

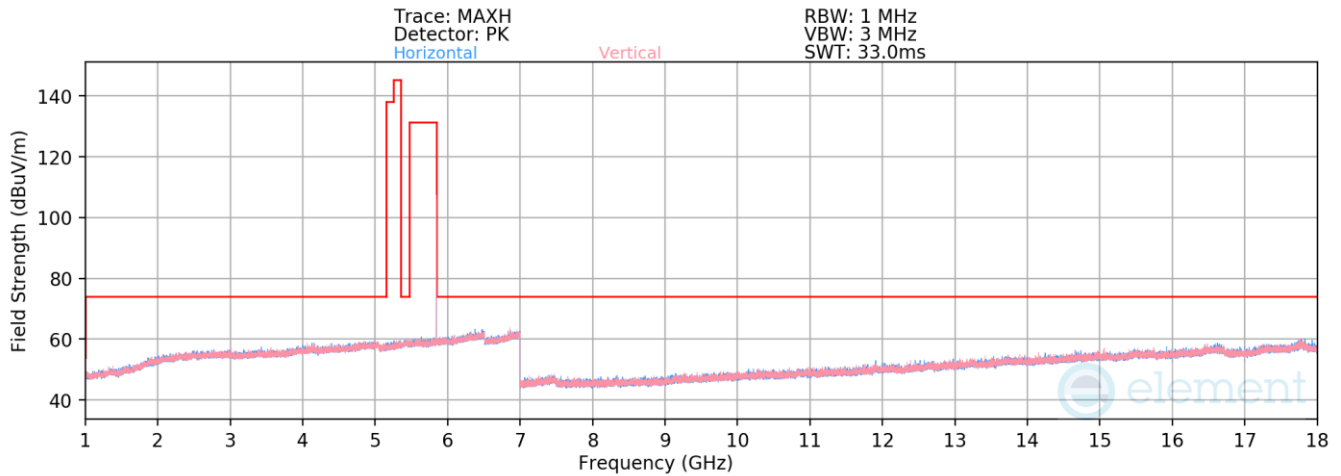
**Plot 7-104. Radiated Spurious Emissions 1-18GHz Antenna 2a (BDR GFSK ePA – 5789MHz)**

Mode: BDR  
 Data Rate: 1Mbps  
 Power Scheme: ePA  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5789MHz

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]
* 11578.00	Average	V	-	-	-78.36	11.13	39.77	53.98	-14.21
* 11578.00	Peak	V	-	-	-67.39	11.13	50.74	73.98	-23.24
17367.00	Peak	V	-	-	-68.87	21.32	59.45	68.20	-8.75

**Table 7-45. Radiated Spurious Emissions Measurements Antenna 2a**

FCC ID: BCGA2926 IC: 579C-A2926		<b>MEASUREMENT REPORT (CERTIFICATION)</b>	Approved by: Technical Manager
Test Report S/N: 1C2311270070-19.BCG	Test Dates: 1/3/2024 - 3/24/2024	EUT Type: Tablet Device	Page 99 of 126



**Plot 7-105. Radiated Spurious Emissions 1-18GHz Antenna 2a (BDR GFSK ePA – 5844MHz)**

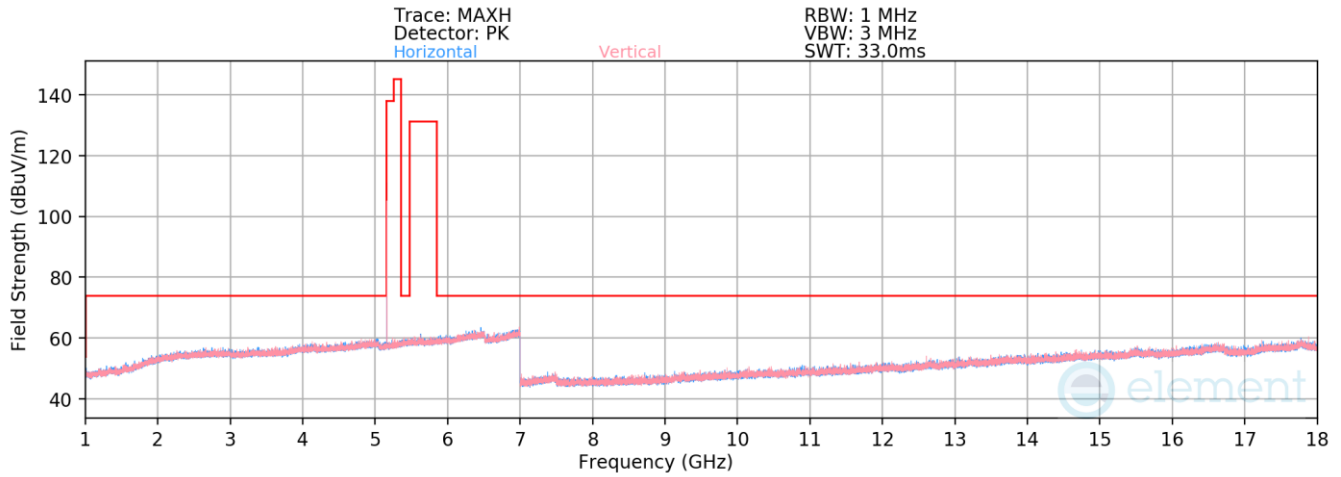
Mode: BDR  
 Data Rate: 1Mbps  
 Power Scheme: ePA  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5844MHz

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
* 11688.00	Average	V	-	-	-78.41	11.65	40.24	53.98	-13.74
* 11688.00	Peak	V	-	-	-67.55	11.65	51.10	73.98	-22.88
17532.00	Peak	V	-	-	-69.30	21.89	59.59	68.20	-8.61

**Table 7-46. Radiated Spurious Emissions Measurements Antenna 2a**

FCC ID: BCGA2926 IC: 579C-A2926		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270070-19.BCG	Test Dates: 1/3/2024 - 3/24/2024	EUT Type: Tablet Device	Page 100 of 126

### 7.6.4 TxBF Radiated Spurious Emission (Above 1GHz)



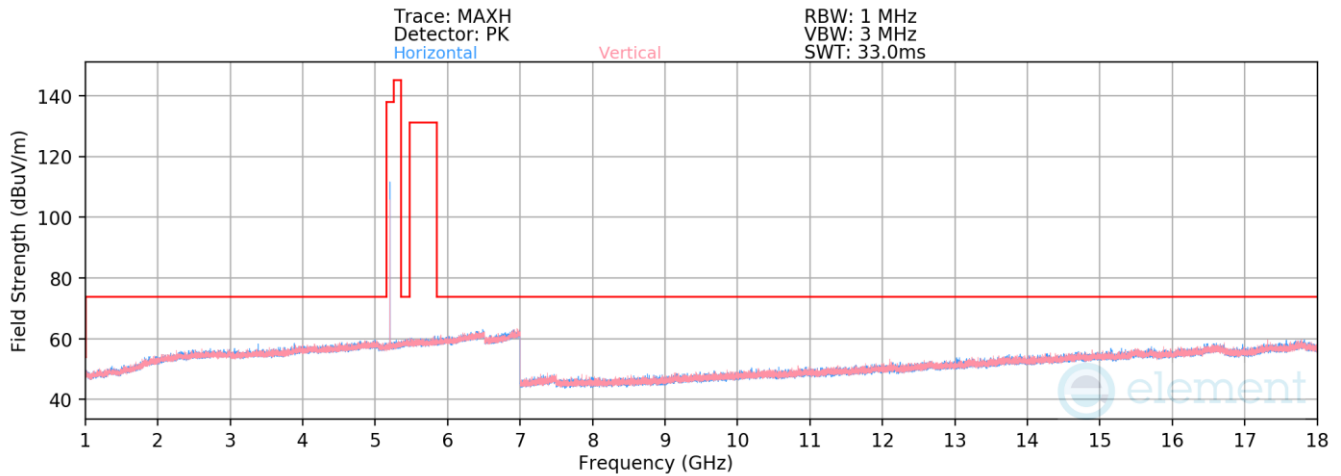
**Plot 7-106. Radiated Spurious Emissions 1-18GHz TxBF (BDR GFSK ePA – 5162MHz)**

Mode: BDR  
 Data Rate: 1Mbps  
 Power Scheme: ePA  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5162MHz

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]
10324.00	Peak	V	-	-	-66.30	9.69	50.39	68.20	-17.81
* 15486.00	Average	V	-	-	-79.40	17.72	45.32	53.98	-8.66
* 15486.00	Peak	V	-	-	-68.49	17.72	56.23	73.98	-17.75

**Table 7-47. Radiated Spurious Emissions Measurements TxBF**

FCC ID: BCGA2926 IC: 579C-A2926		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270070-19.BCG	Test Dates: 1/3/2024 - 3/24/2024	EUT Type: Tablet Device	Page 101 of 126



