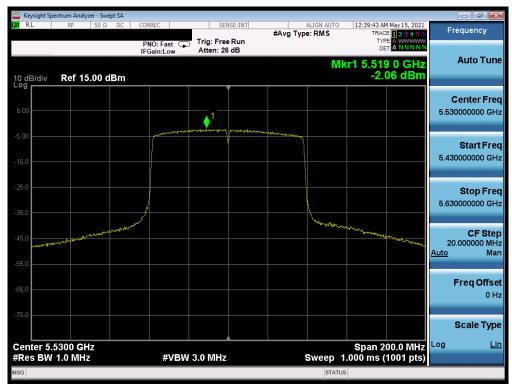


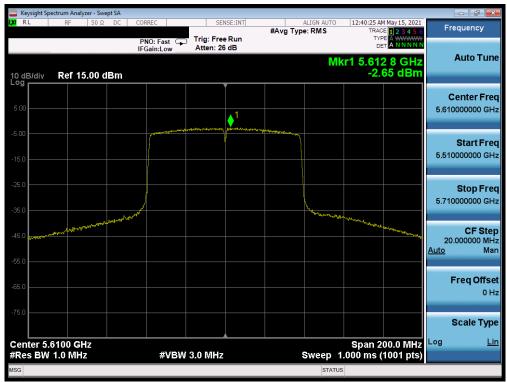
Plot 7-293. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax (UNII Band 2C) - Ch. 142)



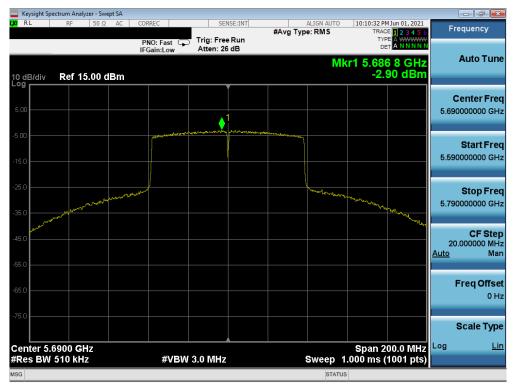
Plot 7-294. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ac (UNII Band 2C) - Ch. 106)

FCC ID: A3LSMF711U1	Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 180 of 268
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset	Page 160 01 200





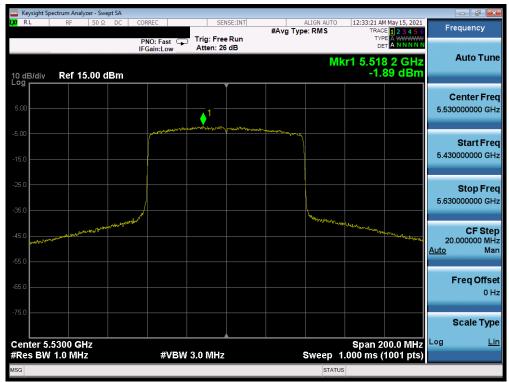
Plot 7-295. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ac (UNII Band 2C) - Ch. 122)



Plot 7-296. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ac (UNII Band 2C) - Ch. 138)

FCC ID: A3LSMF711U1	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogg 494 of 269
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset		Page 181 of 268
© 2021 PCTEST				V 9.0 02/01/2019





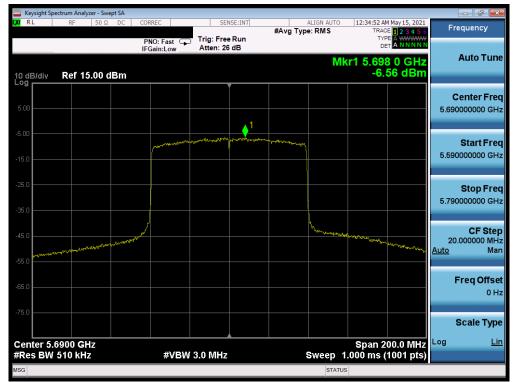
Plot 7-297. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ac (UNII Band 2C) - Ch. 106)



Plot 7-298. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ac (UNII Band 2C) - Ch. 122)

FCC ID: A3LSMF711U1	Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogg 400 of 200
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset		Page 182 of 268
© 2021 PCTEST				V 9.0 02/01/2019





Plot 7-299. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ac (UNII Band 2C) - Ch. 138)

FCC ID: A3LSMF711U1	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 192 of 269
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset	Page 183 of 268



MIMO Antenna-1 Band 3 Power Spectral Density Measurements



Plot 7-300. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11a (UNII Band 3) - Ch. 149)



Plot 7-301. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11a (UNII Band 3) - Ch. 157

FCC ID: A3LSMF711U1	Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION) SIMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 194 of 269
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset	Page 184 of 268





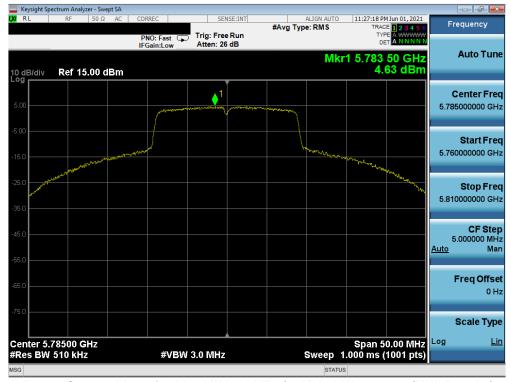
Plot 7-302. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11a (UNII Band 3) - Ch. 165)



Plot 7-303. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 3) - Ch. 149)

FCC ID: A3LSMF711U1	Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogg 105 of 200
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset		Page 185 of 268
© 2021 PCTEST				V 9.0 02/01/2019





Plot 7-304. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 3) - Ch. 157)



Plot 7-305. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11n (UNII Band 3) - Ch. 165)

FCC ID: A3LSMF711U1	Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Done 196 of 269
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset		Page 186 of 268
© 2021 PCTEST				V 9.0 02/01/2019





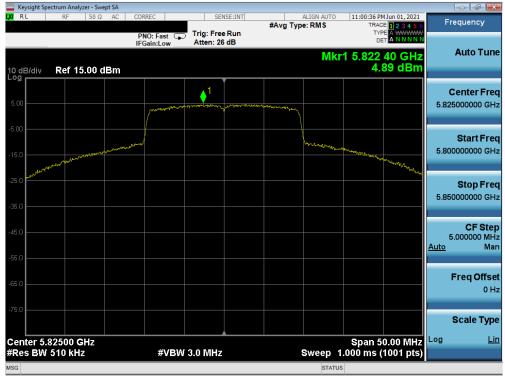
Plot 7-306. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax (UNII Band 3) - Ch. 149)



Plot 7-307. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax (UNII Band 3) - Ch. 157)

FCC ID: A3LSMF711U1	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 187 of 268
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset	Page 187 01 268
© 2021 PCTEST			V 9.0 02/01/2019





Plot 7-308. Power Spectral Density Plot MIMO ANT1 (20MHz BW 802.11ax (UNII Band 3) - Ch. 165)



Plot 7-309. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11n (UNII Band 3) - Ch. 151)

FCC ID: A3LSMF711U1	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogg 488 of 268
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset		Page 188 of 268
© 2021 PCTEST				V 9.0 02/01/2019





Plot 7-310. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11n (UNII Band 3) - Ch. 159)



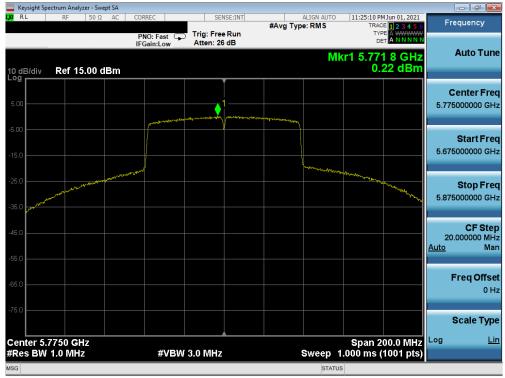
Plot 7-311. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax (UNII Band 3) - Ch. 151)

FCC ID: A3LSMF711U1	Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 189 of 268
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset	Fage 169 01 200





Plot 7-312. Power Spectral Density Plot MIMO ANT1 (40MHz BW 802.11ax (UNII Band 3) - Ch. 159)



Plot 7-313. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ac (UNII Band 3) - Ch. 155)

FCC ID: A3LSMF711U1	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Daga 100 of 200
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset		Page 190 of 268
© 2021 PCTEST				V 9.0 02/01/2019



