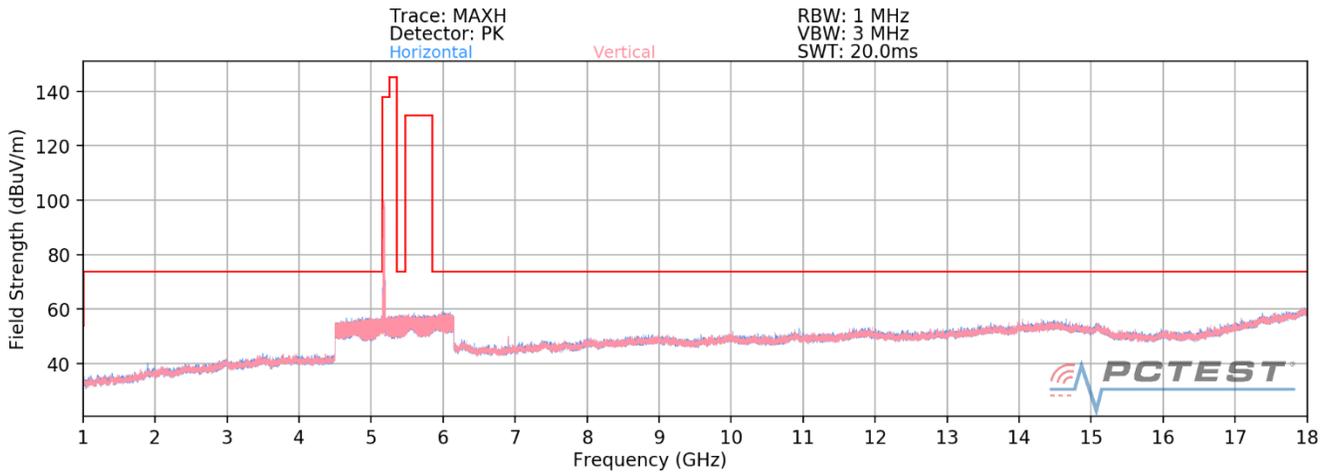
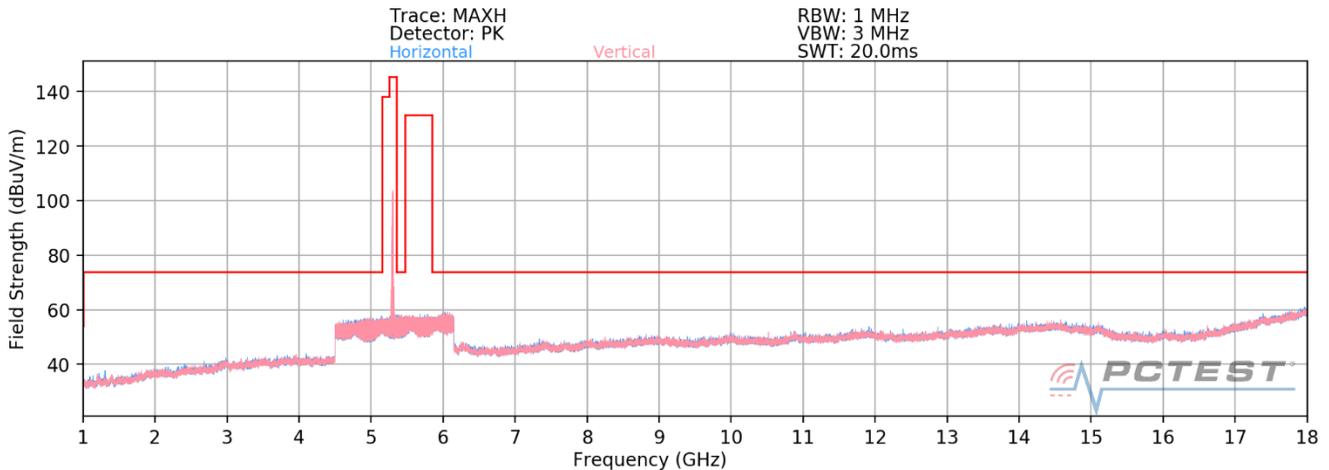


Plot 7-424. Radiated Spurious Plot above 1GHz SISO ANT1 (802.11a – U3 Ch. 157) Open

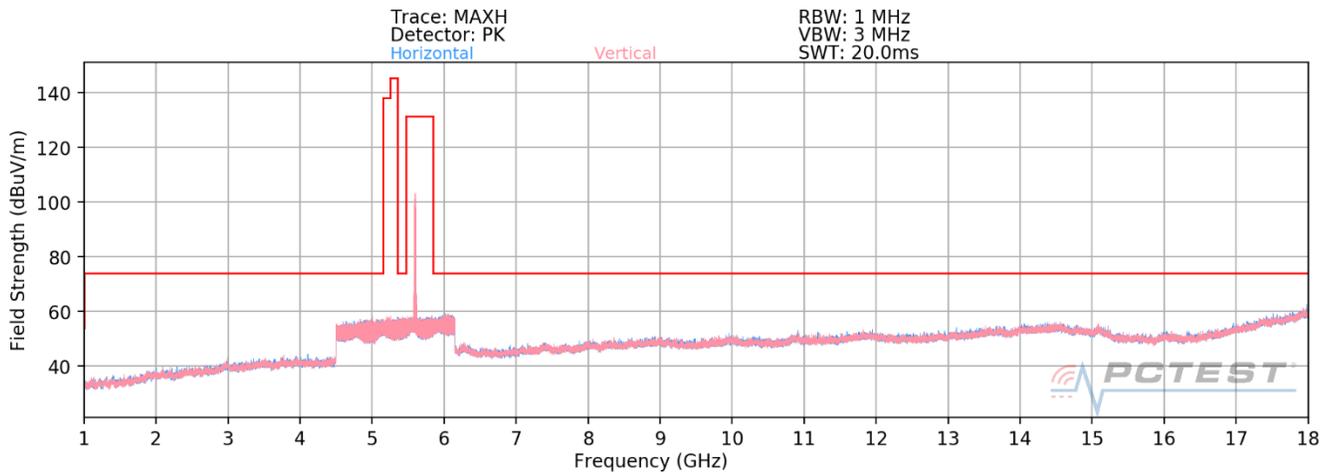


Plot 7-425. Radiated Spurious Plot above 1GHz SISO ANT1 (802.11a – U1 Ch. 40) Closed

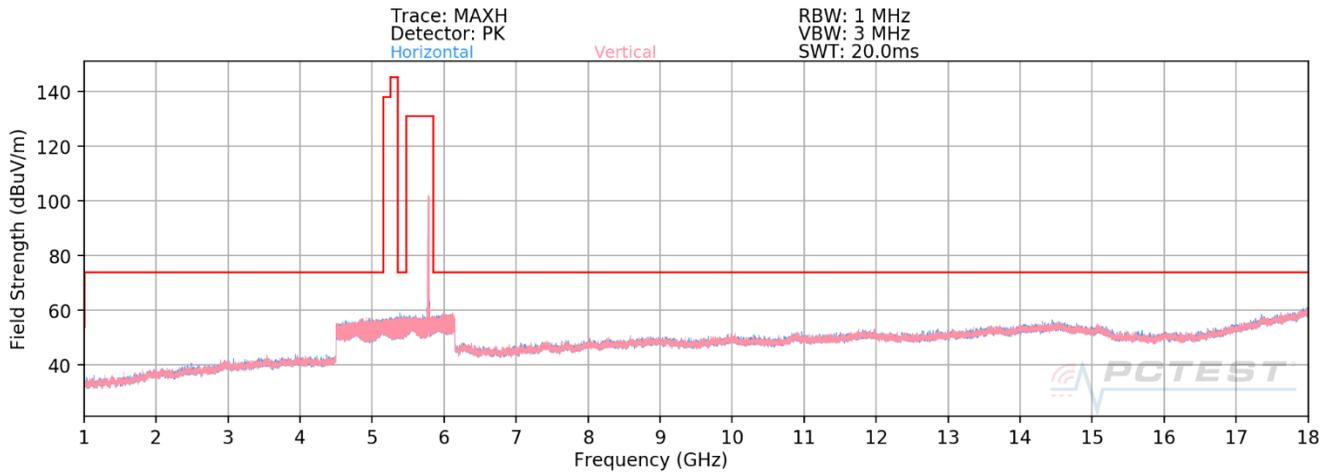


Plot 7-426. Radiated Spurious Plot above 1GHz SISO ANT1 (802.11a – U2A Ch. 56) Closed

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset		Page 248 of 309



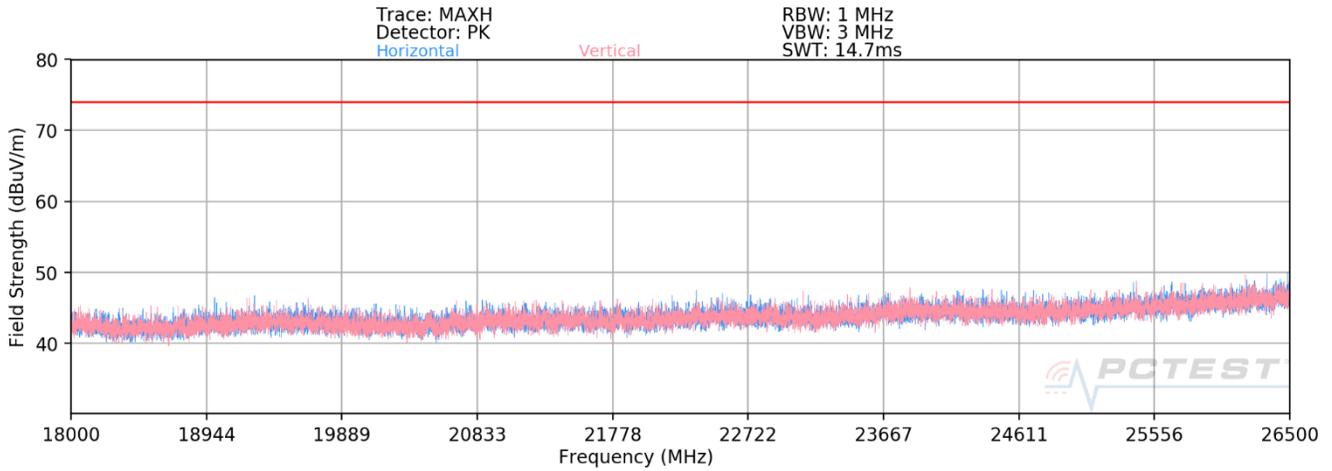
Plot 7-427. Radiated Spurious Plot above 1GHz SISO ANT1 (802.11a – U2C Ch. 120) Closed



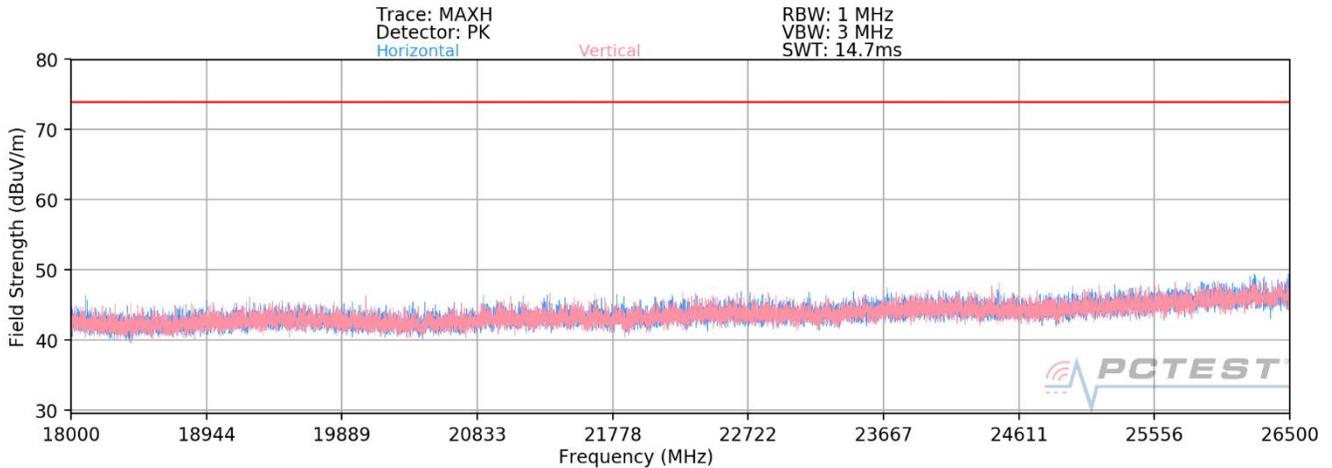
Plot 7-428. Radiated Spurious Plot above 1GHz SISO ANT1 (802.11a – U3 Ch. 157) Closed

FCC ID: A3LSMF926U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset	Page 249 of 309	

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

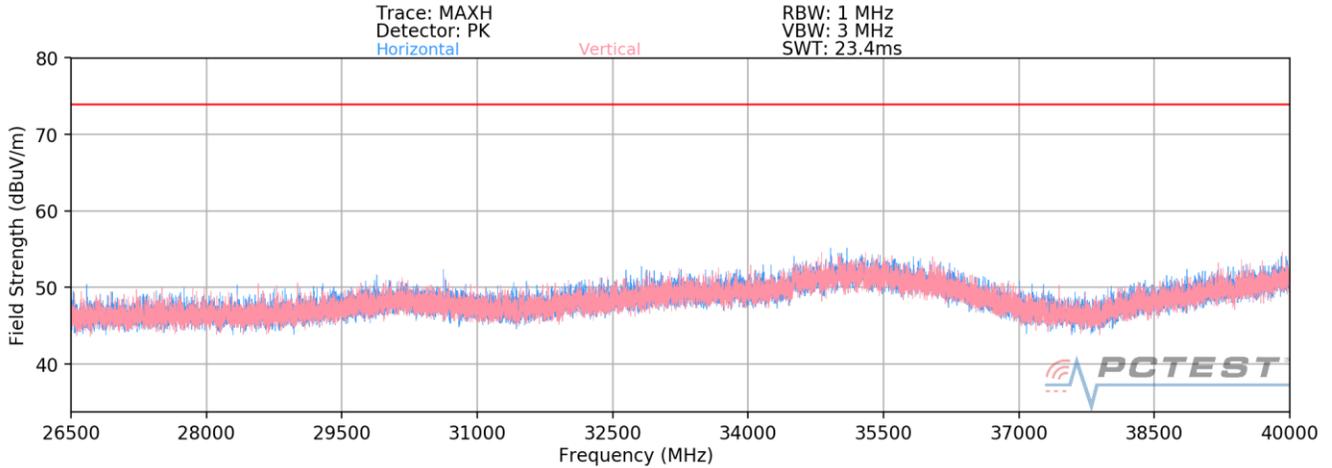


Plot 7-429. Radiated Spurious Plot 18GHz - 26.5GHz (802.11a) Open

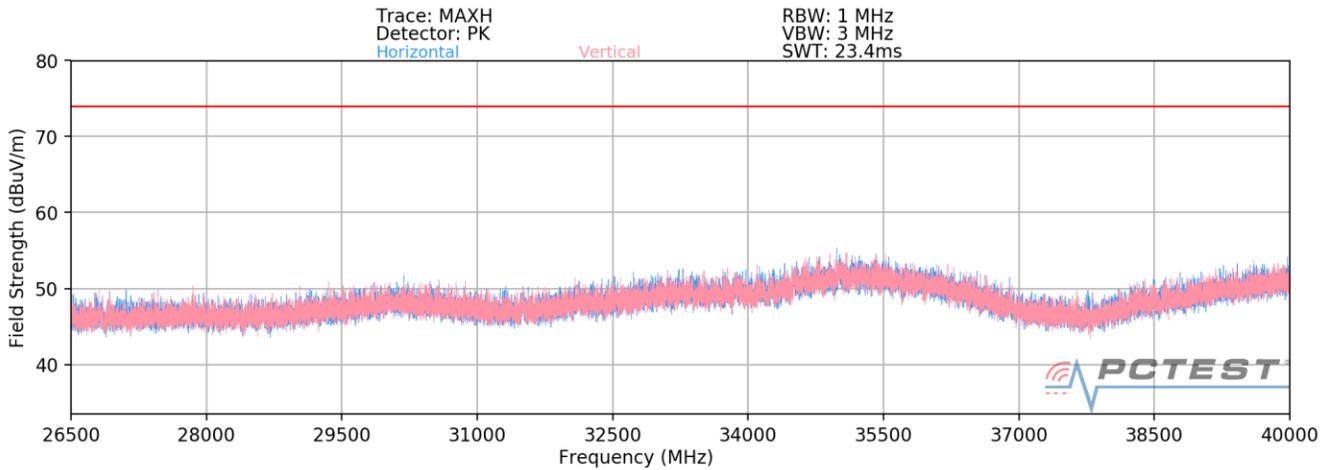


Plot 7-430. Radiated Spurious Plot 18GHz - 26.5GHz (802.11a) Closed

FCC ID: A3LSMF926U	 MEASUREMENT REPORT (CERTIFICATION) 		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset	Page 250 of 309



Plot 7-431. Radiated Spurious Plot 26.5GHz - 40GHz (802.11a) Open



Plot 7-432. Radiated Spurious Plot 26.5GHz - 40GHz (802.11a) Closed

FCC ID: A3LSMF926U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset	Page 251 of 309	

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	-	-	-72.44	15.49	0.00	50.05	68.20	-18.15
* 15540.00	Average	H	-	-	-83.83	22.68	0.00	45.85	53.98	-8.13
* 15540.00	Peak	H	-	-	-75.29	22.68	0.00	54.39	73.98	-19.59
* 20720.00	Average	H	-	-	-66.88	4.48	-9.54	35.06	53.98	-18.92
* 20720.00	Peak	H	-	-	-56.41	4.48	-9.54	45.53	73.98	-28.45
25900.00	Peak	H	-	-	-55.70	6.92	-9.54	48.67	68.20	-19.53

Table 7-28. Radiated Measurements SISO ANT1

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	-	-	-73.52	15.52	0.00	49.00	68.20	-19.20
* 15600.00	Average	H	-	-	-83.66	22.77	0.00	46.11	53.98	-7.87
* 15600.00	Peak	H	-	-	-74.48	22.77	0.00	55.29	73.98	-18.69
* 20800.00	Average	H	-	-	-66.76	4.88	-9.54	35.58	53.98	-18.40
* 20800.00	Peak	H	-	-	-56.29	4.88	-9.54	46.05	73.98	-27.93
26000.00	Peak	H	-	-	-55.95	7.10	-9.54	48.61	68.20	-19.59

Table 7-29. Radiated Measurements SISO ANT1

FCC ID: A3LSMF926U	 PCTEST® Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset	Page 252 of 309	

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	-	-	-72.61	15.45	0.00	49.84	68.20	-18.36
* 15720.00	Average	H	-	-	-83.05	22.76	0.00	46.71	53.98	-7.27
* 15720.00	Peak	H	-	-	-74.93	22.76	0.00	54.83	73.98	-19.15
* 20960.00	Average	H	-	-	-67.39	5.01	-9.54	35.07	53.98	-18.91
* 20960.00	Peak	H	-	-	-57.12	5.01	-9.54	45.35	73.98	-28.63
26200.00	Peak	H	-	-	-54.95	6.99	-9.54	49.49	68.20	-18.71

Table 7-30. Radiated Measurements SISO ANT1

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	-	-	-73.59	15.75	0.00	49.16	68.20	-19.04
* 15780.00	Average	H	-	-	-83.28	22.89	0.00	46.61	53.98	-7.37
* 15780.00	Peak	H	-	-	-75.03	22.89	0.00	54.86	73.98	-19.12
* 21040.00	Average	H	-	-	-66.73	4.88	-9.54	35.60	53.98	-18.38
* 21040.00	Peak	H	-	-	-56.22	4.88	-9.54	46.12	73.98	-27.86
26300.00	Peak	H	-	-	-55.67	7.06	-9.54	48.85	68.20	-19.35

Table 7-31. Radiated Measurements SISO ANT1

FCC ID: A3LSMF926U	 PCTEST [®] Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset	Page 253 of 309	

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	-	-	-73.65	16.14	0.00	49.49	68.20	-18.71
* 15840.00	Average	H	-	-	-83.81	23.17	0.00	46.36	53.98	-7.62
* 15840.00	Peak	H	-	-	-74.47	23.17	0.00	55.70	73.98	-18.28
* 21120.00	Average	H	-	-	-67.08	5.08	-9.54	35.45	53.98	-18.52
* 21120.00	Peak	H	-	-	-56.02	5.08	-9.54	46.52	73.98	-27.46
26400.00	Peak	H	-	-	-55.71	7.43	-9.54	49.18	68.20	-19.02

Table 7-32. Radiated Measurements SISO ANT1

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	-	-	-82.87	16.06	0.00	40.19	53.98	-13.79
* 10640.00	Peak	H	-	-	-74.41	16.06	0.00	48.65	73.98	-25.33
* 15960.00	Average	H	-	-	-83.01	23.29	0.00	47.28	53.98	-6.70
* 15960.00	Peak	H	-	-	-73.96	23.29	0.00	56.33	73.98	-17.65
* 21280.00	Average	H	-	-	-66.99	5.14	-9.54	35.61	53.98	-18.37
* 21280.00	Peak	H	-	-	-55.52	5.14	-9.54	47.08	73.98	-26.90
26600.00	Peak	H	-	-	-57.89	7.21	-9.54	46.78	68.20	-21.42

Table 7-33. Radiated Measurements SISO ANT1

FCC ID: A3LSMF926U	 PCTEST [®] Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset	Page 254 of 309	

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	-	-	-83.65	16.78	0.00	40.13	53.98	-13.85
* 11000.00	Peak	H	-	-	-74.84	16.78	0.00	48.94	73.98	-25.04
16500.00	Peak	H	-	-	-74.96	24.50	0.00	56.54	68.20	-11.66
22000.00	Peak	H	-	-	-59.06	5.16	-9.54	43.56	68.20	-24.64
27500.00	Peak	H	-	-	-56.31	7.69	-9.54	48.84	68.20	-19.36

