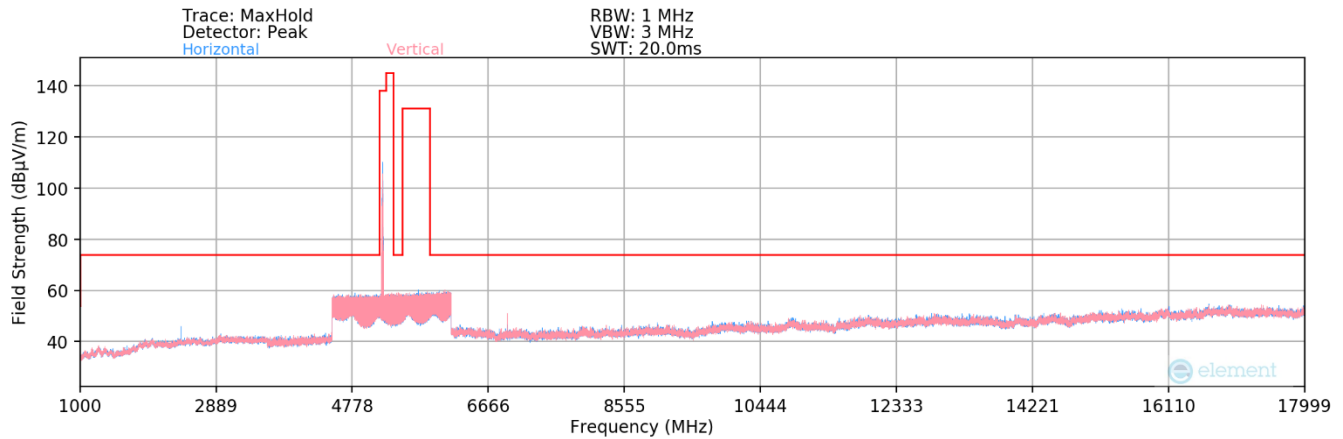
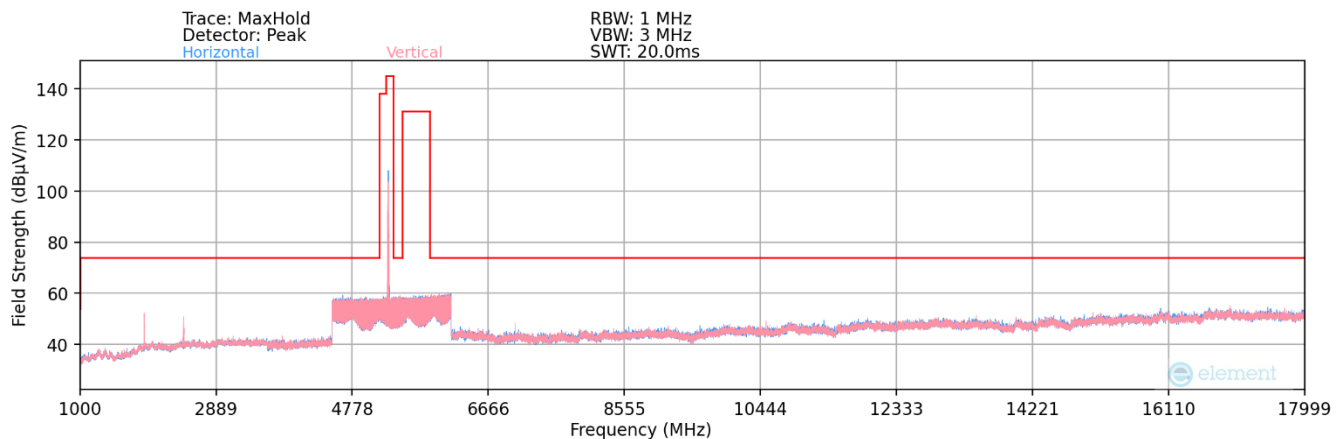


7.6.1 MIMO Radiated Spurious Emission Measurements

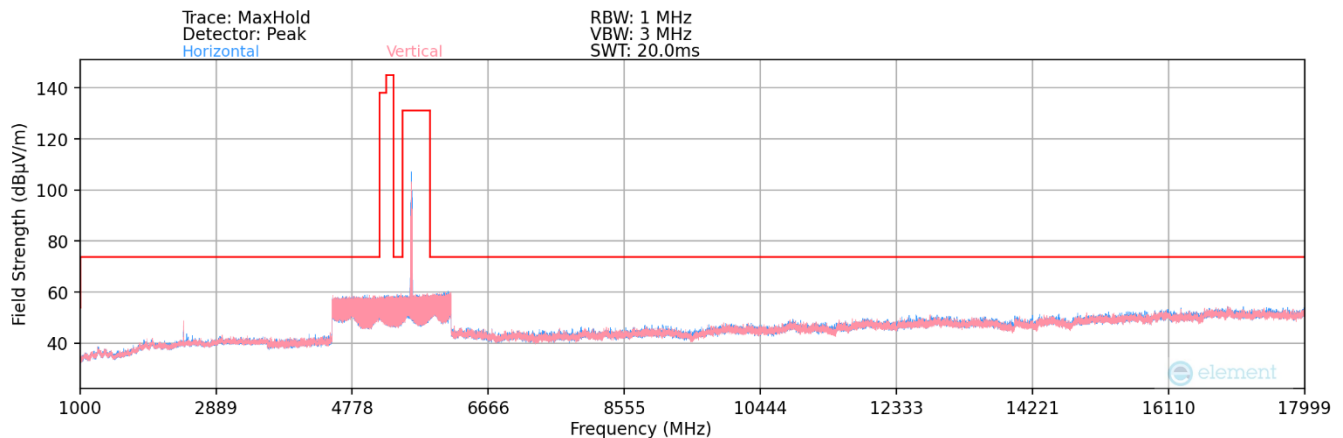
26 Tones



Plot 7-241. Radiated Spurious Plot above 1GHz MIMO (802.11ax – U1 Ch. 40 – 26 Tones)

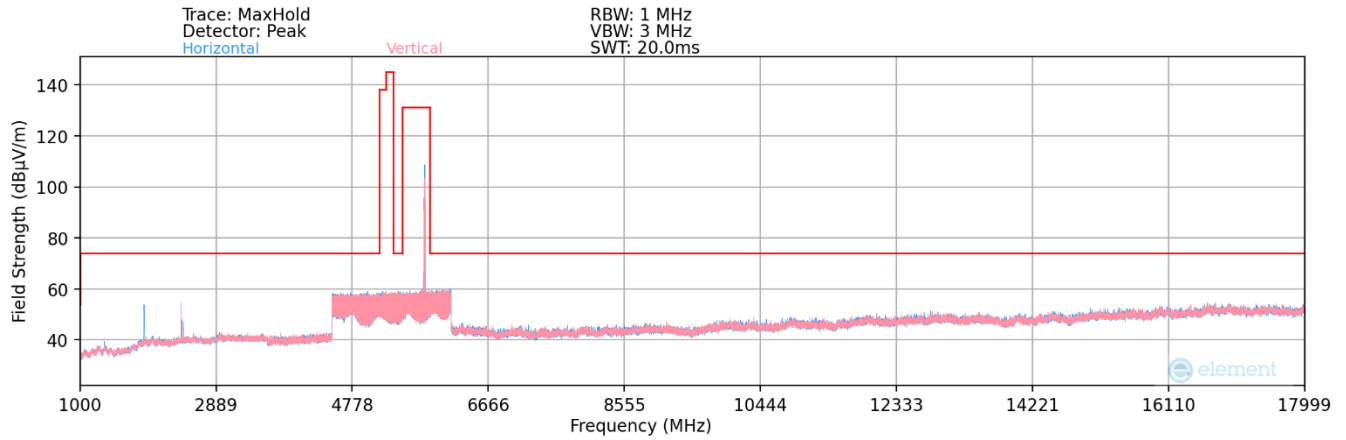


Plot 7-242. Radiated Spurious Plot above 1GHz MIMO (802.11ax – U2A Ch. 56 – 26 Tones)



Plot 7-243. Radiated Spurious Plot above 1GHz MIMO (802.11ax – U2C Ch. 120 – 26 Tones)

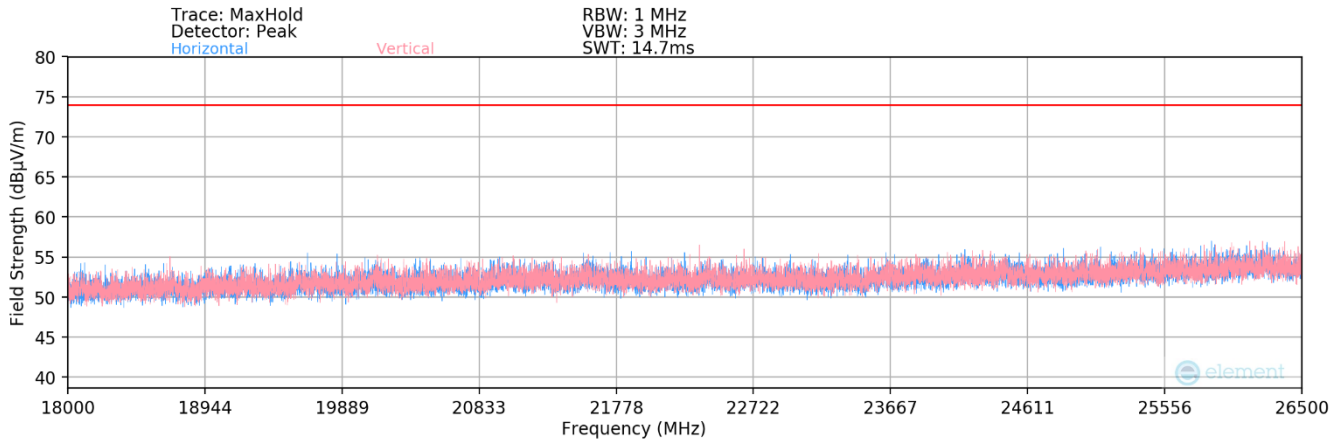
FCC ID: PY7-76056F	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2205240063-16.PY7	Test Dates: 6/3/2022-7/29/2022	EUT Type: Portable Handset	Page 161 of 189



