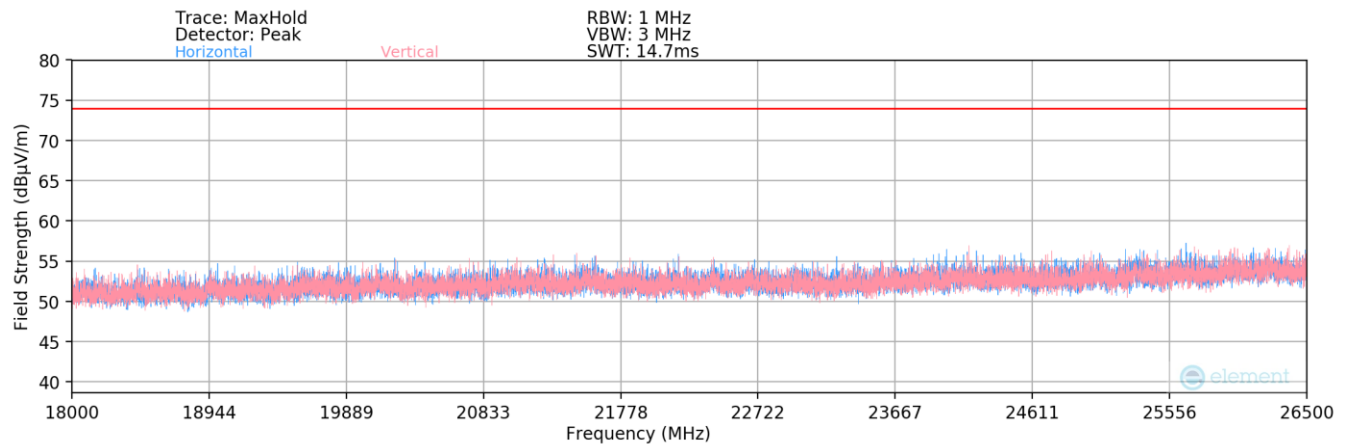
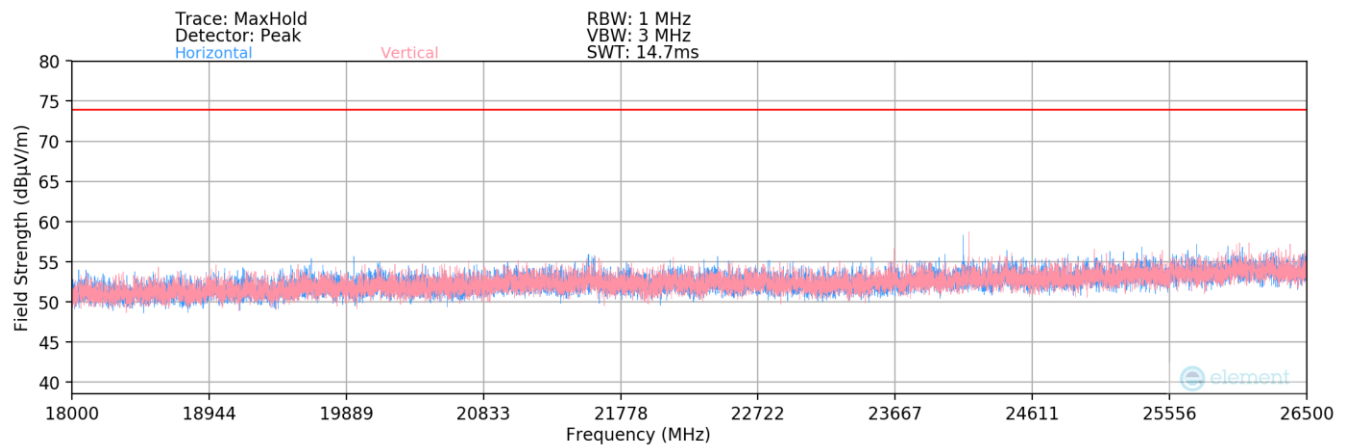


SISO Antenna-1 Radiated Spurious Emissions Measurements (Above 18GHz)



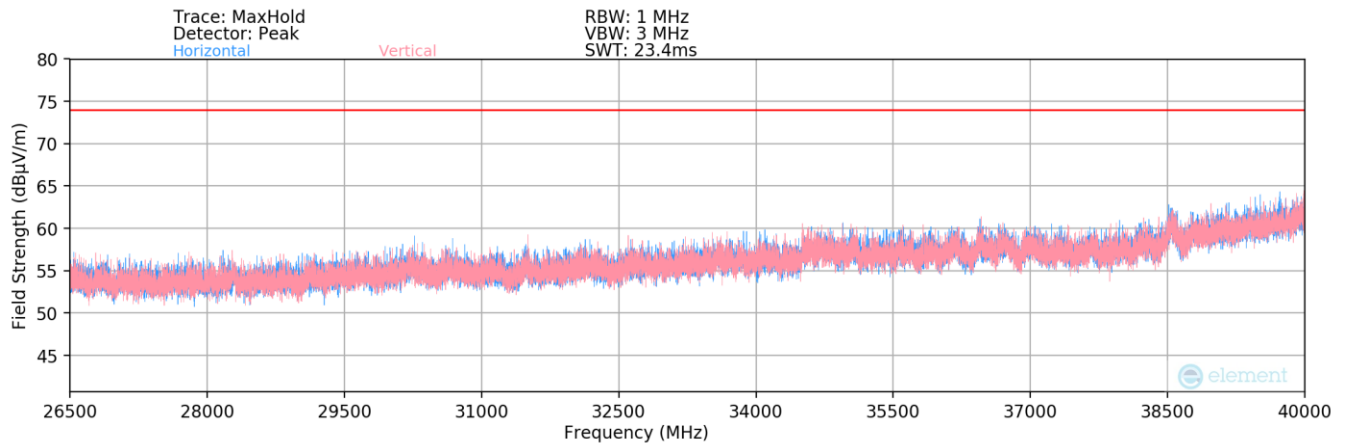
Plot 7-379. Radiated Spurious Plot 18GHz - 26.5GHz SISO ANT1 (802.11a) – Closed



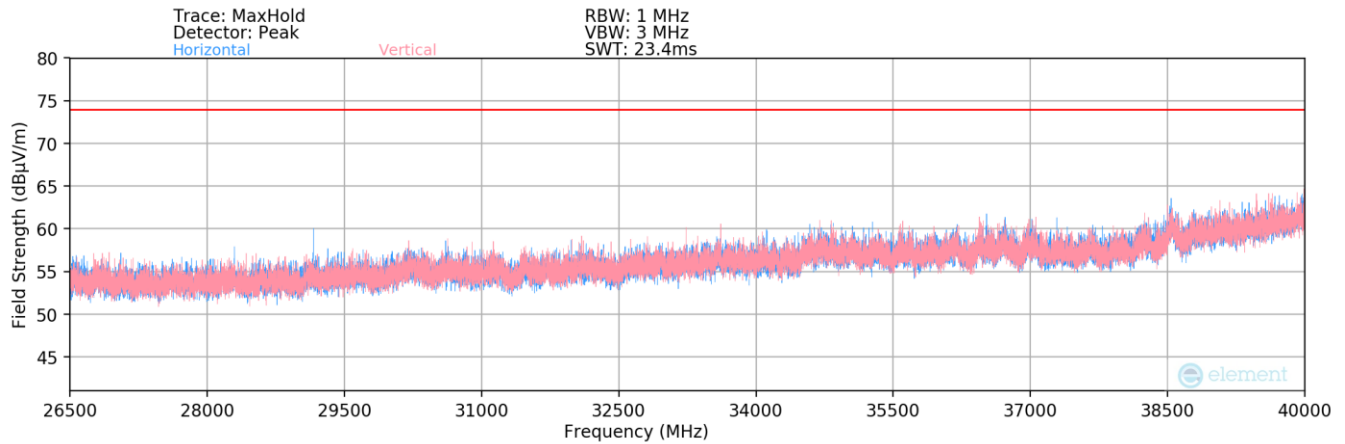
Plot 7-380. Radiated Spurious Plot 18GHz - 26.5GHz SISO ANT1 (802.11a) – Half Open

FCC ID: A3LSMF721U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204080051-14-R1.A3L	Test Dates: 4/8/2022 – 7/12/2022	EUT Type: Portable Handset	Page 236 of 304

V9.0 02/01/2019



Plot 7-381. Radiated Spurious Plot 26.5GHz - 40GHz SISO ANT1 (802.11a) – Closed



Plot 7-382. Radiated Spurious Plot 26.5GHz - 40GHz SISO ANT1 (802.11a) – Half Open

FCC ID: A3LSMF721U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204080051-14-R1.A3L	Test Dates: 4/8/2022 – 7/12/2022	EUT Type: Portable Handset	Page 237 of 304

V9.0 02/01/2019

SISO Antenna-1 Radiated Spurious Emission Measurements

§15.407(b) §15.205 & §15.209; RSS-Gen [8.9]

Worst Case Mode: 802.11a
Worst Case Transfer Rate: 6Mbps
Distance of Measurements: 1 & 3 Meters
Operating Frequency: 5180MHz
Channel: 36

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]
10360.00	Peak	V	278	38	-63.83	11.85	0.00	55.02	68.20	-13.18
* 15540.00	Average	V	-	-	-80.42	16.63	0.00	43.21	53.98	-10.77
* 15540.00	Peak	V	-	-	-68.16	16.63	0.00	55.47	73.98	-18.51
* 20720.00	Average	V	-	-	-67.51	3.16	-9.54	33.11	53.98	-20.87
* 20720.00	Peak	V	-	-	-59.01	3.16	-9.54	41.61	73.98	-32.37
25900.00	Peak	V	-	-	-56.26	4.77	-9.54	45.97	68.20	-22.23

Table 7-33. Radiated Measurements SISO ANT1 – Closed

Worst Case Mode: 802.11a
Worst Case Transfer Rate: 6Mbps
Distance of Measurements: 1 & 3 Meters
Operating Frequency: 5200MHz
Channel: 40

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]
10400.00	Peak	V	310	72	-63.94	11.49	0.00	54.55	68.20	-13.65
* 15600.00	Average	V	-	-	-80.21	16.85	0.00	43.64	53.98	-10.34
* 15600.00	Peak	V	-	-	-68.55	16.85	0.00	55.30	73.98	-18.68
* 20800.00	Average	V	-	-	-66.32	3.48	-9.54	34.62	53.98	-19.36
* 20800.00	Peak	V	-	-	-58.27	3.48	-9.54	42.67	73.98	-31.31
26000.00	Peak	V	-	-	-56.67	5.16	-9.54	45.95	68.20	-22.25

Table 7-34. Radiated Measurements SISO ANT1 – Closed

FCC ID: A3LSMF721U	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1M2204080051-14-R1.A3L	Test Dates: 4/8/2022 – 7/12/2022	EUT Type: Portable Handset		Page 238 of 304

V9.0 02/01/2019

Worst Case Mode: 802.11a
Worst Case Transfer Rate: 6Mbps
Distance of Measurements: 1 & 3 Meters
Operating Frequency: 5240MHz
Channel: 48

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]
10480.00	Peak	V	265	332	-68.02	12.01	0.00	50.99	68.20	-17.21
* 15720.00	Average	V	-	-	-80.36	17.21	0.00	43.85	53.98	-10.13
* 15720.00	Peak	V	-	-	-69.04	17.21	0.00	55.17	73.98	-18.81
* 20960.00	Average	V	-	-	-67.26	3.47	-9.54	33.68	53.98	-20.30
* 20960.00	Peak	V	-	-	-58.88	3.47	-9.54	42.06	73.98	-31.92
26200.00	Peak	V	-	-	-55.58	4.78	-9.54	46.66	68.20	-21.54

Table 7-35. Radiated Measurements SISO ANT1 – Closed

Worst Case Mode: 802.11a
Worst Case Transfer Rate: 6Mbps
Distance of Measurements: 1 & 3 Meters
Operating Frequency: 5260MHz
Channel: 52

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]
10520.00	Peak	V	345	303	-64.02	12.54	0.00	55.52	68.20	-12.68
* 15780.00	Average	V	-	-	-80.48	17.03	0.00	43.55	53.98	-10.43
* 15780.00	Peak	V	-	-	-68.53	17.03	0.00	55.50	73.98	-18.48
* 21040.00	Average	V	-	-	-66.57	3.53	-9.54	34.42	53.98	-19.56
* 21040.00	Peak	V	-	-	-56.95	3.53	-9.54	44.04	73.98	-29.94
26300.00	Peak	V	-	-	-55.79	4.64	-9.54	46.30	68.20	-21.90

Table 7-36. Radiated Measurements SISO ANT1 – Closed

FCC ID: A3LSMF721U	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1M2204080051-14-R1.A3L	Test Dates: 4/8/2022 – 7/12/2022	EUT Type: Portable Handset		Page 239 of 304

Worst Case Mode: 802.11a
 Worst Case Transfer Rate: 6Mbps
 Distance of Measurements: 1 & 3 Meters
 Operating Frequency: 5280MHz
 Channel: 56

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]
10560.00	Peak	V	352	305	-64.32	12.39	0.00	55.07	68.20	-13.13
* 15840.00	Average	V	-	-	-80.46	16.71	0.00	43.25	53.98	-10.73
* 15840.00	Peak	V	-	-	-68.59	16.71	0.00	55.12	73.98	-18.86
* 21120.00	Average	V	-	-	-67.14	3.68	-9.54	34.00	53.98	-19.98
* 21120.00	Peak	V	-	-	-55.95	3.68	-9.54	45.19	73.98	-28.79
26400.00	Peak	V	-	-	-57.88	4.78	-9.54	44.36	68.20	-23.84

Table 7-37. Radiated Measurements SISO ANT1 – Closed

Worst Case Mode: 802.11a
 Worst Case Transfer Rate: 6Mbps
 Distance of Measurements: 1 & 3 Meters
 Operating Frequency: 5320MHz
 Channel: 64

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]
* 10640.00	Average	V	286	219	-76.56	12.36	0.00	42.80	53.98	-11.18
* 10640.00	Peak	V	344	307	-64.60	12.36	0.00	54.76	73.98	-19.22
* 15960.00	Average	V	-	-	-80.84	18.25	0.00	44.41	53.98	-9.57
* 15960.00	Peak	V	-	-	-68.56	18.25	0.00	56.69	73.98	-17.29
* 21280.00	Average	V	-	-	-66.83	3.72	-9.54	34.35	53.98	-19.63
* 21280.00	Peak	V	-	-	-58.21	3.72	-9.54	42.97	73.98	-31.01
26600.00	Peak	V	-	-	-56.48	4.72	-9.54	45.69	68.20	-22.51

Table 7-38. Radiated Measurements SISO ANT1 – Closed

FCC ID: A3LSMF721U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204080051-14-R1.A3L	Test Dates: 4/8/2022 – 7/12/2022	EUT Type: Portable Handset	Page 240 of 304

Worst Case Mode: 802.11a
 Worst Case Transfer Rate: 6Mbps
 Distance of Measurements: 1 & 3 Meters
 Operating Frequency: 5500MHz
 Channel: 100

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]
* 11000.00	Average	V	285	313	-76.54	12.61	0.00	43.07	53.98	-10.91
* 11000.00	Peak	V	285	313	-63.97	12.61	0.00	55.64	73.98	-18.34
16500.00	Peak	V	-	-	-68.37	18.00	0.00	56.63	68.20	-11.57
22000.00	Peak	V	-	-	-56.76	3.83	-9.54	44.53	68.20	-23.67
27500.00	Peak	V	-	-	-57.19	4.97	-9.54	45.24	68.20	-22.96

Table 7-39. Radiated Measurements SISO ANT1 – Closed

Worst Case Mode: 802.11a
 Worst Case Transfer Rate: 6Mbps
 Distance of Measurements: 1 & 3 Meters
 Operating Frequency: 5600MHz
 Channel: 120

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
* 11000.00	Average	V	285	313	-76.54	12.61	0.00	43.07	53.98	-10.91
* 11000.00	Peak	V	285	313	-63.97	12.61	0.00	55.64	73.98	-18.34
16500.00	Peak	V	-	-	-68.37	18.00	0.00	56.63	68.20	-11.57
22000.00	Peak	V	-	-	-56.76	3.83	-9.54	44.53	68.20	-23.67
27500.00	Peak	V	-	-	-57.19	4.97	-9.54	45.24	68.20	-22.96

Table 7-40. Radiated Measurements SISO ANT1 – Closed

FCC ID: A3LSMF721U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204080051-14-R1.A3L	Test Dates: 4/8/2022 – 7/12/2022	EUT Type: Portable Handset	Page 241 of 304

Worst Case Mode: 802.11a
Worst Case Transfer Rate: 6Mbps
Distance of Measurements: 1 & 3 Meters
Operating Frequency: 5720MHz
Channel: 144

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]
* 11440.00	Average	V	292	91	-77.27	12.91	0.00	42.64	53.98	-11.33
* 11440.00	Peak	V	292	91	-64.35	12.91	0.00	55.56	73.98	-18.41
17160.00	Peak	V	-	-	-68.00	17.87	0.00	56.87	68.20	-11.33
* 22880.00	Average	V	-	-	-67.19	3.79	-9.54	34.07	53.98	-19.91
* 22880.00	Peak	V	-	-	-57.41	3.79	-9.54	43.84	73.98	-30.14
28600.00	Peak	V	-	-	-56.66	5.28	-9.54	46.07	68.20	-22.13

