

Plot 7-117. Radiated Spurious Emissions 1-18GHz Antenna WF9 (1Mbps ePA - Ch. 39)

Bluetooth Mode: LE

Data Rate: 1Mbps

Power Scheme ePA

Distance of Measurements: 3 Meters

Operating Frequency: 2480MHz

Channel: 39

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
4960.00	Avg	-	-	-	-77.53	3.72	33.19	53.98	-20.79
4960.00	Peak	-	-	-	-66.04	3.72	44.68	73.98	-29.30
7440.00	Avg	-	•	-	-77.34	7.51	37.17	53.98	-16.81
7440.00	Peak	-	-	-	-65.78	7.51	48.73	73.98	-25.25
12400.00	Avg	-	-	-	-79.53	11.08	38.55	53.98	-15.43
12400.00	Peak	-	-	-	-67.85	11.08	50.23	73.98	-23.75

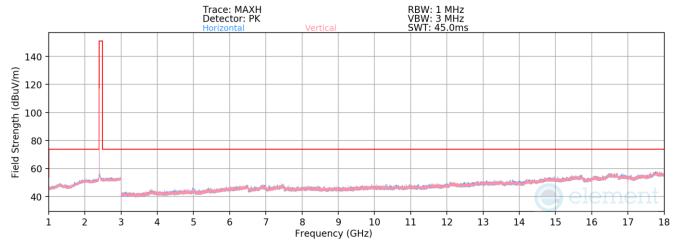
Table 7-26. Radiated Measurements Antenna WF9

FCC ID: BCGA2836 IC: 579C-A2836	element	element MEASUREMENT REPORT (CERTIFICATION)	
Test Report S/N:	Test Dates:	EUT Type:	Dogo 06 of 105
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# 7.7.4 Radiated Spurious Emission Measurements (1-18GHz) §15.205 §15.209 §15.247(d); RSS-Gen [8.9]

### **TxBF**



Plot 7-118. Radiated Spurious Emissions 1-18GHz TxBF (1Mbps, ePA - Ch. 0)

Bluetooth Mode: LE

Data Rate: 1Mbps

Power Scheme ePA

Distance of Measurements: 3 Meters

Operating Frequency: 2402MHz

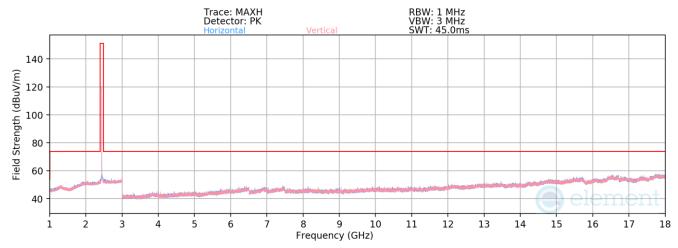
Channel: 0

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
4804.00	Avg	-	•	-	-77.19	3.44	33.25	53.98	-20.73
4804.00	Peak	-	1	-	-64.95	3.44	45.49	73.98	-28.49
12010.00	Avg	-	•	-	-79.53	10.65	38.12	53.98	-15.86
12010.00	Peak	-	-	-	-67.55	10.65	50.10	73.98	-23.88

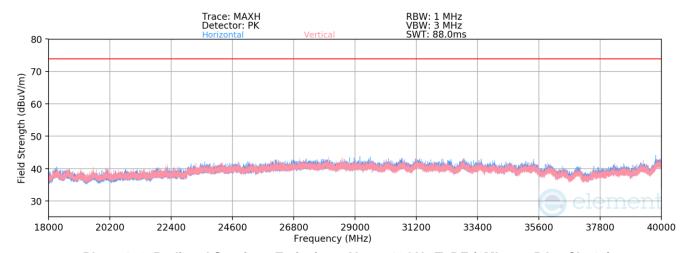
Table 7-27. Radiated Measurements TxBF

FCC ID: BCGA2836 IC: 579C-A2836	element	element MEASUREMENT REPORT (CERTIFICATION)	
Test Report S/N:	Test Dates:	EUT Type:	Dogo 07 of 105
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Plot 7-119. Radiated Spurious Emissions 1-18GHz TxBF (1Mbps, ePA - Ch. 19)



Plot 7-120. Radiated Spurious Emissions Above 18GHz TxBF (1Mbps, ePA - Ch. 19)

FCC ID: BCGA2836 IC: 579C-A2836	element	element MEASUREMENT REPORT (CERTIFICATION)	
Test Report S/N:	Test Dates:	EUT Type:	Dogo 00 of 105
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Bluetooth Mode: LE

