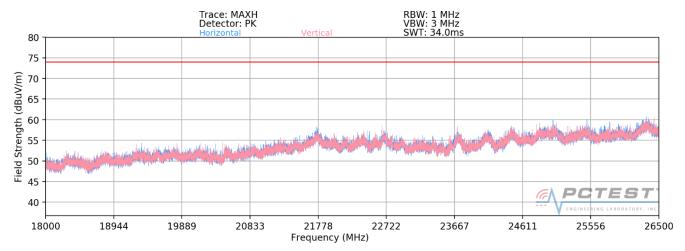
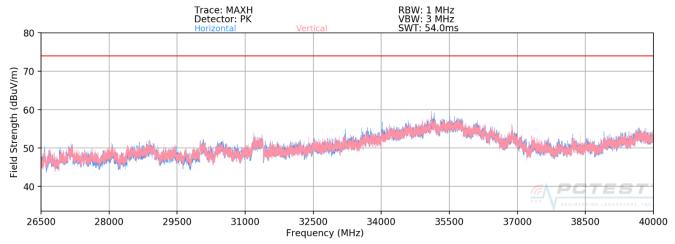


SISO Antenna-2 Radiated Spurious Emissions Measurements (Above 18GHz)



Plot 7-287. Radiated Spurious Plot 18GHz - 26.5GHz SISO ANT2 (802.11ax - 26 Tones)



Plot 7-288. Radiated Spurious Plot 26.5GHz - 40GHz SISO ANT2 (802.11ax - 26 Tones)

FCC ID: A3LSMG986U	PETEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 209 of 265
1M1910220166-09.A3L	10/11/19 - 01/15/20	Portable Handset	Fage 209 01 205

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SISO Antenna-2 Radiated Spurious Emission Measurements

§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: 54

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	Н	103	277	-72.06	18.27	0.00	53.21	68.20	-14.99
*	15540.00	Average	Н	-	-	-86.23	28.22	0.00	48.99	53.98	-4.99
*	15540.00	Peak	Н	-	-	-74.38	28.22	0.00	60.84	73.98	-13.14
*	20720.00	Average	Н	-	-	-77.97	17.51	-9.54	37.00	53.98	-16.98
*	20720.00	Peak	Н	-	-	-68.02	17.51	-9.54	46.95	73.98	-27.03
	25900.00	Peak	Н	-	-	-65.65	19.88	-9.54	51.69	68.20	-16.51

Table 7-88. Radiated Measurements SISO ANT2 (26 Tones)

Worst Case Mode: 802.11ax (20MHz BW)

Worst Case Transfer Rate: MCS0

RU Index: 54

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5200MHz

	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	Н	-	-	-73.71	18.76	0.00	52.05	68.20	-16.15
*	15600.00	Average	Н	-	-	-86.32	27.97	0.00	48.65	53.98	-5.33
*	15600.00	Peak	Н	-	-	-75.35	27.97	0.00	59.62	73.98	-14.36
*	20800.00	Average	Н	-	-	-77.91	17.87	-9.54	37.42	53.98	-16.56
*	20800.00	Peak	Н	-	-	-67.10	17.87	-9.54	48.23	73.98	-25.75
	26000.00	Peak	Н	-	-	-65.70	20.15	-9.54	51.91	68.20	-16.29

Table 7-89. Radiated Measurements SISO ANT2 (26 Tones)

FCC ID: A3LSMG986U	PETEST (HIGHELINE LABORATORS, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogg 240 of 265
1M1910220166-09.A3L	10/11/19 - 01/15/20	Portable Handset	Page 210 of 265



Worst Case Transfer Rate: MCS0

RU Index: 54

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]
ĺ	10480.00	Peak	Н	-	-	-74.43	19.02	0.00	51.59	68.20	-16.61
*	15720.00	Average	Н	-	-	-86.43	27.74	0.00	48.31	53.98	-5.67
*	15720.00	Peak	Н	-	-	-74.53	27.74	0.00	60.21	73.98	-13.77
*	20960.00	Average	Н	-	-	-78.10	18.06	-9.54	37.42	53.98	-16.56
*	20960.00	Peak	Н	-	-	-67.09	18.06	-9.54	48.43	73.98	-25.55
	26200.00	Peak	Н	-	-	-66.51	20.23	-9.54	51.18	68.20	-17.02

Table 7-90. Radiated Measurements SISO ANT2 (26 Tones)

Worst Case Mode: 802.11ax (20MHz BW)

Worst Case Transfer Rate: MCS0

RU Index: 54

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5260MHz

	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	Н	-	-	-73.54	18.89	0.00	52.35	68.20	-15.85
*	15780.00	Average	Н	-	-	-86.34	27.43	0.00	48.09	53.98	-5.89
*	15780.00	Peak	Н	-	-	-74.47	27.43	0.00	59.96	73.98	-14.02
*	21040.00	Average	Н	-	-	-77.70	18.36	-9.54	38.12	53.98	-15.86
*	21040.00	Peak	Н	-	-	-67.06	18.36	-9.54	48.76	73.98	-25.22
	26300.00	Peak	Н	-	-	-65.58	20.96	-9.54	52.84	68.20	-15.36

Table 7-91. Radiated Measurements SISO ANT2 (26 Tones)

FCC ID: A3LSMG986U	PCTEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dags 244 of 265
1M1910220166-09.A3L	10/11/19 - 01/15/20	Portable Handset	Page 211 of 265



RU Index:

Worst Case Mode: 802.11ax (20MHz BW)

Worst Case Transfer Rate: MCS0

54

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	Н	-	-	-73.66	18.87	0.00	52.21	68.20	-15.99
*	15840.00	Average	Н	-	-	-86.38	28.80	0.00	49.42	53.98	-4.56
*	15840.00	Peak	Н	-	-	-75.35	28.80	0.00	60.45	73.98	-13.53
*	21120.00	Average	Н	-	-	-77.41	18.17	-9.54	38.22	53.98	-15.76
*	21120.00	Peak	Н	-	-	-67.30	18.17	-9.54	48.33	73.98	-25.65
	26400.00	Peak	Н	-	-	-64.56	20.65	-9.54	53.55	68.20	-14.65

Table 7-92. Radiated Measurements SISO ANT2 (26 Tones)

Worst Case Mode: 802.11ax (20MHz BW)

Worst Case Transfer Rate: MCS0

RU Index: 54

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5320MHz

	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	Н	-	-	-85.03	19.05	0.00	41.02	53.98	-12.96
*	10640.00	Peak	Н		-	-74.01	19.05	0.00	52.04	73.98	-21.94
*	15960.00	Average	Н	-	-	-86.37	27.12	0.00	47.75	53.98	-6.23
*	15960.00	Peak	Н	-	-	-75.75	27.12	0.00	58.37	73.98	-15.61
*	21280.00	Average	Н	-	-	-77.31	18.57	-9.54	38.72	53.98	-15.26
*	21280.00	Peak	Н	-	-	-66.71	18.57	-9.54	49.32	73.98	-24.66
	26600.00	Peak	Н	-	-	-52.18	5.16	-9.54	50.44	68.20	-17.76

Table 7-93. Radiated Measurements SISO ANT2 (26 Tones)

FCC ID: A3LSMG986U	PETEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Domo 242 of 265
1M1910220166-09.A3L	10/11/19 - 01/15/20	Portable Handset	Page 212 of 265



Worst Case Transfer Rate: MCS0

RU Index: 54

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	Н	-	-	-85.18	19.60	0.00	41.42	53.98	-12.56
*	11000.00	Peak	Н	-	-	-73.94	19.60	0.00	52.66	73.98	-21.32
	16500.00	Peak	Н	-	-	-75.09	28.33	0.00	60.24	68.20	-7.96
	22000.00	Peak	Н	-	-	-67.51	19.12	-9.54	49.07	68.20	-19.13
	27500.00	Peak	Н	-	-	-51.88	3.98	-9.54	49.56	68.20	-18.64

Table 7-94. Radiated Measurements SISO ANT2 (26 Tones)

Worst Case Mode: 802.11ax (20MHz BW)

Worst Case Transfer Rate: MCS0

RU Index: 54

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5600MHz

	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	Н	-	-	-85.30	19.94	0.00	41.64	53.98	-12.34
*	11200.00	Peak	Н	-	-	-73.89	19.94	0.00	53.05	73.98	-20.93
	16800.00	Peak	Н	-	1	-74.62	30.43	0.00	62.81	68.20	-5.39
*	22400.00	Average	Н	-	-	-78.05	20.03	-9.54	39.44	53.98	-14.54
*	22400.00	Peak	Н	-	1	-67.43	20.03	-9.54	50.06	73.98	-23.92
	28000.00	Peak	Н	-	-	-52.08	4.70	-9.54	50.08	68.20	-18.12

Table 7-95. Radiated Measurements SISO ANT2 (26 Tones)

FCC ID: A3LSMG986U	PCTEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dags 242 of 265
1M1910220166-09.A3L	10/11/19 - 01/15/20	Portable Handset	Page 213 of 265



Worst Case Transfer Rate: MCS0

RU Index: 54

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	Н	-	-	-84.80	19.66	0.00	41.86	53.98	-12.12
*	11440.00	Peak	Н		-	-73.63	19.66	0.00	53.03	73.98	-20.95
	17160.00	Peak	Н	-	-	-74.20	30.32	0.00	63.12	68.20	-5.08
*	22880.00	Average	Н		-	-78.24	19.50	-9.54	38.72	53.98	-15.26
*	22880.00	Peak	Н	-	-	-67.16	19.50	-9.54	49.80	73.98	-24.18
	28600.00	Peak	Н		-	-52.37	5.14	-9.54	50.23	68.20	-17.97