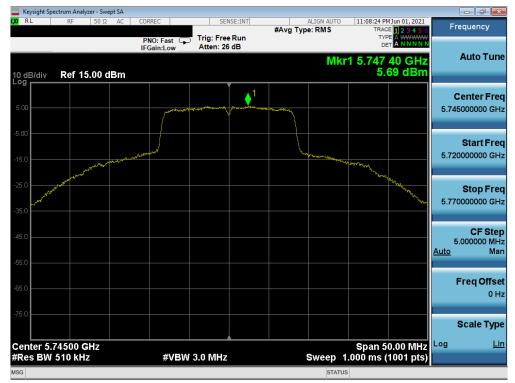


Plot 7-314. Power Spectral Density Plot MIMO ANT1 (80MHz BW 802.11ax (UNII Band 3) - Ch. 155)

FCC ID: A3LSMF711U1	Proud to be part of element	(CERTIFICATION)	Technical Manager
Test Report S/N: T	Test Dates:	EUT Type:	Page 191 of 268
1M2107290086-11.A3L 0-	04/12/2021 - 06/02/2021	Portable Handset	rage 191 01 200



MIMO Antenna-2 Band 3 Power Spectral Density Measurements



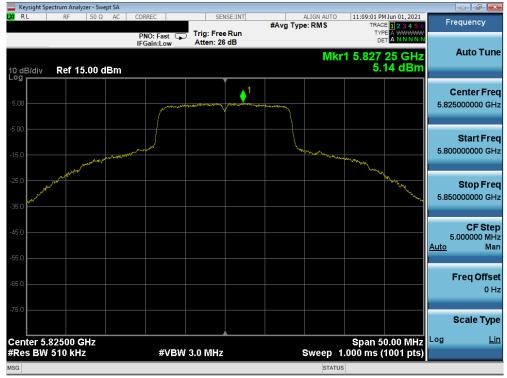
Plot 7-315. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11a (UNII Band 3) - Ch. 149)



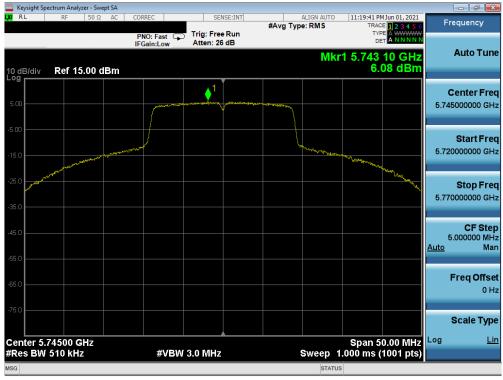
Plot 7-316. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11a (UNII Band 3) - Ch. 157)

FCC ID: A3LSMF711U1	Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dage 102 of 269
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset		Page 192 of 268
© 2021 PCTEST				V 9.0 02/01/2019





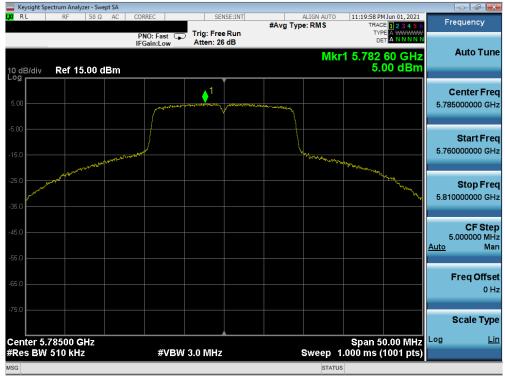
Plot 7-317. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11a (UNII Band 3) - Ch. 165)



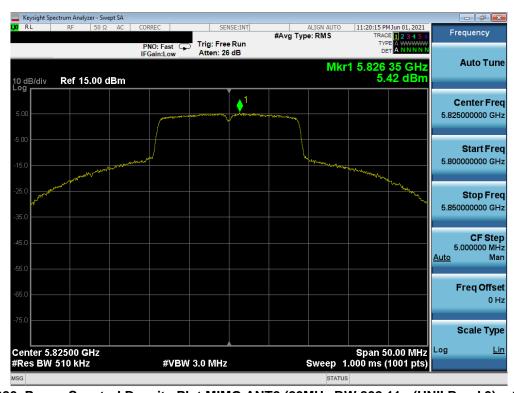
Plot 7-318. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 3) - Ch. 149)

FCC ID: A3LSMF711U1	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogg 402 of 260
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset		Page 193 of 268
© 2021 PCTEST				V 9.0 02/01/2019





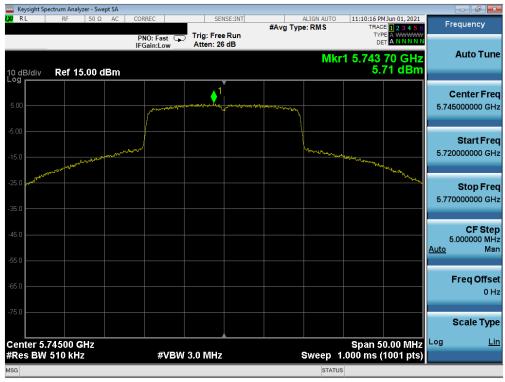
Plot 7-319. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 3) - Ch. 157)



Plot 7-320. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11n (UNII Band 3) - Ch. 165)

FCC ID: A3LSMF711U1	Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 194 of 268
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset	Fage 194 01 200





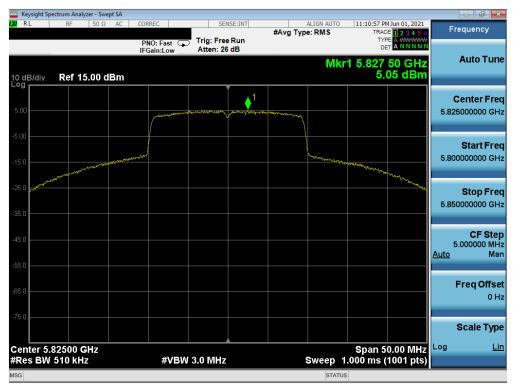
Plot 7-321. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax (UNII Band 3) - Ch. 149)



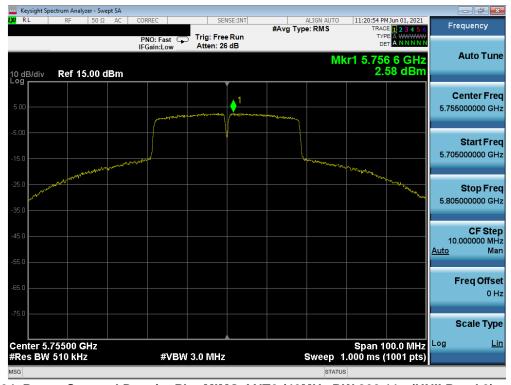
Plot 7-322. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax (UNII Band 3) - Ch. 157)

FCC ID: A3LSMF711U1	Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 195 of 268
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset	Fage 195 01 200





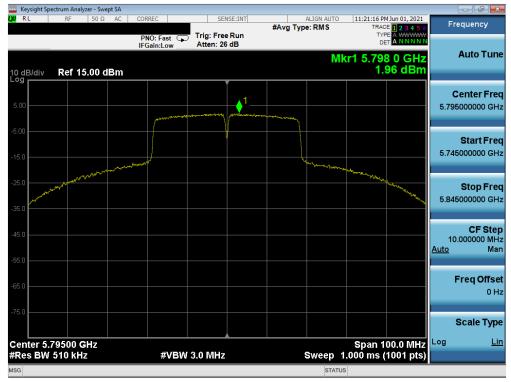
Plot 7-323. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax (UNII Band 3) - Ch. 165)



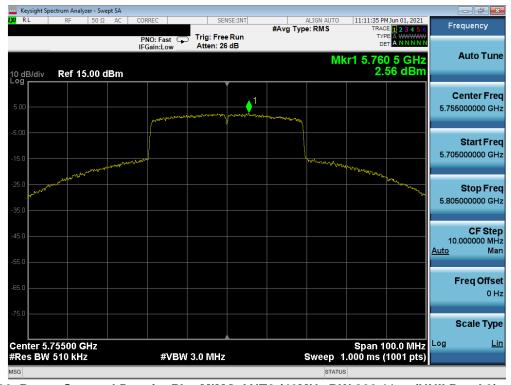
Plot 7-324. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 3) - Ch. 151)

FCC ID: A3LSMF711U1	Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 106 of 269
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset	Page 196 of 268
© 2021 PCTEST			V 9.0 02/01/2019





