

Radiated Spurious Emissions Measurements (Above 18GHz)



FCC ID: ZNFQ710US		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager		
Test Report S/N:	Test Dates:	EUT Type:				
1M1803280057-06.ZNF	3/27 - 5/2/2018	Portable Handset		Page 66 of 91		
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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	213	135	-67.82	12.54	0.00	51.72	68.20	-16.48
*	15540.00	Average	н	-	-	-81.52	16.51	0.00	41.99	53.98	-11.99
*	15540.00	Peak	н	-	-	-69.34	16.51	0.00	54.17	73.98	-19.81
*	20720.00	Average	н	-	-	-71.18	7.94	-9.54	34.22	53.98	-19.76
*	20720.00	Peak	н	-	-	-60.38	7.94	-9.54	45.02	73.98	-28.96
	25900.00	Peak	н	-	-	-57.42	8.46	-9.54	48.50	68.20	-19.70

Table 7-10. Radiated Measurements

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

_	802.11a
	6Mbps
-	1 & 3 Meters
-	5200MHz
-	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	177	185	-68.43	13.50	0.00	52.07	68.20	-16.13
*	15600.00	Average	Н	-	-	-80.66	16.85	0.00	43.19	53.98	-10.79
*	15600.00	Peak	Н	-	-	-68.57	16.85	0.00	55.28	73.98	-18.70
*	20800.00	Average	н	-	-	-71.39	7.95	-9.54	34.02	53.98	-19.96
*	20800.00	Peak	н	-	-	-60.39	7.95	-9.54	45.02	73.98	-28.96
	26000.00	Peak	н	-	-	-58.56	8.60	-9.54	47.50	68.20	-20.70

Table 7-11. Radiated Measurements

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802.11a
6Mbps
1 & 3 Meters
5240MHz
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	191	186	-67.99	11.95	0.00	50.96	68.20	-17.24
*	15720.00	Average	Н	-	-	-80.89	18.62	0.00	44.73	53.98	-9.25
*	15720.00	Peak	н	-	-	-68.30	18.62	0.00	57.32	73.98	-16.66
*	20960.00	Average	Н	-	-	-71.76	7.91	-9.54	33.61	53.98	-20.37
*	20960.00	Peak	Н	-	-	-60.87	7.91	-9.54	44.50	73.98	-29.48
	26200.00	Peak	Н	-	-	-57.87	8.62	-9.54	48.21	68.20	-19.99

Table 7-12. Radiated Measurements

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

802.11a 6Mbps 1 & 3 Meters 5260MHz 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	182	183	-67.53	13.57	0.00	53.04	68.20	-15.16
*	15780.00	Average	н	-	-	-81.61	18.14	0.00	43.53	53.98	-10.45
*	15780.00	Peak	н	-	-	-69.92	18.14	0.00	55.22	73.98	-18.76
*	21040.00	Average	н	-	-	-71.32	7.92	-9.54	34.06	53.98	-19.92
*	21040.00	Peak	н	-	-	-60.61	7.92	-9.54	44.77	73.98	-29.21
	26300.00	Peak	н	-	-	-57.09	8.73	-9.54	49.10	68.20	-19.10

Table 7-13. Radiated Measurements

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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	184	186	-67.31	13.31	0.00	53.00	68.20	-15.20
*	15840.00	Average	Н	-	-	-81.97	18.90	0.00	43.93	53.98	-10.04
*	15840.00	Peak	Н	-	-	-70.06	18.90	0.00	55.84	73.98	-18.13
*	21120.00	Average	н	-	-	-70.88	7.96	-9.54	34.54	53.98	-19.44
*	21120.00	Peak	н	-	-	-59.67	7.96	-9.54	45.75	73.98	-28.23
	26400.00	Peak	н	-	-	-58.04	8.94	-9.54	48.36	68.20	-19.84

