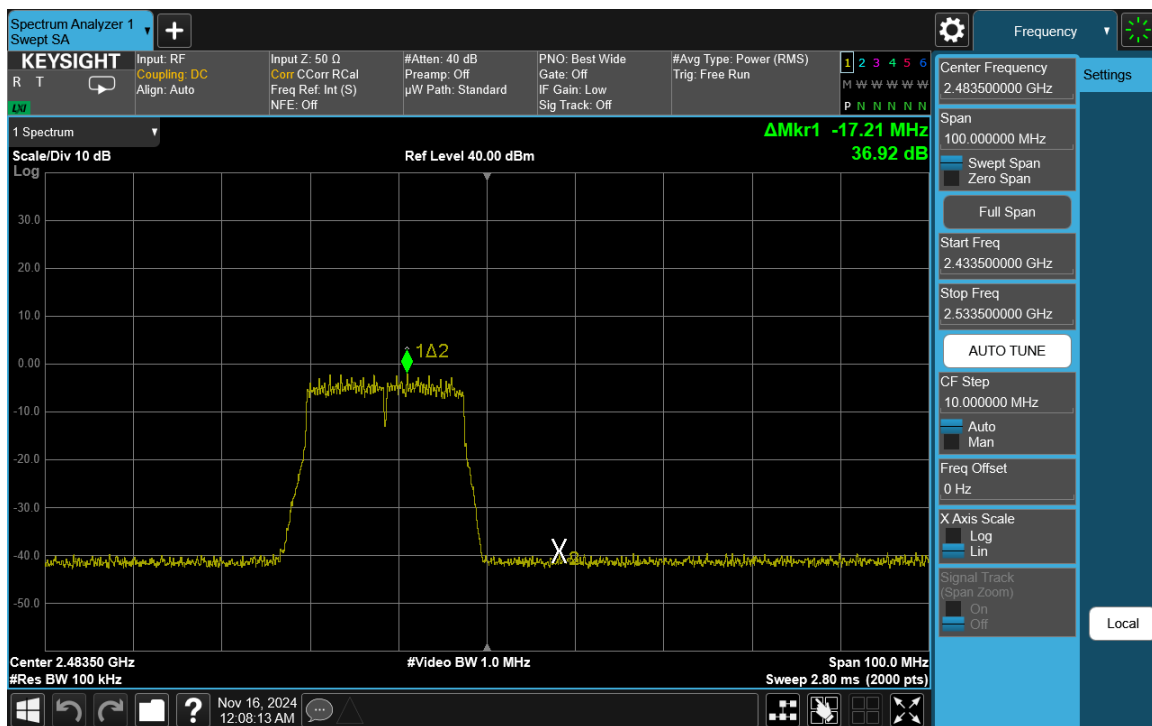


Plot 7-72. Band Edge Plot Antenna WF2b (802.11n (2.4GHz) – Ch. 12)

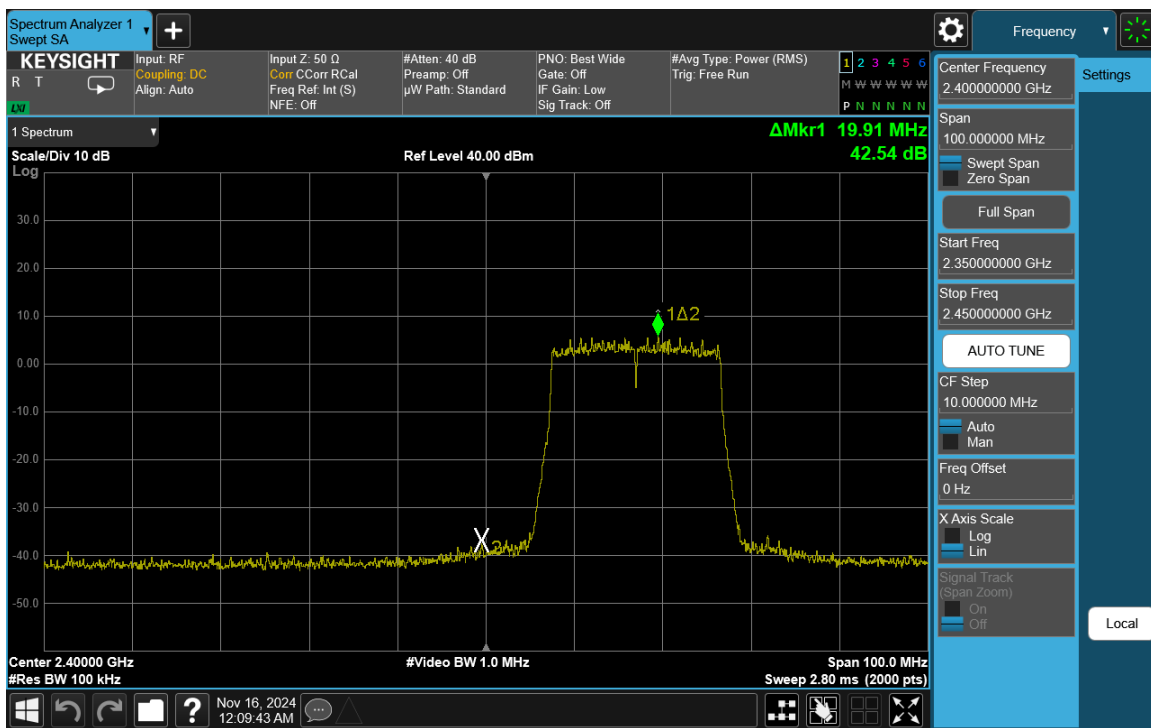
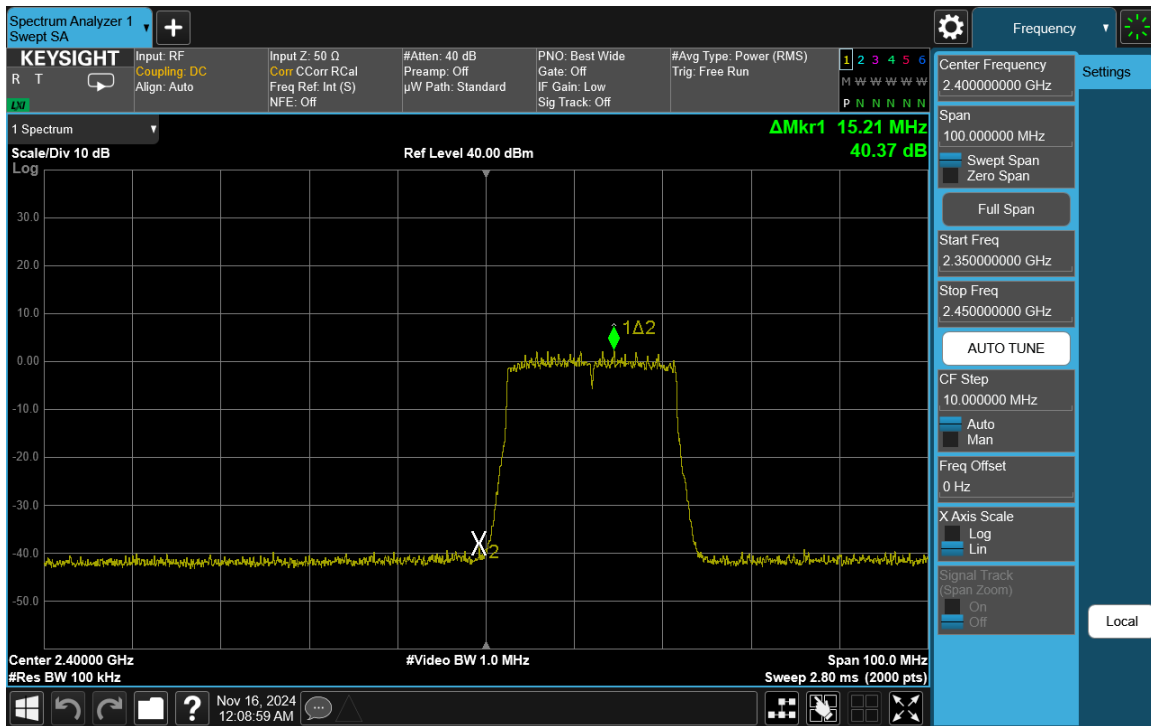


Plot 7-73. Band Edge Plot Antenna WF2b (802.11n (2.4GHz) – Ch. 13)