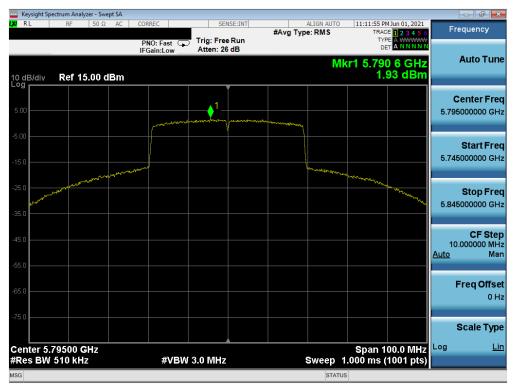
Plot 7-325. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 3) - Ch. 159)



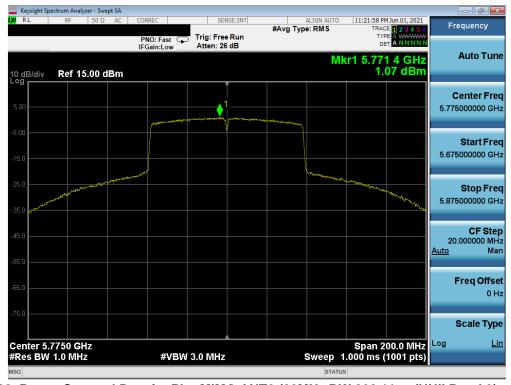
Plot 7-326. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax (UNII Band 3) - Ch. 151)

FCC ID: A3LSMF711U1	Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 197 of 268
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset	Fage 197 01 200





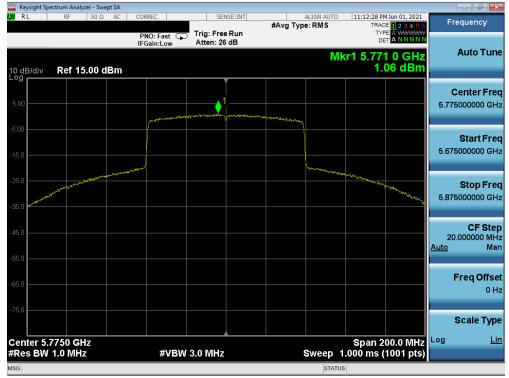
Plot 7-327. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax (UNII Band 3) - Ch. 159)



Plot 7-328. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ac (UNII Band 3) - Ch. 155)

FCC ID: A3LSMF711U1	Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 198 of 268
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset	Fage 190 01 200





Plot 7-329. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax (UNII Band 3) - Ch. 155)

Note:

Per ANSI C63.10-2013 Section 14.3.2.2 and KDB 662911 v02r01 Section E)2), the power spectral density at Antenna 1 and Antenna 2 were first measured separately as shown in the section above. The measured values were then summed in linear power units then converted back to dBm.

Sample MIMO Calculation:

At 5180MHz in 802.11n (20MHz BW) mode, the average conducted power spectral density was measured to be 6.61 dBm for Antenna-1 and 6.77 dBm for Antenna-2.

(6.61 dBm + 6.77 dBm) = (4.58 mW + 4.75 mW) = 9.33 mW = 9.70 dBm

Sample e.i.r.p Power Spectral Density Calculation:

At 5180MHz in 802.11n (20MHz BW) mode, the average MIMO power density was calculated to be 9.70 dBm with directional gain of -3.64 dBi.

$$9.70 \text{ dBm} + -3.64 \text{ dBi} = 6.06 \text{ dBm}$$

FCC ID: A3LSMF711U1	Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 199 of 268
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset	Page 199 01 200



7.6 Radiated Spurious Emission Measurements – Above 1GHz §15.407(b) §15.205 §15.209; RSS-Gen [8.9]

Test Overview and Limit

All out of band radiated spurious emissions are measured with a spectrum analyzer connected to a receive antenna while the EUT is operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10-2013 and KDB 789033 D02 v02r01, and at the appropriate frequencies. All channels, modes (e.g. 802.11a, 802.11n (20MHz BW), 802.11ax (40MHz BW), and 802.11ac (80MHz)), and modulations/data rates were investigated among all UNII bands. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

For transmitters operating in the 5.15-5.25 GHz and 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of −27 dBm/MHz.

For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz.

For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR and Table 6 of RSS-Gen (8.10) must not exceed the limits shown in Table 7-22 per Section 15.209 and RSS-Gen (8.9).

Frequency	Field Strength [µV/m]	Measured Distance [Meters]
Above 960.0 MHz	500	3

Table 7-22. Radiated Limits

Test Procedures Used

ANSI C63.10-2013 – Sections 12.7.7.2, 12.7.6, 12.7.5 KDB 789033 D02 v02r01 – Section G

Test Settings

Average Measurements above 1GHz (Method AD)

- 1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- 2. RBW = 1MHz
- 3. VBW = 3MHz
- 4. Detector = power average (RMS)
- 5. Number of measurement points = 1001 (Number of points must be \geq 2 x span/RBW)
- 6. Averaging type = power (RMS)
- 7. Sweep time = auto couple
- 8. Trace was averaged over 100 sweeps

FCC ID: A3LSMF711U1	Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 200 of 268
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset	Page 200 01 200



Peak Measurements above 1GHz

- 1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- 2. RBW = 1MHz
- 3. VBW = 3MHz
- 4. Detector = peak
- 5. Sweep time = auto couple
- 6. Trace mode = max hold
- 7. Trace was allowed to stabilize

Peak Measurements below 1GHz

- 1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- 2. Span was set greater than 1MHz
- 3. RBW = 120kHz
- 4. Detector = CISPR quasi-peak
- 5. Sweep time = auto couple
- 6. Trace was allowed to stabilize

Test Setup

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

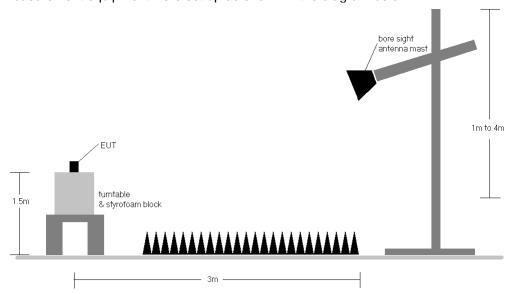


Figure 7-5. Test Instrument & Measurement Setup

FCC ID: A3LSMF711U1	Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dama 204 of 200
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset	Page 201 of 268
© 2021 PCTEST			V 9.0 02/01/2019



Test Notes

- 1. All emissions that lie in the restricted bands (denoted by a * next to the frequency) specified in §15.205 and Section 8.10 of RSS-Gen are below the limit shown in Table 7-22.
- 2. All spurious emissions lying in restricted bands specified in §15.205 and Section 8.10 of RSS-Gen are below the limit shown in Table 7-22. All spurious emissions that do not lie in a restricted band are subject to a peak limit of -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.
- 3. The antenna is manipulated through typical positions, polarity and length during the tests. The EUT is manipulated through three orthogonal planes.
- 4. This unit was tested with its standard battery.
- 5. The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter using CISPR quasi peak detector below 1GHz. Above 1 GHz, average and peak measurements were taken using linearly polarized horn antennas. The worst-case emissions are reported however emissions whose levels were not within 20dB of the respective limits were not reported.
- 6. Emissions below 18GHz were measured at a 3 meter test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
- 7. Radiated spurious emissions were investigated while operating in MIMO mode, however, it was determined that single antenna operation produced the worst case emissions. Since the emissions produced from MIMO operation were found to be more than 20dB below the limit, the MIMO emissions are not reported.
- 8. The wide spectrum spurious emissions plots shown on the following pages are used only for the purpose of emission identification. Any emissions found to be within 20dB of the limit are fully investigated and the results are shown in this section.
- 9. The "-" shown in the following RSE tables are used to denote a noise floor measurement.