Table 7-14. Radiated Measurements

Worst Case Mode: Worst Case Transfer Rate: Distance of Measurements: Operating Frequency: Channel: 802.11a 6Mbps 1 & 3 Meters 5320MHz 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	182	184	-77.37	12.85	0.00	42.48	53.98	-11.50
*	10640.00	Peak	н	182	184	-68.87	12.85	0.00	50.98	73.98	-23.00
*	15960.00	Average	н	-	-	-81.61	18.11	0.00	43.50	53.98	-10.48
*	15960.00	Peak	н	-	-	-70.11	18.11	0.00	55.00	73.98	-18.98
*	21280.00	Average	н	-	-	-70.45	8.04	-9.54	35.05	53.98	-18.93
*	21280.00	Peak	н	-	-	-60.42	8.04	-9.54	45.08	73.98	-28.90
	26600.00	Peak	Н	-	-	-48.89	-8.30	-9.54	40.26	68.20	-27.94

Table 7-15. Radiated Measurements

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802.11a		
6Mbps		
1 & 3 Meters		
5500MHz		
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	161	169	-76.86	12.88	0.00	43.02	53.98	-10.96
*	11000.00	Peak	Н	161	169	-67.64	12.88	0.00	52.24	73.98	-21.74
	16500.00	Peak	Н	-	-	-69.43	18.56	0.00	56.13	68.20	-12.07
	22000.00	Peak	Н	-	-	-59.09	8.43	-9.54	46.79	68.20	-21.41
	27500.00	Peak	н	-	-	-46.70	-8.80	-9.54	41.96	68.20	-26.24

Table 7-16. Radiated Measurements

Worst Case Mode: Worst Case Transfer Rate: Distance of Measurements: Operating Frequency: Channel: 802.11a 6Mbps 1 & 3 Meters 600MHz 120

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Factor	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
*	11200.00	Average	н	204	192	-75.75	13.77	0.00	45.02	53.98	-8.96
*	11200.00	Peak	н	204	192	-67.28	13.77	0.00	53.49	73.98	-20.49
	16800.00	Peak	н	-	-	-69.95	18.53	0.00	55.58	68.20	-12.62
*	22400.00	Average	н	-	-	-69.90	8.11	-9.54	35.67	53.98	-18.31
*	22400.00	Peak	н	-	-	-59.94	8.11	-9.54	45.63	73.98	-28.35
	28000.00	Peak	н	-	-	-47.41	-9.26	-9.54	40.79	68.20	-27.41

Table 7-17. Radiated Measurements

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Worst Case Mode:	802.11a
Worst Case Transfer Rate:	6Mbps
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]
*	11400.00	Average	Н	186	176	-76.52	14.78	0.00	45.26	53.98	-8.72
*	11400.00	Peak	Н	186	176	-68.07	14.78	0.00	53.71	73.98	-20.27
	17100.00	Peak	Н	-	-	-81.93	19.06	0.00	44.13	68.20	-24.07
*	22800.00	Average	Н	-	-	-70.98	8.28	-9.54	34.76	53.98	-19.22
*	22800.00	Peak	Н	-	-	-60.13	8.28	-9.54	45.61	73.98	-28.37
	28500.00	Peak	н	-	-	-47.00	-9.08	-9.54	41.38	68.20	-26.82

Table 7-18. Radiated Measurements

Worst Case Mode: Worst Case Transfer Rate: Distance of Measurements: Operating Frequency: Channel: 802.11a 6Mbps 1 & 3 Meters 5745MHz 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	186	175	-76.76	13.91	0.00	44.15	53.98	-9.82
*	11490.00	Peak	н	186	175	-68.38	13.91	0.00	52.53	73.98	-21.44
	17235.00	Peak	н	-	-	-69.92	20.29	0.00	57.37	68.20	-10.83
*	22980.00	Average	н	-	-	-71.45	8.16	-9.54	34.17	53.98	-19.81
*	22980.00	Peak	н	-	-	-60.75	8.16	-9.54	44.87	73.98	-29.11
	28725.00	Peak	н	-	-	-45.81	-9.24	-9.54	42.41	68.20	-25.79