Table 7-41. Radiated Measurements SISO ANT1 – Closed

Worst Case Mode: 802.11a
Worst Case Transfer Rate: 6Mbps
Distance of Measurements: 1 & 3 Meters
Operating Frequency: 5745MHz
Channel: 149

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]
* 11490.00	Average	V	272	241	-77.04	13.32	0.00	43.28	53.98	-10.69
* 11490.00	Peak	V	272	241	-64.72	13.32	0.00	55.60	73.98	-18.37
17235.00	Peak	V	-	-	-68.58	17.85	0.00	56.27	68.20	-11.93
* 22980.00	Average	V	-	-	-67.49	3.79	-9.54	33.76	53.98	-20.22
* 22980.00	Peak	V	-	-	-57.55	3.79	-9.54	43.70	73.98	-30.28
28725.00	Peak	V	-	-	-59.23	5.41	-9.54	43.64	68.20	-24.56

Table 7-42. Radiated Measurements SISO ANT1 – Closed

FCC ID: A3LSMF721U	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1M2204080051-14-R1.A3L	Test Dates: 4/8/2022 – 7/12/2022	EUT Type: Portable Handset		Page 242 of 304

Worst Case Mode: 802.11a
 Worst Case Transfer Rate: 6Mbps
 Distance of Measurements: 1 & 3 Meters
 Operating Frequency: 5785MHz
 Channel: 157

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]
* 11570.00	Average	V	287	178	-77.82	12.93	0.00	42.11	53.98	-11.87
* 11570.00	Peak	V	287	178	-64.37	12.93	0.00	55.56	73.98	-18.42
17355.00	Peak	V	-	-	-68.37	18.36	0.00	56.99	68.20	-11.21
23140.00	Peak	V	-	-	-56.53	3.75	-9.54	44.68	68.20	-23.52
28925.00	Peak	V	-	-	-58.39	5.46	-9.54	44.53	68.20	-23.67

Table 7-43. Radiated Measurements SISO ANT1 – Closed

Worst Case Mode: 802.11a
 Worst Case Transfer Rate: 6Mbps
 Distance of Measurements: 1 & 3 Meters
 Operating Frequency: 5825MHz
 Channel: 165

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]
* 11650.00	Average	V	396	90	-78.60	13.82	0.00	42.22	53.98	-11.76
* 11650.00	Peak	V	396	90	-66.27	13.82	0.00	54.55	73.98	-19.43
17475.00	Peak	V	-	-	-67.86	17.74	0.00	56.88	68.20	-11.32
23300.00	Peak	V	-	-	-57.31	3.76	-9.54	43.91	68.20	-24.29
29125.00	Peak	V	-	-	-56.54	5.54	-9.54	46.46	68.20	-21.74

Table 7-44. Radiated Measurements SISO ANT1 – Closed

FCC ID: A3LSMF721U	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1M2204080051-14-R1.A3L	Test Dates: 4/8/2022 – 7/12/2022	EUT Type: Portable Handset		Page 243 of 304

Worst Case Mode: 802.11a
 Worst Case Transfer Rate: 6Mbps
 Distance of Measurements: 1 & 3 Meters
 Operating Frequency: 5845MHz
 Channel: 169

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]
* 11690.00	Average	V	292	189	-80.19	13.95	0.00	40.76	53.98	-13.22
* 11690.00	Peak	V	292	189	-68.09	13.95	0.00	52.86	73.98	-21.12
17535.00	Peak	V	-	-	-68.27	18.12	0.00	56.85	68.20	-11.35
23380.00	Peak	V	-	-	-55.89	3.85	-9.54	45.42	68.20	-22.78
29225.00	Peak	V	-	-	-59.44	5.60	-9.54	43.62	68.20	-24.58
35070.00	Peak	V	-	-	-55.08	8.11	-9.54	50.49	68.20	-17.71

Table 7-45. Radiated Measurements SISO ANT1 – Closed

Worst Case Mode: 802.11a
 Worst Case Transfer Rate: 6Mbps
 Distance of Measurements: 1 & 3 Meters
 Operating Frequency: 5865MHz
 Channel: 173

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]
* 11730.00	Average	V	-	-	-80.70	14.16	0.00	40.46	53.98	-13.52
* 11730.00	Peak	V	-	-	-78.51	14.16	0.00	42.65	73.98	-31.33
17595.00	Peak	V	-	-	-68.68	18.19	0.00	56.51	68.20	-11.69
23460.00	Peak	V	-	-	-56.87	3.85	-9.54	44.45	68.20	-23.75
29325.00	Peak	V	-	-	-55.72	5.85	-9.54	47.59	68.20	-20.61
35190.00	Peak	V	-	-	-55.68	8.16	-9.54	49.94	68.20	-18.26

Table 7-46. Radiated Measurements SISO ANT1 – Closed

FCC ID: A3LSMF721U	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1M2204080051-14-R1.A3L	Test Dates: 4/8/2022 – 7/12/2022	EUT Type: Portable Handset		Page 244 of 304

Worst Case Mode: 802.11a
 Worst Case Transfer Rate: 6Mbps
 Distance of Measurements: 1 & 3 Meters
 Operating Frequency: 5885MHz
 Channel: 177

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]
* 11770.00	Average	V	357	89	-79.02	14.19	0.00	42.17	53.98	-11.81
* 11770.00	Peak	V	357	89	-67.02	14.19	0.00	54.17	73.98	-19.81
17655.00	Peak	V	-	-	-67.94	18.07	0.00	57.13	68.20	-11.07
23540.00	Peak	V	-	-	-58.38	3.84	-9.54	42.92	68.20	-25.28
29425.00	Peak	V	-	-	-56.00	5.87	-9.54	47.33	68.20	-20.87
35310.00	Peak	V	-	-	-57.73	8.04	-9.54	47.77	68.20	-20.43

Table 7-47. Radiated Measurements SISO ANT1 – Closed

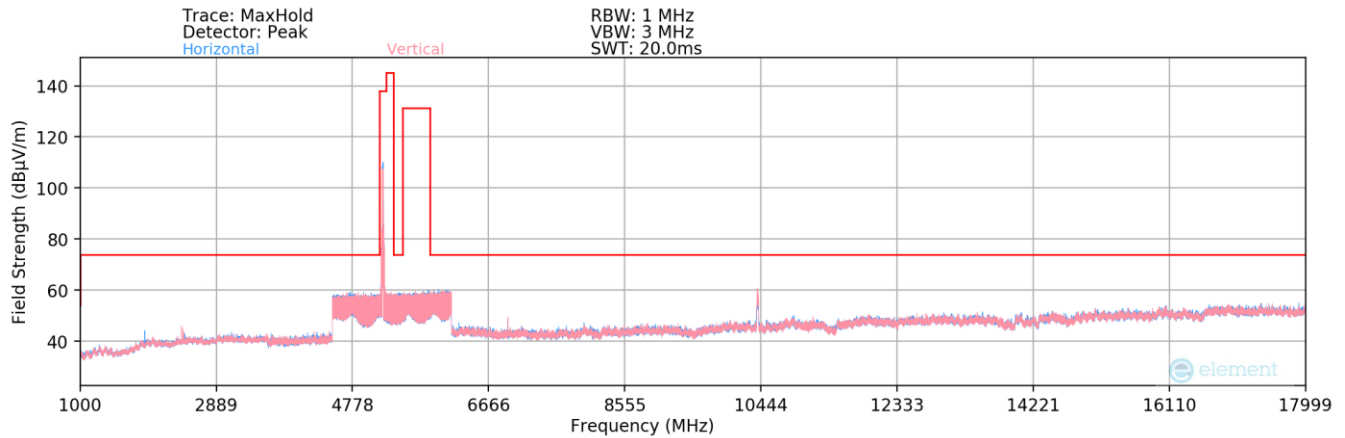
Worst Case Mode: 802.11a
 Worst Case Transfer Rate: 6Mbps
 Distance of Measurements: 1 & 3 Meters
 Operating Frequency: 5600MHz
 Channel: 120

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
* 11200.00	Average	V	244	341	-77.23	12.49	0.00	42.26	53.98	-11.72
* 11200.00	Peak	V	244	341	-65.33	12.49	0.00	54.16	73.98	-19.82
16800.00	Peak	V	-	-	-68.70	18.32	0.00	56.62	68.20	-11.58
* 22400.00	Average	V	-	-	-67.82	3.79	-9.54	33.43	53.98	-20.55
* 22400.00	Peak	V	-	-	-58.07	3.79	-9.54	43.18	73.98	-30.80
28000.00	Peak	V	-	-	-58.42	4.94	-9.54	43.98	68.20	-24.22

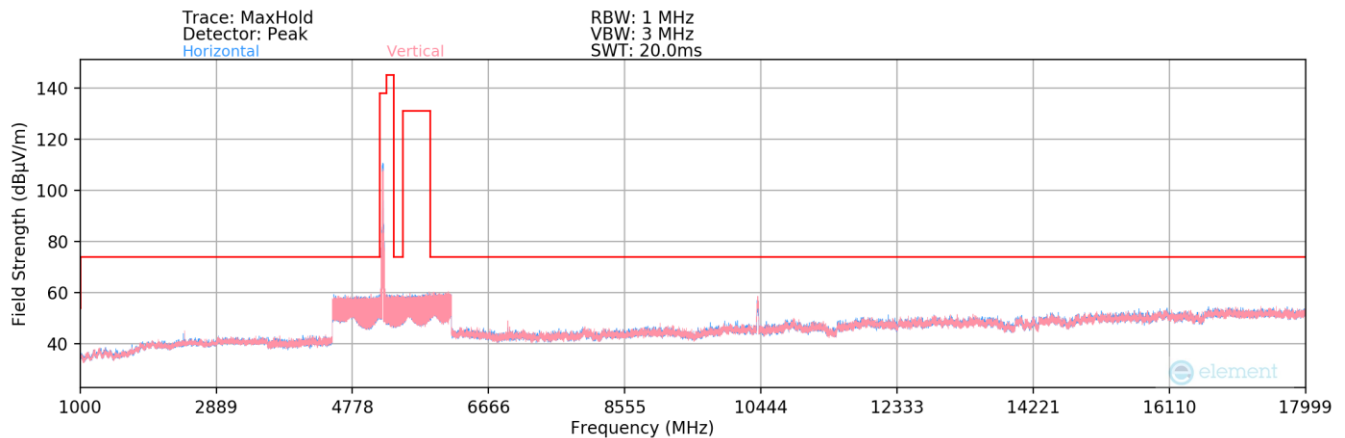
Table 7-48. Radiated Measurements SISO ANT1 with WCP

FCC ID: A3LSMF721U	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1M2204080051-14-R1.A3L	Test Dates: 4/8/2022 – 7/12/2022	EUT Type: Portable Handset		Page 245 of 304

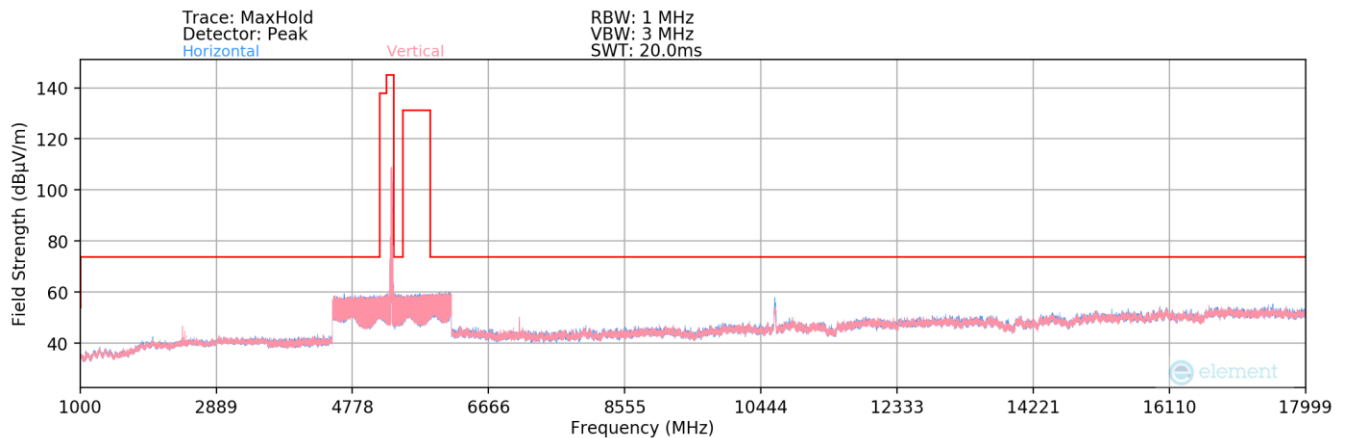
7.6.2 MIMO Radiated Spurious Emission Measurements



Plot 7-383. Radiated Spurious Plot above 1GHz MIMO (802.11a – U1 Ch. 40) – Open



Plot 7-384. Radiated Spurious Plot above 1GHz MIMO (802.11a – U1 Ch. 40) – Half Open

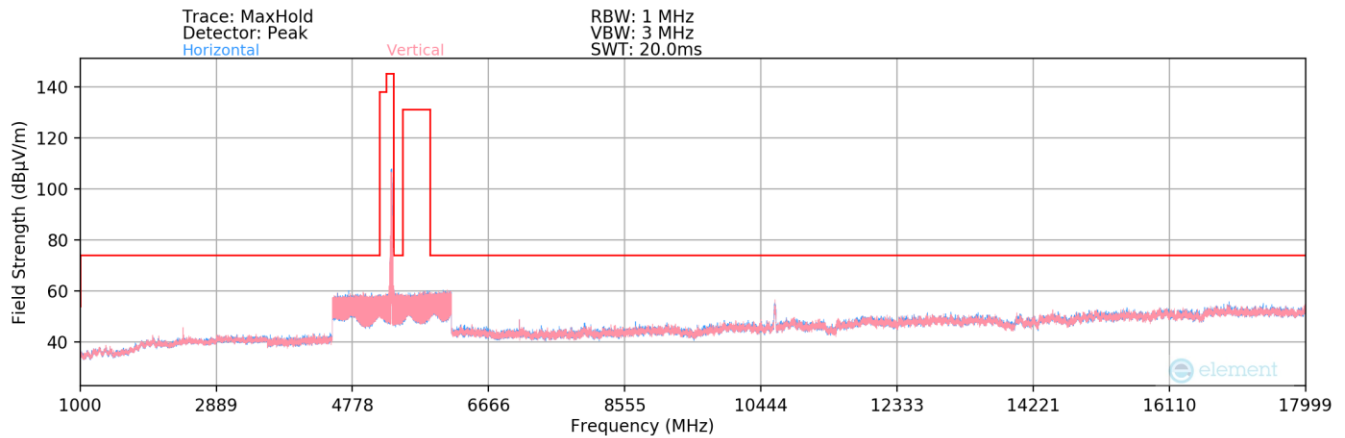


Plot 7-385. Radiated Spurious Plot above 1GHz MIMO (802.11a – U2A Ch. 56) – Open

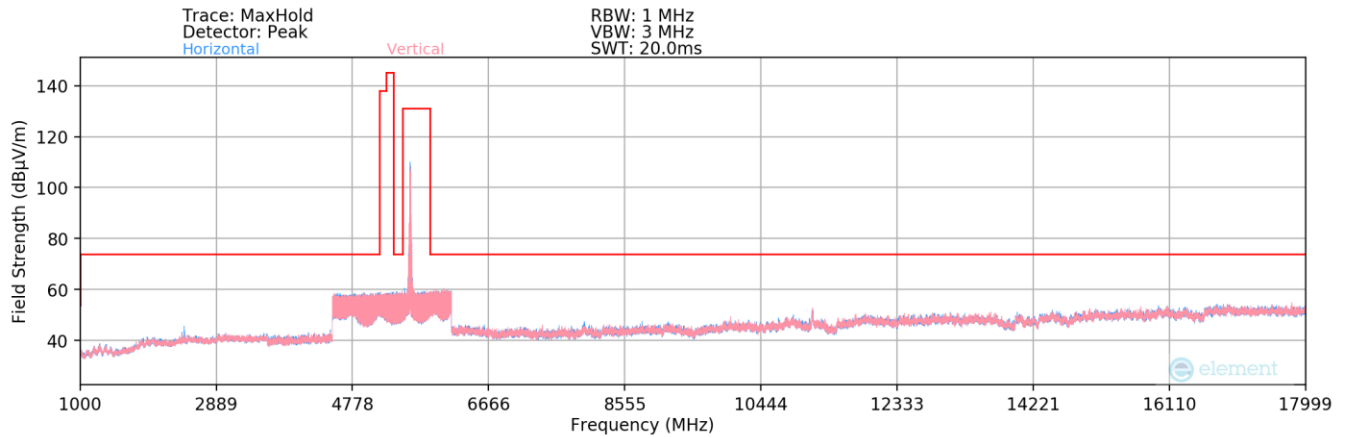
FCC ID: A3LSMF721U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204080051-14-R1.A3L	Test Dates: 4/8/2022 – 7/12/2022	EUT Type: Portable Handset	Page 246 of 304