Table 7-96. Radiated Measurements SISO ANT2 (26 Tones)

Worst Case Mode: 802.11ax (20MHz BW)

Worst Case Transfer Rate: MCS0

RU Index: 54

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5745MHz

	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	Н		-	-84.63	20.22	0.00	42.59	53.98	-11.39
*	11490.00	Peak	Н	-	-	-73.37	20.22	0.00	53.85	73.98	-20.13
	17235.00	Peak	Н	-	-	-74.17	29.88	0.00	62.71	68.20	-5.49
*	22980.00	Average	Н		-	-78.23	19.89	-9.54	39.12	53.98	-14.86
*	22980.00	Peak	Н	-	-	-67.30	19.89	-9.54	50.05	73.98	-23.93
	28725.00	Peak	Н		-	-52.21	4.66	-9.54	49.91	68.20	-18.29

Table 7-97. Radiated Measurements SISO ANT2 (26 Tones)

FCC ID: A3LSMG986U	PCTEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 24.4 of 265
1M1910220166-09.A3L	10/11/19 - 01/15/20	Portable Handset	Page 214 of 265



Worst Case Transfer Rate: MCS0

RU Index: 54

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	Н	-	-	-84.77	21.58	0.00	43.81	53.98	-10.17
*	11570.00	Peak	Н	-	•	-73.30	21.58	0.00	55.28	73.98	-18.70
	17355.00	Peak	Н	-	ı	-74.89	29.28	0.00	61.39	68.20	-6.81
	23140.00	Peak	Н	-	ı	-67.11	19.59	-9.54	49.94	68.20	-18.26
	28925.00	Peak	Н	-	-	-53.20	4.43	-9.54	48.69	68.20	-19.51

Table 7-98. Radiated Measurements SISO ANT2 (26 Tones)

Worst Case Mode: 802.11ax (20MHz BW)

Worst Case Transfer Rate: MCS0

RU Index: 54

Distance of Measurements: 1 & 3 Meters

Operating Frequency:

5825MHz

Channel:

165

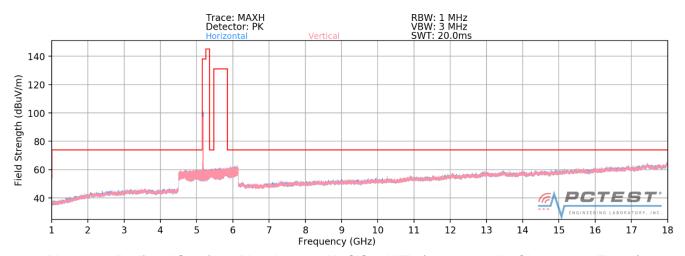
	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
*	11650.00	Average	Н	-	-	-84.67	21.22	0.00	43.55	53.98	-10.43
*	11650.00	Peak	Н	-	-	-73.69	21.22	0.00	54.53	73.98	-19.45
	17475.00	Peak	Н	-	-	-75.43	30.91	0.00	62.48	68.20	-5.72
	23300.00	Peak	Н	-	-	-66.60	18.93	-9.54	49.79	68.20	-18.41
	29125.00	Peak	Н	-	-	-51.50	3.48	-9.54	49.44	68.20	-18.76

Table 7-99. Radiated Measurements SISO ANT2 (26 Tones)

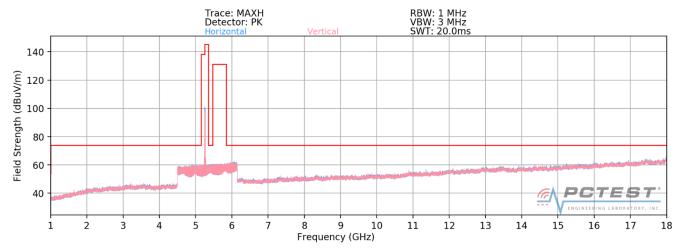
FCC ID: A3LSMG986U	PETEST (HIGHELINE LABORATORS, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogg 245 of 265
1M1910220166-09.A3L	10/11/19 - 01/15/20	Portable Handset	Page 215 of 265



242 Tones



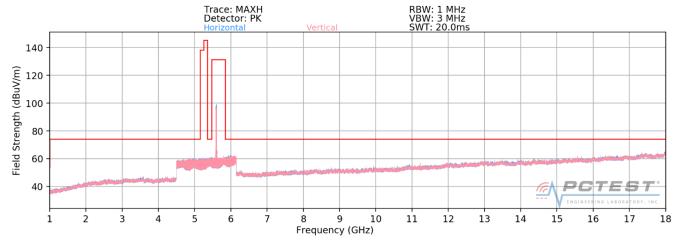
Plot 7-289. Radiated Spurious Plot above 1GHz SISO ANT2 (802.11ax - U1 Ch. 40 - 242 Tones)



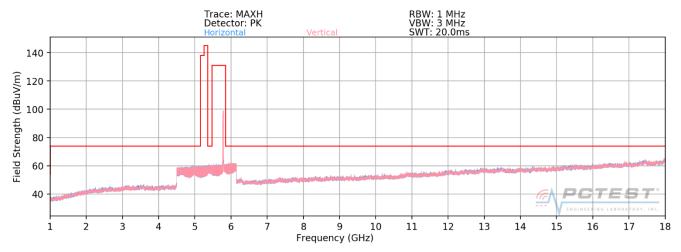
Plot 7-290. Radiated Spurious Plot above 1GHz SISO ANT2 (802.11ax – U2A Ch. 56 – 242 Tones)

FCC ID: A3LSMG986U	PETEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 246 of 265
1M1910220166-09.A3L	10/11/19 - 01/15/20	Portable Handset	Page 216 of 265





Plot 7-291. Radiated Spurious Plot above 1GHz SISO ANT2 (802.11ax – U2C Ch. 120 – 242 Tones)



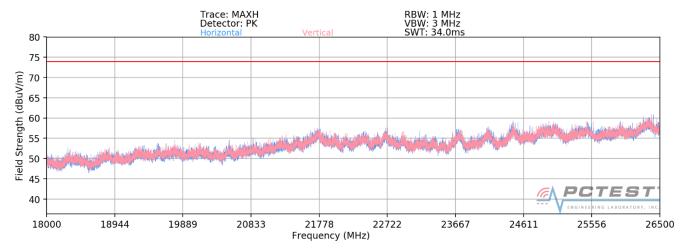
Plot 7-292. Radiated Spurious Plot above 1GHz SISO ANT2 (802.11ax – U3 Ch. 157 – 242 Tones)

FCC ID: A3LSMG986U	PETEST (HIGHELINE LABORATORS, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 217 of 265
1M1910220166-09.A3L	10/11/19 - 01/15/20	Portable Handset	Page 217 of 265

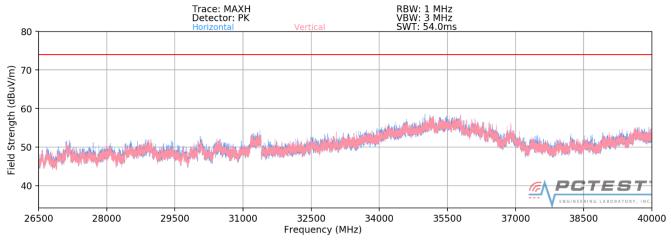
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SISO Antenna-2 Radiated Spurious Emissions Measurements (Above 18GHz)



Plot 7-293. Radiated Spurious Plot 18GHz - 26.5GHz SISO ANT2 (802.11ax - 242 Tones)



Plot 7-294. Radiated Spurious Plot 26.5GHz - 40GHz SISO ANT2 (802.11ax - 242 Tones)

FCC ID: A3LSMG986U	PETEST (HIGHELINE LABORATORS, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dags 240 of 265
1M1910220166-09.A3L	10/11/19 - 01/15/20	Portable Handset	Page 218 of 265



SISO Antenna-2 Radiated Spurious Emission Measurements

§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]
ĺ	10360.00	Peak	Н	-	-	-73.62	18.27	0.00	51.65	68.20	-16.55
*	15540.00	Average	Н	-	-	-85.76	28.22	0.00	49.46	53.98	-4.52
*	15540.00	Peak	Н	-	-	-75.85	28.22	0.00	59.37	73.98	-14.61
*	20720.00	Average	Н	-	-	-77.99	17.51	-9.54	36.98	53.98	-17.00
*	20720.00	Peak	Н	-	-	-67.77	17.51	-9.54	47.20	73.98	-26.78
	25900.00	Peak	Н	-	-	-66.36	19.88	-9.54	50.98	68.20	-17.22

Table 7-100. Radiated Measurements SISO ANT2 (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

,	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	Н	-	-	-72.81	18.76	0.00	52.95	68.20	-15.25
*	15600.00	Average	Н	-	-	-86.05	27.97	0.00	48.92	53.98	-5.06
*	15600.00	Peak	Н	-	-	-74.31	27.97	0.00	60.66	73.98	-13.32
*	20800.00	Average	Н	-	-	-77.94	17.87	-9.54	37.39	53.98	-16.59
*	20800.00	Peak	Н	-	-	-66.59	17.87	-9.54	48.74	73.98	-25.24
	26000.00	Peak	Н	-	-	-66.43	20.15	-9.54	51.18	68.20	-17.02

Table 7-101. Radiated Measurements SISO ANT2 (242 Tones)

FCC ID: A3LSMG986U	PETEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dags 240 of 265
1M1910220166-09.A3L	10/11/19 - 01/15/20	Portable Handset	Page 219 of 265