Table 7-19. Radiated Measurements

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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	214	196	-74.94	13.99	0.00	46.05	53.98	-7.93
*	11570.00	Peak	н	214	196	-66.03	13.99	0.00	54.96	73.98	-19.02
	17355.00	Peak	н	-	-	-70.36	21.74	0.00	58.38	68.20	-9.82
	23140.00	Peak	Н	-	-	-60.39	8.37	-9.54	45.44	68.20	-22.76
	28925.00	Peak	н	-	-	-46.75	-9.65	-9.54	41.06	68.20	-27.14

 Table 7-20. Radiated Measurements

Worst Case Mode: Worst Case Transfer Rate: Distance of Measurements: Operating Frequency: Channel: 802.11a 6Mbps 1 & 3 Meters 5825MHz 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	189	192	-75.36	15.14	0.00	46.78	53.98	-7.20
*	11650.00	Peak	н	189	192	-66.04	15.14	0.00	56.10	73.98	-17.88
	17475.00	Peak	н	-	-	-69.04	20.25	0.00	58.21	68.20	-9.99
	23300.00	Peak	н	-	-	-60.24	8.50	-9.54	45.72	68.20	-22.48
	29125.00	Peak	н	-	-	-45.30	-9.87	-9.54	42.29	68.20	-25.91

Table 7-21. Radiated Measurements

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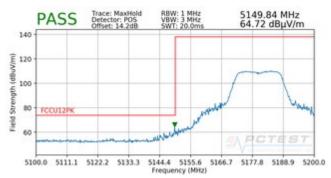


7.7.2 Radiated Band Edge Measurements (20MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]; RSS-Gen [8.9]

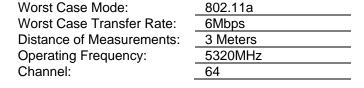
Worst Case Mode:	802.11a
Worst Case Transfer Rate:	6Mbps
Distance of Measurements:	3 Meters
Operating Frequency:	5180MHz
Channel:	36



Plot 7-83. Radiated Lower Band Edge Plot (Average – UNII Band 1)

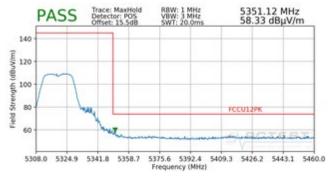


Plot 7-84. Radiated Lower Band Edge Plot (Peak – UNII Band 1)







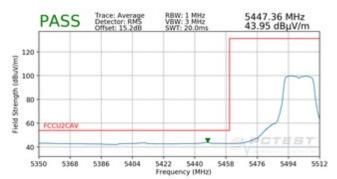




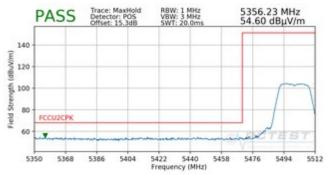
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Worst Case Mode:802.11aWorst Case Transfer Rate:6MbpsDistance of Measurements:3 MetersOperating Frequency:5500MHzChannel:100



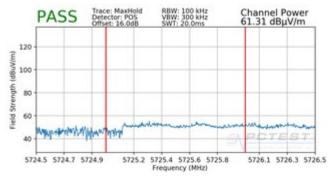
Plot 7-87. Radiated Lower Band Edge Plot (Average – UNII Band 2C)



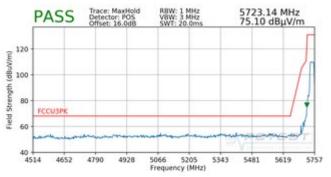
Plot 7-88. Radiated Lower Band Edge Plot (Peak – UNII Band 2C)

Worst Case Mode:	802.11a
Worst Case Transfer Rate:	6Mbps
Distance of Measurements:	3 Meters
Operating Frequency:	5700MHz
Channel:	140

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



Plot 7-89. Radiated Upper Band Edge Plot (Average – UNII Band 2C)

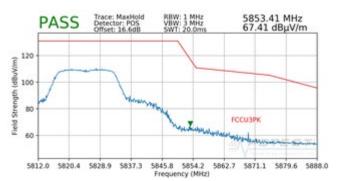


Plot 7-90. Radiated Lower Band Edge Plot (Peak – UNII Band 3)

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

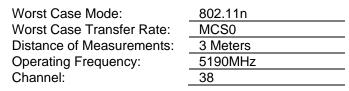


Plot 7-91. Radiated Upper Band Edge Plot (Peak – UNII Band 3)