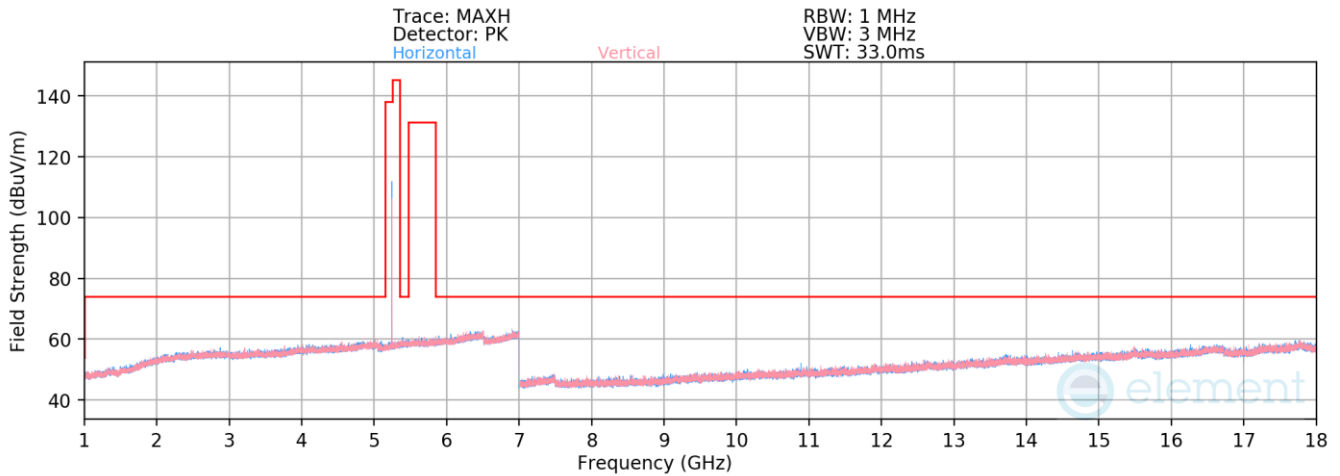
**Plot 7-107. Radiated Spurious Emissions 1-18GHz TxBF (BDR GFSK ePA – 5204MHz)**

Mode: BDR  
 Data Rate: 1Mbps  
 Power Scheme: ePA  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5204MHz

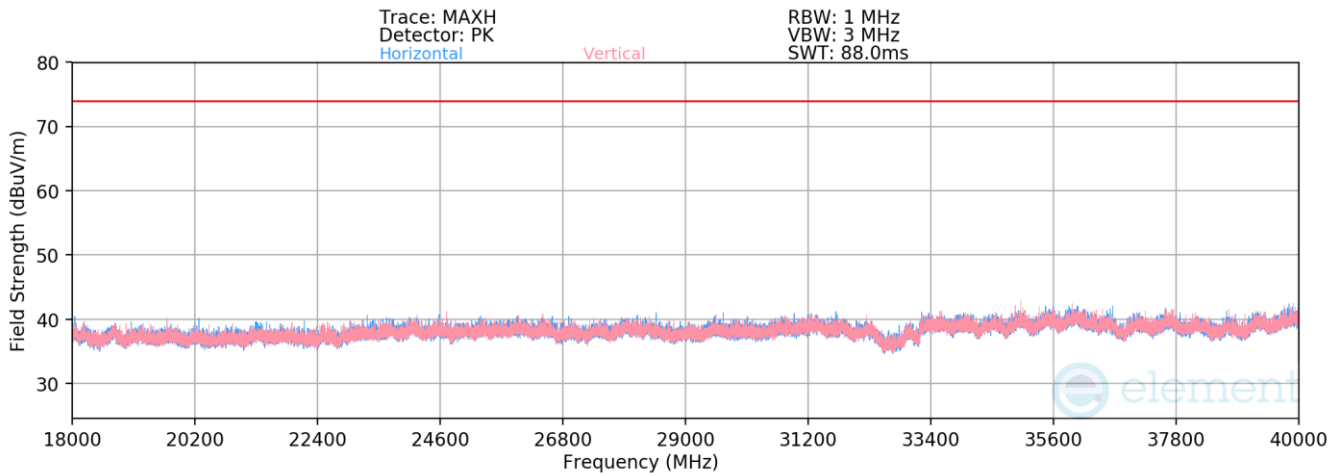
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
10408.00	Peak	V	-	-	-66.41	10.03	50.62	68.20	-17.58
* 15612.00	Average	V	-	-	-79.59	18.01	45.42	53.98	-8.56
* 15612.00	Peak	V	-	-	-68.75	18.01	56.26	73.98	-17.72

**Table 7-48. Radiated Spurious Emissions Measurements TxBF**

FCC ID: BCGA2926 IC: 579C-A2926		<b>MEASUREMENT REPORT (CERTIFICATION)</b>	Approved by: Technical Manager
Test Report S/N: 1C2311270070-19.BCG	Test Dates: 1/3/2024 - 3/24/2024	EUT Type: Tablet Device	Page 102 of 126



**Plot 7-108. Radiated Spurious Emissions 1-18GHz TxBF (BDR GFSK ePA – 5245MHz)**



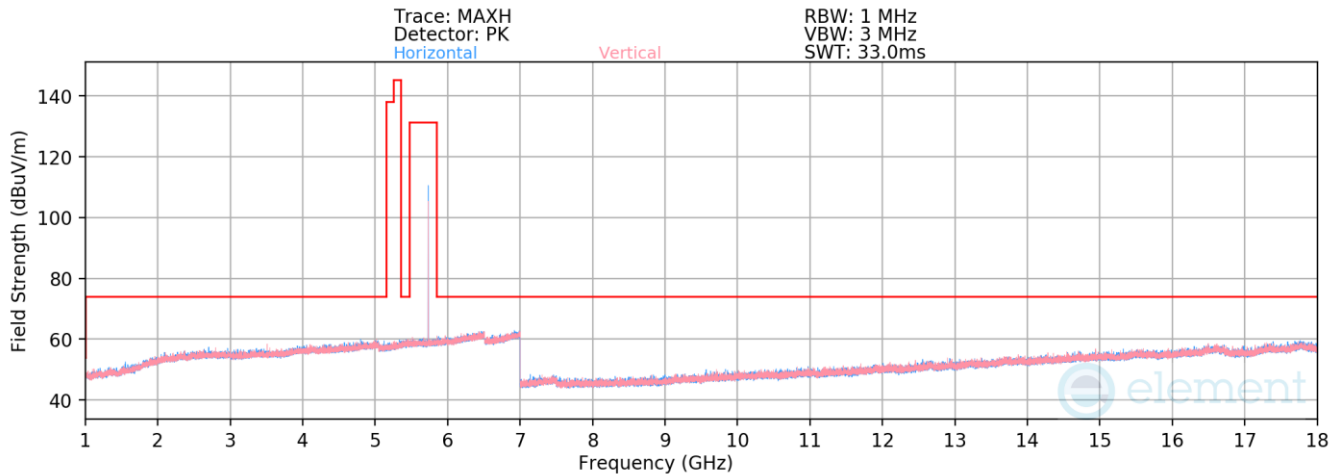
**Plot 7-109. Radiated Spurious Emissions Above 18GHz (BDR GFSK ePA – 5245MHz)**

Mode: BDR  
 Data Rate: 1Mbps  
 Power Scheme: ePA  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5245MHz

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]
10490.00	Peak	V	-	-	-66.50	10.27	50.77	68.20	-17.43
* 15735.00	Average	V	-	-	-79.26	18.20	45.94	53.98	-8.04
* 15735.00	Peak	V	-	-	-68.78	18.20	56.42	73.98	-17.56

**Table 7-49. Radiated Spurious Emissions Measurements TxBF**

FCC ID: BCGA2926 IC: 579C-A2926		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270070-19.BCG	Test Dates: 1/3/2024 - 3/24/2024	EUT Type: Tablet Device	Page 103 of 126



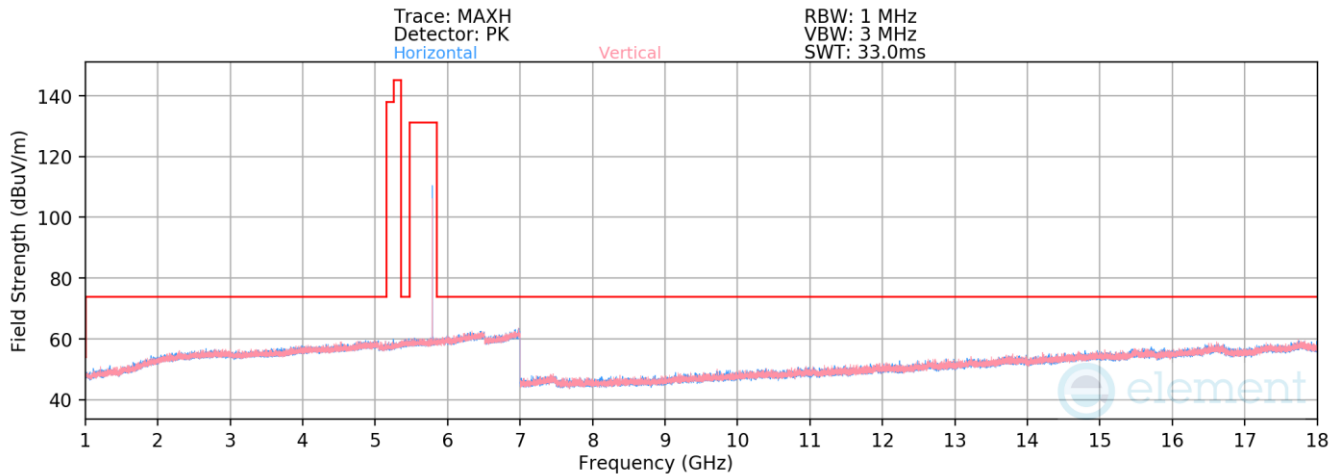
**Plot 7-110. Radiated Spurious Emissions 1-18GHz TxBF (BDR GFSK ePA – 5733MHz)**

Mode: BDR  
 Data Rate: 1Mbps  
 Power Scheme: ePA  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5733MHz

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]
* 11466.00	Average	V	-	-	-78.30	11.18	39.88	53.98	-14.10
* 11466.00	Peak	V	-	-	-67.24	11.18	50.94	73.98	-23.04
17199.00	Peak	V	-	-	-68.80	20.67	58.87	68.20	-9.33