V9.0 02/01/2019

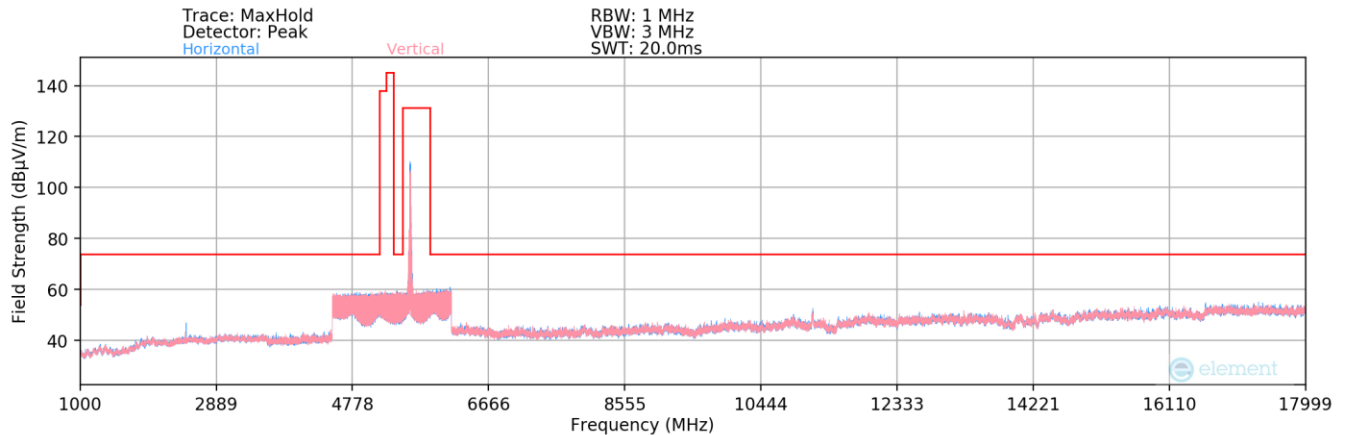
Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without written permission from Element. If you have any questions about this or have an inquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-386. Radiated Spurious Plot above 1GHz MIMO (802.11a – U2A Ch. 56) – Half Open

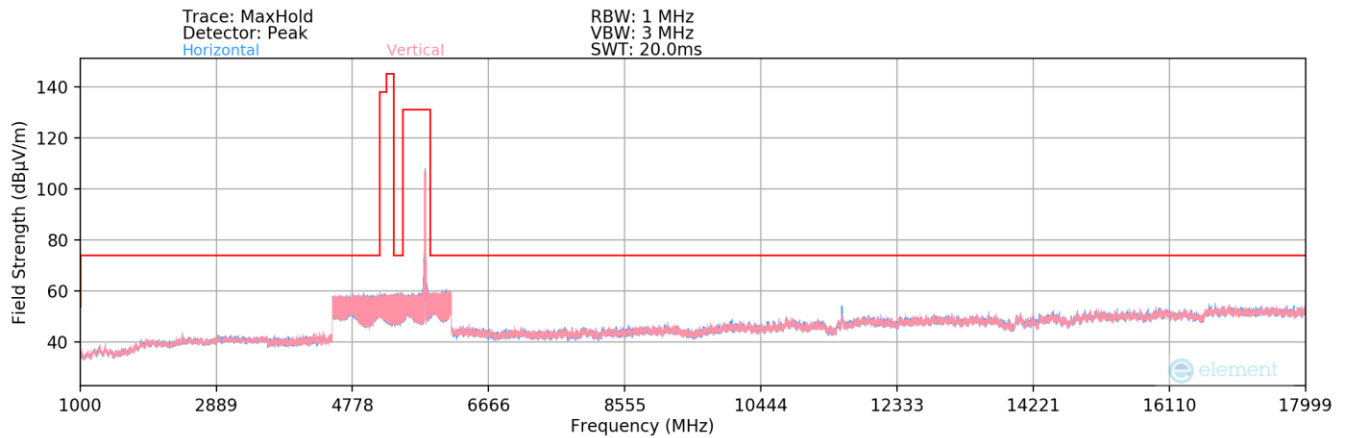


Plot 7-387. Radiated Spurious Plot above 1GHz MIMO (802.11a – U2C Ch. 120) – Open

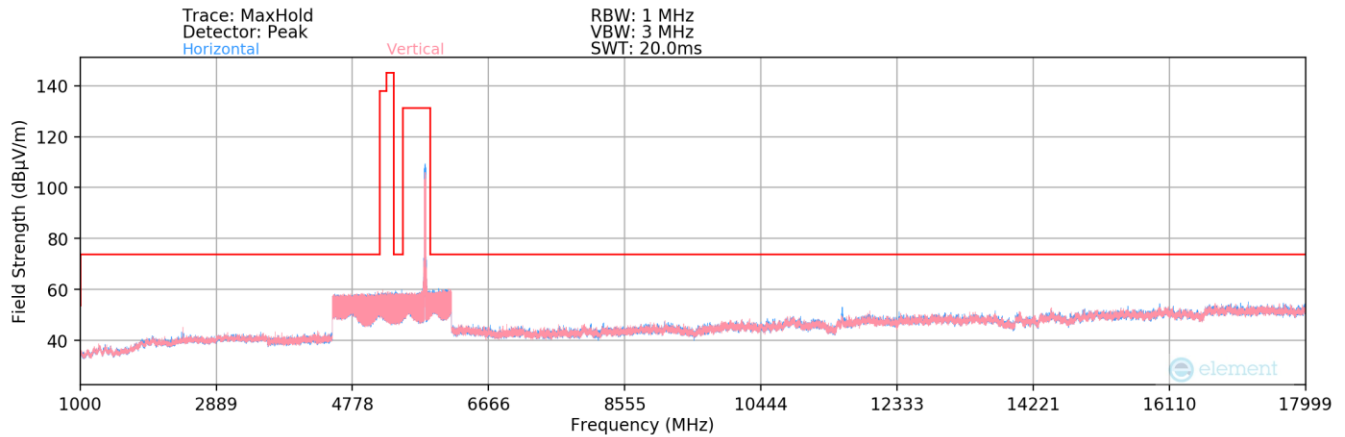


Plot 7-388. Radiated Spurious Plot above 1GHz MIMO (802.11a – U2C Ch. 120) – Half Open

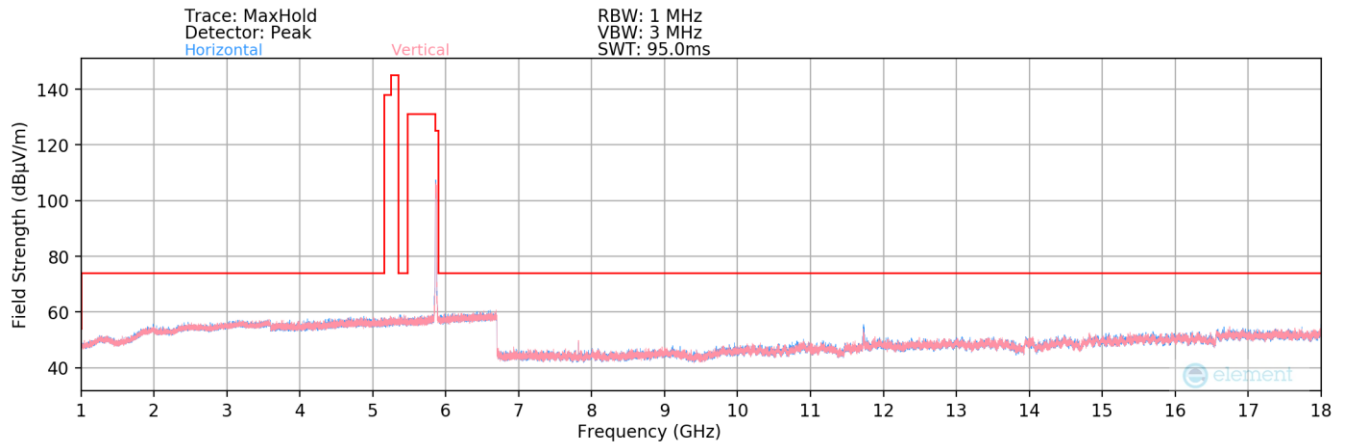
FCC ID: A3LSMF721U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204080051-14-R1.A3L	Test Dates: 4/8/2022 – 7/12/2022	EUT Type: Portable Handset	Page 247 of 304



Plot 7-389. Radiated Spurious Plot above 1GHz MIMO (802.11a – U3 Ch. 157) – Open

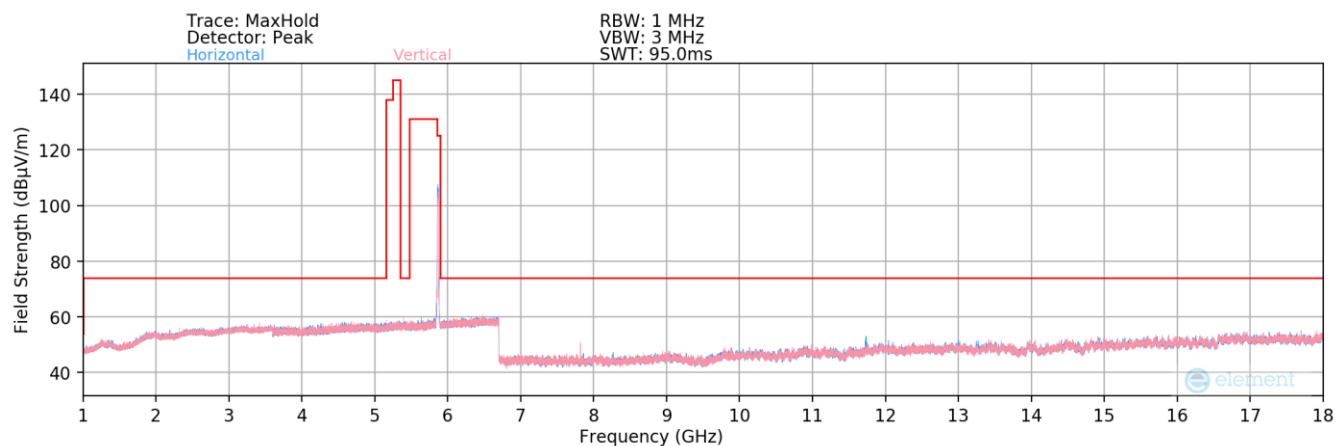


Plot 7-390. Radiated Spurious Plot above 1GHz MIMO (802.11a – U3 Ch. 157) – Half Open



Plot 7-391. Radiated Spurious Plot above 1GHz MIMO (802.11a – U4 Ch. 173) – Open

FCC ID: A3LSMF721U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204080051-14-R1.A3L	Test Dates: 4/8/2022 – 7/12/2022	EUT Type: Portable Handset	Page 248 of 304

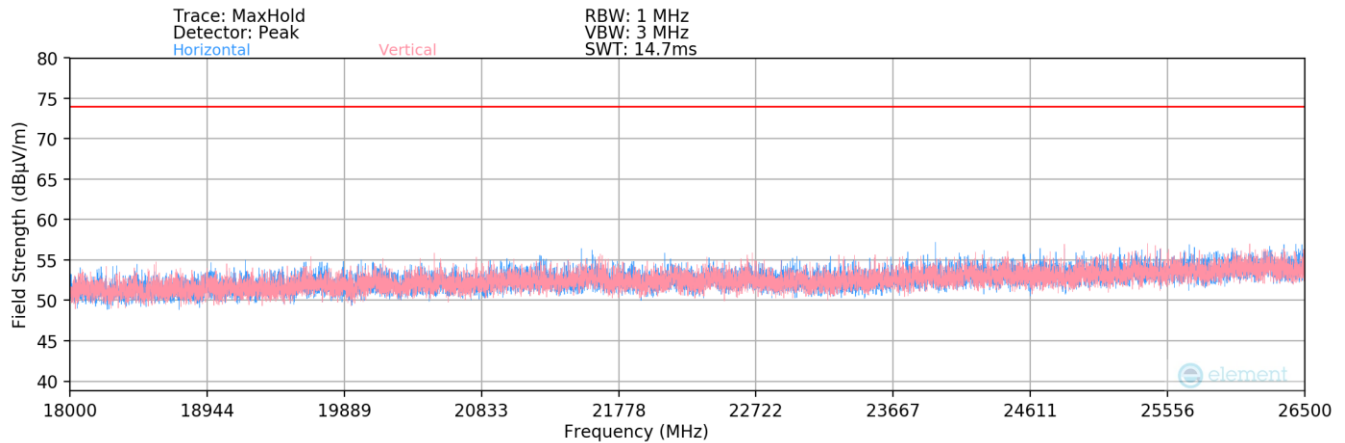


Plot 7-392. Radiated Spurious Plot above 1GHz MIMO (802.11a – U4 Ch. 173) – Half Open

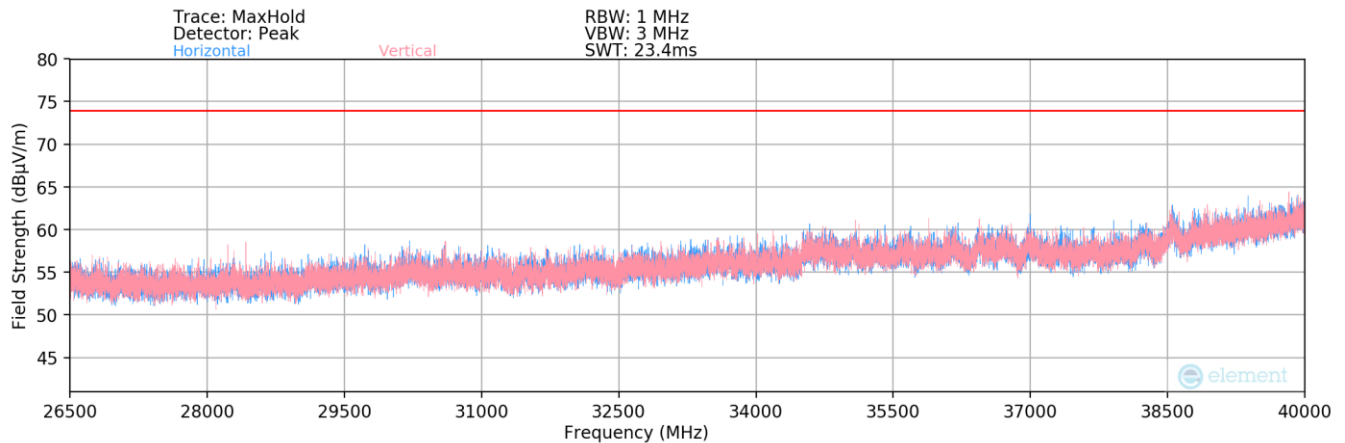
FCC ID: A3LSMF721U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204080051-14-R1.A3L	Test Dates: 4/8/2022 – 7/12/2022	EUT Type: Portable Handset	Page 249 of 304

V9.0 02/01/2019

MIMO Radiated Spurious Emissions Measurements (Above 18GHz)



Plot 7-393. Radiated Spurious Plot above 18GHz - 26.5GHz MIMO (802.11a) – Open



Plot 7-394. Radiated Spurious Plot 26.5GHz - 40GHz MIMO (802.11a) – Open

FCC ID: A3LSMF721U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204080051-14-R1.A3L	Test Dates: 4/8/2022 – 7/12/2022	EUT Type: Portable Handset	Page 250 of 304

V9.0 02/01/2019

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without written permission from Element. If you have any questions about this or have an inquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.