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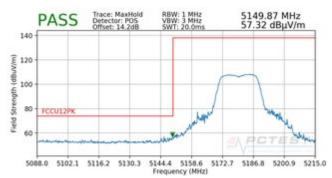


7.7.3 Radiated Band Edge Measurements (40MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

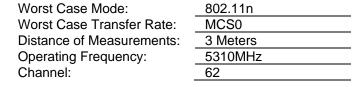




Plot 7-92. Radiated Lower Band Edge Plot (Average – UNII Band 1)

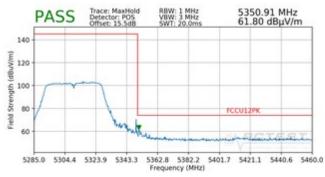


Plot 7-93. Radiated Lower Band Edge Plot (Peak – UNII Band 1)







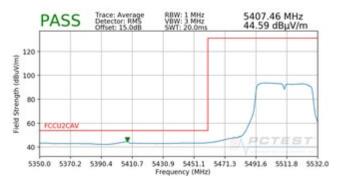




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Worst Case Mode:802.11nWorst Case Transfer Rate:MCS0Distance of Measurements:3 MetersOperating Frequency:5510MHzChannel:102



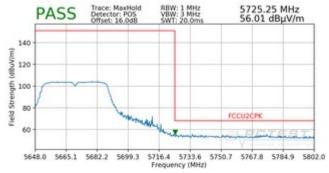


Plot 7-96. Radiated Lower Band Edge Plot (Average – UNII Band 2C)



Worst Case Mode:	802.11n
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	5670MHz
Channel:	134

Worst Case Mode:	802.11n
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	5755MHz
Channel:	151



Plot 7-98. Radiated Upper Band Edge Plot (Average – UNII Band 2C)

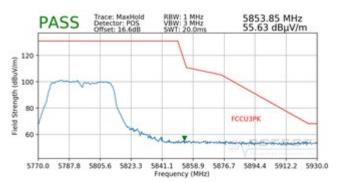


Plot 7-99. Radiated Lower Band Edge Plot (Peak – UNII Band 3)

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

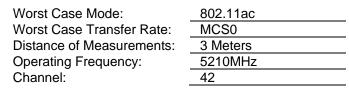


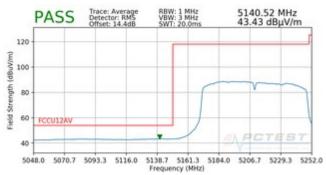
Plot 7-100. Radiated Upper Band Edge Plot (Peak – UNII Band 3)

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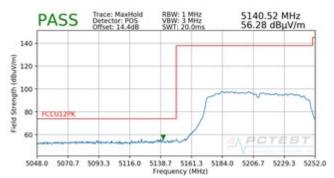


7.7.4 Radiated Band Edge Measurements (80MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

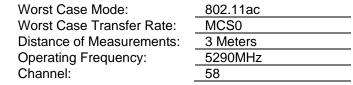


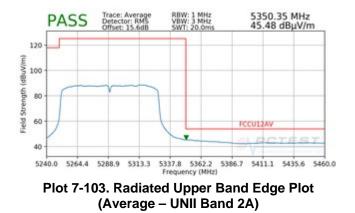


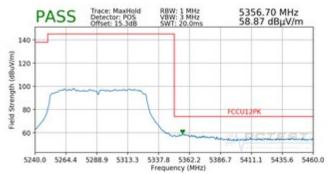
Plot 7-101. Radiated Lower Band Edge Plot (Average – UNII Band 1)











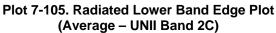


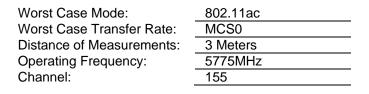
FCC ID: ZNFQ710US		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
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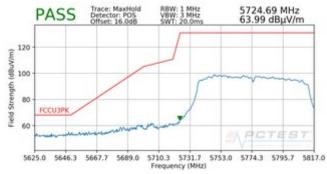