**Table 7-50. Radiated Spurious Emissions Measurements TxBF**

FCC ID: BCGA2926 IC: 579C-A2926		<b>MEASUREMENT REPORT (CERTIFICATION)</b>	Approved by: Technical Manager
Test Report S/N: 1C2311270070-19.BCG	Test Dates: 1/3/2024 - 3/24/2024	EUT Type: Tablet Device	Page 104 of 126



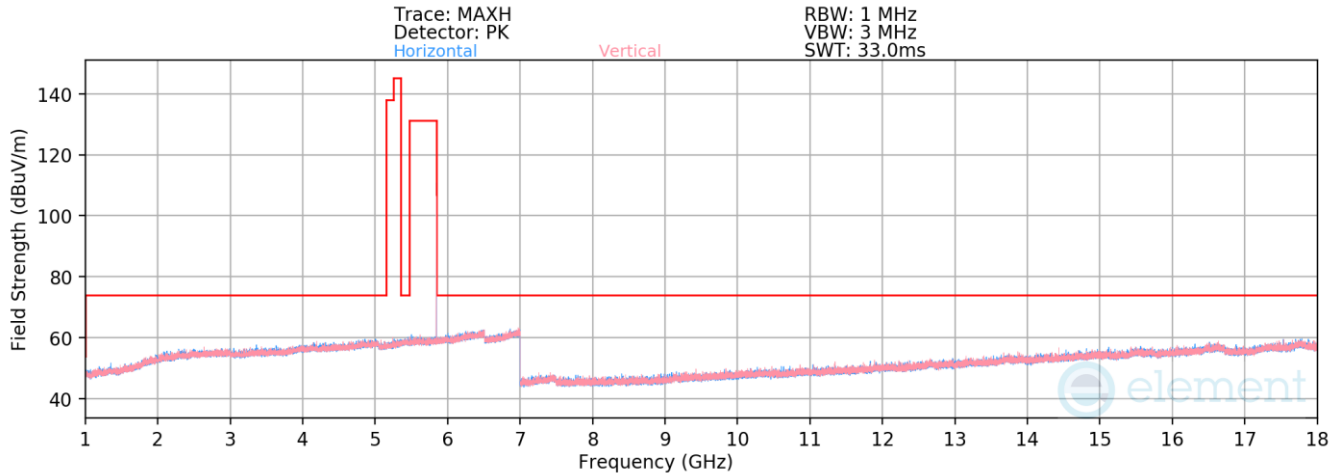
**Plot 7-111. Radiated Spurious Emissions 1-18GHz TxBF (BDR GFSK ePA – 5789MHz)**

Mode: BDR  
 Data Rate: 1Mbps  
 Power Scheme: ePA  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5789MHz

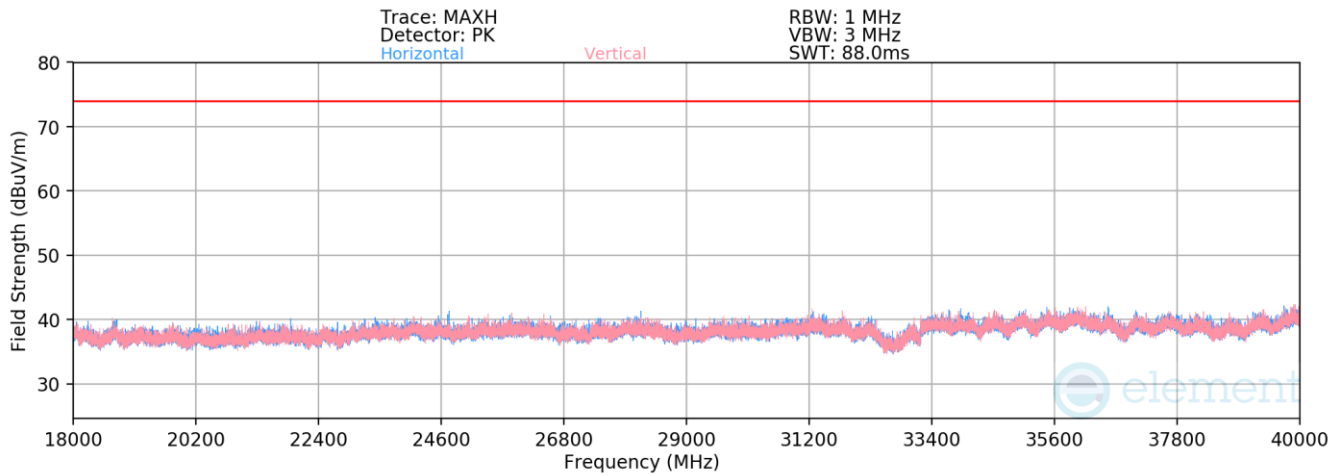
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
* 11578.00	Average	V	-	-	-78.56	11.13	39.57	53.98	-14.41
* 11578.00	Peak	V	-	-	-66.75	11.13	51.38	73.98	-22.60
17367.00	Peak	V	-	-	-68.47	21.32	59.85	68.20	-8.35

**Table 7-51. Radiated Spurious Emissions Measurements TxBF**

FCC ID: BCGA2926 IC: 579C-A2926		<b>MEASUREMENT REPORT (CERTIFICATION)</b>	<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2311270070-19.BCG	<b>Test Dates:</b> 1/3/2024 - 3/24/2024	<b>EUT Type:</b> Tablet Device	Page 105 of 126



**Plot 7-112. Radiated Spurious Emissions 1-18GHz TxBF (BDR GFSK ePA – 5844MHz)**



**Plot 7-113. Radiated Spurious Emissions Above 18GHz (BDR GFSK ePA – 5844MHz)**

Mode: BDR  
 Data Rate: 1Mbps  
 Power Scheme: ePA  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5844MHz

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]
* 11688.00	Average	V	-	-	-78.67	11.65	39.98	53.98	-14.00
* 11688.00	Peak	V	-	-	-66.79	11.65	51.86	73.98	-22.12
17532.00	Peak	V	-	-	-69.19	21.89	59.70	68.20	-8.50

**Table 7-52. Radiated Spurious Emissions Measurements TxBF**

FCC ID: BCGA2926 IC: 579C-A2926		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2311270070-19.BCG	Test Dates: 1/3/2024 - 3/24/2024	EUT Type: Tablet Device		Page 106 of 126

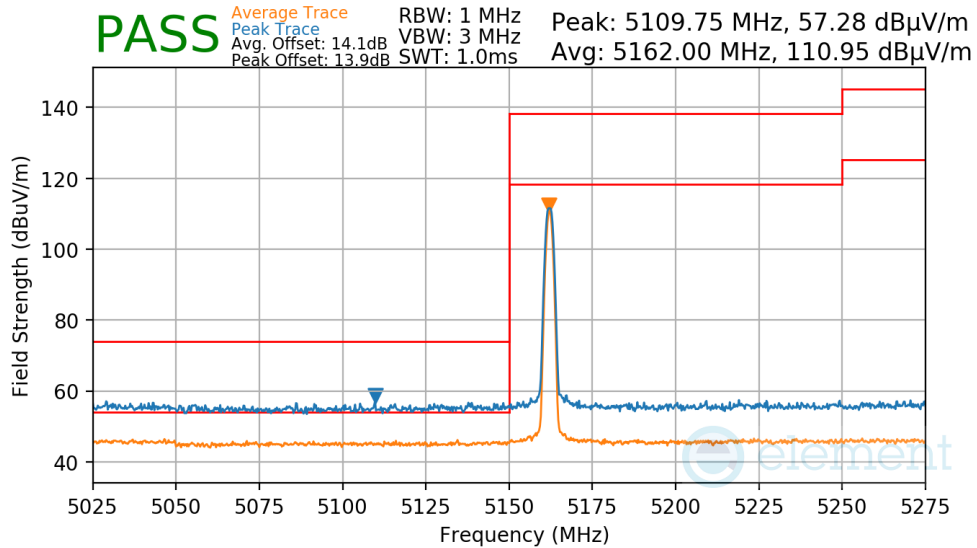


## 7.6.5 Radiated Band Edge Measurements

§15.407(b.1) §15.205 §15.209; RSS-Gen [8.9]

### Antenna WF5B

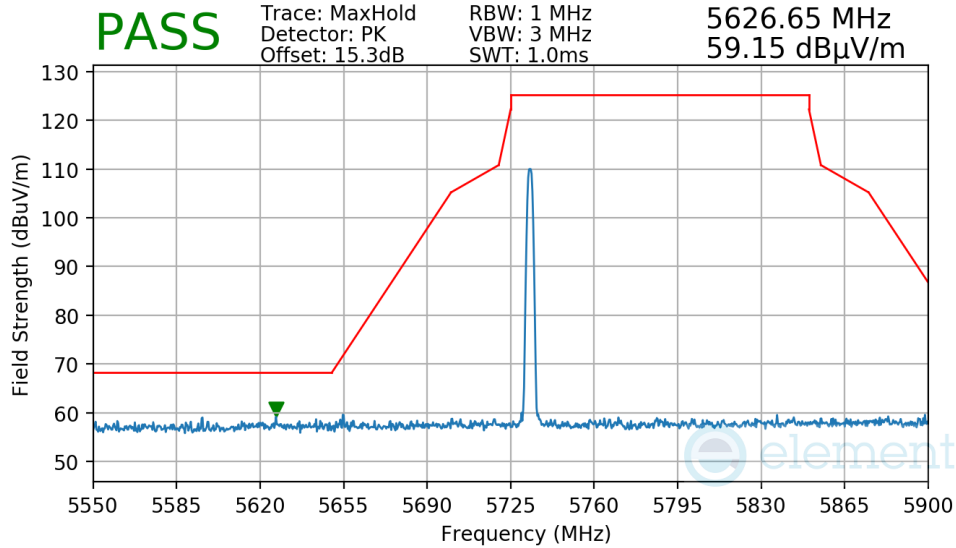
Mode: BDR  
 Power Scheme: ePA  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5162MHz