Sample Calculations

Determining Spurious Emissions Levels

- Field Strength Level [dBμV/m] = Analyzer Level [dBm] + 107 + AFCL [dB/m]
- AFCL [dB/m] = Antenna Factor [dB/m] + Cable Loss [dB]
- Margin [dB] = Field Strength Level [dBμV/m] Limit [dBμV/m]

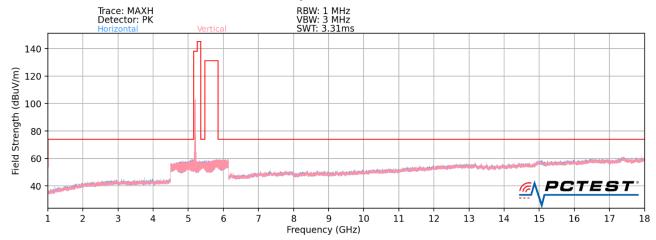
Radiated Band Edge Measurement Offset

The amplitude offset shown in the radiated restricted band edge plots was calculated using the formula:
 Offset (dB) = (Antenna Factor + Cable Loss + Attenuator) – Preamplifier Gain

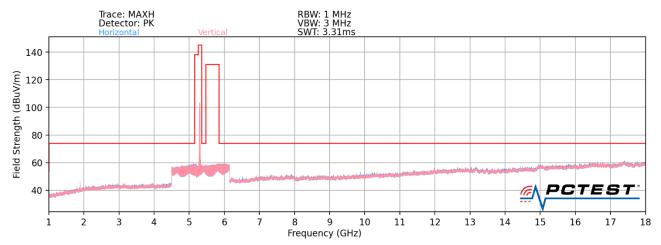
FCC ID: A3LSMF711U1	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogg 202 of 269
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset		Page 202 of 268
© 2021 PCTEST				V 9.0 02/01/2019



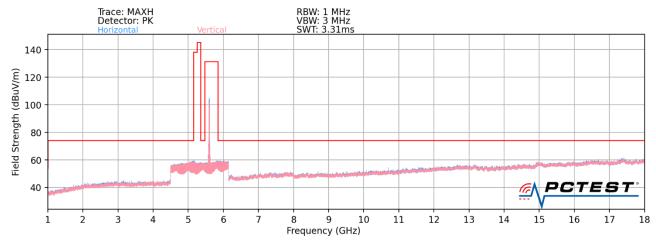
7.6.1 SISO Antenna-1 Radiated Spurious Emission Measurements



Plot 7-330. Radiated Spurious Plot above 1GHz SISO Ant1 Open (802.11a - U1 Ch. 40)



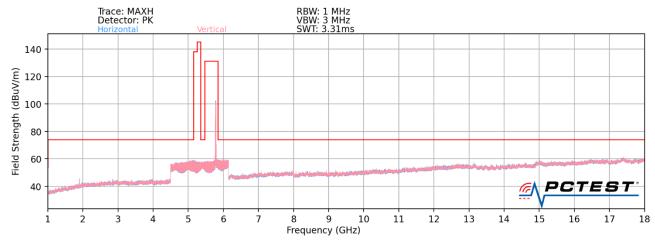
Plot 7-331. Radiated Spurious Plot above 1GHz SISO Ant1 Open (802.11a - U2A Ch. 56)



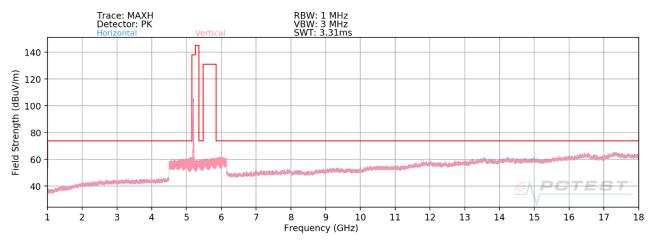
Plot 7-332. Radiated Spurious Plot above 1GHz SISO Ant1 Open (802.11a – U2C Ch. 120)

FCC ID: A3LSMF711U1 PCTEST Proud to be part of @ element		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Page 203 of 268	
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset	Page 203 01 200	

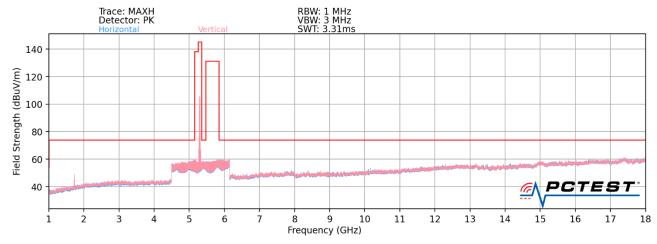




Plot 7-333. Radiated Spurious Plot above 1GHz SISO Ant1 Open (802.11a - U3 Ch. 157)



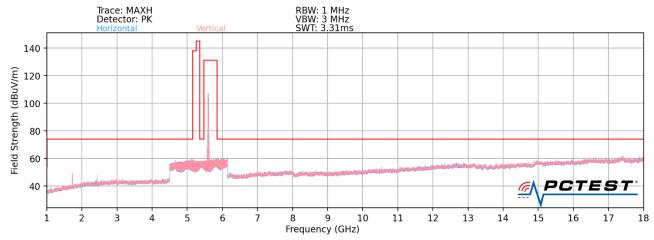
Plot 7-334. Radiated Spurious Plot above 1GHz SISO Ant1 Closed (802.11a - U1 Ch. 40)



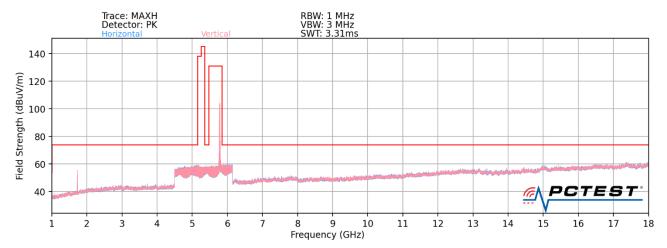
Plot 7-335. Radiated Spurious Plot above 1GHz SISO Ant1 Closed (802.11a - U2A Ch. 56)

FCC ID: A3LSMF711U1 PCTEST Proud to be part of element		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Page 204 of 268	
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset	Page 204 01 200	





Plot 7-336. Radiated Spurious Plot above 1GHz SISO Ant1 Closed (802.11a - U2C Ch. 120)

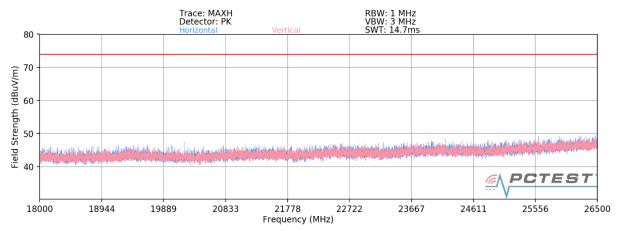


Plot 7-337. Radiated Spurious Plot above 1GHz SISO Ant1 Closed (802.11a - U3 Ch. 157)

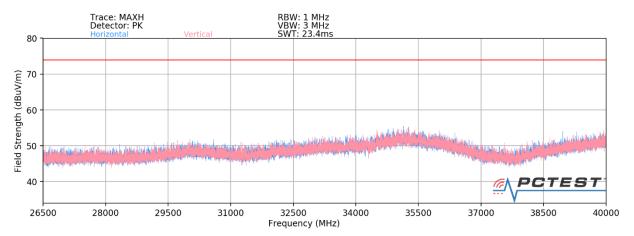
FCC ID: A3LSMF711U1 PCTEST Proud to be part of element		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Page 205 of 268	
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset	Page 205 01 200	



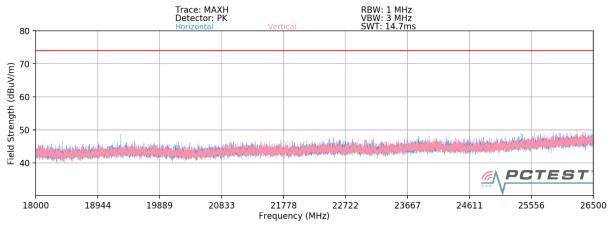
SISO Antenna-1 Radiated Spurious Emissions Measurements (Above 18GHz)



Plot 7-338. Radiated Spurious Plot above 18GHz - 26.5GHz SISO Ant1 Open (802.11a)



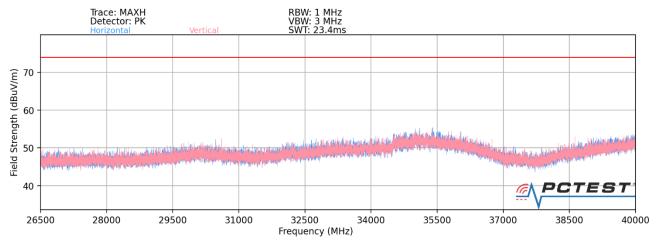
Plot 7-339. Radiated Spurious Plot 26.5GHz - 40GHz SISO Ant1 Open (802.11a)



Plot 7-340. Radiated Spurious Plot above 18GHz - 26.5GHz SISO Ant1 Closed (802.11a)