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	Н	-		-73.92	19.02	0.00	52.10	68.20	-16.10
*	15720.00	Average	Н	-	-	-86.23	27.74	0.00	48.51	53.98	-5.47
*	15720.00	Peak	Н	-	-	-74.98	27.74	0.00	59.76	73.98	-14.22
*	20960.00	Average	Н	-	-	-77.99	18.06	-9.54	37.53	53.98	-16.45
*	20960.00	Peak	Н	-	-	-67.70	18.06	-9.54	47.82	73.98	-26.16
	26200.00	Peak	Н	-	-	-66.49	20.23	-9.54	51.20	68.20	-17.00

Table 7-102. Radiated Measurements SISO ANT2 (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

	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	Н	-	-	-73.75	18.89	0.00	52.14	68.20	-16.06
*	15780.00	Average	Н	-	-	-86.08	27.43	0.00	48.35	53.98	-5.63
*	15780.00	Peak	Н	-	-	-74.85	27.43	0.00	59.58	73.98	-14.40
*	21040.00	Average	Н	-	-	-77.84	18.36	-9.54	37.98	53.98	-16.00
*	21040.00	Peak	Н	-	-	-67.91	18.36	-9.54	47.91	73.98	-26.07
	26300.00	Peak	Н	-	-	-64.99	20.96	-9.54	53.43	68.20	-14.77

Table 7-103. Radiated Measurements SISO ANT2 (242 Tones)

FCC ID: A3LSMG986U	PETEST (HIGHELINE LABORATORS, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogg 220 of 265
1M1910220166-09.A3L	10/11/19 - 01/15/20	Portable Handset	Page 220 of 265



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	Н		-	-73.62	18.87	0.00	52.25	68.20	-15.95
*	15840.00	Average	Н	-	-	-86.23	28.80	0.00	49.57	53.98	-4.41
*	15840.00	Peak	Н	-	-	-74.63	28.80	0.00	61.17	73.98	-12.81
*	21120.00	Average	Н	-	-	-77.44	18.17	-9.54	38.19	53.98	-15.79
*	21120.00	Peak	Н	-	-	-66.83	18.17	-9.54	48.80	73.98	-25.18
	26400.00	Peak	Н	-	-	-65.21	20.65	-9.54	52.90	68.20	-15.30

Table 7-104. Radiated Measurements SISO ANT2 (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

	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	Н	-		-84.83	19.05	0.00	41.22	53.98	-12.76
*	10640.00	Peak	Н	-	-	-73.04	19.05	0.00	53.01	73.98	-20.97
*	15960.00	Average	Н	-	-	-86.77	27.12	0.00	47.35	53.98	-6.63
*	15960.00	Peak	Н	-	-	-74.73	27.12	0.00	59.39	73.98	-14.59
*	21280.00	Average	Н	-	-	-77.23	18.57	-9.54	38.80	53.98	-15.18
*	21280.00	Peak	Н	-	-	-66.68	18.57	-9.54	49.35	73.98	-24.63
	26600.00	Peak	Н	-	-	-53.32	5.16	-9.54	49.30	68.20	-18.90

Table 7-105. Radiated Measurements SISO ANT2 (242 Tones)

FCC ID: A3LSMG986U	PETEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dags 224 of 265
1M1910220166-09.A3L	10/11/19 - 01/15/20	Portable Handset	Page 221 of 265



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	Н	-	i	-85.13	19.60	0.00	41.47	53.98	-12.51
*	11000.00	Peak	Н	-	·	-73.56	19.60	0.00	53.04	73.98	-20.94
	16500.00	Peak	Н	-	ı	-73.88	28.33	0.00	61.45	68.20	-6.75
	22000.00	Peak	Н	-	i	-66.91	19.12	-9.54	49.67	68.20	-18.53
	27500.00	Peak	Н	-	ı	-51.66	3.98	-9.54	49.78	68.20	-18.42

Table 7-106. Radiated Measurements SISO ANT2 (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

	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	Н	-	-	-85.07	19.94	0.00	41.87	53.98	-12.11
*	11200.00	Peak	Н	-	-	-73.58	19.94	0.00	53.36	73.98	-20.62
	16800.00	Peak	Н	-	-	-74.71	30.43	0.00	62.72	68.20	-5.48
*	22400.00	Average	Н	-	-	-77.84	20.03	-9.54	39.65	53.98	-14.33
*	22400.00	Peak	Н	-	-	-67.34	20.03	-9.54	50.15	73.98	-23.83
	28000.00	Peak	Н	-	-	-52.34	4.70	-9.54	49.82	68.20	-18.38

Table 7-107. Radiated Measurements SISO ANT2 (242 Tones)

FCC ID: A3LSMG986U	PETEST (HIGHELINE LABORATORS, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogg 222 of 265
1M1910220166-09.A3L	10/11/19 - 01/15/20	Portable Handset	Page 222 of 265



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	Н	-	-	-84.61	19.66	0.00	42.05	53.98	-11.93
*	11440.00	Peak	Н	-	-	-73.67	19.66	0.00	52.99	73.98	-20.99
ĺ	17160.00	Peak	Н	-	-	-74.94	30.32	0.00	62.38	68.20	-5.82
*	22880.00	Average	Н	-	-	-78.18	19.50	-9.54	38.78	53.98	-15.20
*	22880.00	Peak	Н	-	=	-67.61	19.50	-9.54	49.35	73.98	-24.63
Ī	28600.00	Peak	Н	-	-	-52.15	5.14	-9.54	50.45	68.20	-17.75

Table 7-108. Radiated Measurements SISO ANT2 (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

	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	Н	-	-	-84.66	20.22	0.00	42.56	53.98	-11.42
*	11490.00	Peak	Н	-	-	-73.56	20.22	0.00	53.66	73.98	-20.32
	17235.00	Peak	Н	-	-	-74.46	29.88	0.00	62.42	68.20	-5.78
*	22980.00	Average	Н	-	-	-78.14	19.89	-9.54	39.21	53.98	-14.77
*	22980.00	Peak	Н	-	-	-67.88	19.89	-9.54	49.47	73.98	-24.51
	28725.00	Peak	Н	-	-	-52.21	4.66	-9.54	49.91	68.20	-18.29

Table 7-109. Radiated Measurements SISO ANT2 (242 Tones)

FCC ID: A3LSMG986U	PCTEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Daga 222 of 265
1M1910220166-09.A3L	10/11/19 - 01/15/20	Portable Handset	Page 223 of 265



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	Н	-	-	-84.96	21.58	0.00	43.62	53.98	-10.36
*	11570.00	Peak	Н	-	-	-73.90	21.58	0.00	54.68	73.98	-19.30
	17355.00	Peak	Н	-	-	-74.63	29.28	0.00	61.65	68.20	-6.55
	23140.00	Peak	Н	-	-	-67.61	19.59	-9.54	49.44	68.20	-18.76
	28925.00	Peak	Н	-	-	-52.21	4.43	-9.54	49.68	68.20	-18.52

Table 7-110. Radiated Measurements SISO ANT2 (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	Н	-		-85.05	21.22	0.00	43.17	53.98	-10.81
*	11650.00	Peak	н	1	ı	-74.24	21.22	0.00	53.98	73.98	-20.00
	17475.00	Peak	H	-	1	-75.57	30.91	0.00	62.34	68.20	-5.86
	23300.00	Peak	н	1	ı	-66.54	18.93	-9.54	49.85	68.20	-18.35
	29125.00	Peak	Н			-51.49	3.48	-9.54	49.45	68.20	-18.75

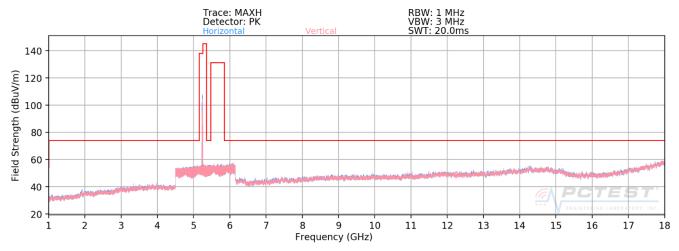
Table 7-111. Radiated Measurements SISO ANT2 (242 Tones)

FCC ID: A3LSMG986U	PETEST (HIGHELINE LABORATORS, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dags 224 of 265
1M1910220166-09.A3L	10/11/19 - 01/15/20	Portable Handset	Page 224 of 265

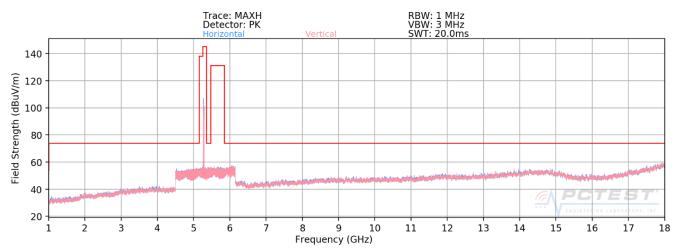


7.6.3 MIMO Radiated Spurious Emission Measurements

26 Tones



Plot 7-295. Radiated Spurious Plot above 1GHz MIMO (802.11ax - U1 Ch. 40 - 26 Tones)

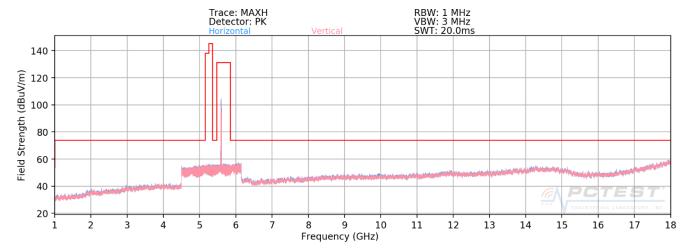


Plot 7-296. Radiated Spurious Plot above 1GHz MIMO (802.11ax – U2A Ch. 56 – 26 Tones)

