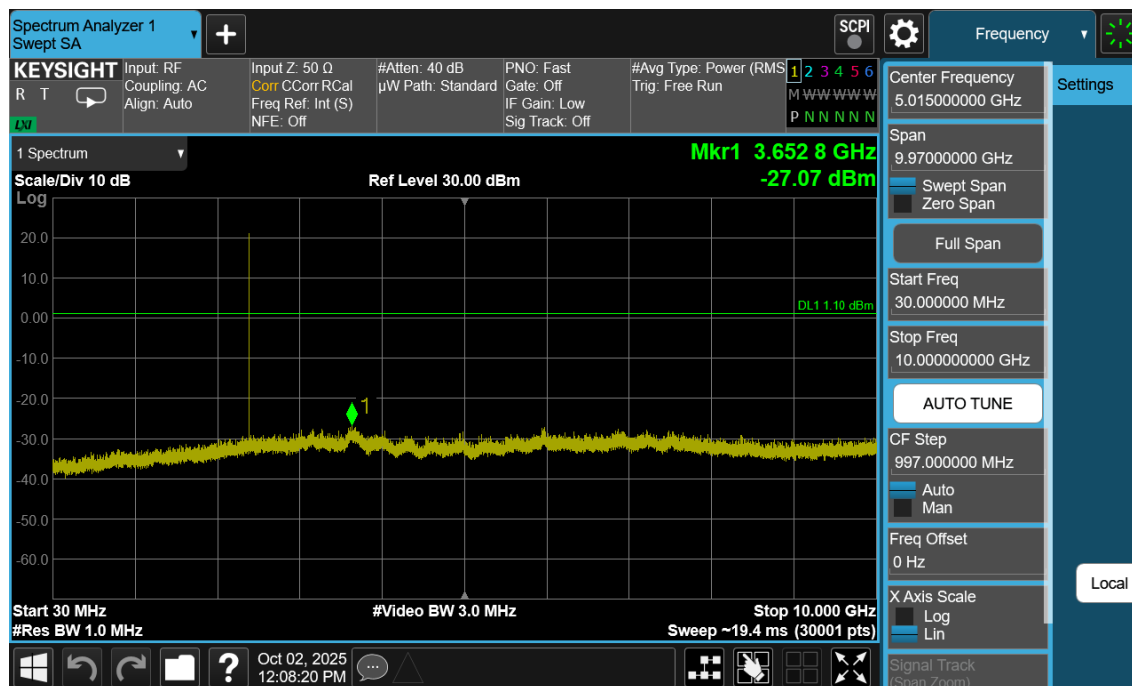
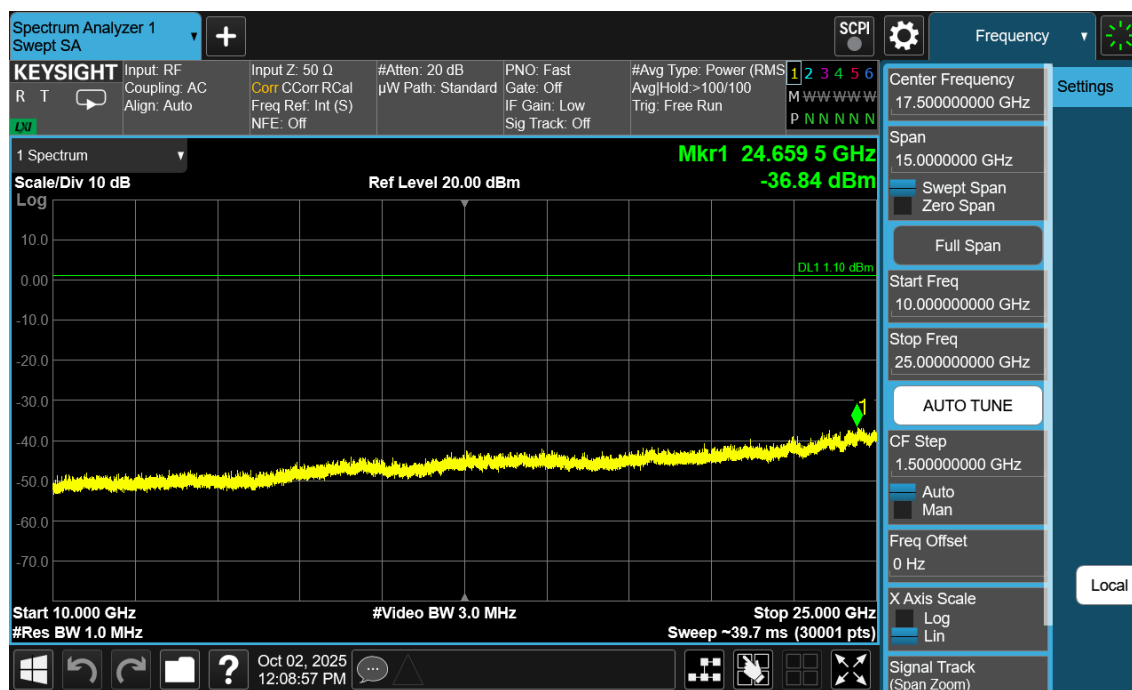


7.8.1 Antenna WF7b



Plot 7-45. Conducted Spurious Plot Antenna WF7b (Bluetooth, GFSK, ePA – Ch. 0)

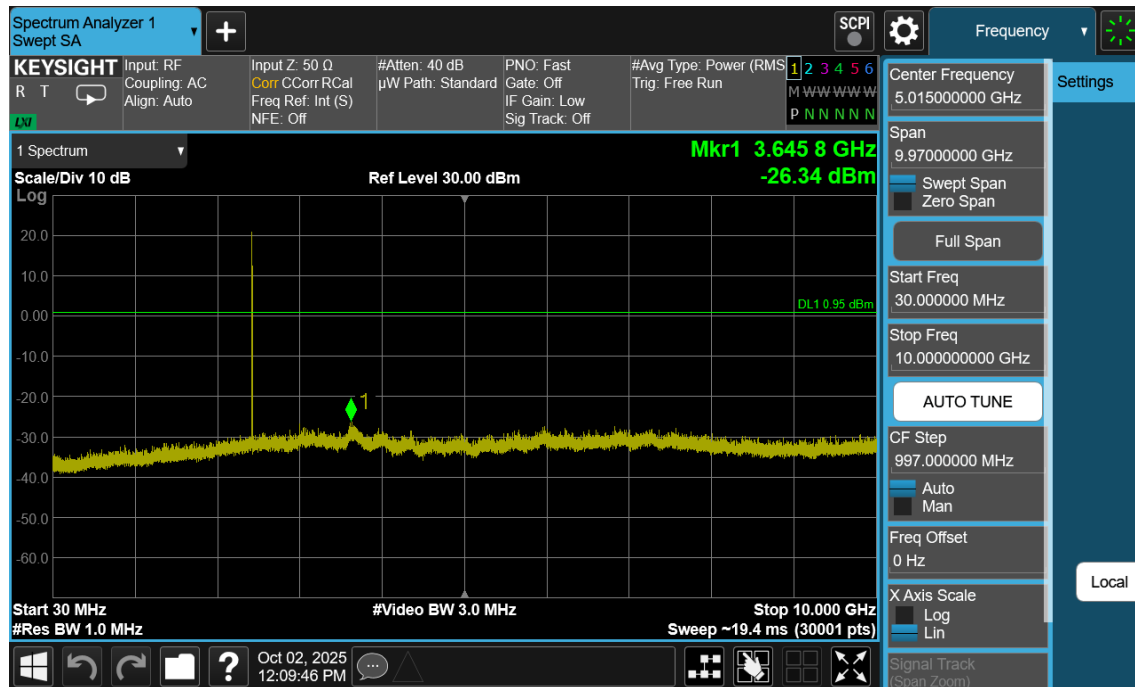


Plot 7-46. Conducted Spurious Plot Antenna WF7b (Bluetooth, GFSK, ePA – Ch. 0)

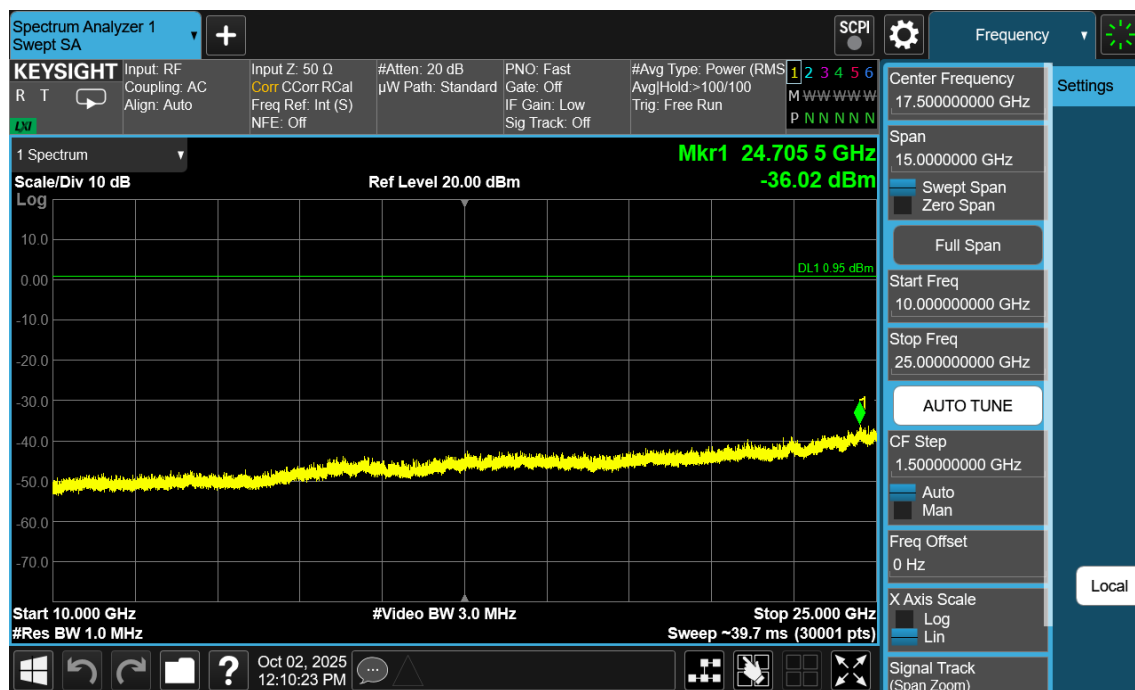
FCC ID: BCGA3461 IC: 579C-A3461		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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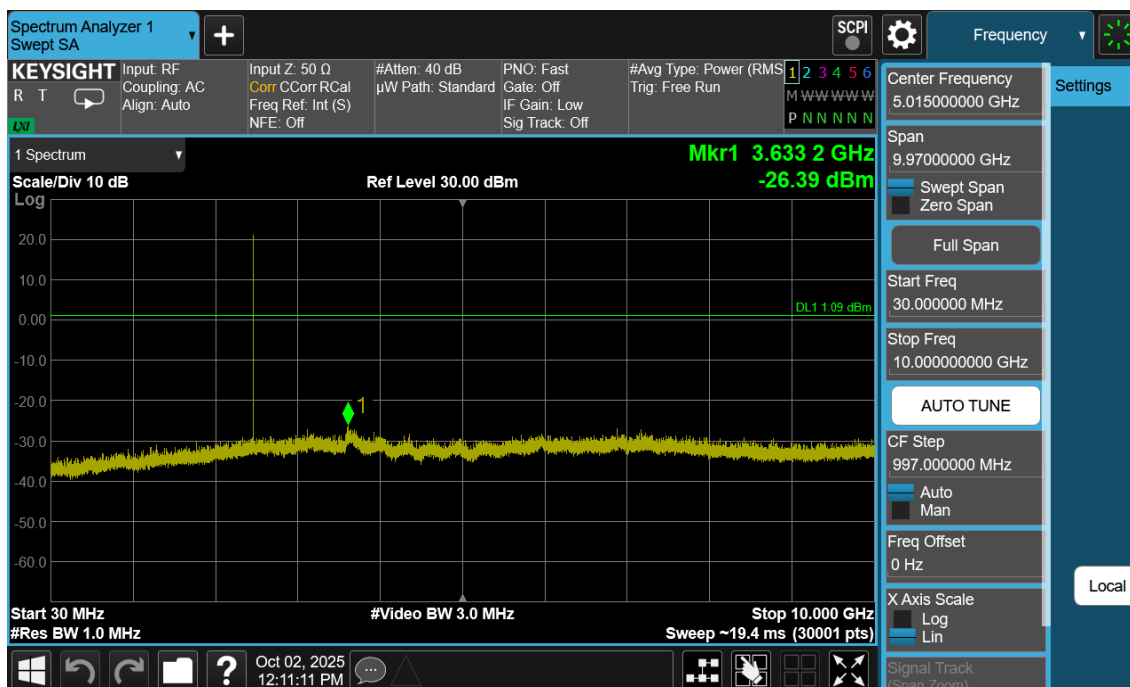