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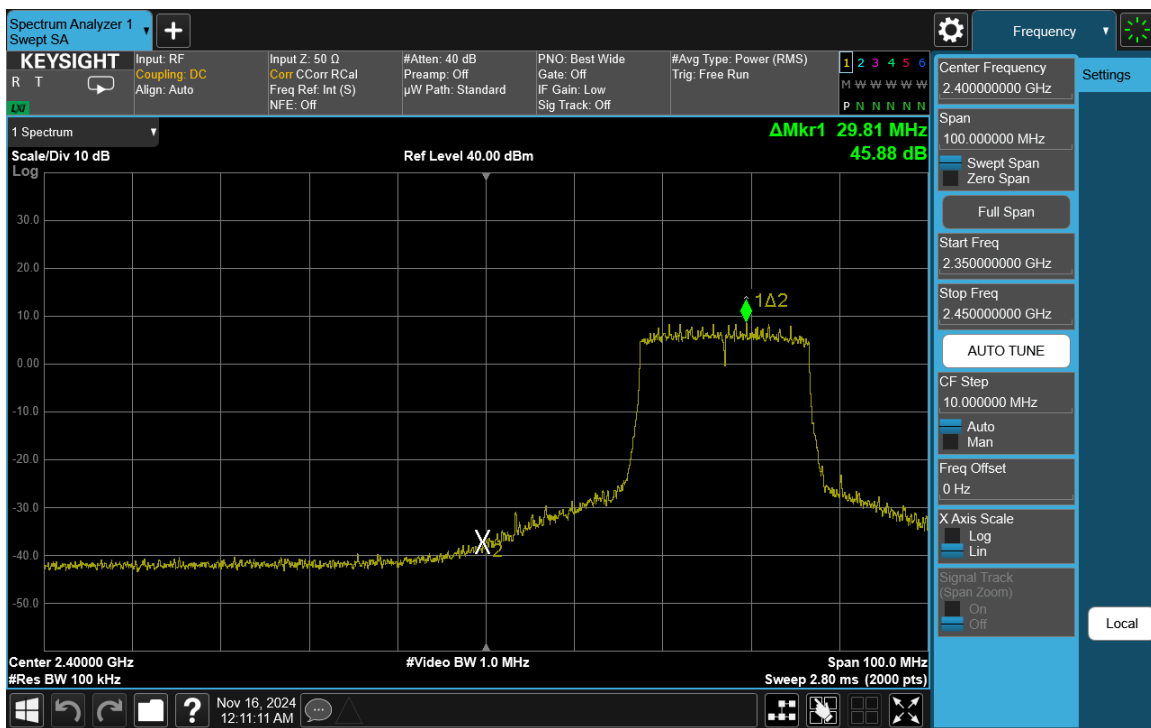
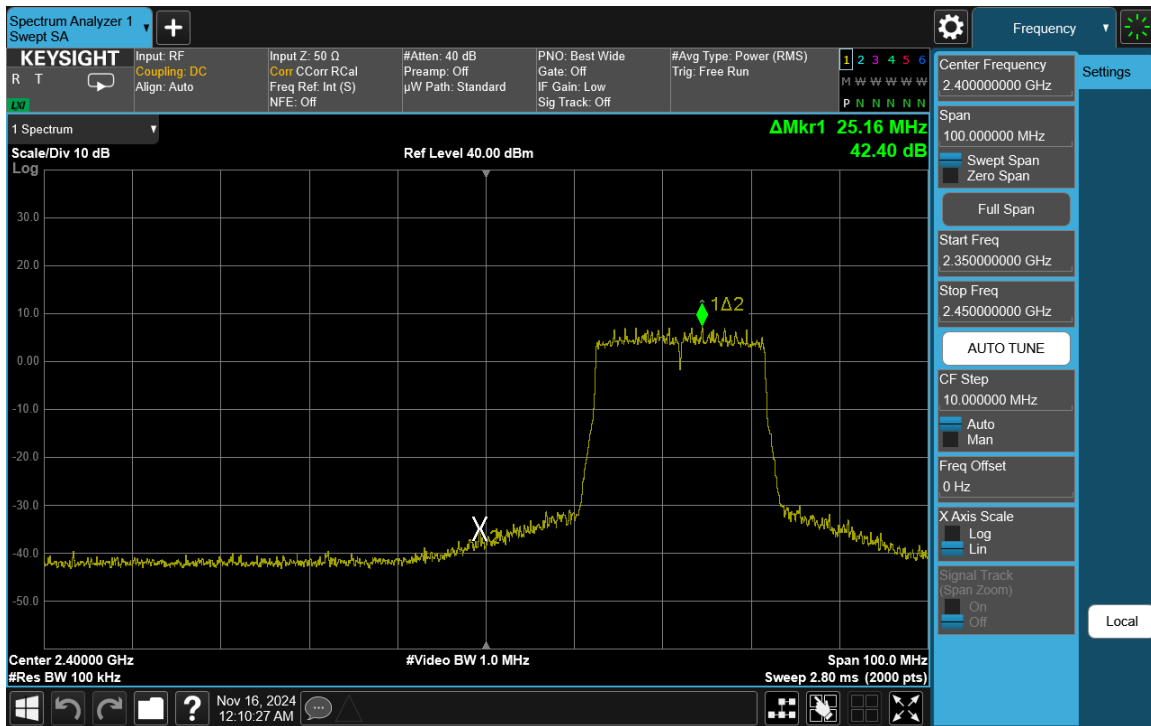
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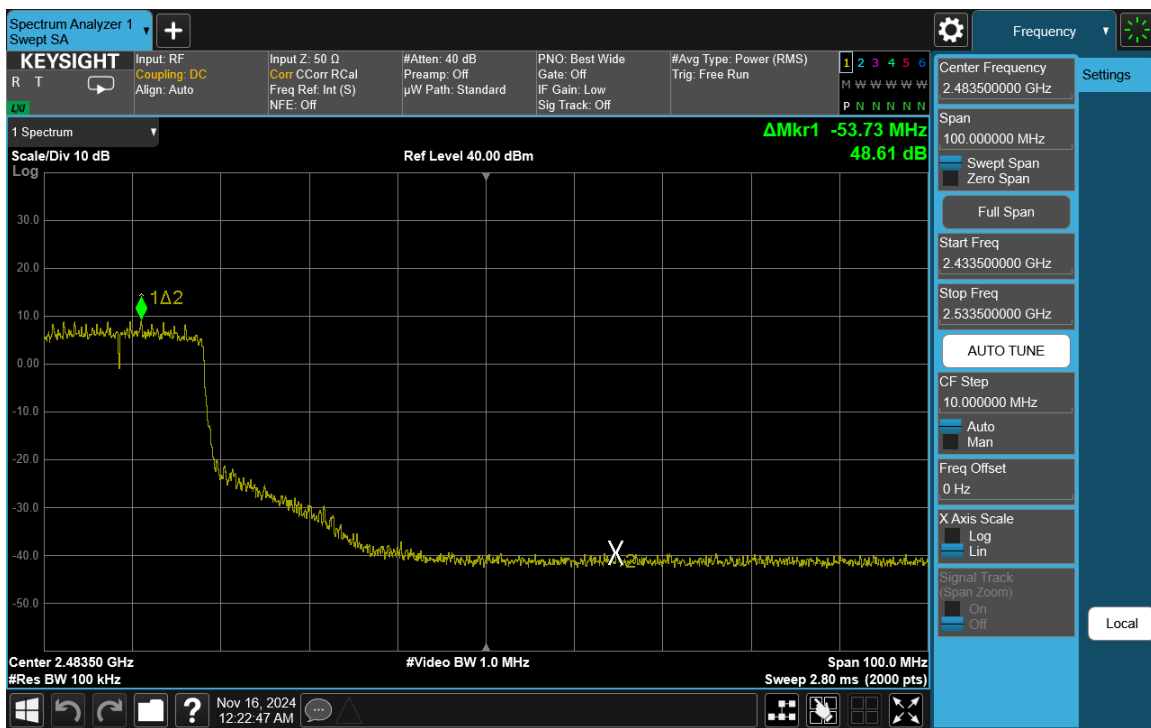
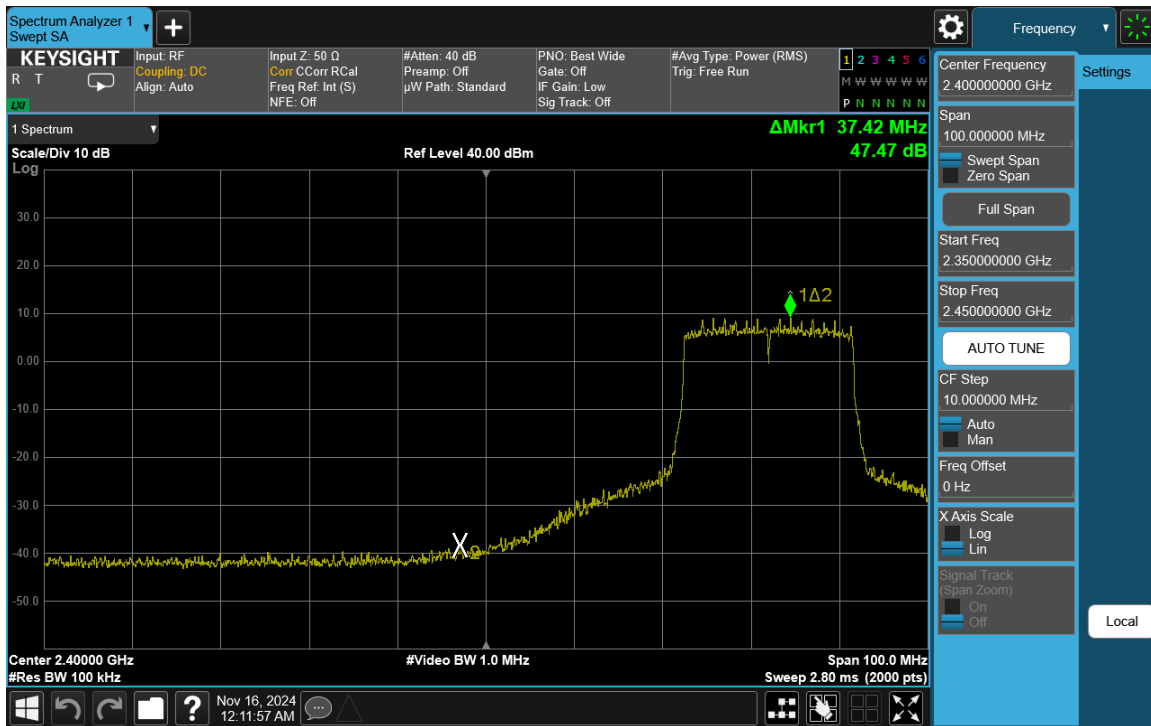
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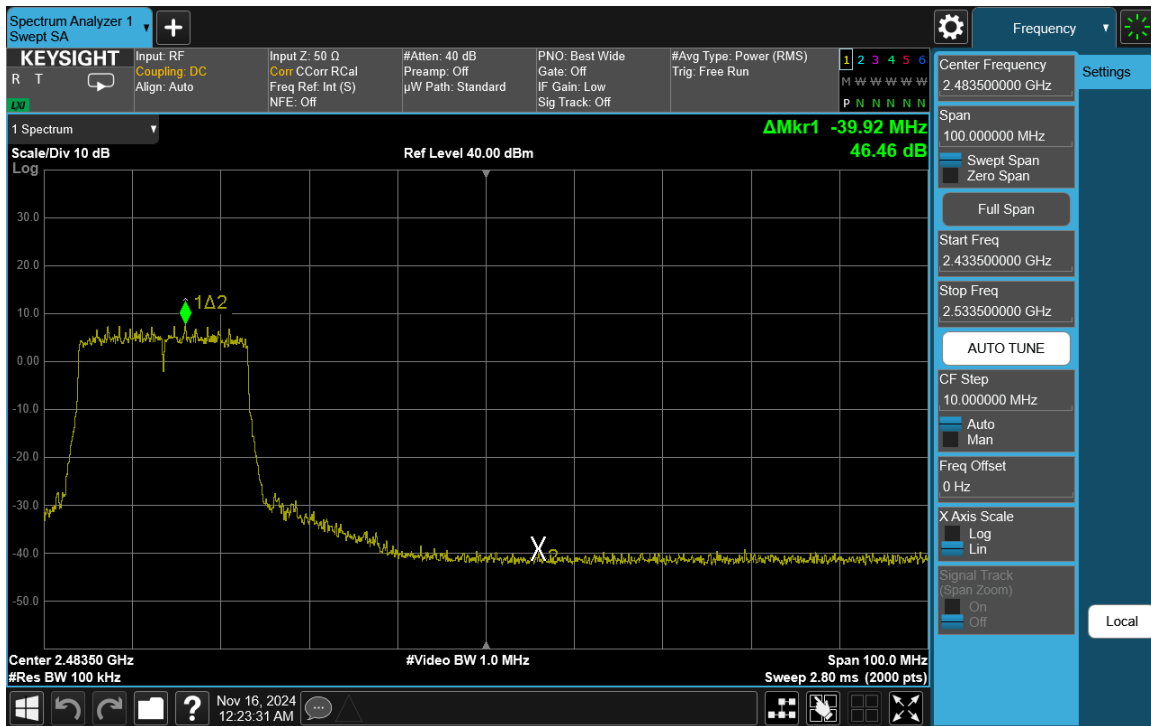
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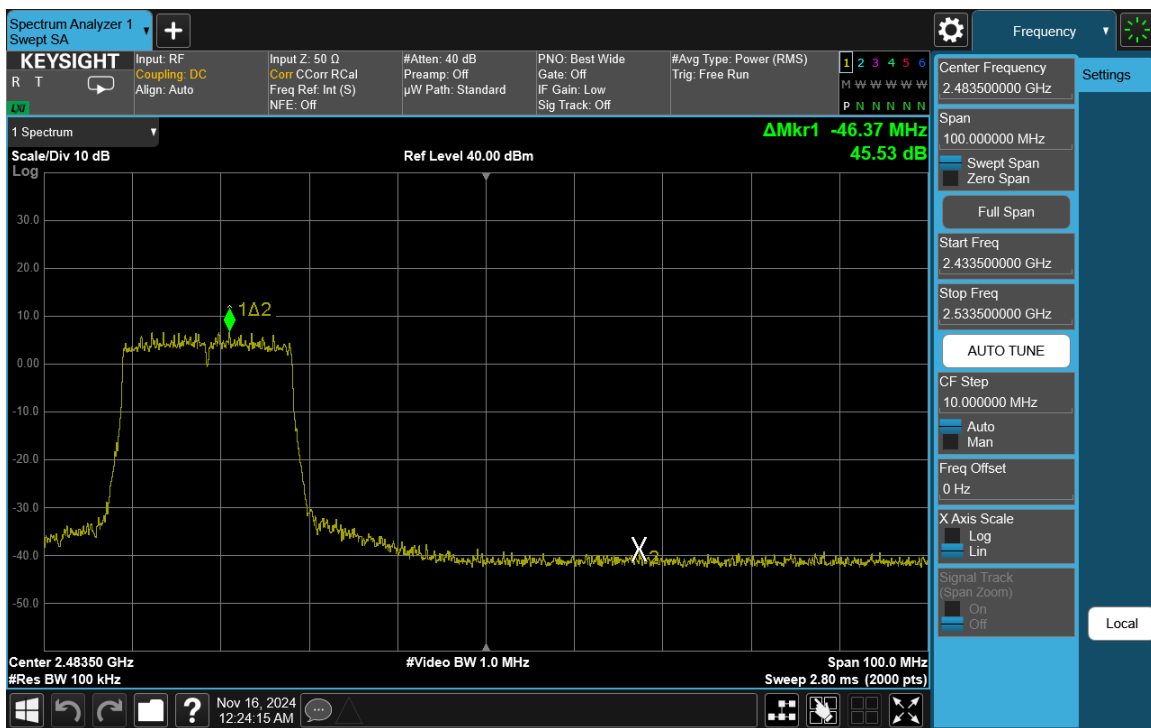
FCC ID: BCGA3268 IC: 579C-A3268		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-80. Band Edge Plot Antenna WF2b (802.11ax (SU - 2.4GHz) – Ch. 8)