FCC ID: A3LSMF711U1	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager	
Test Report S/N: Test Dates:		EUT Type:	Page 206 of 268	
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset	Page 206 01 268	
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Plot 7-341. Radiated Spurious Plot 26.5GHz - 40GHz SISO Ant1 Closed (802.11a)

FCC ID: A3LSMF711U1	Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Page 207 of 268	
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset	Page 207 of 268	



SISO Antenna-1 Radiated Spurious Emission Measurements §15.407(b) §15.205 & §15.209; RSS-Gen [8.9]

Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5180MHz

Channel: 36

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
	10360.00	Peak	Η	-	-	-70.16	15.49	0.00	52.33	68.20	-15.87
*	15540.00	Average	Н	-	-	-82.22	22.68	0.00	47.46	53.98	-6.52
*	15540.00	Peak	Н	-	-	-71.65	22.68	0.00	58.03	73.98	-15.95
*	20720.00	Average	Н	-	-	-66.07	4.48	-9.54	35.87	53.98	-18.11
*	20720.00	Peak	Н	-	-	-55.96	4.48	-9.54	45.98	73.98	-28.00
	25900.00	Peak	Н	-	-	-55.89	6.92	-9.54	48.48	68.20	-19.72

Table 7-23. Radiated Measurements SISO ANT1

Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5200MHz

Channel: 40

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
	10400.00	Peak	Н	-	-	-69.97	15.52	0.00	52.55	68.20	-15.65
*	15600.00	Average	Н	-	-	-82.23	22.77	0.00	47.54	53.98	-6.44
*	15600.00	Peak	Н	-	-	-71.11	22.77	0.00	58.66	73.98	-15.32
*	20800.00	Average	Н	-	-	-63.73	4.88	-9.54	38.61	53.98	-15.37
*	20800.00	Peak	Н	-	-	-56.09	4.88	-9.54	46.25	73.98	-27.73
	26000.00	Peak	Н	-	-	-56.59	7.10	-9.54	47.97	68.20	-20.23

Table 7-24. Radiated Measurements SISO ANT1

FCC ID: A3LSMF711U1	Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager	
Test Report S/N: Test Dates:		EUT Type:	Page 208 of 268	
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset	Page 208 01 268	
© 2021 PCTEST			V 9.0 02/01/2019	



Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5240MHz

Channel: 48

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
	10480.00	Peak	Н	-	-	-70.39	15.45	0.00	52.06	68.20	-16.14
*	15720.00	Average	Н	-	-	-82.76	22.76	0.00	47.00	53.98	-6.98
*	15720.00	Peak	Н	-	-	-71.39	22.76	0.00	58.37	73.98	-15.61
*	20960.00	Average	Н	-	-	-67.53	5.01	-9.54	34.94	53.98	-19.04
*	20960.00	Peak	Н	-	-	-57.33	5.01	-9.54	45.13	73.98	-28.85
	26200.00	Peak	Н	-	-	-56.08	6.99	-9.54	48.37	68.20	-19.83

Table 7-25. Radiated Measurements SISO ANT1

Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5260MHz

Channel: 52

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
	10520.00	Peak	Н	-	-	-70.40	15.75	0.00	52.35	68.20	-15.85
*	15780.00	Average	Н	-	-	-82.48	22.89	0.00	47.41	53.98	-6.57
*	15780.00	Peak	Н	-	-	-71.42	22.89	0.00	58.47	73.98	-15.51
*	21040.00	Average	Н	-	-	-66.72	4.89	-9.54	35.62	53.98	-18.36
*	21040.00	Peak	Н	-	-	-56.68	4.89	-9.54	45.66	73.98	-28.32
	26300.00	Peak	Н	-	-	-56.16	7.06	-9.54	48.36	68.20	-19.84

Table 7-26. Radiated Measurements SISO ANT1

FCC ID: A3LSMF711U1	Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dama 200 of 200
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset	Page 209 of 268
© 2021 PCTEST			V 9.0 02/01/2019



Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5280MHz

Channel: 56

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
	10560.00	Peak	Н	-	-	-71.26	16.14	0.00	51.88	68.20	-16.32
*	15840.00	Average	Н	-	-	-82.53	23.17	0.00	47.64	53.98	-6.34
*	15840.00	Peak	Н	-	-	-71.36	23.17	0.00	58.81	73.98	-15.17
*	21120.00	Average	Н	-	-	-67.19	5.08	-9.54	35.35	53.98	-18.63
*	21120.00	Peak	Н	-	-	-56.51	5.08	-9.54	46.04	73.98	-27.94
	26400.00	Peak	Н	-	-	-55.71	7.43	-9.54	49.18	68.20	-19.02

Table 7-27. Radiated Measurements SISO ANT1

Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5320MHz

Channel: 64

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
*	10640.00	Average	Н	-	-	-81.76	16.06	0.00	41.30	53.98	-12.68
*	10640.00	Peak	Н	-	-	-70.48	16.06	0.00	52.58	73.98	-21.40
*	15960.00	Average	Н	-	-	-82.39	23.29	0.00	47.90	53.98	-6.08
*	15960.00	Peak	Н	-	-	-70.42	23.29	0.00	59.87	73.98	-14.11
*	21280.00	Average	Н	-	-	-67.08	5.14	-9.54	35.52	53.98	-18.46
*	21280.00	Peak	Н	-	-	-56.34	5.14	-9.54	46.25	73.98	-27.73
	26600.00	Peak	Н	-	-	-56.56	7.21	-9.54	48.11	68.20	-20.09

Table 7-28. Radiated Measurements SISO ANT1

FCC ID: A3LSMF711U1	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Page 210 of 268	
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset	Fage 210 01 200	



Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5500MHz

Channel: 100

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
*	11000.00	Average	Н	-	-	-81.92	16.78	0.00	41.86	53.98	-12.12
*	11000.00	Peak	Η	-	-	-70.41	16.78	0.00	53.37	73.98	-20.61
	16500.00	Peak	Н	-	-	-71.57	24.50	0.00	59.93	68.20	-8.27
	22000.00	Peak	Н	-	-	-56.56	5.16	-9.54	46.06	68.20	-22.14
	27500.00	Peak	Н	-	-	-56.27	7.69	-9.54	48.89	68.20	-19.31

Table 7-29. Radiated Measurements SISO ANT1

Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5600MHz

Channel: 120

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
*	11200.00	Average	Η	-	-	-81.40	16.82	0.00	42.42	53.98	-11.56
*	11200.00	Peak	I	-	-	-70.54	16.82	0.00	53.28	73.98	-20.70
	16800.00	Peak	Н	-	-	-70.81	24.42	0.00	60.61	68.20	-7.59
*	22400.00	Average	Н	-	-	-66.86	5.45	-9.54	36.04	53.98	-17.94
*	22400.00	Peak	Η	-	-	-56.76	5.45	-9.54	46.14	73.98	-27.83
	28000.00	Peak	Н	-	-	-56.17	7.99	-9.54	49.28	68.20	-18.92

Table 7-30. Radiated Measurements SISO ANT1

FCC ID: A3LSMF711U1	Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 211 of 269
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset	Page 211 of 268



Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5720MHz

Channel: 144

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
*	11440.00	Average	Н	-	-	-82.09	17.95	0.00	42.86	53.98	-11.12
*	11440.00	Peak	Н	-	-	-70.81	17.95	0.00	54.14	73.98	-19.84
	17160.00	Peak	Н	-	-	-71.94	24.77	0.00	59.83	68.20	-8.37
*	22880.00	Average	Н	-	-	-66.67	5.43	-9.54	36.22	53.98	-17.76
*	22880.00	Peak	Н	-	-	-56.47	5.43	-9.54	46.42	73.98	-27.56
	28600.00	Peak	Н	-	-	-56.60	8.29	-9.54	49.15	68.20	-19.05

Table 7-31, Radiated Measurements SISO ANT1

Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5745MHz

Channel: 149

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
*	11490.00	Average	Н	-	-	-81.73	17.82	0.00	43.09	53.98	-10.89
*	11490.00	Peak	Н	-	-	-70.84	17.82	0.00	53.98	73.98	-20.00
	17235.00	Peak	Н	-	-	-71.17	25.21	0.00	61.04	68.20	-7.16
*	22980.00	Average	Н	-	-	-66.80	5.29	-9.54	35.95	53.98	-18.03
*	22980.00	Peak	Н	-	-	-56.05	5.29	-9.54	46.71	73.98	-27.27
	28725.00	Peak	Н	-	-	-55.60	8.24	-9.54	50.09	68.20	-18.11

Table 7-32. Radiated Measurements SISO ANT1

FCC ID: A3LSMF711U1	Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 212 of 268
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset	Page 212 01 268
© 2021 PCTEST			V 9.0 02/01/2019