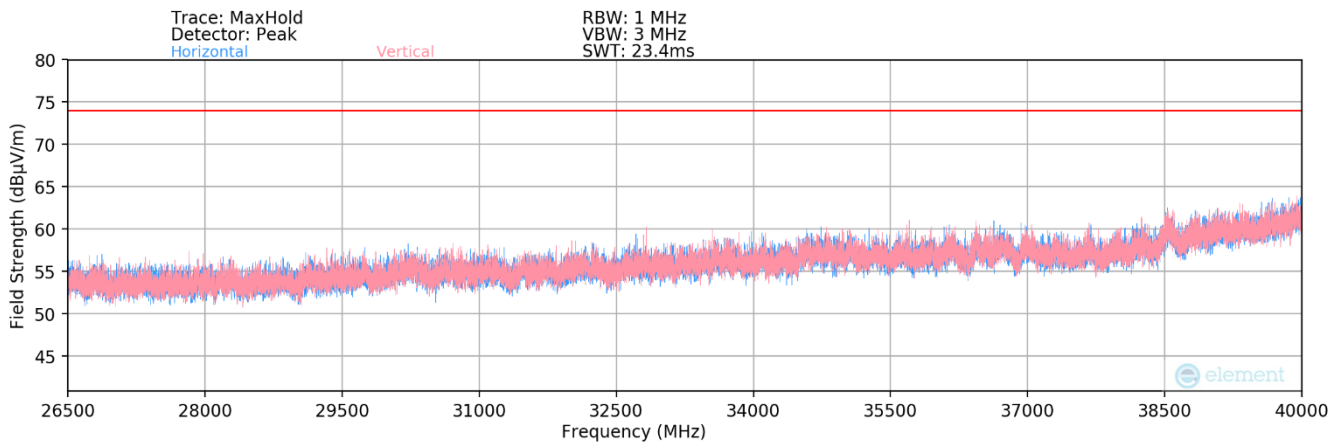
Plot 7-244. Radiated Spurious Plot above 1GHz MIMO (802.11ax – U3 Ch. 157 – 26 Tones)

FCC ID: PY7-76056F	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2205240063-16.PY7	Test Dates: 6/3/2022-7/29/2022	EUT Type: Portable Handset	Page 162 of 189

MIMO Radiated Spurious Emissions Measurements (Above 18GHz)



Plot 7-245. Radiated Spurious Plot 18GHz - 26.5GHz MIMO (802.11ax – 26 Tones)



Plot 7-246. Radiated Spurious Plot 26.5GHz - 40GHz MIMO (802.11ax – 26 Tones)

FCC ID: PY7-76056F	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2205240063-16.PY7	Test Dates: 6/3/2022-7/29/2022	EUT Type: Portable Handset	Page 163 of 189



MIMO Radiated Spurious Emission Measurements (26 Tones)

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

Worst Case Mode: 802.11ax (20MHz BW)
 Worst Case Transfer Rate: MCS0
 RU Index: 4
 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	-	-	-69.42	11.20	0.00	48.78	68.20	-19.42
* 15540.00	Average	V	-	-	-81.82	16.02	0.00	41.20	53.98	-12.78
* 15540.00	Peak	V	-	-	-69.23	16.02	0.00	53.79	73.98	-20.19
* 20720.00	Average	V	-	-	-67.56	3.16	-9.54	33.06	53.98	-20.92
* 20720.00	Peak	V	-	-	-57.45	3.16	-9.54	43.16	73.98	-30.82
25900.00	Peak	V	-	-	-57.53	4.77	-9.54	44.70	68.20	-23.50

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

Worst Case Mode: 802.11ax (20MHz BW)
 Worst Case Transfer Rate: MCS0
 RU Index: 4
 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	-	-	-69.90	11.14	0.00	48.24	68.20	-19.96
* 15600.00	Average	V	-	-	-81.92	16.27	0.00	41.35	53.98	-12.63
* 15600.00	Peak	V	-	-	-70.19	16.27	0.00	53.08	73.98	-20.90
* 20800.00	Average	V	-	-	-66.82	3.48	-9.54	34.12	53.98	-19.86
* 20800.00	Peak	V	-	-	-56.62	3.48	-9.54	44.32	73.98	-29.66
26000.00	Peak	V	-	-	-57.28	5.16	-9.54	45.34	68.20	-22.86

Table 7-31. Radiated Measurements MIMO (26 Tones)

FCC ID: PY7-76056F	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2205240063-16.PY7	Test Dates: 6/3/2022-7/29/2022	EUT Type: Portable Handset	Page 164 of 189



Worst Case Mode: 802.11ax (20MHz BW)
 Worst Case Transfer Rate: MCS0
 RU Index: 4
 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	-	-	-70.22	11.80	0.00	48.58	68.20	-19.62
* 15720.00	Average	V	-	-	-82.00	16.84	0.00	41.84	53.98	-12.14
* 15720.00	Peak	V	-	-	-70.02	16.84	0.00	53.82	73.98	-20.16
* 20960.00	Average	V	-	-	-68.28	3.47	-9.54	32.65	53.98	-21.33
* 20960.00	Peak	V	-	-	-58.35	3.47	-9.54	42.58	73.98	-31.40
26200.00	Peak	V	-	-	-56.81	4.78	-9.54	45.43	68.20	-22.77

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

Worst Case Mode: 802.11ax (20MHz BW)
 Worst Case Transfer Rate: MCS0
 RU Index: 4
 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	246	224	-68.99	11.91	0.00	49.92	68.20	-18.28
* 15780.00	Average	V	-	-	-82.22	16.44	0.00	41.22	53.98	-12.76
* 15780.00	Peak	V	-	-	-70.73	16.44	0.00	52.71	73.98	-21.27
* 21040.00	Average	V	-	-	-67.93	3.53	-9.54	33.06	53.98	-20.92
* 21040.00	Peak	V	-	-	-58.08	3.53	-9.54	42.91	73.98	-31.06
26300.00	Peak	V	-	-	-57.77	4.64	-9.54	44.33	68.20	-23.87

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

FCC ID: PY7-76056F	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2205240063-16.PY7	Test Dates: 6/3/2022-7/29/2022	EUT Type: Portable Handset	Page 165 of 189

Worst Case Mode: 802.11ax (20MHz BW)
 Worst Case Transfer Rate: MCS0
 RU Index: 4
 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	132	235	-69.65	11.82	0.00	49.17	68.20	-19.03
* 15840.00	Average	V	-	-	-82.08	16.25	0.00	41.17	53.98	-12.81
* 15840.00	Peak	V	-	-	-70.43	16.25	0.00	52.82	73.98	-21.16
* 21120.00	Average	V	-	-	-67.52	3.68	-9.54	33.61	53.98	-20.37
* 21120.00	Peak	V	-	-	-57.59	3.68	-9.54	43.55	73.98	-30.43
26400.00	Peak	V	-	-	-58.23	4.78	-9.54	44.01	68.20	-24.19

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

Worst Case Mode: 802.11ax (20MHz BW)
 Worst Case Transfer Rate: MCS0
 RU Index: 4
 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	-	-	-81.53	11.45	0.00	36.92	53.98	-17.06
* 10640.00	Peak	V	-	-	-70.02	11.45	0.00	48.43	73.98	-25.55
* 15960.00	Average	V	-	-	-82.99	17.22	0.00	41.23	53.98	-12.75
* 15960.00	Peak	V	-	-	-71.09	17.22	0.00	53.13	73.98	-20.85
* 21280.00	Average	V	-	-	-67.80	3.72	-9.54	33.38	53.98	-20.60
* 21280.00	Peak	V	-	-	-58.15	3.72	-9.54	43.03	73.98	-30.95
26600.00	Peak	V	-	-	-58.02	4.72	-9.54	44.15	68.20	-24.05

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

FCC ID: PY7-76056F	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2205240063-16.PY7	Test Dates: 6/3/2022-7/29/2022	EUT Type: Portable Handset	Page 166 of 189



Worst Case Mode: 802.11ax (20MHz BW)
 Worst Case Transfer Rate: MCS0
 RU Index: 4
 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	-	-	-80.66	11.86	0.00	38.20	53.98	-15.78
* 11000.00	Peak	V	-	-	-68.81	11.86	0.00	50.05	73.98	-23.93
16500.00	Peak	V	-	-	-70.29	17.48	0.00	54.19	68.20	-14.01
22000.00	Peak	V	-	-	-57.44	3.83	-9.54	43.86	68.20	-24.34
27500.00	Peak	V	-	-	-57.59	4.97	-9.54	44.84	68.20	-23.36

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

Worst Case Mode: 802.11ax (20MHz BW)
 Worst Case Transfer Rate: MCS0
 RU Index: 4
 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	-	-	-81.32	11.99	0.00	37.67	53.98	-16.31
* 11200.00	Peak	V	-	-	-68.98	11.99	0.00	50.01	73.98	-23.97
16800.00	Peak	V	-	-	-70.40	17.76	0.00	54.36	68.20	-13.84
* 22400.00	Average	V	-	-	-67.29	3.79	-9.54	33.96	53.98	-20.02
* 22400.00	Peak	V	-	-	-57.01	3.79	-9.54	44.24	73.98	-29.74
28000.00	Peak	V	-	-	-57.78	4.94	-9.54	44.62	68.20	-23.58

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

FCC ID: PY7-76056F	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2205240063-16.PY7	Test Dates: 6/3/2022-7/29/2022	EUT Type: Portable Handset	Page 167 of 189