**Plot 7-114. Radiated Lower Band Edge Measurement Antenna WF5B**

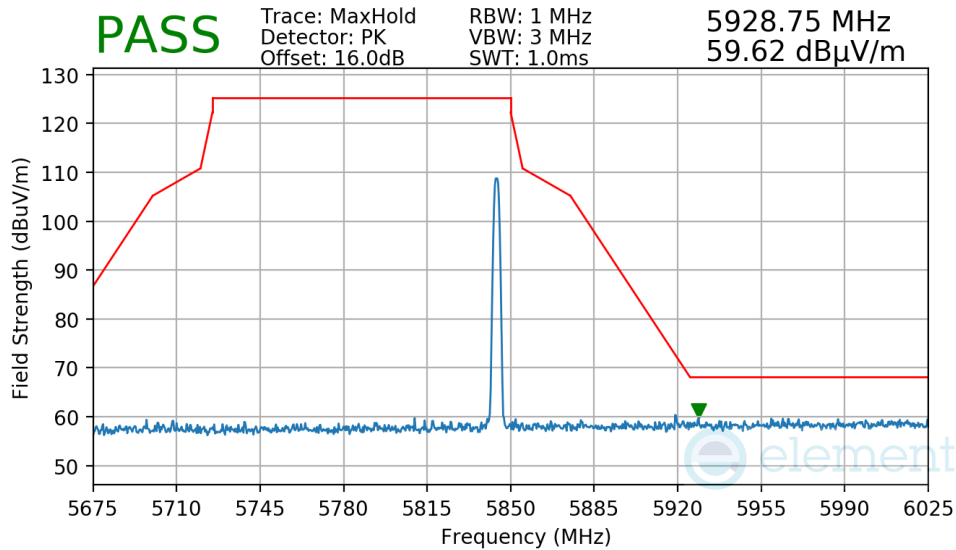
FCC ID: BCGA2926 IC: 579C-A2926		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270070-19.BCG	Test Dates: 1/3/2024 - 3/24/2024	EUT Type: Tablet Device	Page 107 of 126

Mode: BDR  
 Power Scheme: ePA  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5733MHz



**Plot 7-115. Radiated Lower Band Edge Measurement Antenna WF5B**

Mode: BDR  
 Power Scheme: ePA  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5844MHz



**Plot 7-116. Radiated Upper Band Edge Measurement Antenna WF5B**

FCC ID: BCGA2926 IC: 579C-A2926		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270070-19.BCG	Test Dates: 1/3/2024 - 3/24/2024	EUT Type: Tablet Device	Page 108 of 126

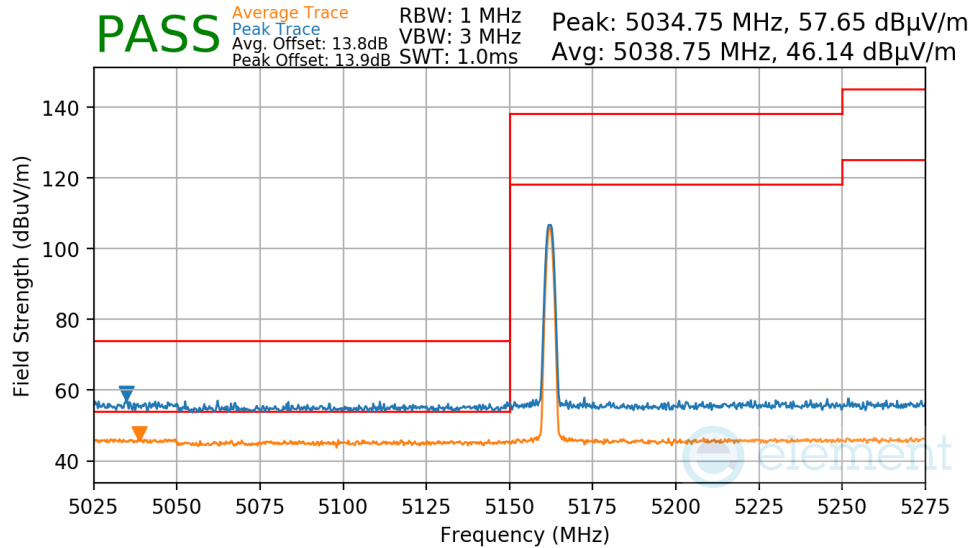


# Radiated Band Edge Measurements

§15.407(b.1) §15.205 §15.209; RSS-Gen [8.9]

## Antenna 4a

Mode: BDR  
 Power Scheme: ePA  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5162MHz

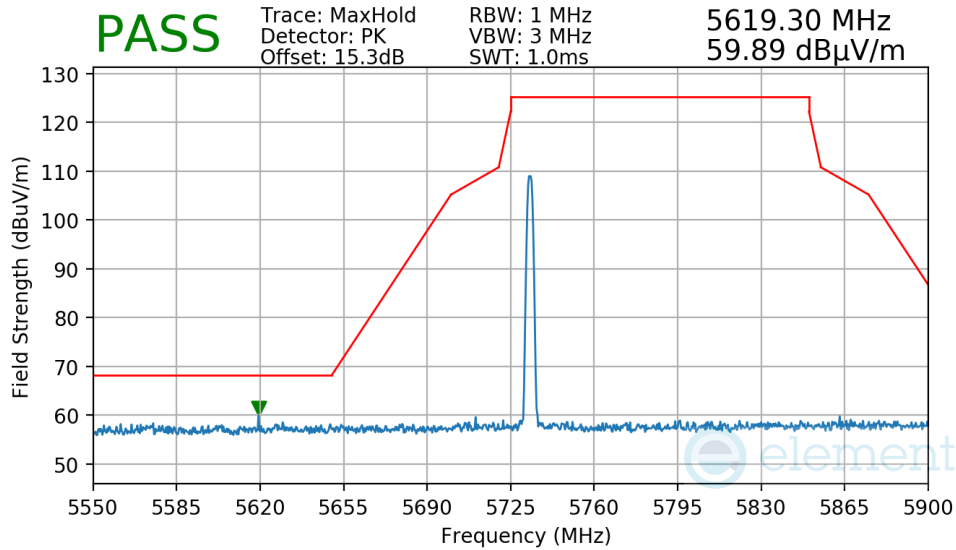


Plot 7-117. Radiated Lower Band Edge Measurement Antenna 4a

FCC ID: BCGA2926 IC: 579C-A2926		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270070-19.BCG	Test Dates: 1/3/2024 - 3/24/2024	EUT Type: Tablet Device	Page 109 of 126

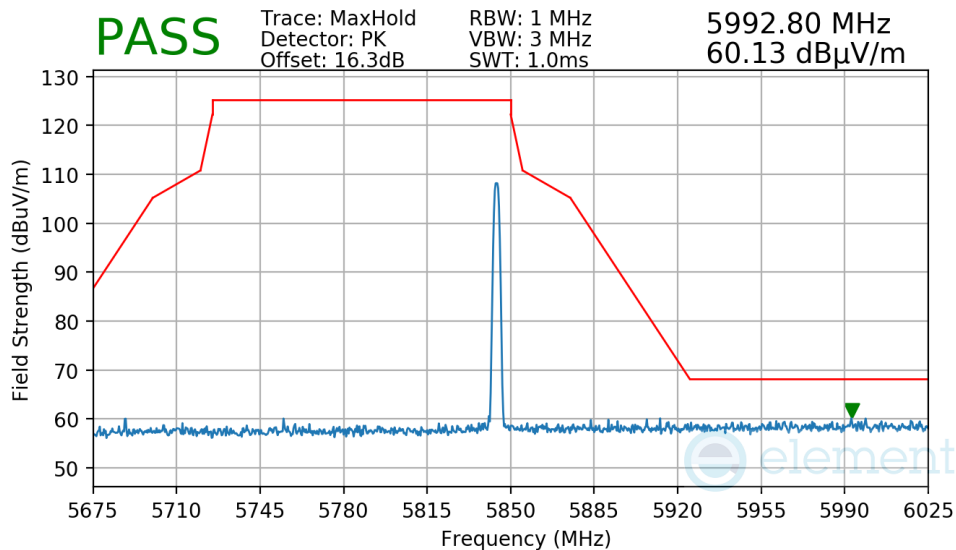
V 10.5 12/15/2021

Mode: BDR  
 Power Scheme: ePA  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5733MHz



**Plot 7-118. Radiated Lower Band Edge Measurement Antenna 4a**

Mode: BDR  
 Power Scheme: ePA  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5844MHz



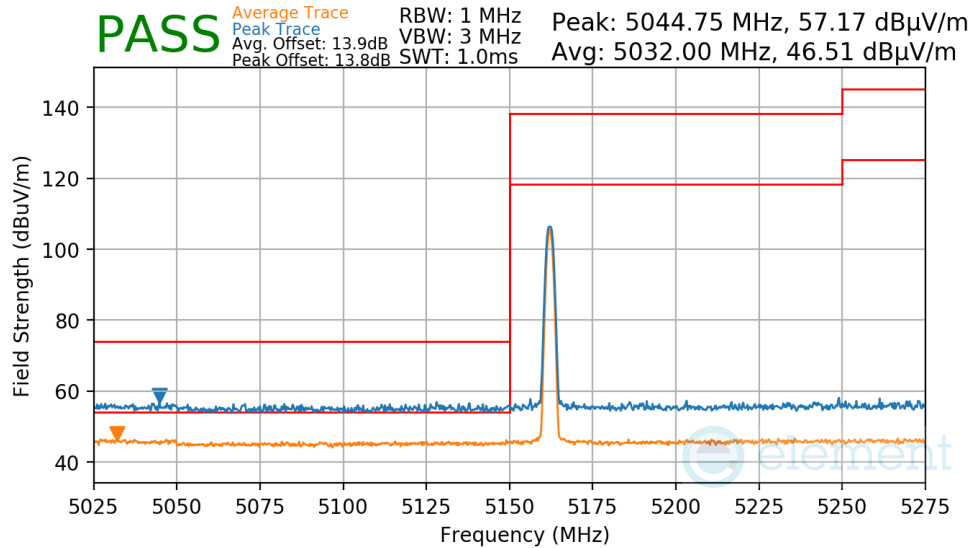
**Plot 7-119. Radiated Upper Band Edge Measurement Antenna 4a**