Plot 7-47. Conducted Spurious Plot Antenna WF7b (Bluetooth, GFSK, ePA – Ch. 39)

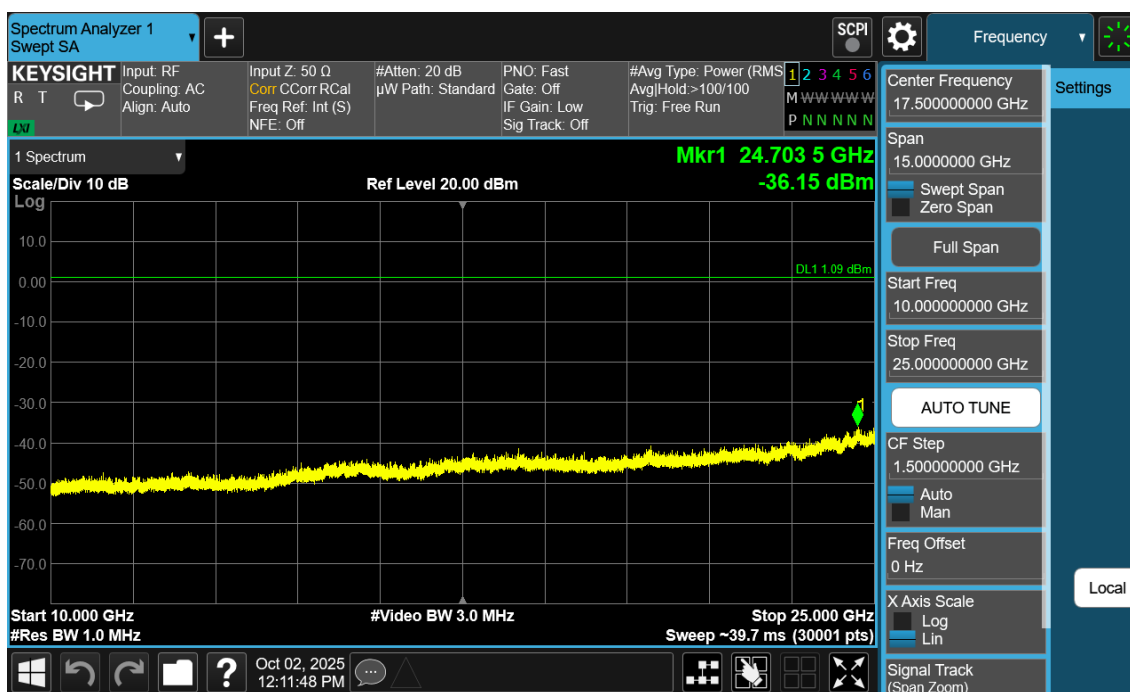


Plot 7-48. Conducted Spurious Plot Antenna WF7b (Bluetooth, GFSK, ePA Ch. 39)

FCC ID: BCGA3461 IC: 579C-A3461		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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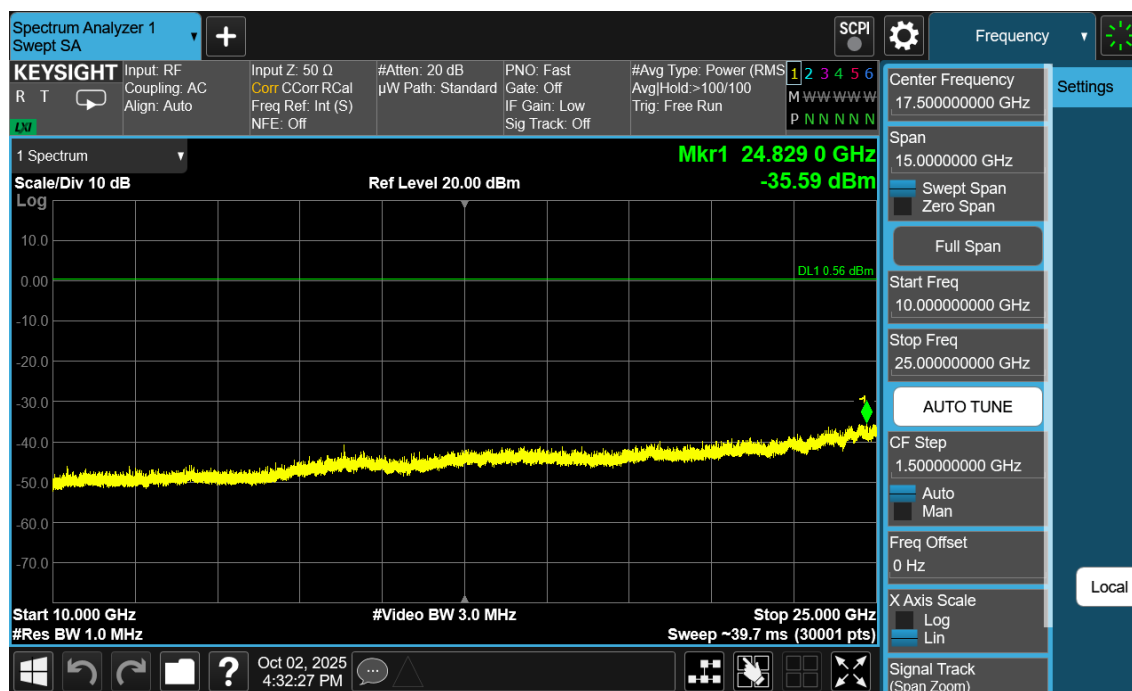
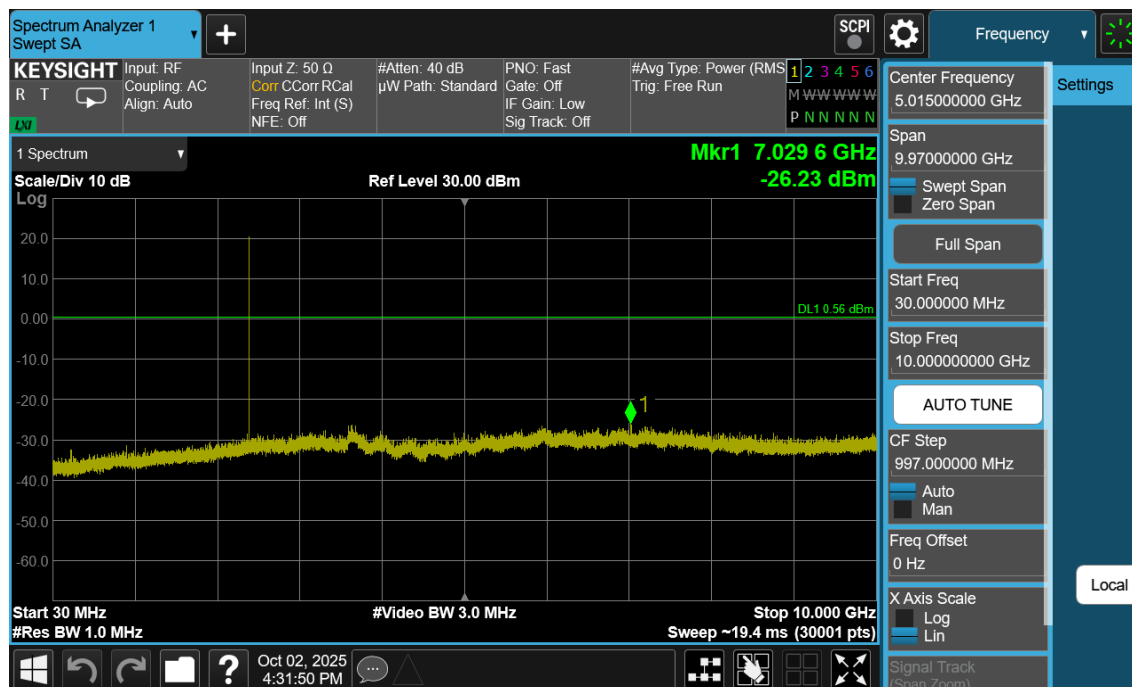
Plot 7-49. Conducted Spurious Plot Antenna WF7b (Bluetooth, GFSK, ePA – Ch. 78)



Plot 7-50. Conducted Spurious Plot Antenna WF7b (Bluetooth, GFSK, ePA – Ch. 78)

FCC ID: BCGA3461 IC: 579C-A3461		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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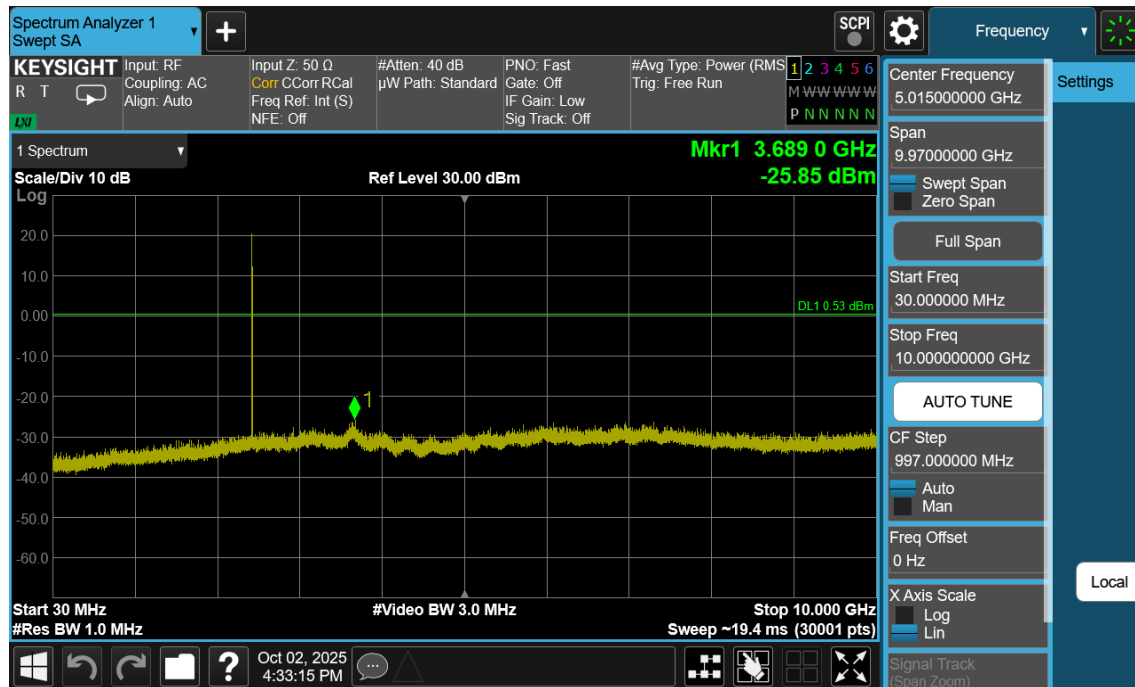
7.8.2 Antenna WF2b