Worst Case Mode: 802.11ax (20MHz BW)
 Worst Case Transfer Rate: MCS0
 RU Index: 4
 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	-	-	-82.38	12.84	0.00	37.46	53.98	-16.52
* 11440.00	Peak	V	-	-	-69.51	12.84	0.00	50.33	73.98	-23.65
17160.00	Peak	V	-	-	-69.80	17.33	0.00	54.53	68.20	-13.67
* 22880.00	Average	V	-	-	-67.45	3.79	-9.54	33.80	53.98	-20.18
* 22880.00	Peak	V	-	-	-57.24	3.79	-9.54	44.01	73.98	-29.97
28600.00	Peak	V	-	-	-56.87	5.28	-9.54	45.87	68.20	-22.33

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

Worst Case Mode: 802.11ax (20MHz BW)
 Worst Case Transfer Rate: MCS0
 RU Index: 4
 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	-	-	-82.11	12.43	0.00	37.32	53.98	-16.66
* 11490.00	Peak	V	-	-	-70.08	12.43	0.00	49.35	73.98	-24.63
17235.00	Peak	V	-	-	-69.92	17.04	0.00	54.12	68.20	-14.08
* 22980.00	Average	V	-	-	-67.94	3.79	-9.54	33.31	53.98	-20.67
* 22980.00	Peak	V	-	-	-57.58	3.79	-9.54	43.67	73.98	-30.31
28725.00	Peak	V	-	-	-58.35	5.41	-9.54	44.52	68.20	-23.68

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

FCC ID: PY7-76056F	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2205240063-16.PY7	Test Dates: 6/3/2022-7/29/2022	EUT Type: Portable Handset	Page 168 of 189



Worst Case Mode: 802.11ax (20MHz BW)
 Worst Case Transfer Rate: MCS0
 RU Index: 4
 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	-	-	-69.33	12.34	0.00	50.01	53.98	-3.97
* 11570.00	Peak	V	-	-	-81.48	12.34	0.00	37.86	73.98	-36.12
17355.00	Peak	V	-	-	-70.11	17.83	0.00	54.72	68.20	-13.48
23140.00	Peak	V	-	-	-57.53	3.75	-9.54	43.68	68.20	-24.52
28925.00	Peak	V	-	-	-58.26	5.46	-9.54	44.66	68.20	-23.54

Table 7-40. Radiated Measurements MIMO (26 Tones)

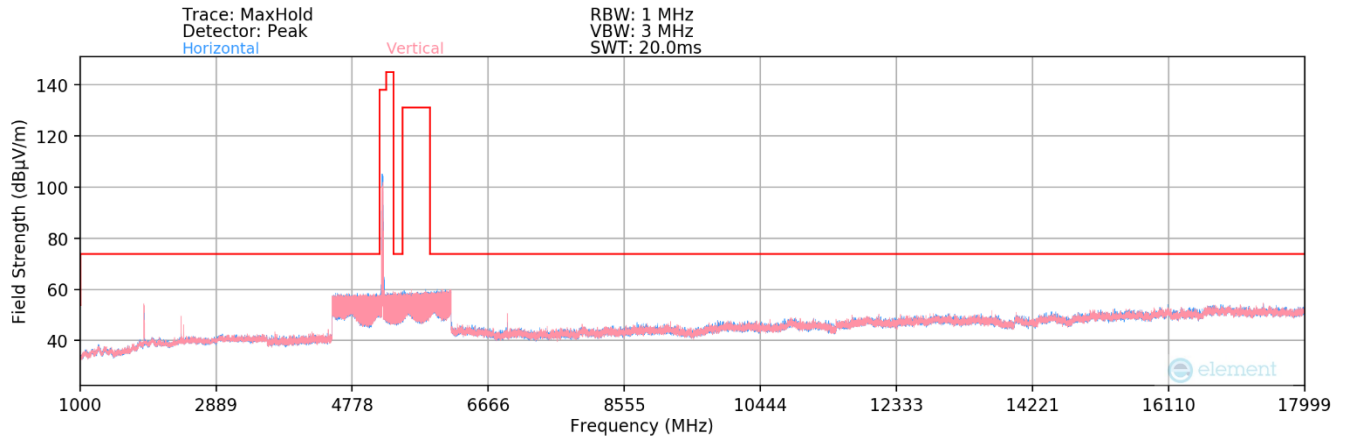
Worst Case Mode: 802.11ax (20MHz BW)
 Worst Case Transfer Rate: MCS0
 RU Index: 4
 Distance of Measurements: 1 & 3 Meters
 Operating Frequency: 5825MHz
 Channel: 165

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	-	-	-82.24	12.89	0.00	37.65	53.98	-16.33
* 11650.00	Peak	V	-	-	-70.56	12.89	0.00	49.33	73.98	-24.65
17475.00	Peak	V	-	-	-68.98	17.05	0.00	55.07	68.20	-13.13
23300.00	Peak	V	-	-	-58.49	3.76	-9.54	42.74	68.20	-25.46
29125.00	Peak	V	-	-	-57.64	5.54	-9.54	45.36	68.20	-22.84

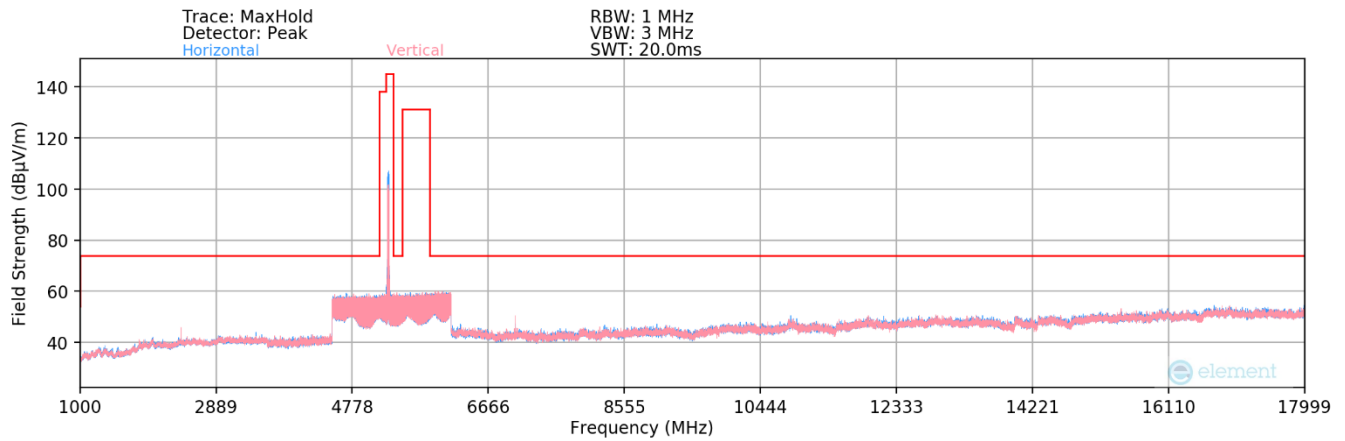
Table 7-41. Radiated Measurements MIMO (26 Tones)

FCC ID: PY7-76056F	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2205240063-16.PY7	Test Dates: 6/3/2022-7/29/2022	EUT Type: Portable Handset	Page 169 of 189

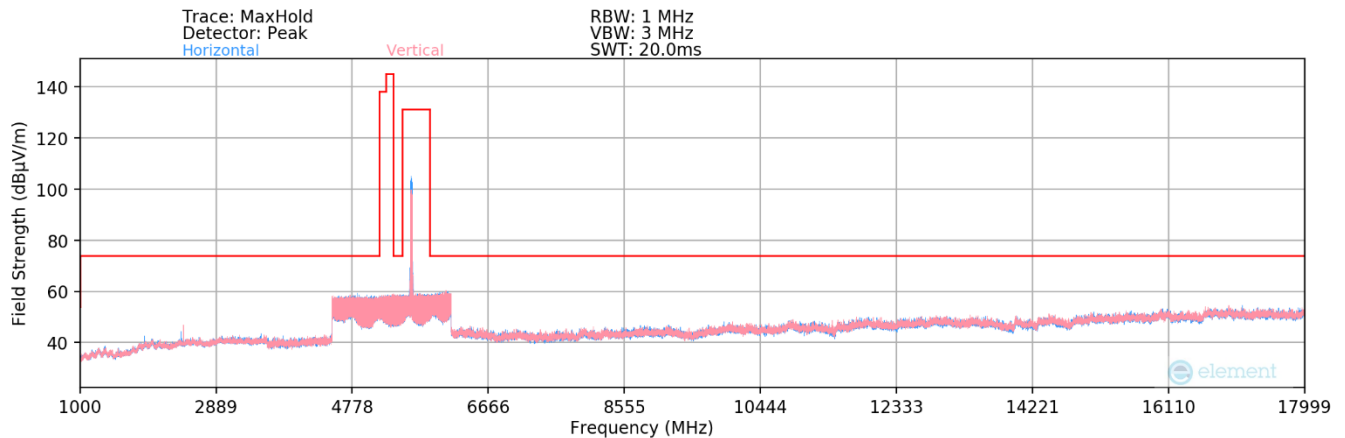
242 Tones



Plot 7-247. Radiated Spurious Plot above 1GHz MIMO (802.11ax – U1 Ch. 40 – 242 Tones)