FCC ID: BCGA2926 IC: 579C-A2926		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270070-19.BCG	Test Dates: 1/3/2024 - 3/24/2024	EUT Type: Tablet Device	Page 110 of 126

**Radiated Band Edge Measurements**  
§15.407(b.1) §15.205 §15.209; RSS-Gen [8.9]

**Antenna 2a**

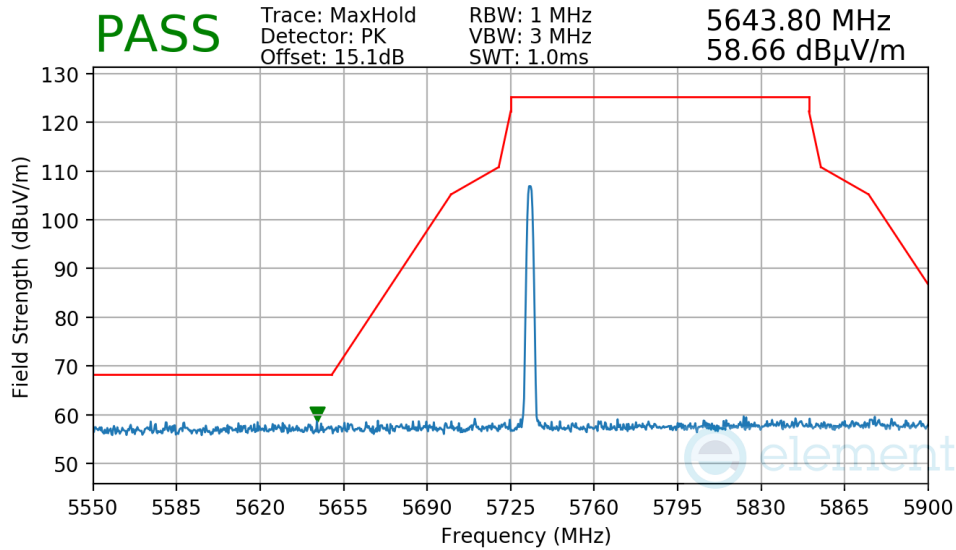
Mode: BDR  
 Power Scheme: ePA  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5162MHz



**Plot 7-120. Radiated Lower Band Edge Measurement Antenna 2a**

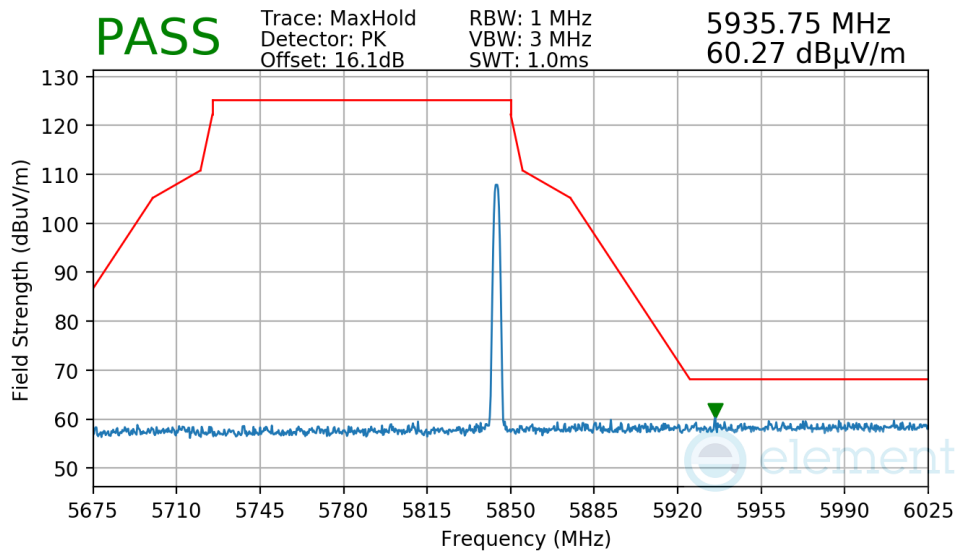
FCC ID: BCGA2926 IC: 579C-A2926		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270070-19.BCG	Test Dates: 1/3/2024 - 3/24/2024	EUT Type: Tablet Device	Page 111 of 126

Mode: BDR  
 Power Scheme: ePA  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5733MHz



**Plot 7-121. Radiated Lower Band Edge Measurement Antenna 2a**

Mode: BDR  
 Power Scheme: ePA  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5844MHz



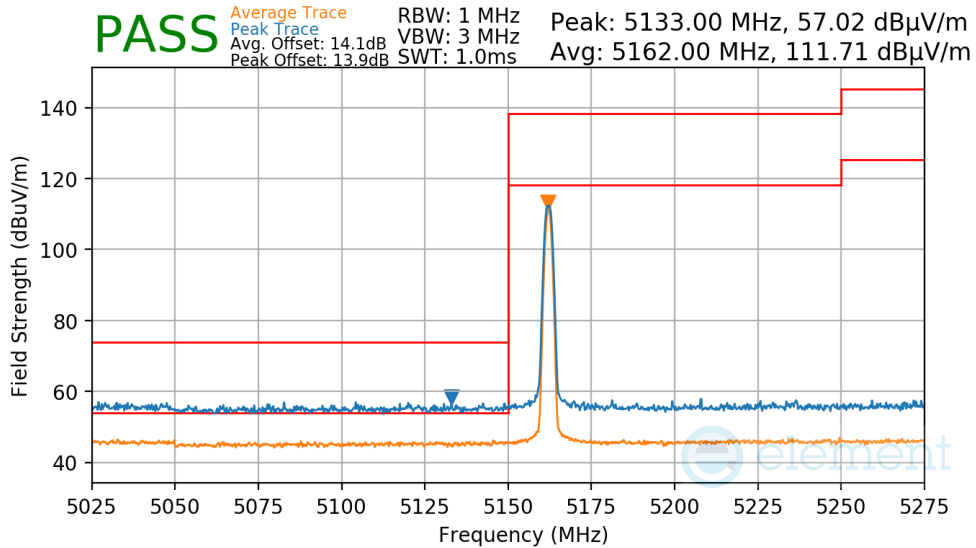
**Plot 7-122. Radiated Upper Band Edge Measurement Antenna 2a**

FCC ID: BCGA2926 IC: 579C-A2926		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270070-19.BCG	Test Dates: 1/3/2024 - 3/24/2024	EUT Type: Tablet Device	Page 112 of 126

**Radiated Band Edge Measurements**  
§15.407(b.1) §15.205 §15.209; RSS-Gen [8.9]

**TxBF**

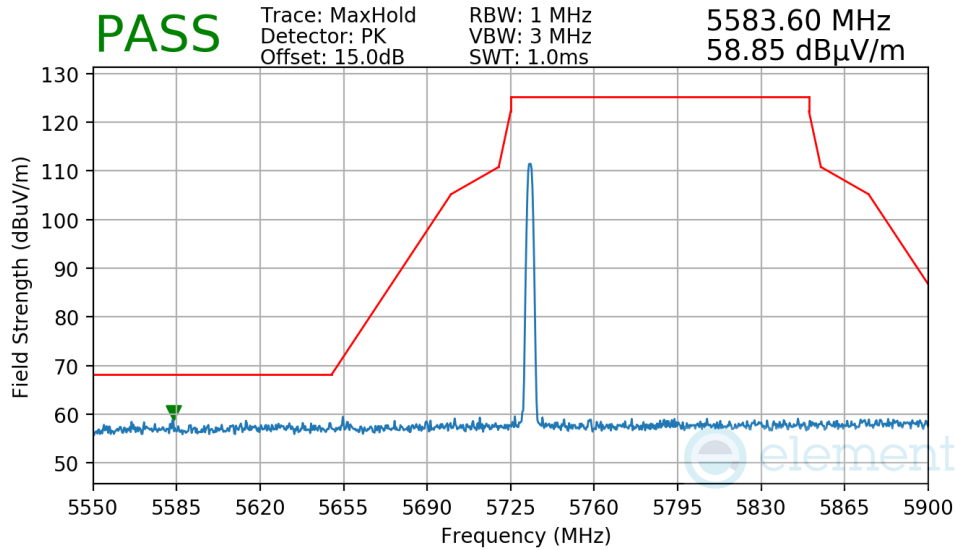
Mode: BDR  
 Power Scheme: ePA  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5162MHz