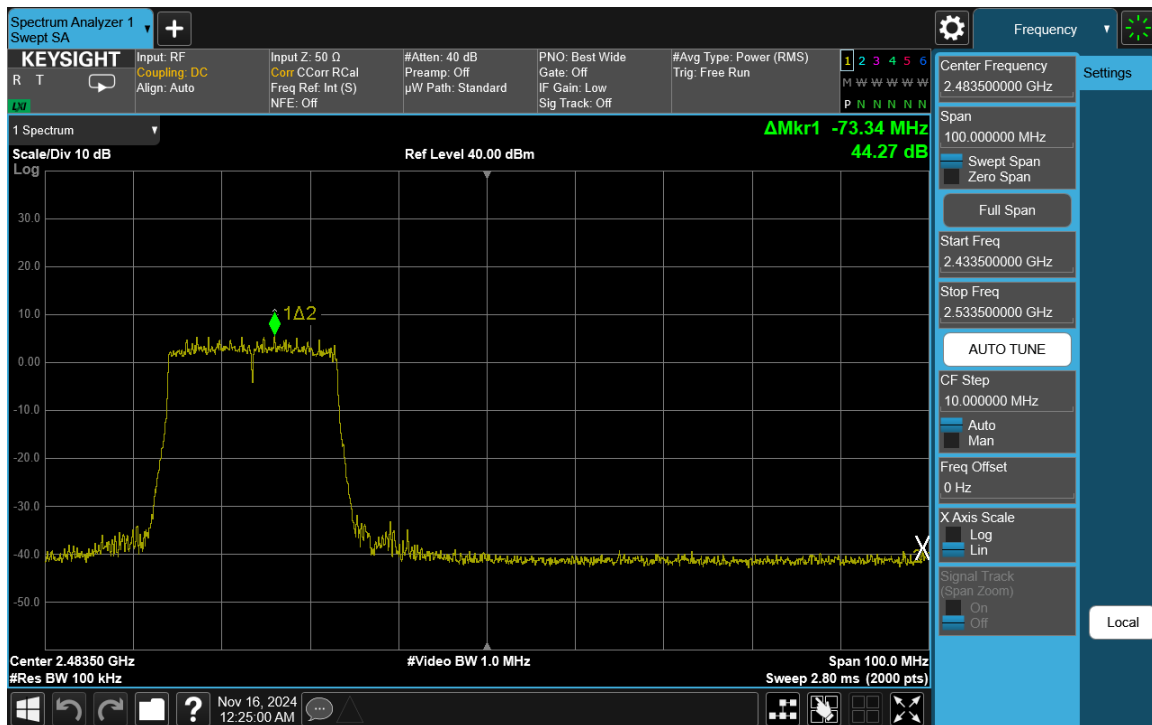


Plot 7-81. Band Edge Plot Antenna WF2b (802.11ax (SU - 2.4GHz) – Ch. 9)

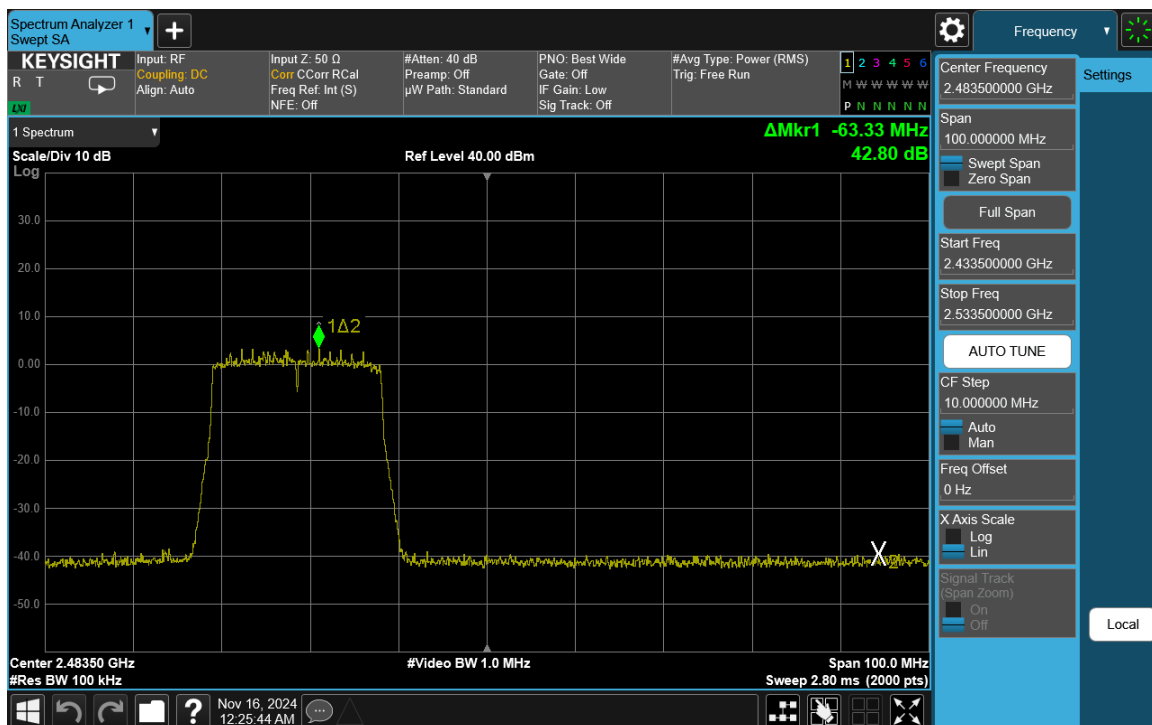
FCC ID: BCGA3268 IC: 579C-A3268		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-82. Band Edge Plot Antenna WF2b (802.11ax (SU - 2.4GHz) – Ch. 10)

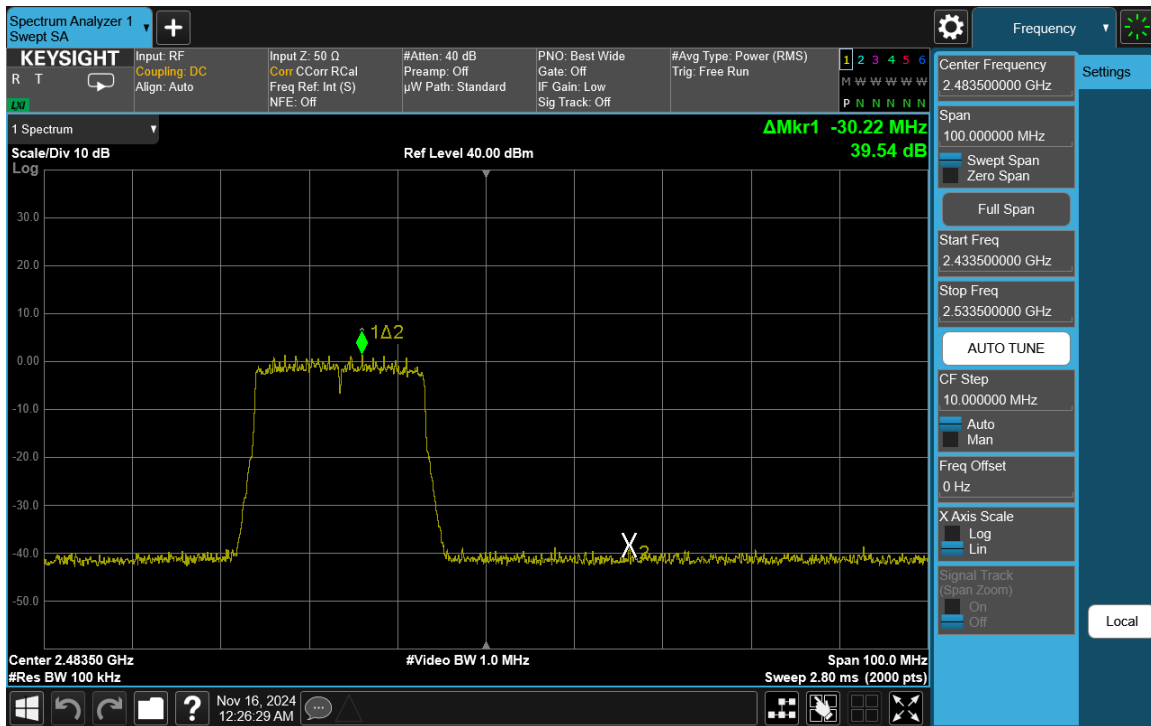


Plot 7-83. Band Edge Plot Antenna WF2b (802.11ax (SU - 2.4GHz) – Ch. 11)