Table 7-34. Radiated Measurements SISO ANT1

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]
* 12000.00	Average	H	-	-	-81.95	18.64	0.00	43.69	53.98	-10.29
* 12000.00	Peak	H	-	-	-74.67	18.64	0.00	50.97	73.98	-23.01
16800.00	Peak	H	-	-	-73.88	24.48	0.00	57.60	68.20	-10.60
* 22400.00	Average	H	-	-	-66.65	5.45	-9.54	36.26	53.98	-17.72
* 22400.00	Peak	H	-	-	-56.66	5.45	-9.54	46.25	73.98	-27.73
28000.00	Peak	H	-	-	-55.80	7.97	-9.54	49.62	68.20	-18.58

Table 7-35. Radiated Measurements SISO ANT1

FCC ID: A3LSMF926U	 PCTEST® Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset	Page 255 of 309	

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]
* 11480.00	Average	H	-	-	-83.29	17.99	0.00	41.70	53.98	-12.27
* 11480.00	Peak	H	-	-	-74.80	17.99	0.00	50.19	73.98	-23.78
17220.00	Peak	H	-	-	-75.67	24.81	0.00	56.14	68.20	-12.06
* 22960.00	Average	H	-	-	-66.73	5.31	-9.54	36.04	53.98	-17.94
* 22960.00	Peak	H	-	-	-55.50	5.31	-9.54	47.27	73.98	-26.71
28700.00	Peak	H	-	-	-55.87	7.97	-9.54	49.56	68.20	-18.64

Table 7-36. Radiated Measurements SISO ANT1

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	-	-	-83.62	17.82	0.00	41.20	53.98	-12.78
* 11490.00	Peak	H	-	-	-74.80	17.82	0.00	50.02	73.98	-23.96
17235.00	Peak	H	-	-	-75.81	25.21	0.00	56.40	68.20	-11.80
* 22980.00	Average	H	-	-	-66.52	5.29	-9.54	36.23	53.98	-17.75
* 22980.00	Peak	H	-	-	-56.74	5.29	-9.54	46.01	73.98	-27.97
28725.00	Peak	H	-	-	-55.89	8.24	-9.54	49.81	68.20	-18.39

Table 7-37. Radiated Measurements SISO ANT1

FCC ID: A3LSMF926U	 PCTEST® Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset	Page 256 of 309	

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	-	-	-83.07	17.80	0.00	41.73	53.98	-12.25
* 11570.00	Peak	H	-	-	-74.11	17.80	0.00	50.69	73.98	-23.29
17355.00	Peak	H	-	-	-73.95	26.23	0.00	59.28	68.20	-8.92
23140.00	Peak	H	-	-	-56.21	5.34	-9.54	46.59	68.20	-21.61
28925.00	Peak	H	-	-	-56.70	8.47	-9.54	49.23	68.20	-18.97

Table 7-38. Radiated Measurements SISO ANT1

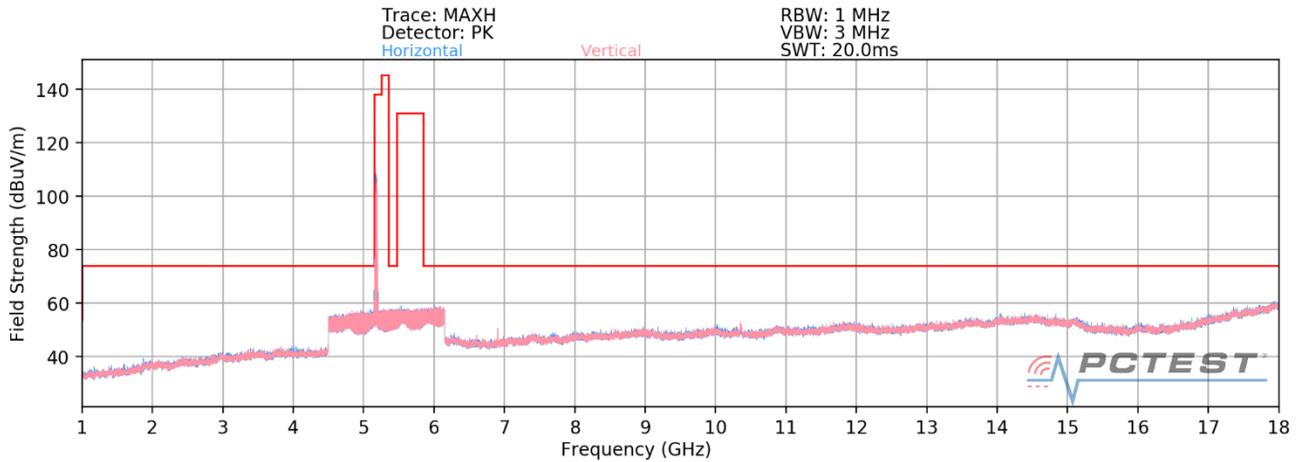
Worst Case Mode: 802.11a
 Worst Case Transfer Rate: 6Mbps
 Distance of Measurements: 1 & 3 Meters
 Operating Frequency: 5825MHz
 Channel: 165

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	-	-	-82.72	18.05	0.00	42.33	53.98	-11.65
* 11650.00	Peak	H	-	-	-74.56	18.05	0.00	50.49	73.98	-23.49
17475.00	Peak	H	-	-	-75.95	25.87	0.00	56.92	68.20	-11.28
23300.00	Peak	H	-	-	-56.44	5.29	-9.54	46.31	68.20	-21.89
29125.00	Peak	H	-	-	-55.49	8.49	-9.54	50.45	68.20	-17.75

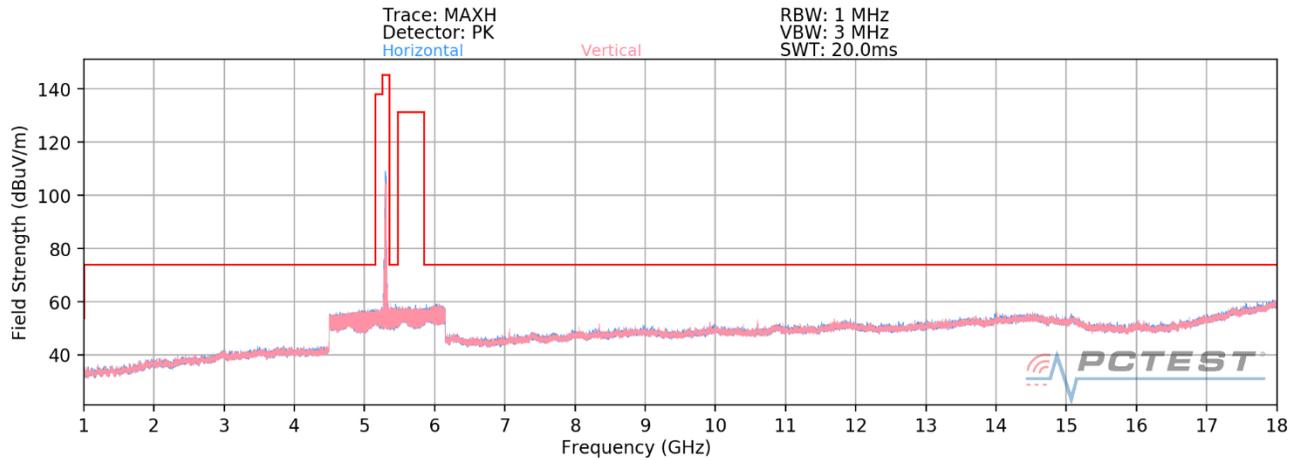
Table 7-39. Radiated Measurements SISO ANT1

FCC ID: A3LSMF926U	 PCTEST [®] Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset		Page 257 of 309

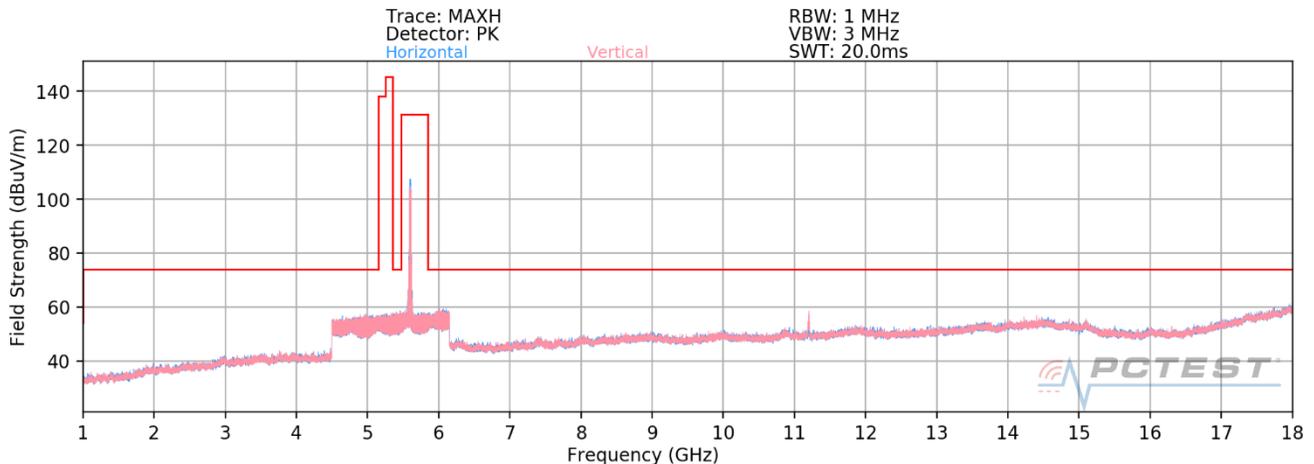
6.6.2 MIMO Radiated Spurious Emission Measurements



Plot 7-433. Radiated Spurious Plot above 1GHz MIMO (802.11a – U1 Ch. 40) Open

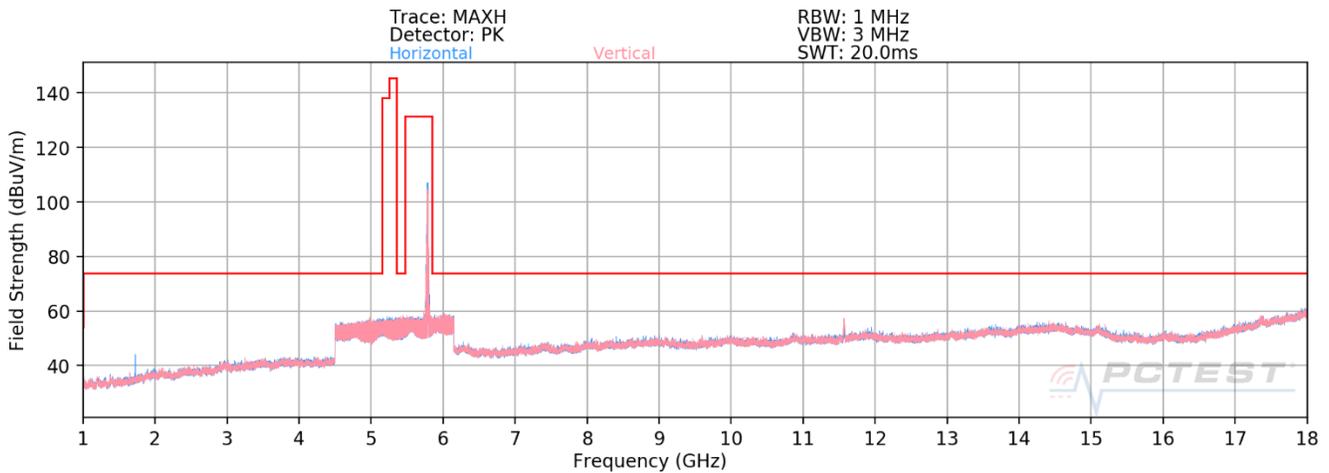


Plot 7-434. Radiated Spurious Plot above 1GHz MIMO (802.11a – U2A Ch. 56) Open

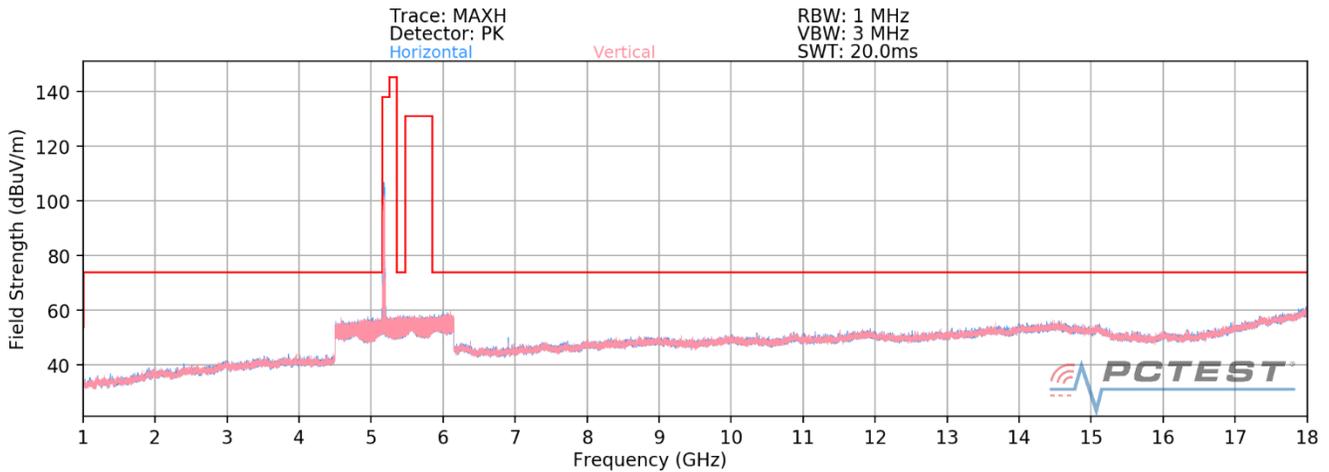


Plot 7-435. Radiated Spurious Plot above 1GHz MIMO (802.11a – U2C Ch. 120) Open

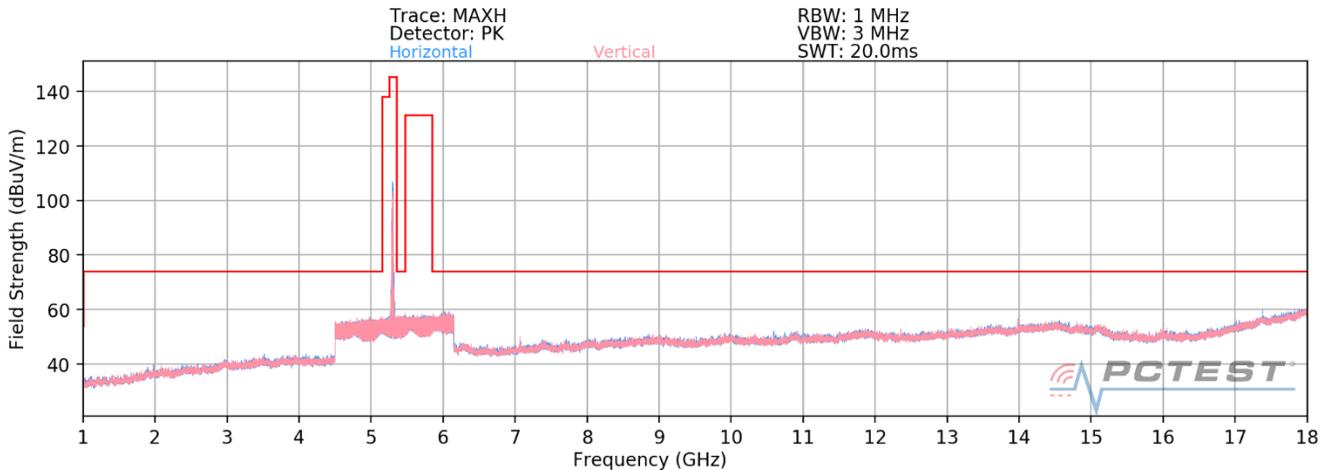
FCC ID: A3LSMF926U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset		Page 258 of 309



Plot 7-436. Radiated Spurious Plot above 1GHz MIMO (802.11a – U3 Ch. 157) Open

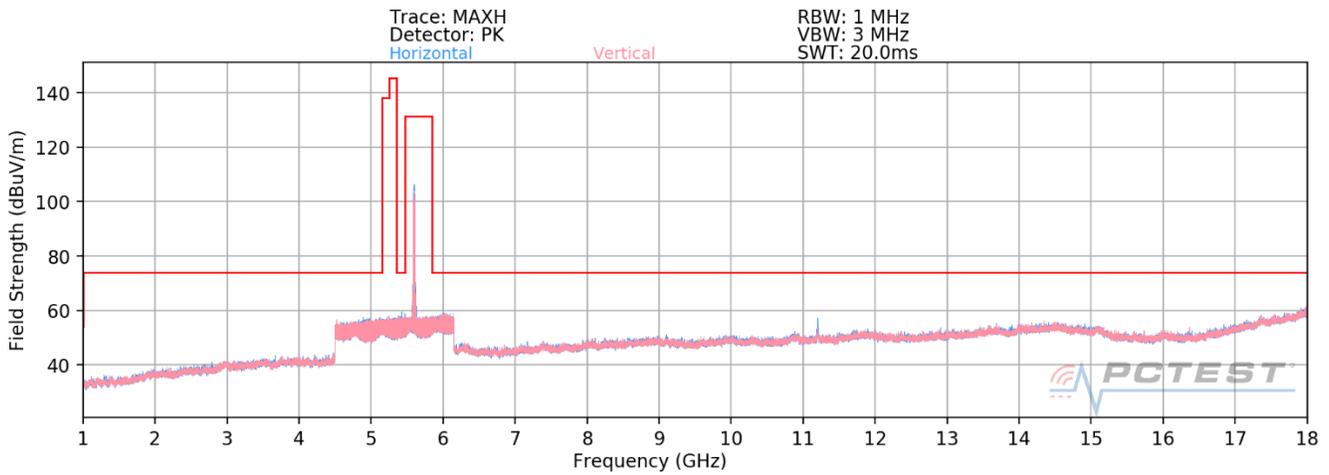


Plot 7-437. Radiated Spurious Plot above 1GHz MIMO (802.11a – U1 Ch. 40) Closed

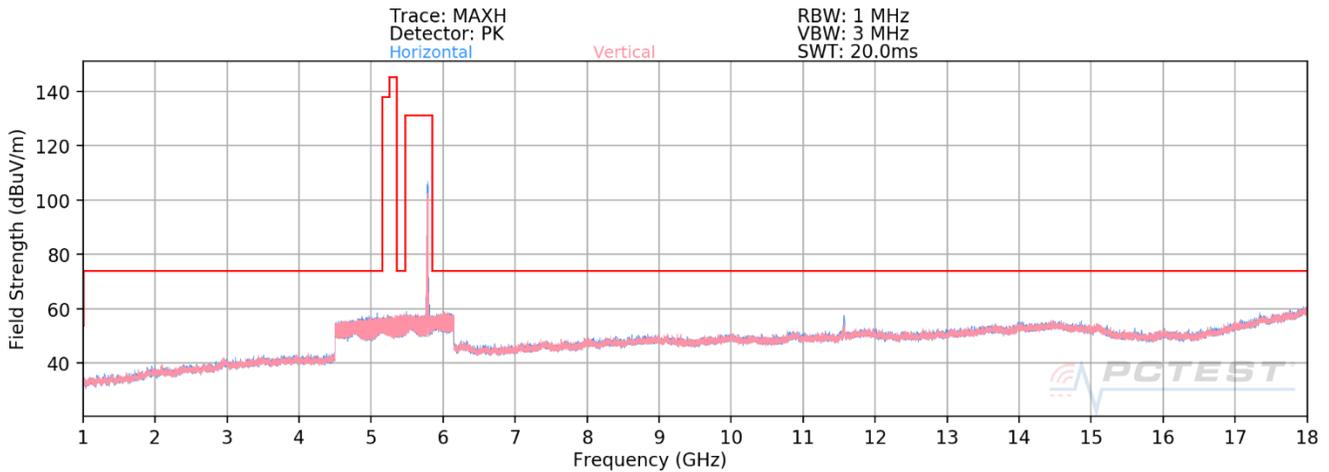


Plot 7-438. Radiated Spurious Plot above 1GHz MIMO (802.11a – U2A Ch. 56) Closed

FCC ID: A3LSMF926U	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset		Page 259 of 309



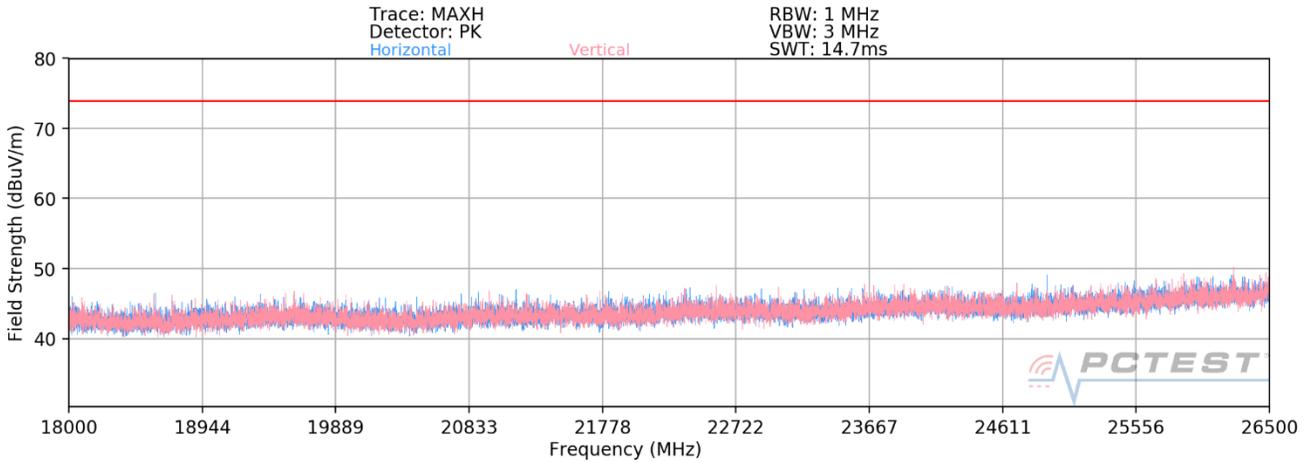
Plot 7-439. Radiated Spurious Plot above 1GHz MIMO (802.11a – U2C Ch. 120) Closed