MIMO Radiated Spurious Emission Measurements

§15.407(b) §15.205 & §15.209; RSS-Gen [8.9]

Worst Case Mode: 802.11a
Worst Case Transfer Rate: 6Mbps
Distance of Measurements: 1 & 3 Meters
Operating Frequency: 5180MHz
Channel: 36

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]
10360.00	Peak	H	148	133	-53.30	11.33	0.00	65.03	68.20	-3.17
* 15540.00	Average	H	-	-	-79.55	15.93	0.00	43.38	53.98	-10.60
* 15540.00	Peak	H	-	-	-67.51	15.93	0.00	55.42	73.98	-18.56
* 20720.00	Average	H	-	-	-67.32	3.15	-9.54	33.29	53.98	-20.69
* 20720.00	Peak	H	-	-	-57.80	3.15	-9.54	42.81	73.98	-31.17
25900.00	Peak	H	-	-	-58.30	4.77	-9.54	43.93	68.20	-24.27

Table 7-49. Radiated Measurements MIMO – Open

Worst Case Mode: 802.11a
Worst Case Transfer Rate: 6Mbps
Distance of Measurements: 1 & 3 Meters
Operating Frequency: 5200MHz
Channel: 40

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]
10400.00	Peak	H	205	335	-53.35	11.51	0.00	65.16	68.20	-3.04
* 15600.00	Average	H	-	-	-79.61	16.74	0.00	44.13	53.98	-9.85
* 15600.00	Peak	H	-	-	-67.23	16.74	0.00	56.51	73.98	-17.47
* 20800.00	Average	H	-	-	-66.63	3.48	-9.54	34.31	53.98	-19.67
* 20800.00	Peak	H	-	-	-57.59	3.48	-9.54	43.35	73.98	-30.63
26000.00	Peak	H	-	-	-59.48	5.15	-9.54	43.13	68.20	-25.07

Table 7-50. Radiated Measurements MIMO – Open

FCC ID: A3LSMF721U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204080051-14-R1.A3L	Test Dates: 4/8/2022 – 7/12/2022	EUT Type: Portable Handset	Page 251 of 304

V9.0 02/01/2019

Worst Case Mode: 802.11a
 Worst Case Transfer Rate: 6Mbps
 Distance of Measurements: 1 & 3 Meters
 Operating Frequency: 5240MHz
 Channel: 48

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]
10480.00	Peak	H	152	330	-53.71	11.80	0.00	65.09	68.20	-3.11
* 15720.00	Average	H	-	-	-79.58	17.52	0.00	44.94	53.98	-9.03
* 15720.00	Peak	H	-	-	-67.40	17.52	0.00	57.12	73.98	-16.85
* 20960.00	Average	H	-	-	-67.29	3.48	-9.54	33.65	53.98	-20.33
* 20960.00	Peak	H	-	-	-59.31	3.48	-9.54	41.62	73.98	-32.36
26200.00	Peak	H	-	-	-58.34	4.78	-9.54	43.90	68.20	-24.30

Table 7-51. Radiated Measurements MIMO – Open

Worst Case Mode: 802.11a
 Worst Case Transfer Rate: 6Mbps
 Distance of Measurements: 1 & 3 Meters
 Operating Frequency: 5260MHz
 Channel: 52

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]
10520.00	Peak	H	203	318	-54.01	12.03	0.00	65.02	68.20	-3.18
* 15780.00	Average	H	-	-	-80.41	17.59	0.00	44.18	53.98	-9.80
* 15780.00	Peak	H	-	-	-69.58	17.59	0.00	55.01	73.98	-18.97
* 21040.00	Average	H	-	-	-67.21	3.53	-9.54	33.78	53.98	-20.20
* 21040.00	Peak	H	-	-	-59.02	3.53	-9.54	41.97	73.98	-32.01
26300.00	Peak	H	-	-	-58.93	4.64	-9.54	43.16	68.20	-25.04

Table 7-52. Radiated Measurements MIMO – Open

FCC ID: A3LSMF721U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204080051-14-R1.A3L	Test Dates: 4/8/2022 – 7/12/2022	EUT Type: Portable Handset	Page 252 of 304

Worst Case Mode: 802.11a
Worst Case Transfer Rate: 6Mbps
Distance of Measurements: 1 & 3 Meters
Operating Frequency: 5280MHz
Channel: 56

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]
10560.00	Peak	H	207	317	-55.17	13.05	0.00	64.88	68.20	-3.32
* 15840.00	Average	H	-	-	-80.75	16.84	0.00	43.09	53.98	-10.89
* 15840.00	Peak	H	-	-	-68.99	16.84	0.00	54.85	73.98	-19.13
* 21120.00	Average	H	-	-	-65.60	3.68	-9.54	35.53	53.98	-18.44
* 21120.00	Peak	H	-	-	-59.36	3.68	-9.54	41.78	73.98	-32.20
26400.00	Peak	H	-	-	-59.23	4.78	-9.54	43.01	68.20	-25.19

Table 7-53. Radiated Measurements MIMO – Open

Worst Case Mode: 802.11a
Worst Case Transfer Rate: 6Mbps
Distance of Measurements: 1 & 3 Meters
Operating Frequency: 5320MHz
Channel: 64

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]
* 10640.00	Average	H	139	69	-69.77	13.51	0.00	50.74	53.98	-3.24
* 10640.00	Peak	H	139	69	-57.43	13.51	0.00	63.08	73.98	-10.90
* 15960.00	Average	H	-	-	-80.08	16.97	0.00	43.89	53.98	-10.09
* 15960.00	Peak	H	-	-	-68.68	16.97	0.00	55.29	73.98	-18.69
* 21280.00	Average	H	-	-	-66.96	3.72	-9.54	34.21	53.98	-19.77
* 21280.00	Peak	H	-	-	-59.58	3.72	-9.54	41.59	73.98	-32.38
26600.00	Peak	H	-	-	-59.53	4.72	-9.54	42.64	68.20	-25.56

Table 7-54. Radiated Measurements MIMO – Open

FCC ID: A3LSMF721U	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1M2204080051-14-R1.A3L	Test Dates: 4/8/2022 – 7/12/2022	EUT Type: Portable Handset		Page 253 of 304

Worst Case Mode: 802.11a
 Worst Case Transfer Rate: 6Mbps
 Distance of Measurements: 1 & 3 Meters
 Operating Frequency: 5500MHz
 Channel: 100

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]
* 11000.00	Average	H	177	101	-74.83	12.81	0.00	44.98	53.98	-9.00
* 11000.00	Peak	H	177	101	-60.91	12.81	0.00	58.90	73.98	-15.08
16500.00	Peak	H	-	-	-68.33	17.74	0.00	56.41	68.20	-11.79
22000.00	Peak	H	-	-	-58.87	3.83	-9.54	42.43	68.20	-25.77
27500.00	Peak	H	-	-	-58.82	4.97	-9.54	43.61	68.20	-24.59

Table 7-55. Radiated Measurements MIMO – Open

Worst Case Mode: 802.11a
 Worst Case Transfer Rate: 6Mbps
 Distance of Measurements: 1 & 3 Meters
 Operating Frequency: 5600MHz
 Channel: 120

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
* 11200.00	Average	H	172	108	-73.76	12.63	0.00	45.87	53.98	-8.11
* 11200.00	Peak	H	172	108	-61.05	12.63	0.00	58.58	73.98	-15.40
16800.00	Peak	H	-	-	-68.83	18.01	0.00	56.18	68.20	-12.02
* 22400.00	Average	H	-	-	-67.50	3.79	-9.54	33.75	53.98	-20.23
* 22400.00	Peak	H	-	-	-57.86	3.79	-9.54	43.38	73.98	-30.59
28000.00	Peak	H	-	-	-58.86	4.94	-9.54	43.54	68.20	-24.66

Table 7-56. Radiated Measurements MIMO – Open

FCC ID: A3LSMF721U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204080051-14-R1.A3L	Test Dates: 4/8/2022 – 7/12/2022	EUT Type: Portable Handset	Page 254 of 304

Worst Case Mode: 802.11a
 Worst Case Transfer Rate: 6Mbps
 Distance of Measurements: 1 & 3 Meters
 Operating Frequency: 5720MHz
 Channel: 144

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]
* 11440.00	Average	H	207	315	-73.55	12.91	0.00	46.36	53.98	-7.62
* 11440.00	Peak	H	207	315	-61.34	12.91	0.00	58.57	73.98	-15.41
17160.00	Peak	H	-	-	-68.43	17.57	0.00	56.14	68.20	-12.06
* 22880.00	Average	H	-	-	-67.25	3.79	-9.54	34.00	53.98	-19.98
* 22880.00	Peak	H	-	-	-59.24	3.79	-9.54	42.01	73.98	-31.97
28600.00	Peak	H	-	-	-59.42	5.27	-9.54	43.31	68.20	-24.89

Table 7-57. Radiated Measurements MIMO – Open

Worst Case Mode: 802.11a
 Worst Case Transfer Rate: 6Mbps
 Distance of Measurements: 1 & 3 Meters
 Operating Frequency: 5745MHz
 Channel: 149

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]
* 11490.00	Average	H	194	308	-71.96	10.71	0.00	45.75	53.98	-8.23
* 11490.00	Peak	H	194	308	-60.24	10.71	0.00	57.47	73.98	-16.51
17235.00	Peak	H	-	-	-68.76	13.90	0.00	52.14	68.20	-16.06
* 22980.00	Average	H	-	-	-67.77	3.79	-9.54	33.47	53.98	-20.51
* 22980.00	Peak	H	-	-	-59.48	3.79	-9.54	41.77	73.98	-32.21
28725.00	Peak	H	-	-	-58.53	5.41	-9.54	44.34	68.20	-23.86

Table 7-58. Radiated Measurements MIMO – Open

FCC ID: A3LSMF721U	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1M2204080051-14-R1.A3L	Test Dates: 4/8/2022 – 7/12/2022	EUT Type: Portable Handset		Page 255 of 304

Worst Case Mode: 802.11a
 Worst Case Transfer Rate: 6Mbps
 Distance of Measurements: 1 & 3 Meters
 Operating Frequency: 5785MHz
 Channel: 157

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]
* 11570.00	Average	H	126	317	-72.23	10.93	0.00	45.70	53.98	-8.28
* 11570.00	Peak	H	126	317	-60.80	10.93	0.00	57.13	73.98	-16.85
17355.00	Peak	H	-	-	-69.35	13.63	0.00	51.28	68.20	-16.92
23140.00	Peak	H	-	-	-59.24	3.75	-9.54	41.97	68.20	-26.23
28925.00	Peak	H	-	-	-58.34	5.46	-9.54	44.58	68.20	-23.62

Table 7-59. Radiated Measurements MIMO – Open

Worst Case Mode: 802.11a
 Worst Case Transfer Rate: 6Mbps
 Distance of Measurements: 1 & 3 Meters
 Operating Frequency: 5825MHz
 Channel: 165

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]
* 11650.00	Average	H	136	312	-72.16	11.09	0.00	45.93	53.98	-8.05
* 11650.00	Peak	H	136	312	-60.52	11.09	0.00	57.57	73.98	-16.41
17475.00	Peak	H	-	-	-69.51	13.73	0.00	51.22	68.20	-16.98
23300.00	Peak	H	-	-	-58.59	3.76	-9.54	42.62	68.20	-25.58
29125.00	Peak	H	-	-	-57.18	5.54	-9.54	45.82	68.20	-22.38

Table 7-60. Radiated Measurements MIMO – Open

FCC ID: A3LSMF721U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204080051-14-R1.A3L	Test Dates: 4/8/2022 – 7/12/2022	EUT Type: Portable Handset	Page 256 of 304

Worst Case Mode: 802.11a
Worst Case Transfer Rate: 6Mbps
Distance of Measurements: 1 & 3 Meters
Operating Frequency: 5845MHz
Channel: 169

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]
* 11690.00	Average	H	122	313	-72.42	13.65	0.00	48.23	53.98	-5.75
* 11690.00	Peak	H	122	313	-61.01	13.65	0.00	59.64	73.98	-14.34
17535.00	Peak	H	-	-	-79.37	17.82	0.00	45.45	68.20	-22.75
23380.00	Peak	H	-	-	-55.93	3.85	-9.54	45.38	68.20	-22.82
29225.00	Peak	H	-	-	-58.51	5.60	-9.54	44.55	68.20	-23.65
35070.00	Peak	H	-	-	-56.09	8.11	-9.54	49.48	68.20	-18.72

Table 7-61. Radiated Measurements MIMO – Open

Worst Case Mode: 802.11a
Worst Case Transfer Rate: 6Mbps
Distance of Measurements: 1 & 3 Meters
Operating Frequency: 5865MHz
Channel: 173

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]
* 11730.00	Average	H	145	315	-73.43	13.70	0.00	47.27	53.98	-6.71
* 11730.00	Peak	H	145	315	-61.50	13.70	0.00	59.20	73.98	-14.78
17595.00	Peak	H	-	-	-79.55	17.70	0.00	45.15	68.20	-23.05
23460.00	Peak	H	-	-	-57.42	3.85	-9.54	43.89	68.20	-24.31
29325.00	Peak	H	-	-	-57.31	5.85	-9.54	46.00	68.20	-22.20
35190.00	Peak	H	-	-	-57.73	8.16	-9.54	47.89	68.20	-20.31

Table 7-62. Radiated Measurements MIMO – Open

FCC ID: A3LSMF721U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204080051-14-R1.A3L	Test Dates: 4/8/2022 – 7/12/2022	EUT Type: Portable Handset	Page 257 of 304

Worst Case Mode: 802.11a
Worst Case Transfer Rate: 6Mbps
Distance of Measurements: 1 & 3 Meters
Operating Frequency: 5885MHz
Channel: 177

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]
* 11770.00	Average	H	129	314	-72.01	13.81	0.00	48.80	53.98	-5.18
* 11770.00	Peak	H	129	314	-60.23	13.81	0.00	60.58	73.98	-13.40
17655.00	Peak	H	-	-	-79.41	17.52	0.00	45.11	68.20	-23.09
23540.00	Peak	H	-	-	-58.01	3.84	-9.54	43.29	68.20	-24.91
29425.00	Peak	H	-	-	-57.35	5.87	-9.54	45.98	68.20	-22.22
35310.00	Peak	H	-	-	-56.17	8.04	-9.54	49.33	68.20	-18.87

Table 7-63. Radiated Measurements MIMO – Open

Worst Case Mode: 802.11a
Worst Case Transfer Rate: 6Mbps
Distance of Measurements: 1 & 3 Meters
Operating Frequency: 5200MHz
Channel: 40

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]
10400.00	Peak	H	199	51	-56.27	11.51	0.00	62.24	68.20	-5.96
* 15600.00	Average	H	-	-	-79.61	16.74	0.00	44.13	53.98	-9.85
* 15600.00	Peak	H	-	-	-67.23	16.74	0.00	56.51	73.98	-17.47
* 20800.00	Average	H	-	-	-66.50	3.48	-9.54	34.44	53.98	-19.54
* 20800.00	Peak	H	-	-	-58.74	3.48	-9.54	42.20	73.98	-31.78
26000.00	Peak	H	-	-	-59.37	5.15	-9.54	43.23	68.20	-24.97

Table 7-64. Radiated Measurements MIMO with WCP

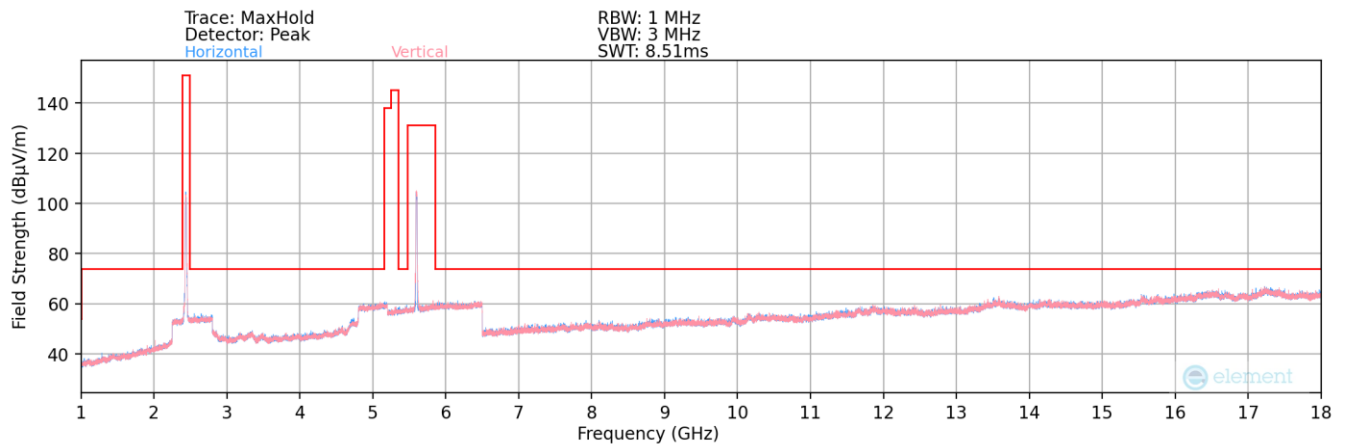
FCC ID: A3LSMF721U	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1M2204080051-14-R1.A3L	Test Dates: 4/8/2022 – 7/12/2022	EUT Type: Portable Handset		Page 258 of 304

7.6.3 Simultaneous Tx Radiated Spurious Emissions Measurements

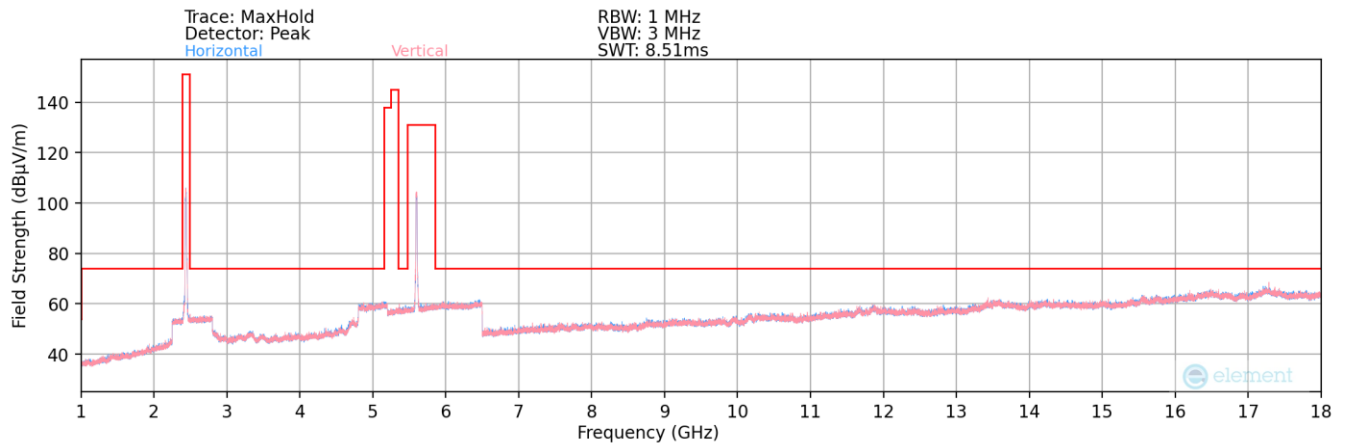
§15.407(b) §15.205 & §15.209; RSS-Gen [8.9]