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

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
*	11570.00	Average	Н	-	-	-81.89	17.80	0.00	42.91	53.98	-11.07
*	11570.00	Peak	Н	-	-	-70.80	17.80	0.00	54.00	73.98	-19.98
	17355.00	Peak	Η	-	-	-72.32	26.23	0.00	60.91	68.20	-7.29
	23140.00	Peak	Н	-	-	-56.41	5.34	-9.54	46.39	68.20	-21.81
	28925.00	Peak	Н	-	-	-56.19	8.48	-9.54	49.75	68.20	-18.45

Table 7-33. Radiated Measurements SISO ANT1

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

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
*	11650.00	Average	Н	-	-	-81.83	18.05	0.00	43.22	53.98	-10.76
*	11650.00	Peak	Н	-	-	-70.37	18.05	0.00	54.68	73.98	-19.30
	17475.00	Peak	Н	-	-	-72.40	25.87	0.00	60.47	68.20	-7.73
	23300.00	Peak	Н	-	-	-56.02	5.29	-9.54	46.72	68.20	-21.48
	29125.00	Peak	Н	-	-	-56.98	8.49	-9.54	48.97	68.20	-19.23

Table 7-34. Radiated Measurements SISO ANT1

FCC ID: A3LSMF711U1	Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 212 of 269
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset	Page 213 of 268

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Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5785MHz

Channel: 157

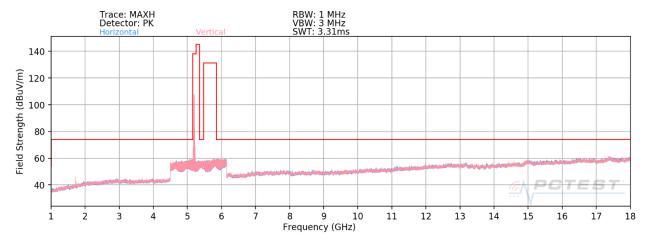
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
11570.00	Average	Н	-	-	-83.32	23.08	0.00	46.76	53.98	-7.22
11570.00	Peak	Н	-	-	-72.52	23.08	0.00	57.56	73.98	-16.42
17355.00	Peak	Н	-	-	-73.39	31.84	0.00	65.45	68.20	-2.75
23140.00	Peak	Н	-	-	-58.58	5.34	-9.54	44.22	68.20	-23.98
28925.00	Peak	Н	-	-	-59.13	8.47	-9.54	46.80	68.20	-21.40

Table 7-35. Radiated Measurements SISO ANT1 with WCP

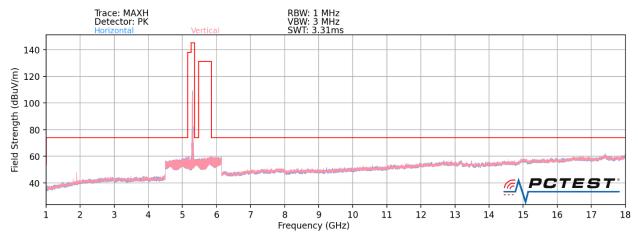
FCC ID: A3LSMF711U1	Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	MSUNG	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:		Dogo 214 of 269	
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset		Page 214 of 268	
© 2021 PCTEST				V 9.0 02/01/2019	



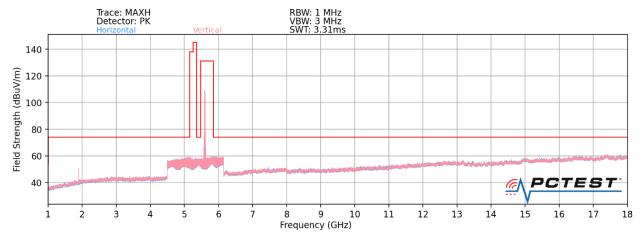
7.6.2 CDD Radiated Spurious Emission Measurements



Plot 7-342. Radiated Spurious Plot above 1GHz CDD Open (802.11a - U1 Ch. 40)



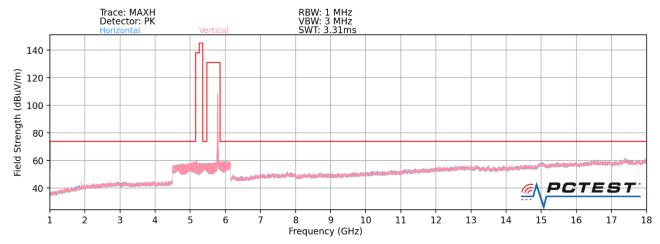
Plot 7-343. Radiated Spurious Plot above 1GHz CDD Open (802.11a - U2A Ch. 56)



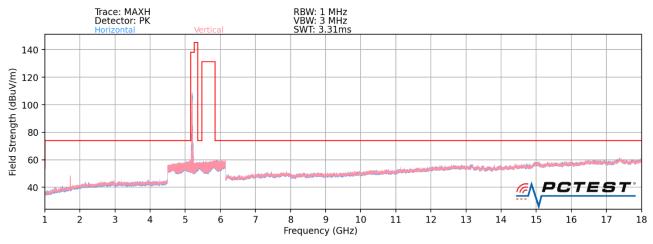
Plot 7-344. Radiated Spurious Plot above 1GHz CDD Open (802.11a - U2C Ch. 120)

FCC ID: A3LSMF711U1	Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 215 of 268
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset	Page 213 01 200

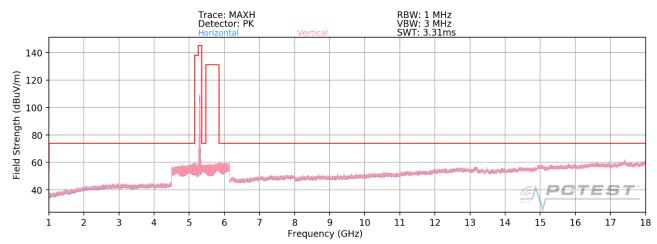




Plot 7-345. Radiated Spurious Plot above 1GHz CDD Open (802.11a - U3 Ch. 157)



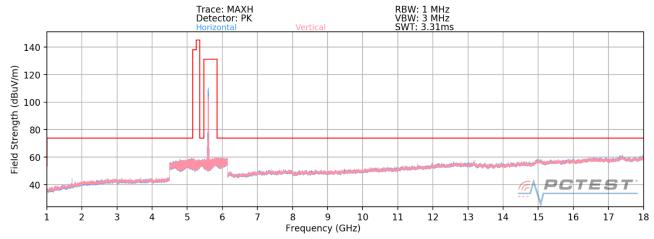
Plot 7-346. Radiated Spurious Plot above 1GHz CDD Closed (802.11a - U1 Ch. 40)



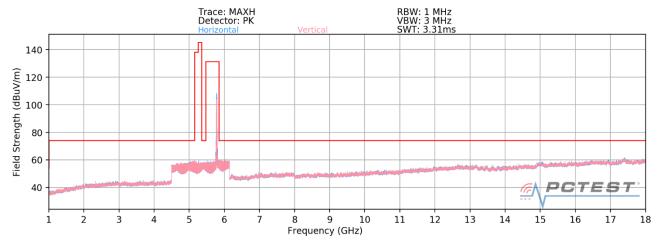
Plot 7-347. Radiated Spurious Plot above 1GHz CDD Closed (802.11a - U2A Ch. 56)

FCC ID: A3LSMF711U1 Food to be part of determined the second of the sec		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 216 of 269
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset	Page 216 of 268





Plot 7-348. Radiated Spurious Plot above 1GHz CDD Closed (802.11a - U2C Ch. 120)

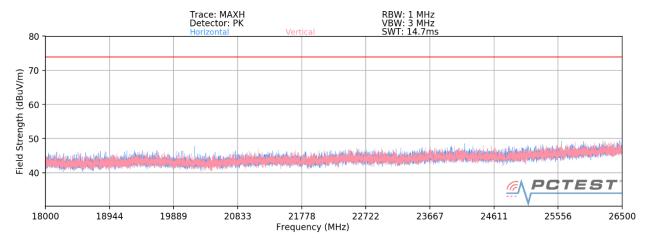


Plot 7-349. Radiated Spurious Plot above 1GHz CDD Closed (802.11a - U3 Ch. 157)