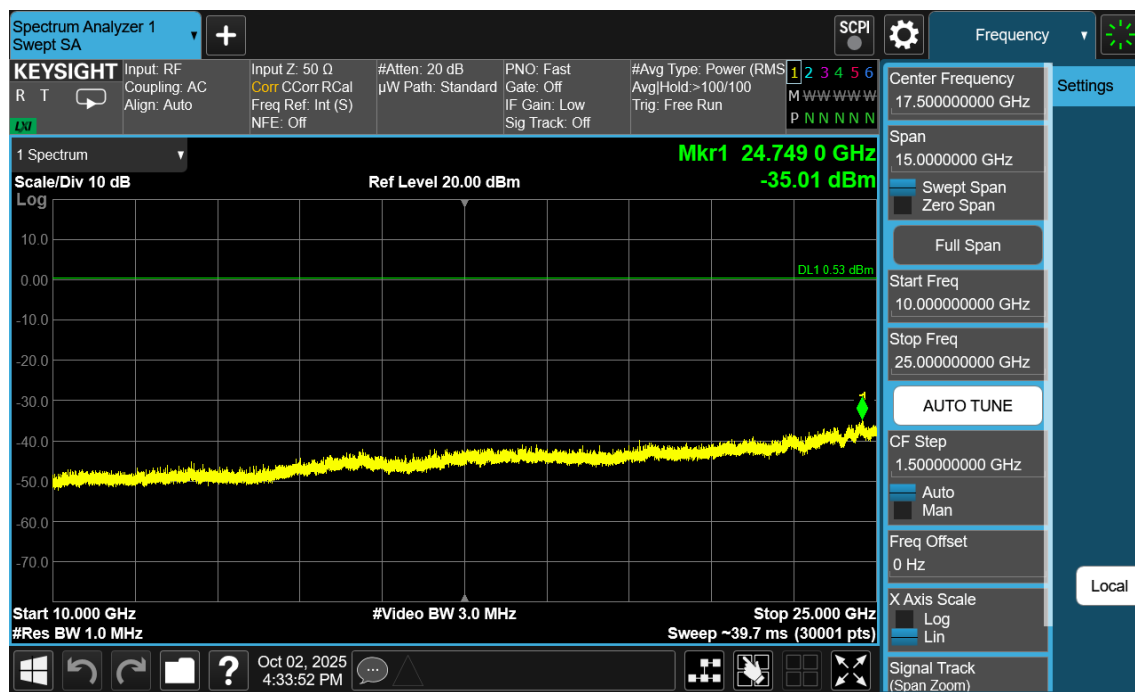
FCC ID: BCGA3461 IC: 579C-A3461		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2509100081-09-R3.BCG	Test Dates: 09/15/2025 - 12/26/2025	EUT Type: Tablet Device	Page 56 of 82

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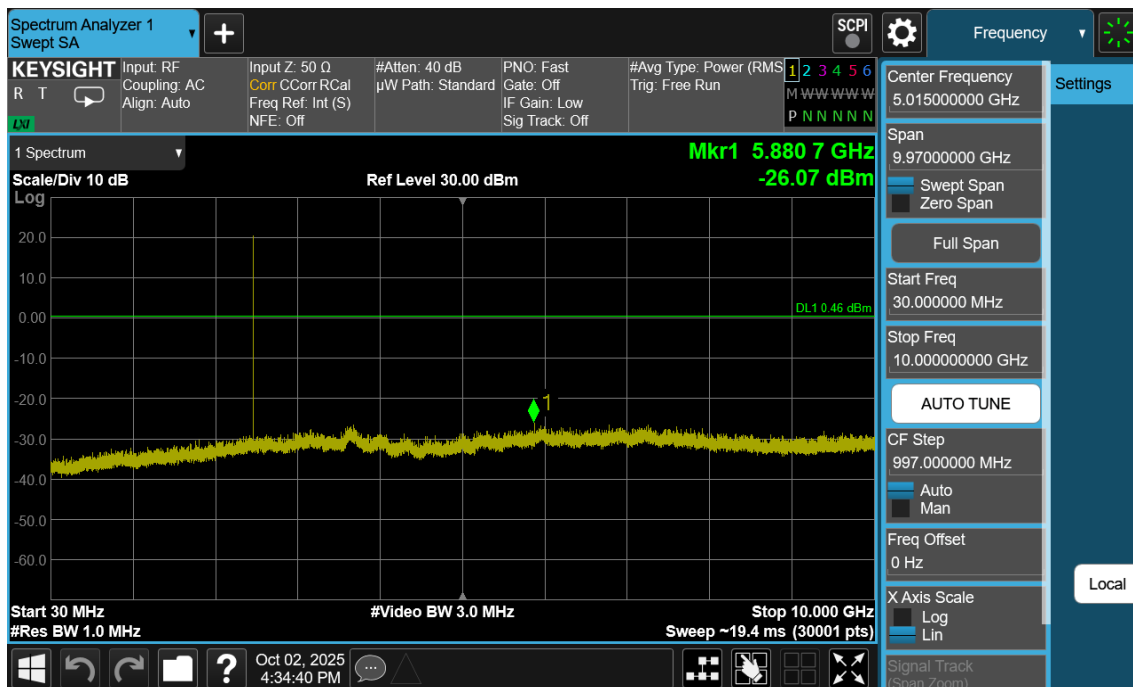


Plot 7-53. Conducted Spurious Plot Antenna WF2b (Bluetooth, GFSK, ePA – Ch. 39)

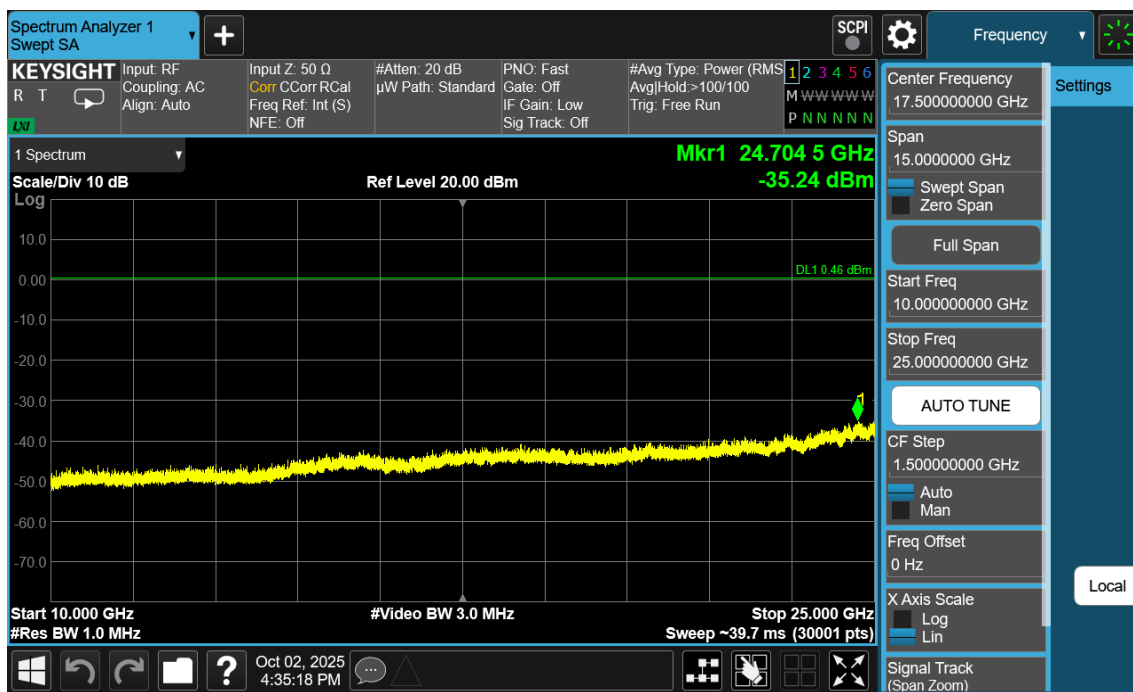


Plot 7-54. Conducted Spurious Plot Antenna WF2b (Bluetooth, GFSK, ePA Ch. 39)

FCC ID: BCGA3461 IC: 579C-A3461		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-55. Conducted Spurious Plot Antenna WF2b (Bluetooth, GFSK, ePA – Ch. 78)



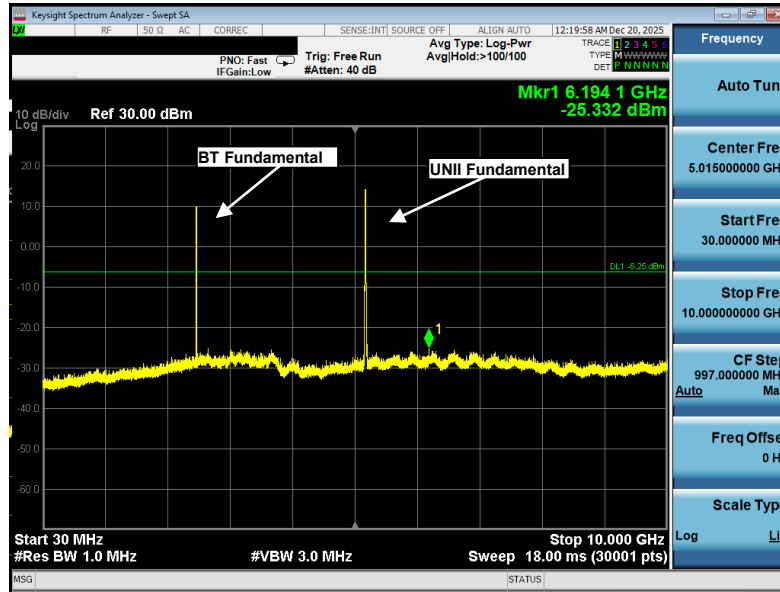
Plot 7-56. Conducted Spurious Plot Antenna WF2b (Bluetooth, GFSK, ePA – Ch. 78)

FCC ID: BCGA3461 IC: 579C-A3461		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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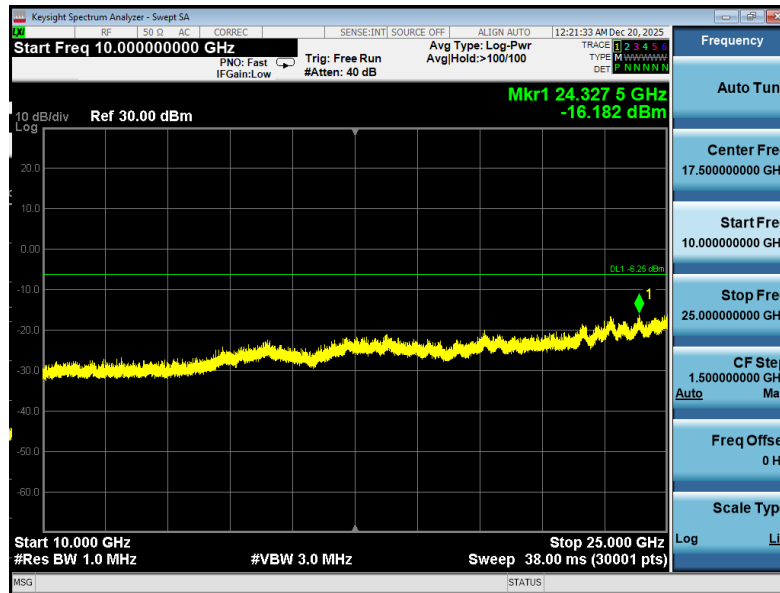
7.8.3 Simultaneous Tx

Description	Bluetooth	UNII
Antenna	Antenna WF7b	Antenna WF7b
Channel	78	36
Operating Frequency (MHz)	2480	5180
Mode/Modulation	GFSK ePA	802.11n

Table 7-12. Worst Case Simultaneous Transmission Configuration



Plot 7-57. Conducted Simultaneous Tx Spurious Plot Antenna WF7b (Bluetooth + UNII)



Plot 7-58. Conducted Simultaneous Tx Spurious Plot Antenna WF7b (Bluetooth + UNII)

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7.9 Radiated Spurious Emissions – Above 1GHz

§15.205 §15.209 §15.247 (d); 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 maximum power and at the appropriate frequencies. 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 7-13 per Section 15.209 and RSS-Gen (8.9).