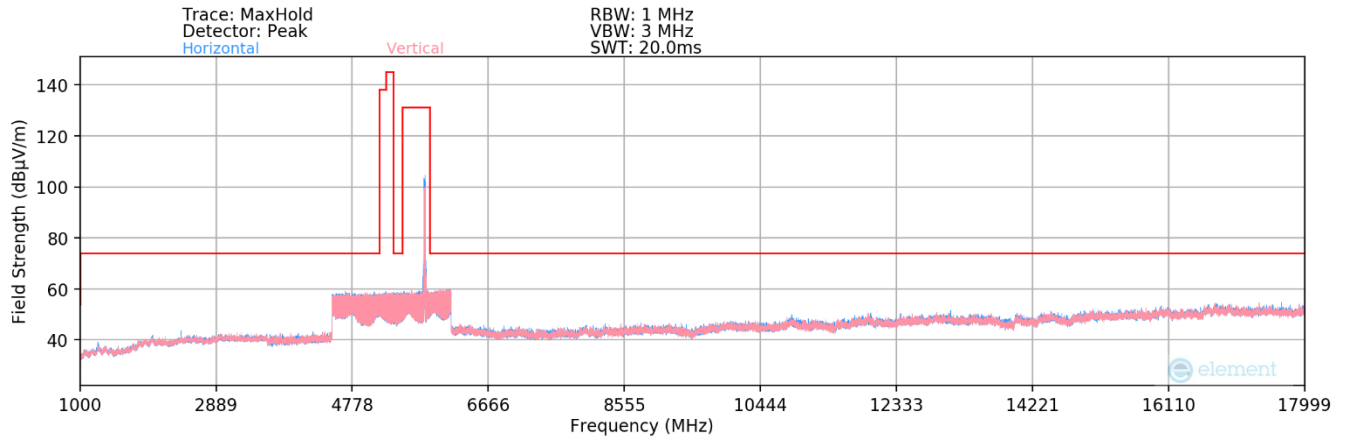


Plot 7-248. Radiated Spurious Plot above 1GHz MIMO (802.11ax – U2A Ch. 56 – 242 Tones)



Plot 7-249. Radiated Spurious Plot above 1GHz MIMO (802.11ax – U2C Ch. 120 – 242 Tones)

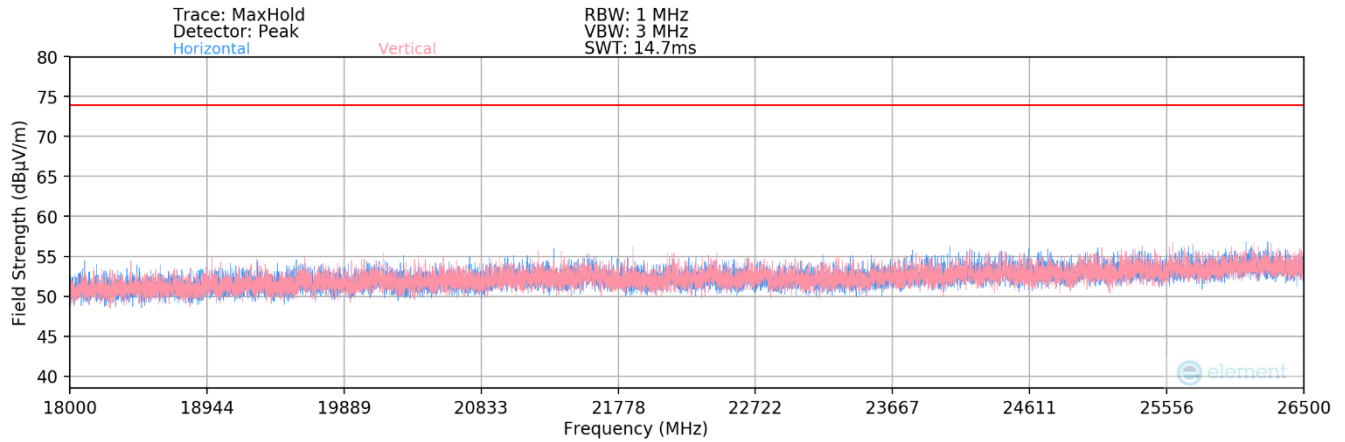
FCC ID: PY7-76056F	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2205240063-16.PY7	Test Dates: 6/3/2022-7/29/2022	EUT Type: Portable Handset	Page 170 of 189



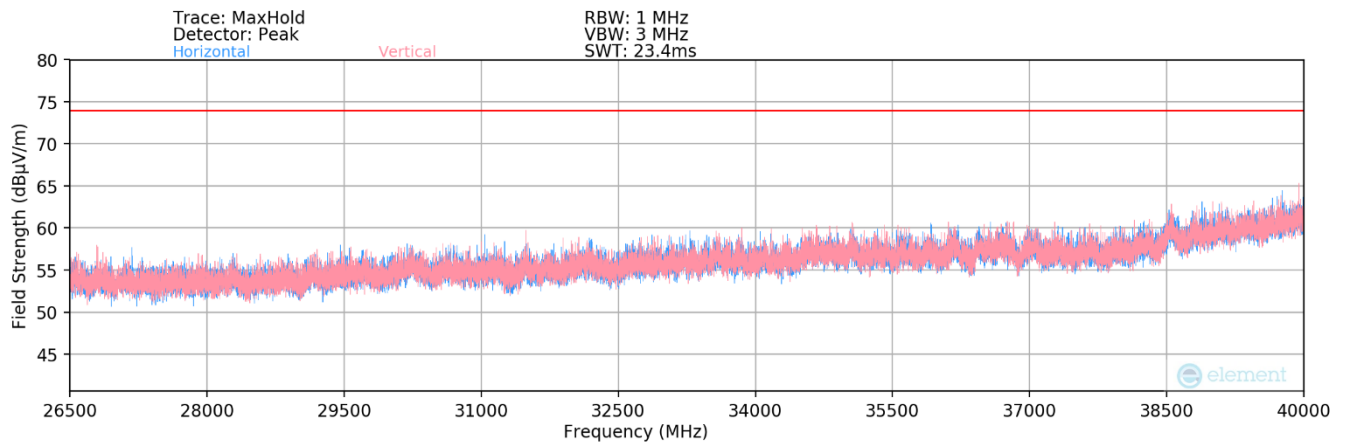
Plot 7-250. Radiated Spurious Plot above 1GHz MIMO (802.11ax – U3 Ch. 157 – 242 Tones)

FCC ID: PY7-76056F	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2205240063-16.PY7	Test Dates: 6/3/2022-7/29/2022	EUT Type: Portable Handset	Page 171 of 189

MIMO Radiated Spurious Emissions Measurements (Above 18GHz)



Plot 7-251. Radiated Spurious Plot 18GHz - 26.5GHz MIMO (802.11ax – 242 Tones)



Plot 7-252. Radiated Spurious Plot 26.5GHz - 40GHz MIMO (802.11ax – 242 Tones)

FCC ID: PY7-76056F	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2205240063-16.PY7	Test Dates: 6/3/2022-7/29/2022	EUT Type: Portable Handset	Page 172 of 189



MIMO Radiated Spurious Emission Measurements (242 Tones)

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

Worst Case Mode: 802.11ax (20MHz BW)
 Worst Case Transfer Rate: MCS0
 RU Index: 61
 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	-	-	-69.41	11.20	0.00	48.79	68.20	-19.41
* 15540.00	Average	V	-	-	-81.80	16.02	0.00	41.22	53.98	-12.76
* 15540.00	Peak	V	-	-	-69.88	16.02	0.00	53.14	73.98	-20.84
* 20720.00	Average	V	-	-	-67.88	3.16	-9.54	32.74	53.98	-21.24
* 20720.00	Peak	V	-	-	-57.77	3.16	-9.54	42.84	73.98	-31.14
25900.00	Peak	V	-	-	-57.44	4.77	-9.54	44.79	68.20	-23.41

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

Worst Case Mode: 802.11ax (20MHz BW)
 Worst Case Transfer Rate: MCS0
 RU Index: 61
 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	-	-	-69.78	11.14	0.00	48.36	68.20	-19.84
* 15600.00	Average	V	-	-	-81.65	16.27	0.00	41.62	53.98	-12.36
* 15600.00	Peak	V	-	-	-70.06	16.27	0.00	53.21	73.98	-20.77
* 20800.00	Average	V	-	-	-66.70	3.48	-9.54	34.24	53.98	-19.74
* 20800.00	Peak	V	-	-	-56.69	3.48	-9.54	44.24	73.98	-29.73
26000.00	Peak	V	-	-	-57.61	5.16	-9.54	45.00	68.20	-23.20

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

FCC ID: PY7-76056F	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2205240063-16.PY7	Test Dates: 6/3/2022-7/29/2022	EUT Type: Portable Handset	Page 173 of 189



Worst Case Mode: 802.11ax (20MHz BW)
 Worst Case Transfer Rate: MCS0
 RU Index: 61
 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	-	-	-69.78	11.80	0.00	49.02	68.20	-19.18
* 15720.00	Average	V	-	-	-82.00	16.84	0.00	41.84	53.98	-12.14
* 15720.00	Peak	V	-	-	-69.95	16.84	0.00	53.89	73.98	-20.09
* 20960.00	Average	V	-	-	-68.05	3.47	-9.54	32.88	53.98	-21.10
* 20960.00	Peak	V	-	-	-57.74	3.47	-9.54	43.19	73.98	-30.79
26200.00	Peak	V	-	-	-56.79	4.78	-9.54	45.45	68.20	-22.75

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

Worst Case Mode: 802.11ax (20MHz BW)
 Worst Case Transfer Rate: MCS0
 RU Index: 61
 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	-	-	-70.18	11.91	0.00	48.73	68.20	-19.47
* 15780.00	Average	V	-	-	-82.33	16.44	0.00	41.11	53.98	-12.87
* 15780.00	Peak	V	-	-	-70.65	16.44	0.00	52.79	73.98	-21.19
* 21040.00	Average	V	-	-	-67.50	3.53	-9.54	33.49	53.98	-20.49
* 21040.00	Peak	V	-	-	-57.36	3.53	-9.54	43.63	73.98	-30.35
26300.00	Peak	V	-	-	-57.38	4.64	-9.54	44.72	68.20	-23.48

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

FCC ID: PY7-76056F	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2205240063-16.PY7	Test Dates: 6/3/2022-7/29/2022	EUT Type: Portable Handset	Page 174 of 189