Data Rate: 1Mbps

Power Scheme ePA

Distance of Measurements: 3 Meters

Operating Frequency: 2440MHz

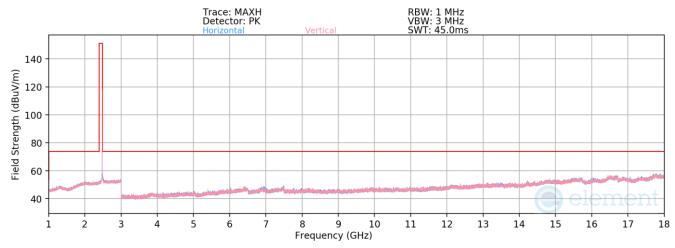
Channel: 19

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
4880.00	Avg	-	•	-	-76.64	3.32	33.68	53.98	-20.30
4880.00	Peak	-	•	-	-64.81	3.32	45.51	73.98	-28.47
7320.00	Avg	-	-	-	-77.48	7.40	36.92	53.98	-17.06
7320.00	Peak	-	•	-	-65.79	7.40	48.61	73.98	-25.37
12200.00	Avg	-	•	-	-78.95	10.60	38.65	53.98	-15.33
12200.00	Peak	-	-	-	-67.46	10.60	50.14	73.98	-23.84

Table 7-28. Radiated Measurements TxBF

FCC ID: BCGA2836 IC: 579C-A2836	element	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dogg 00 of 105
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Plot 7-121. Radiated Spurious Emissions 1-18GHz TxBF (1Mbps ePA - Ch. 39)

Bluetooth Mode: LE

Data Rate: 1Mbps

Power Scheme ePA

Distance of Measurements: 3 Meters

Operating Frequency: 2480MHz

Channel: 39

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
4960.00	Avg	-	-	-	-77.58	3.72	33.14	53.98	-20.84
4960.00	Peak	-	-	-	-65.41	3.72	45.31	73.98	-28.67
7440.00	Avg	-	-	-	-77.54	7.51	36.97	53.98	-17.01
7440.00	Peak	-	-	-	-65.23	7.51	49.28	73.98	-24.70
12400.00	Avg	-	-	-	-79.60	11.08	38.48	53.98	-15.50
12400.00	Peak	-	-	-	-67.94	11.08	50.14	73.98	-23.84

Table 7-29. Radiated Measurements TxBF

FCC ID: BCGA2836 IC: 579C-A2836	element	element MEASUREMENT REPORT (CERTIFICATION)	
Test Report S/N:	Test Dates:	EUT Type:	Dogg 100 of 105
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### **Antenna WF8**

Bluetooth Mode:

LE

Data Rate:

1Mbps

Power Scheme:

ePA

Measurement Distance:

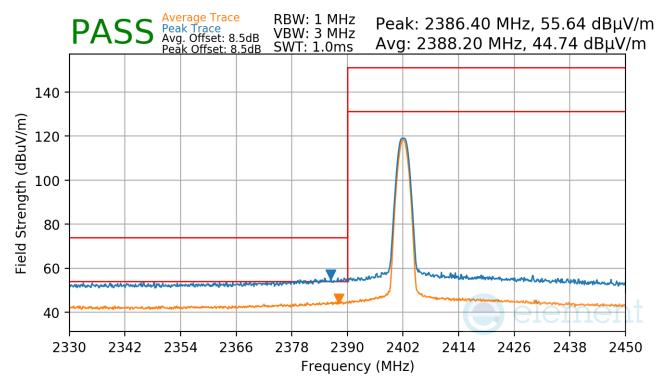
3 Meters

Operating Frequency:

2402MHz

Channel:

0



Plot 7-122. Radiated Restricted Lower Band Edge Measurement Antenna WF8 (Average & Peak)

FCC ID: BCGA2836 IC: 579C-A2836	element	element MEASUREMENT REPORT (CERTIFICATION)	
Test Report S/N:	Test Dates:	EUT Type:	Dogg 404 of 405
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Bluetooth Mode:

LE

Data Rate:

1Mbps

Power Scheme:

ePA

Measurement Distance:

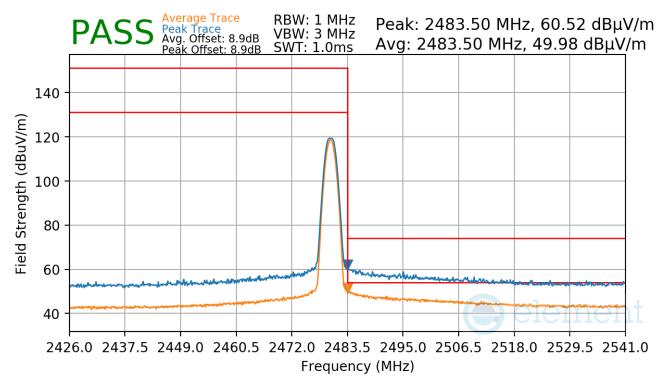
3 Meters

Operating Frequency:

2480MHz

Channel:

39



Plot 7-123. Radiated Restricted Upper Band Edge Measurement Antenna WF8 (Average & Peak)