**Plot 7-123. Radiated Lower Band Edge Measurement TxBF**

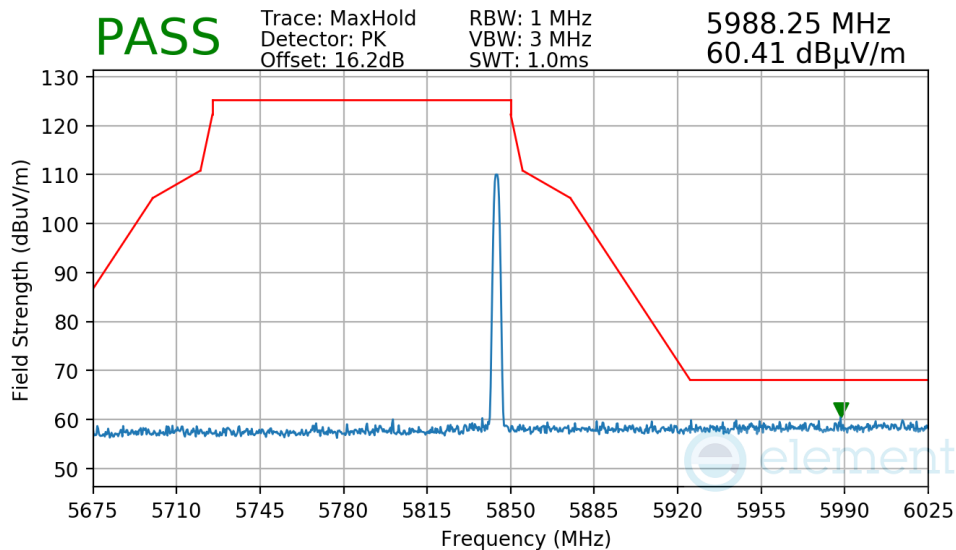
FCC ID: BCGA2926 IC: 579C-A2926		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270070-19.BCG	Test Dates: 1/3/2024 - 3/24/2024	EUT Type: Tablet Device	Page 113 of 126

Mode: BDR  
 Power Scheme: ePA  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5733MHz



**Plot 7-124. Radiated Lower Band Edge Measurement TxBF**

Mode: BDR  
 Power Scheme: ePA  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5844MHz



**Plot 7-125. Radiated Upper Band Edge Measurement TxBF**

FCC ID: BCGA2926 IC: 579C-A2926		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270070-19.BCG	Test Dates: 1/3/2024 - 3/24/2024	EUT Type: Tablet Device	Page 114 of 126



## 7.7 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 7-53 per Section 15.209 and RSS-Gen (8.9).**

Frequency	Field Strength [ $\mu\text{V/m}$ ]	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 7-53. 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

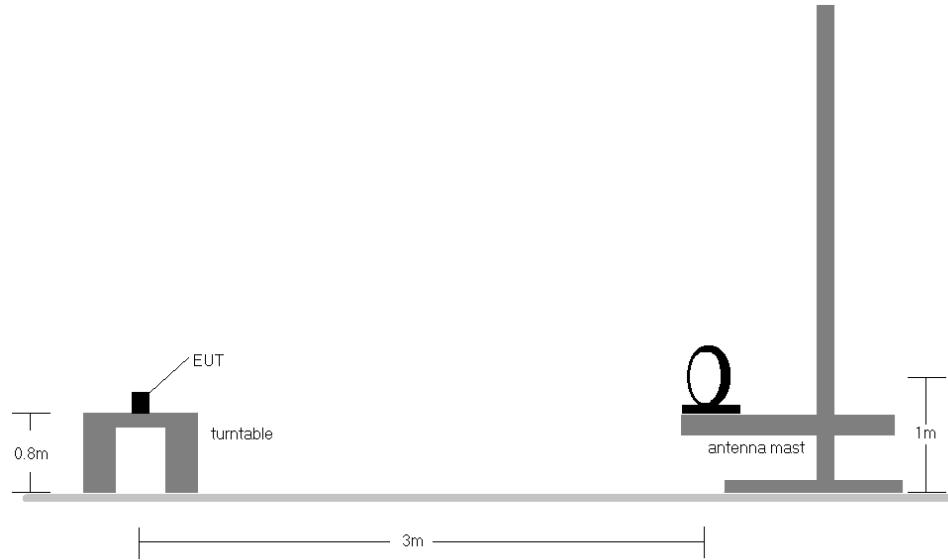
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 120kHz (for emissions from 30MHz – 1GHz)
3. VBW = 300kHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

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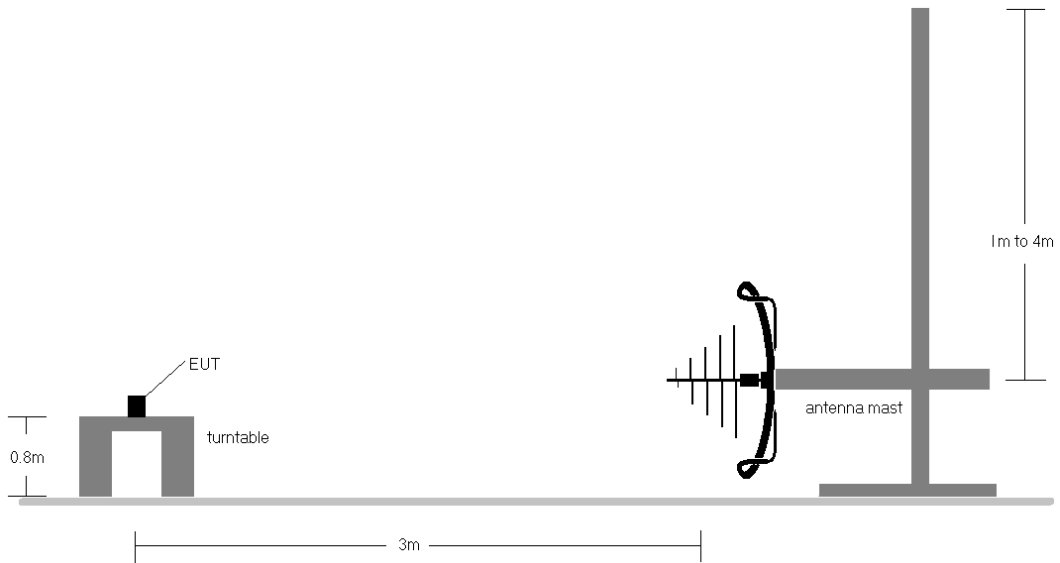
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**Test Setup**

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



**Figure 7-6. Radiated Test Setup < 30MHz**



**Figure 7-7. Radiated Test Setup < 1GHz**

<b>FCC ID:</b> BCGA2926 <b>IC:</b> 579C-A2926		<b>MEASUREMENT REPORT (CERTIFICATION)</b>	<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2311270070-19.BCG	<b>Test Dates:</b> 1/3/2024 - 3/24/2024	<b>EUT Type:</b> Tablet Device	Page 116 of 126

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**Test Notes**

1. All emissions lying in restricted bands specified in §15.205 are below the limit shown in Table 7-53.
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 for emissions 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 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 to USB-C cable with wire charger
  - b. EUT powered by host PC via USB-C cable with wire charger

**Sample Calculations**

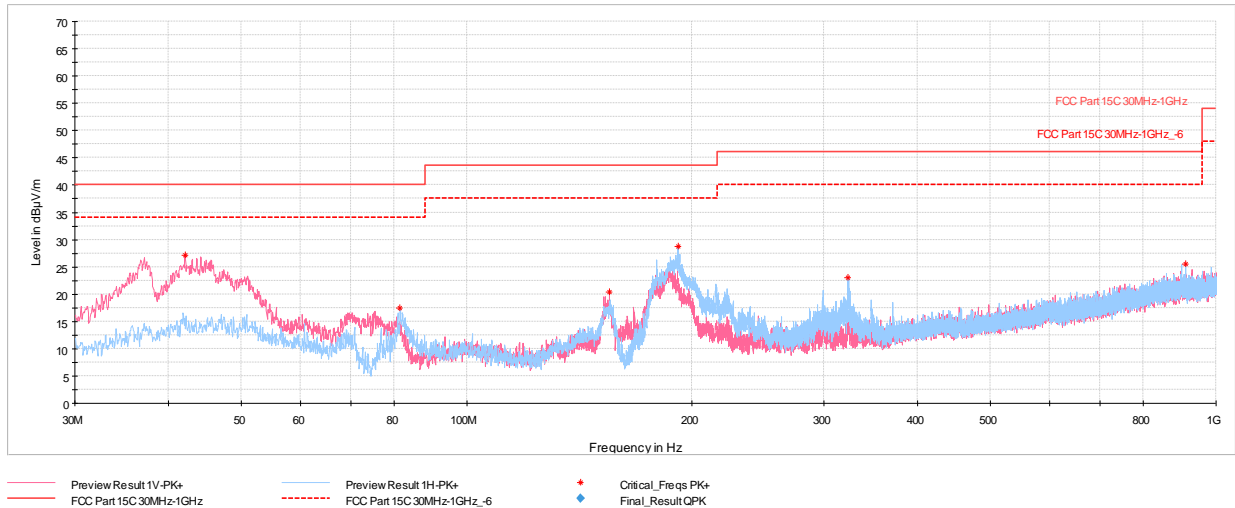
**Determining Spurious Emissions Levels**

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

FCC ID: BCGA2926 IC: 579C-A2926	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1C2311270070-19.BCG	<b>Test Dates:</b> 1/3/2024 - 3/24/2024	<b>EUT Type:</b> Tablet Device	Page 117 of 126

## Radiated Spurious Emissions (Below 1GHz)

§15.209; RSS-Gen [8.9]