Worst Case Mode:802.11acWorst Case Transfer Rate:MCS0Distance of Measurements:3 MetersOperating Frequency:5530MHzChannel:106





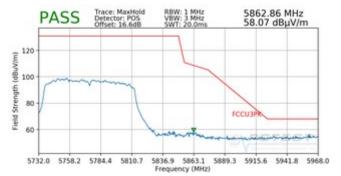




Plot 7-107. Radiated Lower Band Edge Plot (Peak – UNII Band 3)







Plot 7-108. Radiated Upper Band Edge Plot (Peak – UNII Band 3)

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7.7 Radiated Spurious Emissions Measurements – Below 1GHz §15.209; RSS-Gen [8.9]

Test Overview and Limit

All out of band radiated spurious emissions are measured with a spectrum analyzer connected to a receive antenna while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates and modes were investigated for radiated spurious emissions. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

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

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

Table 7-22. Radiated Limits

Test Procedures Used

ANSI C63.10-2013

Test Settings

Quasi-Peak Field Strength Measurements

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

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Test Setup

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

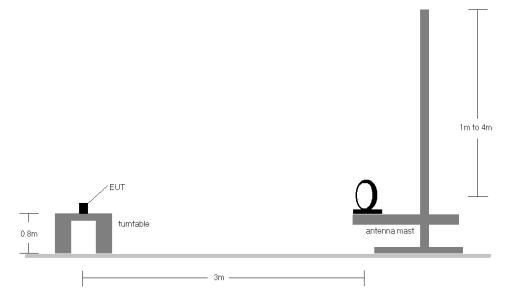
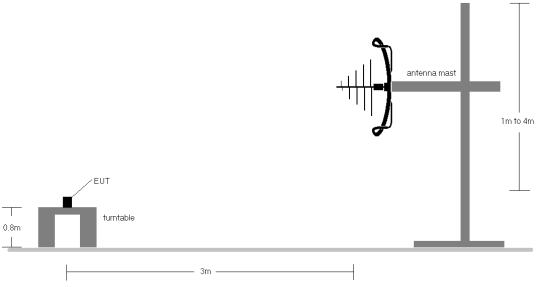
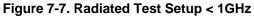


Figure 7-6. Radiated Test Setup < 30MHz





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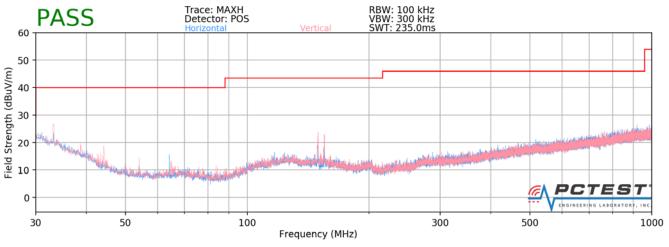


- 1. All emissions lying in restricted bands specified in §15.205 and RSS-Gen (8.10) are below the limit shown in Table 7-22.
- 2. The broadband receive antenna is manipulated through vertical and horizontal polarizations during the tests. The EUT is manipulated through three orthogonal planes.
- 3. This unit was tested with its standard battery.
- 4. The spectrum is investigated using a peak detector and final measurements are recorded using CISPR quasi peak detector. The worst-case emissions are reported however emissions whose levels were not within 20dB of the respective limits were not reported.
- 5. Emissions were measured at a 3 meter test distance.
- 6. Emissions are investigated while operating on the center channel of the mode, band, and modulation that produced the worst case results during the transmitter spurious emissions testing.
- 7. No spurious emissions were detected within 20dB of the limit below 30MHz.
- 8. The results recorded using the broadband antenna is known to correlate with the results obtained by using a tuned dipole with an acceptable degree of accuracy. The VSWR for the measurement antenna was found to be less than 2:1.
- The wide spectrum spurious emissions plots shown on the following pages are used only for the purpose of emission identification. There were no emissions detected in the 30MHz – 1GHz frequency range, as shown in the subsequent plots.