FCC ID: BCGA3268 IC: 579C-A3268		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-84. Band Edge Plot Antenna WF2b (802.11ax (SU - 2.4GHz) – Ch. 12)

FCC ID: BCGA3268 IC: 579C-A3268	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Technical Manager
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## 7.6 Conducted Spurious Emissions

§15.247(d); RSS-247 [5.5]

### Test Overview and Limit

All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst case configuration. For the following out of band conducted spurious emissions plots, the EUT was investigated in all available data rates for “b”, “g”, “n”, “ax-SU” modes. The worst case spurious emissions for the 2.4GHz band were found while transmitting in “b” mode at 11 Mbps and are shown in the plots below.

***The limit for out-of-band spurious emissions at the band edge is 20dB below the fundamental emission level, as determined from the in-band power measurement of the DTS channel performed in a 100kHz bandwidth per the procedure in Section 11.11 of ANSI C63.10-2020 and KDB 558074 D01 v05r02.***

### Test Procedure Used

ANSI C63.10-2020 – Subclause 11.11.3  
 KDB 558074 D01 v05r02 – Section 8.5  
 ANSI C63.10-2020 – Subclause 14.3.3  
 KDB 662911 D01 v02r01 – Section E)3)b)

### Test Settings

1. Start frequency was set to 30MHz and stop frequency was set to 25GHz (separated into two plots per channel)
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = Peak
5. Trace mode = max hold
6. Sweep time = auto couple
7. The trace was allowed to stabilize

### Test Setup

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



**Figure 7-5. Test Instrument & Measurement Setup**

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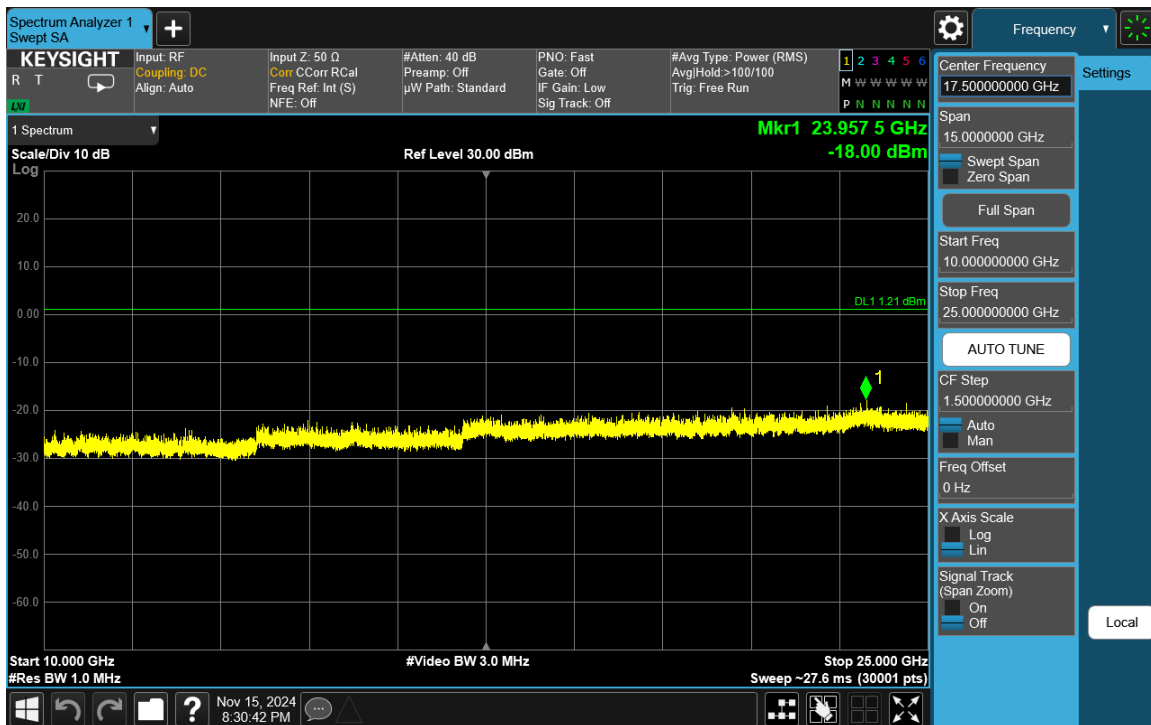
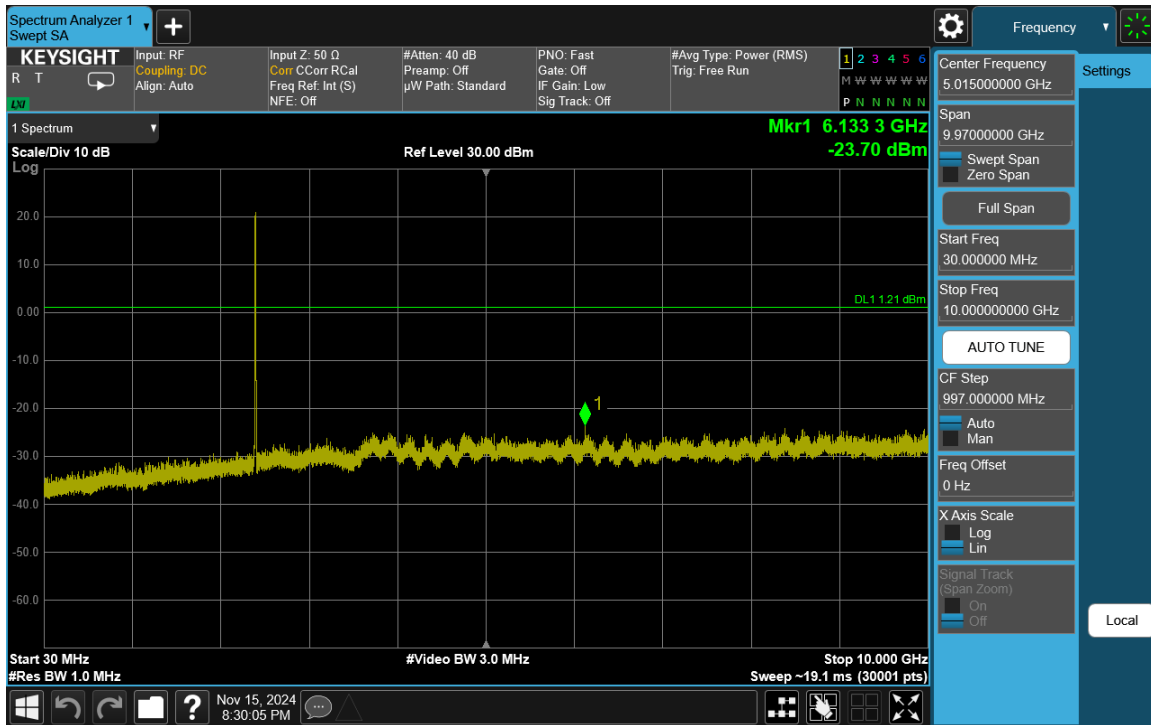
## Test Notes

1. RBW was set to 1MHz rather than 100kHz in order to increase the measurement speed.
2. The display line shown in the following plots denotes the limit at 20dB below the fundamental emission level measured in a 100kHz bandwidth. However, since the traces in the following plots are measured with a 1MHz RBW, the display line may not necessarily appear to be 20dB below the level of the fundamental in a 1MHz bandwidth.
3. For plots showing conducted spurious emissions near the limit, the frequencies were investigated with a reduced RBW to ensure that no emissions were present.
4. The conducted spurious emissions were measured to relative limits. Therefore, in accordance with ANSI C63.10-2020 and KDB 662911 D01 v02r01 Section E)3)b), it was unnecessary to show compliance through the summation of test results of the individual outputs.
5. All modes, data rates, and antenna configurations were investigated and only the worse case is reported.

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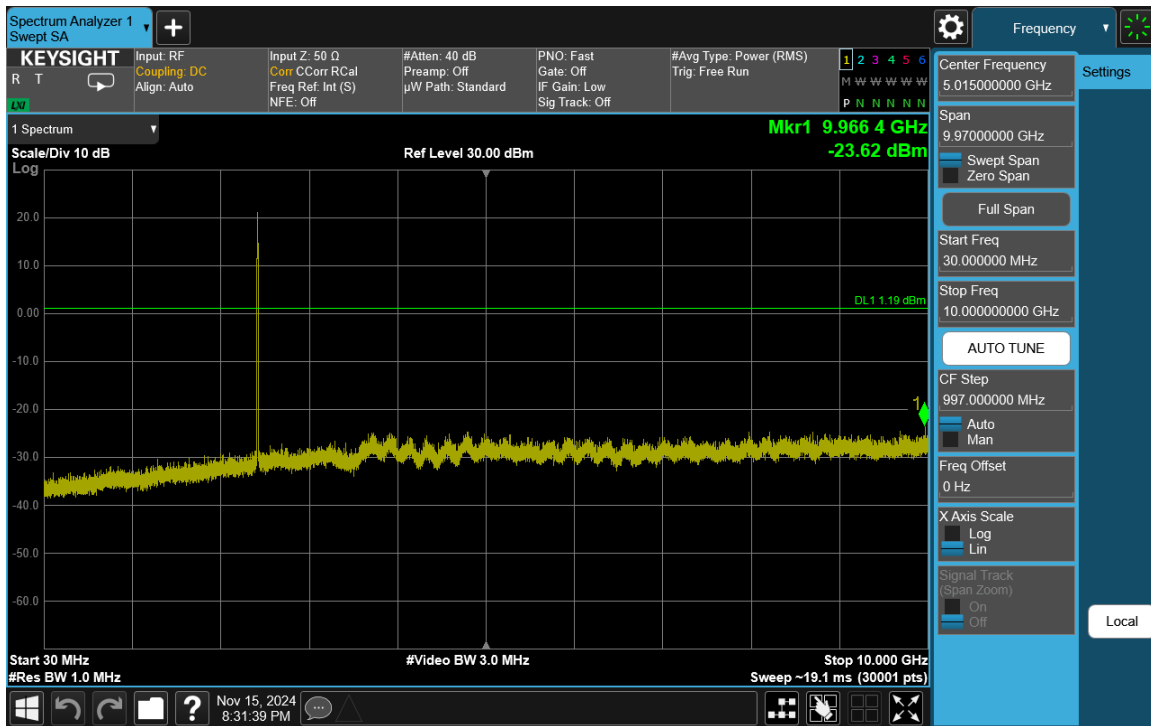
## 7.6.1 Antenna WF7b Conducted Spurious Emission