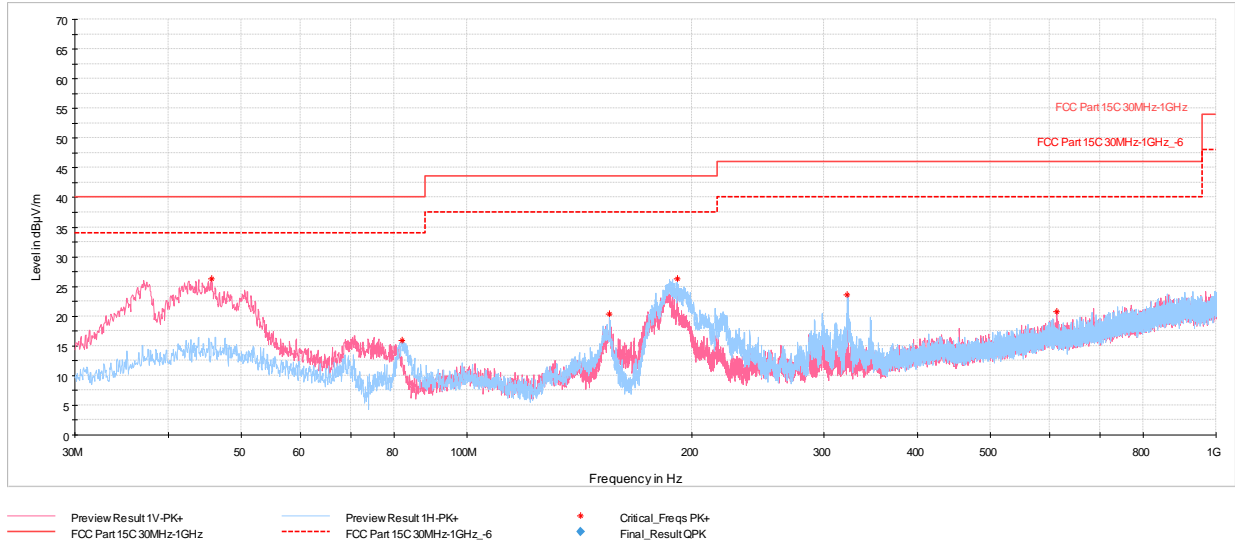


Plot 7-126. Radiated Spurious Emissions Below 1GHz TxBF (BDR GFSK ePA – 5245MHz), with AC/DC Adapter

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]
42.08	Max-Peak	V	100	318	-66.25	-13.55	27.20	40.00	-12.80
81.46	Max-Peak	H	200	257	-68.64	-20.91	17.45	40.00	-22.55
155.08	Max-Peak	V	100	4	-66.67	-19.95	20.38	43.52	-23.14
191.46	Max-Peak	H	100	205	-60.85	-17.33	28.82	43.52	-14.70
322.94	Max-Peak	H	100	278	-70.14	-13.81	23.05	46.02	-22.97
911.05	Max-Peak	H	100	322	-79.07	-2.46	25.47	46.02	-20.55

Table 7-54. Radiated Spurious Emissions Below 1GHz TxBF (BDR GFSK ePA – 5245MHz), with AC/DC Adapter

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**Plot 7-127. Radiated Spurious Emissions Below 1GHz TxBF (BDR GFSK ePA – 5844MHz), 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]
45.67	Max-Peak	V	100	0	-67.26	-13.45	26.29	40.00	-13.71
81.94	Max-Peak	H	200	88	-70.37	-20.78	15.85	40.00	-24.15
154.98	Max-Peak	V	100	6	-66.65	-19.96	20.39	43.52	-23.13
190.92	Max-Peak	H	100	211	-63.31	-17.41	26.28	43.52	-17.24
322.26	Max-Peak	H	100	279	-69.61	-13.84	23.55	46.02	-22.47
612.34	Max-Peak	V	300	147	-78.66	-7.54	20.80	46.02	-25.22

**Table 7-55. Radiated Spurious Emissions Below 1GHz TxBF (BDR GFSK ePA – 5844MHz), with AC/DC Adapter**

FCC ID: BCGA2926 IC: 579C-A2926		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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## 7.8 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. All data rates and modes were investigated for AC Line conducted spurious emissions.

**All conducted emissions must not exceed the limits shown in the table below, per Section 15.207.**

Frequency of emission (MHz)	Conducted Limit (dB $\mu$ V)	
	Quasi-peak	Average
0.15 – 0.5	66 to 56*	56 to 46*
0.5 – 5	56	46
5 – 30	60	50

**Table 7-56. Conducted Limits**

\*Decreases with the logarithm of the frequency.

### 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
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

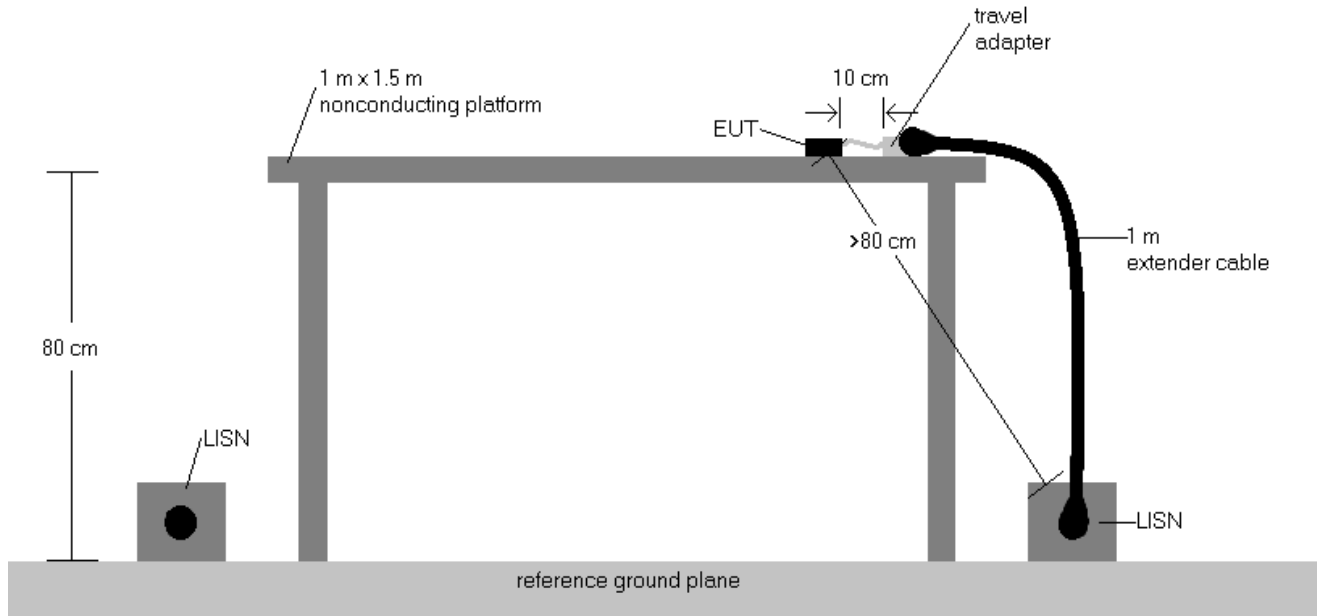
#### Average Measurements

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.



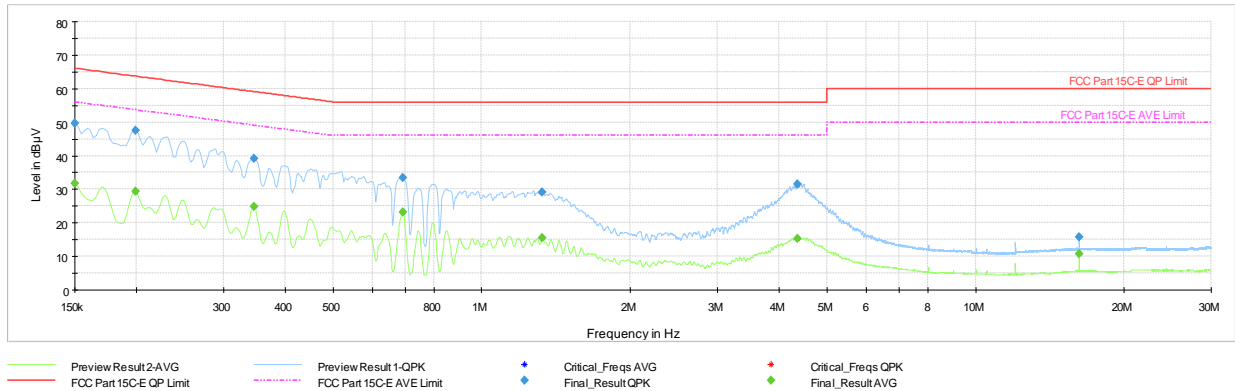
**Figure 7-8. Test Instrument & Measurement Setup**

## 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 to 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 15.207.
4.  $\text{Corr. (dB)} = \text{Cable loss (dB)} + \text{LISN insertion factor (dB)}$
5.  $\text{QP/AV Level (dB}\mu\text{V)} = \text{QP/AV Analyzer/Receiver Level (dB}\mu\text{V)} + \text{Correction Factor (dB)}$
6.  $\text{Margin (dB)} = \text{QP/AV Level (dB}\mu\text{V)} - \text{QP/AV Limit (dB}\mu\text{V)}$
7. Traces shown in plots are made using quasi-peak and average detectors.
8. Deviations to the Specifications: None.