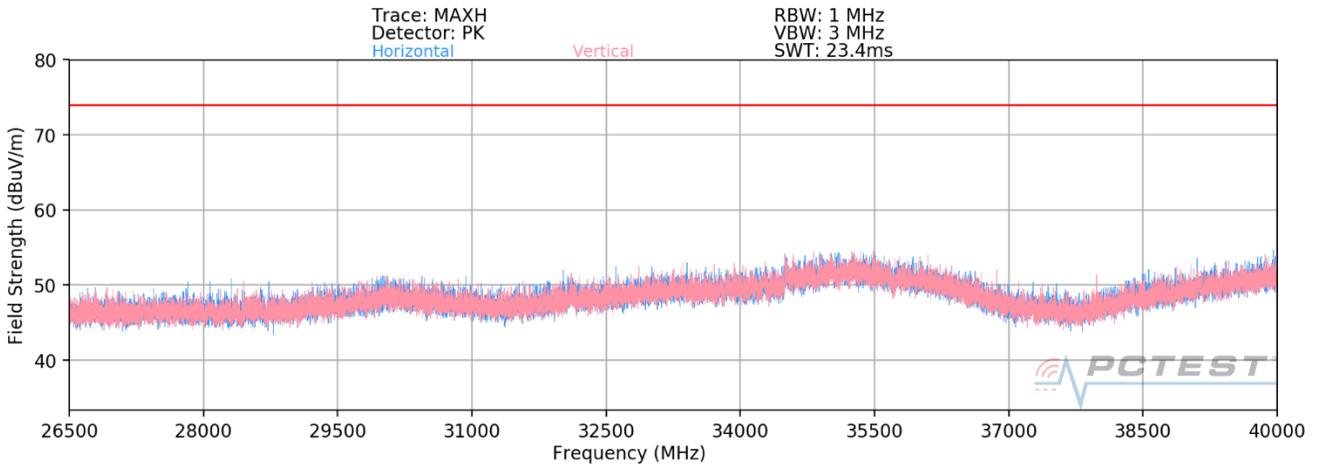
Plot 7-440. Radiated Spurious Plot above 1GHz MIMO (802.11a – U3 Ch. 157) Closed

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset		Page 260 of 309

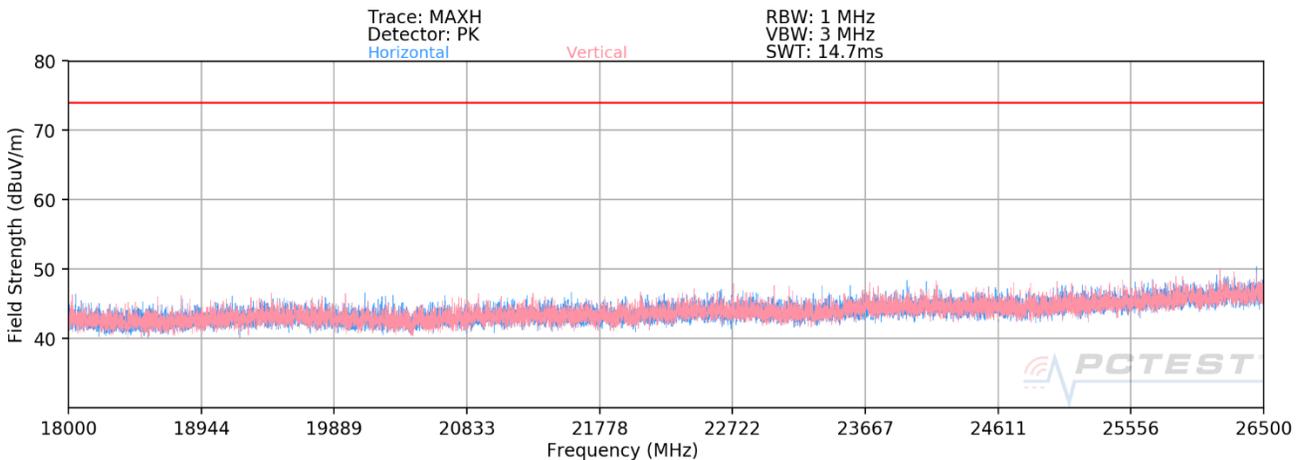
Radiated Spurious Emissions Measurements (Above 18GHz)



Plot 7-441. Radiated Spurious Plot 18GHz - 26.5GHz MIMO (802.11a) Open

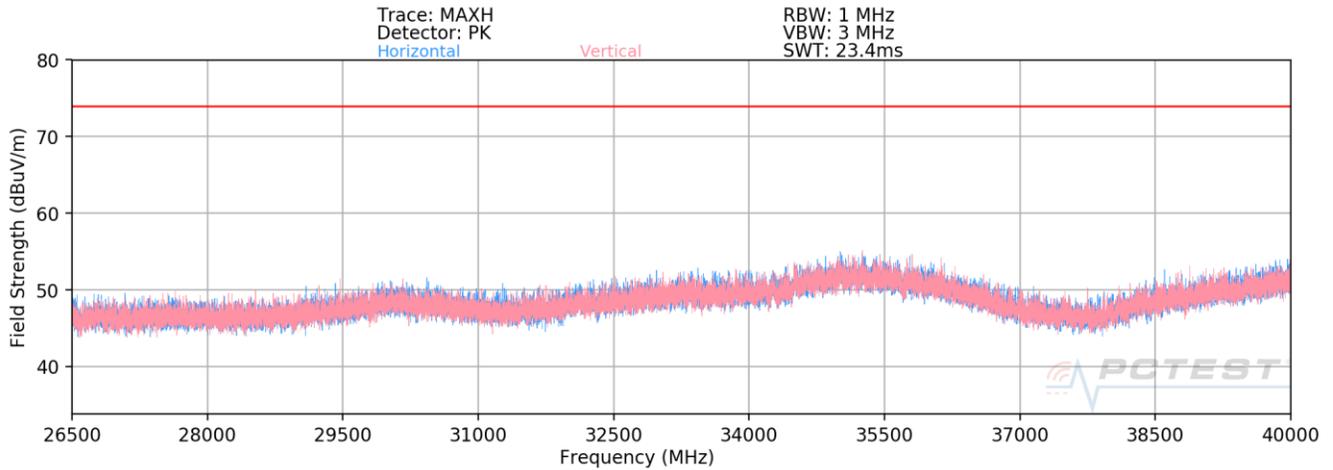


Plot 7-442. Radiated Spurious Plot 18GHz - 26.5GHz MIMO (802.11a) Open



Plot 7-443. Radiated Spurious Plot 26.5GHz - 40GHz MIMO (802.11a) Closed

FCC ID: A3LSMF926U	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset		Page 261 of 309



Plot 7-444. Radiated Spurious Plot 26.5GHz - 40GHz MIMO (802.11a) Closed

FCC ID: A3LSMF926U	 Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset	Page 262 of 309	

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	336	303	-63.65	12.08	0.00	55.43	68.20	-12.77
* 15540.00	Average	H	-	-	-82.17	13.13	0.00	37.96	53.98	-16.02
* 15540.00	Peak	H	-	-	-67.03	13.13	0.00	53.10	73.98	-20.88
* 20720.00	Average	H	-	-	-67.34	4.48	-9.54	34.60	53.98	-19.38
* 20720.00	Peak	H	-	-	-56.97	4.48	-9.54	44.97	73.98	-29.01
25900.00	Peak	H	-	-	-56.65	6.92	-9.54	47.73	68.20	-20.47

Table 7-40. Radiated Measurements MIMO

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	363	307	-64.35	11.66	0.00	54.31	68.20	-13.89
* 15600.00	Average	H	-	-	-82.83	13.90	0.00	38.07	53.98	-15.91
* 15600.00	Peak	H	-	-	-67.30	13.90	0.00	53.60	73.98	-20.38
* 20800.00	Average	H	-	-	-67.28	4.89	-9.54	35.07	53.98	-18.91
* 20800.00	Peak	H	-	-	-56.90	4.89	-9.54	45.45	73.98	-28.53
26000.00	Peak	H	-	-	-56.75	7.11	-9.54	47.82	68.20	-20.38

Table 7-41. Radiated Measurements MIMO

FCC ID: A3LSMF926U	 PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset	Page 263 of 309	

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	257	-66.16	11.81	0.00	52.65	68.20	-15.55
* 15720.00	Average	H	-	-	-83.11	14.30	0.00	38.19	53.98	-15.79
* 15720.00	Peak	H	-	-	-67.07	14.30	0.00	54.23	73.98	-19.75
* 20960.00	Average	H	-	-	-67.59	5.01	-9.54	34.88	53.98	-19.10
* 20960.00	Peak	H	-	-	-56.59	5.01	-9.54	45.88	73.98	-28.10
26200.00	Peak	H	-	-	-56.64	6.99	-9.54	47.81	68.20	-20.39

Table 7-42. Radiated Measurements MIMO

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	322	256	-66.13	12.25	0.00	53.12	68.20	-15.08
* 15780.00	Average	H	-	-	-83.22	14.25	0.00	38.03	53.98	-15.95
* 15780.00	Peak	H	-	-	-67.82	14.25	0.00	53.43	73.98	-20.55
* 21040.00	Average	H	-	-	-66.89	4.88	-9.54	35.45	53.98	-18.53
* 21040.00	Peak	H	-	-	-56.80	4.88	-9.54	45.54	73.98	-28.44
26300.00	Peak	H	-	-	-56.02	7.06	-9.54	48.50	68.20	-19.70

Table 7-43. Radiated Measurements MIMO

FCC ID: A3LSMF926U	 PCTEST® Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset	Page 264 of 309	

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	384	302	-63.88	12.67	0.00	55.79	68.20	-12.41
* 15840.00	Average	H	-	-	-83.31	14.00	0.00	37.69	53.98	-16.29
* 15840.00	Peak	H	-	-	-67.12	14.00	0.00	53.88	73.98	-20.10
* 21120.00	Average	H	-	-	-67.01	5.08	-9.54	35.53	53.98	-18.45
* 21120.00	Peak	H	-	-	-57.06	5.08	-9.54	45.48	73.98	-28.50
26400.00	Peak	H	-	-	-56.76	7.43	-9.54	48.13	68.20	-20.07

Table 7-44. Radiated Measurements MIMO

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	227	250	-80.91	12.71	0.00	38.80	53.98	-15.18
* 10640.00	Peak	H	227	250	-65.94	12.71	0.00	53.77	73.98	-20.21
* 15960.00	Average	H	-	-	-83.27	13.40	0.00	37.13	53.98	-16.85
* 15960.00	Peak	H	-	-	-67.42	13.40	0.00	52.98	73.98	-21.00
* 21280.00	Average	H	-	-	-66.74	5.14	-9.54	35.86	53.98	-18.12
* 21280.00	Peak	H	-	-	-56.85	5.14	-9.54	45.75	73.98	-28.23
26600.00	Peak	H	-	-	-55.76	7.21	-9.54	48.90	68.20	-19.30

Table 7-45. Radiated Measurements MIMO

FCC ID: A3LSMF926U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset		Page 265 of 309

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	-	-	-82.12	12.80	0.00	37.68	53.98	-16.30
* 11000.00	Peak	H	-	-	-67.42	12.80	0.00	52.38	73.98	-21.60
16500.00	Peak	H	-	-	-67.76	14.83	0.00	54.07	68.20	-14.13
22000.00	Peak	H	-	-	-56.45	5.16	-9.54	46.17	68.20	-22.03
27500.00	Peak	H	-	-	-55.51	7.69	-9.54	49.64	68.20	-18.56

Table 7-46. Radiated Measurements MIMO

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	275	56	-74.07	17.10	0.00	50.03	53.98	-3.95
* 11200.00	Peak	H	275	56	-60.78	17.10	0.00	63.32	73.98	-10.66
16800.00	Peak	H	-	-	-67.15	24.48	0.00	64.33	68.20	-3.87
* 22400.00	Average	H	-	-	-66.87	5.45	-9.54	36.04	53.98	-17.94
* 22400.00	Peak	H	-	-	-56.58	5.45	-9.54	46.33	73.98	-27.65
28000.00	Peak	H	-	-	-56.44	17.97	-9.54	58.99	68.20	-9.21

Table 7-47. Radiated Measurements MIMO

FCC ID: A3LSMF926U	 PCTEST® Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset	Page 266 of 309	

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	140	183	-70.99	13.04	0.00	49.05	53.98	-4.93
* 11440.00	Peak	H	140	183	-56.93	13.04	0.00	63.11	73.98	-10.87
17160.00	Peak	H	-	-	-67.26	17.56	0.00	57.30	68.20	-10.90
* 22880.00	Average	H	-	-	-67.27	5.42	-9.54	35.61	53.98	-18.37
* 22880.00	Peak	H	-	-	-56.24	5.42	-9.54	46.64	73.98	-27.34
28600.00	Peak	H	-	-	-56.83	8.29	-9.54	48.92	68.20	-19.28

Table 7-48. Radiated Measurements MIMO

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	185	203	-74.36	13.35	0.00	45.99	53.98	-7.99
* 11490.00	Peak	H	185	203	-60.40	13.35	0.00	59.95	73.98	-14.03
17235.00	Peak	H	-	-	-67.45	17.64	0.00	57.19	68.20	-11.01
* 22980.00	Average	H	-	-	-67.51	5.29	-9.54	35.24	53.98	-18.74
* 22980.00	Peak	H	-	-	-56.34	5.29	-9.54	46.41	73.98	-27.57
28725.00	Peak	H	-	-	-56.17	8.24	-9.54	49.53	69.20	-19.67

Table 7-49. Radiated Measurements MIMO

FCC ID: A3LSMF926U	 PCTEST [®] Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset	Page 267 of 309	

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	206	201	-74.61	13.30	0.00	45.69	53.98	-8.29
* 11570.00	Peak	H	206	201	-61.15	13.30	0.00	59.15	73.98	-14.83
17355.00	Peak	H	-	-	-67.92	20.23	0.00	59.31	68.20	-8.89
23140.00	Peak	H	-	-	-56.50	5.34	-9.54	46.30	68.20	-21.90
28925.00	Peak	H	-	-	-56.39	8.47	-9.54	49.54	68.20	-18.66

Table 7-50. Radiated Measurements MIMO

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	190	208	-77.05	18.05	0.00	48.00	53.98	-5.98
* 11650.00	Peak	H	190	208	-62.46	18.05	0.00	62.59	73.98	-11.39
17475.00	Peak	H	-	-	-70.23	25.87	0.00	62.64	68.20	-5.56
23300.00	Peak	H	-	-	-56.43	5.29	-9.54	46.32	68.20	-21.88
29125.00	Peak	H	-	-	-56.46	8.49	-9.54	49.49	68.20	-18.71

Table 7-51. Radiated Measurements MIMO

FCC ID: A3LSMF926U	 PCTEST® Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset	Page 268 of 309	

Worst Case Mode: 802.11a
 Worst Case Transfer Rate: 6Mbps
 Distance of Measurements: 1 & 3 Meters
 Operating Frequency: 5600MHz
 Channel: 2

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	-	-	-72.11	17.10	0.00	51.99	53.98	-1.99
* 11200.00	Peak	H	-	-	-61.41	17.10	0.00	62.69	73.98	-11.29
16800.00	Peak	H	-	-	-66.59	24.48	0.00	64.89	68.20	-3.31
22400.00	Average	H	-	-	-66.76	5.45	-9.54	36.15	53.98	-17.83
22400.00	Peak	H	-	-	-56.34	5.45	-9.54	46.57	73.98	-27.41
28000.00	Peak	H	-	-	-56.80	17.97	-9.54	58.63	68.20	-9.57

Table 7-52. Radiated Measurements with WCP MIMO

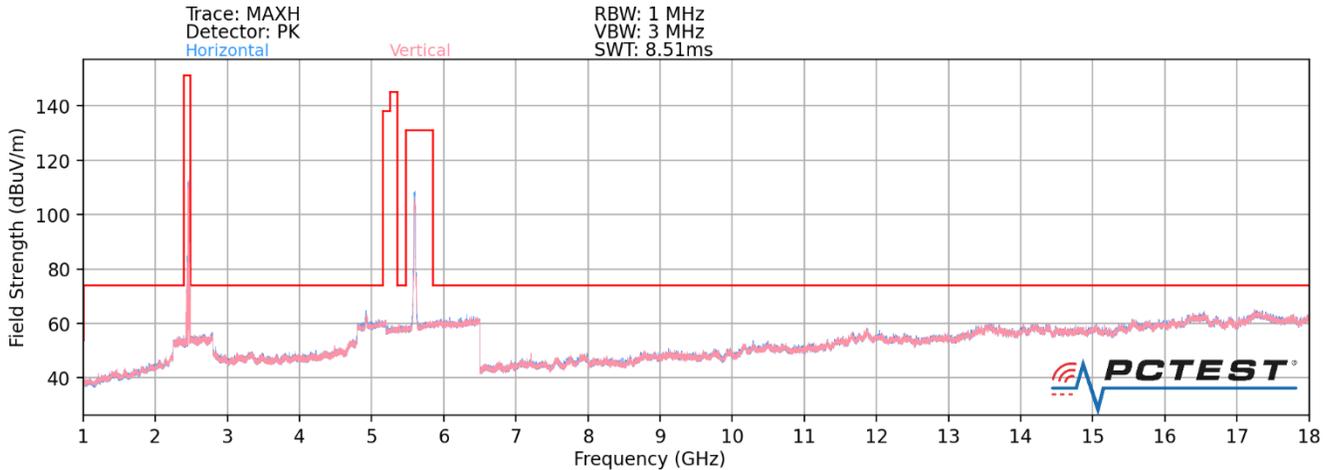
FCC ID: A3LSMF926U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset	Page 269 of 309	

6.6.3 Simultaneous Tx Radiated Spurious Emissions Measurements

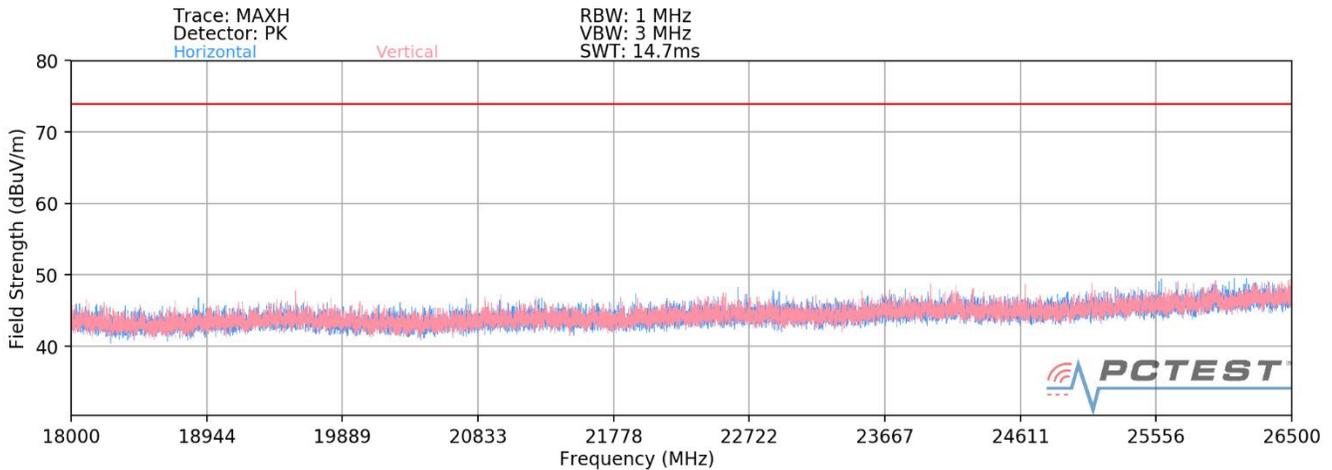
§15.407(b) §15.205 & §15.209; RSS-Gen [8.9]

Description	2.4 GHz Tx	5 GHz Tx
Antenna	1, 2	1, 2
Channel	11	120
Operating Frequency (MHz)	2462	5600
Data Rate (Mbps)	1	MCS0
Mode	802.11b	802.11ax

Table 7-53. Simultaneous Transmission Config-1

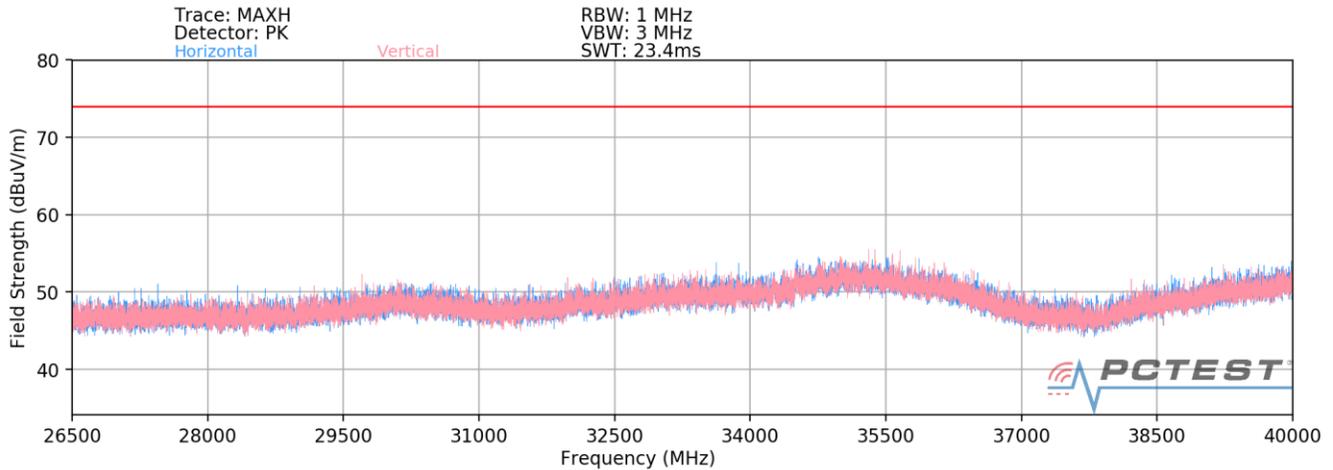


Plot 7-445. Radiated Spurious Plot above 1GHz (2.4GHz – 5GHz)