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

Table 7-13. Radiated Limits

Test Procedure Used

ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024 – Section 6.6.4.3

Test Settings

Peak Field Strength Measurements

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

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Test Setup

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

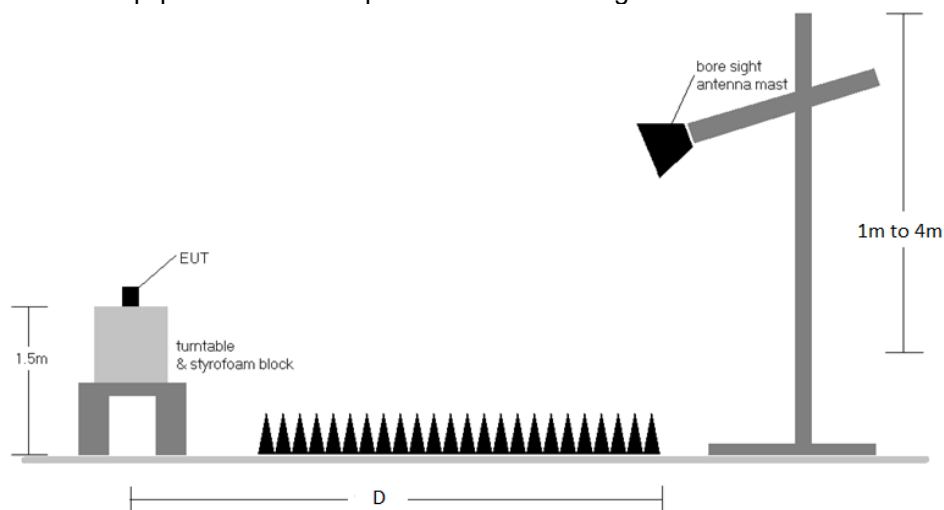


Figure 7-8. Radiated Test Setup >1GHz

Test Notes

1. All emissions lying in restricted bands specified in §15.205 and Section 8.10 of RSS-Gen are below the limit shown in Table 7-13.
2. The antenna is manipulated through typical positions, polarity and length during the tests. The EUT is manipulated through three orthogonal planes.
3. This unit was tested with its standard battery.
4. The spectrum is measured from 9kHz to the 10th harmonic and the worst-case emissions are reported.
5. 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.
6. D is the measurement test distance and emissions 1-18GHz were measured at a 3 meters test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
7. The "-" shown in the following RSE tables are used to denote a noise floor measurement.
8. All supported modulation, antenna (including TxBF mode) and power schemes have been tested on the unit and only worst case configuration is reported.
9. Average emissions were not reported since the duty cycle correction factor was greater than 20dB.

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Sample Calculation

Determining Spurious Emissions Levels

- Field Strength Level $_{[dB\mu V/m]} = \text{Analyzer Level }_{[dBm]} + 107 + \text{AFCL }_{[dB/m]}$
- $\text{AFCL }_{[dB/m]} = \text{Antenna Factor }_{[dB/m]} + \text{Cable Loss }_{[dB]} - \text{Preamplifier Gain }_{[dB]}$
- $\text{Margin }_{[dB]} = \text{Field Strength Level }_{[dB\mu V/m]} - \text{Limit }_{[dB\mu V/m]}$

Radiated Band Edge Measurement Offset

- The amplitude offset shown in the radiated restricted band edge plots in Section 7.9.3 to 7.9.5 was calculated using the formula:

$$\text{Offset (dB)} = (\text{Antenna Factor} + \text{Cable Loss} + \text{Attenuator}) - \text{Preamplifier Gain}$$

Duty Cycle Correction Factor Calculation

- Channel hop rate = 800 hops/second (AFH Mode)
- Adjusted channel hop rate for DH5 mode = 133.33 hops/second
- Time per channel hop = $1 / 133.33 \text{ hops/second} = 7.50 \text{ ms}$
- Time to cycle through all channels = $7.50 \times 20 \text{ channels} = 150 \text{ ms}$
- Number of times transmitter hits on one channel = $100 \text{ ms} / 150 \text{ ms} = 1 \text{ time(s)}$
- Worst case dwell time = 7.5 ms

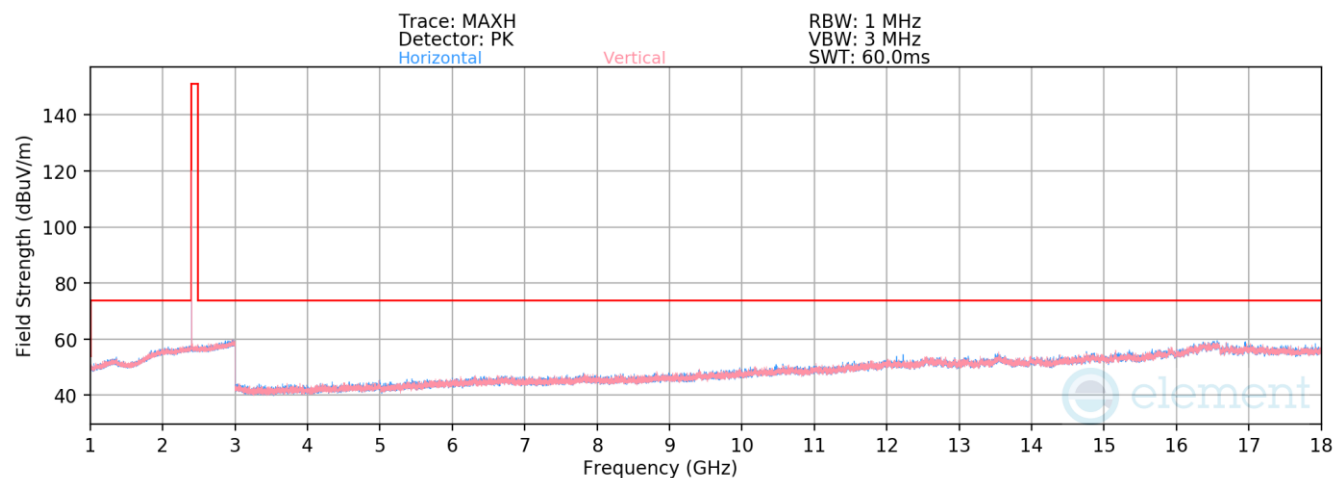
$$\text{Duty cycle correction factor} = 20\log_{10}(7.5\text{ms}/100\text{ms}) = -22.5 \text{ dB}$$

Average Emission Calculation

- $\text{Average Emission} = \text{Measured Peak Emissions }_{[dB\mu V/m]} - \text{Duty Cycle Correction Factor }_{[dB]}$

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7.9.1 TxBF Radiated Spurious Emission Measurements (Above 1GHz)



Plot 7-59. Radiated Spurious Emissions above 1GHz TxBF (BT GFSK ePA – Ch. 0)

Bluetooth Mode: GFSK
Data Rate: 1Mbps
Power Scheme: ePA
Distance of Measurements: 3 Meters
Operating Frequency: 2402MHz
Channel: 0

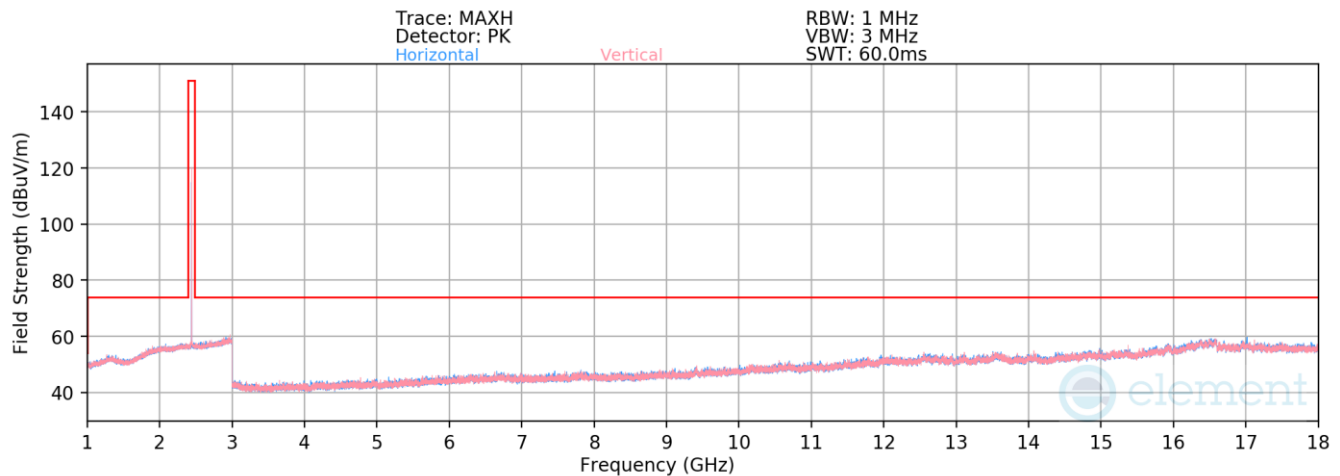
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4804.00	Peak	H	-	-	-69.71	7.21	44.50	73.98	-29.48
12010.00	Peak	V	-	-	-72.73	18.31	52.58	73.98	-21.40

Table 7-14. Radiated Measurements TxBF

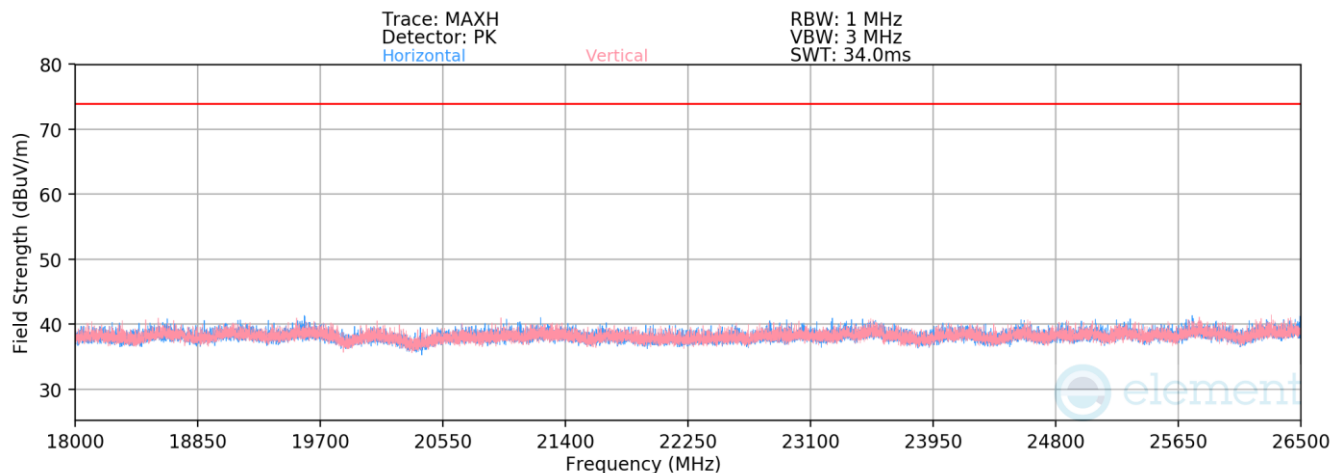
FCC ID: BCGA3461 IC: 579C-A3461		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-60. Radiated Spurious Emissions above 1GHz TxBF (BT GFSK ePA – Ch. 39)