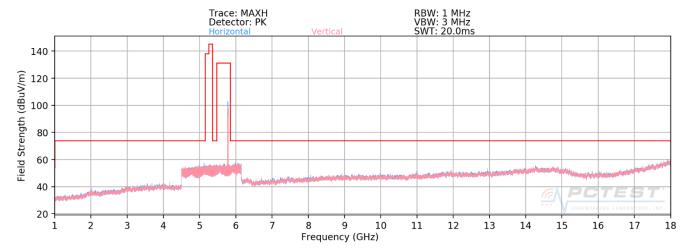
FCC ID: A3LSMG986U	PETEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogg 225 of 265
1M1910220166-09.A3L	10/11/19 - 01/15/20	Portable Handset	Page 225 of 265

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Plot 7-297. Radiated Spurious Plot above 1GHz MIMO (802.11ax – U2C Ch. 120 – 26 Tones)

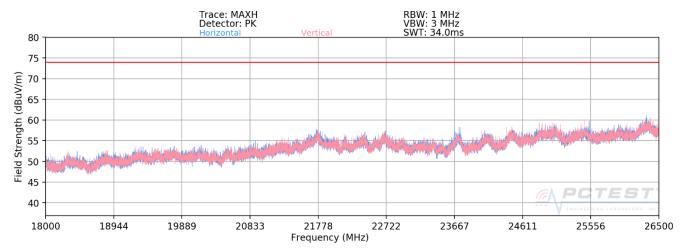


Plot 7-298. Radiated Spurious Plot above 1GHz MIMO (802.11ax – U3 Ch. 157 – 26 Tones)

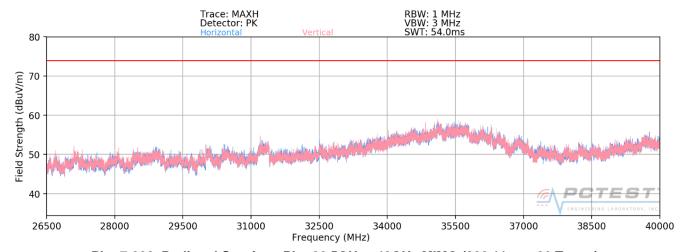
FCC ID: A3LSMG986U	PETEST (HIGHELINE LABORATORS, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 226 of 265
1M1910220166-09.A3L	10/11/19 - 01/15/20	Portable Handset	Page 226 of 265



MIMO Radiated Spurious Emissions Measurements (Above 18GHz)



Plot 7-299. Radiated Spurious Plot 18GHz - 26.5GHz MIMO (802.11ax - 26 Tones)



Plot 7-300. Radiated Spurious Plot 26.5GHz - 40GHz MIMO (802.11ax - 26 Tones)

FCC ID: A3LSMG986U	PETEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 227 of 265
1M1910220166-09.A3L	10/11/19 - 01/15/20	Portable Handset	Fage 227 01 205



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: 54

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	-	-	-69.38	15.23	0.00	52.85	68.20	-15.35
*	15540.00	Average	V	-	-	-83.03	22.71	0.00	46.68	53.98	-7.30
*	15540.00	Peak	V	-	-	-70.30	22.71	0.00	59.41	73.98	-14.57
*	20720.00	Average	V	-	-	-79.60	17.51	-9.54	35.37	53.98	-18.61
*	20720.00	Peak	V	-	-	-67.67	17.51	-9.54	47.30	73.98	-26.68
	25900.00	Peak	V	=	-	-66.19	19.88	-9.54	51.15	68.20	-17.05

Table 7-112. Radiated Measurements MIMO (26 Tones)

Worst Case Mode: 802.11ax (20MHz BW)

Worst Case Transfer Rate: MCS0

RU Index: 54

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5200MHz

	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	-	-	-70.20	15.67	0.00	52.47	68.20	-15.73
*	15600.00	Average	V	-	-	-82.69	22.46	0.00	46.77	53.98	-7.21
*	15600.00	Peak	V	-	-	-69.72	22.46	0.00	59.74	73.98	-14.24
*	20800.00	Average	V	-	-	-79.06	17.87	-9.54	36.27	53.98	-17.71
*	20800.00	Peak	V	-	-	-66.31	17.87	-9.54	49.02	73.98	-24.96
	26000.00	Peak	V	-	-	-66.04	20.15	-9.54	51.57	68.20	-16.63

Table 7-113. Radiated Measurements MIMO (26 Tones)

FCC ID: A3LSMG986U	PCTEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dags 220 of 265
1M1910220166-09.A3L	10/11/19 - 01/15/20	Portable Handset	Page 228 of 265



Worst Case Transfer Rate: MCS0

RU Index: 54

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	-	-	-69.88	15.49	0.00	52.61	68.20	-15.59
*	15720.00	Average	V	-	-	-82.93	22.45	0.00	46.52	53.98	-7.46
*	15720.00	Peak	V	-	-	-70.47	22.45	0.00	58.98	73.98	-15.00
*	20960.00	Average	V	-	-	-78.30	18.06	-9.54	37.22	53.98	-16.76
*	20960.00	Peak	V	-	-	-67.23	18.06	-9.54	48.29	73.98	-25.69
	26200.00	Peak	V	-	=	-66.28	20.23	-9.54	51.41	68.20	-16.79

Table 7-114. Radiated Measurements MIMO (26 Tones)

Worst Case Mode: 802.11ax (20MHz BW)

Worst Case Transfer Rate: MCS0

RU Index: 54

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5260MHz

	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			-69.93	15.86	0.00	52.93	68.20	-15.27
*	15780.00	Average	V	-	-	-83.21	22.77	0.00	46.56	53.98	-7.42
*	15780.00	Peak	V	-	-	-70.26	22.77	0.00	59.51	73.98	-14.47
*	21040.00	Average	V	-	-	-77.81	18.36	-9.54	38.01	53.98	-15.97
*	21040.00	Peak	V	-	-	-66.04	18.36	-9.54	49.78	73.98	-24.20
ĺ	26300.00	Peak	V	-	-	-65.95	20.96	-9.54	52.47	68.20	-15.73

Table 7-115. Radiated Measurements MIMO (26 Tones)

FCC ID: A3LSMG986U	PETEST (HIGHELINE LABORATORS, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Daga 220 of 265
1M1910220166-09.A3L	10/11/19 - 01/15/20	Portable Handset	Page 229 of 265



Worst Case Transfer Rate: MCS0

RU Index: 54

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]
ĺ	10560.00	Peak	V	-	-	-69.73	15.70	0.00	52.97	68.20	-15.23
*	15840.00	Average	V	-	-	-83.08	22.66	0.00	46.58	53.98	-7.40
*	15840.00	Peak	V	-	-	-70.16	22.66	0.00	59.50	73.98	-14.48
*	21120.00	Average	V	-	-	-77.66	18.17	-9.54	37.97	53.98	-16.01
*	21120.00	Peak	V	-	-	-66.06	18.17	-9.54	49.57	73.98	-24.41
	26400.00	Peak	V	-	-	-66.35	20.65	-9.54	51.76	68.20	-16.44

Table 7-116. Radiated Measurements MIMO (26 Tones)

Worst Case Mode: 802.11ax (20MHz BW)

Worst Case Transfer Rate: MCS0

RU Index: 54

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5320MHz

	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	-	-	-82.56	16.03	0.00	40.47	53.98	-13.51
*	10640.00	Peak	V	-	-	-69.93	16.03	0.00	53.10	73.98	-20.88
*	15960.00	Average	V	-	-	-83.49	23.09	0.00	46.60	53.98	-7.38
*	15960.00	Peak	V	-	-	-70.19	23.09	0.00	59.90	73.98	-14.08
*	21280.00	Average	V	-	-	-77.60	18.57	-9.54	38.43	53.98	-15.55
*	21280.00	Peak	V	-	=	-66.57	18.57	-9.54	49.46	73.98	-24.52
	26600.00	Peak	V	-	-	-50.86	5.16	-9.54	51.76	68.20	-16.44

Table 7-117. Radiated Measurements MIMO (26 Tones)

FCC ID: A3LSMG986U	PETEST (HIGHELINE LABORATORS, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dags 220 of 265
1M1910220166-09.A3L	10/11/19 - 01/15/20	Portable Handset	Page 230 of 265



Worst Case Transfer Rate: MCS0

RU Index: 54

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	-	-	-81.59	16.51	0.00	41.92	53.98	-12.06
*	11000.00	Peak	V	-	-	-69.91	16.51	0.00	53.60	73.98	-20.38
	16500.00	Peak	V	-	1	-70.56	24.17	0.00	60.61	68.20	-7.59
	22000.00	Peak	٧	-	ı	-66.07	19.12	-9.54	50.51	68.20	-17.69
	27500.00	Peak	V	-	-	-49.71	3.98	-9.54	51.73	68.20	-16.47

Table 7-118. Radiated Measurements MIMO (26 Tones)

Worst Case Mode: 802.11ax (20MHz BW)

Worst Case Transfer Rate: MCS0

RU Index: 54

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5580MHz

	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		-	-81.68	16.73	0.00	42.05	53.98	-11.93
*	11200.00	Peak	V	-	-	-69.65	16.73	0.00	54.08	73.98	-19.90
	16800.00	Peak	V	-	-	-70.15	24.00	0.00	60.85	68.20	-7.35
*	22400.00	Average	V	-	-	-78.35	20.03	-9.54	39.14	53.98	-14.84
*	22400.00	Peak	V	-	-	-67.32	20.03	-9.54	50.17	73.98	-23.81
ĺ	28000.00	Peak	V	-	-	-50.35	4.70	-9.54	51.81	68.20	-16.39