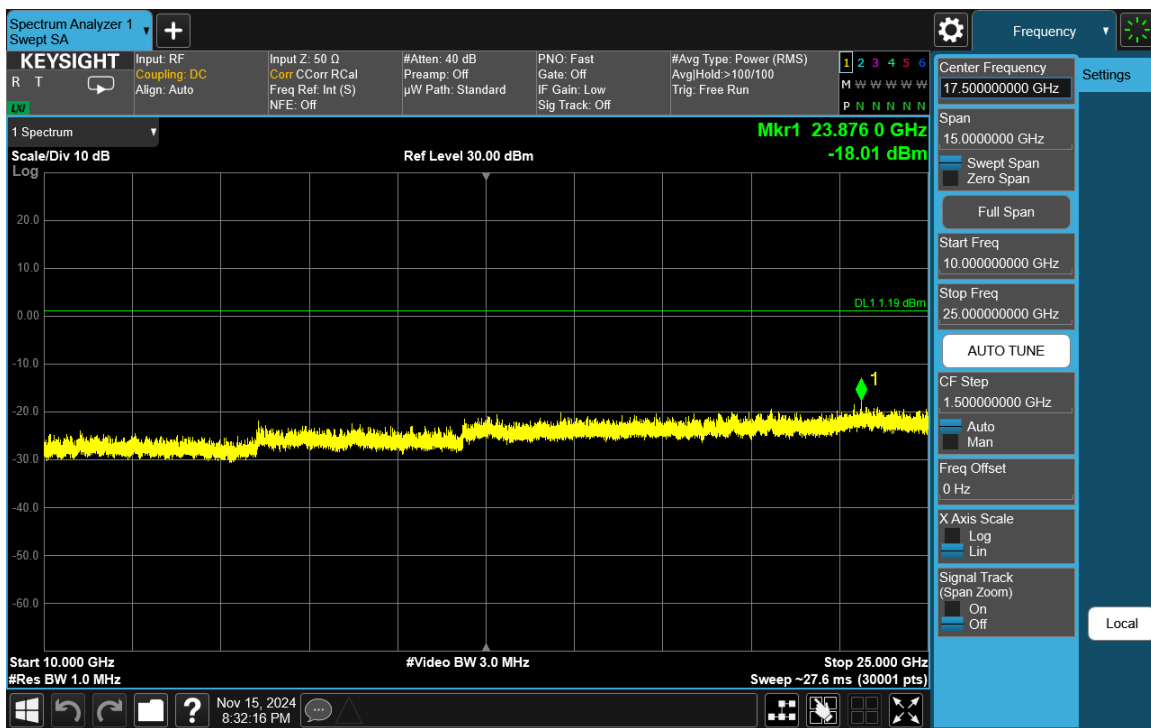
FCC ID: BCGA3268 IC: 579C-A3268		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-87. Conducted Spurious Plot Antenna WF7b (802.11b – Ch. 6)

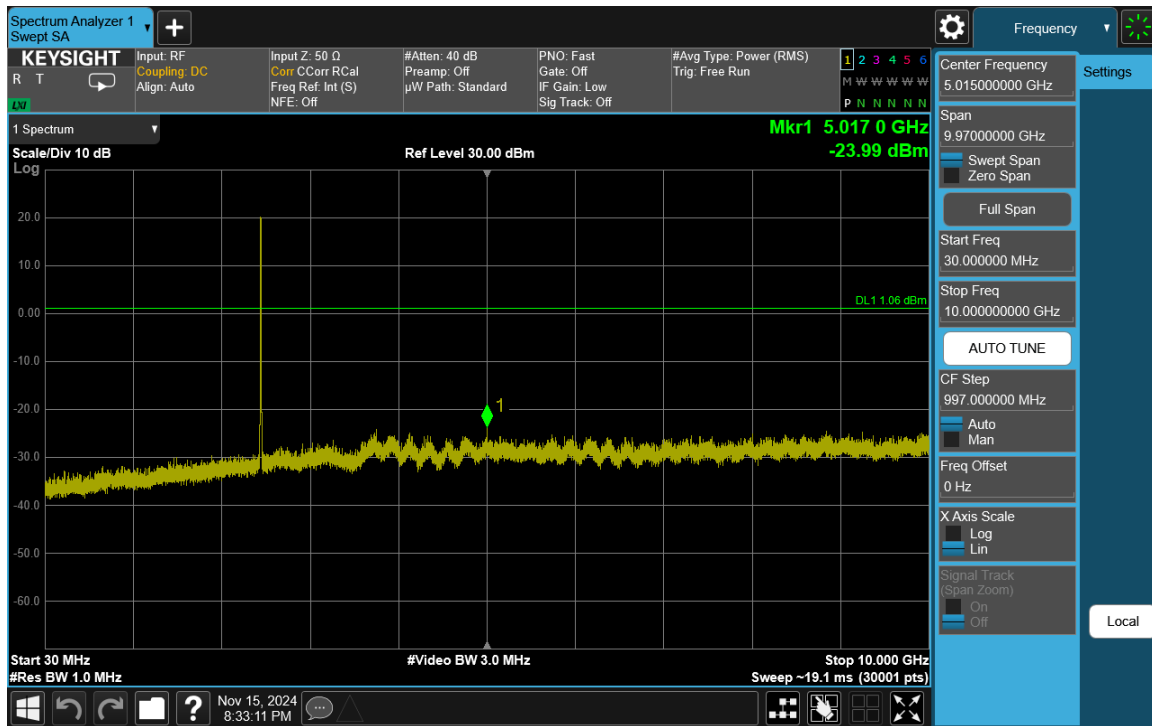


Plot 7-88. Conducted Spurious Plot Antenna WF7b (802.11b – Ch. 6)

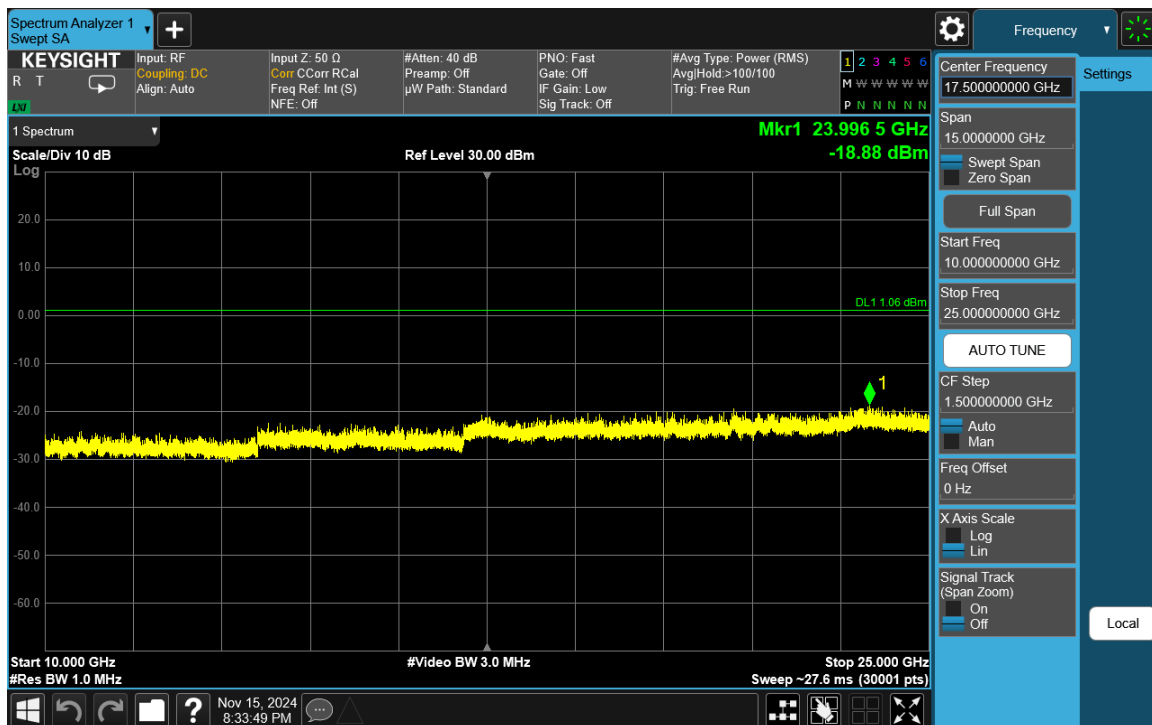
FCC ID: BCGA3268 IC: 579C-A3268		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-89. Conducted Spurious Plot Antenna WF7b (802.11b – Ch. 11)