Plot 7-61. Radiated Spurious Emissions above 18GHz TxBF (BT GFSK ePA – Ch. 39)

Bluetooth Mode: GFSK

Data Rate: 1Mbps

Power Scheme: ePA

Distance of Measurements: 3 Meters

Operating Frequency: 2441MHz

Channel: 39

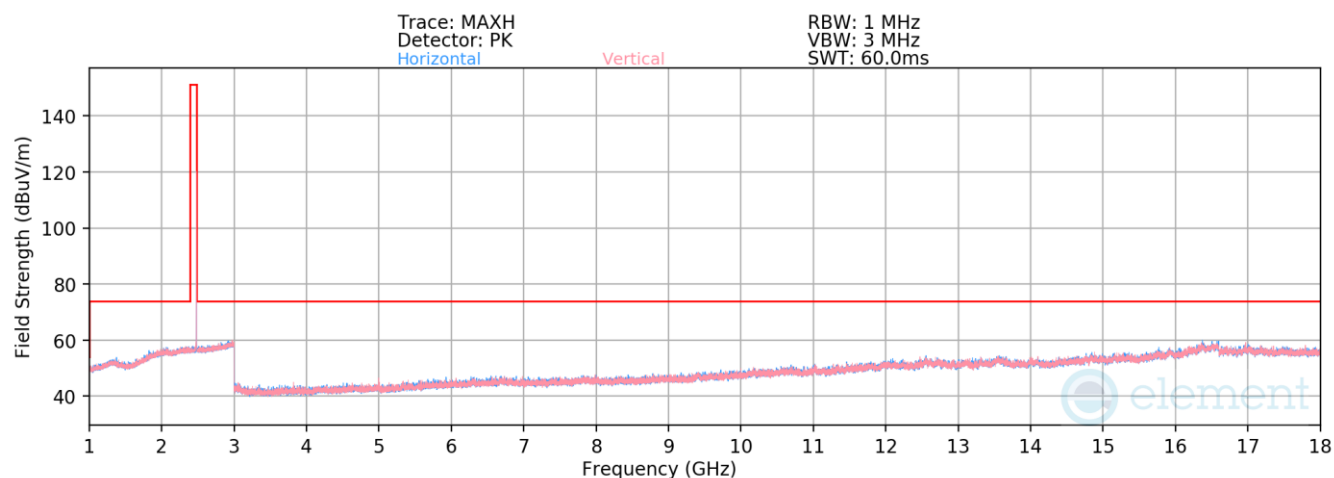
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Duty Cycle Correction [dB]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
4882.00	Peak	V	-	-	-68.36	6.95	0.00	45.59	73.98	-28.39
7323.00	Peak	H	-	-	-68.09	10.22	0.00	49.14	73.98	-24.84
12205.00	Peak	H	-	-	-72.82	18.45	0.00	52.63	73.98	-21.35
19528.00	Peak	H	-	-	-58.25	-7.92	-9.54	31.29	73.98	-42.69

Table 7-15. Radiated Measurements TxBF

FCC ID: BCGA3461 IC: 579C-A3461		MEASUREMENT REPORT (CERTIFICATION)							Approved by: Technical Manager	
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Plot 7-62. Radiated Spurious Emissions above 1GHz TxBF (BT GFSK ePA – Ch. 78)

Bluetooth Mode: GFSK
Data Rate: 1Mbps
Power Scheme: ePA
Distance of Measurements: 3 Meters
Operating Frequency: 2480MHz
Channel: 78

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
4960.00	Peak	H	-	-	-68.93	6.57	44.64	73.98	-29.34
7440.00	Peak	V	-	-	-68.77	10.46	48.69	73.98	-25.29
12400.00	Peak	H	-	-	-73.96	18.86	51.91	73.98	-22.07

Table 7-16. Radiated Measurements TxBF

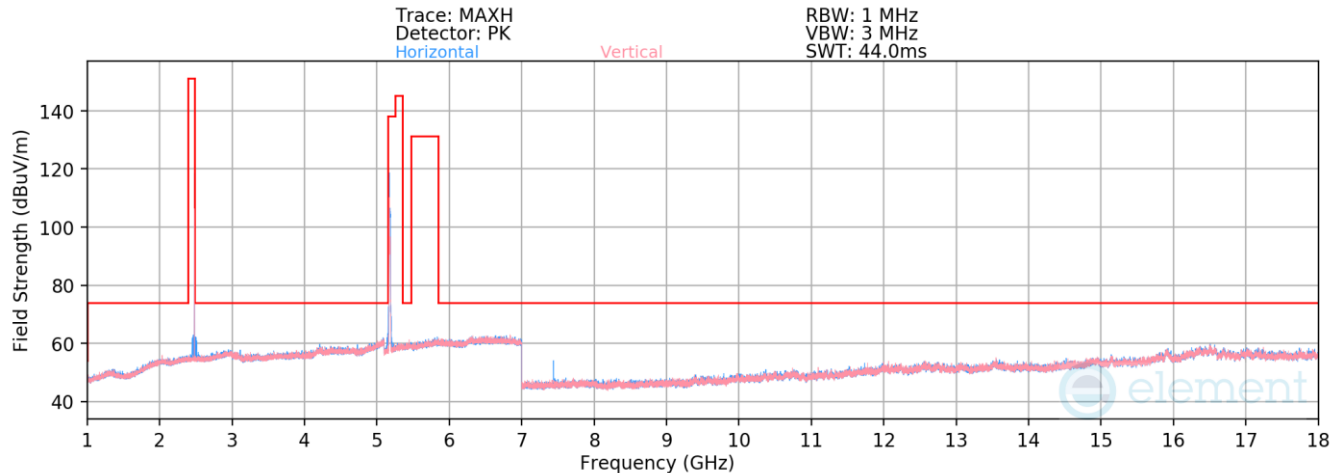
FCC ID: BCGA3461 IC: 579C-A3461		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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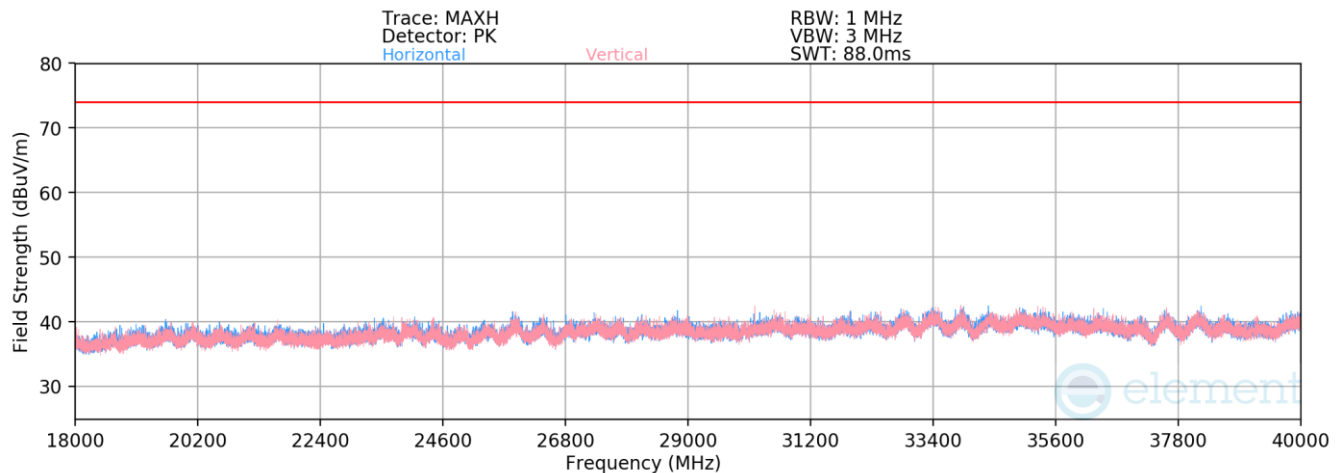
7.9.2 Simultaneous Tx Radiated Spurious Emission (Above 1GHz)

Description	Bluetooth	UNII
Antenna	Antenna WF7b	Antenna WF7b
Channel	78	36
Operating Frequency (MHz)	2480	5180
Mode/Modulation	GFSK ePA	802.11n

Table 7-17. Worst Case Simultaneous Transmission Configuration



Plot 7-63. Radiated Spurious Emissions above 1GHz – Simultaneous Transmission



Plot 7-64. Radiated Spurious Emissions above 18GHz – Simultaneous Transmission

FCC ID: BCGA3461 IC: 579C-A3461		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Dist. Corr. Factor [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4960.00	Peak	-	-	-	-69.23	6.62	0.00	44.39	73.98	-29.59
7440.00	Peak	H	224	255	-69.05	10.32	0.00	48.27	73.98	-25.71
12400.00	Peak	-	-	-	-74.25	18.65	0.00	51.40	73.98	-22.58
19840.00	Peak	-	-	-	-62.59	-7.85	-9.54	36.56	73.98	-37.42

Table 7-18. Bluetooth Harmonics Emissions Measurement - Simultaneous Transmission

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Dist. Corr. Factor [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
10360.00	Peak	-	-	-	-71.89	14.98	0.00	50.09	68.23	-18.14
• 15540.00	Avg	-	-	-	-87.15	22.41	0.00	42.26	53.98	-11.72
• 15540.00	Peak	-	-	-	-75.80	22.41	0.00	53.61	73.98	-20.37
• 20720.00	Avg	-	-	-	-61.01	-7.74	-9.54	28.71	53.98	-25.27
• 20720.00	Peak	-	-	-	-51.22	-7.74	-9.54	38.50	73.98	-35.48