Description	2.4 GHz Emission	5 GHz Emission
Antenna	2	1
Channel	6	120
Operating Frequency (MHz)	2437	5600
Data Rate (Mbps)	1	6
Mode	802.11b	802.11a

Table 7-65. Simultaneous Transmission Config-1



Plot 7-395. Radiated Spurious Plot above 1GHz (5GHz – 2.4 GHz) – Open

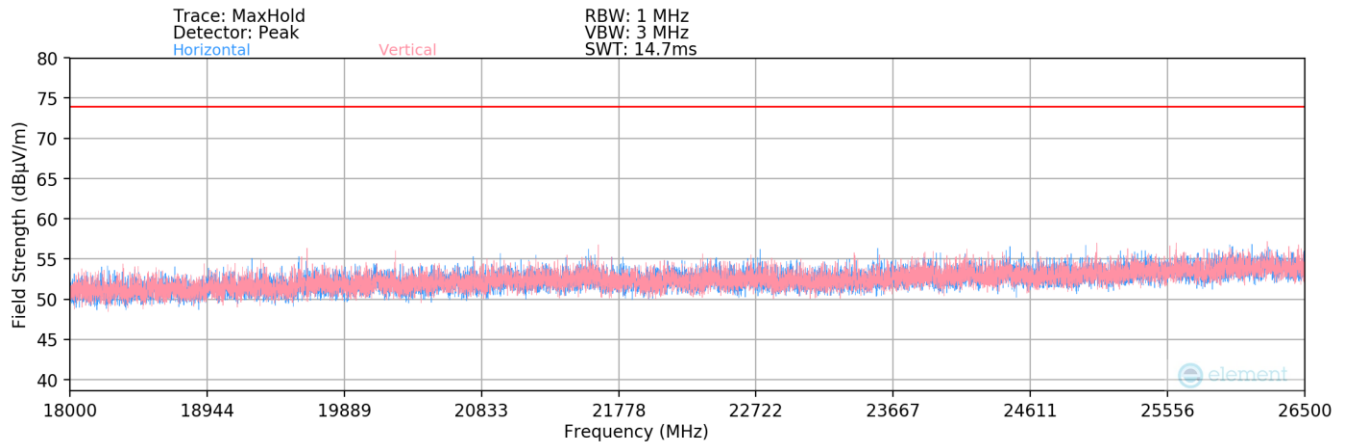


Plot 7-396. Radiated Spurious Plot above 1GHz (5GHz – 2.4 GHz) – Closed

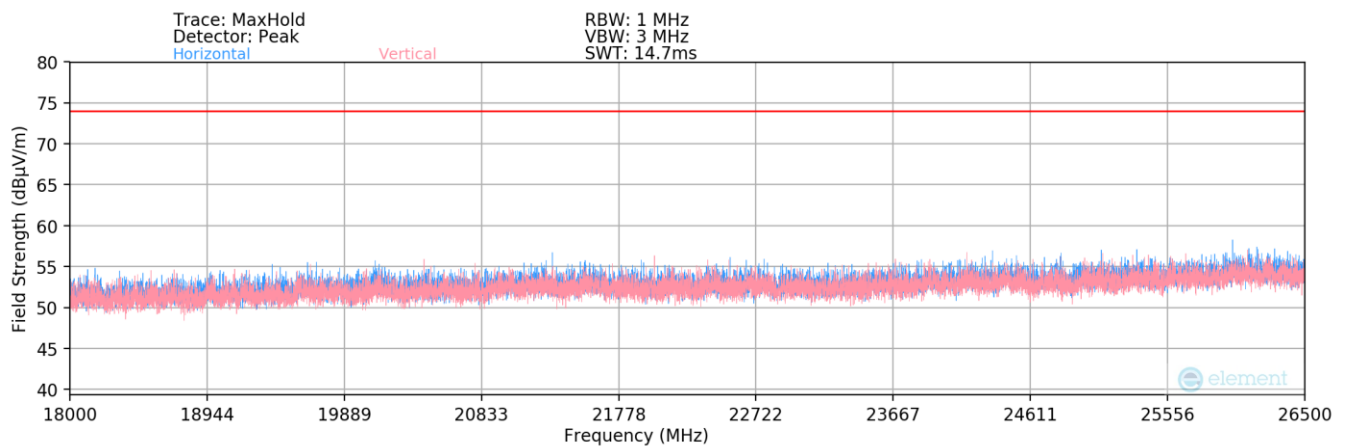
FCC ID: A3LSMF721U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204080051-14-R1.A3L	Test Dates: 4/8/2022 – 7/12/2022	EUT Type: Portable Handset	Page 259 of 304

V9.0 02/01/2019

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without written permission from Element. If you have any questions about this or have an inquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



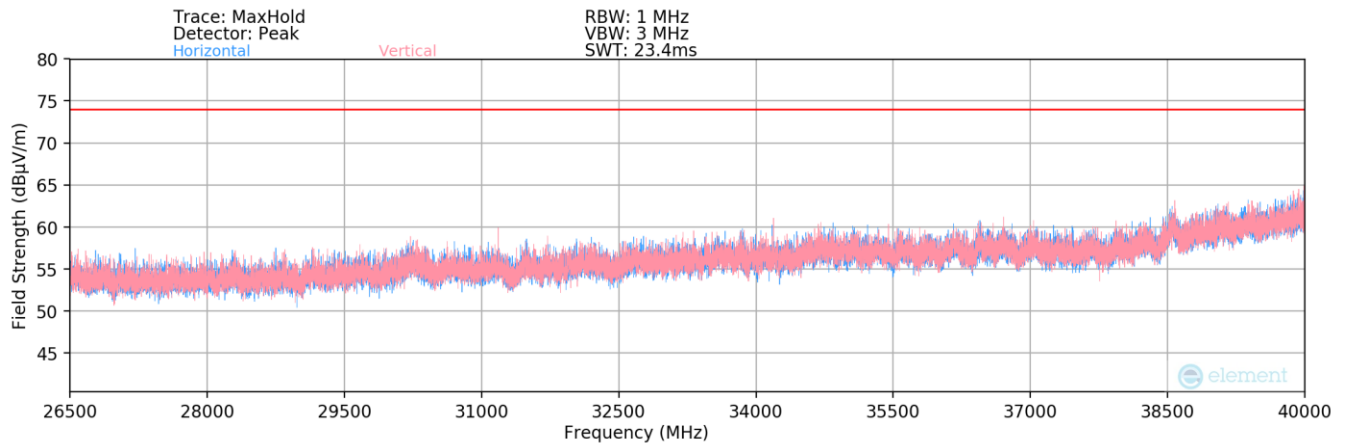
Plot 7-397. Radiated Spurious Plot 18GHz – 26.5GHz (5GHz – 2.4 GHz) – Open



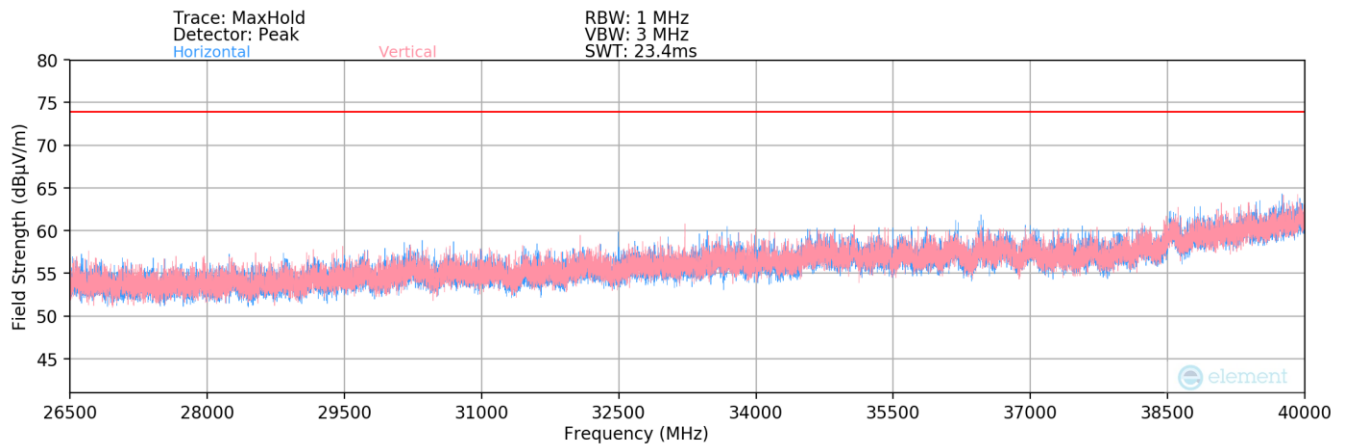
Plot 7-398. Radiated Spurious Plot 18GHz – 26.5GHz (5GHz – 2.4 GHz) – Closed

FCC ID: A3LSMF721U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204080051-14-R1.A3L	Test Dates: 4/8/2022 – 7/12/2022	EUT Type: Portable Handset	Page 260 of 304

V9.0 02/01/2019



Plot 7-399. Radiated Spurious Plot above 26.5GHz (5GHz – 2.4 GHz) – Open



Plot 7-400. Radiated Spurious Plot above 26.5GHz (5GHz – 2.4 GHz) – Closed

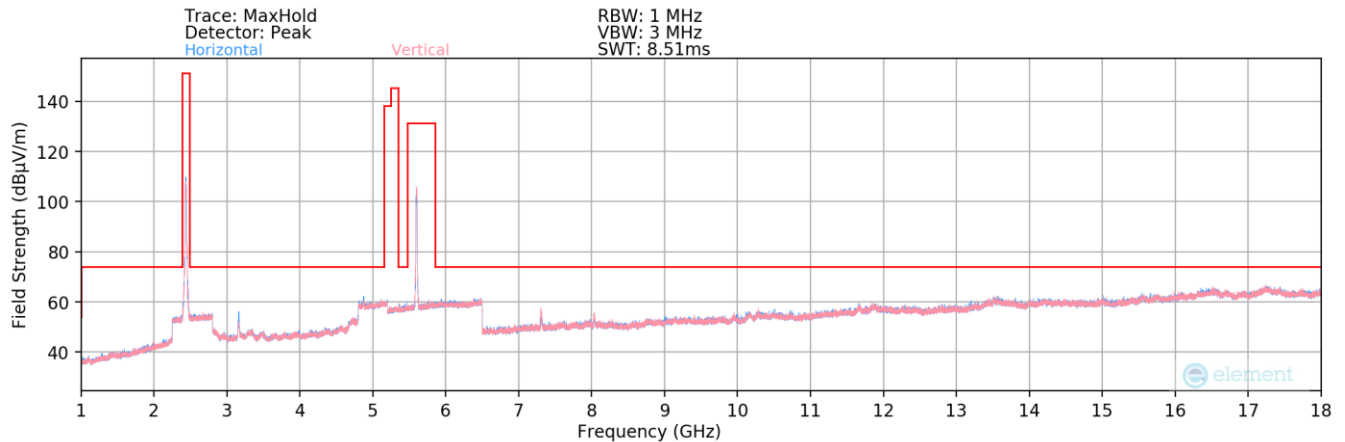
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
3163.00	Peak	H	-	-	-67.90	5.18	44.28	73.98	-29.70
6326.00	Peak	H	-	-	-69.95	9.89	46.94	73.98	-27.04
8763.00	Peak	H	-	-	-70.85	13.83	49.98	73.98	-23.99
10474.00	Peak	H	-	-	-71.37	16.61	52.24	73.98	-21.74

Table 7-66. Radiated Measurements (Ant1 5GHz – Ant2 2.4 GHz) – Open

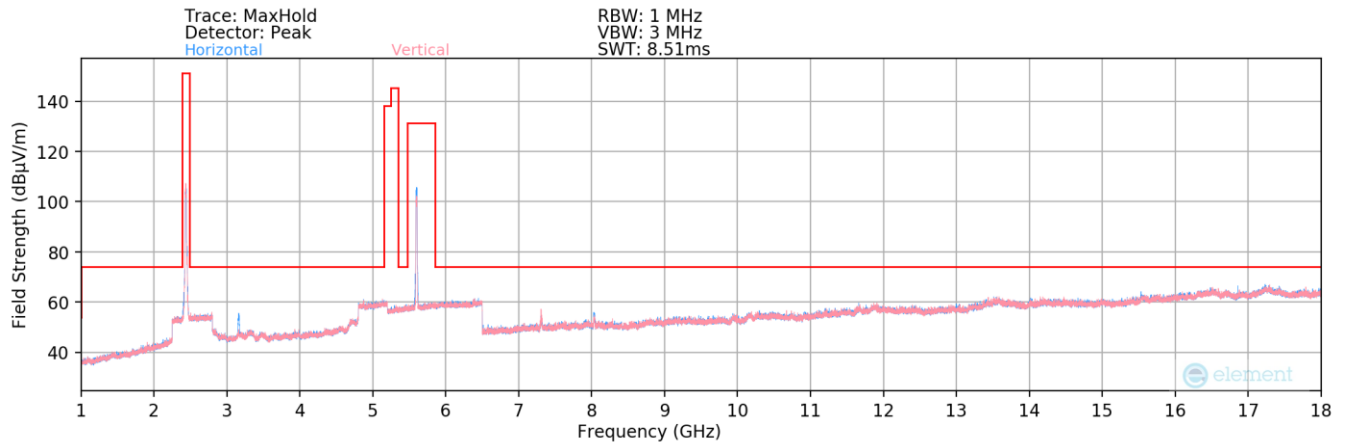
FCC ID: A3LSMF721U	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1M2204080051-14-R1.A3L	Test Dates: 4/8/2022 – 7/12/2022	EUT Type: Portable Handset		Page 261 of 304

Description	2.4 GHz Emission	5 GHz Emission
Antenna	1, 2	1, 2
Channel	6	120
Operating Frequency (MHz)	2437	5600
Data Rate (Mbps)	1	6
Mode	802.11g	802.11a

Table 7-67. Dual Band Simultaneous Transmission

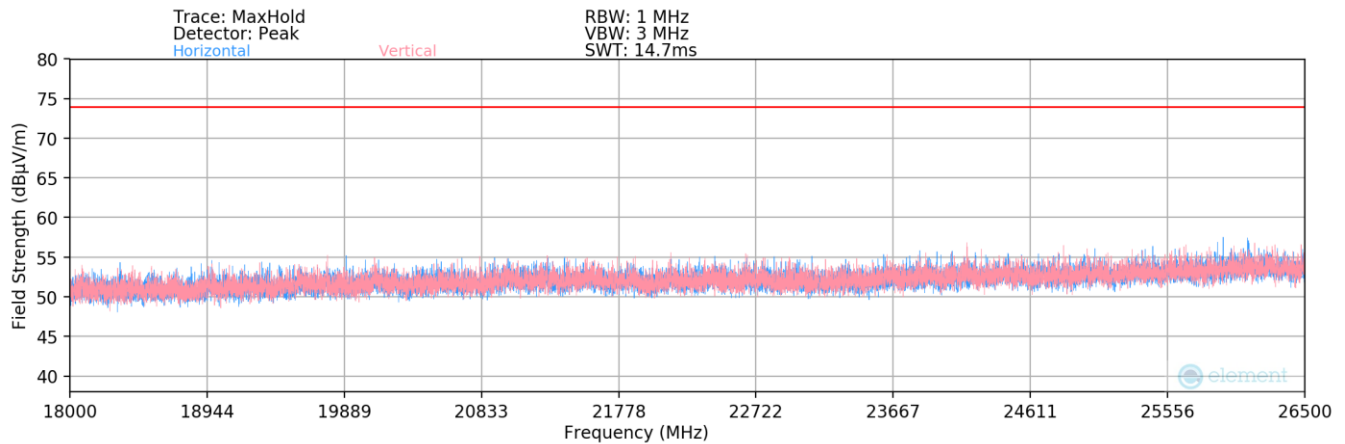


Plot 7-401. Radiated Spurious Plot above 1GHz (Dual Band Simult. Tx) – Open

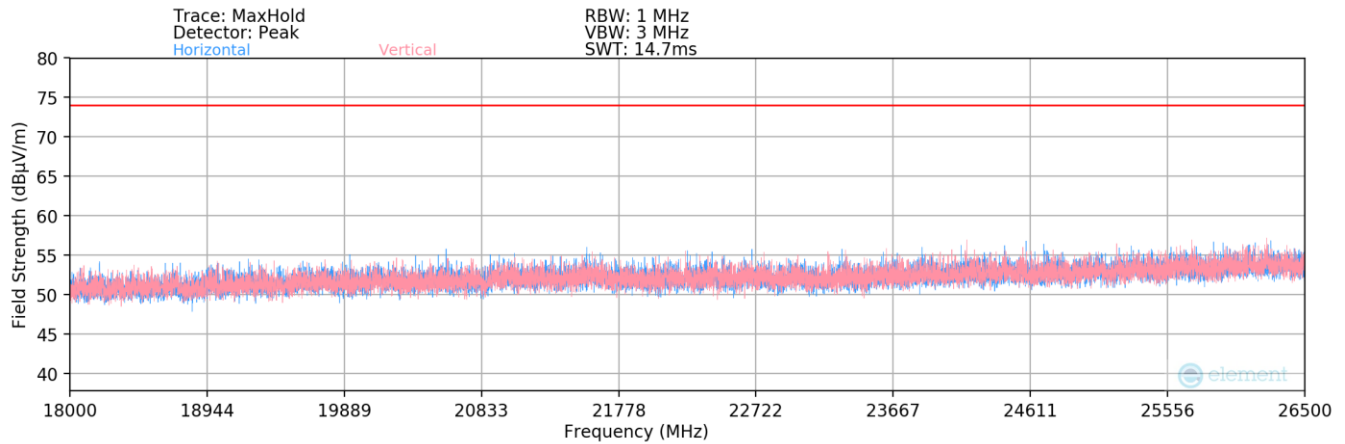


Plot 7-402. Radiated Spurious Plot above 1GHz (Dual Band Simult. Tx) – Closed

FCC ID: A3LSMF721U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204080051-14-R1.A3L	Test Dates: 4/8/2022 – 7/12/2022	EUT Type: Portable Handset	Page 262 of 304