FCC ID: BCGA2836 IC: 579C-A2836	element	element MEASUREMENT REPORT (CERTIFICATION)	
Test Report S/N:	Test Dates:	EUT Type:	Dogg 400 of 405
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Bluetooth Mode:

LE

Data Rate:

2Mbps

Power Scheme:

ePA

Measurement Distance:

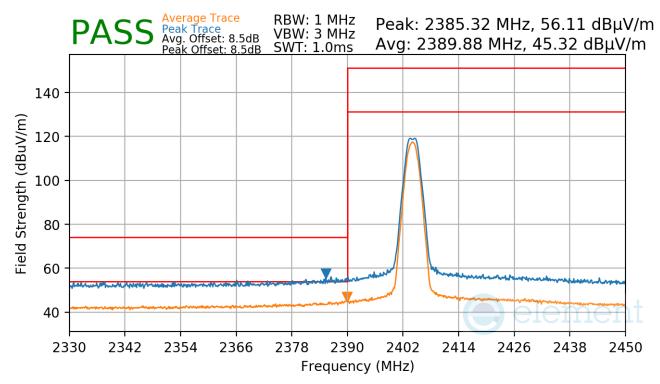
3 Meters

Operating Frequency:

2404MHz

Channel:

1



Plot 7-124. Radiated Restricted Lower Band Edge Measurement Antenna WF8 (Average & Peak)

FCC ID: BCGA2836 IC: 579C-A2836	element	element MEASUREMENT REPORT (CERTIFICATION)	
Test Report S/N:	Test Dates:	EUT Type:	Dogg 102 of 125
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Bluetooth Mode:

LE

Data Rate:

2Mbps

Power Scheme:

ePA

Measurement Distance:

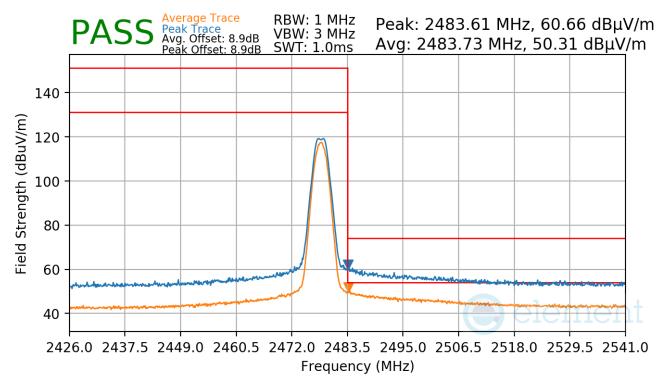
3 Meters

Operating Frequency:

2478MHz

Channel:

38



Plot 7-125. Radiated Restricted Upper Band Edge Measurement Antenna WF8 (Average & Peak)

FCC ID: BCGA2836 IC: 579C-A2836	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogg 404 of 405
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#### **Antenna WF7**

Bluetooth Mode:

LE

Data Rate:

1Mbps

Power Scheme:

ePA

Measurement Distance:

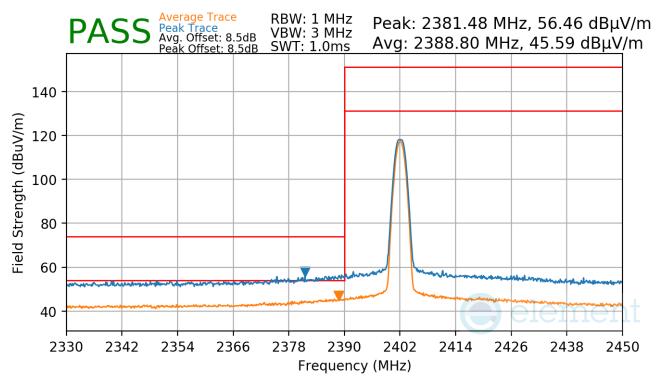
3 Meters

Operating Frequency:

2402MHz

Channel:

0



Plot 7-126. Radiated Restricted Lower Band Edge Measurement Antenna WF7 (Average & Peak)

FCC ID: BCGA2836 IC: 579C-A2836	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogg 405 of 405
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Bluetooth Mode:

LE

Data Rate:

1Mbps

Power Scheme:

ePA

Measurement Distance:

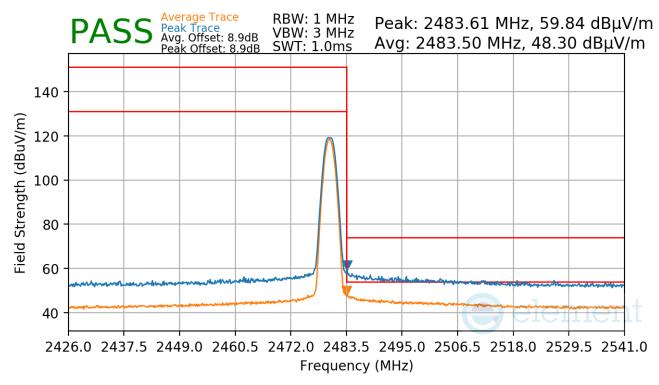
3 Meters

Operating Frequency:

2480MHz

Channel:

39



Plot 7-127. Radiated Restricted Upper Band Edge Measurement Antenna WF7 (Average & Peak)

FCC ID: BCGA2836 IC: 579C-A2836	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogg 100 of 105
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Bluetooth Mode:

LE

Data Rate:

2Mbps

Power Scheme:

ePA

Measurement Distance:

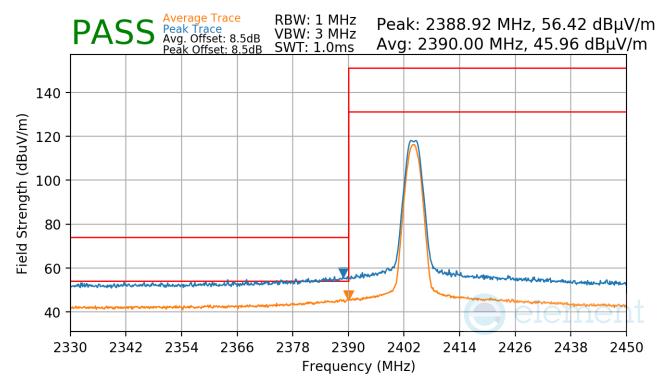
3 Meters

Operating Frequency:

2404MHz

Channel:

1



Plot 7-128. Radiated Restricted Lower Band Edge Measurement Antenna WF7 (Average & Peak)

FCC ID: BCGA2836 IC: 579C-A2836	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogg 407 of 405
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Bluetooth Mode:

LE

Data Rate:

2Mbps

Power Scheme:

ePA

Measurement Distance:

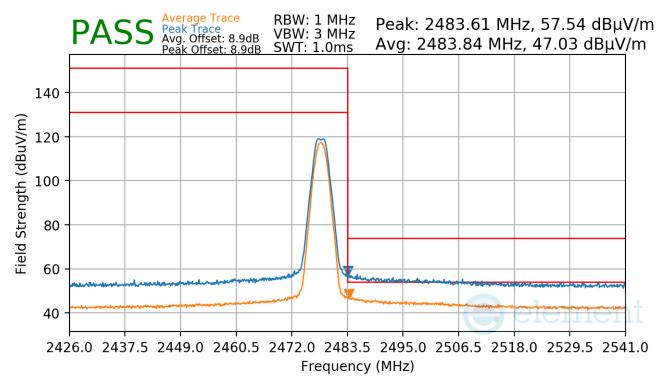
3 Meters

Operating Frequency:

2478MHz

Channel:

38



Plot 7-129. Radiated Restricted Upper Band Edge Measurement Antenna WF7 (Average & Peak)

FCC ID: BCGA2836 IC: 579C-A2836	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogg 100 of 105
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#### **Antenna WF9**

Bluetooth Mode:

LE

Data Rate:

1Mbps

Power Scheme:

ePA

Measurement Distance:

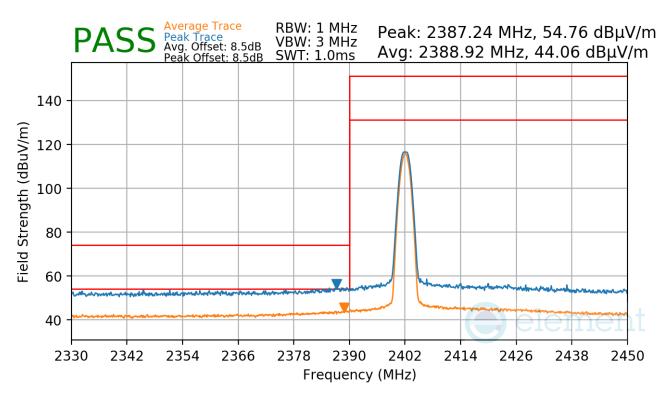
3 Meters

Operating Frequency:

2402MHz

Channel:

0



Plot 7-130. Radiated Restricted Lower Band Edge Measurement Antenna WF9 (Average & Peak)

FCC ID: BCGA2836 IC: 579C-A2836	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogg 400 of 405
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Bluetooth Mode:

LE

Data Rate:

1Mbps

Power Scheme:

ePA

Measurement Distance:

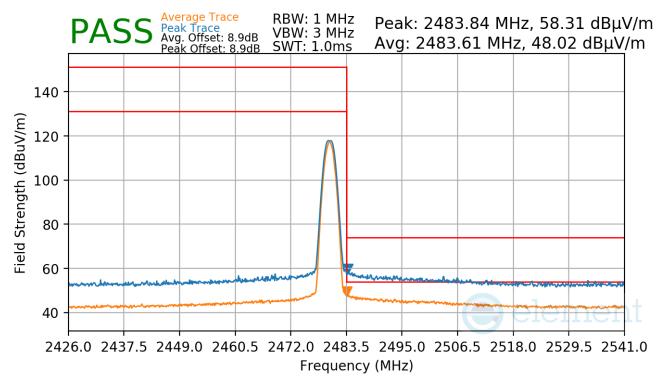
3 Meters

Operating Frequency:

2480MHz

Channel:

39



Plot 7-131. Radiated Restricted Upper Band Edge Measurement Antenna WF9 (Average & Peak)

FCC ID: BCGA2836 IC: 579C-A2836	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogg 440 of 405
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Bluetooth Mode:

LE

Data Rate:

2Mbps

Power Scheme:

ePA

Measurement Distance:

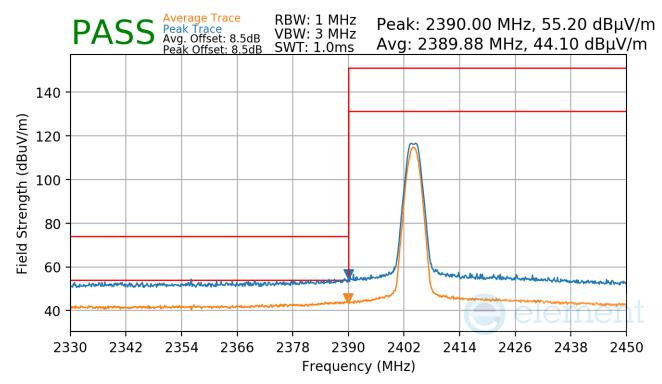
3 Meters

Operating Frequency:

2404MHz

Channel:

1



Plot 7-132. Radiated Restricted Lower Band Edge Measurement Antenna WF9 (Average & Peak)

FCC ID: BCGA2836 IC: 579C-A2836	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 444 of 405
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Bluetooth Mode:

LE

Data Rate:

2Mbps

Power Scheme:

ePA

Measurement Distance:

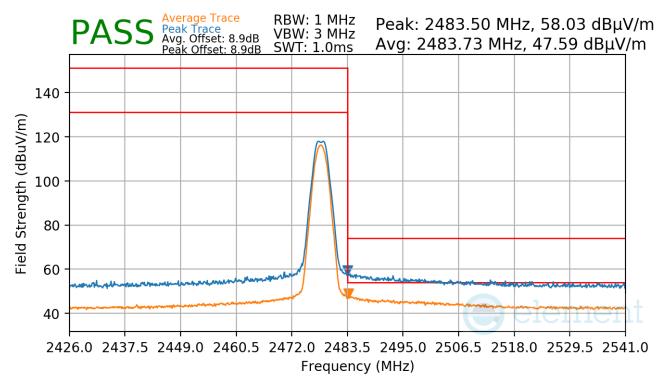
3 Meters

Operating Frequency:

2478MHz

Channel:

38



Plot 7-133. Radiated Restricted Upper Band Edge Measurement Antenna WF9 (Average & Peak)

FCC ID: BCGA2836 IC: 579C-A2836	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 440 of 405
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### **TxBF**

Bluetooth Mode:

LE

Data Rate:

1Mbps

Power Scheme:

ePA

Measurement Distance:

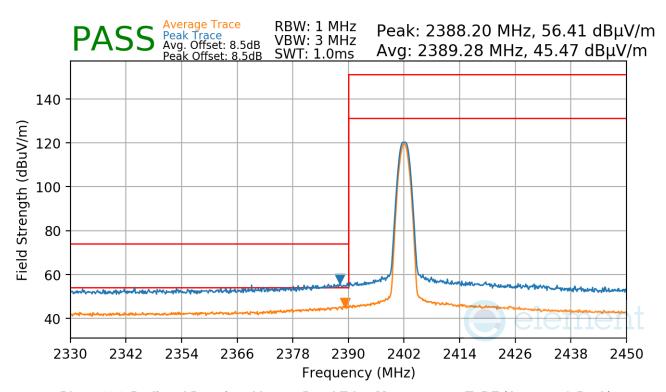
3 Meters

Operating Frequency:

2402MHz

Channel:

0



Plot 7-134. Radiated Restricted Lower Band Edge Measurement TxBF (Average & Peak)

FCC ID: BCGA2836 IC: 579C-A2836	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogg 442 of 425
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Bluetooth Mode:

LE

Data Rate:

1Mbps

Power Scheme:

ePA

Measurement Distance:

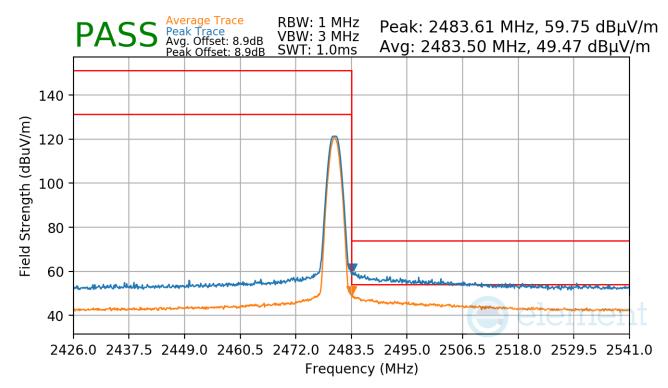
3 Meters

Operating Frequency:

2480MHz

Channel:

39



Plot 7-135. Radiated Restricted Upper Band Edge Measurement TxBF (Average & Peak)

FCC ID: BCGA2836 IC: 579C-A2836	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 444 of 405
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Bluetooth Mode:

LE

Data Rate:

2Mbps

Power Scheme:

ePA

Measurement Distance:

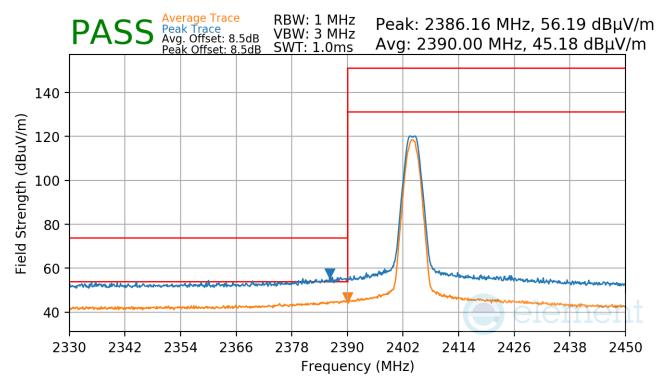
3 Meters

Operating Frequency:

2404MHz

Channel:

1



Plot 7-136. Radiated Restricted Lower Band Edge Measurement TxBF (Average & Peak)

FCC ID: BCGA2836 IC: 579C-A2836	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogg 445 of 405
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Bluetooth Mode:

LE

Data Rate:

2Mbps

Power Scheme:

ePA

Measurement Distance:

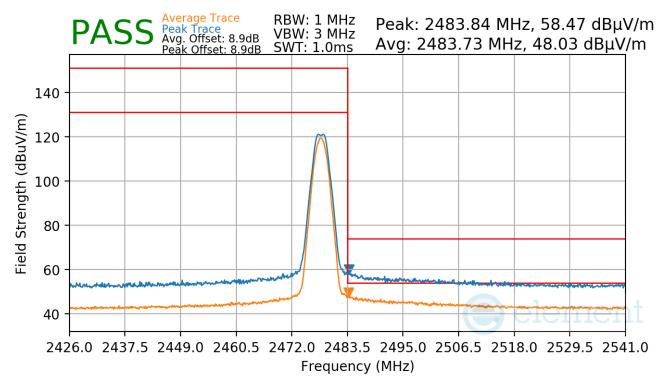
3 Meters

Operating Frequency:

2478MHz

Channel:

38



Plot 7-137. Radiated Restricted Upper Band Edge Measurement TxBF (Average & Peak)

FCC ID: BCGA2836 IC: 579C-A2836	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 446 of 405
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### 7.8 Radiated Spurious Emissions – 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 7 of RSS-Gen (8.10) must not exceed the limits shown in Table 7-30 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 7-30. 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

#### **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. VBW = 300kHz
- 4. Detector = peak
- 5. Sweep time = auto couple
- 6. Trace mode = max hold
- 7. Trace was allowed to stabilize

FCC ID: BCGA2836 IC: 579C-A2836	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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### **Test Setup**

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

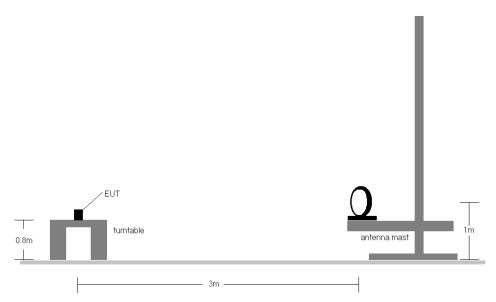


Figure 7-7. Radiated Test Setup < 30MHz

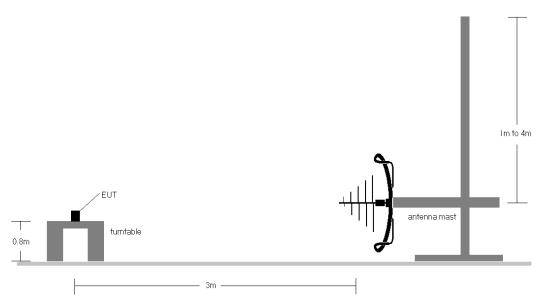


Figure 7-8. Radiated Test Setup < 1GHz

FCC ID: BCGA2836 IC: 579C-A2836	element	element MEASUREMENT REPORT (CERTIFICATION)	
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#### **Test Notes**