Table 7-19. UNII Harmonics Emissions Measurement - Simultaneous Transmission

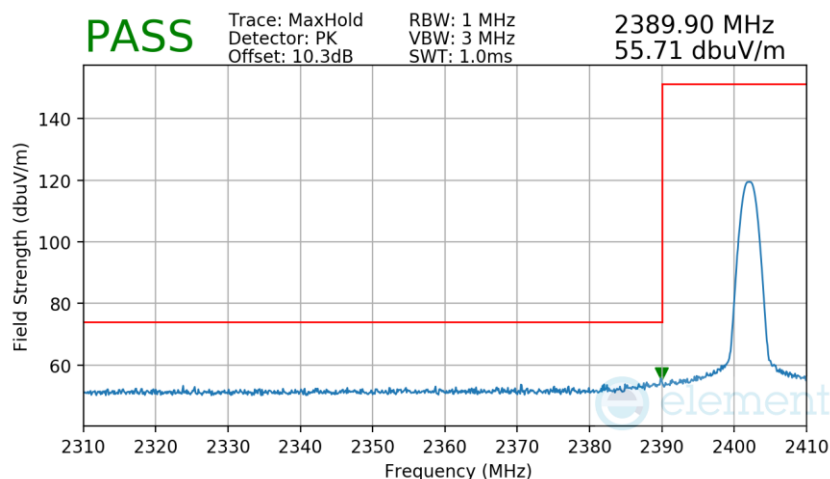
FCC ID: BCGA3461 IC: 579C-A3461		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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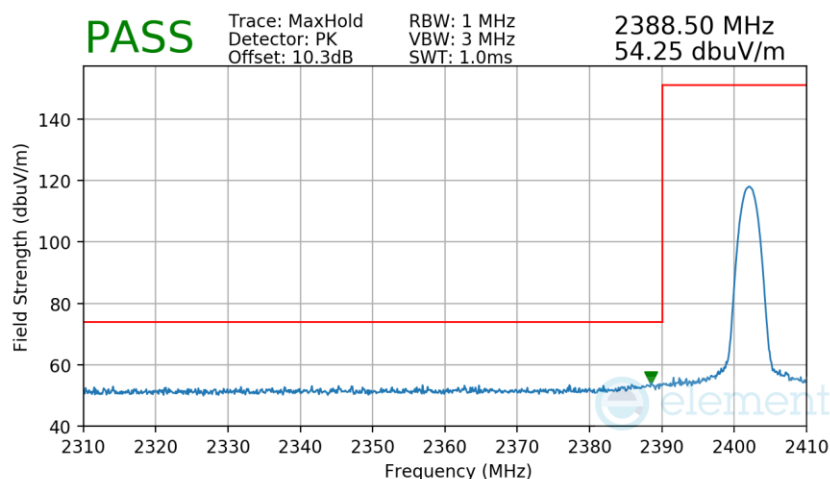
7.9.3 Antenna WF7b Radiated Restricted Band Edge Measurements

Bluetooth Mode: GFSK
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 2402MHz
 Channel: 0



Plot 7-65. Radiated Restricted Lower Band Edge Measurement Antenna WF7b

Bluetooth Mode: 8DPSK
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 2402MHz
 Channel: 0

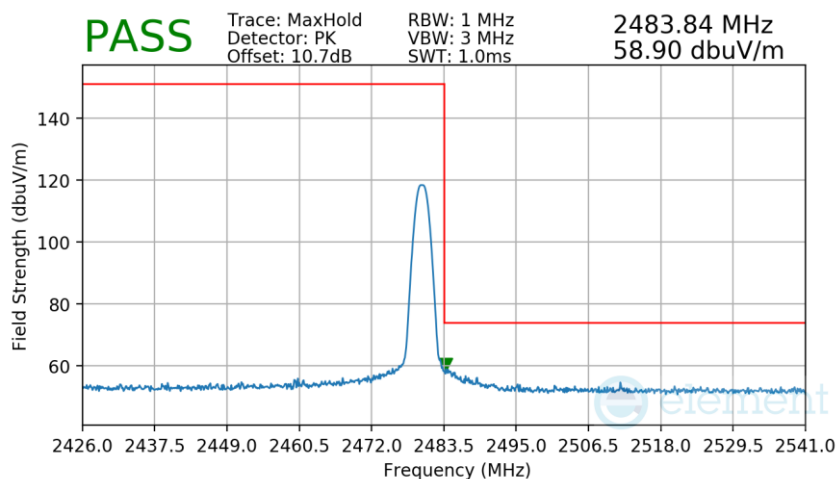


Plot 7-66. Radiated Restricted Lower Band Edge Measurement Antenna WF7b

FCC ID: BCGA3461 IC: 579C-A3461		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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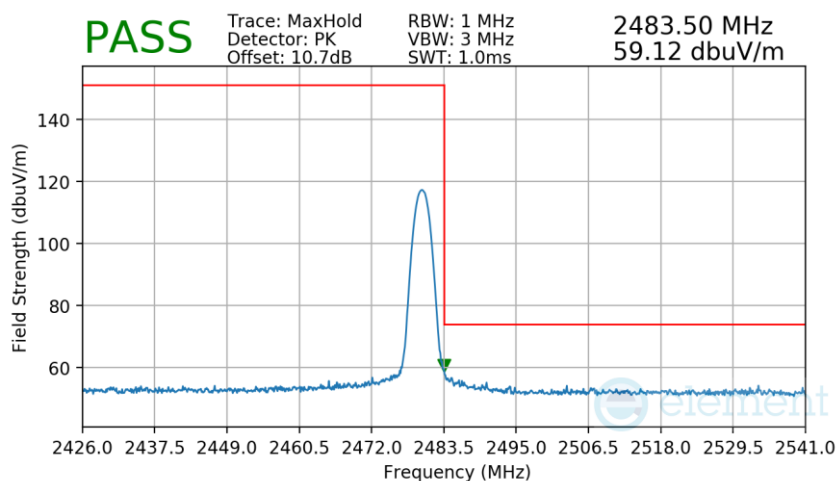
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Bluetooth Mode:	GFSK
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	2480MHz
Channel:	78



Plot 7-67. Radiated Restricted Upper Band Edge Measurement Antenna WF7b

Bluetooth Mode:	8DPSK
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	2480MHz
Channel:	78



Plot 7-68. Radiated Restricted Upper Band Edge Measurement Antenna WF7b

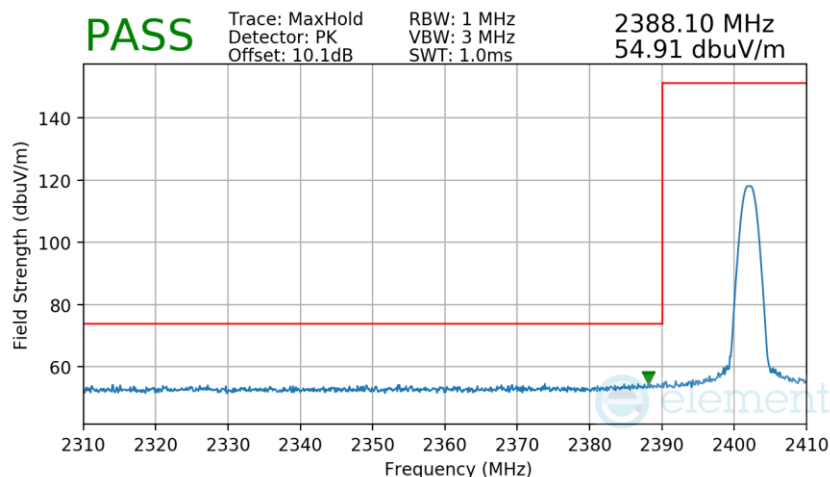
FCC ID: BCGA3461 IC: 579C-A3461	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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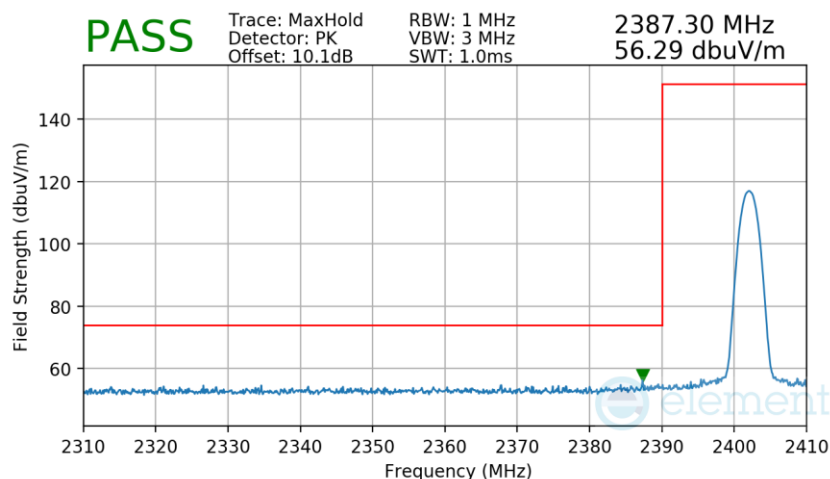
7.9.4 Antenna WF2b Radiated Restricted Band Edge Measurements

Bluetooth Mode: GFSK
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 2402MHz
 Channel: 0



Plot 7-69. Radiated Restricted Lower Band Edge Measurement Antenna WF2b

Bluetooth Mode: 8DPSK
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 2402MHz
 Channel: 0



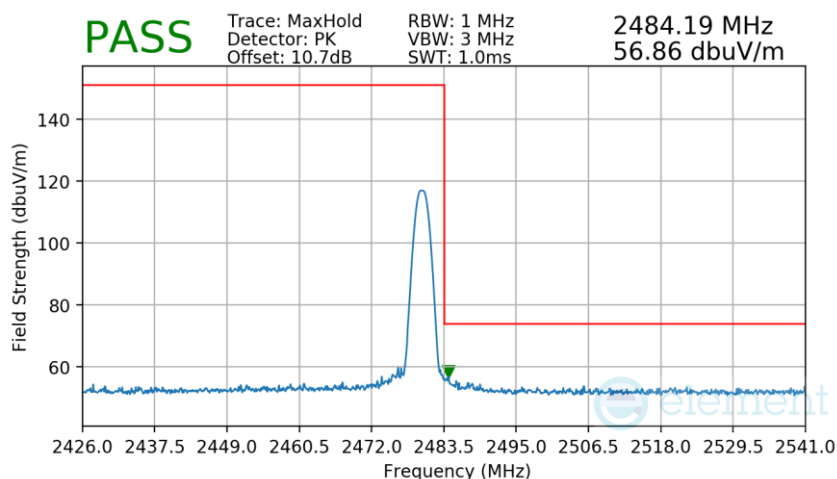
Plot 7-70. Radiated Restricted Lower Band Edge Measurement Antenna WF2b

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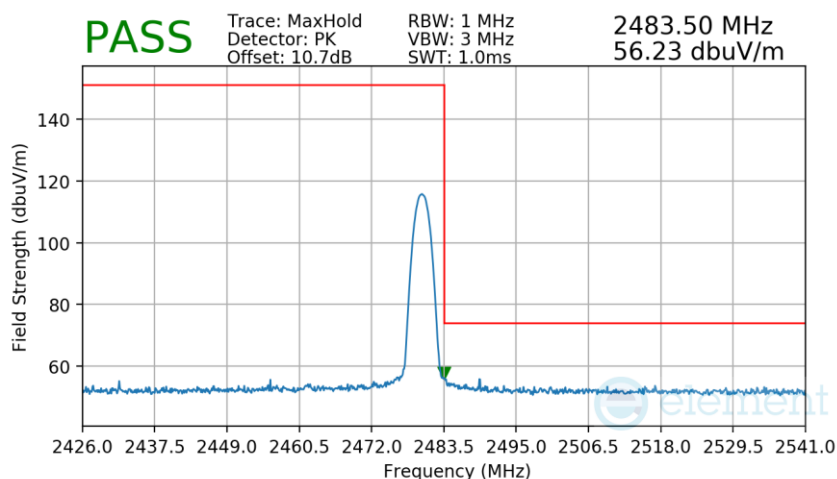
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Bluetooth Mode:	GFSK
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	2480MHz
Channel:	78



Plot 7-71. Radiated Restricted Upper Band Edge Measurement Antenna WF2b

Bluetooth Mode:	8DPSK
Power Scheme:	ePA
Measurement Distance:	3 Meters
Operating Frequency:	2480MHz
Channel:	78