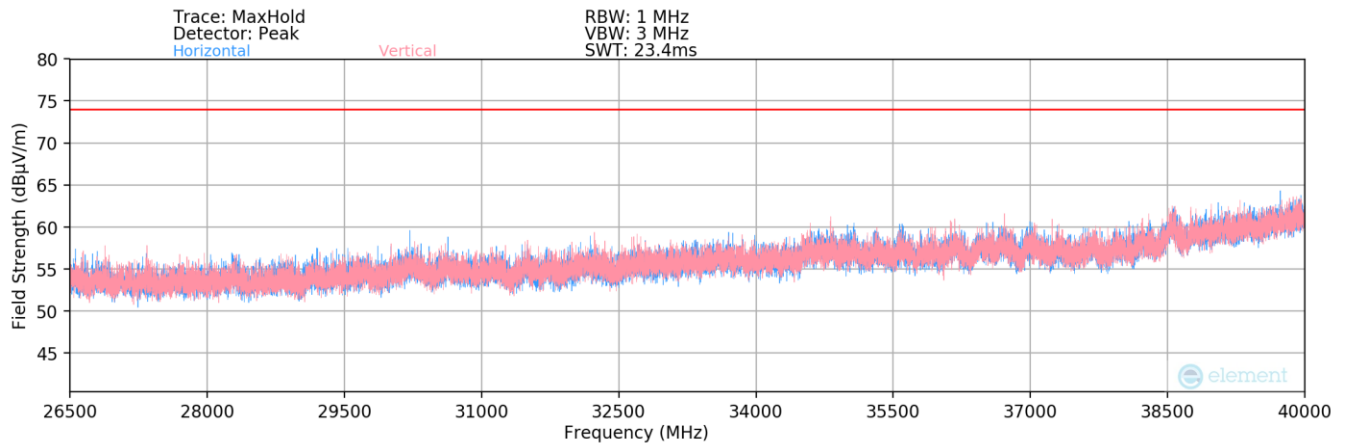


Plot 7-403. Radiated Spurious Plot 18GHz – 26.5GHz (Dual Band Simult. Tx) – Open

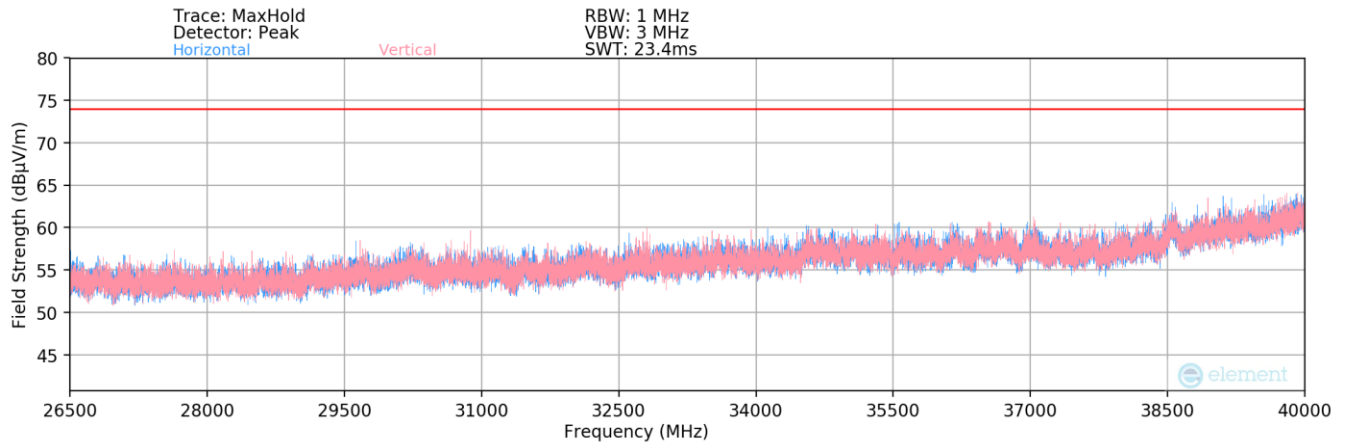


Plot 7-404. Radiated Spurious Plot 18GHz – 26.5GHz (Dual Band Simult. Tx) – Closed

FCC ID: A3LSMF721U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204080051-14-R1.A3L	Test Dates: 4/8/2022 – 7/12/2022	EUT Type: Portable Handset	Page 263 of 304



Plot 7-405. Radiated Spurious Plot above 26.5GHz (Dual Band Simult. Tx) – Open



Plot 7-406. Radiated Spurious Plot above 26.5GHz (Dual Band Simult. Tx) – Closed

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
3160.00	Peak	H	102.00	304.00	-62.54	8.05	52.51	73.98	-21.47
* 4870.00	Avg	H	168.00	215.00	-81.77	21.61	46.84	53.98	-7.14
* 4870.00	Peak	H	168.00	215.00	-72.07	21.61	56.54	73.98	-17.44
* 7310.00	Avg	V	102.00	358.00	-79.36	16.45	44.09	53.98	-9.89
* 7310.00	Peak	V	102.00	358.00	-65.88	16.45	57.57	73.98	-16.41
* 8035.00	Avg	V	105.00	43.00	-79.32	16.81	44.49	53.98	-9.49
* 8035.00	Peak	V	105.00	43.00	-68.87	16.81	54.94	73.98	-19.04

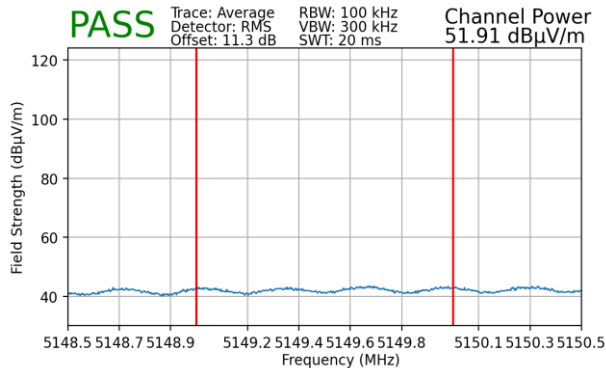
Table 7-68. Radiated Measurements (Dual Band Simult. Tx) – Open

FCC ID: A3LSMF721U	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1M2204080051-14-R1.A3L	Test Dates: 4/8/2022 – 7/12/2022	EUT Type: Portable Handset		Page 264 of 304

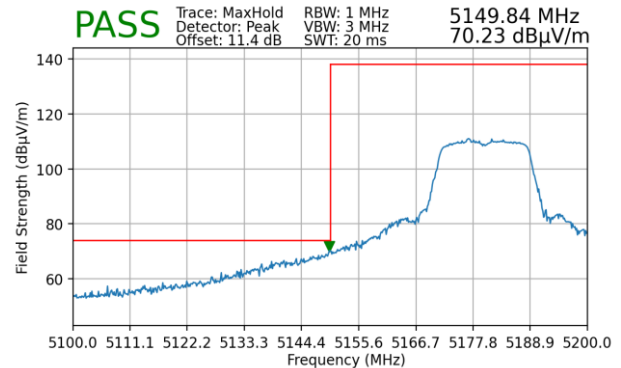
7.6.4 SISO Antenna-1 Radiated Band Edge Measurements (20MHz BW)

§15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]; RSS-Gen [8.9]

Worst Case Mode:	802.11n
Worst Case Transfer Rate:	MSC0
Distance of Measurements:	3 Meters
Operating Frequency:	5180MHz
Channel:	36

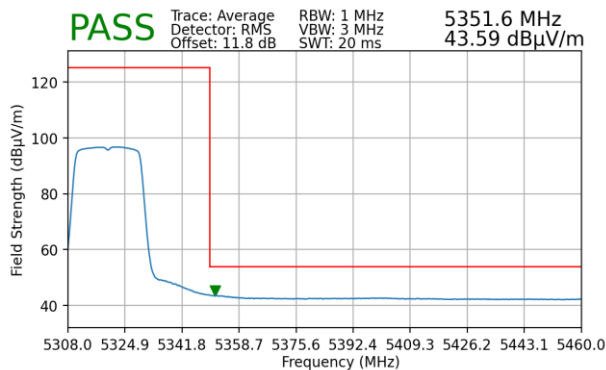


Plot 7-407. Radiated Lower Band Edge Plot SISO ANT1 (Average – UNII Band 1)

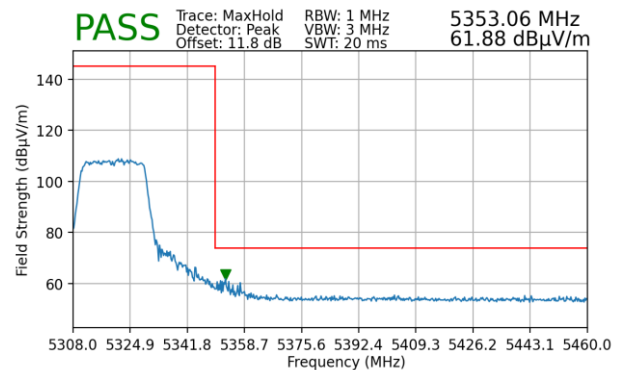


Plot 7-408. Radiated Lower Band Edge Plot SISO ANT1 (Peak – UNII Band 1)

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



Plot 7-409. Radiated Upper Band Edge Plot SISO ANT1 (Average – UNII Band 2A)



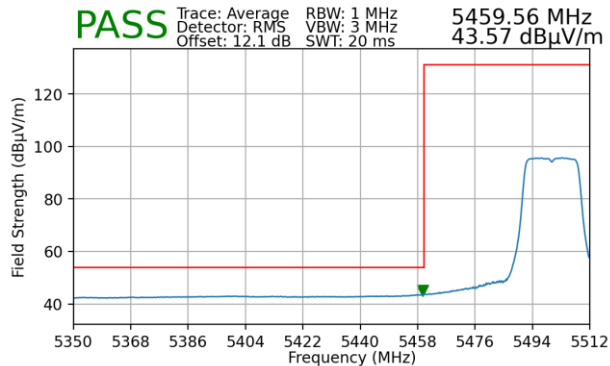
Plot 7-410. Radiated Upper Band Edge Plot SISO ANT1 (Peak – UNII Band 2A)

FCC ID: A3LSMF721U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204080051-14-R1.A3L	Test Dates: 4/8/2022 – 7/12/2022	EUT Type: Portable Handset	Page 265 of 304

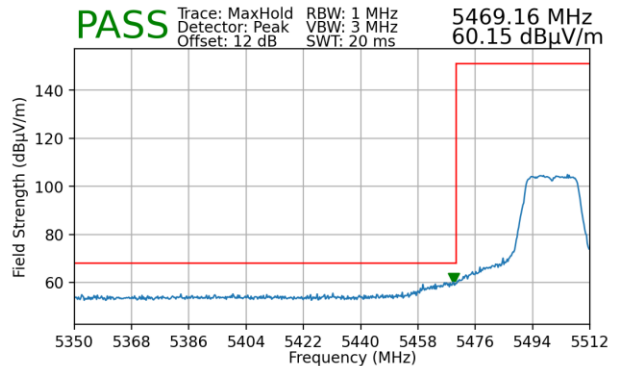
V9.0 02/01/2019

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without written permission from Element. If you have any questions about this or have an inquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.

Worst Case Mode: 802.11a
 Worst Case Transfer Rate: 6Mbps
 Distance of Measurements: 3 Meters
 Operating Frequency: 5500MHz
 Channel: 100

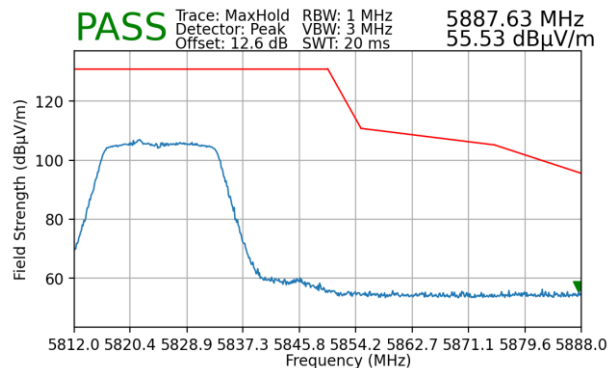


Plot 7-411. Radiated Lower Band Edge Plot SISO ANT1 (Average – UNII Band 2C)



Plot 7-412. Radiated Lower Band Edge Plot SISO ANT1 (Peak – UNII Band 2C)

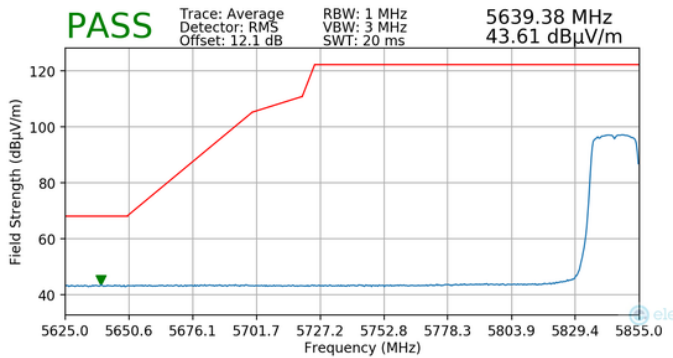
Worst Case Mode: 802.11ac
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5825MHz
 Channel: 165



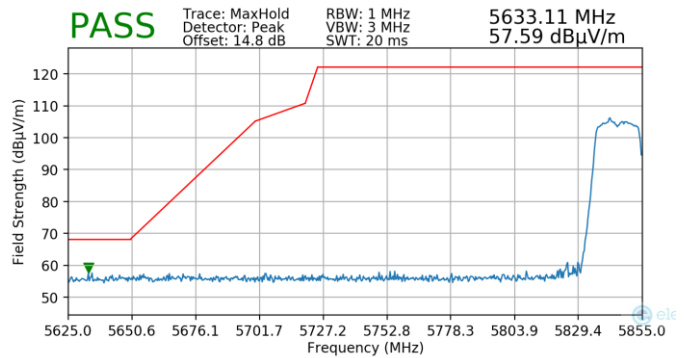
Plot 7-413. Radiated Upper Band Edge Plot SISO ANT1 (Peak – UNII Band 3)

FCC ID: A3LSMF721U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204080051-14-R1.A3L	Test Dates: 4/8/2022 – 7/12/2022	EUT Type: Portable Handset	Page 266 of 304

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

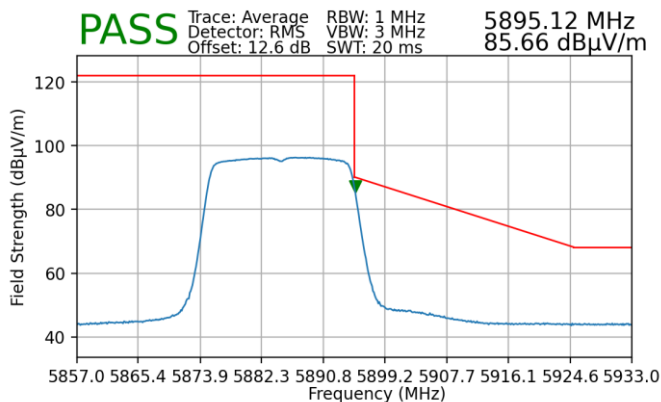


Plot 7-414. Radiated Lower Band Edge Plot SISO ANT1 (Average – UNII Band 4)