Plot 7-446. Radiated Spurious Plot 18GHz – 26.5GHz (2.4GHz – 5GHz)

FCC ID: A3LSMF926U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset		Page 270 of 309



Plot 7-447. Radiated Spurious Plot above 26.5GHz (2.4GHz – 5GHz)

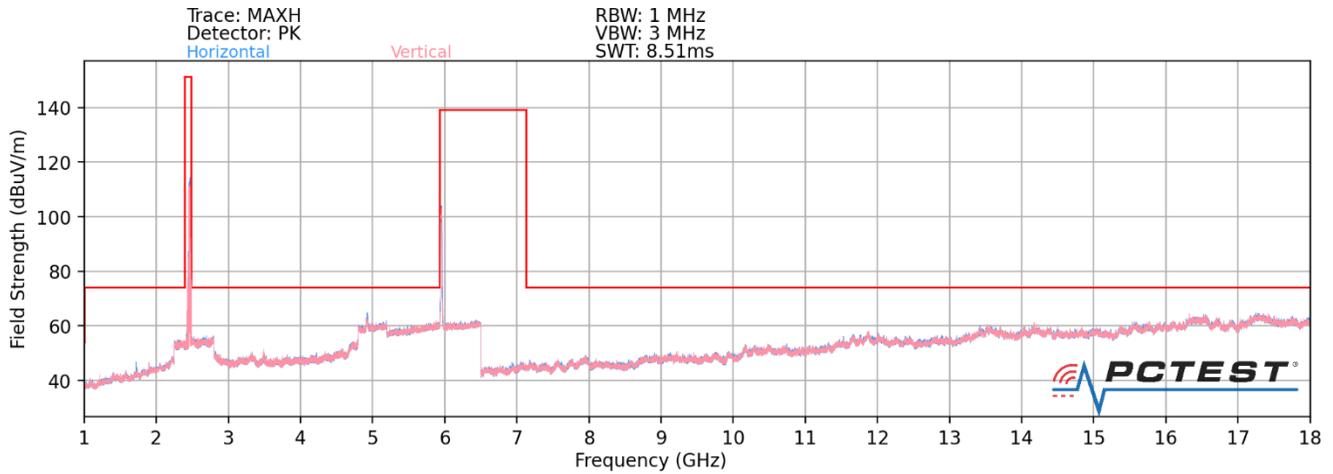
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
3814.00	Avg	H	-	-	-80.98	9.08	0.00	35.10	53.98	-18.88
3814.00	Peak	H	-	-	-68.83	9.08	0.00	47.25	73.98	-26.73
6952.00	Avg	H	-	-	-82.76	15.86	0.00	40.10	53.98	-13.88
6952.00	Peak	H	-	-	-70.64	15.86	0.00	52.22	73.98	-21.76
8738.00	Avg	H	-	-	-83.56	18.43	0.00	41.87	53.98	-12.11
8738.00	Peak	H	-	-	-73.80	18.43	0.00	51.63	73.98	-22.35
18152.00	Avg	H	-	-	-65.35	3.67	-9.54	35.78	53.98	-18.20
18152.00	Peak	H	-	-	-55.86	3.67	-9.54	45.27	73.98	-28.71

Table 7-54. Radiated Measurements (ANT1 2.4GHz – ANT2 5GHz)

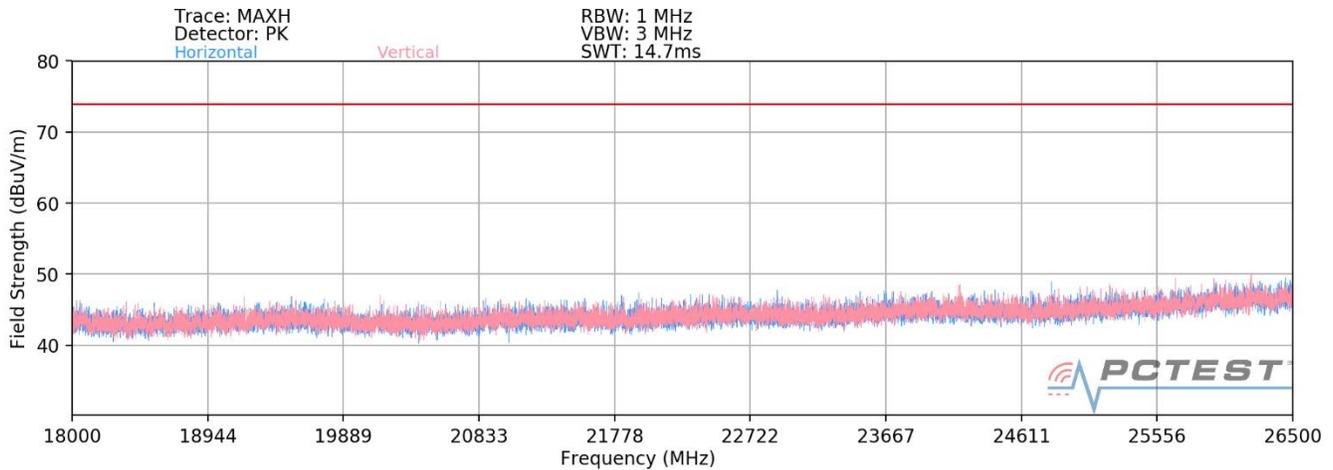
FCC ID: A3LSMF926U	 PCTEST [®] Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset		Page 271 of 309

Description	2.4 GHz Tx	6 GHz Tx
Antenna	1, 2	1, 2
Channel	11	2
Operating Frequency (MHz)	2462	5935
Data Rate (Mbps)	1	MCS0
Mode	802.11b	802.11ax

Table 7-55. Simultaneous Transmission Config-2

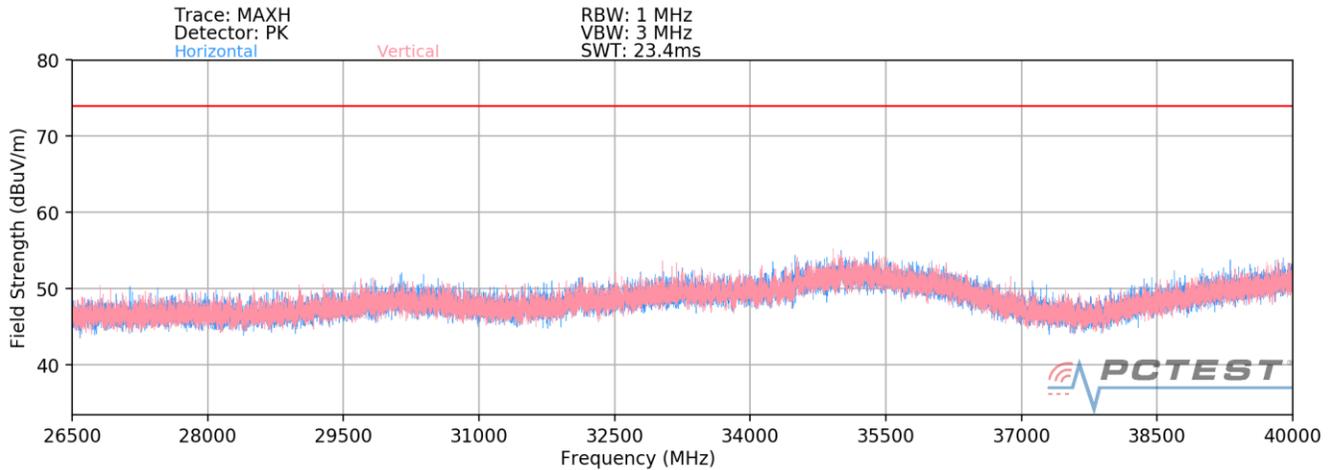


Plot 7-448. Radiated Spurious Plot above 1GHz (5GHz – 2.4 GHz)



Plot 7-449. Radiated Spurious Plot 18GHz – 26.5GHz (5GHz – 2.4 GHz)

FCC ID: A3LSMF926U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset	Page 272 of 309	



Plot 7-450. Radiated Spurious Plot above 26.5GHz (5GHz – 2.4 GHz)

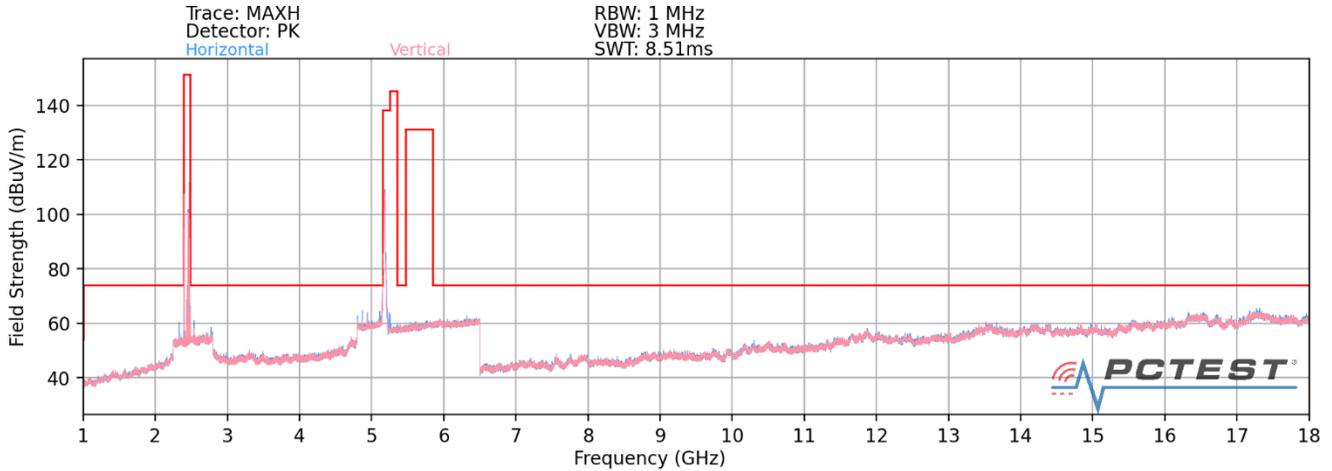
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4524.00	Avg	H	-	-	-81.21	10.06	0.00	35.85	53.98	-18.13
4524.00	Peak	H	-	-	-69.74	10.06	0.00	47.32	73.98	-26.66
9448.00	Avg	H	-	-	-84.11	19.66	0.00	42.55	53.98	-11.43
9448.00	Peak	H	-	-	-72.06	19.66	0.00	54.60	73.98	-19.38
11510.00	Avg	H	-	-	-84.65	23.81	0.00	46.16	53.98	-7.82
11510.00	Peak	H	-	-	-73.08	23.81	0.00	57.73	73.98	-16.25
19927.00	Avg	H	-	-	-65.46	4.35	-9.54	36.35	53.98	-17.63
19927.00	Peak	H	-	-	-55.17	4.35	-9.54	46.64	73.98	-27.34

Table 7-56. Radiated Measurements (ANT1 5GHz – ANT2 2.4GHz)

FCC ID: A3LSMF926U	 PCTEST [®] Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset		Page 273 of 309

Description	Bluetooth	2.4 GHz Tx	5GHz Tx
Antenna	1	2	1, 2
Channel	0	11	36
Operating Frequency (MHz)	2402	2462	5180
Data Rate (Mbps)	1	1	MCS0
Mode	GFSK	802.11b	802.11ax

Table 7-57. Dual Band Simultaneous Transmission

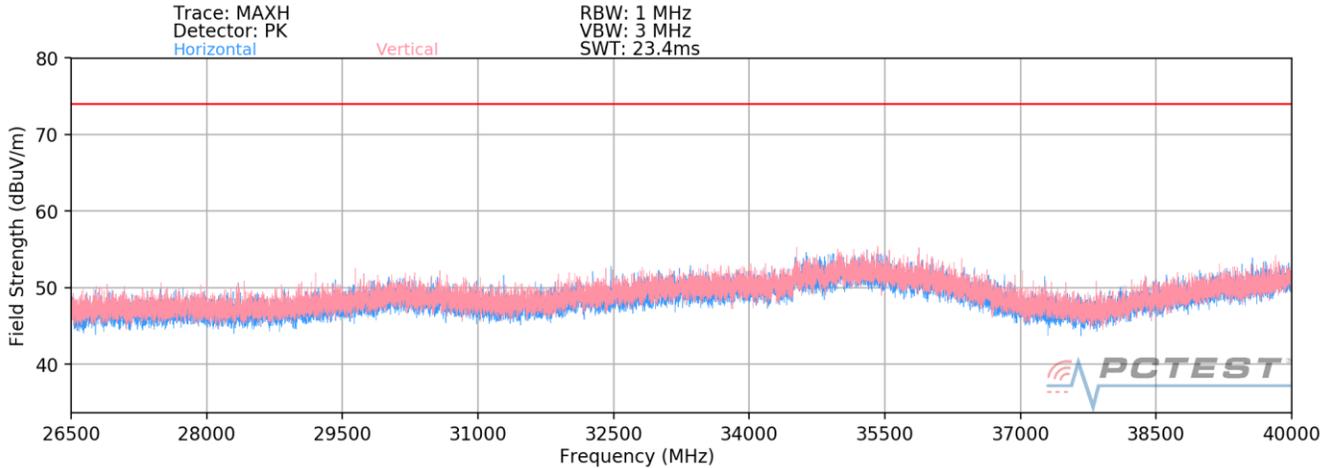


Plot 7-451. Radiated Spurious Plot above 1GHz (Dual Band Simult. Tx)



Plot 7-452. Radiated Spurious Plot 18GHz – 26.5GHz (Dual Band Simult. Tx)

FCC ID: A3LSMF926U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset		Page 274 of 309



Plot 7-453. Radiated Spurious Plot above 26.5GHz (Dual Band Simult. Tx)

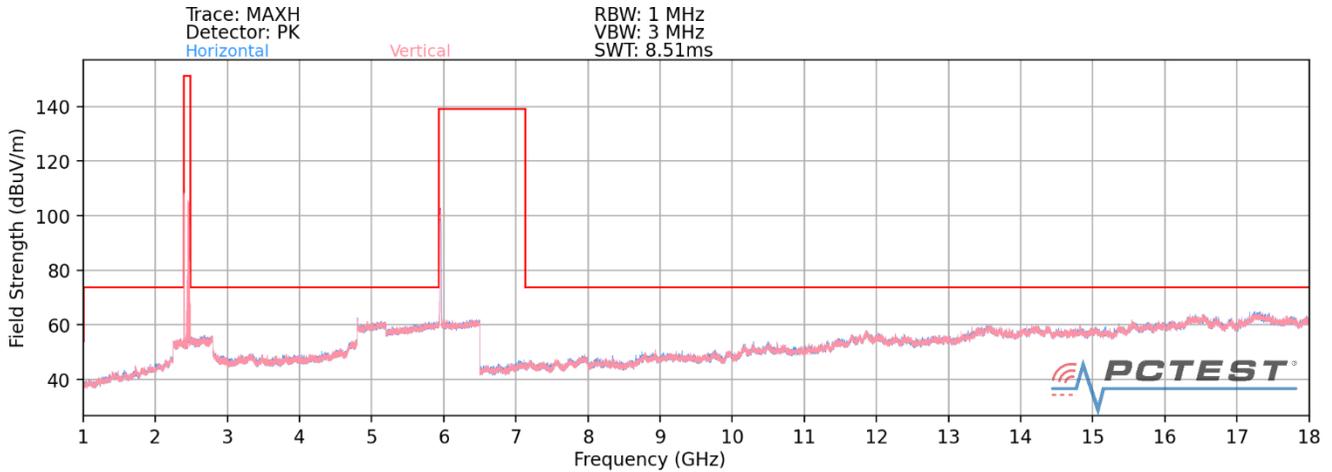
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
3094.00	Avg	H	-	-	-80.21	7.14	0.00	33.93	53.98	-20.05
3094.00	Peak	H	-	-	-68.17	7.14	0.00	45.97	73.98	-28.01
7898.00	Avg	H	101.00	66.00	-82.54	17.49	0.00	41.95	53.98	-12.03
7898.00	Peak	H	101.00	66.00	-70.61	17.49	0.00	53.88	73.98	-20.10
10676.00	Avg	H	-	-	-83.84	21.16	0.00	44.32	53.98	-9.66
10676.00	Peak	H	-	-	-71.84	21.16	0.00	56.32	73.98	-17.66
18212.00	Avg	H	-	-	-65.31	3.84	-9.54	35.99	53.98	-17.99
18212.00	Peak	H	-	-	-55.42	3.84	-9.54	45.88	73.98	-28.10

Table 7-58. Radiated Measurements (Dual Band Simult. Tx)

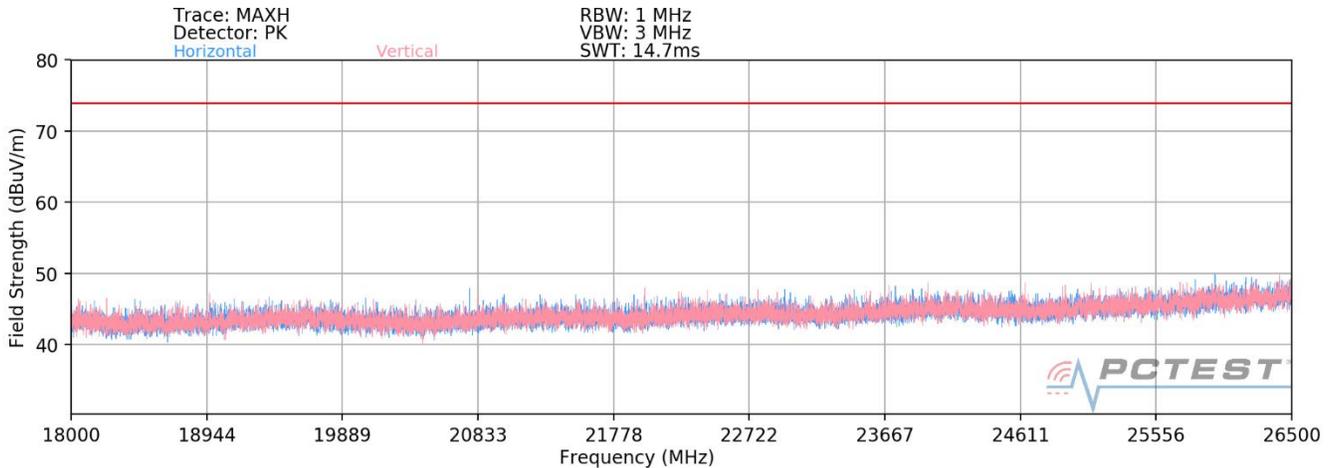
FCC ID: A3LSMF926U	 PCTEST [®] Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset		Page 275 of 309

Description	Bluetooth	2.4 GHz Tx	6 GHz Tx
Antenna	1	2	1, 2
Channel	0	11	2
Operating Frequency (MHz)	2402	2462	5935
Data Rate (Mbps)	1	1	MCS0
Mode	GFSK	802.11b	802.11ax

Table 7-59. Dual Band Simultaneous Transmission Config – 4

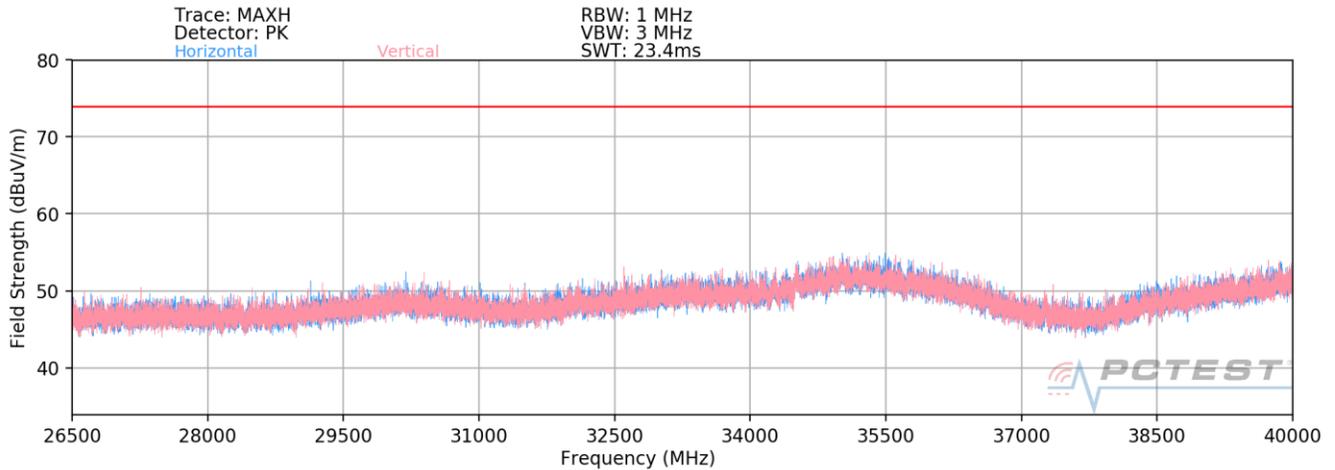


Plot 7-454. Radiated Spurious Plot above 1GHz (Dual Band Simult. Tx)



Plot 7-455. Radiated Spurious Plot 18GHz – 26.5GHz (Dual Band Simult. Tx)

FCC ID: A3LSMF926U	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset		Page 276 of 309



Plot 7-456. Radiated Spurious Plot above 26.5GHz (Dual Band Simult. Tx)

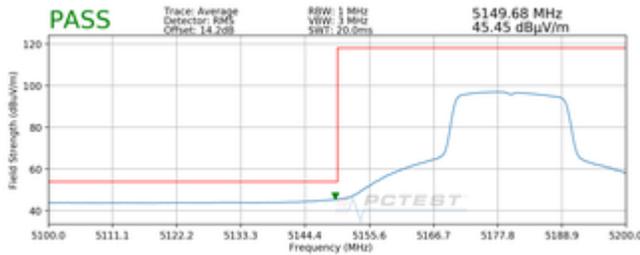
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4704.00	Avg	H	-	-	-81.18	10.04	0.00	35.86	53.98	-18.12
4704.00	Peak	H	-	-	-68.39	10.04	0.00	48.65	73.98	-25.33
9448.00	Avg	H	-	-	-83.74	19.01	0.00	42.27	53.98	-11.71
9448.00	Peak	H	-	-	-71.92	19.01	0.00	54.09	73.98	-19.89
12941.00	Avg	H	-	-	-84.68	25.59	0.00	47.91	53.98	-6.07
12941.00	Peak	H	-	-	-73.94	25.59	0.00	58.65	73.98	-15.33
19987.00	Avg	H	-	-	-65.65	4.21	-9.54	36.02	74.98	-38.96
19987.00	Peak	H	-	-	-55.46	4.21	-9.54	46.21	73.98	-27.77