Plot 7-72. Radiated Restricted Upper Band Edge Measurement Antenna WF2b

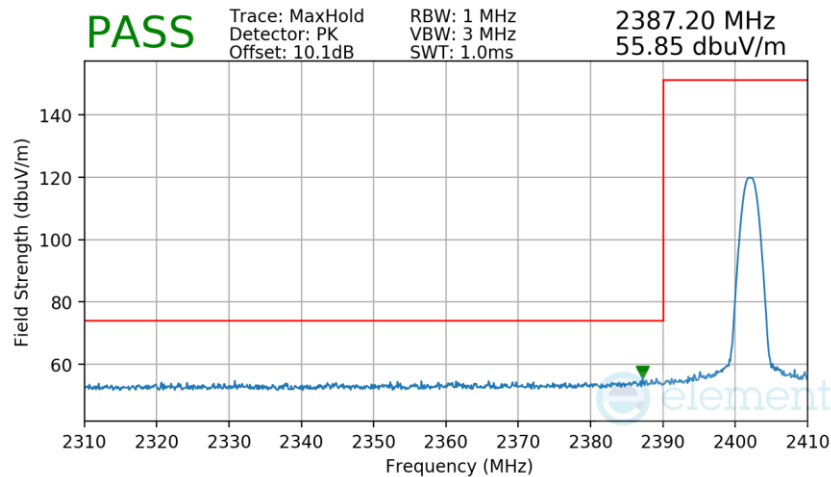
FCC ID: BCGA3461 IC: 579C-A3461	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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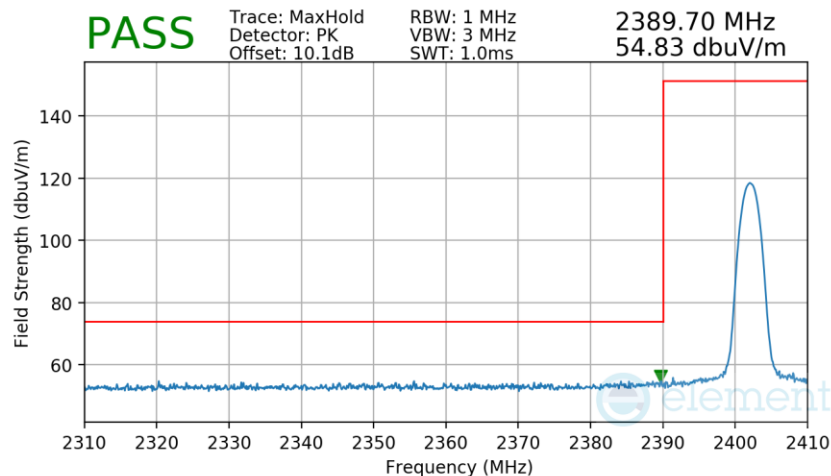
7.9.5 TxBF Radiated Restricted Band Edge Measurements

Bluetooth Mode: GFSK
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 2402MHz
 Channel: 0



Plot 7-73. Radiated Restricted Lower Band Edge Measurement TxBF

Bluetooth Mode: 8DPSK
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 2402MHz
 Channel: 0

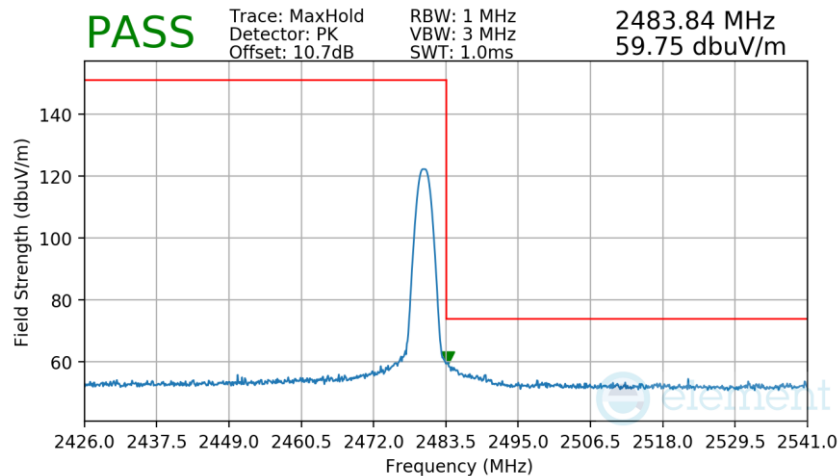


Plot 7-74. Radiated Restricted Lower Band Edge Measurement TxBF

FCC ID: BCGA3461 IC: 579C-A3461		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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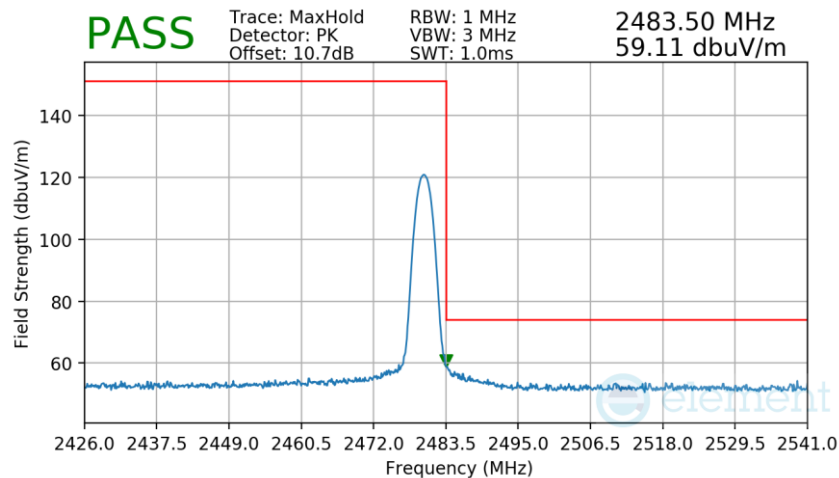
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Bluetooth Mode: GFSK
Power Scheme: ePA
Measurement Distance: 3 Meters
Operating Frequency: 2480MHz
Channel: 78



Plot 7-75. Radiated Restricted Upper Band Edge Measurement TxBF

Bluetooth Mode: 8DPSK
Power Scheme: ePA
Measurement Distance: 3 Meters
Operating Frequency: 2480MHz
Channel: 78



Plot 7-76. Radiated Restricted Upper Band Edge Measurement TxBF

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7.10 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 7-20 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 7-20. Radiated Limits

Test Procedures Used

ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024

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

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Test Setup

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

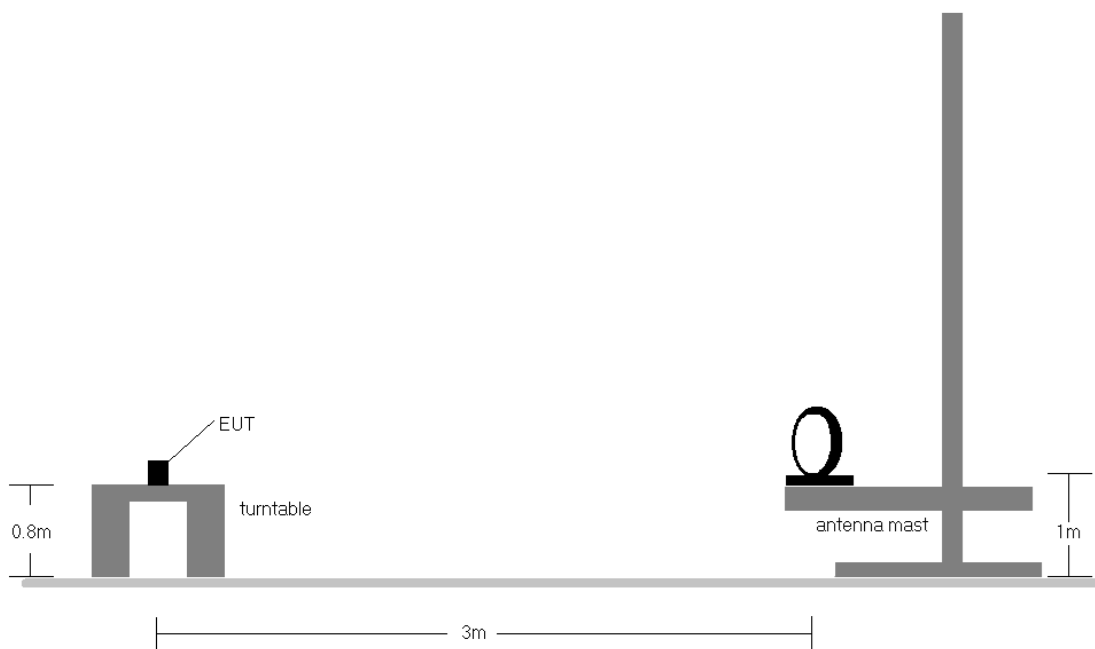


Figure 7-9. Radiated Test Setup < 30MHz

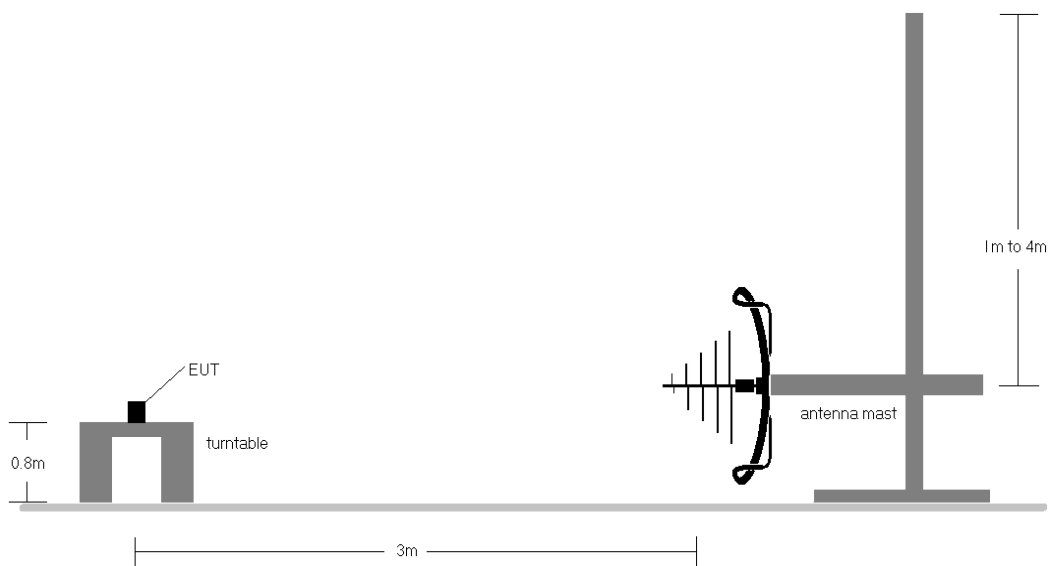


Figure 7-10. Radiated Test Setup < 1GHz

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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 7-20.
2. 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

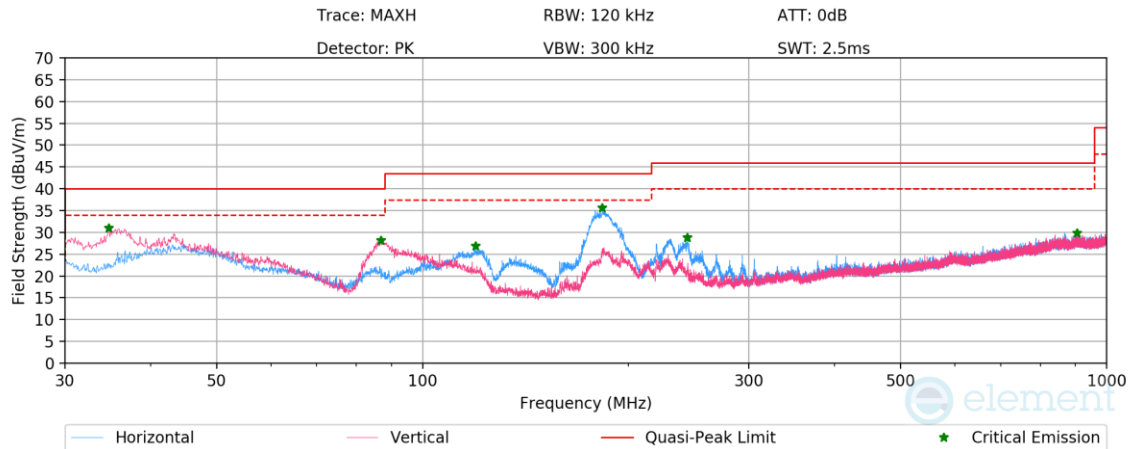
- Field Strength Level $_{[dB\mu V/m]} = \text{Analyzer Level}_{[dBm]} + 107 + \text{AFCL}_{[dB/m]}$
- $\text{AFCL}_{[dB/m]} = \text{Antenna Factor}_{[dB/m]} + \text{Cable Loss}_{[dB]} - \text{Preamplifier Gain}_{[dB]}$
- $\text{Margin}_{[dB]} = \text{Field Strength Level}_{[dB\mu V/m]} - \text{Limit}_{[dB\mu V/m]}$