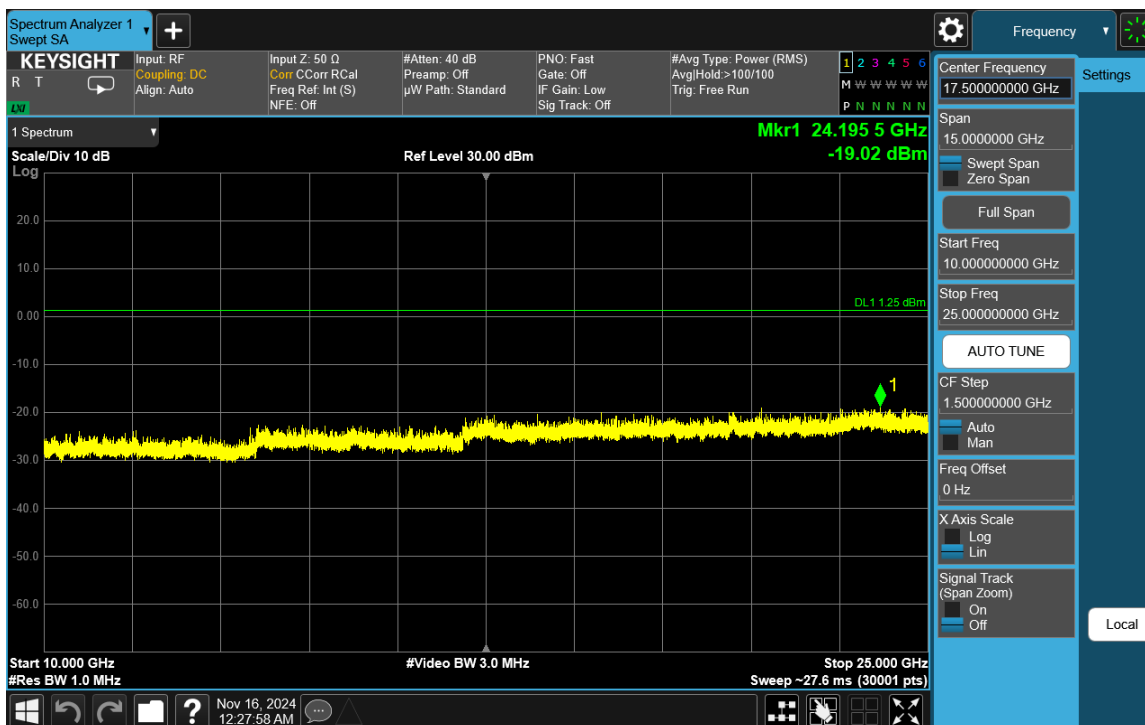
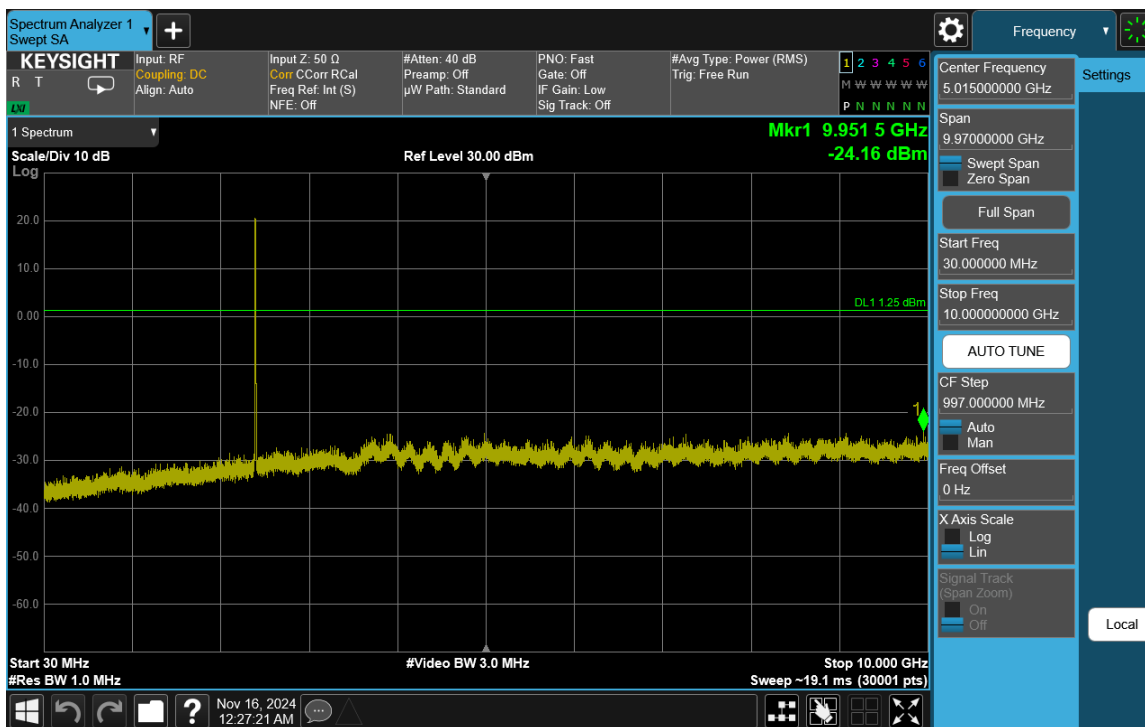
Plot 7-90. Conducted Spurious Plot Antenna WF7b (802.11b – Ch. 11)

FCC ID: BCGA3268 IC: 579C-A3268		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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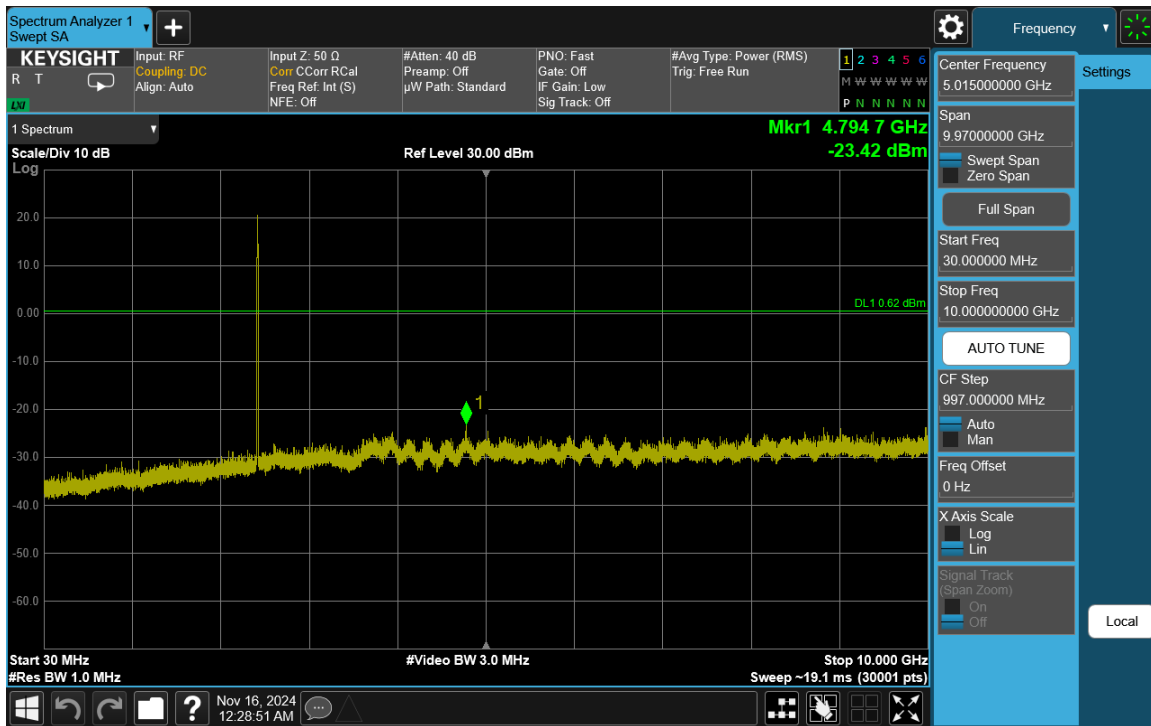
## 7.6.2 Antenna WF2b Conducted Spurious Emissions



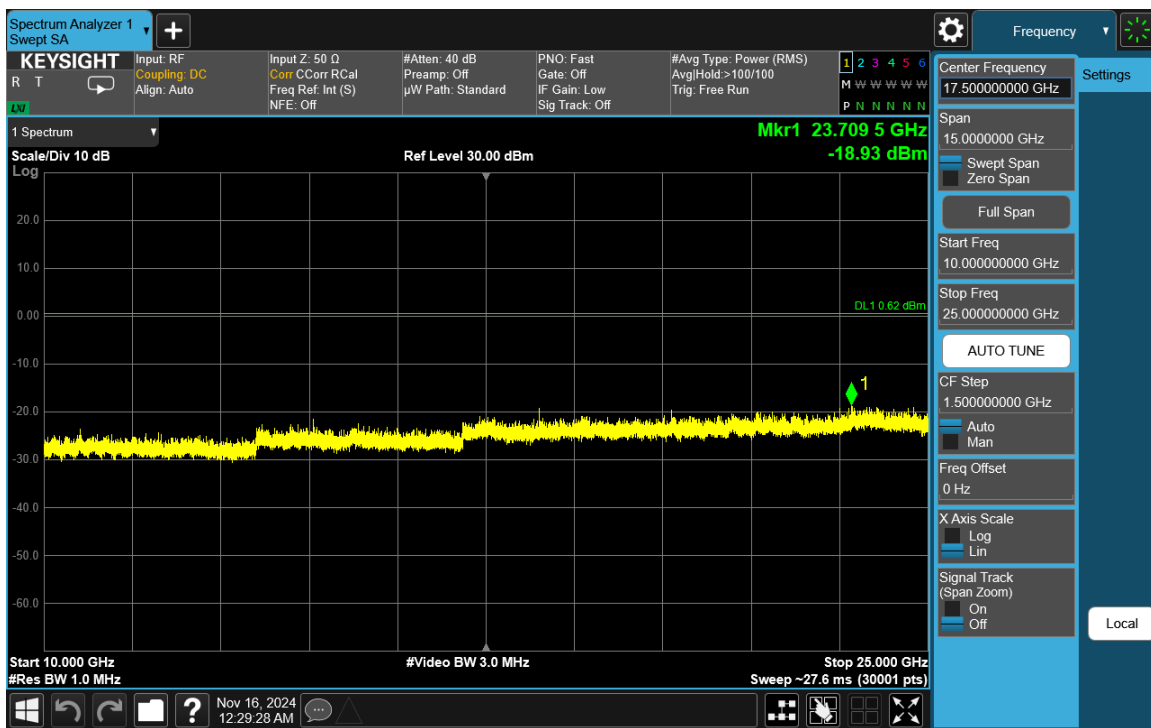
FCC ID: BCGA3268 IC: 579C-A3268		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-93. Conducted Spurious Plot Antenna WF2b (802.11b – Ch. 6)