Worst Case Mode: 802.11ax (20MHz BW)
 Worst Case Transfer Rate: MCS0
 RU Index: 61
 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	-	-	-69.76	11.82	0.00	49.06	68.20	-19.14
* 15840.00	Average	V	-	-	-81.97	16.25	0.00	41.28	53.98	-12.70
* 15840.00	Peak	V	-	-	-70.13	16.25	0.00	53.12	73.98	-20.86
* 21120.00	Average	V	-	-	-67.15	3.68	-9.54	33.99	53.98	-19.99
* 21120.00	Peak	V	-	-	-56.76	3.68	-9.54	44.38	73.98	-29.60
26400.00	Peak	V	-	-	-57.41	4.78	-9.54	44.83	68.20	-23.37

Table 7-46. Radiated Measurements MIMO (242 Tones)

Worst Case Mode: 802.11ax (20MHz BW)
 Worst Case Transfer Rate: MCS0
 RU Index: 61
 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	-	-	-81.49	11.45	0.00	36.96	53.98	-17.02
* 10640.00	Peak	V	-	-	-68.76	11.45	0.00	49.69	73.98	-24.29
* 15960.00	Average	V	-	-	-82.99	17.22	0.00	41.23	53.98	-12.75
* 15960.00	Peak	V	-	-	-71.23	17.22	0.00	52.99	73.98	-20.99
* 21280.00	Average	V	-	-	-67.43	3.72	-9.54	33.75	53.98	-20.23
* 21280.00	Peak	V	-	-	-56.98	3.72	-9.54	44.20	73.98	-29.78
26600.00	Peak	V	-	-	-58.21	4.72	-9.54	43.97	68.20	-24.23

Table 7-47. Radiated Measurements MIMO (242 Tones)

FCC ID: PY7-76056F	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2205240063-16.PY7	Test Dates: 6/3/2022-7/29/2022	EUT Type: Portable Handset	Page 175 of 189

Worst Case Mode: 802.11ax (20MHz BW)
 Worst Case Transfer Rate: MCS0
 RU Index: 61
 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	-	-	-80.76	11.86	0.00	38.10	53.98	-15.88
* 11000.00	Peak	V	-	-	-69.20	11.86	0.00	49.66	73.98	-24.32
16500.00	Peak	V	-	-	-70.05	17.48	0.00	54.43	68.20	-13.77
22000.00	Peak	V	-	-	-57.57	3.83	-9.54	43.73	68.20	-24.47
27500.00	Peak	V	-	-	-56.96	4.97	-9.54	45.46	68.20	-22.74

Table 7-48. Radiated Measurements MIMO (242 Tones)

Worst Case Mode: 802.11ax (20MHz BW)
 Worst Case Transfer Rate: MCS0
 RU Index: 61
 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	-	-	-81.36	11.99	0.00	37.63	53.98	-16.35
* 11200.00	Peak	V	-	-	-69.13	11.99	0.00	49.86	73.98	-24.12
16800.00	Peak	V	-	-	-70.49	17.76	0.00	54.27	68.20	-13.93
* 22400.00	Average	V	-	-	-67.19	3.79	-9.54	34.06	53.98	-19.92
* 22400.00	Peak	V	-	-	-56.34	3.79	-9.54	44.91	73.98	-29.07
28000.00	Peak	V	-	-	-57.31	4.94	-9.54	45.08	68.20	-23.12

Table 7-49. Radiated Measurements MIMO (242 Tones)

FCC ID: PY7-76056F	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2205240063-16.PY7	Test Dates: 6/3/2022-7/29/2022	EUT Type: Portable Handset	Page 176 of 189



Worst Case Mode: 802.11ax (20MHz BW)
 Worst Case Transfer Rate: MCS0
 RU Index: 61
 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	-	-	-82.27	12.84	0.00	37.57	53.98	-16.41
* 11440.00	Peak	V	-	-	-70.41	12.84	0.00	49.43	73.98	-24.55
17160.00	Peak	V	-	-	-70.11	17.33	0.00	54.22	68.20	-13.98
* 22880.00	Average	V	-	-	-67.33	3.79	-9.54	33.92	53.98	-20.06
* 22880.00	Peak	V	-	-	-57.13	3.79	-9.54	44.12	73.98	-29.85
28600.00	Peak	V	-	-	-56.91	5.28	-9.54	45.83	68.20	-22.37

Table 7-50. Radiated Measurements MIMO (242 Tones)

Worst Case Mode: 802.11ax (20MHz BW)
 Worst Case Transfer Rate: MCS0
 RU Index: 61
 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	-	-	-82.19	12.43	0.00	37.24	53.98	-16.74
* 11490.00	Peak	V	-	-	-70.34	12.43	0.00	49.09	73.98	-24.89
17235.00	Peak	V	-	-	-69.95	17.04	0.00	54.09	68.20	-14.11
* 22980.00	Average	V	-	-	-68.09	3.79	-9.54	33.15	53.98	-20.83
* 22980.00	Peak	V	-	-	-56.94	3.79	-9.54	44.30	73.98	-29.68
28725.00	Peak	V	-	-	-57.41	5.41	-9.54	45.46	68.20	-22.74

Table 7-51. Radiated Measurements MIMO (242 Tones)

FCC ID: PY7-76056F	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2205240063-16.PY7	Test Dates: 6/3/2022-7/29/2022	EUT Type: Portable Handset	Page 177 of 189



Worst Case Mode: 802.11ax (20MHz BW)
 Worst Case Transfer Rate: MCS0
 RU Index: 61
 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	-	-	-81.42	12.34	0.00	37.92	53.98	-16.06
* 11570.00	Peak	V	-	-	-69.31	12.34	0.00	50.03	73.98	-23.95
17355.00	Peak	V	-	-	-70.19	17.83	0.00	54.64	68.20	-13.56
23140.00	Peak	V	-	-	-57.39	3.75	-9.54	43.82	68.20	-24.38
28925.00	Peak	V	-	-	-57.91	5.46	-9.54	45.01	68.20	-23.19

Table 7-52. Radiated Measurements MIMO (242 Tones)

Worst Case Mode: 802.11ax (20MHz BW)
 Worst Case Transfer Rate: MCS0
 RU Index: 61
 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	-	-	-82.34	12.89	0.00	37.55	53.98	-16.43
* 11650.00	Peak	V	-	-	-70.46	12.89	0.00	49.43	73.98	-24.55
17475.00	Peak	V	-	-	-69.85	17.05	0.00	54.20	68.20	-14.00
23300.00	Peak	V	-	-	-57.94	3.76	-9.54	43.28	68.20	-24.92
29125.00	Peak	V	-	-	-57.90	5.54	-9.54	45.10	68.20	-23.10

Table 7-53. Radiated Measurements MIMO (242 Tones)

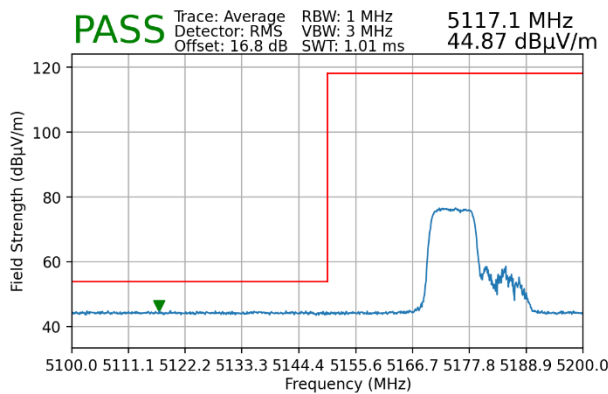
FCC ID: PY7-76056F	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2205240063-16.PY7	Test Dates: 6/3/2022-7/29/2022	EUT Type: Portable Handset	Page 178 of 189

7.6.2 MIMO Antenna-1 Radiated Band Edge Measurements (20MHz BW)

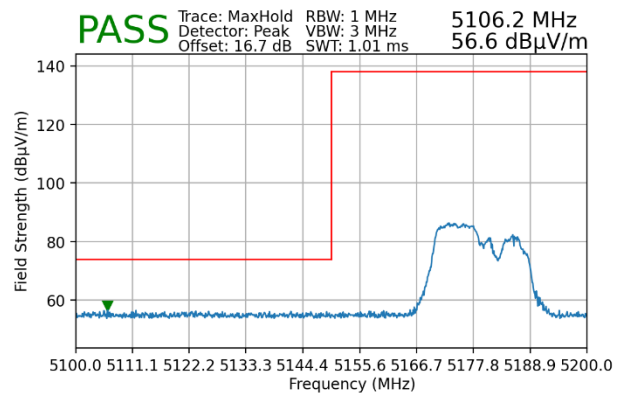
§15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]; RSS-Gen [8.9]

106 Tones

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

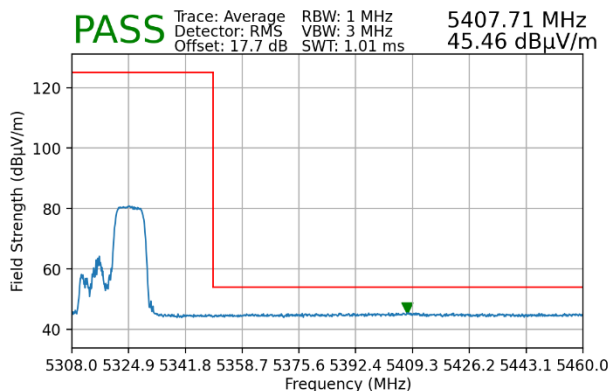


Plot 7-253. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 106 Tones)

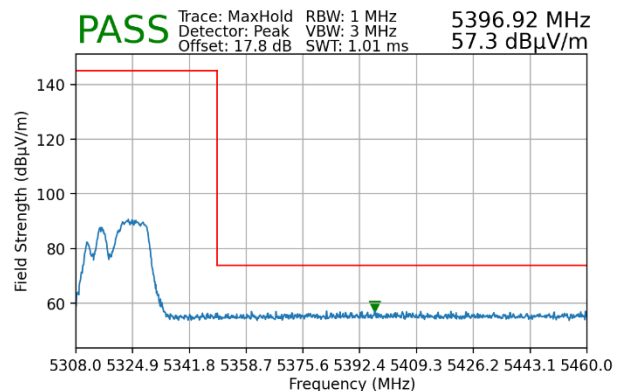


Plot 7-254. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1 – 106 Tones)