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Radiated Spurious Emissions Measurements (Below 1GHz) §15.209; RSS-Gen [8.9]



Plot 7-109. Radiated Spurious Plot below 1GHz (802.11a - U3 Ch. 157)

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7.8 Line-Conducted Test Data §15.407; RSS-Gen [8.8]

Test Overview and Limit

All AC line conducted spurious emissions are measured with a receiver connected to a grounded LISN while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates and modes were investigated for conducted spurious emissions. Only the conducted emissions of the configuration that produced the worst case emissions are reported in this section.

All conducted emissions must not exceed the limits shown in the table below, per Section 15.207 and RSS-Gen (8.8).

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

Table 7-23. Conducted Limits

*Decreases with the logarithm of the frequency.

Test Procedures Used

ANSI C63.10-2013, Section 6.2

Test Settings

Quasi-Peak Field Strength Measurements

- 1. Analyzer center frequency was set to the frequency of the spurious emission of interest
- 2. RBW = 9kHz (for emissions from 150kHz 30MHz)
- 3. Detector = quasi-peak
- 4. Sweep time = auto couple
- 5. Trace mode = max hold
- 6. Trace was allowed to stabilize

Average Field Strength Measurements

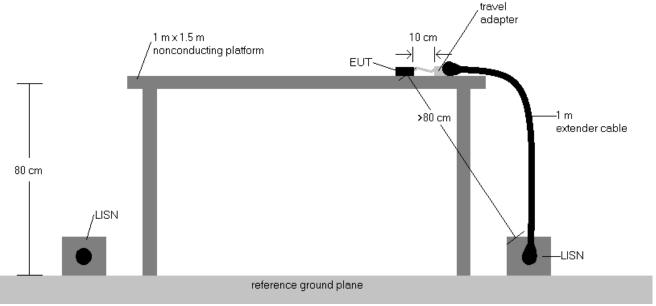
- 1. Analyzer center frequency was set to the frequency of the spurious emission of interest
- 2. RBW = 9kHz (for emissions from 150kHz 30MHz)
- 3. Detector = RMS
- 4. Sweep time = auto couple
- 5. Trace mode = max hold
- 6. Trace was allowed to stabilize

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Test Setup

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



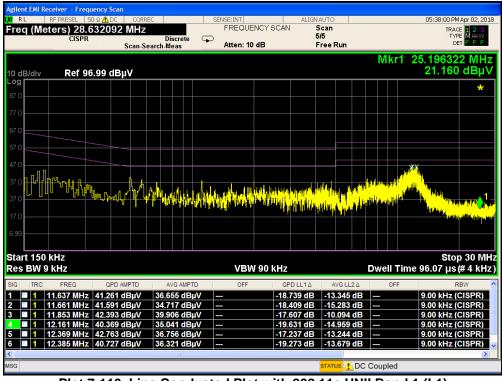


Test Notes

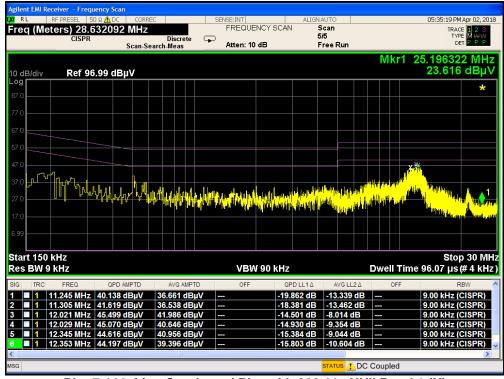
- 1. All modes of operation were investigated and the worst-case emissions are reported using mid channel. The emissions found were not affected by the choice of channel used during testing.
- 2. The limit for an intentional radiator from 150kHz to 30MHz are specified in 15.207 and RSS-Gen (8.8).
- 3. Corr. (dB) = Cable loss (dB) + LISN insertion factor (dB)
- 4. QP/AV Level (dB μ V) = QP/AV Analyzer/Receiver Level (dB μ V) + Corr. (dB)
- 5. Margin (dB) = QP/AV Limit (dB μ V) QP/AV Level (dB μ V)
- 6. Traces shown in plot are made using a peak detector.
- 7. Deviations to the Specifications: None.