Plot 7-415. Radiated Lower Band Edge Plot SISO ANT1 (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 7-416. Radiated Upper Band Edge Plot SISO ANT1 (Average – UNII Band 4)

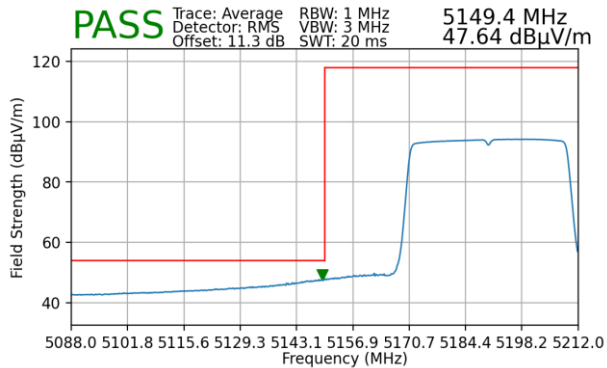
FCC ID: A3LSMF721U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204080051-14-R1.A3L	Test Dates: 4/8/2022 – 7/12/2022	EUT Type: Portable Handset	Page 267 of 304

V9.0 02/01/2019

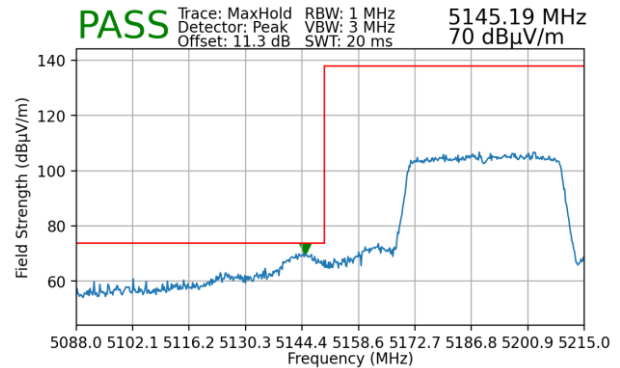
7.6.5 SISO Antenna-1 Radiated Band Edge Measurements (40MHz BW)

\$15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

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

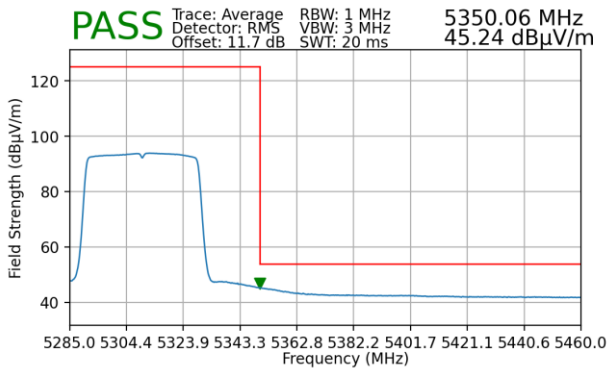


Plot 7-417. Radiated Lower Band Edge Plot SISO ANT1 (Average – UNII Band 1)

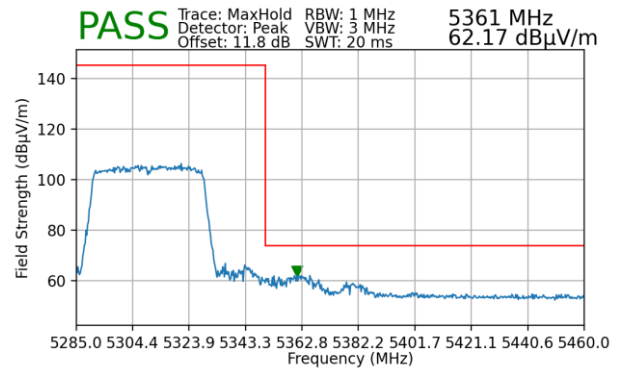


Plot 7-418. Radiated Lower Band Edge Plot SISO ANT1 (Peak – UNII Band 1)

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



Plot 7-419. Radiated Upper Band Edge Plot SISO ANT1 (Average – UNII Band 2A)

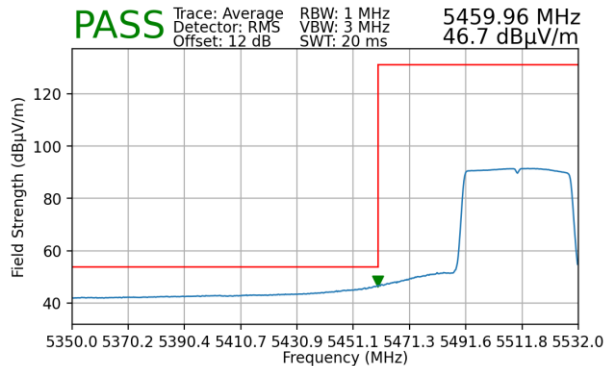


Plot 7-420. Radiated Upper Band Edge Plot SISO ANT1 (Peak – UNII Band 2A)

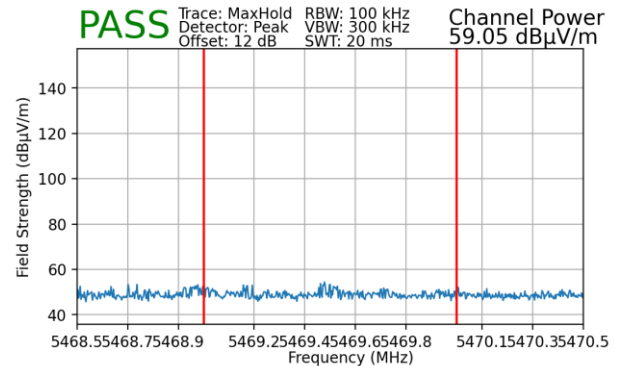
FCC ID: A3LSMF721U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204080051-14-R1.A3L	Test Dates: 4/8/2022 – 7/12/2022	EUT Type: Portable Handset	Page 268 of 304

V9.0 02/01/2019

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

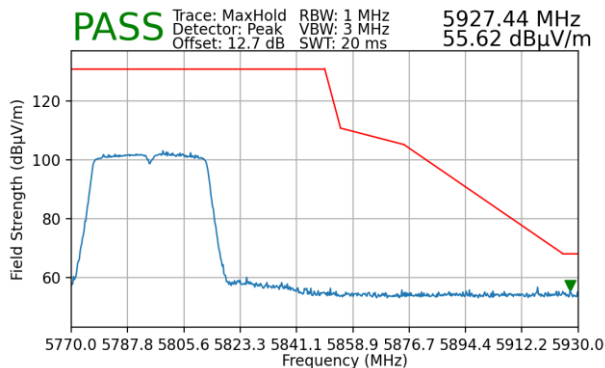


Plot 7-421. Radiated Lower Band Edge Plot SISO ANT1 (Average – UNII Band 2C)



Plot 7-422. Radiated Lower Band Edge Plot SISO ANT1 (Peak – UNII Band 2C)

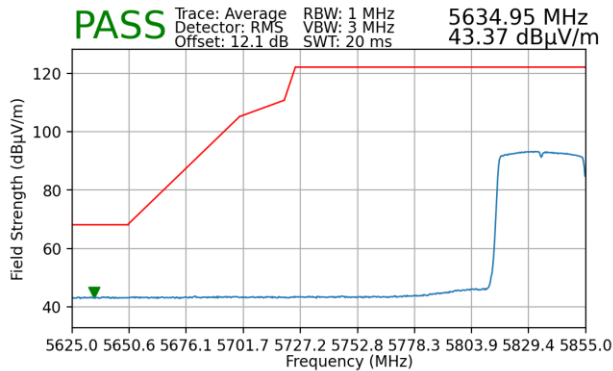
Worst Case Mode: 802.11ac
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5795MHz
 Channel: 159



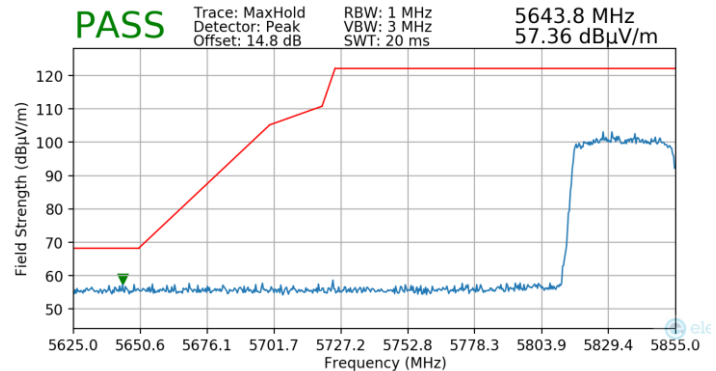
Plot 7-423. Radiated Upper Band Edge Plot SISO ANT1 (Peak – UNII Band 3)

FCC ID: A3LSMF721U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204080051-14-R1.A3L	Test Dates: 4/8/2022 – 7/12/2022	EUT Type: Portable Handset	Page 269 of 304

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

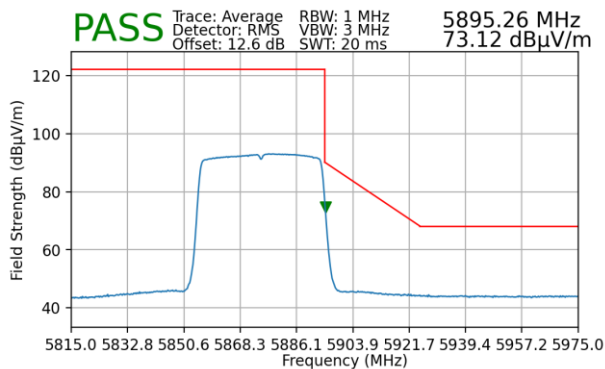


Plot 7-424. Radiated Lower Band Edge Plot SISO ANT1 (Average – UNII Band 4)



Plot 7-425. Radiated Lower Band Edge Plot SISO ANT1 (Peak – UNII Band 4)

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



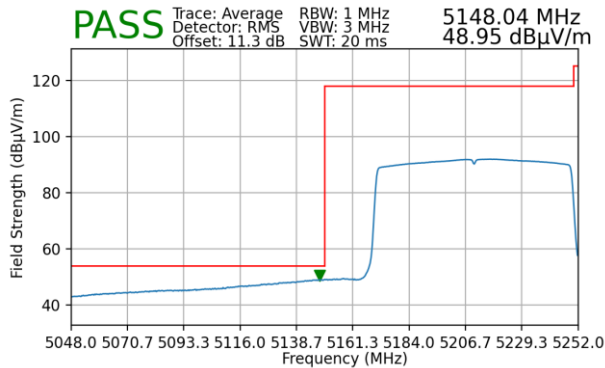
Plot 7-426. Radiated Upper Band Edge Plot SISO ANT1 (Average – UNII Band 4)

FCC ID: A3LSMF721U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204080051-14-R1.A3L	Test Dates: 4/8/2022 – 7/12/2022	EUT Type: Portable Handset	Page 270 of 304

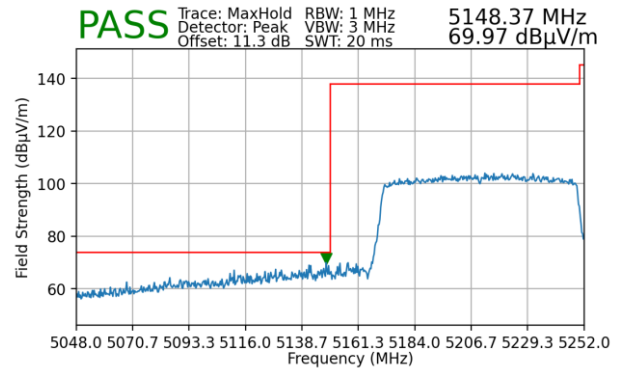
7.6.6 SISO Antenna-1 Radiated Band Edge Measurements (80MHz BW)

\$15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

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

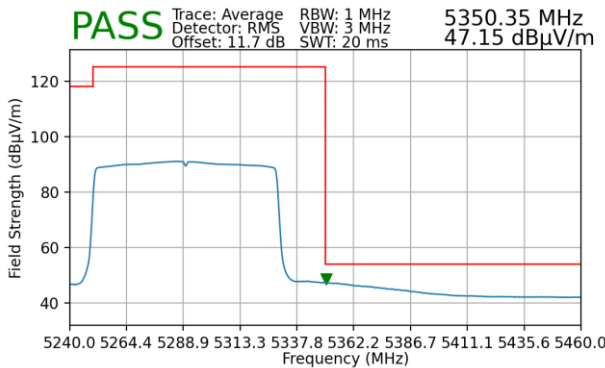


Plot 7-427. Radiated Lower Band Edge Plot SISO ANT1 (Average – UNII Band 1)

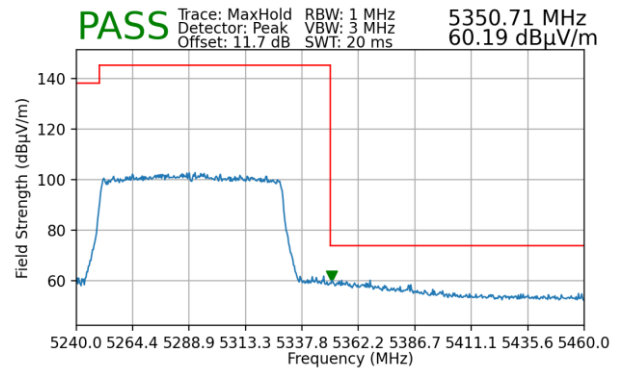


Plot 7-428. Radiated Lower Band Edge Plot SISO ANT1 (Peak – UNII Band 1)

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



Plot 7-429. Radiated Upper Band Edge Plot SISO ANT1 (Average – UNII Band 2A)

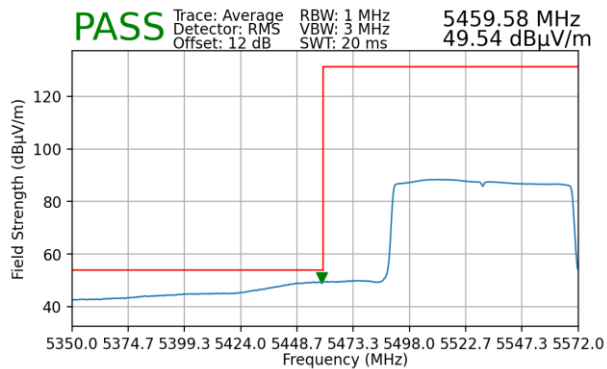


Plot 7-430. Radiated Upper Band Edge Plot SISO ANT1 (Peak – UNII Band 2A)

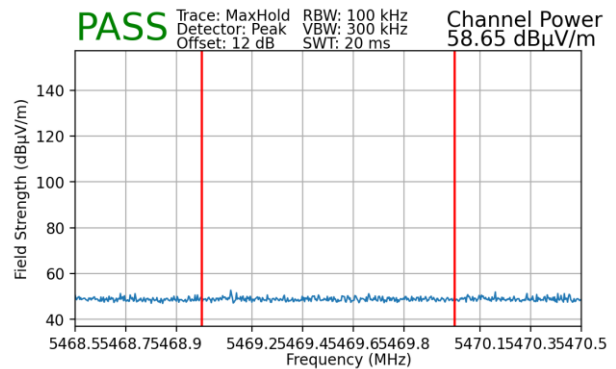
FCC ID: A3LSMF721U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204080051-14-R1.A3L	Test Dates: 4/8/2022 – 7/12/2022	EUT Type: Portable Handset	Page 271 of 304

V9.0 02/01/2019

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

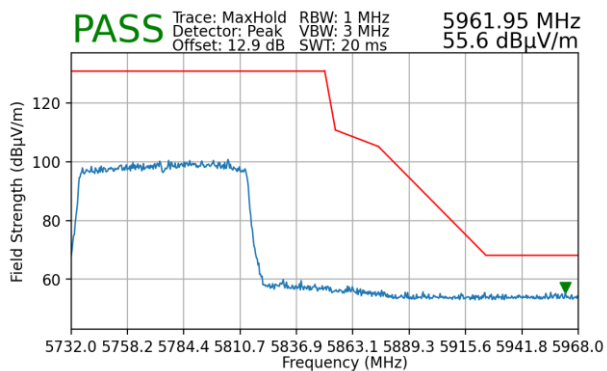


Plot 7-431. Radiated Lower Band Edge Plot SISO ANT1 (Average – UNII Band 2C)



Plot 7-432. Radiated Lower Band Edge Plot SISO ANT1 (Peak – UNII Band 2C)

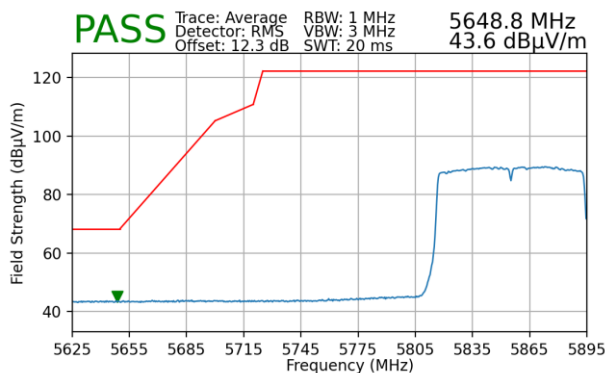
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5775MHz
 Channel: 155