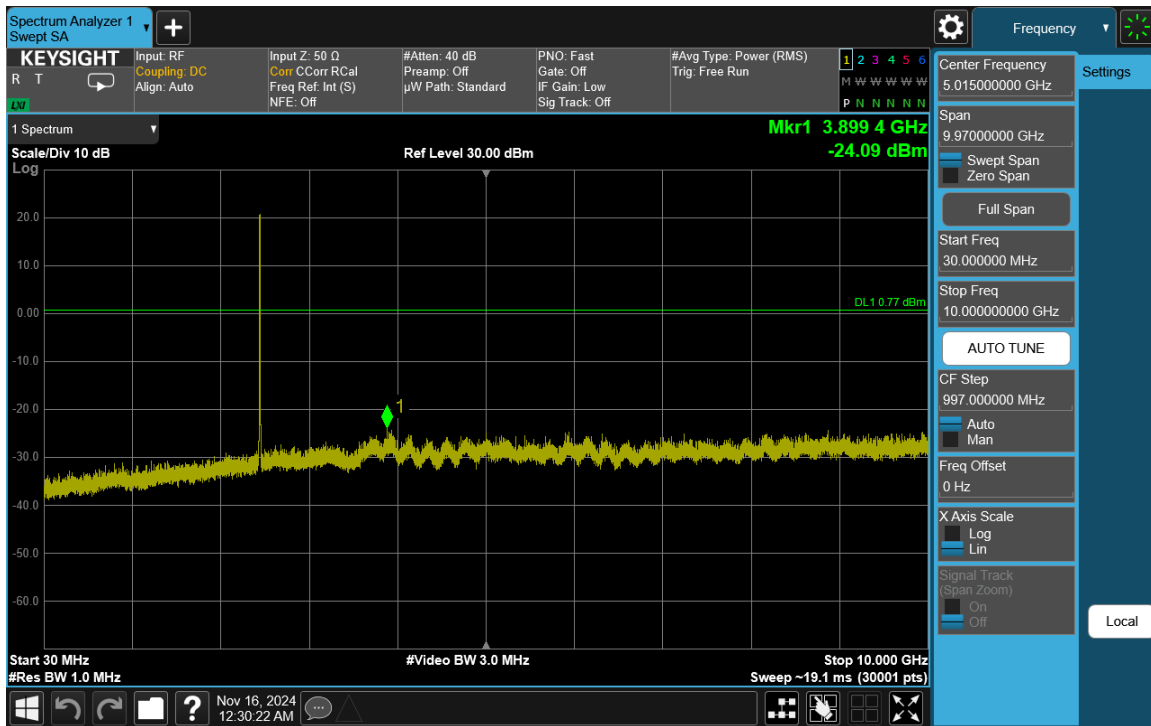


Plot 7-94. Conducted Spurious Plot Antenna WF2b (802.11b – Ch. 6)

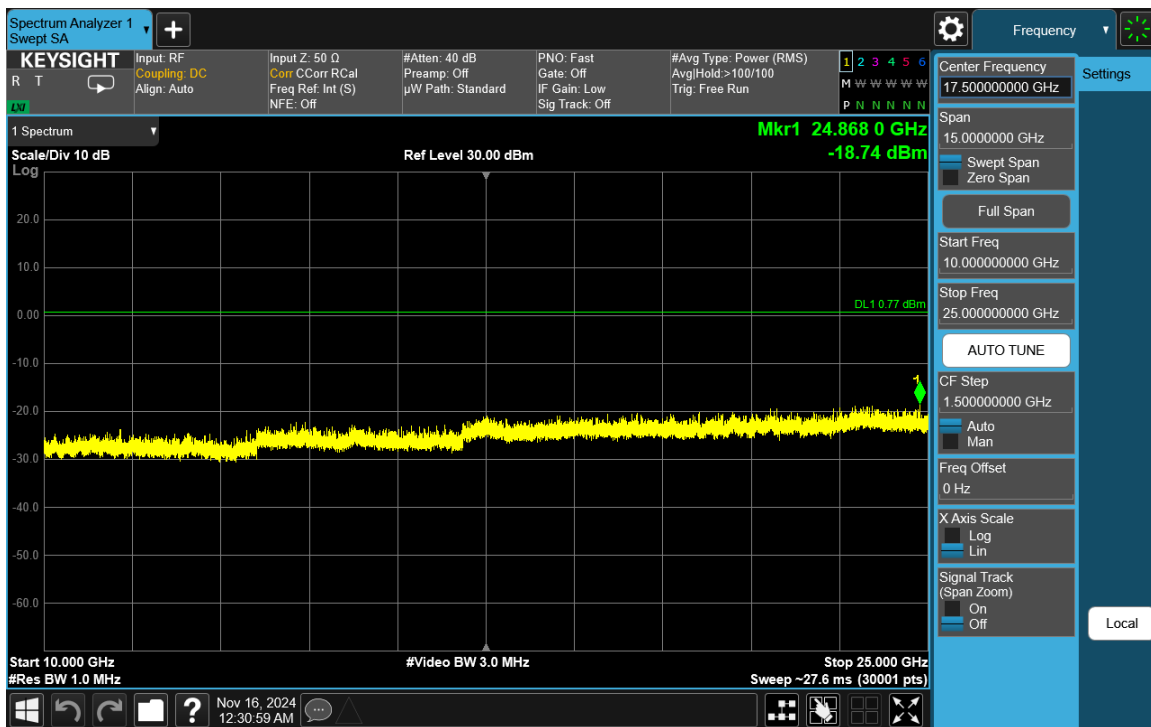
FCC ID: BCGA3268 IC: 579C-A3268		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-95. Conducted Spurious Plot Antenna WF2b (802.11b – Ch. 11)



Plot 7-96. Conducted Spurious Plot Antenna WF2b (802.11b – Ch. 11)

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## 7.7 Radiated Spurious Emissions – Above 1 GHz

§15.247(d) §15.205 & §15.209; RSS-Gen [8.9]

### Test Overview and Limit

All out of band radiated spurious emissions are measured with a spectrum analyzer connected to a receive antenna while the EUT is operating at its maximum duty cycle, at 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 7-17 per Section 15.209 and RSS-Gen (8.9).***

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

**Table 7-17. Radiated Limits**

### Test Procedures Used

ANSI C63.10-2020 – Subclause 6.6.4.3  
KDB 558074 D01 v05r02 – Sections 8.6, 8.7

### Test Settings

#### Average 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 = power average (RMS)
5. Number of measurement points = 1001 (Number of points must be  $\geq 2 \times \text{span/RBW}$ )
6. Sweep time = auto
7. Trace (RMS) averaging was performed over at least 100 traces

#### 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

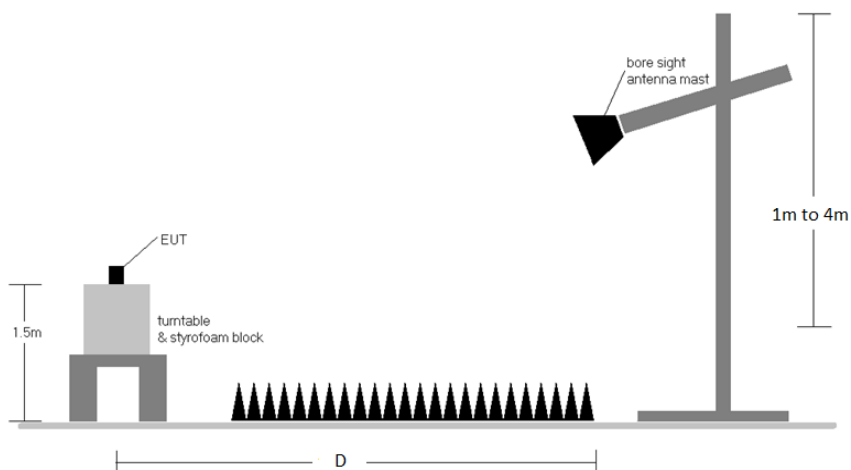
FCC ID: BCGA3268 IC: 579C-A3268		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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## Test Setup

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



**Figure 7-6. Radiated Measurement Setup**

## Test Notes

1. The optional test procedures for antenna port conducted measurements of unwanted emissions per the guidance of KDB 558074 D01 v05r02 were not used to evaluate this device for compliance to radiated limits. All Radiated Spurious Emissions levels were measured in a radiated test setup.
2. All emissions lying in restricted bands specified in Section 15.205 and Section 8.10 of RSS-Gen are below the limit shown in Table 7-17.
3. The antenna is manipulated through typical positions, polarity and length during the tests. The EUT is manipulated through three orthogonal planes.
4. This unit was tested with its standard battery.
5. The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter using CISPR quasi peak detector below 1GHz. Above 1 GHz, average and peak measurements were taken using linearly polarized horn antennas.
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 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.
8. The "-" shown in the following RSE tables are used to denote a noise floor measurement.
9. All data rates and antenna configurations were investigated and only the worst case is reported.
10. The unit was tested at its highest output power.
11. The unit was tested with all possible modes and only the highest emission is reported.

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## Sample Calculations

### Determining Spurious Emissions Levels

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

### Radiated Band Edge Measurement Offset

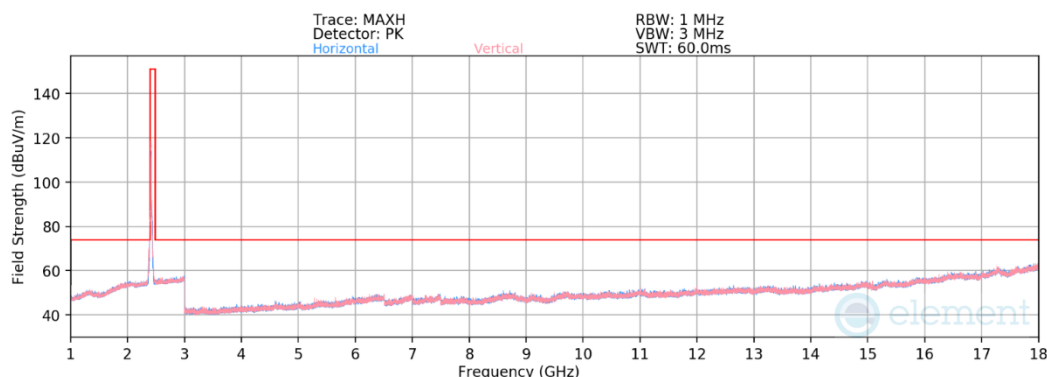
- The amplitude offset shown in the radiated restricted band edge plots in Section 7.7.5 to 7.7.7 was calculated using the formula:  
Offset (dB) = (Antenna Factor + Cable Loss + Attenuator) – Preamplifier Gain

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## 7.7.1 Antenna WF7b Radiated Spurious Emission Measurements

§15.247(d) §15.205 & §15.209; RSS-Gen [8.9]



**Plot 7-97. Radiated Spurious Emissions above 1GHz Antenna WF7b (802.11b – Ch. 1)**

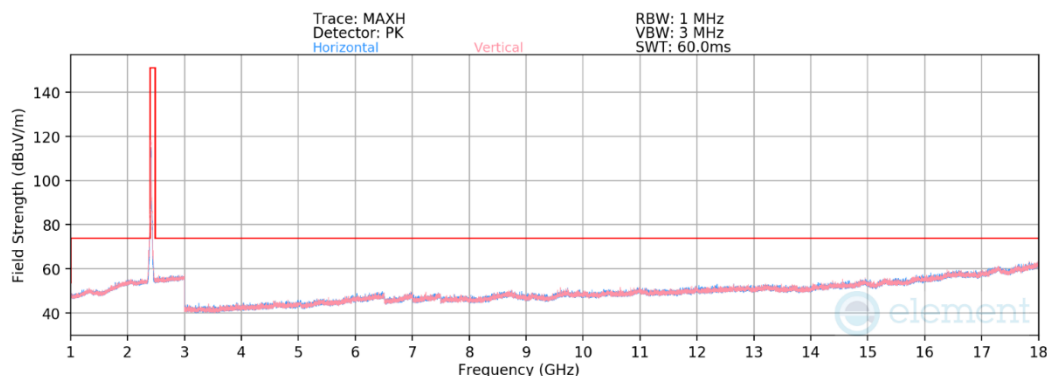
Mode:	802.11b
Data Rate:	11Mbps
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	01