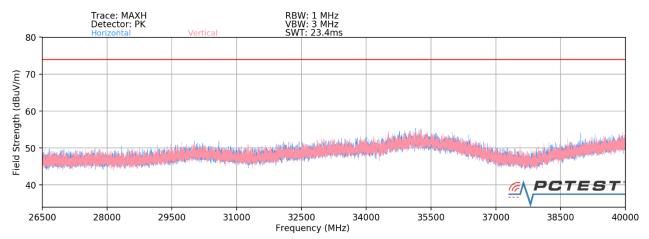
FCC ID: A3LSMF711U1	Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 217 of 269
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset	Page 217 of 268
© 2021 PCTEST			V 9.0 02/01/2019



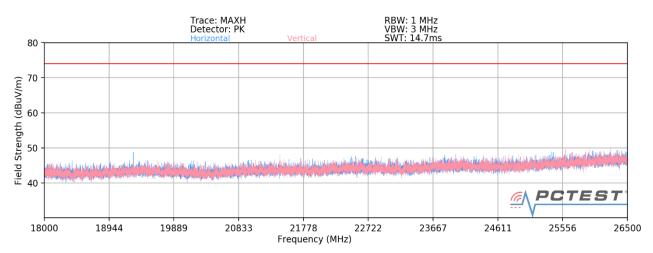
CDD Radiated Spurious Emissions Measurements (Above 18GHz)



Plot 7-350. Radiated Spurious Plot above 18GHz - 26.5GHz CDD Open (802.11a)



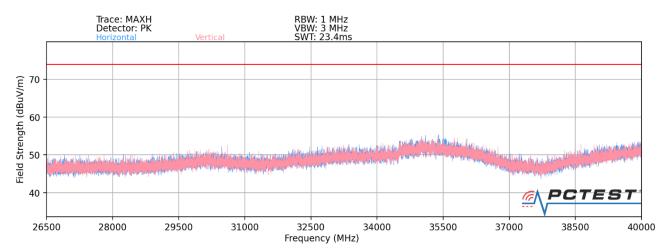
Plot 7-351. Radiated Spurious Plot 26.5GHz - 40GHz CDD Open (802.11a)



Plot 7-352. Radiated Spurious Plot above 18GHz - 26.5GHz CDD Closed (802.11a)

FCC ID: A3LSMF711U1	Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 218 of 268
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset	Page 216 01 206





Plot 7-353. Radiated Spurious Plot 26.5GHz - 40GHz CDD Closed (802.11a)

Test Report S/N: Test Dates: EUT Type:	FCC ID: A3LSMF711U1	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
	Test Report S/N:	Test Dates:	EUT Type:	Dogo 210 of 269
1M2107290086-11.A3L	1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset	Fage 219 01 200



CDD Radiated Spurious Emission Measurements §15.407(b) §15.205 & §15.209; RSS-Gen [8.9]

Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5180MHz

Channel: 36

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
	10360.00	Peak	Н	-	-	-68.87	15.49	0.00	53.62	68.20	-14.58
*	15540.00	Average	Н	-	-	-82.50	22.68	0.00	47.18	53.98	-6.80
*	15540.00	Peak	Н	-	-	-71.01	22.68	0.00	58.67	73.98	-15.31
*	20720.00	Average	Н	-	-	-67.13	4.48	-9.54	34.80	53.98	-19.18
*	20720.00	Peak	Н	-	-	-57.30	4.48	-9.54	44.64	73.98	-29.34
	25900.00	Peak	Н	-	-	-56.63	6.92	-9.54	47.74	68.20	-20.46

Table 7-36. Radiated Measurements CDD

Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5200MHz

Channel: 40

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
	10400.00	Peak	Н	-	-	-69.52	15.52	0.00	53.00	68.20	-15.20
*	15600.00	Average	Н	-	-	-82.28	22.77	0.00	47.49	53.98	-6.49
*	15600.00	Peak	Н	-	-	-71.12	22.77	0.00	58.65	73.98	-15.33
*	20800.00	Average	Н	-	-	-66.90	4.88	-9.54	35.44	53.98	-18.54
*	20800.00	Peak	Н	-	-	-56.77	4.88	-9.54	45.57	73.98	-28.40
	26000.00	Peak	Н	-	-	-56.47	7.10	-9.54	48.10	68.20	-20.10

Table 7-37. Radiated Measurements CDD

FCC ID: A3LSMF711U1	Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Daga 220 of 200
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset	Page 220 of 268
© 2021 PCTEST			V 9.0 02/01/2019



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

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
	10480.00	Peak	Н	-	-	-68.33	15.45	0.00	54.12	68.20	-14.08
*	15720.00	Average	Н	-	-	-82.45	22.76	0.00	47.31	53.98	-6.67
*	15720.00	Peak	Н	-	-	-71.11	22.76	0.00	58.65	73.98	-15.33
*	20960.00	Average	Н	-	-	-67.82	5.01	-9.54	34.65	53.98	-19.33
*	20960.00	Peak	Н	-	-	-57.39	5.01	-9.54	45.07	73.98	-28.90
•	26200.00	Peak	Н	-	-	-56.13	6.99	-9.54	48.31	68.20	-19.89

Table 7-38. Radiated Measurements CDD

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

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
	10520.00	Peak	Н	-	-	-69.04	15.75	0.00	53.71	68.20	-14.49
*	15780.00	Average	I	-	-	-81.98	22.89	0.00	47.91	53.98	-6.07
*	15780.00	Peak	Н	-	-	-71.27	22.89	0.00	58.62	73.98	-15.36
*	21040.00	Average	Н	-	-	-67.10	4.89	-9.54	35.25	53.98	-18.73
*	21040.00	Peak	Н	-	-	-57.23	4.89	-9.54	45.11	73.98	-28.87
	26300.00	Peak	Н	-	-	-56.15	7.06	-9.54	48.37	68.20	-19.83

Table 7-39. Radiated Measurements CDD

FCC ID: A3LSMF711U1	Proud to be part of @ element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 221 of 268
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset	Page 221 01 200



Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5280MHz

Channel: 56

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
	10560.00	Peak	Н	-	-	-70.02	16.14	0.00	53.12	68.20	-15.08
*	15840.00	Average	Н	-	-	-82.18	23.17	0.00	47.99	53.98	-5.99
*	15840.00	Peak	Н	-	-	-70.71	23.17	0.00	59.46	73.98	-14.52
*	21120.00	Average	Н	-	-	-67.46	5.08	-9.54	35.09	53.98	-18.89
*	21120.00	Peak	Н	-	-	-57.29	5.08	-9.54	45.25	73.98	-28.73
	26400.00	Peak	Н	-	-	-56.27	7.43	-9.54	48.62	68.20	-19.58

Table 7-40. Radiated Measurements CDD

Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5320MHz

Channel: 64

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
*	10640.00	Average	Н	-	-	-81.15	16.06	0.00	41.91	53.98	-12.07
*	10640.00	Peak	Н	-	-	-70.26	16.06	0.00	52.80	73.98	-21.18
*	15960.00	Average	Н	-	-	-82.48	23.29	0.00	47.81	53.98	-6.17
*	15960.00	Peak	Н	-	-	-71.22	23.29	0.00	59.07	73.98	-14.91
*	21280.00	Average	Н	-	-	-67.14	5.14	-9.54	35.46	53.98	-18.52
*	21280.00	Peak	Н	-	-	-56.92	5.14	-9.54	45.67	73.98	-28.31
	26600.00	Peak	Н	-	-	-56.81	7.21	-9.54	47.86	68.20	-20.34

Table 7-41. Radiated Measurements CDD

FCC ID: A3LSMF711U1	Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 222 of 268
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset	Page 222 01 200

© 2021 PCTEST V 9.0 02/01/2019



Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5500MHz

Channel: 100

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
*	11000.00	Average	Н	-	-	-81.29	16.78	0.00	42.49	53.98	-11.49
*	11000.00	Peak	Н	-	-	-70.56	16.78	0.00	53.22	73.98	-20.76
	16500.00	Peak	Н	-	-	-70.56	24.50	0.00	60.94	68.20	-7.26
	22000.00	Peak	Н	-	-	-55.83	5.16	-9.54	46.79	68.20	-21.41
	27500.00	Peak	Н	-	-	-56.80	7.69	-9.54	48.36	68.20	-19.84

Table 7-42. Radiated Measurements CDD

Worst Case Mode:

Worst Case Transfer Rate:

Distance of Measurements:

Operating Frequency:

Channel:

802.11a

6Mbps

1 & 3 Meters

5600MHz

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	I	-	-	-81.12	16.82	0.00	42.70	53.98	-11.28
*	11200.00	Peak	Н	-	-	-69.64	16.82	0.00	54.18	73.98	-19.80
	16800.00	Peak	Н	-	-	-71.49	24.42	0.00	59.93	68.20	-8.27
*	22400.00	Average	Н	-	-	-66.58	5.45	-9.54	36.33	53.98	-17.65
*	22400.00	Peak	Н	-	-	-55.97	5.45	-9.54	46.94	73.98	-27.04
	28000.00	Peak	Н	-	-	-67.11	7.99	-9.54	38.34	68.20	-29.86

Table 7-43. Radiated Measurements CDD

FCC ID: A3LSMF711U1	Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 223 of 268
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset	Page 223 01 200



Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5720MHz

Channel: 144

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
*	11440.00	Average	Н	-	-	-82.18	17.95	0.00	42.77	53.98	-11.21
*	11440.00	Peak	I	-	-	-70.87	17.95	0.00	54.08	73.98	-19.90
	17160.00	Peak	Н	-	-	-71.65	24.77	0.00	60.12	68.20	-8.08
*	22880.00	Average	Н	-	-	-66.82	5.43	-9.54	36.06	53.98	-17.92
*	22880.00	Peak	Н	-	-	-56.50	5.43	-9.54	46.38	73.98	-27.60
	28600.00	Peak	Н	-	-	-57.55	8.29	-9.54	48.20	68.20	-20.00

Table 7-44. Radiated Measurements CDD

Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5745MHz

Channel: 149

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
*	11490.00	Average	Η	ı	•	-82.12	17.82	0.00	42.70	53.98	-11.28
*	11490.00	Peak	I	-	-	-70.99	17.82	0.00	53.83	73.98	-20.15
	17235.00	Peak	Η	ı	-	-70.95	25.21	0.00	61.26	68.20	-6.94
*	22980.00	Average	I	-	-	-66.87	5.29	-9.54	35.88	53.98	-18.10
*	22980.00	Peak	Н	-	-	-56.80	5.29	-9.54	45.95	73.98	-28.03
	28725.00	Peak	Н	-	-	-55.29	8.24	-9.54	50.40	69.20	-18.80

Table 7-45. Radiated Measurements CDD

FCC ID: A3LSMF711U1	Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 224 of 268
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset	Page 224 01 200



Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5785MHz

Channel: 157

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
*	11570.00	Average	Н	-	-	-81.89	17.80	0.00	42.91	53.98	-11.07
*	11570.00	Peak	Н	-	-	-70.76	17.80	0.00	54.04	73.98	-19.94
	17355.00	Peak	Н	-	-	-72.51	26.23	0.00	60.72	68.20	-7.48
	23140.00	Peak	Н	-	-	-56.91	5.34	-9.54	45.88	68.20	-22.32
	28925.00	Peak	Н	-	-	-57.38	8.48	-9.54	48.55	68.20	-19.65

Table 7-46. Radiated Measurements CDD

Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5825MHz

Channel: 165

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
*	11650.00	Average	Н	-	-	-81.87	18.05	0.00	43.18	53.98	-10.80
*	11650.00	Peak	Н	-	-	-70.70	18.05	0.00	54.35	73.98	-19.63
	17475.00	Peak	Н	-	-	-71.73	25.87	0.00	61.14	68.20	-7.06
	23300.00	Peak	Н	-	-	-56.52	5.29	-9.54	46.23	68.20	-21.97
	29125.00	Peak	Н	-	-	-57.33	8.49	-9.54	48.62	68.20	-19.58

Table 7-47. Radiated Measurements CDD

FCC ID: A3LSMF711U1	Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 225 of 268
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset	Page 225 01 200

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Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5785MHz

Channel: 157

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
11650.00	Average	Н	-	-	-81.87	18.05	0.00	43.18	53.98	-10.80
11650.00	Peak	Н	-	-	-70.70	18.05	0.00	54.35	73.98	-19.63
17475.00	Peak	Н	-	-	-71.73	25.87	0.00	61.14	68.20	-7.06
23300.00	Peak	Н	-	-	-56.52	5.29	-9.54	46.23	68.20	-21.97
29125.00	Peak	Н	-	-	-57.33	8.49	-9.54	48.62	68.20	-19.58

Table 7-48. Radiated Measurements CDD with WCP

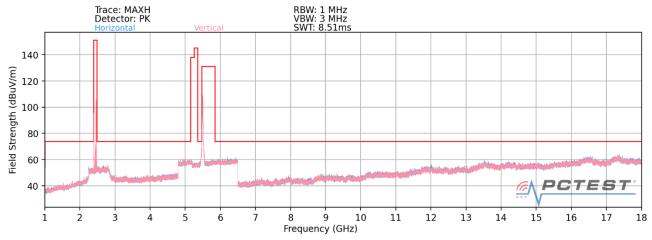
FCC ID: A3LSMF711U1	Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Down 200 of 200
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset	Page 226 of 268
© 2021 PCTEST			V 9.0 02/01/2019



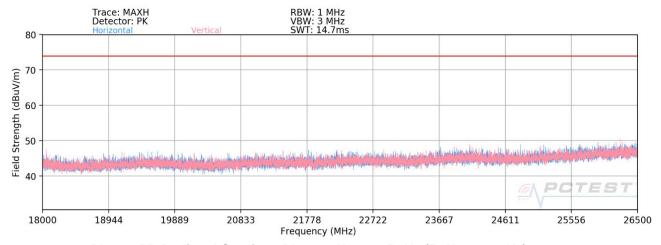
7.6.3 Simultaneous Tx Radiated Spurious Emissions Measurements §15.407(b) §15.205 & §15.209; RSS-Gen [8.9]

Description	Bluetooth	2.4 GHz Emission	5 GHz Emission
Antenna	1	2	1, 2
Channel	0	11	100
Operating Frequency (MHz)	2402	2462	5500
Data Rate (Mbps)	1	1	6
Mode	GFSK	802.11b	802.11a

Table 7-49. Simultaneous Transmission Config-1



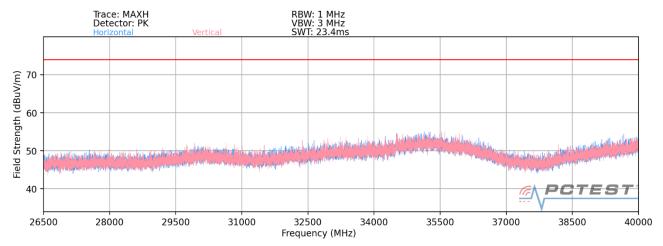
Plot 7-354. Radiated Spurious Plot above 1GHz (5GHz - 2.4GHz) - Open



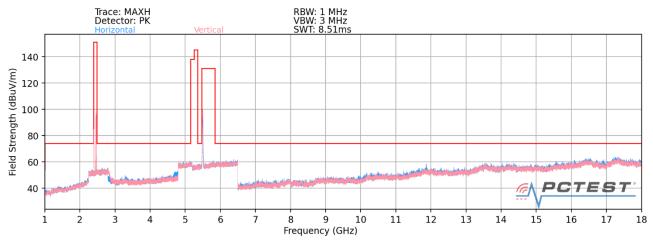
Plot 7-355. Radiated Spurious Plot 18GHz - 26.5GHz (5GHz - 2.4GHz) - Open

FCC ID: A3LSMF711U1	Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 227 of 268
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset	Fage 227 01 200





Plot 7-356. Radiated Spurious Plot above 26.5GHz (5GHz - 2.4GHz) - Open



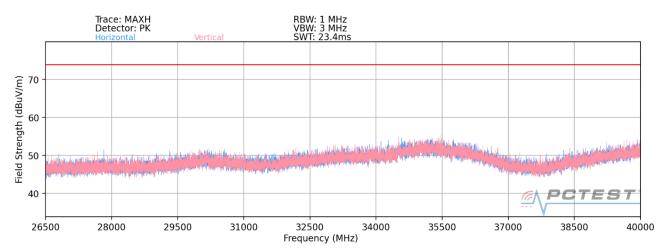
Plot 7-357. Radiated Spurious Plot above 1GHz (5GHz - 2.4GHz) - Closed



Plot 7-358. Radiated Spurious Plot 18GHz - 26.5GHz (5GHz - 2.4GHz) - Closed

FCC ID: A3LSMF711U1	Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dogo 229 of 269	
1M2107290086-11.A3L	04/12/2021 - 06/02/2021	Portable Handset	Page 228 of 268	





Plot 7-359. Radiated Spurious Plot above 26.5GHz (5GHz - 2.4GHz) - Closed

Test Report S/N: Test Dates: EUT Type:	Page 220 of 269
1M2107290086-11.A3L	Page 229 of 268