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



Plot 7-255. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A – 106 Tones)

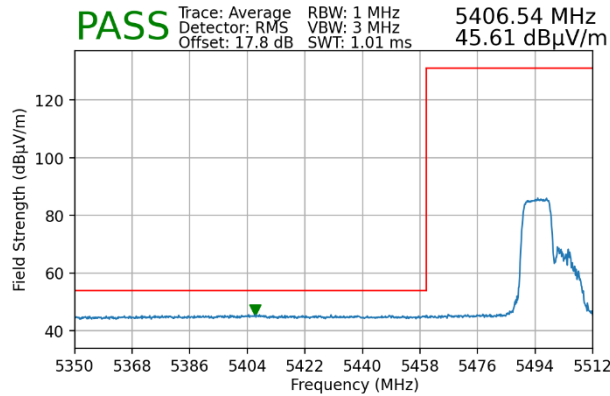


Plot 7-256. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 106Tones)

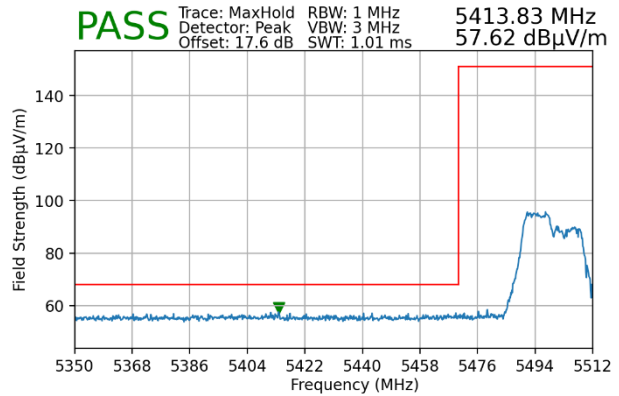
FCC ID: PY7-76056F	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2205240063-16.PY7	Test Dates: 6/3/2022-7/29/2022	EUT Type: Portable Handset	Page 179 of 189



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

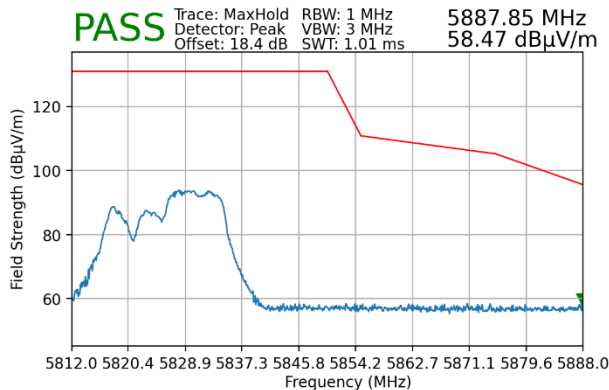


Plot 7-257. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C – 106 Tones)



Plot 7-258. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C – 106 Tones)

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

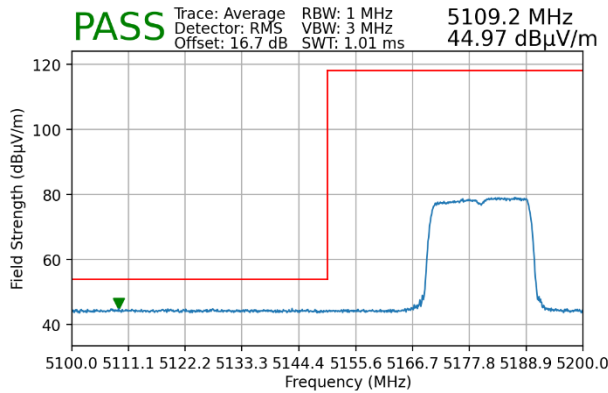


Plot 7-259. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 3 – 106 Tones)

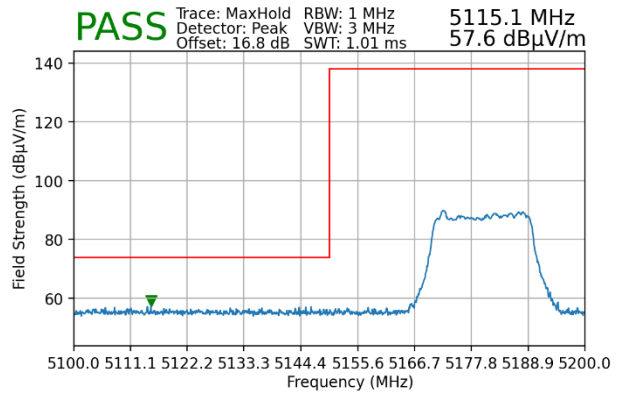
FCC ID: PY7-76056F	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2205240063-16.PY7	Test Dates: 6/3/2022-7/29/2022	EUT Type: Portable Handset	Page 180 of 189

242 Tones

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

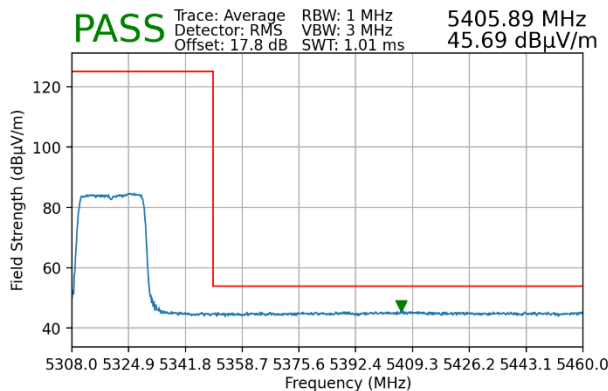


Plot 7-260. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 242 Tones)

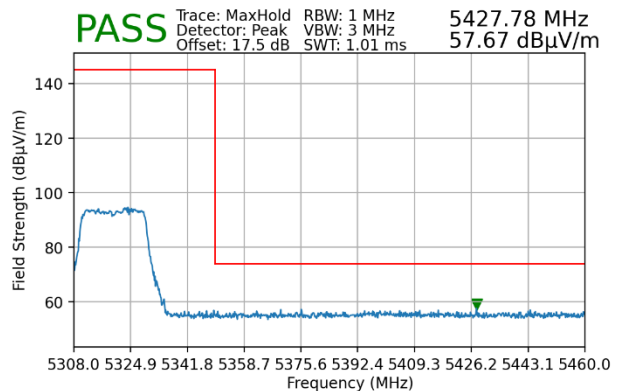


Plot 7-261. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1 – 242 Tones)

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



Plot 7-262. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A – 242 Tones)

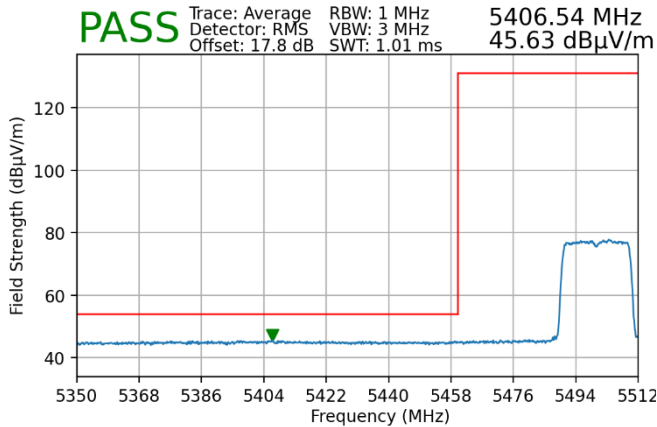


Plot 7-263. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 242 Tones)

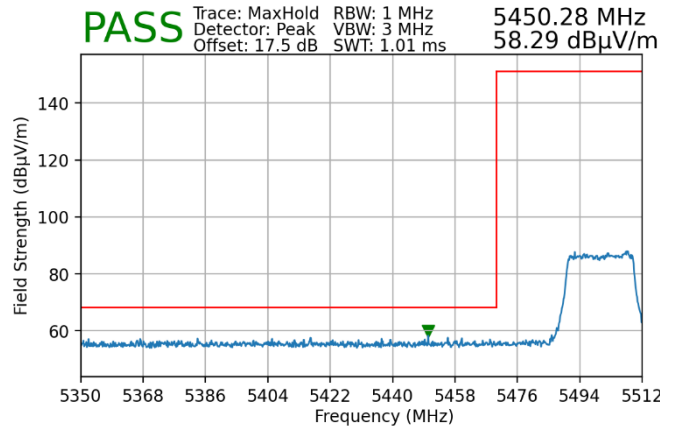
FCC ID: PY7-76056F	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2205240063-16.PY7	Test Dates: 6/3/2022-7/29/2022	EUT Type: Portable Handset	Page 181 of 189



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

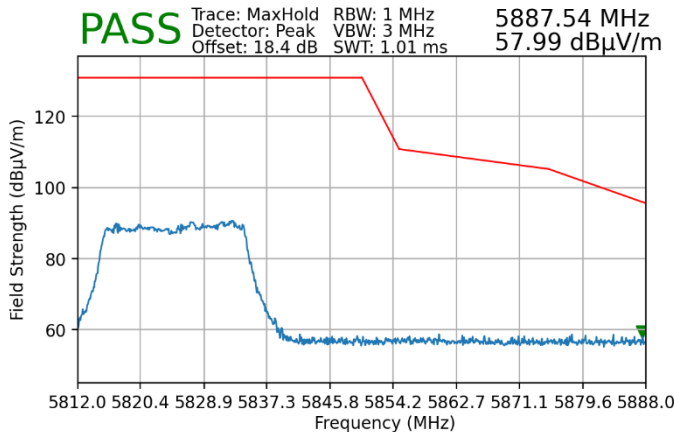


Plot 7-264. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C – 242 Tones)