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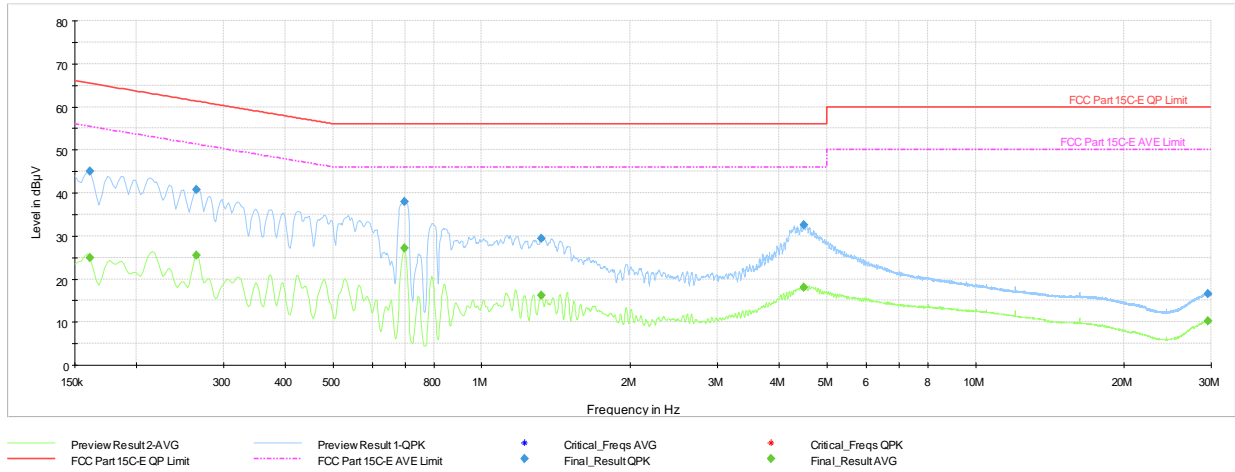
**Plot 7-128. AC Line Conducted Plot TxBF (BDR GFSK ePA – 5245MHz) (L1) with AC/DC Adapter**

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.150	FINAL	—	31.72	56.00	-24.28	L1	GND
0.150	FINAL	49.6	—	66.00	-16.39	L1	GND
0.200	FINAL	—	29.49	53.63	-24.14	L1	GND
0.200	FINAL	47.5	—	63.63	-16.18	L1	GND
0.346	FINAL	—	24.89	49.06	-24.17	L1	GND
0.346	FINAL	39.3	—	59.06	-19.81	L1	GND
0.692	FINAL	—	23.06	46.00	-22.94	L1	GND
0.692	FINAL	33.4	—	56.00	-22.57	L1	GND
1.325	FINAL	29.2	—	56.00	-26.79	L1	GND
1.325	FINAL	—	15.46	46.00	-30.54	L1	GND
4.362	FINAL	31.4	—	56.00	-24.56	L1	GND
4.362	FINAL	—	15.37	46.00	-30.63	L1	GND

**Table 7-57. AC Line Conducted Data TxBF (BDR GFSK ePA– 5245MHz) (L1) with AC/DC Adapter**

FCC ID: BCGA2926 IC: 579C-A2926			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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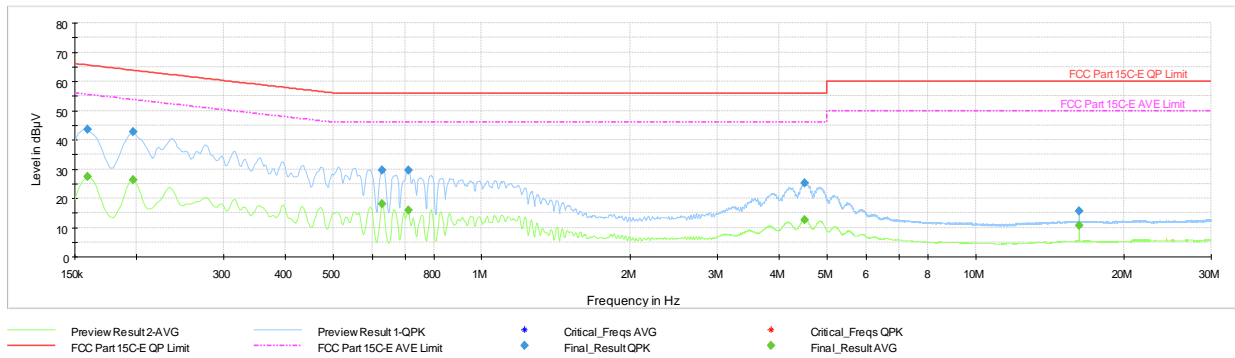


**Plot 7-129. AC Line Conducted Plot TxBF (BDR GFSK ePA – 5245MHz) (N) with AC/DC Adapter**

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.161	FINAL	—	24.89	55.40	-30.51	N	GND
0.161	FINAL	44.9	—	65.40	-20.46	N	GND
0.265	FINAL	—	25.53	51.28	-25.76	N	GND
0.265	FINAL	40.7	—	61.28	-20.60	N	GND
0.697	FINAL	—	27.17	46.00	-18.83	N	GND
0.697	FINAL	37.9	—	56.00	-18.11	N	GND
1.322	FINAL	29.5	—	56.00	-26.53	N	GND
1.322	FINAL	—	16.17	46.00	-29.83	N	GND
4.495	FINAL	32.5	—	56.00	-23.47	N	GND
4.495	FINAL	—	17.98	46.00	-28.02	N	GND
29.526	FINAL	—	10.22	50.00	-39.78	N	GND
29.526	FINAL	16.6	—	60.00	-43.45	N	GND

**Table 7-58. AC Line Conducted Data TxBF (BDR GFSK ePA – 5245MHz) (N) with AC/DC Adapter**

FCC ID: BCGA2926 IC: 579C-A2926		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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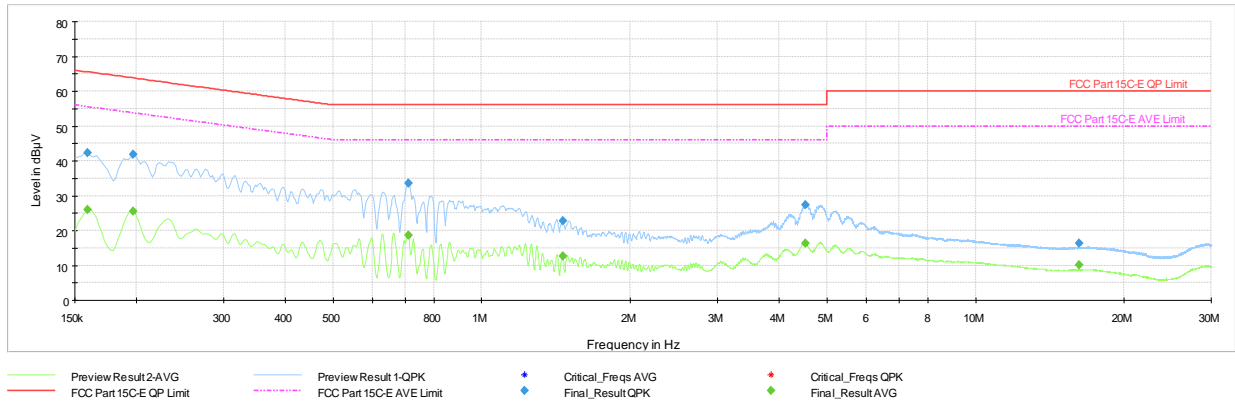


**Plot 7-130. AC Line Conducted Plot TxBF (BDR GFSK ePA – 5844MHz) (L1) with AC/DC Adapter**

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.159	FINAL	—	27.29	55.52	-28.22	L1	GND
0.159	FINAL	43.6	—	65.52	-21.93	L1	GND
0.197	FINAL	—	26.26	53.73	-27.47	L1	GND
0.197	FINAL	42.7	—	63.73	-21.05	L1	GND
0.629	FINAL	—	18.07	46.00	-27.93	L1	GND
0.629	FINAL	29.5	—	56.00	-26.48	L1	GND
0.710	FINAL	29.7	—	56.00	-26.29	L1	GND
0.710	FINAL	—	16.00	46.00	-30.00	L1	GND
4.499	FINAL	25.1	—	56.00	-30.89	L1	GND
4.499	FINAL	—	12.73	46.00	-33.27	L1	GND
16.224	FINAL	—	10.58	50.00	-39.42	L1	GND
16.224	FINAL	15.6	—	60.00	-44.36	L1	GND

**Table 7-59. AC Line Conducted Data TxBF (BDR GFSK ePA– 5844MHz) (L1) with AC/DC Adapter**

FCC ID: BCGA2926 IC: 579C-A2926		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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**Plot 7-131. AC Line Conducted Plot TxBF (BDR GFSK ePA – 5844MHz) (N) with AC/DC Adapter**

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.159	FINAL	—	25.91	55.52	-29.61	N	GND
0.159	FINAL	42.3	—	65.52	-23.25	N	GND
0.197	FINAL	—	25.49	53.73	-28.24	N	GND
0.197	FINAL	41.7	—	63.73	-21.99	N	GND
0.710	FINAL	—	18.60	46.00	-27.40	N	GND
0.710	FINAL	33.5	—	56.00	-22.54	N	GND
1.460	FINAL	22.7	—	56.00	-33.31	N	GND
1.460	FINAL	—	12.64	46.00	-33.36	N	GND
4.522	FINAL	27.3	—	56.00	-28.73	N	GND
4.522	FINAL	—	16.36	46.00	-29.64	N	GND
16.229	FINAL	—	10.21	50.00	-39.79	N	GND
16.229	FINAL	16.3	—	60.00	-43.70	N	GND

**Table 7-60. AC Line Conducted Data TxBF (BDR GFSK ePA – 5844MHz) (N) with AC/DC Adapter**

FCC ID: BCGA2926 IC: 579C-A2926		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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## 8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Apple Tablet Device FCC ID: BCGA2926, IC: 579C-A2926** is in compliance with Part 15 Subpart E (15.407) of the FCC Rules and RSS-247 of the Innovation, Science and Economic Development Canada Rules.

<b>FCC ID:</b> BCGA2926 <b>IC:</b> 579C-A2926	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>		<b>Approved by:</b> Technical Manager
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