Table 7-119. Radiated Measurements MIMO (26 Tones)

FCC ID: A3LSMG986U	PCTEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dags 224 of 265
1M1910220166-09.A3L	10/11/19 - 01/15/20	Portable Handset	Page 231 of 265



Worst Case Transfer Rate: MCS0

RU Index: 54

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5700MHz

Channel: 140

	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	199	316	-80.63	17.29	0.00	43.66	53.98	-10.32
*	11440.00	Peak	V	199	316	-65.98	17.29	0.00	58.31	73.98	-15.67
	17160.00	Peak	V	-	-	-70.19	24.37	0.00	61.18	68.20	-7.02
*	22880.00	Average	V	-	-	-78.59	19.50	-9.54	38.37	53.98	-15.61
*	22880.00	Peak	V	-	-	-67.12	19.50	-9.54	49.84	73.98	-24.14
	28600.00	Peak	V	-	-	-50.68	5.14	-9.54	51.92	68.20	-16.28

Table 7-120. Radiated Measurements MIMO (26 Tones)

Worst Case Mode: 802.11ax (20MHz BW)

Worst Case Transfer Rate: MCS0

RU Index: 54

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5745MHz

	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	115	339	-81.09	17.63	0.00	43.54	53.98	-10.43
*	11490.00	Peak	V	115	339	-67.79	17.63	0.00	56.84	73.98	-17.13
ĺ	17235.00	Peak	V	-	-	-70.53	25.01	0.00	61.48	68.20	-6.72
*	22980.00	Average	V	-	-	-78.34	19.89	-9.54	39.01	53.98	-14.97
*	22980.00	Peak	V	-	-	-66.28	19.89	-9.54	51.07	73.98	-22.91
Ī	28725.00	Peak	V	-	-	-51.06	4.66	-9.54	51.06	68.20	-17.14

Table 7-121. Radiated Measurements MIMO (26 Tones)

FCC ID: A3LSMG986U	PCTEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dags 222 of 265
1M1910220166-09.A3L	10/11/19 - 01/15/20	Portable Handset	Page 232 of 265



Worst Case Transfer Rate: MCS0

RU Index: 54

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	252	323	-80.14	17.35	0.00	44.21	53.98	-9.77
*	11570.00	Peak	V	252	323	-66.71	17.35	0.00	57.64	73.98	-16.34
	17355.00	Peak	V	-	•	-71.04	26.08	0.00	62.04	68.20	-6.16
	23140.00	Peak	٧	-	ı	-66.83	19.59	-9.54	50.22	68.20	-17.98
	28925.00	Peak	V	-	-	-49.95	4.43	-9.54	51.94	68.20	-16.26

Table 7-122. Radiated Measurements MIMO (26 Tones)

Worst Case Mode: 802.11ax (20MHz BW)

Worst Case Transfer Rate: MCS0

RU Index: 54

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5825MHz

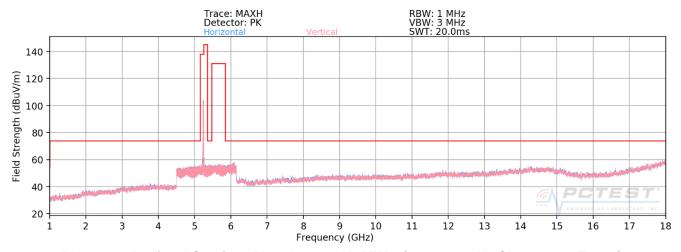
	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
*	11650.00	Average	V	262	328	-80.56	17.57	0.00	44.01	53.98	-9.96
*	11650.00	Peak	V	262	328	-67.76	17.57	0.00	56.81	73.98	-17.16
	17475.00	Peak	V	-	-	-70.24	26.23	0.00	62.99	68.20	-5.21
	23300.00	Peak	V	-	•	-65.80	18.93	-9.54	50.59	68.20	-17.61
	29125.00	Peak	٧	-	ı	-50.89	3.48	-9.54	50.05	68.20	-18.15

Table 7-123. Radiated Measurements MIMO (26 Tones)

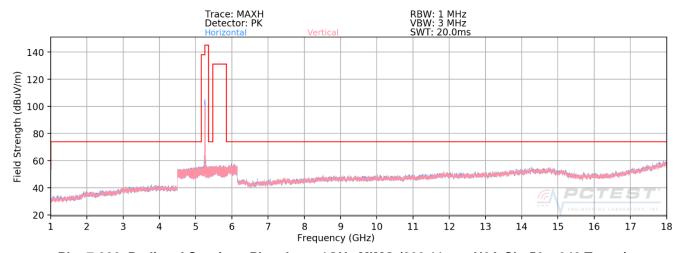
FCC ID: A3LSMG986U	PETEST (HIGHELINE LABORATORS, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogg 222 of 265
1M1910220166-09.A3L	10/11/19 - 01/15/20	Portable Handset	Page 233 of 265



242 Tones



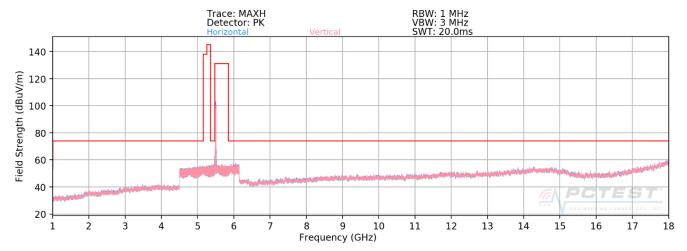
Plot 7-301. Radiated Spurious Plot above 1GHz MIMO (802.11ax – U1 Ch. 40 – 242 Tones)



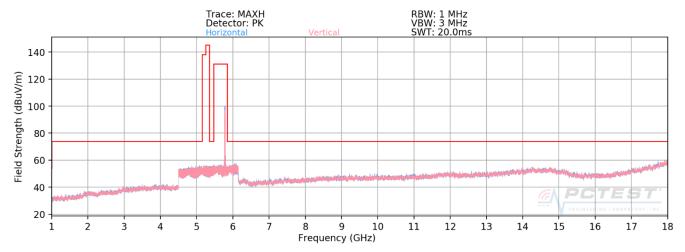
Plot 7-302. Radiated Spurious Plot above 1GHz MIMO (802.11ax – U2A Ch. 56 – 242 Tones)

FCC ID: A3LSMG986U	PETEST (HIGHELINE LABORATORS, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dags 224 of 265
1M1910220166-09.A3L	10/11/19 - 01/15/20	Portable Handset	Page 234 of 265





Plot 7-303. Radiated Spurious Plot above 1GHz MIMO (802.11ax – U2C Ch. 120 – 242 Tones)



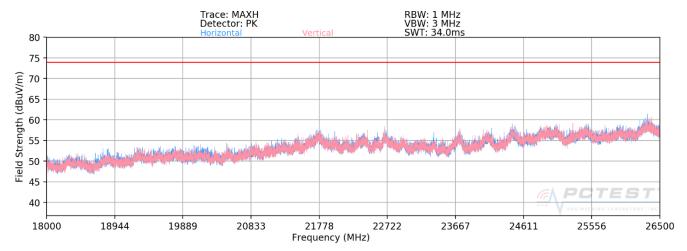
Plot 7-304. Radiated Spurious Plot above 1GHz MIMO (802.11ax – U3 Ch. 157 – 242 Tones)

FCC ID: A3LSMG986U	PETEST (HIGHELINE LABORATORS, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 225 of 265
1M1910220166-09.A3L	10/11/19 - 01/15/20	Portable Handset	Page 235 of 265

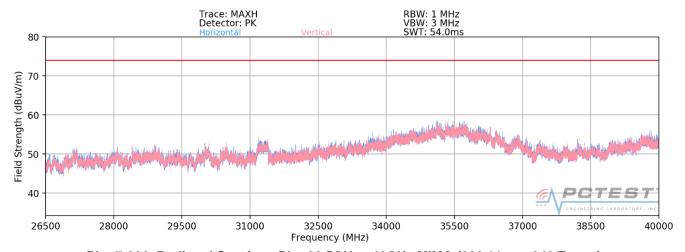
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MIMO Radiated Spurious Emissions Measurements (Above 18GHz)



Plot 7-305. Radiated Spurious Plot 18GHz - 26.5GHz MIMO (802.11ax - 242 Tones)



Plot 7-306. Radiated Spurious Plot 26.5GHz - 40GHz MIMO (802.11ax - 242 Tones)

FCC ID: A3LSMG986U	PETEST (HIGHELINE LABORATORS, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 226 of 265
1M1910220166-09.A3L	10/11/19 - 01/15/20	Portable Handset	Page 236 of 265



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	-	-	-70.44	15.23	0.00	51.79	68.20	-16.41
*	15540.00	Average	V	-	-	-83.10	22.71	0.00	46.61	53.98	-7.37
*	15540.00	Peak	V	-	-	-70.40	22.71	0.00	59.31	73.98	-14.67
*	20720.00	Average	V	-	-	-77.87	17.51	-9.54	37.10	53.98	-16.88
*	20720.00	Peak	V	-	-	-67.61	17.51	-9.54	47.36	73.98	-26.62
	25900.00	Peak	V	-	=	-66.19	19.88	-9.54	51.15	68.20	-17.05

Table 7-124. Radiated Measurements MIMO (242 Tones)

802.11ax (20MHz BW) Worst Case Mode:

Worst Case Transfer Rate: MCS0

RU Index: 61

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5200MHz

	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	-	-	-69.98	15.67	0.00	52.69	68.20	-15.51
*	15600.00	Average	V	-	-	-82.85	22.46	0.00	46.61	53.98	-7.37
*	15600.00	Peak	V	-	-	-69.61	22.46	0.00	59.85	73.98	-14.13
*	20800.00	Average	V	-	-	-77.99	17.87	-9.54	37.34	53.98	-16.64
*	20800.00	Peak	V	-	-	-67.02	17.87	-9.54	48.31	73.98	-25.67
	26000.00	Peak	V	-	-	-65.81	20.15	-9.54	51.80	68.20	-16.40

Table 7-125. Radiated Measurements MIMO (242 Tones)

FCC ID: A3LSMG986U	PETEST (HIGHELINE LABORATORS, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Daga 227 of 265
1M1910220166-09.A3L	10/11/19 - 01/15/20	Portable Handset	Page 237 of 265



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	-	-	-70.03	15.49	0.00	52.46	68.20	-15.74
*	15720.00	Average	V	-	-	-82.88	22.45	0.00	46.57	53.98	-7.41
*	15720.00	Peak	V	-	-	-70.10	22.45	0.00	59.35	73.98	-14.63
*	20960.00	Average	V	-	-	-78.07	18.06	-9.54	37.45	53.98	-16.53
*	20960.00	Peak	V	-	-	-67.88	18.06	-9.54	47.64	73.98	-26.34
	26200.00	Peak	V	-	-	-66.34	20.23	-9.54	51.35	68.20	-16.85

Table 7-126. 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

	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		-	-70.22	15.86	0.00	52.64	68.20	-15.56
*	15780.00	Average	V	-	-	-83.04	22.77	0.00	46.73	53.98	-7.25
*	15780.00	Peak	V	-	-	-70.18	22.77	0.00	59.59	73.98	-14.39
*	21040.00	Average	V	-	-	-77.58	18.36	-9.54	38.24	53.98	-15.74
*	21040.00	Peak	V	-	-	-67.49	18.36	-9.54	48.33	73.98	-25.65
Ī	26300.00	Peak	V	-	-	-65.19	20.96	-9.54	53.23	68.20	-14.97

Table 7-127. Radiated Measurements MIMO (242 Tones)

FCC ID: A3LSMG986U	PETEST (HIGHELINE LABORATORS, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogg 220 of 265
1M1910220166-09.A3L	10/11/19 - 01/15/20	Portable Handset	Page 238 of 265



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	-	-	-69.73	15.70	0.00	52.97	68.20	-15.23
*	15840.00	Average	V	-	-	-83.17	22.66	0.00	46.49	53.98	-7.49
*	15840.00	Peak	V	-	-	-70.75	22.66	0.00	58.91	73.98	-15.07
*	21120.00	Average	V	-	-	-77.64	18.17	-9.54	37.99	53.98	-15.99
*	21120.00	Peak	V	-	-	-67.27	18.17	-9.54	48.36	73.98	-25.62
	26400.00	Peak	V	-	-	-66.71	20.65	-9.54	51.40	68.20	-16.80

Table 7-128. 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

	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	-	-	-82.54	16.03	0.00	40.49	53.98	-13.49
*	10640.00	Peak	V	-	-	-70.01	16.03	0.00	53.02	73.98	-20.96
*	15960.00	Average	V	-	-	-83.53	23.09	0.00	46.56	53.98	-7.42
*	15960.00	Peak	V	-	-	-70.82	23.09	0.00	59.27	73.98	-14.71
*	21280.00	Average	V	-	-	-77.28	18.57	-9.54	38.75	53.98	-15.23
*	21280.00	Peak	V	-	=	-66.78	18.57	-9.54	49.25	73.98	-24.73
	26600.00	Peak	V	-	-	-53.17	5.16	-9.54	49.45	68.20	-18.75

Table 7-129. Radiated Measurements MIMO (242 Tones)

FCC ID: A3LSMG986U	PETEST (HIGHELINE LABORATORS, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogg 220 of 265
1M1910220166-09.A3L	10/11/19 - 01/15/20	Portable Handset	Page 239 of 265



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	-	-	-81.71	16.51	0.00	41.80	53.98	-12.18
*	11000.00	Peak	V	-	-	-69.89	16.51	0.00	53.62	73.98	-20.36
	16500.00	Peak	V	-	•	-70.54	24.17	0.00	60.63	68.20	-7.57
	22000.00	Peak	٧	-	ı	-67.25	19.12	-9.54	49.33	68.20	-18.87
	27500.00	Peak	V	-	•	-51.58	3.98	-9.54	49.86	68.20	-18.34

Table 7-130. 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: 5580MHz

	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	-	-	-81.77	16.73	0.00	41.96	53.98	-12.02
*	11200.00	Peak	V	-	-	-69.87	16.73	0.00	53.86	73.98	-20.12
	16800.00	Peak	V	-	-	-71.34	24.00	0.00	59.66	68.20	-8.54
*	22400.00	Average	V	-	-	-77.95	20.03	-9.54	39.54	53.98	-14.44
*	22400.00	Peak	V	-	-	-67.10	20.03	-9.54	50.39	73.98	-23.59
	28000.00	Peak	V	-		-52.68	4.70	-9.54	49.48	68.20	-18.72

Table 7-131. Radiated Measurements MIMO (242 Tones)

FCC ID: A3LSMG986U	PCTEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dags 240 of 265
1M1910220166-09.A3L	10/11/19 - 01/15/20	Portable Handset	Page 240 of 265



Worst Case Transfer Rate: MCS0

RU Index: 61

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5700MHz

Channel: 140

	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	-		-82.76	17.29	0.00	41.53	53.98	-12.45
*	11440.00	Peak	V	-	-	-69.44	17.29	0.00	54.85	73.98	-19.13
	17160.00	Peak	V	-	-	-70.21	24.37	0.00	61.16	68.20	-7.04
*	22880.00	Average	V	-	-	-78.25	19.50	-9.54	38.71	53.98	-15.27
*	22880.00	Peak	V	-	-	-67.81	19.50	-9.54	49.15	73.98	-24.83
	28600.00	Peak	V	-	-	-51.29	5.14	-9.54	51.31	68.20	-16.89

Table 7-132. Radiated Measurements MIMO (242 Tones)

Worst Case Mode: 802.11ax (20MHz BW)

Worst Case Transfer Rate: MCS0

RU Index:

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5745MHz

	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	-		-82.98	17.63	0.00	41.65	53.98	-12.32
*	11490.00	Peak	V	-	-	-71.26	17.63	0.00	53.37	73.98	-20.60
	17235.00	Peak	V	-	-	-70.79	25.01	0.00	61.22	68.20	-6.98
*	22980.00	Average	V	-	-	-78.04	19.89	-9.54	39.31	53.98	-14.67
*	22980.00	Peak	V	-	-	-67.02	19.89	-9.54	50.33	73.98	-23.65
	28725.00	Peak	V	-	-	-51.32	4.66	-9.54	50.80	68.20	-17.40

Table 7-133. Radiated Measurements MIMO (242 Tones)

FCC ID: A3LSMG986U	PETEST (HIGHELINE LABORATORS, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogg 244 of 265
1M1910220166-09.A3L	10/11/19 - 01/15/20	Portable Handset	Page 241 of 265



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	226	338	-81.48	17.35	0.00	42.87	53.98	-11.11
*	11570.00	Peak	V	226	338	-68.26	17.35	0.00	56.09	73.98	-17.89
	17355.00	Peak	V	-	-	-71.47	26.08	0.00	61.61	68.20	-6.59
	23140.00	Peak	٧	-	-	-68.16	19.59	-9.54	48.89	68.20	-19.31
ĺ	28925.00	Peak	V	-	-	-51.35	4.43	-9.54	50.54	68.20	-17.66

Table 7-134. 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

	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	107	318	-81.35	17.57	0.00	43.22	53.98	-10.75
*	11650.00	Peak	V	107	318	-68.43	17.57	0.00	56.14	73.98	-17.83
	17475.00	Peak	V	-	-	-70.84	26.23	0.00	62.39	68.20	-5.81
	23300.00	Peak	V	-	ı	-66.61	18.93	-9.54	49.78	68.20	-18.42
	29125.00	Peak	V	-	-	-50.26	3.48	-9.54	50.68	68.20	-17.52

Table 7-135. Radiated Measurements MIMO (242 Tones)

FCC ID: A3LSMG986U	PCTEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dags 242 of 265
1M1910220166-09.A3L	10/11/19 – 01/15/20	Portable Handset	Page 242 of 265



7.6.4 SISO Antenna-1 Radiated Band Edge Measurements (20MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]; RSS-Gen [8.9]

242 Tones

Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11ax

MCS0

61

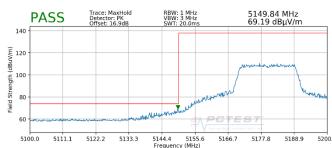
3 Meters

5180MHz

36



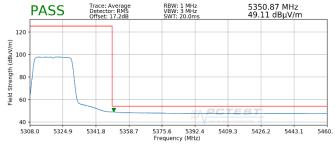
Plot 7-307. Radiated Lower Band Edge Plot SISO ANT1 (Average – UNII Band 1 – 242 Tones)



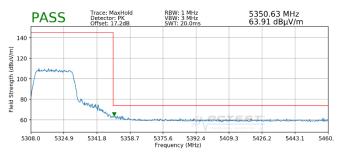
Plot 7-308. Radiated Lower Band Edge Plot SISO ANT1 (Peak – UNII Band 1 – 242 Tones)

Worst Case Mode:
Worst Case Transfer Rate:
RU Index:
Distance of Measurements:
Operating Frequency:
Channel:

802.11ax
MCS0
61
3 Meters
5320MHz
64



Plot 7-309. Radiated Upper Band Edge Plot SISO ANT1 (Average – UNII Band 2A – 242 Tones)