Table 7-60. Radiated Measurements (Dual Band Simult. Tx)

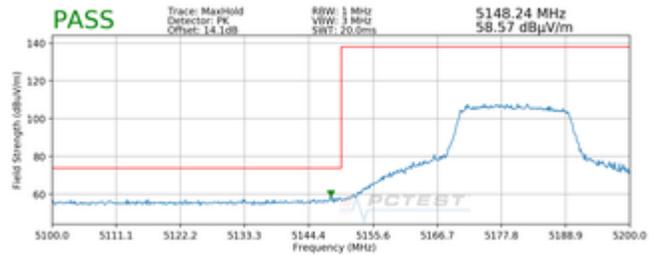
FCC ID: A3LSMF926U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset		Page 277 of 309

6.6.4 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: 802.11ax SU
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5180MHz
 Channel: 36

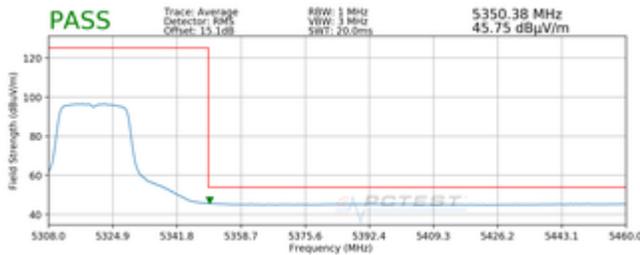


Plot 7-457. Radiated Lower Band Edge Plot (Average – UNII Band 1)

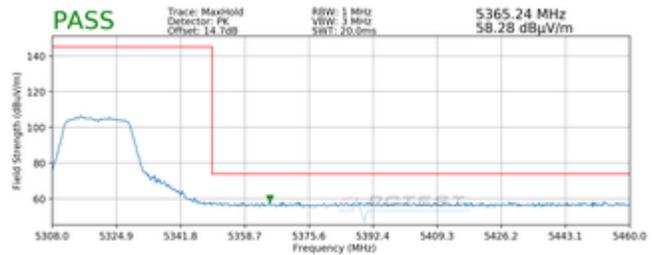


Plot 7-458. Radiated Lower Band Edge Plot (Peak – UNII Band 1)

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



Plot 7-459. Radiated Upper Band Edge Plot (Average – UNII Band 2A)



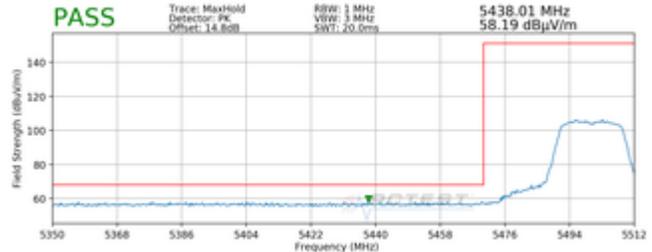
Plot 7-460. Radiated Upper Band Edge Plot (Peak – UNII Band 2A)

FCC ID: A3LSMF926U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset		Page 278 of 309

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

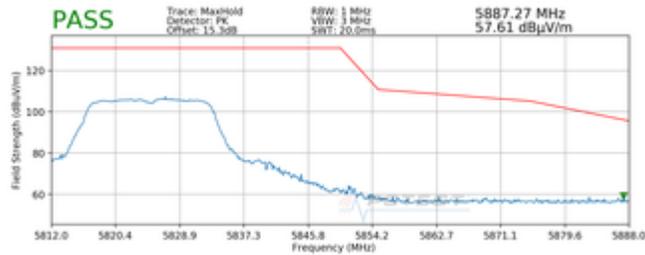


Plot 7-461. Radiated Lower Band Edge Plot (Average – UNII Band 2C)



Plot 7-462. Radiated Lower Band Edge Plot (Peak – UNII Band 2C)

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



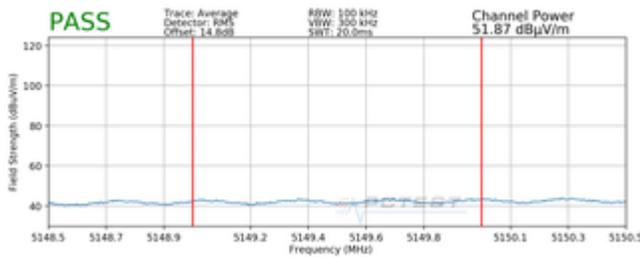
Plot 7-463. Radiated Upper Band Edge Plot (Peak – UNII Band 3)

FCC ID: A3LSMF926U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset		Page 279 of 309

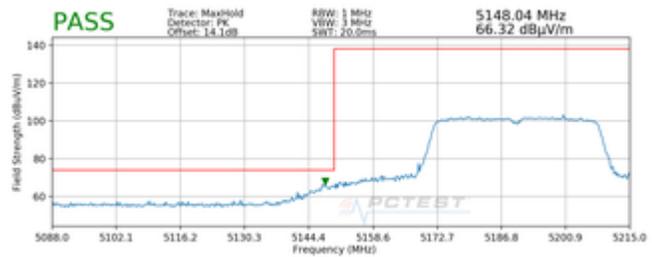
6.6.5 SISO Antenna 1 - Radiated Band Edge Measurements (40MHz BW)

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

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

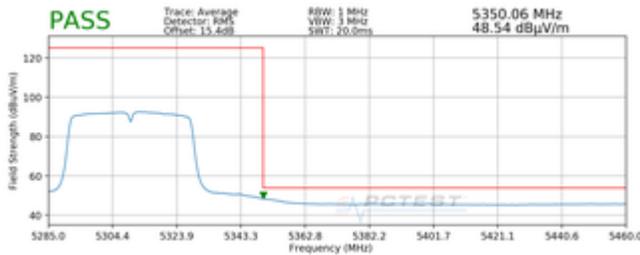


Plot 7-464. Radiated Lower Band Edge Plot (Average – UNII Band 1)

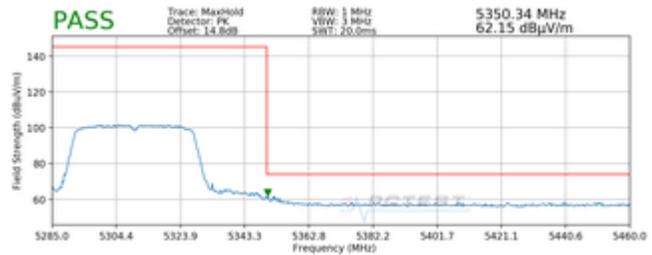


Plot 7-465. Radiated Lower Band Edge Plot (Peak – UNII Band 1)

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



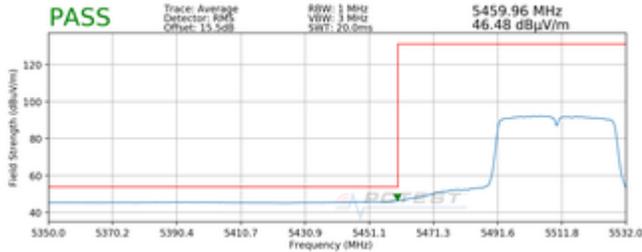
Plot 7-466. Radiated Upper Band Edge Plot (Average – UNII Band 2A)



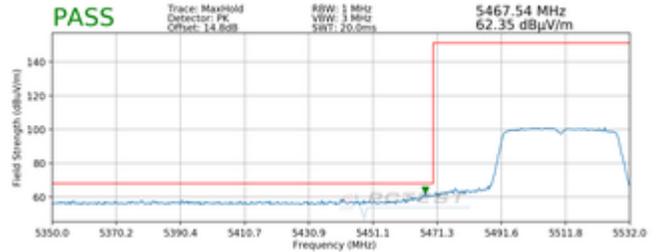
Plot 7-467. Radiated Upper Band Edge Plot (Peak – UNII Band 2A)

FCC ID: A3LSMF926U	 PCTEST® Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset		Page 280 of 309

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

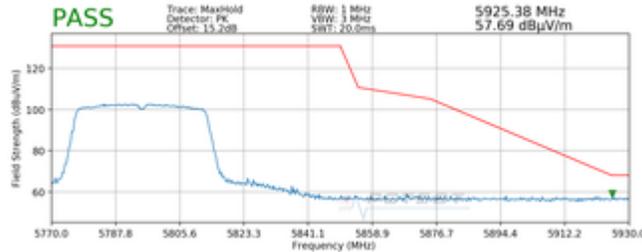


Plot 7-468. Radiated Lower Band Edge Plot (Average – UNII Band 2C)



Plot 7-469. Radiated Lower Band Edge Plot (Peak – UNII Band 2C)

Worst Case Mode: 802.11n
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5755MHz
 Channel: 159

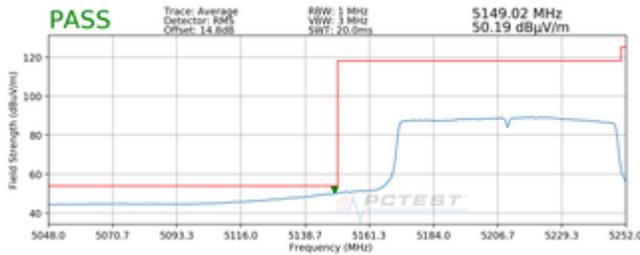


Plot 7-470. Radiated Upper Band Edge Plot (Peak – UNII Band 3)

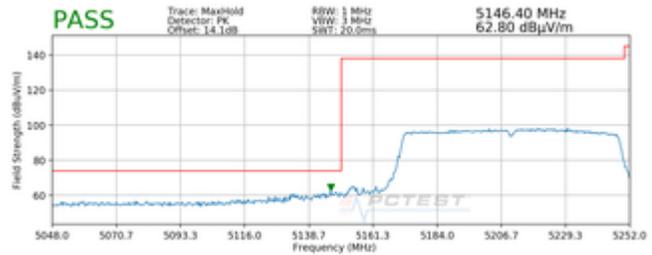
FCC ID: A3LSMF926U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset		Page 281 of 309

6.6.6 SISO Antenna 1 - Radiated Band Edge Measurements (80MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]; RSS-Gen [8.9]

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

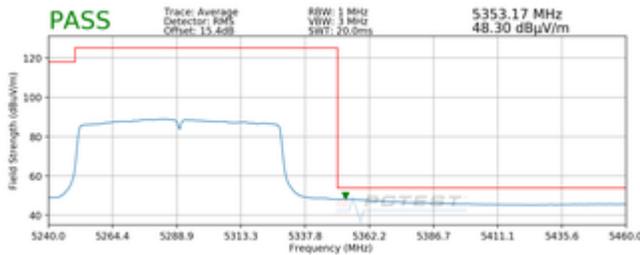


Plot 7-471. Radiated Lower Band Edge Plot (Average – UNII Band 1)

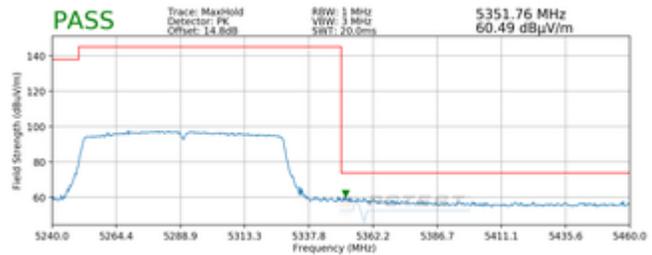


Plot 7-472. Radiated Lower Band Edge Plot (Peak – UNII Band 1)

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



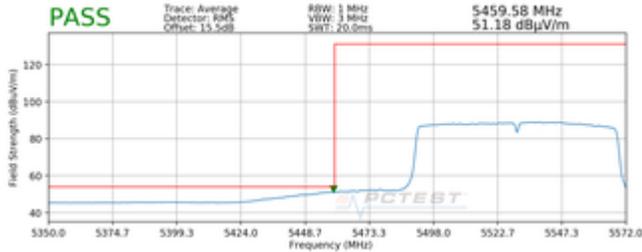
Plot 7-473. Radiated Upper Band Edge Plot (Average – UNII Band 2A)



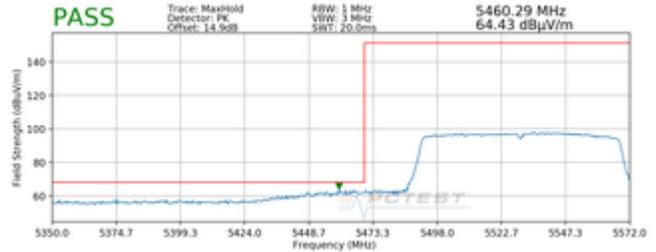
Plot 7-474. Radiated Upper Band Edge Plot (Peak – UNII Band 2A)

FCC ID: A3LSMF926U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset		Page 282 of 309

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

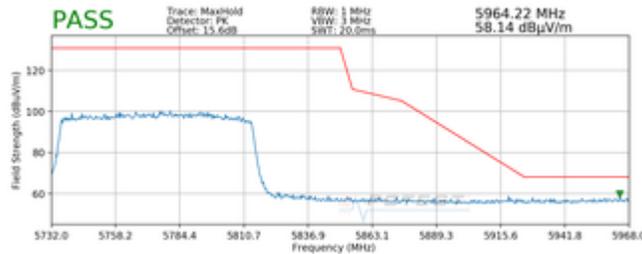


Plot 7-475. Radiated Lower Band Edge Plot (Average – UNII Band 2C)



Plot 7-476. Radiated Lower Band Edge Plot (Peak – UNII Band 2C)

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

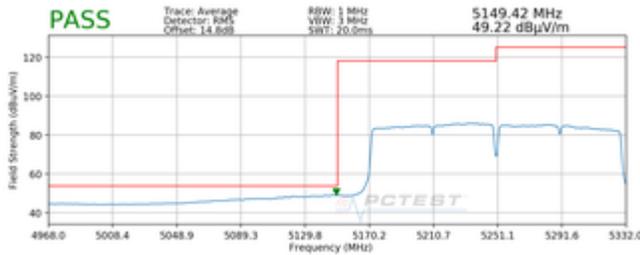


Plot 7-477. Radiated Upper Band Edge Plot (Peak – UNII Band 3)

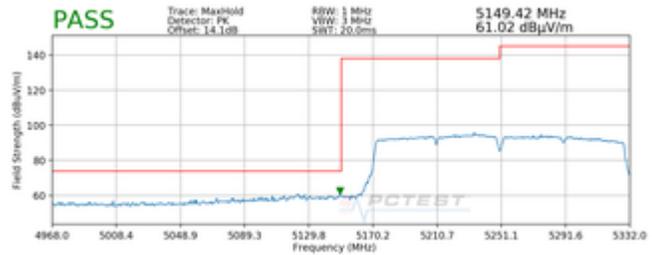
FCC ID: A3LSMF926U	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset		Page 283 of 309

6.6.7 SISO Antenna 1 - Radiated Band Edge Measurements (160MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]; RSS-Gen [8.9]

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

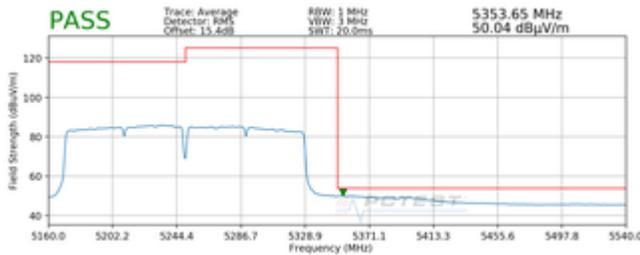


Plot 7-478. Radiated Lower Band Edge Plot (Average – UNII Band 1)

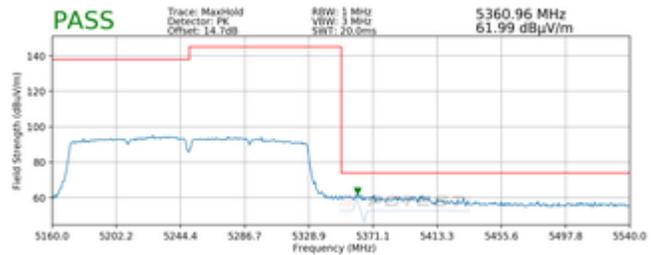


Plot 7-479. Radiated Lower Band Edge Plot (Peak – UNII Band 1)

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



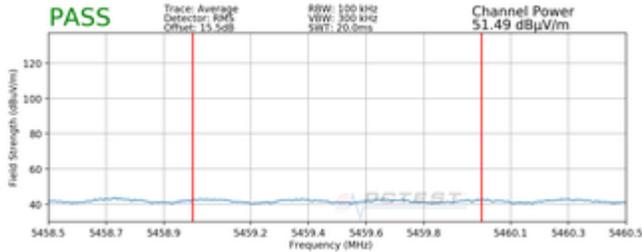
Plot 7-480. Radiated Upper Band Edge Plot (Average – UNII Band 2A)



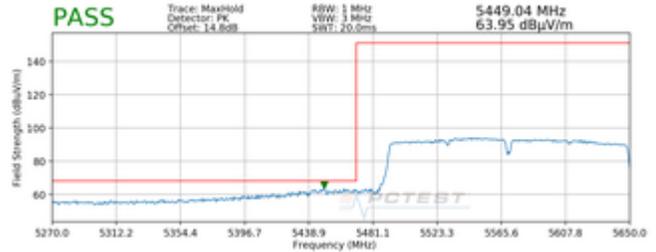
Plot 7-481. Radiated Upper Band Edge Plot (Peak – UNII Band 2A)

FCC ID: A3LSMF926U	 PCTEST [®] Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset		Page 284 of 309

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



Plot 7-482. Radiated Lower Band Edge Plot (Average – UNII Band 2C)

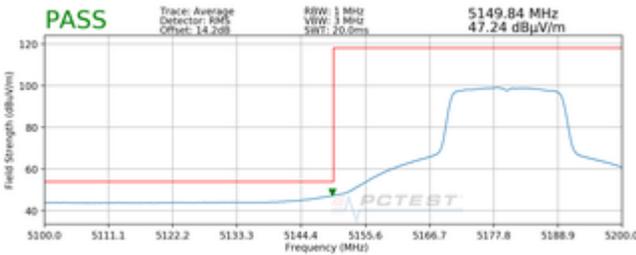


Plot 7-483. Radiated Lower Band Edge Plot (Peak – UNII Band 2C)

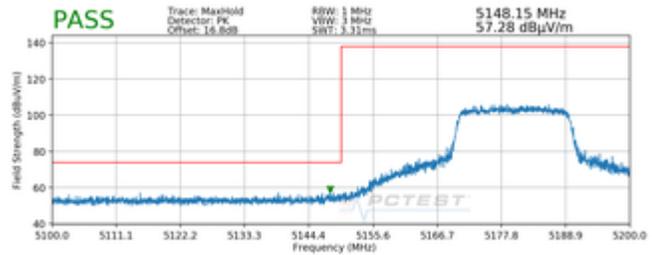
FCC ID: A3LSMF926U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset	Page 285 of 309	

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

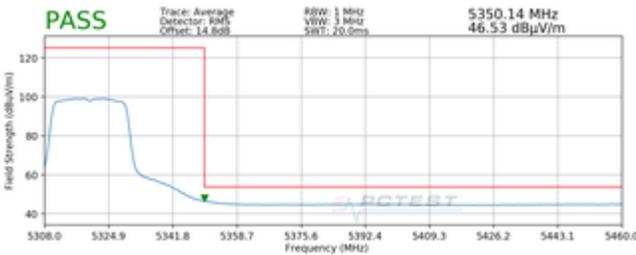


Plot 7-484. Radiated Lower Band Edge Plot (Average – UNII Band 1)

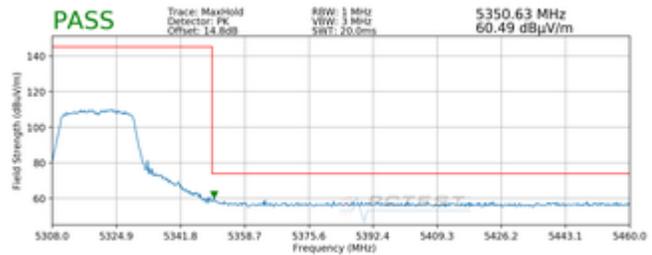


Plot 7-485. Radiated Lower Band Edge Plot (Peak – UNII Band 1)

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



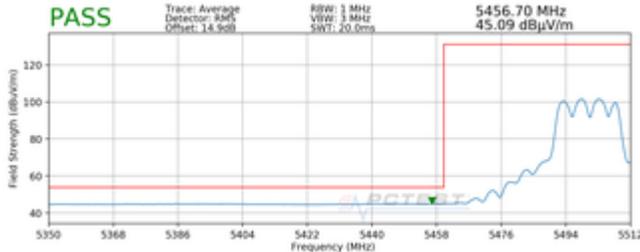
Plot 7-486. Radiated Upper Band Edge Plot (Average – UNII Band 2A)



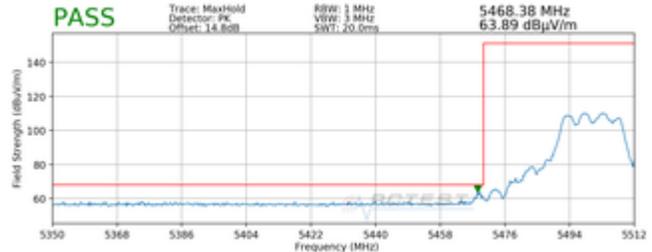
Plot 7-487. Radiated Upper Band Edge Plot (Peak – UNII Band 2A)

FCC ID: A3LSMF926U	 PCTEST® Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset		Page 286 of 309