Plot 7-265. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C – 242 Tones)

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



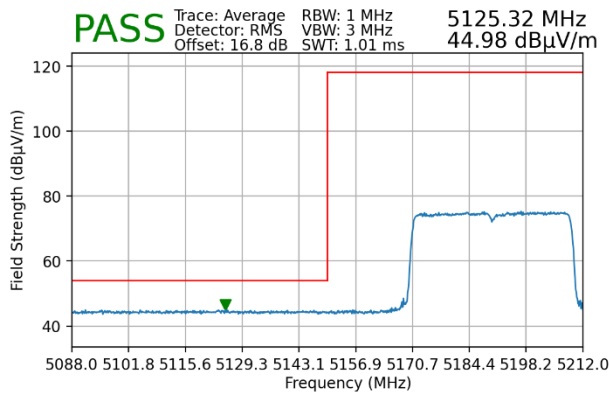
Plot 7-266. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 3 – 242 Tones)

FCC ID: PY7-76056F	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2205240063-16.PY7	Test Dates: 6/3/2022-7/29/2022	EUT Type: Portable Handset	Page 182 of 189

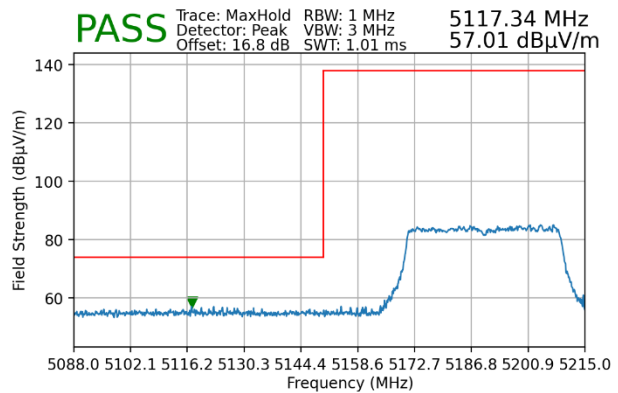
7.6.3 MIMO Antenna-1 Radiated Band Edge Measurements (40MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

484 Tones

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

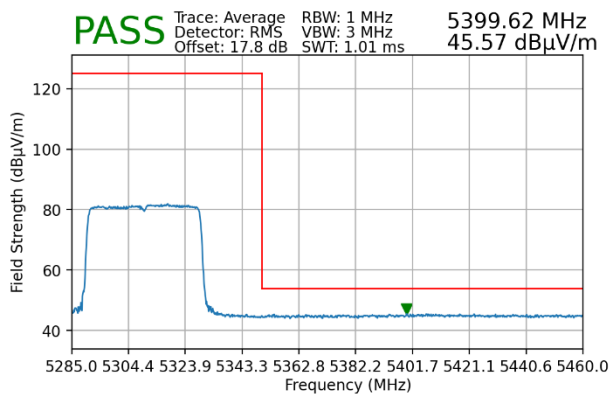


Plot 7-267. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 484 Tones)

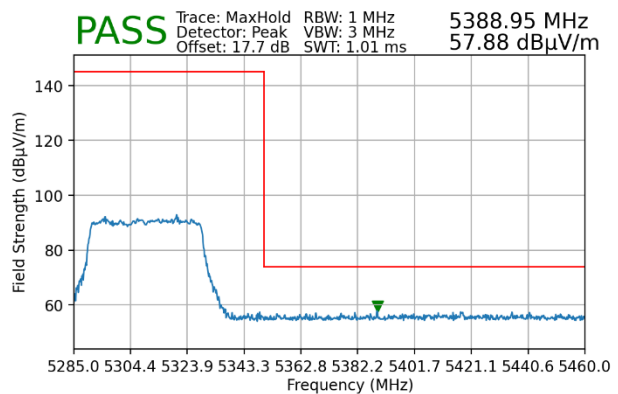


Plot 7-268. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1 – 484 Tones)

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



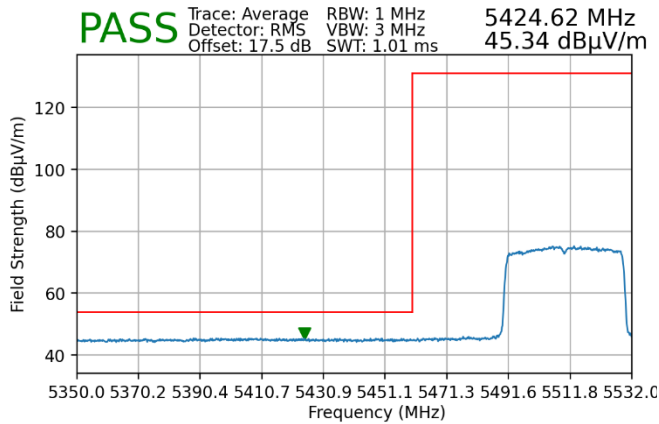
Plot 7-269. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A – 484 Tones)



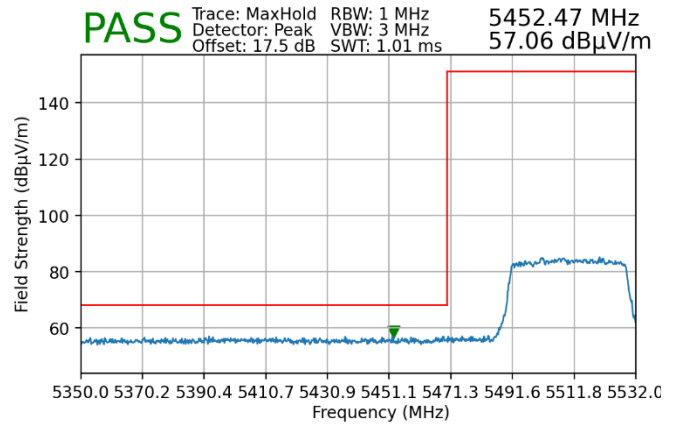
Plot 7-270. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 484 Tones)

FCC ID: PY7-76056F	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2205240063-16.PY7	Test Dates: 6/3/2022-7/29/2022	EUT Type: Portable Handset	Page 183 of 189

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

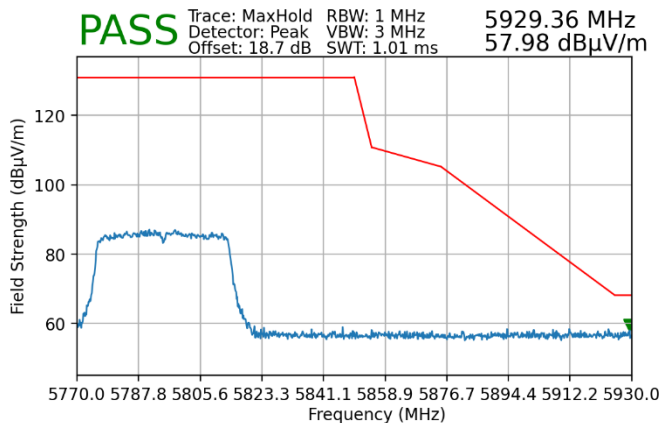


Plot 7-271. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C – 484 Tones)



Plot 7-272. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C – 484 Tones)

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



Plot 7-273. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 3 – 484 Tones)

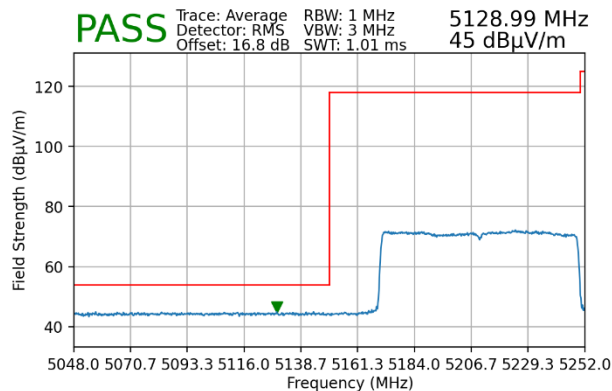
FCC ID: PY7-76056F	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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7.6.4 MIMO Antenna-1 Radiated Band Edge Measurements (80MHz BW)

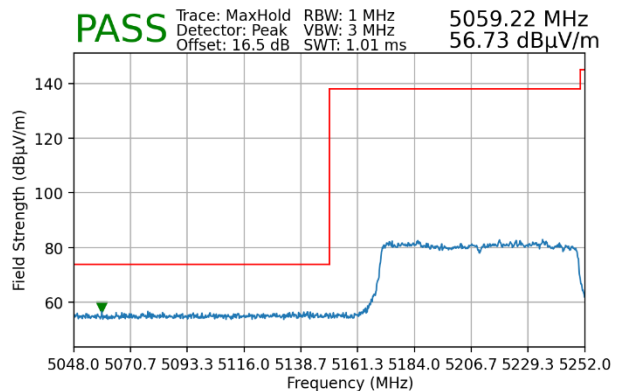
§15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

996 Tones

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

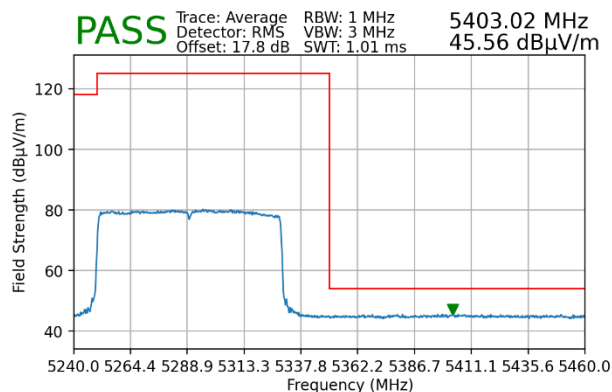


Plot 7-274. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 996 Tones)