Plot 7-310. Radiated Upper Band Edge Plot SISO ANT1 (Peak – UNII Band 2A – 242 Tones)

FCC ID: A3LSMG986U	PETEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Down 242 of 265
1M1910220166-09.A3L	10/11/19 - 01/15/20	Portable Handset	Page 243 of 265



Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11ax

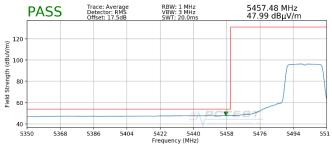
MCS0

61

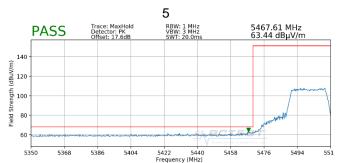
3 Meters

5500MHz

100



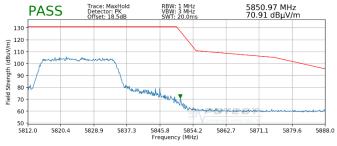
Plot 7-311. Radiated Lower Band Edge Plot SISO ANT1 (Average – UNII Band 2C – 242 Tones)



Plot 7-312. Radiated Lower Band Edge Plot SISO ANT1 (Peak – UNII Band 2C – 242 Tones)

Worst Case Mode:
Worst Case Transfer Rate:
RU Index:
Distance of Measurements:
Operating Frequency:
Channel:

802.11ax
MCS0
61
3 Meters
5825MHz
165



Plot 7-313. Radiated Upper Band Edge Plot SISO ANT1 (Peak – UNII Band 3 – 242 Tones)

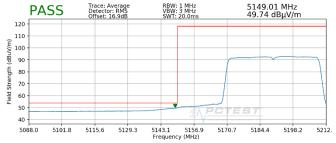
FCC ID: A3LSMG986U	PETEST (HIGHELINE LABORATORS, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dags 244 of 265
1M1910220166-09.A3L	10/11/19 - 01/15/20	Portable Handset	Page 244 of 265



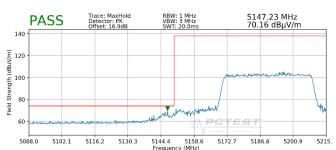
SISO Antenna-1 Radiated Band Edge Measurements (40MHz BW) 7.6.5 §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

484 Tones

Worst Case Mode: 802.11ax Worst Case Transfer Rate: MCS0 RU Index: 62 Distance of Measurements: 3 Meters Operating Frequency: 5190MHz Channel: 38

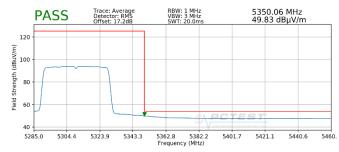


Plot 7-314. Radiated Lower Band Edge Plot SISO ANT1 (Average – UNII Band 1 – 484 Tones)

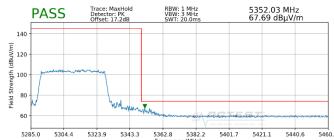


Plot 7-315. Radiated Lower Band Edge Plot SISO ANT1 (Peak - UNII Band 1 - 484 Tones)

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



Plot 7-316. Radiated Upper Band Edge Plot SISO ANT1 (Average - UNII Band 2A - 484 Tones)



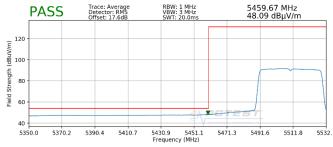
Plot 7-317. Radiated Upper Band Edge Plot SISO ANT1 (Peak - UNII Band 2A - 484 Tones)

FCC ID: A3LSMG986U	PETEST (HIGHELINE LABORATORS, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogg 245 of 265
1M1910220166-09.A3L	10/11/19 - 01/15/20	Portable Handset	Page 245 of 265

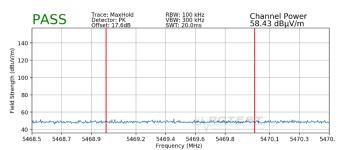


Worst Case Mode:
Worst Case Transfer Rate:
RU Index:
Distance of Measurements:
Operating Frequency:
Channel:

802.11ax
MCS0
62
3 Meters
5510MHz
102



Plot 7-318. Radiated Lower Band Edge Plot SISO ANT1 (Average – UNII Band 2C – 484 Tones)



Plot 7-319. Radiated Lower Band Edge Plot SISO ANT1 (Peak – UNII Band 2C – 484 Tones)

Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11ax

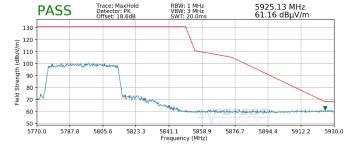
MCS0

62

3 Meters

5795MHz

159



Plot 7-320. Radiated Upper Band Edge Plot SISO ANT1 (Peak – UNII Band 3 – 484 Tones)

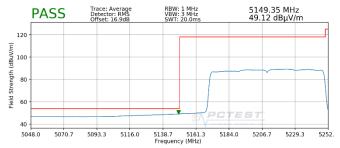
FCC ID: A3LSMG986U	PCTEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 246 of 265
1M1910220166-09.A3L	10/11/19 - 01/15/20	Portable Handset	Page 246 of 265



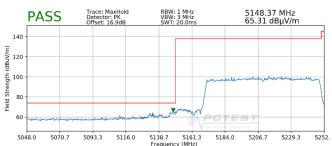
SISO Antenna-1 Radiated Band Edge Measurements (80MHz BW) 7.6.6 §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

996 Tones

Worst Case Mode: 802.11ax Worst Case Transfer Rate: MCS0 RU Index: 64 Distance of Measurements: 3 Meters Operating Frequency: 5210MHz Channel: 42

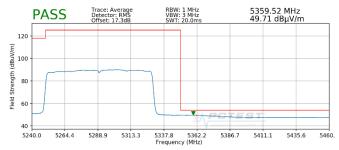


Plot 7-321. Radiated Lower Band Edge Plot SISO ANT1 (Average – UNII Band 1 – 996 Tones)

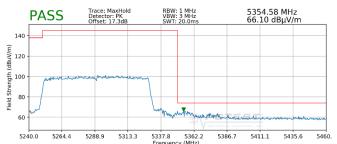


Plot 7-322. Radiated Lower Band Edge Plot SISO ANT1 (Peak - UNII Band 1 - 996 Tones)

Worst Case Mode: 802.11ax Worst Case Transfer Rate: MCS₀ RU Index: 64 Distance of Measurements: 3 Meters Operating Frequency: 5290MHz Channel: 58



Plot 7-323. Radiated Upper Band Edge Plot SISO ANT1 (Average - UNII Band 2A - 996 Tones)



Plot 7-324. Radiated Upper Band Edge Plot SISO ANT1 (Peak - UNII Band 2A - 996 Tones)

FCC ID: A3LSMG986U	PETEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 247 of 265
1M1910220166-09.A3L	10/11/19 - 01/15/20	Portable Handset	Page 247 of 265



Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11ax

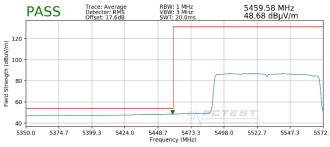
MCS0

64

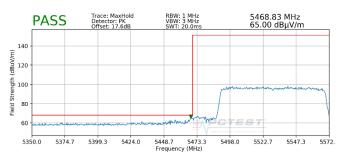
3 Meters

5530MHz

106



Plot 7-325. Radiated Lower Band Edge Plot SISO ANT1 (Average – UNII Band 2C – 996 Tones)



Plot 7-326. Radiated Lower Band Edge Plot SISO ANT1 (Peak – UNII Band 2C – 996 Tones)

Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11ax

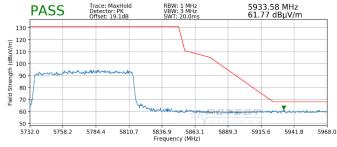
MCS0

64

3 Meters

5775MHz

155



Plot 7-327. Radiated Upper Band Edge Plot SISO ANT1 (Peak – UNII Band 3 – 996 Tones)

FCC ID: A3LSMG986U	PCTEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dago 249 of 265
1M1910220166-09.A3L	10/11/19 - 01/15/20	Portable Handset	Page 248 of 265



7.6.7 SISO Antenna-2 Radiated Band Edge Measurements (20MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

242 Tones

Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11ax

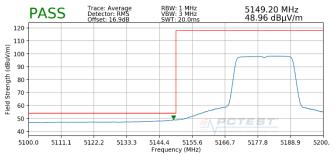
MCS0

61

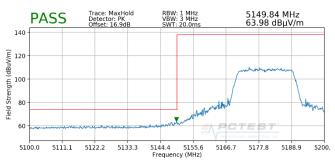
3 Meters

5180MHz

36



Plot 7-328. Radiated Lower Band Edge Plot SISO ANT2 (Average – UNII Band 1 – 242 Tones)



Plot 7-329. Radiated Lower Band Edge Plot SISO ANT2 (Peak – UNII Band 1 – 242 Tones)

Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11ax

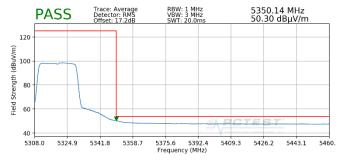
MCS0

61

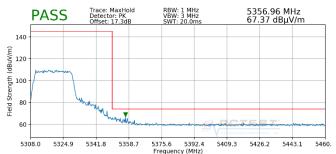
3 Meters

5320MHz

64



Plot 7-330. Radiated Upper Band Edge Plot SISO ANT2 (Average – UNII Band 2A – 242 Tones)