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

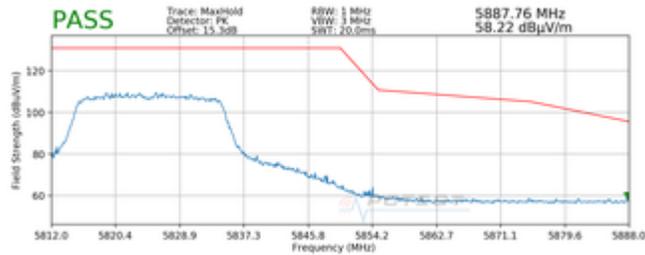


Plot 7-488. Radiated Lower Band Edge Plot (Average – UNII Band 2C)



Plot 7-489. Radiated Lower Band Edge Plot (Peak – UNII Band 2C)

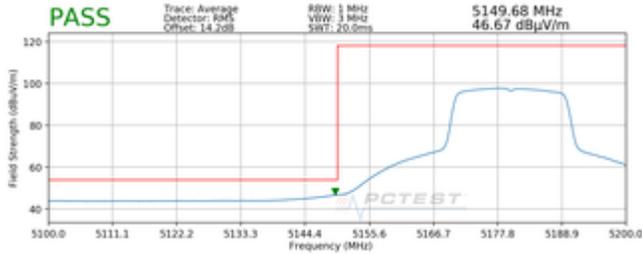
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 5825MHz
 Channel: 165



Plot 7-490. Radiated Upper Band Edge Plot (Peak – UNII Band 3)

FCC ID: A3LSMF926U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset	Page 287 of 309	

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



Plot 7-491. Radiated Lower Band Edge Plot with WCP (Average – UNII Band 1)

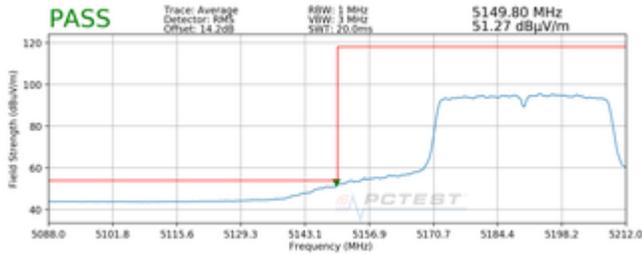


Plot 7-492. Radiated Lower Band Edge Plot with WCP (Peak – UNII Band 1)

FCC ID: A3LSMF926U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset	Page 288 of 309	

6.6.9 MIMO Radiated Band Edge Measurements (40MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]; RSS-Gen [8.9]

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

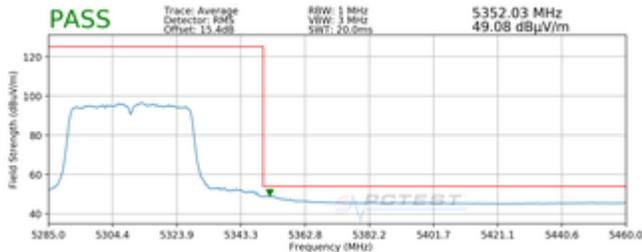


Plot 7-493. Radiated Lower Band Edge Plot (Average – UNII Band 1)

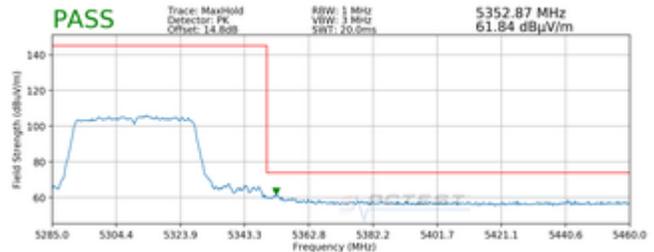


Plot 7-494. Radiated Lower Band Edge Plot (Peak – UNII Band 1)

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



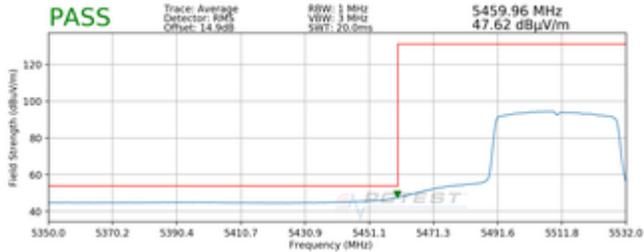
Plot 7-495. Radiated Upper Band Edge Plot (Average – UNII Band 2A)



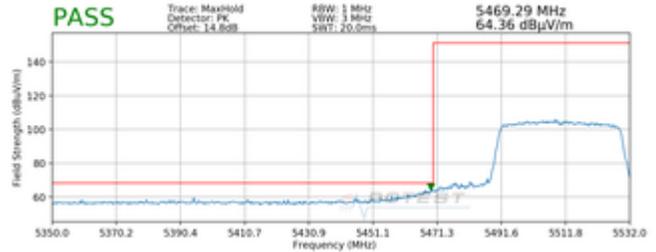
Plot 7-496. Radiated Upper Band Edge Plot (Peak – UNII Band 2A)

FCC ID: A3LSMF926U	 Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset		Page 289 of 309

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

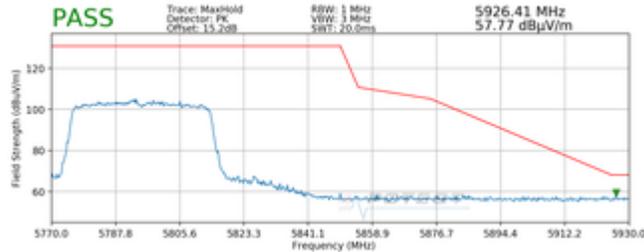


Plot 7-497. Radiated Lower Band Edge Plot (Average – UNII Band 2C)



Plot 7-498. Radiated Lower Band Edge Plot (Peak – UNII Band 2C)

Worst Case Mode:	802.11ax SU
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	5755MHz
Channel:	159

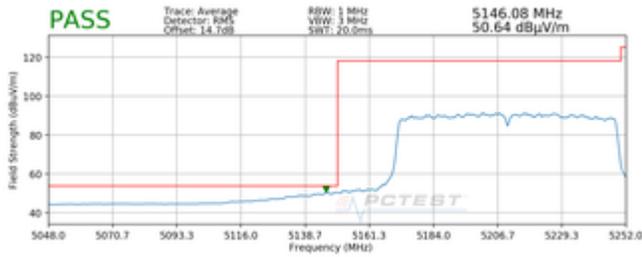


Plot 7-499. Radiated Upper Band Edge Plot (Peak – UNII Band 3)

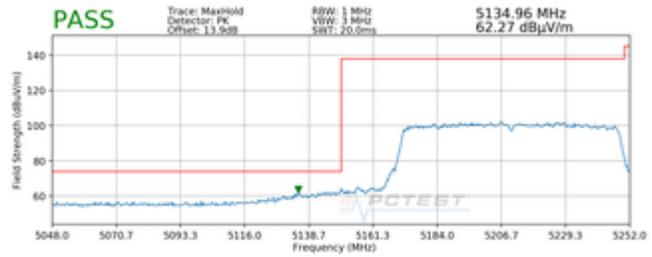
FCC ID: A3LSMF926U	 PCTEST Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset		Page 290 of 309

6.6.10 MIMO Radiated Band Edge Measurements (80MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]; RSS-Gen [8.9]

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

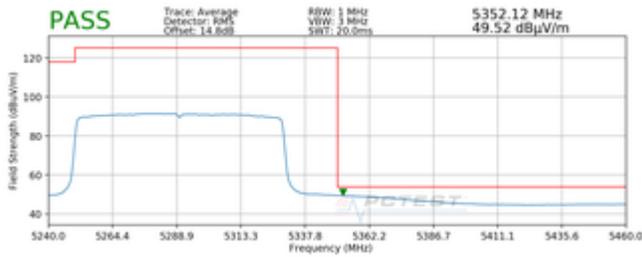


Plot 7-500. Radiated Lower Band Edge Plot (Average – UNII Band 1)

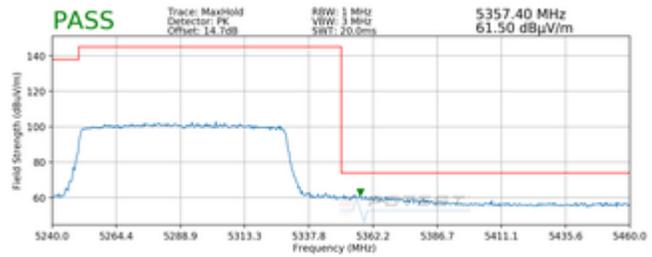


Plot 7-501. Radiated Lower Band Edge Plot (Peak – UNII Band 1)

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



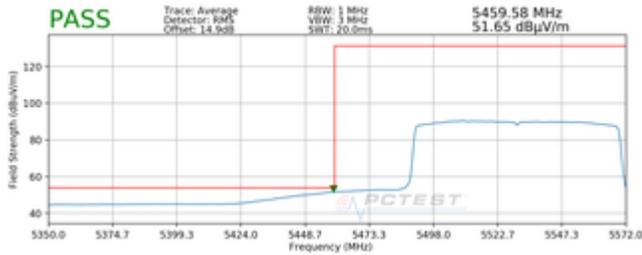
Plot 7-502. Radiated Upper Band Edge Plot (Average – UNII Band 2A)



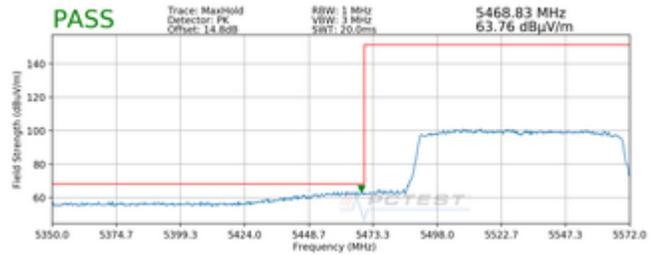
Plot 7-503. Radiated Upper Band Edge Plot (Peak – UNII Band 2A)

FCC ID: A3LSMF926U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset		Page 291 of 309

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

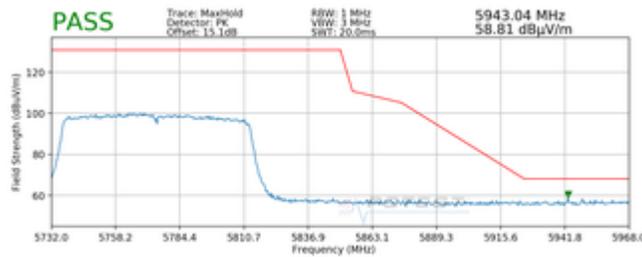


Plot 7-504. Radiated Lower Band Edge Plot (Average – UNII Band 2C)



Plot 7-505. Radiated Lower Band Edge Plot (Peak – UNII Band 2C)

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

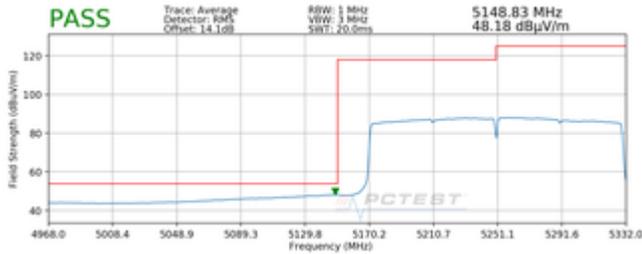


Plot 7-506. Radiated Upper Band Edge Plot (Peak – UNII Band 3)

FCC ID: A3LSMF926U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset	Page 292 of 309	

6.6.11 MIMO Radiated Band Edge Measurements (160MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]; RSS-Gen [8.9]

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

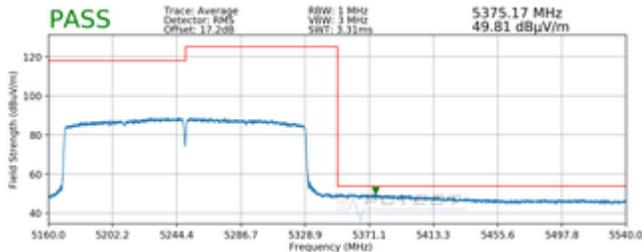


Plot 7-507. Radiated Lower Band Edge Plot (Average – UNII Band 1)

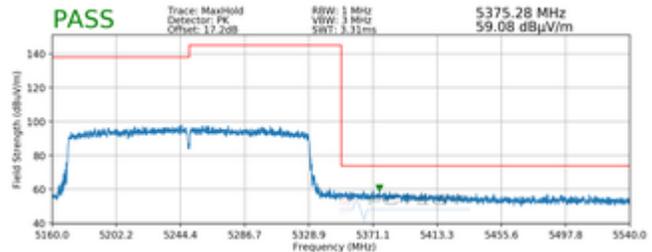


Plot 7-508. Radiated Lower Band Edge Plot (Peak – UNII Band 1)

Worst Case Mode:	802.11a
Worst Case Transfer Rate:	6Mbps
Distance of Measurements:	3 Meters
Operating Frequency:	5250MHz
Channel:	50



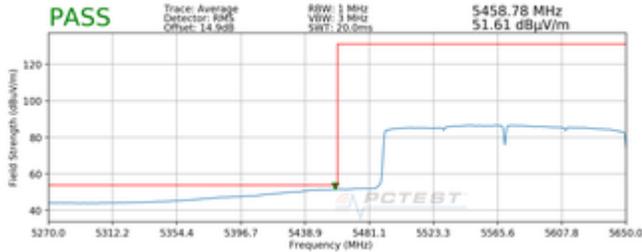
Plot 7-509. Radiated Upper Band Edge Plot (Average – UNII Band 2A)



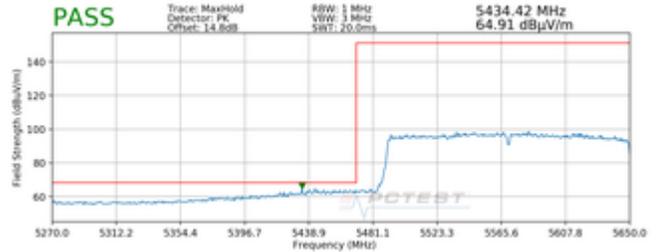
Plot 7-510. Radiated Upper Band Edge Plot (Peak – UNII Band 2A)

FCC ID: A3LSMF926U	 PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset		Page 293 of 309

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



Plot 7-511. Radiated Lower Band Edge Plot (Average – UNII Band 2C)



Plot 7-512. Radiated Lower Band Edge Plot (Peak – UNII Band 2C)

FCC ID: A3LSMF926U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset	Page 294 of 309	

7.7 Radiated Spurious Emissions Measurements – Below 1GHz

§15.209; RSS-Gen [8.9]

Test Overview and Limit

All out of band radiated spurious emissions are measured with a spectrum analyzer connected to a receive antenna 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 radiated spurious emissions. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR and Table 6 of RSS-Gen (8.10) must not exceed the limits shown in Table 7-61 per Section 15.209 and RSS-Gen (8.9).

Frequency	Field Strength [μ V/m]	Measured Distance [Meters]
0.009 – 0.490 MHz	2400/F (kHz)	300
0.490 – 1.705 MHz	24000/F (kHz)	30
1.705 – 30.00 MHz	30	30
30.00 – 88.00 MHz	100	3
88.00 – 216.0 MHz	150	3
216.0 – 960.0 MHz	200	3
Above 960.0 MHz	500	3

Table 7-61. Radiated Limits

Test Procedures Used

ANSI C63.10-2013

Test Settings

Quasi-Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 120kHz (for emissions from 30MHz – 1GHz)
3. Detector = quasi-peak
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

FCC ID: A3LSMF926U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset		Page 295 of 309

Test Setup

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

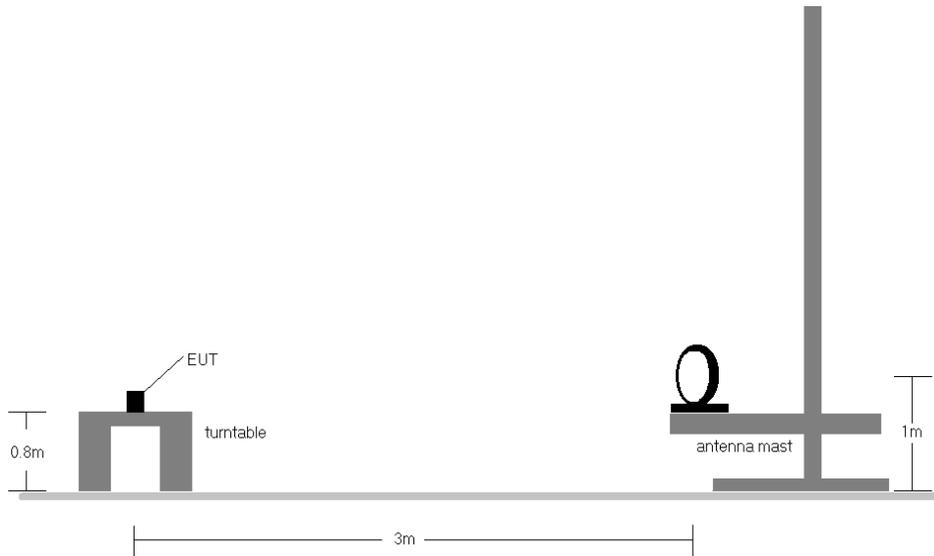


Figure 7-6. Radiated Test Setup < 30MHz

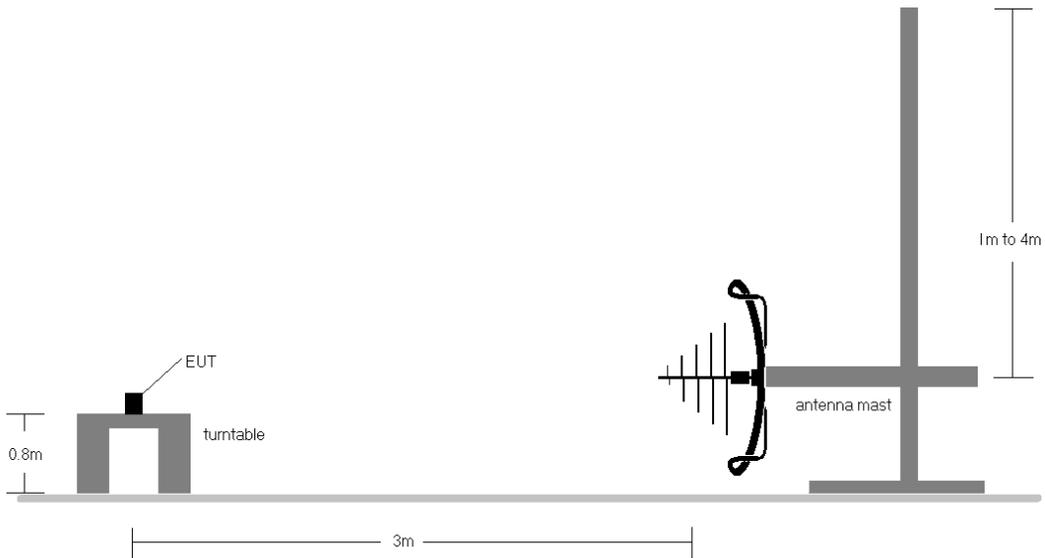


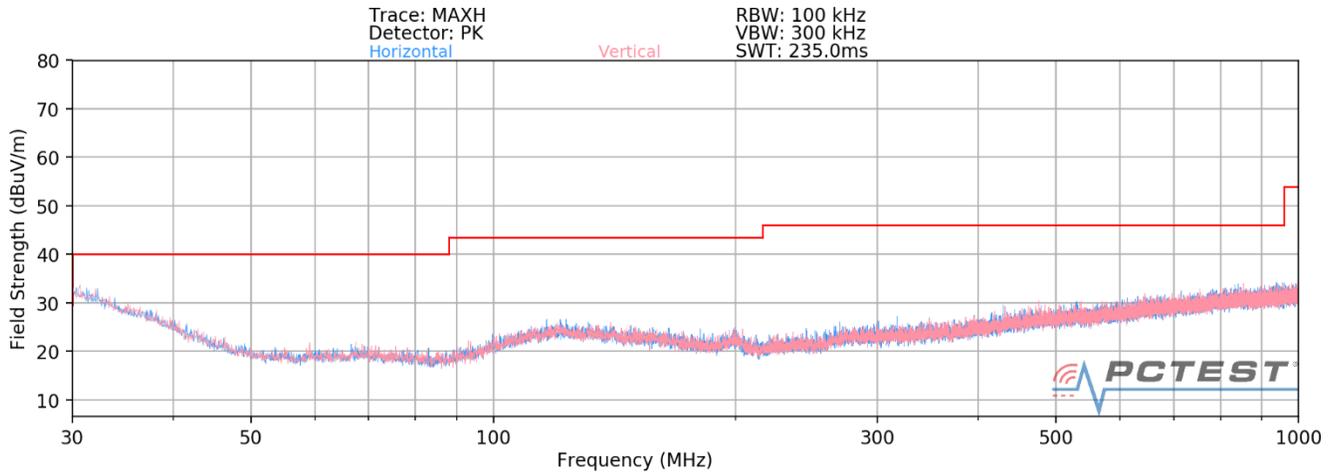
Figure 7-7. Radiated Test Setup < 1GHz

<p>FCC ID: A3LSMF926U</p>		<p>MEASUREMENT REPORT (CERTIFICATION)</p>	 <p>Approved by: Technical Manager</p>
<p>Test Report S/N: 1M2104020031-15.A3L</p>	<p>Test Dates: 03/26 - 06/08/21</p>	<p>EUT Type: Portable Handset</p>	<p>Page 296 of 309</p>

Test Notes

1. All emissions lying in restricted bands specified in §15.205 and RSS-Gen (8.10) are below the limit shown in Table 7-61.
2. The broadband receive antenna is manipulated through vertical and horizontal polarizations during the tests. The EUT is manipulated through three orthogonal planes.
3. This unit was tested with its standard battery.
4. The spectrum is investigated using a peak detector and final measurements are recorded using CISPR quasi peak detector. The worst-case emissions are reported however emissions whose levels were not within 20dB of the respective limits were not reported.
5. Emissions were measured at a 3 meter test distance.
6. Emissions are investigated while operating on the center channel of the mode, band, and modulation that produced the worst case results during the transmitter spurious emissions testing.
7. No spurious emissions were detected within 20dB of the limit below 30MHz.
8. The results recorded using the broadband antenna is known to correlate with the results obtained by using a tuned dipole with an acceptable degree of accuracy. The VSWR for the measurement antenna was found to be less than 2:1.
9. The wide spectrum spurious emissions plots shown on the following pages are used only for the purpose of emission identification. There were no emissions detected in the 30MHz – 1GHz frequency range, as shown in the subsequent plots.