- 1. All emissions lying in restricted bands specified in §15.205 and RSS-Gen(8.10) are below the limit shown in Table 7-30.
- The broadband receive antenna is manipulated through vertical and horizontal polarizations during the
  tests. The EUT is manipulated through three orthogonal planes. For below 30MHz the loop antenna was
  positioned in 3 orthogonal planes (X front, Y side, Z top) to determine the orientation resulting in the worst
  case emissions.
- 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 on emissions that were within 6dB of the limit.
- 5. Emissions were measured at a 3 meter test distance.
- 6. Emissions are investigated while operating on the center channel of the mode, band, and modulation that produced the worst case results during the transmitter spurious emissions testing.
- 7. No spurious emissions were detected within 20dB of the limit below 30MHz.
- 8. The results recorded using the broadband antenna is known to correlate with the results obtained by using a tuned dipole with an acceptable degree of accuracy. The VSWR for the measurement antenna was found to be less than 2:1.
- 9. All supported modulation, antenna (including TxBF mode) and power schemes have been tested on the unit and only worst case configuration is reported.
- 10. Both configurations below were investigated, and the worst case has been reported.
  - a. EUT powered by AC/DC adaptor via USB-C cable with wire charger
  - b. EUT powered by host PC via USB-C cable with wire charger

#### **Sample Calculations**

#### **Determining Spurious Emissions Levels**

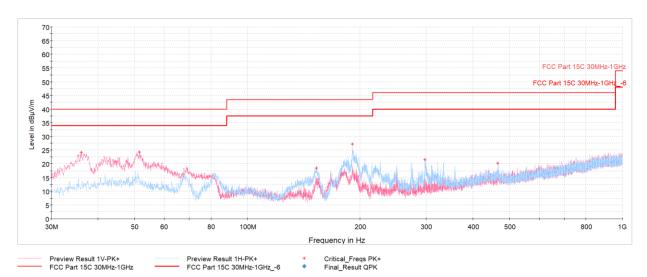
- Field Strength Level [dBμV/m] = Analyzer Level [dBm] + 107 + AFCL [dB/m]
- O AFCL [dB/m] = Antenna Factor [dB/m] + Cable Loss [dB] Preamplifier Gain [dB]
- Margin [dB] = Field Strength Level [dBμV/m] Limit [dBμV/m]

FCC ID: BCGA2836 IC: 579C-A2836	element	element MEASUREMENT REPORT (CERTIFICATION)	
Test Report S/N:	Test Dates:	EUT Type:	Dogg 110 of 105
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### 7.8.1 Radiated Spurious Emissions Measurements (Below 1GHz) §15.209; RSS-Gen [8.9]

### **TxBF**



Plot 7-138. Radiated Spurious Emissions Below 1GHz TxBF (1Mbps, ePA - Ch.19, Pol. H & V, with AC/DC Adapter)

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
36.11	Max-Peak	V	100	310	-67.42	-15.44	24.14	40.00	-15.86
51.58	Max-Peak	٧	100	0	-69.61	-13.12	24.27	40.00	-15.73
152.85	Max-Peak	Н	200	238	-68.43	-20.06	18.51	43.52	-25.01
190.49	Max-Peak	Н	100	219	-62.37	-17.43	27.20	43.52	-16.32
297.72	Max-Peak	Η	100	22	-70.87	-14.55	21.58	46.02	-24.44
465.05	Max-Peak	Η	200	59	-76.00	-10.74	20.26	46.02	-25.76

Table 7-31. Radiated Spurious Emissions Below 1GHz TxBF (1Mbps, ePA - Ch.19, Pol. H & V, with AC/DC Adapter)

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### 7.9 AC Line-Conducted Emissions Measurement §15.207; 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 AC Line conducted spurious emissions. Only the conducted emissions of the configuration that produced the worst case emissions are reported in this section.

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

Frequency of emission (MHz)	Conducted Limit (dBμV)			
(1411-12)	Quasi-peak	Average		
0.15 – 0.5	66 to 56*	56 to 46*		
0.5 – 5	56	46		
5 – 30	60	50		

Table 7-32. Conducted Limits

#### **Test Procedures Used**

ANSI C63.10-2013, Subclause 6.2

#### **Test Settings**

### **Quasi-Peak Measurements**

- 1. Analyzer center frequency was set to the frequency of the spurious emission of interest
- 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 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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<sup>\*</sup>Decreases with the logarithm of the frequency.