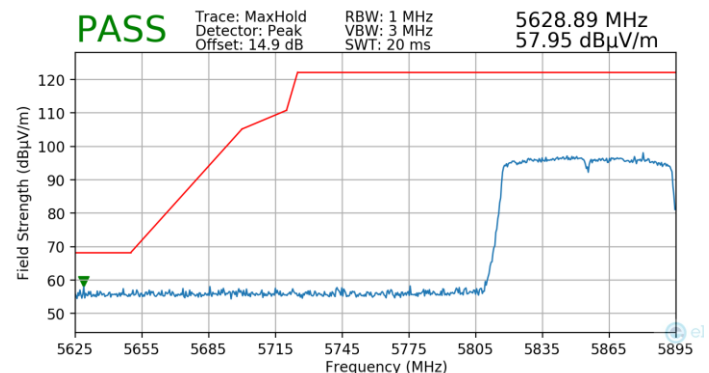
Plot 7-433. Radiated Upper Band Edge Plot SISO ANT1 (Peak – UNII Band 3)

FCC ID: A3LSMF721U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204080051-14-R1.A3L	Test Dates: 4/8/2022 – 7/12/2022	EUT Type: Portable Handset	Page 272 of 304

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

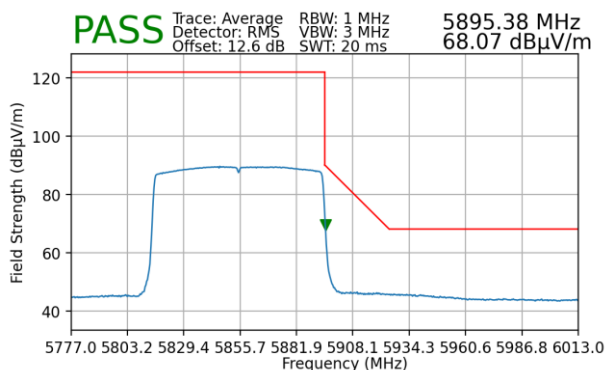


Plot 7-434. Radiated Lower Band Edge Plot SISO ANT1 (Average – UNII Band 4)



Plot 7-435. Radiated Lower Band Edge Plot SISO ANT1 (Peak – UNII Band 4)

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

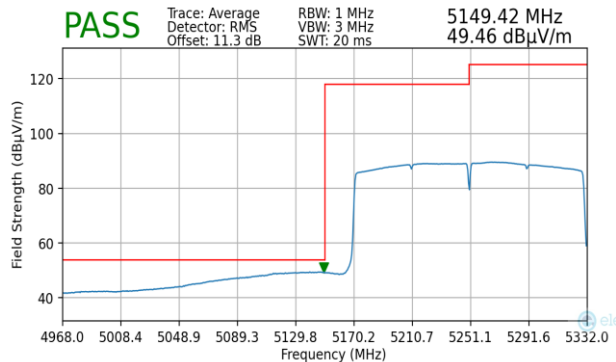


Plot 7-436. Radiated Upper Band Edge Plot SISO ANT1 (Average – UNII Band 4)

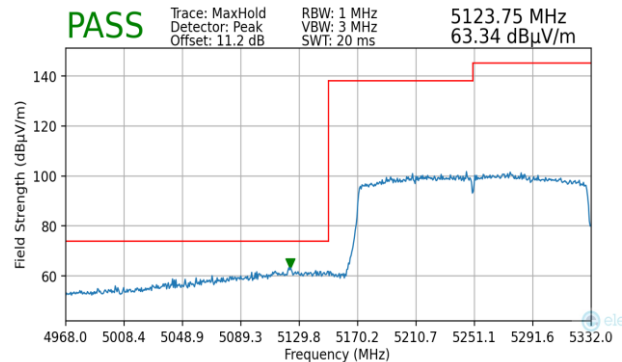
FCC ID: A3LSMF721U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204080051-14-R1.A3L	Test Dates: 4/8/2022 – 7/12/2022	EUT Type: Portable Handset	Page 273 of 304

7.6.7 SISO Antenna-1 Radiated Band Edge Measurements (160MHz BW)

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

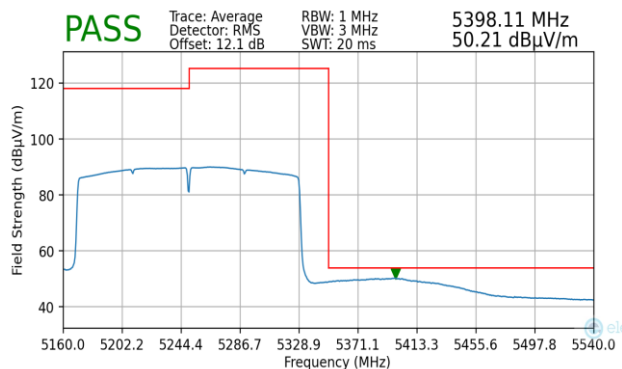


Plot 7-437. Radiated Lower Band Edge Plot SISO ANT1 (Average – UNII Band 1)

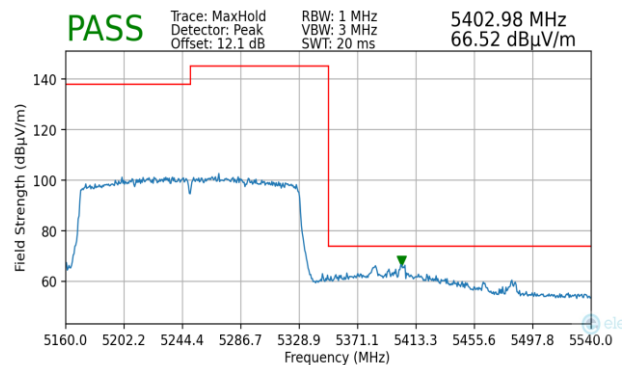


Plot 7-438. Radiated Lower Band Edge Plot SISO ANT1 (Peak – UNII Band 1)

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



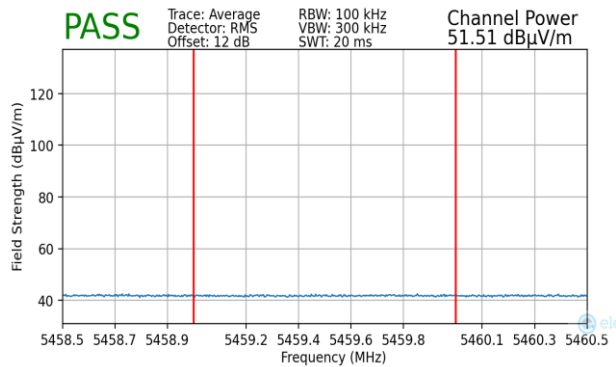
Plot 7-439. Radiated Upper Band Edge Plot SISO ANT1 (Average – UNII Band 2A)



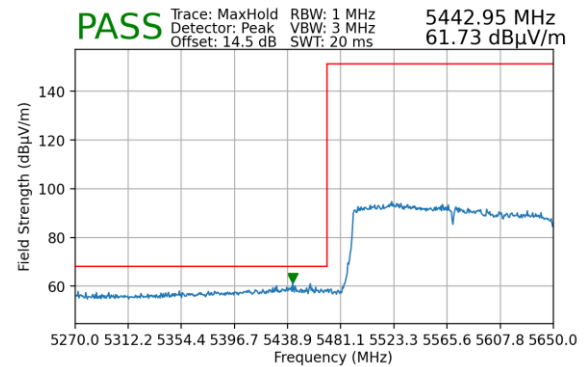
Plot 7-440. Radiated Upper Band Edge Plot SISO ANT1 (Peak – UNII Band 2A)

FCC ID: A3LSMF721U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204080051-14-R1.A3L	Test Dates: 4/8/2022 – 7/12/2022	EUT Type: Portable Handset	Page 274 of 304

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

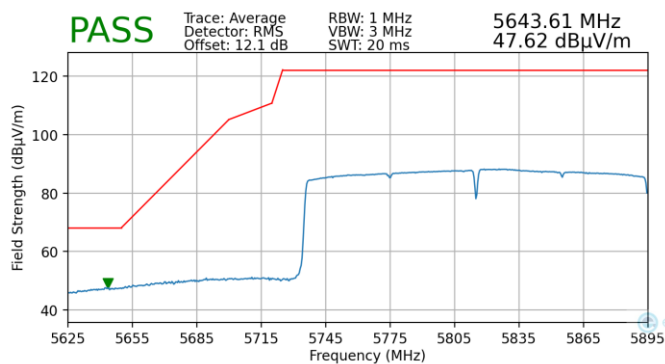


Plot 7-441. Radiated Lower Band Edge Plot SISO ANT1 (Average – UNII Band 2C)

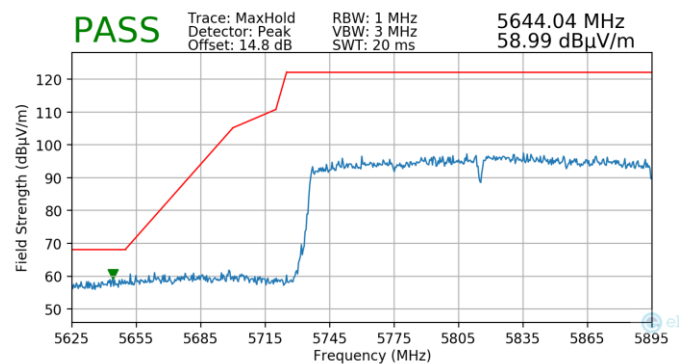


Plot 7-442. Radiated Lower Band Edge Plot SISO ANT1 (Peak – UNII Band 2C)

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



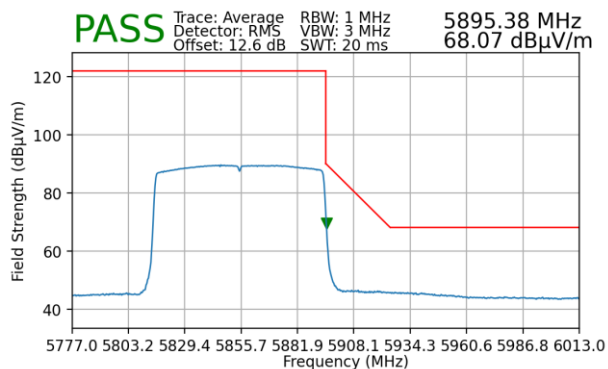
Plot 7-443. Radiated Lower Band Edge Plot SISO ANT1 (Average – UNII Band 4)



Plot 7-444. Radiated Lower Band Edge Plot SISO ANT1 (Peak – UNII Band 4)

FCC ID: A3LSMF721U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204080051-14-R1.A3L	Test Dates: 4/8/2022 – 7/12/2022	EUT Type: Portable Handset	Page 275 of 304

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



**Plot 7-445. Radiated Upper Band Edge Plot SISO
ANT1 (Average – UNII Band 4)**

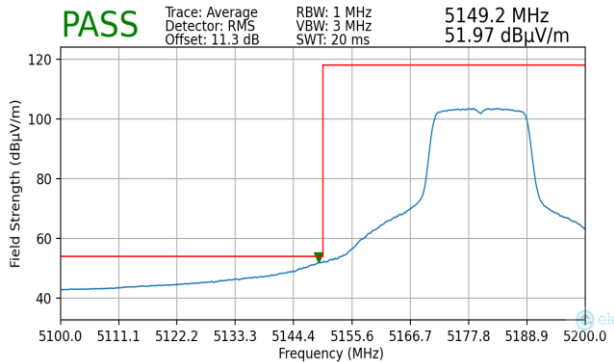
FCC ID: A3LSMF721U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204080051-14-R1.A3L	Test Dates: 4/8/2022 – 7/12/2022	EUT Type: Portable Handset	Page 276 of 304

V9.0 02/01/2019

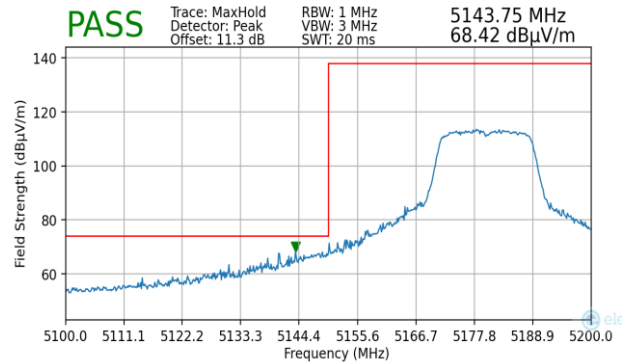
7.6.8 MIMO Radiated Band Edge Measurements (20MHz BW)

§15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

Worst Case Mode:	802.11n
Worst Case Transfer Rate:	MCS8
Distance of Measurements:	3 Meters
Operating Frequency:	5180MHz
Channel:	36

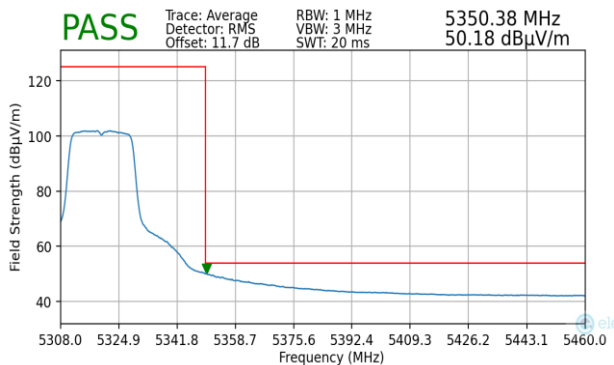


Plot 7-446. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1)

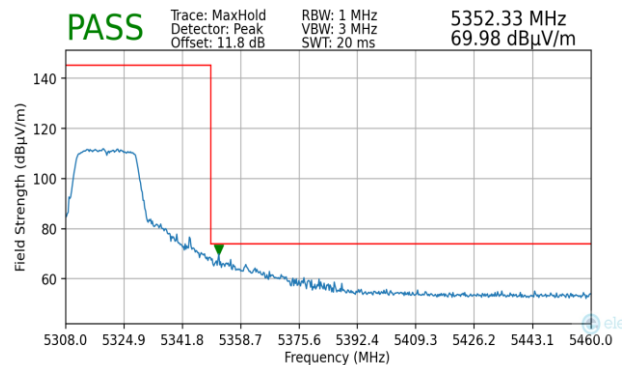


Plot 7-447. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1)

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



Plot 7-448. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A)



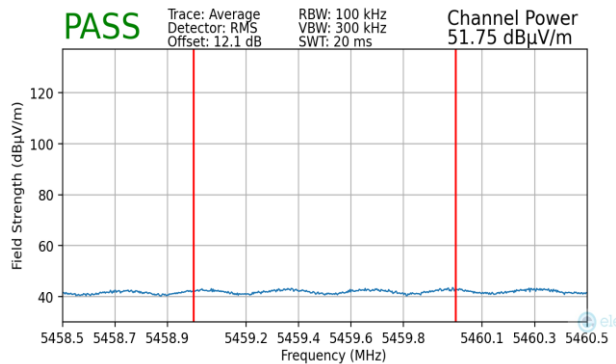
Plot 7-449. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A)

FCC ID: A3LSMF721U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204080051-14-R1.A3L	Test Dates: 4/8/2022 – 7/12/2022	EUT Type: Portable Handset	Page 277 of 304

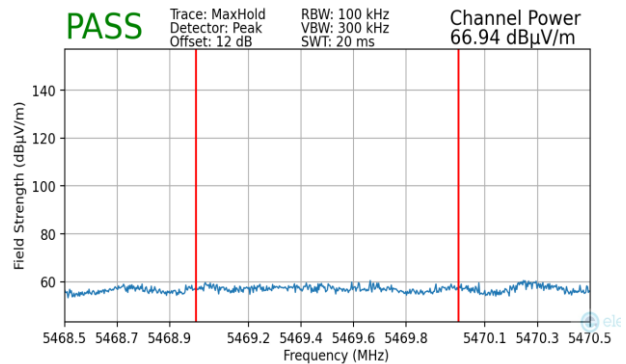
V9.0 02/01/2019

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without written permission from Element. If you have any questions about this or have an inquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.

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

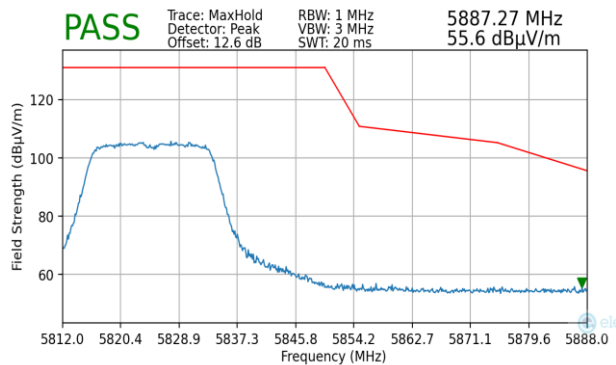


Plot 7-450. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C)



Plot 7-451. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C)

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



Plot 7-452. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 3)

FCC ID: A3LSMF721U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2204080051-14-R1.A3L	Test Dates: 4/8/2022 – 7/12/2022	EUT Type: Portable Handset	Page 278 of 304