FCC ID: A3LSMF926U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset	Page 297 of 309	



Plot 7-513. Radiated Spurious Plot below 1GHz (802.11a)

FCC ID: A3LSMF926U	 Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	 Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset	Page 298 of 309

7.8 Line-Conducted Test Data

§15.407; RSS-Gen [8.8]

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 Section 15.207 and RSS-Gen (8.8).

Frequency of emission (MHz)	Conducted Limit (dB μ V)	
	Quasi-peak	Average
0.15 – 0.5	66 to 56*	56 to 46*
0.5 – 5	56	46
5 – 30	60	50

Table 7-62. 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: A3LSMF926U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset		Page 299 of 309

Test Setup

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

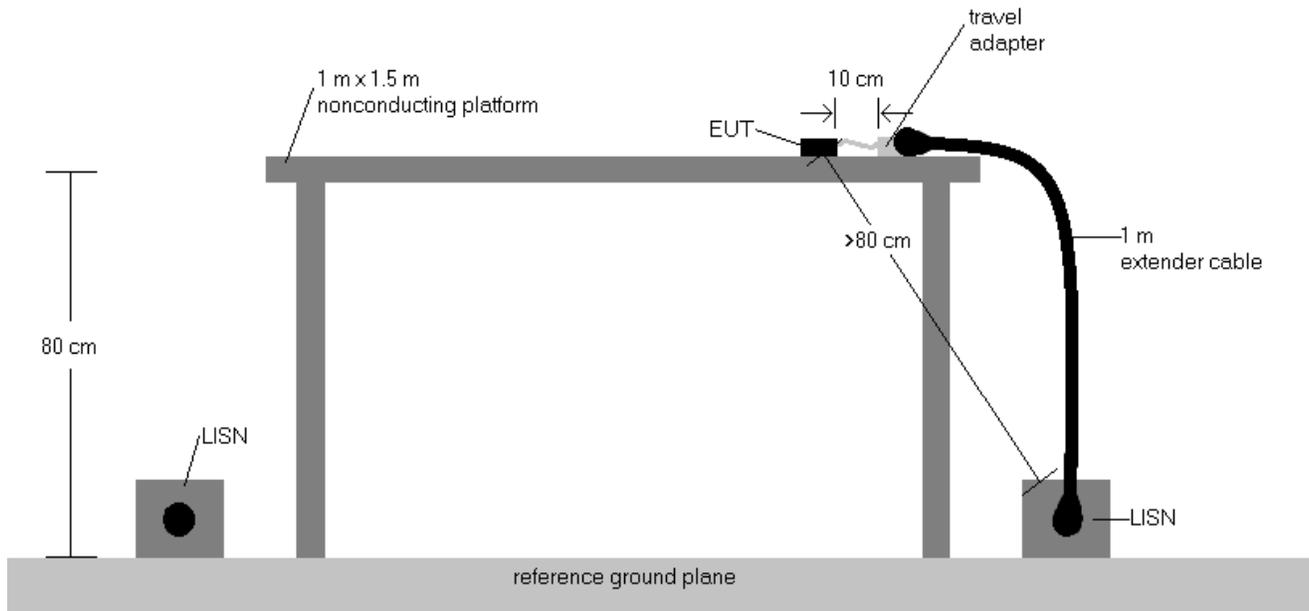
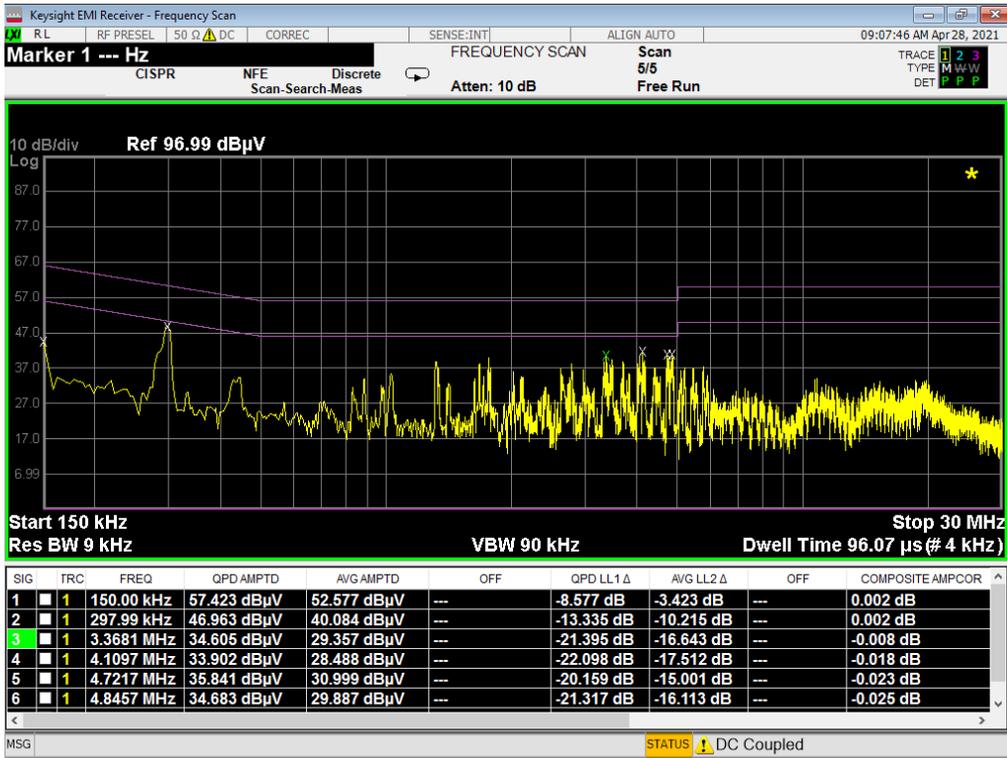


Figure 7-8. Test Instrument & Measurement Setup

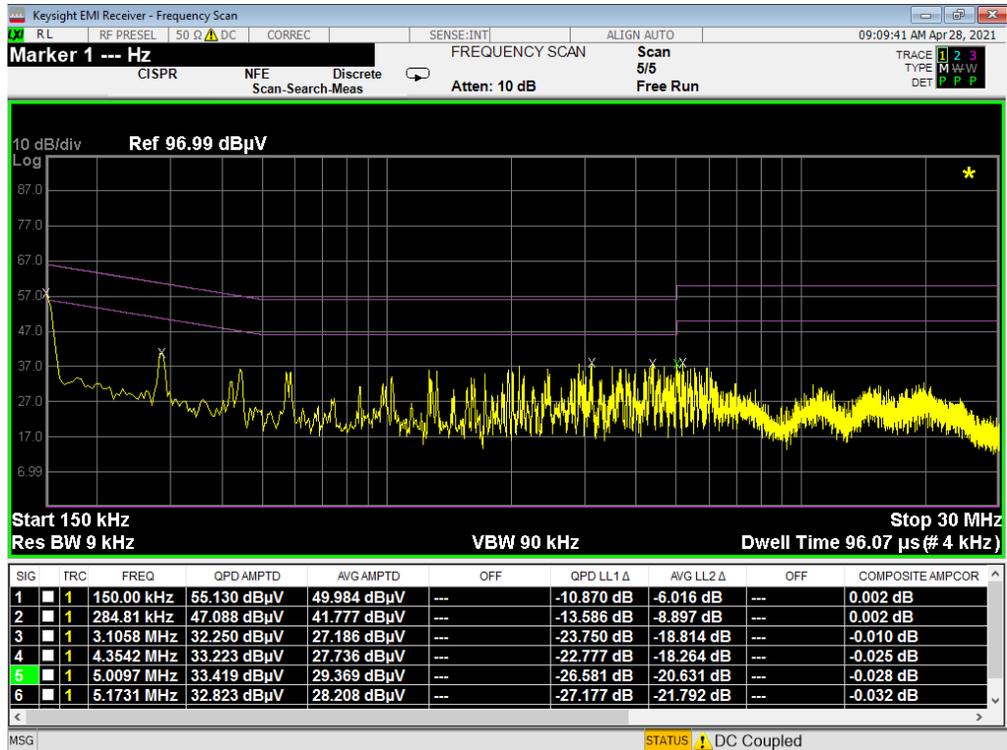
Test Notes

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 are specified in 15.207 and RSS-Gen (8.8).
3. $Corr. (dB) = Cable\ loss (dB) + LISN\ insertion\ factor (dB)$
4. $QP/AV\ Level (dB\mu V) = QP/AV\ Analyzer/Receiver\ Level (dB\mu V) + Corr. (dB)$
5. $Margin (dB) = QP/AV\ Limit (dB\mu V) - QP/AV\ Level (dB\mu V)$
6. Traces shown in plot are made using a peak detector.
7. Deviations to the Specifications: None.

FCC ID: A3LSMF926U	Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset		Page 300 of 309

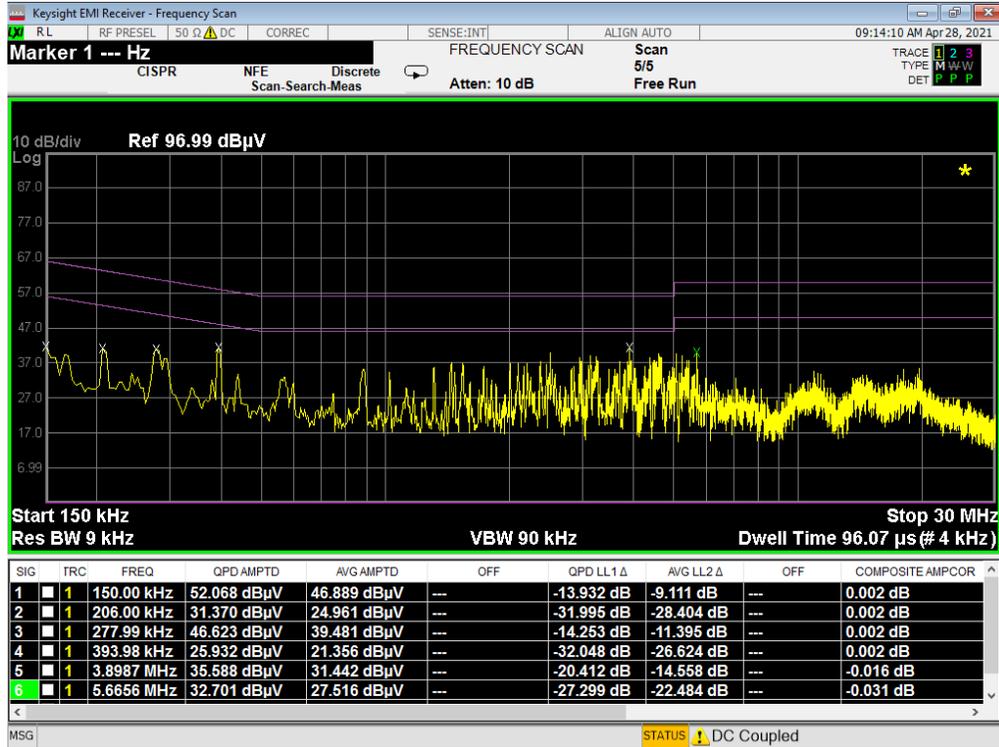


Plot 7-514. Line Conducted Plot with 802.11a UNII Band 1 (L1)

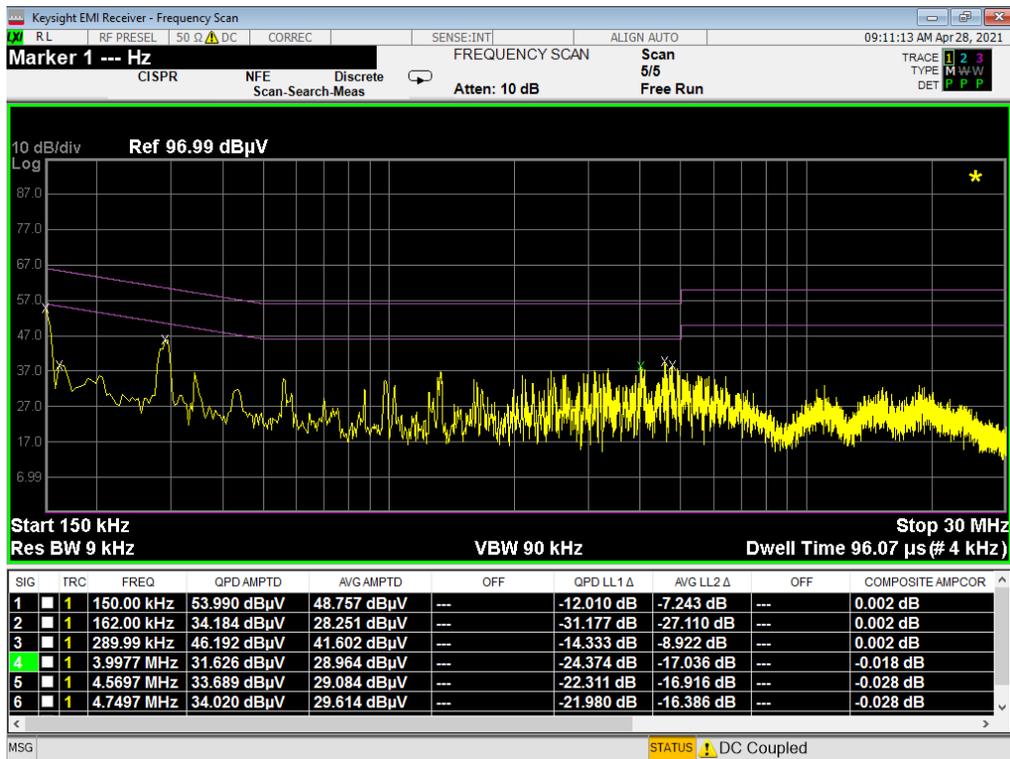


Plot 7-515. Line Conducted Plot with 802.11a UNII Band 1 (N)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset		Page 301 of 309

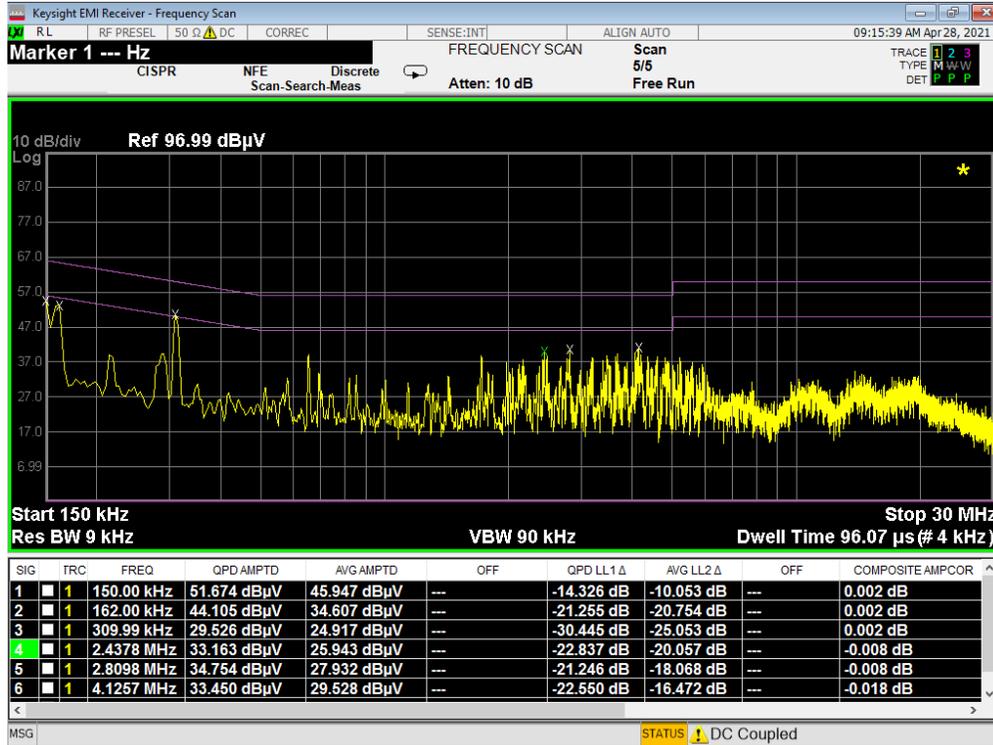


Plot 7-516. Line Conducted Plot with 802.11a UNII Band 2A (L1)

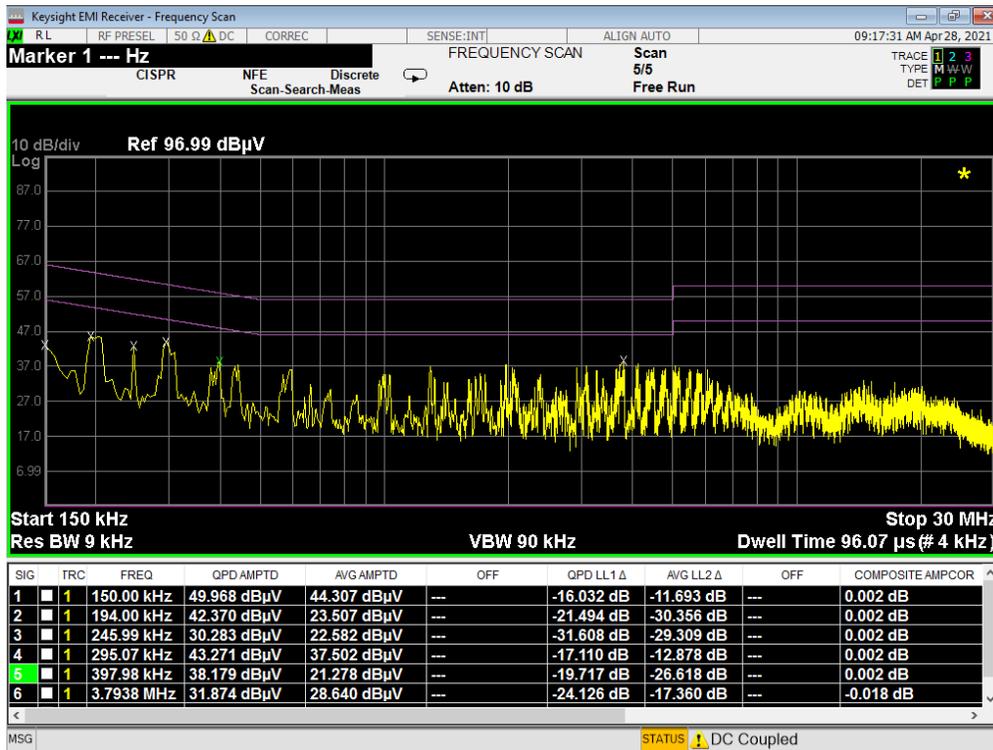


Plot 7-517. Line Conducted Plot with 802.11a UNII Band 2A (N)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset		Page 302 of 309

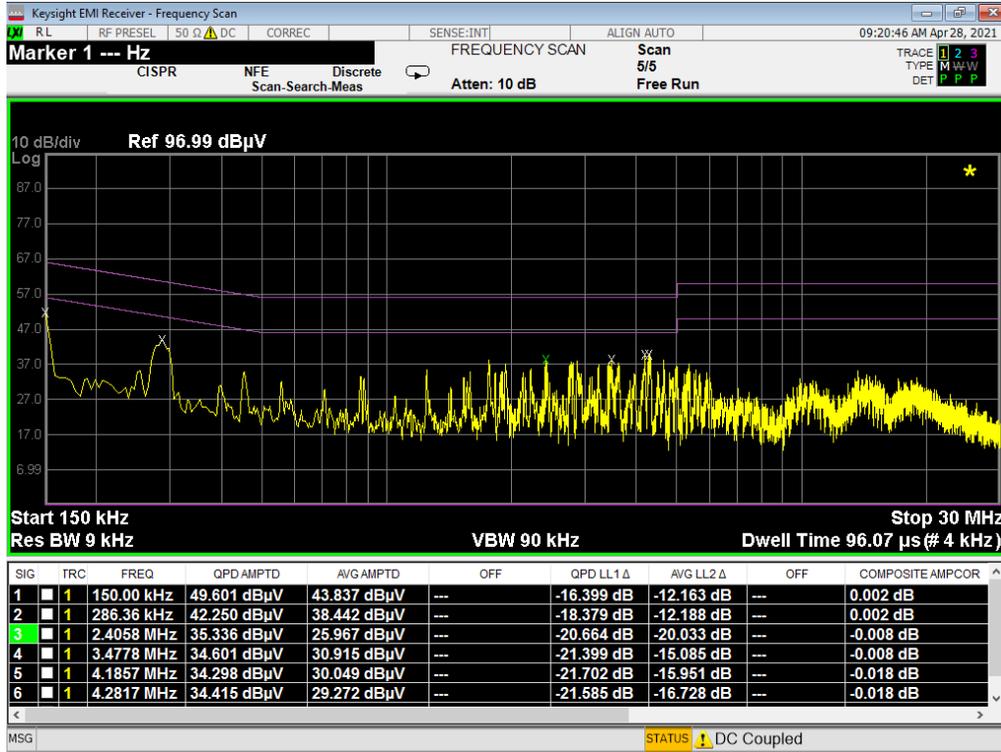


Plot 7-518. Line Conducted Plot with 802.11a UNII Band 2C (L1)