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7.10.1 TxBF Radiated Spurious Emissions Measurements (Below 1GHz)



Plot 7-77. Radiated Spurious Emissions Below 1GHz TxBF (GFSK ePA – Ch.39, 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 [dBuV/m]	Limit [dBuV/m]	Margin [dB]
34.77	Max-Peak	V	100	-	-57.68	-18.36	30.96	40.00	-9.04
86.91	Max-Peak	V	100	-	-58.27	-20.57	28.16	40.00	-11.84
119.43	Max-Peak	H	300	-	-60.51	-19.56	26.93	43.50	-16.57
183.03	Max-Peak	H	100	-	-52.02	-19.29	35.69	43.50	-7.81
243.87	Max-Peak	H	100	-	-61.72	-16.40	28.88	46.00	-17.12
905.47	Max-Peak	H	200	-	-72.83	-4.26	29.91	46.00	-16.09

Table 7-21. Radiated Measurements Below 1GHz TxBF (GFSK ePA – Ch.39, with AC/DC Adapter)

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7.11 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)	
	Quasi-peak	Average
0.15 – 0.5	66 to 56*	56 to 46*
0.5 – 5	56	46
5 – 30	60	50

Table 7-22. Conducted Limits

*Decreases with the logarithm of the frequency.

Test Procedures Used

ANSI C63.10:2020 + Cor. 1:2023 + C63.10a:2024 + Errata to C63.10a:2024, Section 6.2

Test Settings

Quasi-Peak 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 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.

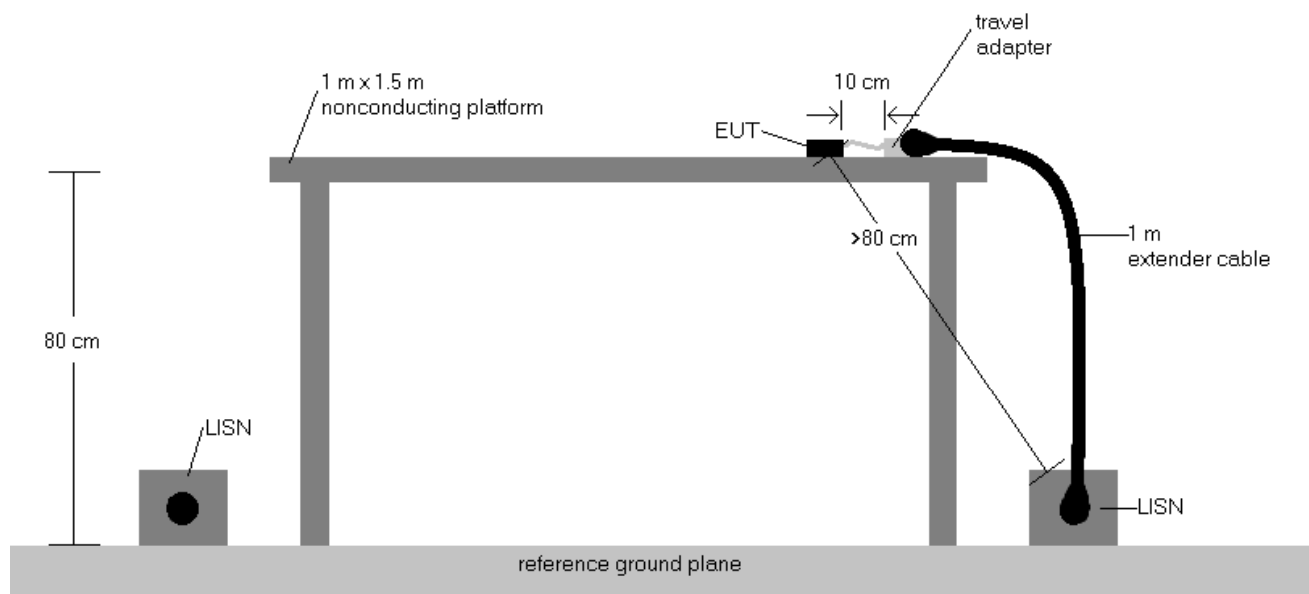


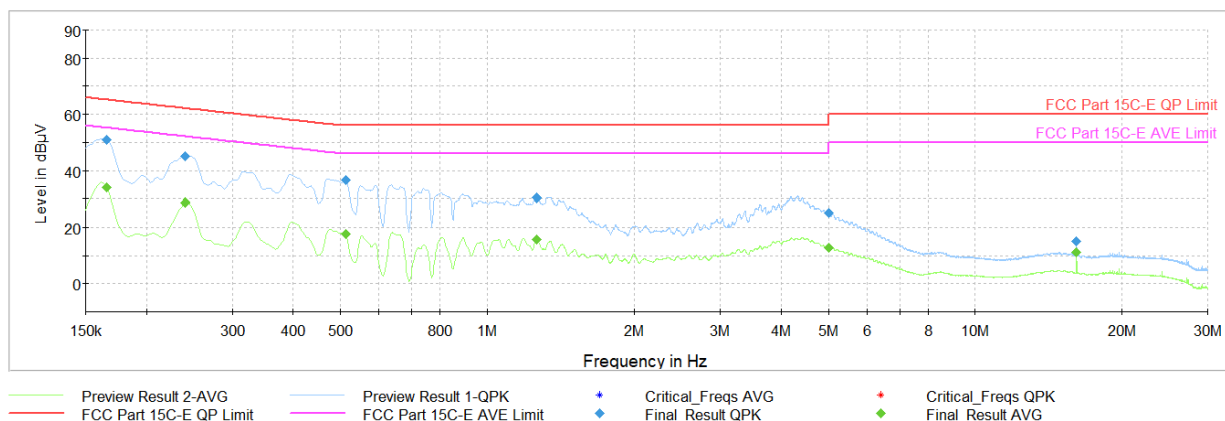
Figure 7-11. Test Instrument & Measurement Setup

Test Notes

- 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.
- Both configurations below were investigated, and the worst case has been reported.
 - EUT powered by AC/DC adaptor via USB-C cable with wire charger
 - EUT powered by host PC via USB-C cable with wire charger
- The limit for an intentional radiator from 150kHz to 30MHz are specified in Part 15.207 and RSS-Gen (8.8).
- $\text{Corr. (dB)} = \text{Cable loss (dB)} + \text{LISN insertion factor (dB)}$
- $\text{QP/AV Level (dB}\mu\text{V)} = \text{QP/AV Analyzer/Receiver Level (dB}\mu\text{V)} + \text{Correction Factor (dB)}$
- $\text{Margin (dB)} = \text{QP/AV Level (dB}\mu\text{V)} - \text{QP/AV Limit (dB}\mu\text{V)}$
- Traces shown in plot are made using a quasi peak and average detectors.
- Deviations to the Specifications: None.

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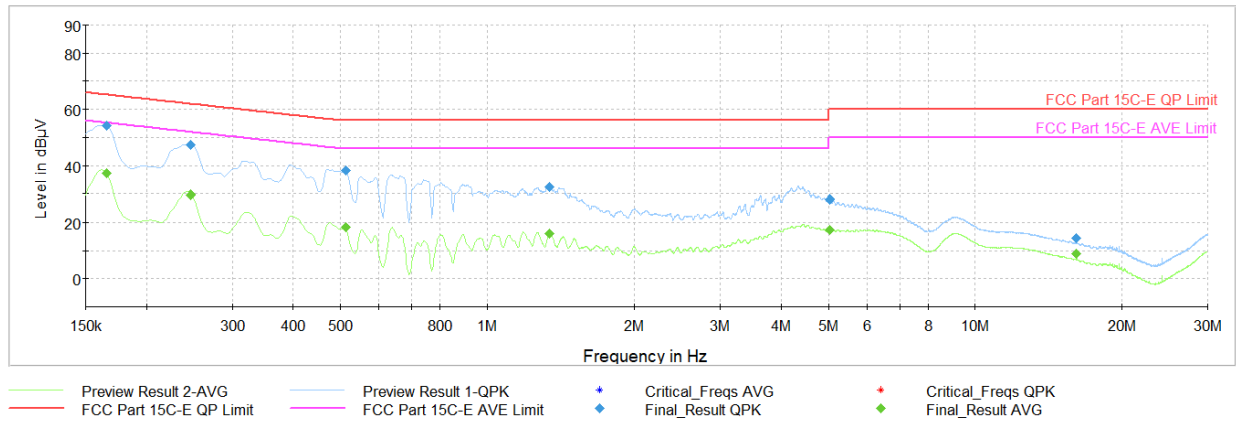


Plot 7-78. AC Line-Conducted Test Plot TxBF (L1, GFSK ePA – Ch.39, with AC/DC Adapter)

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.166	FINAL	—	34.09	55.17	-21.08	L1	GND
0.166	FINAL	50.9	—	65.17	-14.29	L1	GND
0.240	FINAL	—	28.80	52.10	-23.30	L1	GND
0.240	FINAL	45.1	—	62.10	-17.00	L1	GND
0.512	FINAL	—	17.74	46.00	-28.26	L1	GND
0.512	FINAL	36.6	—	56.00	-19.38	L1	GND
1.266	FINAL	30.5	—	56.00	-25.50	L1	GND
1.266	FINAL	—	15.79	46.00	-30.21	L1	GND
5.010	FINAL	25.2	—	60.00	-34.78	L1	GND
5.010	FINAL	—	12.86	50.00	-37.14	L1	GND
16.150	FINAL	—	11.10	50.00	-38.90	L1	GND
16.150	FINAL	15.0	—	60.00	-45.03	L1	GND

Table 7-23. AC Line-Conducted Test Data TxBF (L1, GFSK ePA – Ch.39, with AC/DC Adapter)

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Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.166	FINAL	—	37.38	55.17	-17.79	N	GND
0.166	FINAL	54.1	—	65.17	-11.05	N	GND
0.247	FINAL	—	29.90	51.87	-21.96	N	GND
0.247	FINAL	47.4	—	61.87	-14.52	N	GND
0.512	FINAL	—	18.19	46.00	-27.81	N	GND
0.512	FINAL	38.3	—	56.00	-17.68	N	GND
1.345	FINAL	32.3	—	56.00	-23.73	N	GND
1.345	FINAL	—	15.98	46.00	-30.02	N	GND
5.021	FINAL	28.0	—	60.00	-31.98	N	GND
5.021	FINAL	—	17.23	50.00	-32.77	N	GND
16.150	FINAL	—	8.80	50.00	-41.20	N	GND
16.150	FINAL	14.4	—	60.00	-45.59	N	GND

Table 7-24. AC Line-Conducted Test Data TxBF (N, GFSK ePA – Ch.39, with AC/DC Adapter)

FCC ID: BCGA3461 IC: 579C-A3461		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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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: BCGA3461 and IC: 579C-A3461** 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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