line Conducted Plot with 802.11a UNII Band 4 (N)

FCC ID: A3LSMG766U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-18.A3L	Test Dates: 1/6/2025 - 3/5/2025	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: A3LSMG766U** is in compliance with Part 15 Subpart E (15.407) of the FCC Rules.

FCC ID: A3LSMG766U	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-18.A3L	Test Dates: 1/6/2025 - 3/5/2025	EUT Type: Portable Handset	Page 113 of 113