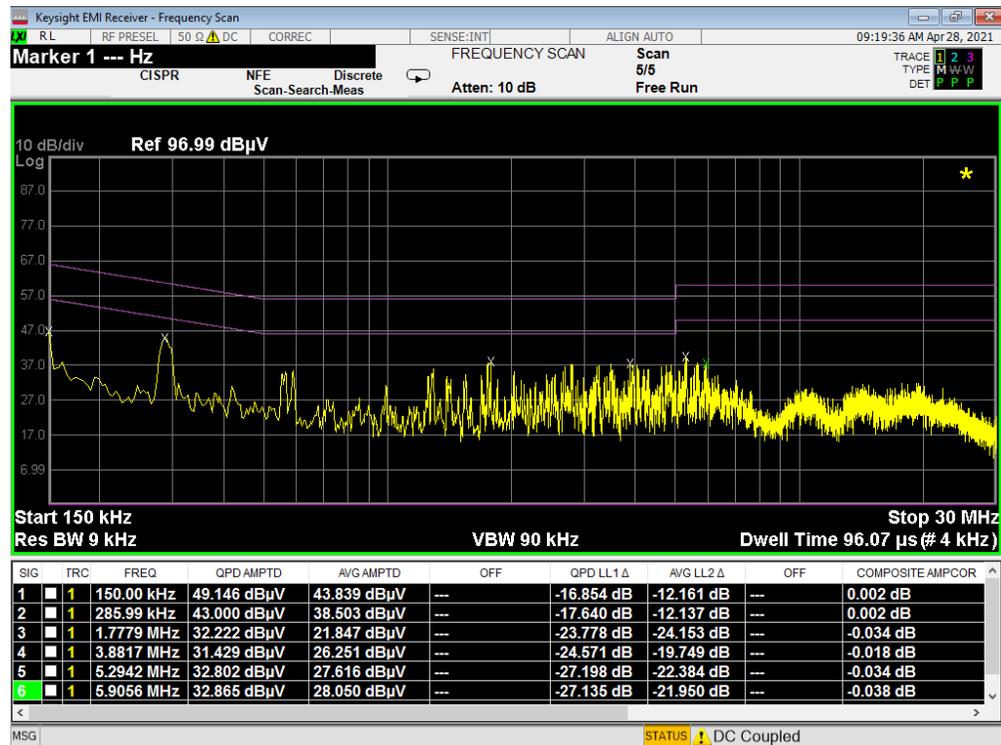


Plot 7-519. Line Conducted Plot with 802.11a UNII Band 2C (N)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset		Page 303 of 309

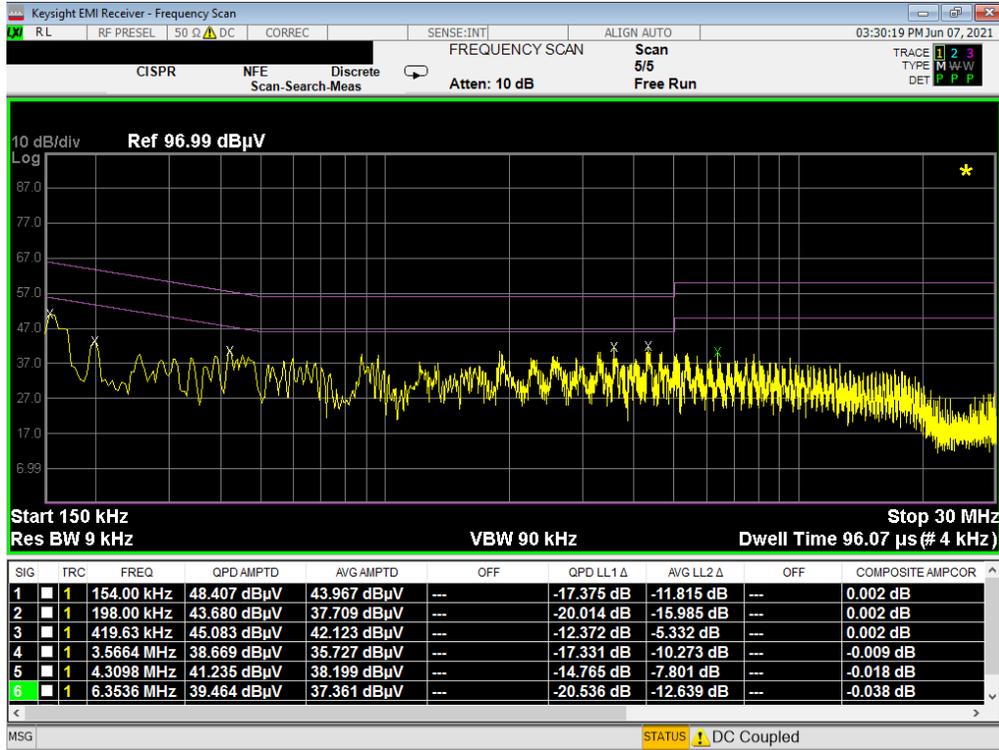


Plot 7-520. Line Conducted Plot with 802.11a UNII Band 3 (L1)

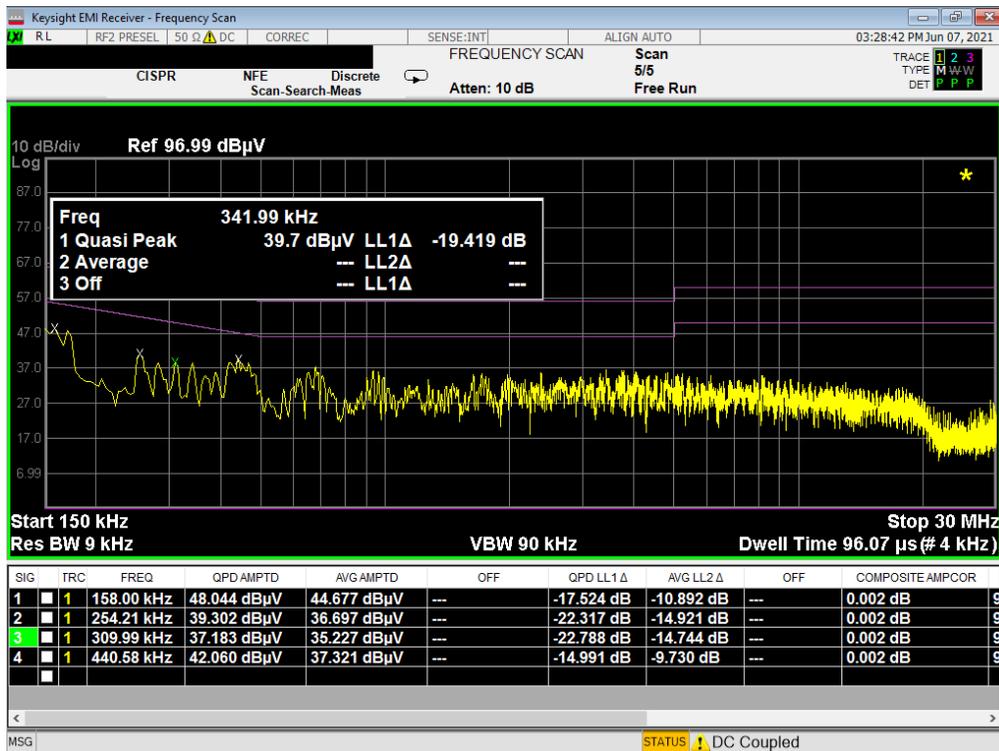


Plot 7-521. Line Conducted Plot with 802.11a UNII Band 3 (N)

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset		Page 304 of 309

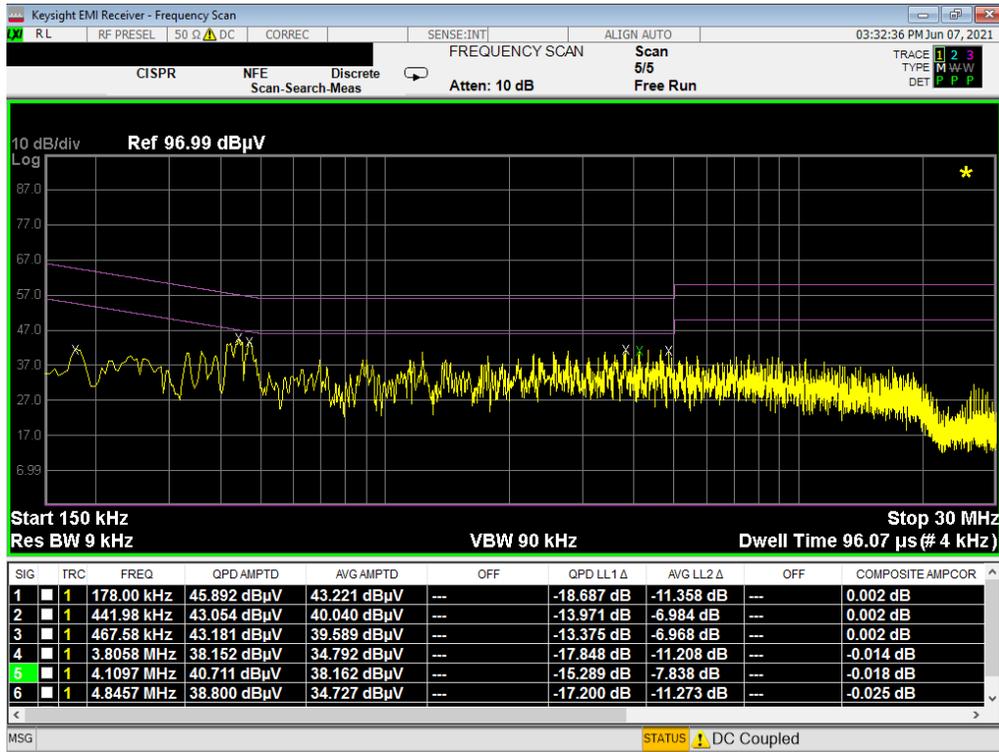


Plot 7-522. Line Conducted Plot with 802.11a UNII Band 1 (L1) with WCP

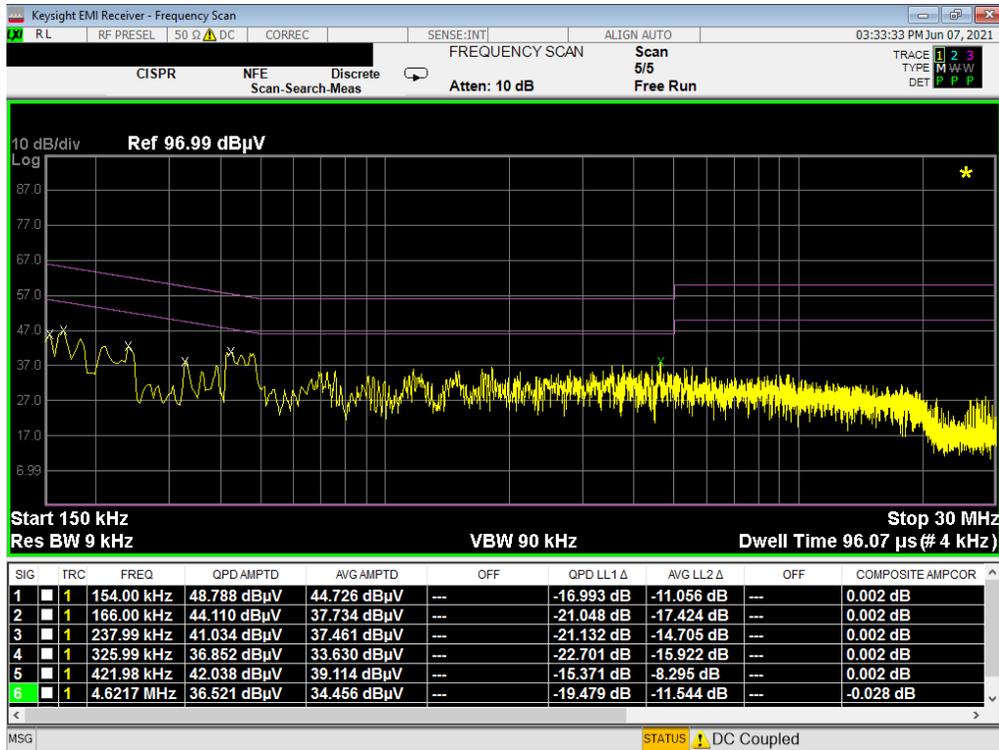


Plot 7-523. Line Conducted Plot with 802.11a UNII Band 1 (N) with WCP

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset		Page 305 of 309

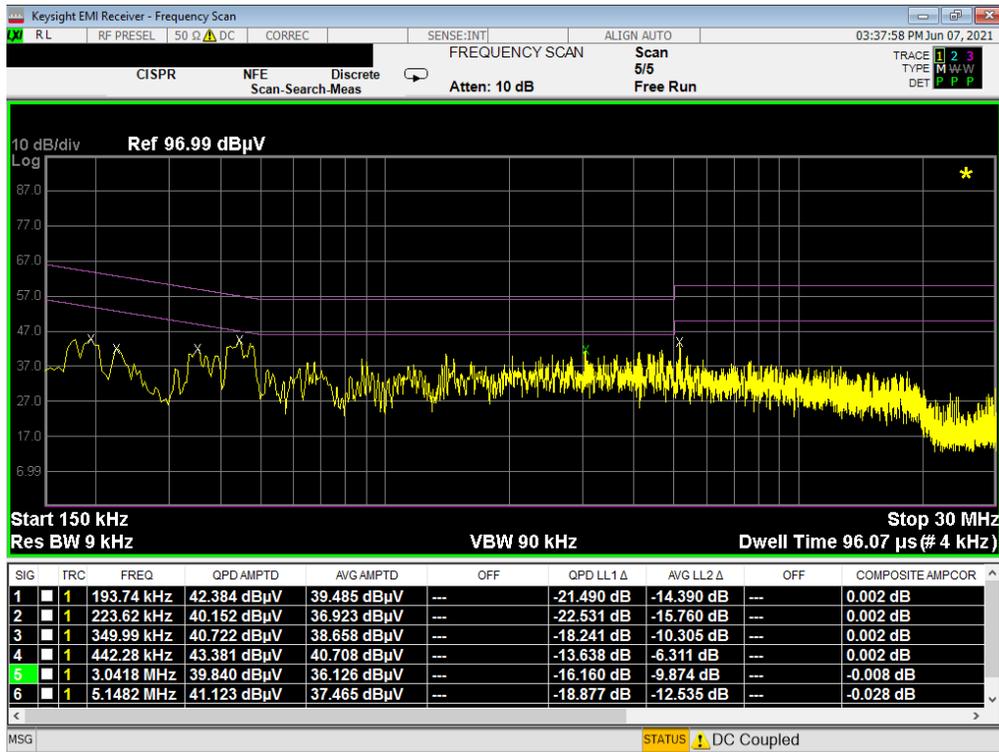


Plot 7-524. Line Conducted Plot with 802.11a UNII Band 2A (L1) with WCP

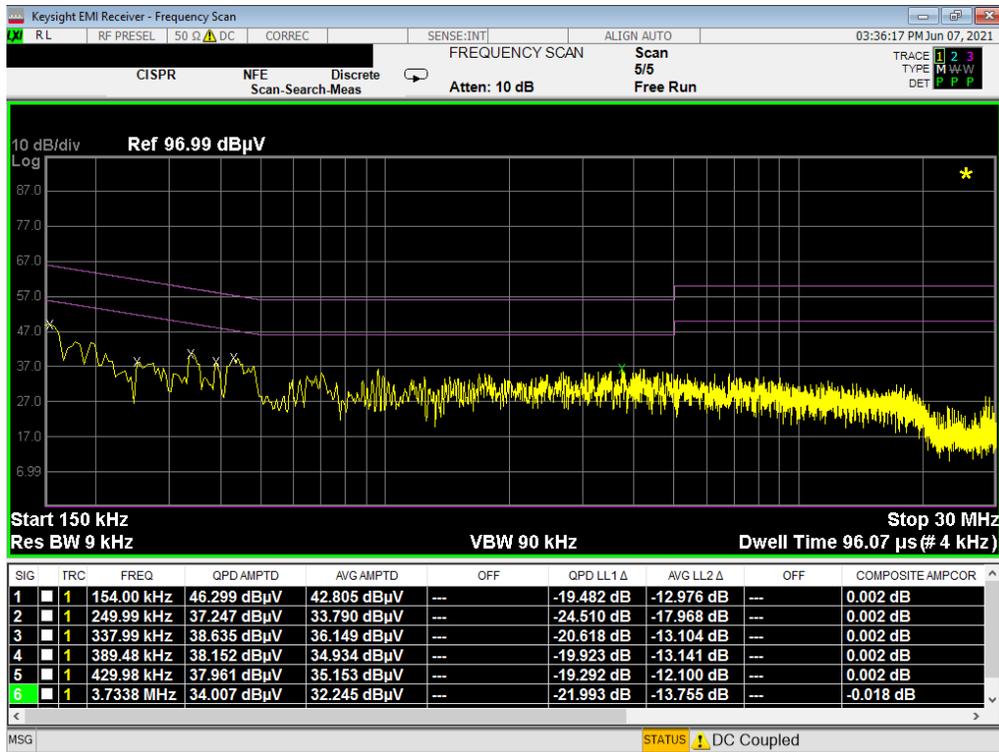


Plot 7-525. Line Conducted Plot with 802.11a UNII Band 2A (N) with WCP

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset		Page 306 of 309

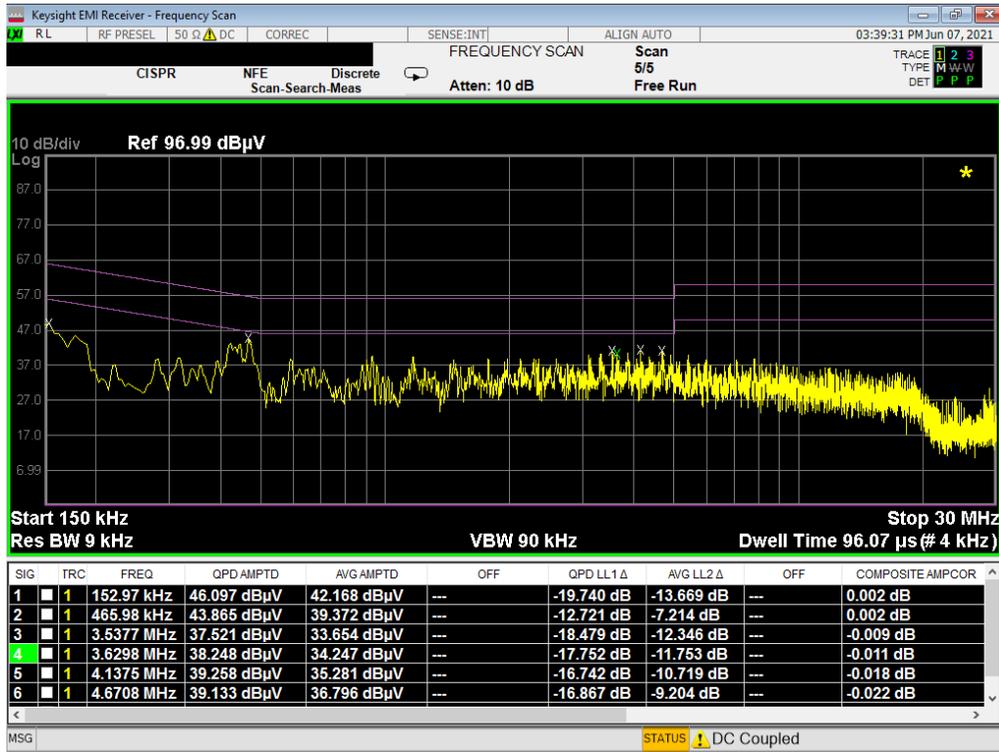


Plot 7-526. Line Conducted Plot with 802.11a UNII Band 2C (L1) with WCP

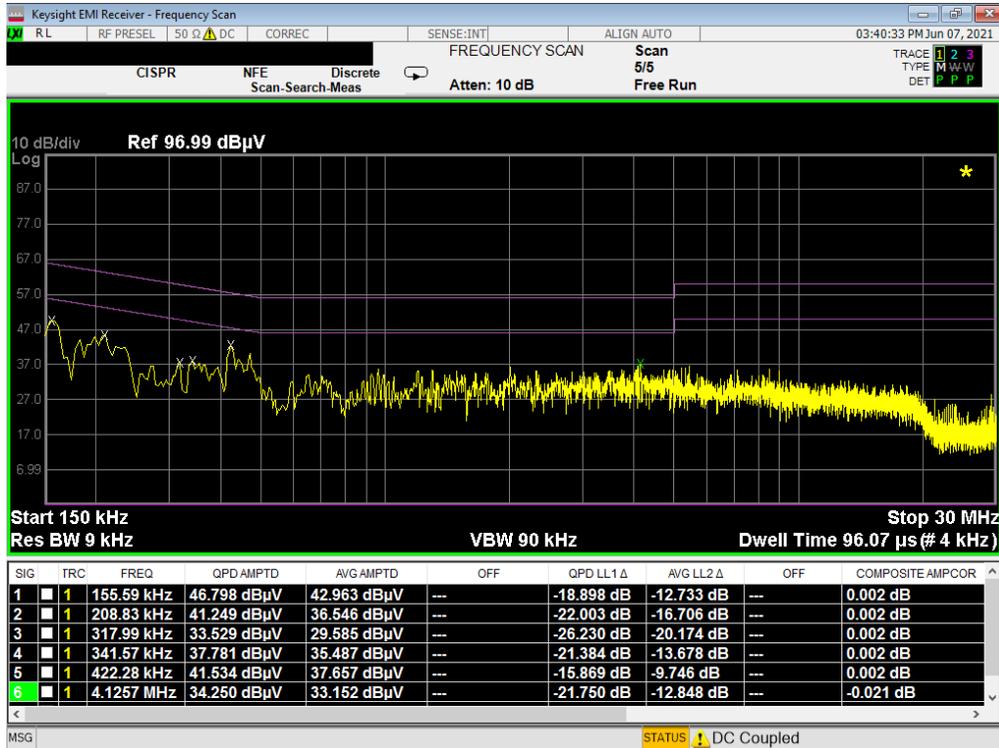


Plot 7-527. Line Conducted Plot with 802.11a UNII Band 2C (N) with WCP

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset		Page 307 of 309



Plot 7-528. Line Conducted Plot with 802.11a UNII Band 3 (L1) with WCP



Plot 7-529. Line Conducted Plot with 802.11a UNII Band 3 (N) with WCP

FCC ID: A3LSMF926U	PCTEST Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset		Page 308 of 309

8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Samsung Portable Handset FCC ID: A3LSMF926U** is in compliance with Part 15 Subpart E (15.407) of the FCC Rules and with RSS-247 Issue 2 of the Innovation, Science, and Economic Development Canada Rules.

FCC ID: A3LSMF926U		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2104020031-15.A3L	Test Dates: 03/26 - 06/08/21	EUT Type: Portable Handset	Page 309 of 309	