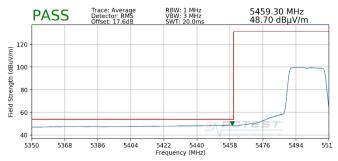
Plot 7-331. Radiated Upper Band Edge Plot SISO ANT2 (Peak – UNII Band 2A – 242 Tones)

FCC ID: A3LSMG986U	PETEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dags 240 of 265
1M1910220166-09.A3L	10/11 - 12/06/2019	Portable Handset	Page 249 of 265

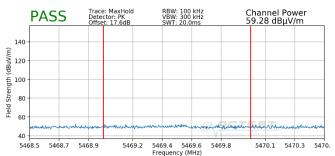


Worst Case Mode:
Worst Case Transfer Rate:
RU Index:
Distance of Measurements:
Operating Frequency:
Channel:

802.11ax
MCS0
61
3 Meters
5500MHz
100



Plot 7-332. Radiated Lower Band Edge Plot SISO ANT2 (Average – UNII Band 2C – 242 Tones)



Plot 7-333. Radiated Lower Band Edge Plot SISO ANT2 (Peak – UNII Band 2C – 242 Tones)

Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11ax

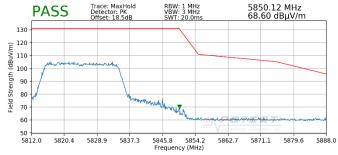
MCS0

61

3 Meters

5825MHz

165



Plot 7-334. Radiated Upper Band Edge Plot SISO ANT2 (Peak – UNII Band 3 – 242 Tones)

FCC ID: A3LSMG986U	PCTEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 250 of 265
1M1910220166-09.A3L	10/11 - 12/06/2019	Portable Handset	Page 250 of 265



7.6.8 SISO Antenna-2 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:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11ax

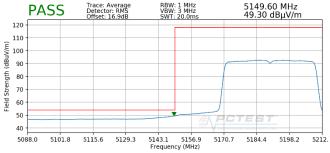
MCS0

62

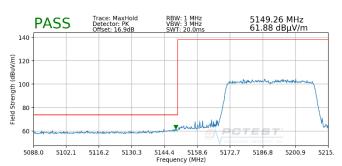
3 Meters

5190MHz

38



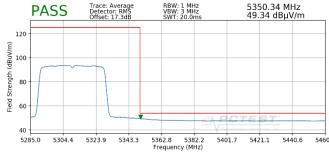
Plot 7-335. Radiated Lower Band Edge Plot SISO ANT2 (Average – UNII Band 1 – 484 Tones)



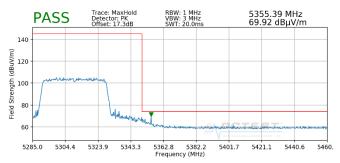
Plot 7-336. Radiated Lower Band Edge Plot SISO ANT2 (Peak – UNII Band 1 – 484 Tones)

Worst Case Mode:
Worst Case Transfer Rate:
RU Index:
Distance of Measurements:
Operating Frequency:
Channel:

802.11ax
MCS0
62
3 Meters
5310MHz
62



Plot 7-337. Radiated Upper Band Edge Plot SISO ANT2 (Average – UNII Band 2A – 484 Tones)



Plot 7-338. Radiated Upper Band Edge Plot SISO ANT2 (Peak – UNII Band 2A – 484 Tones)

FCC ID: A3LSMG986U	PETEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 251 of 265
1M1910220166-09.A3L	10/11 - 12/06/2019	Portable Handset	Page 251 of 265



Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11ax

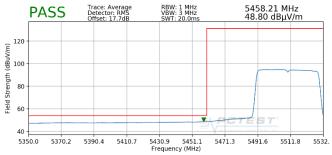
MCS0

62

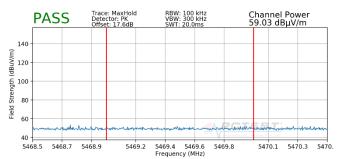
3 Meters

5510MHz

102



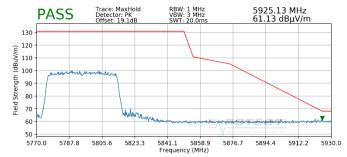
Plot 7-339. Radiated Lower Band Edge Plot SISO ANT2 (Average – UNII Band 2C – 484 Tones)



Plot 7-340. Radiated Lower Band Edge Plot SISO ANT2 (Peak – UNII Band 2C – 484 Tones)

Worst Case Mode:
Worst Case Transfer Rate:
RU Index:
Distance of Measurements:
Operating Frequency:
Channel:

802.11ax
MCS0
62
3 Meters
5795MHz
159



Plot 7-341. Radiated Upper Band Edge Plot SISO ANT2 (Peak – UNII Band 3 – 484 Tones)

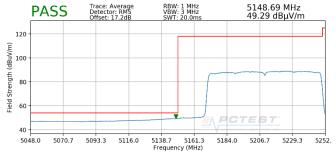
FCC ID: A3LSMG986U	PETEST (HIGHELINE LABORATORS, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dags 252 of 265
1M1910220166-09.A3L	10/11 - 12/06/2019	Portable Handset	Page 252 of 265



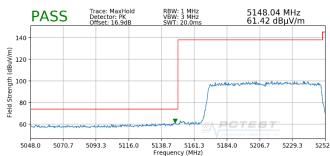
SISO Antenna-2 Radiated Band Edge Measurements (80MHz BW) 7.6.9 §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

996 Tones

Worst Case Mode: 802.11ax Worst Case Transfer Rate: MCS₀ RU Index: 64 Distance of Measurements: 3 Meters Operating Frequency: 5210MHz Channel: 42

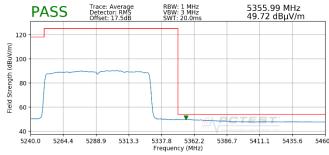


Plot 7-342. Radiated Lower Band Edge Plot SISO ANT2 (Average - UNII Band 1 - 996 Tones)

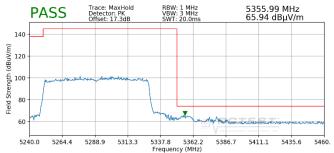


Plot 7-343. Radiated Lower Band Edge Plot SISO ANT2 (Peak - UNII Band 1 - 996 Tones)

Worst Case Mode: 802.11ax Worst Case Transfer Rate: MCS₀ **RU Index:** 64 Distance of Measurements: 3 Meters Operating Frequency: 5290MHz Channel: 58



Plot 7-344. Radiated Upper Band Edge Plot SISO ANT2 (Average – UNII Band 2A – 996 Tones)



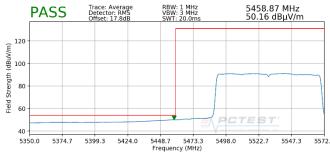
Plot 7-345. Radiated Upper Band Edge Plot SISO ANT2 (Peak – UNII Band 2A – 996 Tones)

FCC ID: A3LSMG986U	PETEST'	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 252 of 265
1M1910220166-09.A3L	10/11 - 12/06/2019	Portable Handset	Page 253 of 265

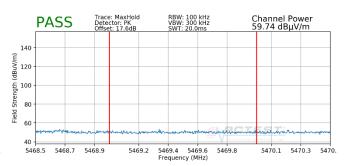


Worst Case Mode:
Worst Case Transfer Rate:
RU Index:
Distance of Measurements:
Operating Frequency:
Channel:

802.11ax
MCS0
64
3 Meters
5530MHz
106



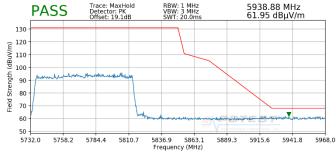
Plot 7-346. Radiated Lower Band Edge Plot SISO ANT2 (Average – UNII Band 2C – 996 Tones)



Plot 7-347. Radiated Lower Band Edge Plot SISO ANT2 (Peak – UNII Band 2C – 996 Tones)

Worst Case Mode:
Worst Case Transfer Rate:
RU Index:
Distance of Measurements:
Operating Frequency:
Channel:

802.11ax
MCS0
64
3 Meters
5775MHz
155



Plot 7-348. Radiated Upper Band Edge Plot SISO ANT2 (Peak – UNII Band 3 – 996 Tones)

FCC ID: A3LSMG986U	PCTEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 254 of 265
1M1910220166-09.A3L	10/11 - 12/06/2019	Portable Handset	Page 254 of 265



7.6.10 MIMO Radiated Band Edge Measurements (20MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

242 Tones

Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11ax

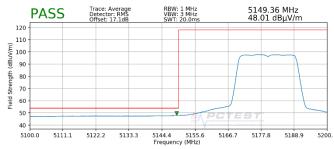
MCS0

61

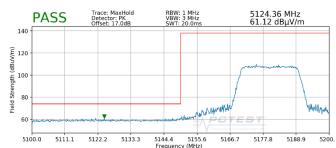
3 Meters

5180MHz

36

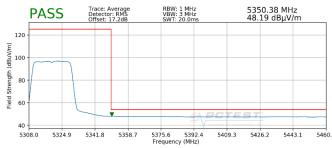


Plot 7-349. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1 – 242 Tones)

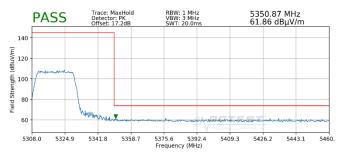


Plot 7-350. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1 – 242 Tones)

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



Plot 7-351. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A – 242 Tones)



Plot 7-352. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A – 242 Tones)

FCC ID: A3LSMG986U	PETEST*	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 255 of 265
1M1910220166-09.A3L	10/11 - 12/06/2019	Portable Handset	Page 255 of 265