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Plot 7-110. Line Conducted Plot with 802.11a UNII Band 1 (L1)



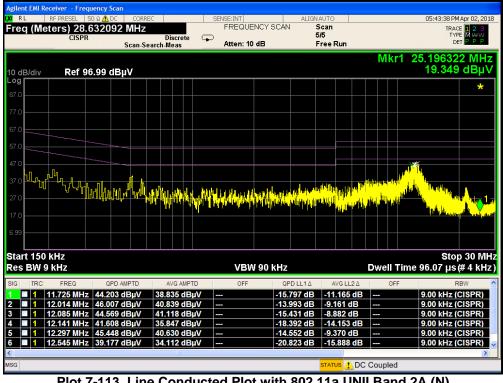
Plot 7-111. Line Conducted Plot with 802.11a UNII Band 1 (N)

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Plot 7-112. Line Conducted Plot with 802.11a UNII Band 2A (L1)



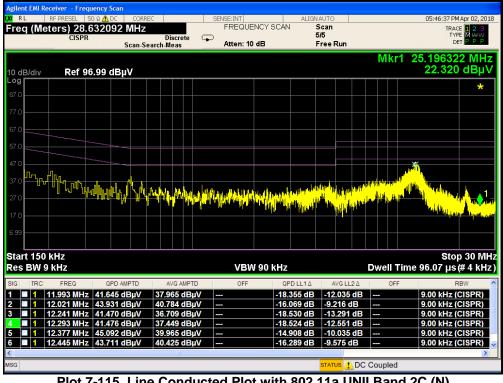
Plot 7-113. Line Conducted Plot with 802.11a UNII Band 2A (N)

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art 150 es BW 9	KHz KHz FREQ 11.557 MHz 11.693 MHz	QP 2 40.31 2 42.44	² D AMPT 11 dBµ 19 dBµ	μV μV	37.7 37.2	92 d 20 d	BµV BµV	₩		QF -19.1 -17.1	689 dB 551 dB	-12.2	08 dB 80 dB			:	96.07 9.00 kH 9.00 kH	RBW RBW IZ (CISPR IZ (CISPR
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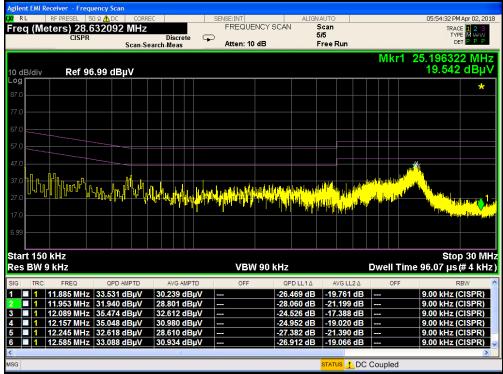
Plot 7-114. Line Conducted Plot with 802.11a UNII Band 2C (L1)



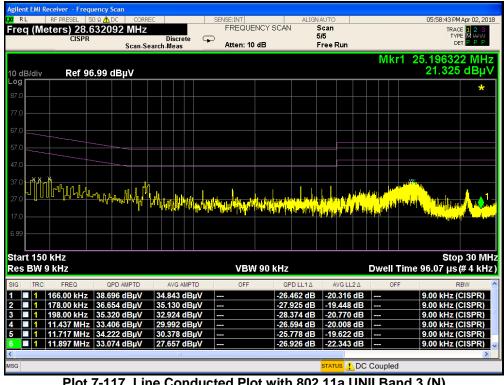
Plot 7-115. Line Conducted Plot with 802.11a UNII Band 2C (N)

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Plot 7-116. Line Conducted Plot with 802.11a UNII Band 3 (L1)



Plot 7-117. Line Conducted Plot with 802.11a UNII Band 3 (N)

FCC ID: ZNFQ710US		MEASUREMENT REPORT (CERTIFICATION)	🕒 LG	Approved by: Quality Manager
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8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the LG Portable Handset FCC ID: ZNFQ710US is in compliance with Part 15 Subpart E (15.407) of the FCC Rules.

FCC ID: ZNFQ710US		MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:		Dage 01 of 01
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