#### **Test Setup**

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

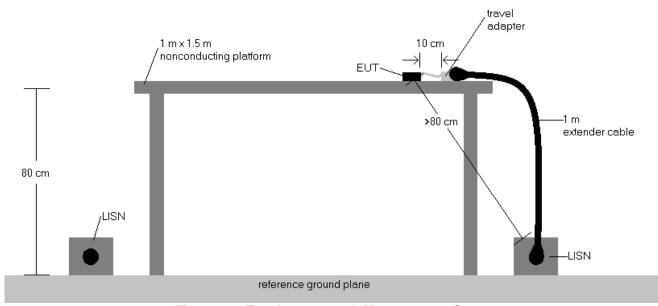


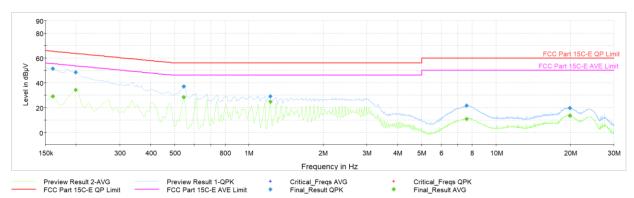
Figure 7-9. Test Instrument & Measurement Setup

#### **Test Notes**

- 1. All modes of operation were investigated and the worst-case emissions are reported. The emissions found were not affected by the choice of channel used during testing.
- 2. Both configurations below were investigated, and the worst case has been reported.
  - a. EUT powered by AC/DC adaptor via USB-C cable with wire charger
  - b. EUT powered by host PC via USB-C cable with wire charger
- 3. The limit for an intentional radiator from 150kHz to 30MHz are specified in Part 15.207 and RSS-Gen (8.8).
- 4. Corr. (dB) = Cable loss (dB) + LISN insertion factor (dB)
- 5. QP/AV Level (dB $\mu$ V) = QP/AV Analyzer/Receiver Level (dB $\mu$ V) + Correction Factor (dB)
- 6. Margin (dB) = QP/AV Level (dB $\mu$ V) QP/AV Limit (dB $\mu$ V)
- 7. Traces shown in plot are made using a quasi peak and average detectors.
- 8. Deviations to the Specifications: None.

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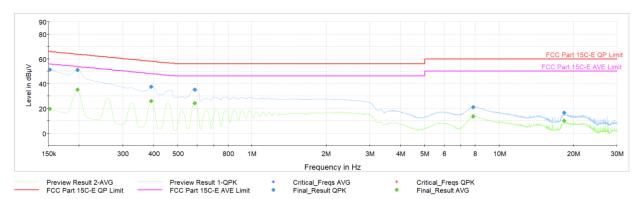
Plot 7-139. AC Line Conducted Plot with Bluetooth LE TxBF (L1, 1Mbps ePA - Ch.19 with Laptop)

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Averaqe [dBµV]	Limit [dBµV]	Marqin [dB]	Line	PE
0.161	FINAL	_	29.17	55.40	-26.23	L1	GND
0.161	FINAL	51.37		65.40	-14.03	L1	GND
0.200	FINAL	_	34.07	53.63	-19.56	L1	GND
0.200	FINAL	48.36		63.63	-15.28	L1	GND
0.546	FINAL	_	28.29	46.00	-17.71	L1	GND
0.546	FINAL	37.17		56.00	-18.83	L1	GND
1.223	FINAL	29.03	_	56.00	-26.97	L1	GND
1.223	FINAL	_	25.00	46.00	-21.00	L1	GND
7.609	FINAL	21.56	_	60.00	-38.44	L1	GND
7.609	FINAL	_	11.00	50.00	-39.00	L1	GND
19.910	FINAL	_	13.41	50.00	-36.59	L1	GND
19.910	FINAL	19.71	_	60.00	-40.29	L1	GND

Table 7-33. AC Line Conducted Data with Bluetooth LE TxBF (L1, 1Mbps ePA - Ch.19 with Laptop)

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Plot 7-140. AC Line Conducted Plot with Bluetooth LE TxBF (N, 1Mbps ePA - Ch.19, with Laptop)

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dB <b>µ</b> V]	Limit [dBµV]	Marqin [dB]	Line	PE
0.152	FINAL	_	19.59	55.88	-36.29	N	GND
0.152	FINAL	51.20	_	65.88	-14.67	Ν	GND
0.197	FINAL	_	35.01	53.73	-18.71	N	GND
0.197	FINAL	50.95	_	63.73	-12.78	N	GND
0.391	FINAL	_	25.93	48.05	-22.12	N	GND
0.391	FINAL	37.31		58.05	-20.74	Ν	GND
0.589	FINAL	35.04	_	56.00	-20.96	N	GND
0.589	FINAL	_	24.21	46.00	-21.79	N	GND
7.872	FINAL	20.94		60.00	-39.06	N	GND
7.872	FINAL	_	13.48	50.00	-36.52	N	GND
18.366	FINAL	_	10.07	50.00	-39.93	N	GND
18.366	FINAL	16.42	_	60.00	-43.58	Ν	GND

Table 7-34. AC Line Conducted Data with Bluetooth LE TxBF (N, 1Mbps ePA - Ch.19 with Laptop)

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### 8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Apple Tablet Device FCC ID: BCGA2836 and IC: 579C-A2836** is in compliance with Part 15 Subpart C (15.247) of the FCC Rules and RSS-247 of the Innovation, Science and Economic Development Canada Rules.

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