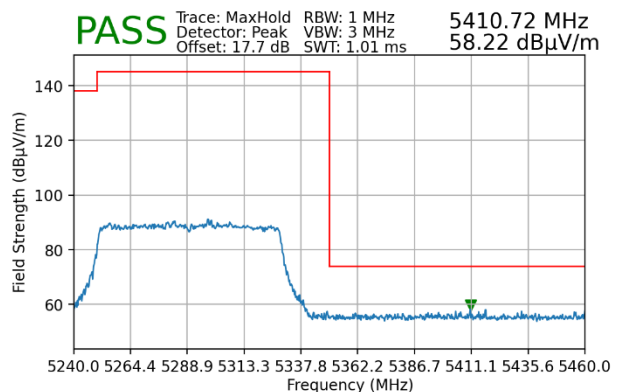


Plot 7-275. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1 – 996 Tones)

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



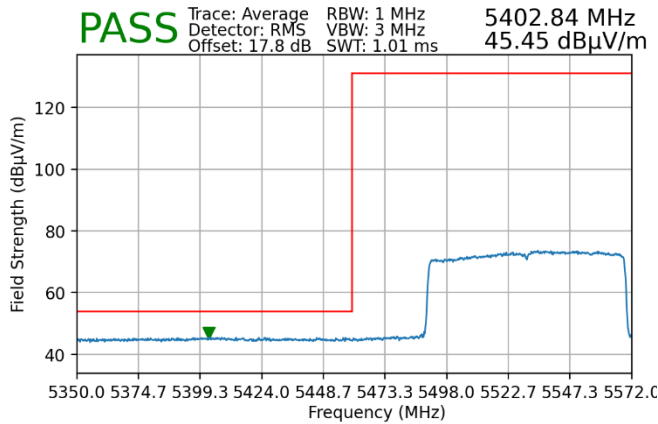
Plot 7-276. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A – 996 Tones)



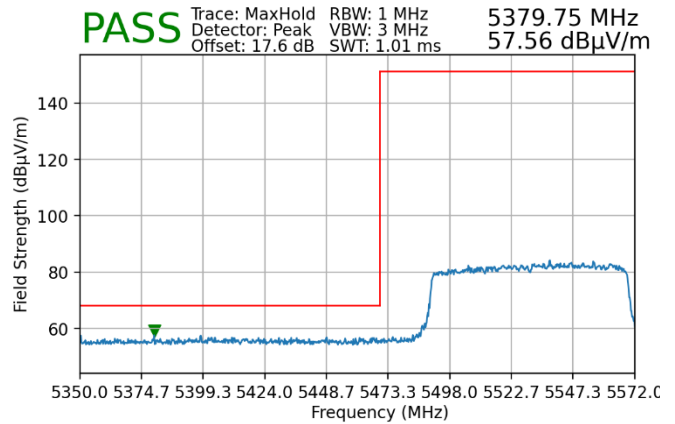
Plot 7-277. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 996 Tones)

FCC ID: PY7-76056F	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index:	67
Distance of Measurements:	3 Meters
Operating Frequency:	5530MHz
Channel:	106

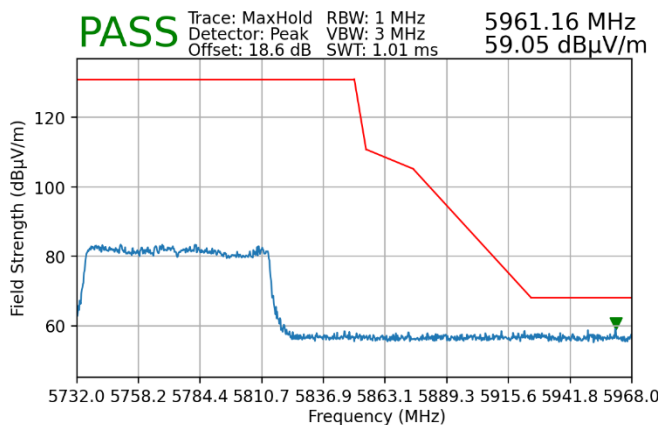


Plot 7-278. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C – 996 Tones)



Plot 7-279. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C – 996 Tones)

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



Plot 7-280. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 3 – 996 Tones)

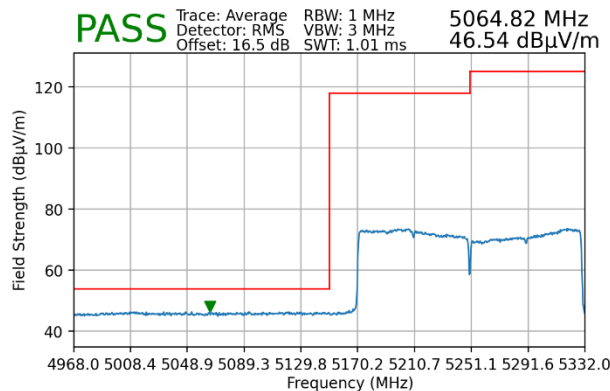
FCC ID: PY7-76056F	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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7.6.5 MIMO Antenna-1 Radiated Band Edge Measurements (160MHz BW)

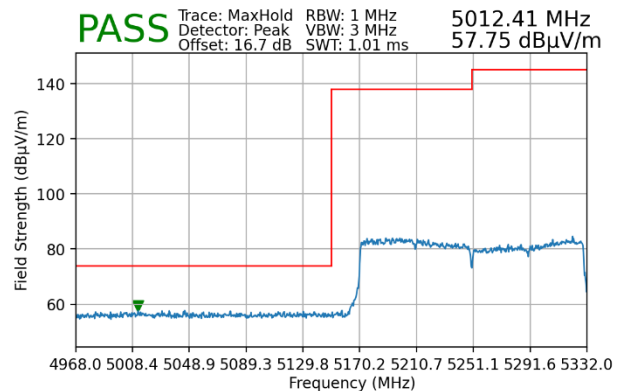
\$15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

996 Tones

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index:	67
Distance of Measurements:	3 Meters
Operating Frequency:	5250MHz
Channel:	50

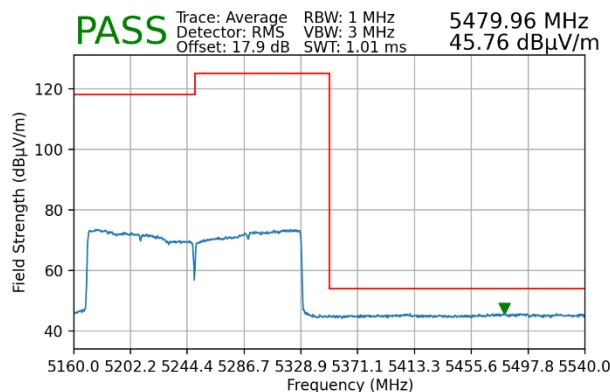


Plot 7-281. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1/2A – 996 Tones)

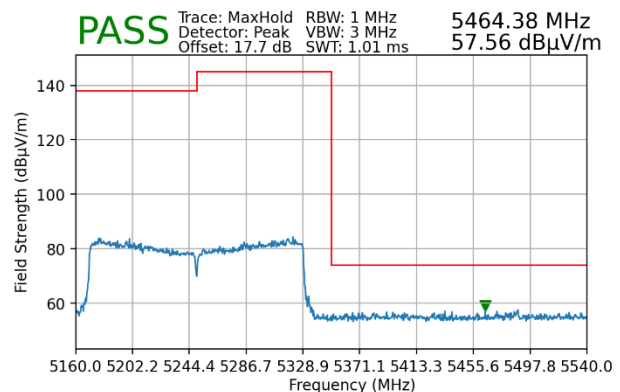


Plot 7-282. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1/2A – 996 Tones)

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index:	67
Distance of Measurements:	3 Meters
Operating Frequency:	5250MHz
Channel:	50



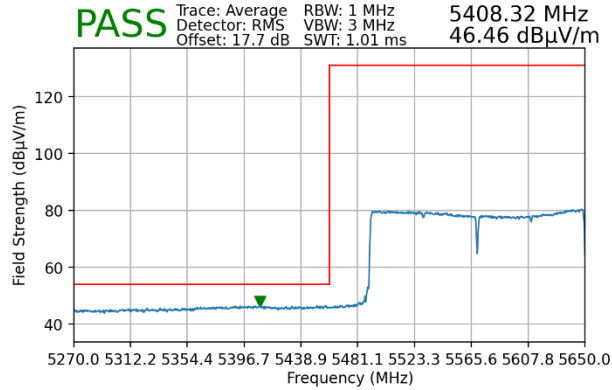
Plot 7-283. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 1/2A – 996 Tones)



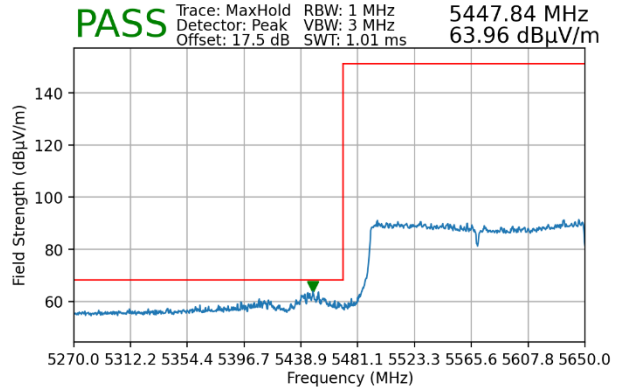
Plot 7-284. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 1/2A – 996 Tones)

FCC ID: PY7-76056F	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
RU Index:	67
Distance of Measurements:	3 Meters
Operating Frequency:	5570MHz
Channel:	114



Plot 7-285. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C – 996 Tones)



Plot 7-286. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C – 996 Tones)

FCC ID: PY7-76056F	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Sony Corporation Portable Handset FCC ID: PY7-76056F** is in compliance with Part 15 Subpart E (15.407) of the FCC Rules.

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