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]
4824.00	Average	V	-	-	-78.69	5.37	33.68	53.98	-20.30
4824.00	Peak	V	-	-	-67.08	5.20	45.12	73.98	-28.86
12060.00	Average	V	-	-	-80.98	14.68	40.70	53.98	-13.28
12060.00	Peak	V	-	-	-69.98	14.68	51.69	73.98	-22.29

**Table 7-18. Radiated Measurements Antenna WF7b**

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**Plot 7-98. Radiated Spurious Emissions above 1GHz Antenna WF7b (802.11b – Ch. 6)**

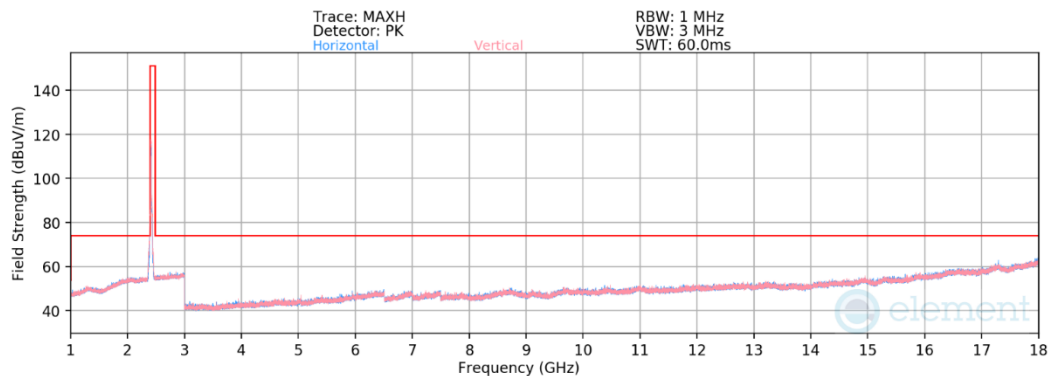
Mode: 802.11b  
Data Rate: 11Mbps  
Distance of Measurements: 3 Meters  
Operating Frequency: 2437MHz  
Channel: 06

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]
4874.00	Average	V	-	-	-79.12	5.32	33.19	53.98	-20.79
4874.00	Peak	V	-	-	-67.67	5.26	44.59	73.98	-29.39
7311.00	Average	V	-	-	-80.18	9.57	36.40	53.98	-17.58
7311.00	Peak	V	-	-	-68.52	9.78	48.26	73.98	-25.72
12185.00	Average	V	-	-	-81.09	14.84	40.75	53.98	-13.23
12185.00	Peak	V	-	-	-70.25	15.07	51.82	73.98	-22.16

**Table 7-19. Radiated Measurements Antenna WF7b**

FCC ID: BCGA3268 IC: 579C-A3268	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Technical Manager
Test Report S/N: 1C2410210074-03.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 87 of 153

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**Plot 7-99. Radiated Spurious Emissions above 1GHz Antenna WF7b (802.11b – Ch. 11)**

Mode: 802.11b  
Data Rate: 11Mbps  
Distance of Measurements: 3 Meters  
Operating Frequency: 2462MHz  
Channel: 11

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]
4924.00	Average	V	-	-	-79.60	7.47	34.87	53.98	-19.11
4924.00	Peak	V	-	-	-68.73	7.47	45.74	73.98	-28.24
7386.00	Average	V	252	165	-73.39	10.48	44.09	53.98	-9.89
7386.00	Peak	V	252	165	-65.35	10.48	52.13	73.98	-21.85
12310.00	Average	H	-	-	-82.73	18.71	42.98	53.98	-11.00
12310.00	Peak	H	-	-	-71.46	18.71	54.24	73.98	-19.74

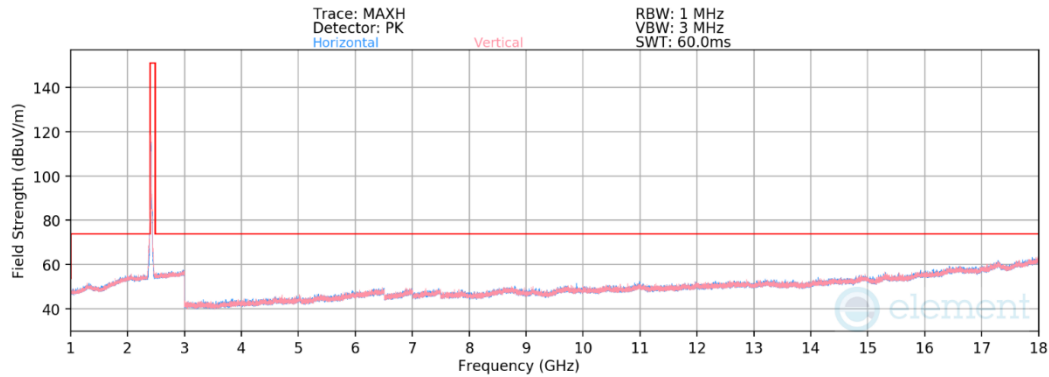
**Table 7-20. Radiated Measurements Antenna WF7b**

FCC ID: BCGA3268 IC: 579C-A3268	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Technical Manager
Test Report S/N: 1C2410210074-03.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 88 of 153

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## 7.7.2 Antenna WF2b Radiated Spurious Emission Measurements

§15.247(d) §15.205 & §15.209; RSS-Gen [8.9]



Plot 7-100. Radiated Spurious Emissions above 1GHz Antenna WF2b (802.11b – Ch. 1)

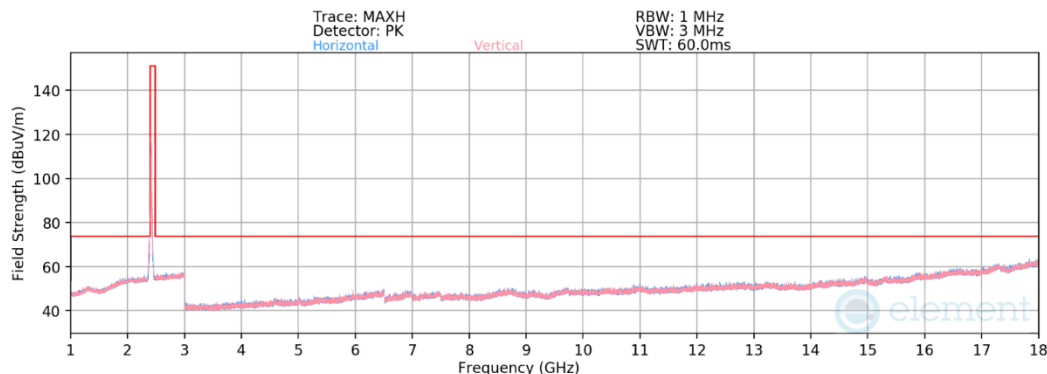
Mode:	802.11b
Data Rate:	11Mbps
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	01

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]
4824.00	Average	V	-	-	-78.83	5.37	33.54	53.98	-20.44
4824.00	Peak	V	-	-	-67.38	5.35	44.97	73.98	-29.01
12060.00	Average	H	-	-	-80.73	14.68	40.95	53.98	-13.03
12060.00	Peak	H	-	-	-69.89	14.80	51.90	73.98	-22.08

Table 7-21. Radiated Measurements Antenna WF2b

FCC ID: BCGA3268 IC: 579C-A3268		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2410210074-03.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device		Page 89 of 153

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**Plot 7-101. Radiated Spurious Emissions above 1GHz Antenna WF7 (802.11b – Ch. 6)**

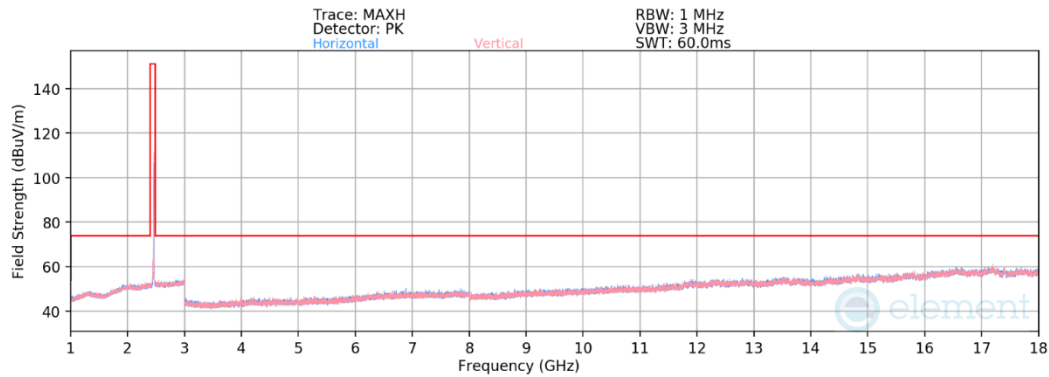
Mode: 802.11b  
Data Rate: 11Mbps  
Distance of Measurements: 3 Meters  
Operating Frequency: 2437MHz  
Channel: 06

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]
4874.00	Average	V	-	-	-79.24	6.50	34.25	53.98	-19.73
4874.00	Peak	V	-	-	-68.01	6.45	45.44	73.98	-28.54
7311.00	Average	V	-	-	-80.15	9.54	36.39	53.98	-17.59
7311.00	Peak	V	-	-	-68.90	9.59	47.70	73.98	-26.28
12185.00	Average	V	-	-	-81.06	15.49	41.43	53.98	-12.55
12185.00	Peak	V	-	-	-69.80	15.35	52.55	73.98	-21.43

**Table 7-22. Radiated Measurements Antenna WF2b**

FCC ID: BCGA3268 IC: 579C-A3268	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Technical Manager
Test Report S/N: 1C2410210074-03.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 90 of 153

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**Plot 7-102. Radiated Spurious Emissions above 1GHz Antenna WF7 (802.11b – Ch. 11)**

Mode: 802.11b  
Data Rate: 11Mbps  
Distance of Measurements: 3 Meters  
Operating Frequency: 2462MHz  
Channel: 11

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]
4924.00	Average	V	-	-	-79.00	7.20	35.21	53.98	-18.77
4924.00	Peak	V	-	-	-68.68	7.58	45.90	73.98	-28.08
7386.00	Average	V	257	77	-77.05	10.48	40.43	53.98	-13.55
7386.00	Peak	V	257	77	-66.96	10.48	50.51	73.98	-23.47
12310.00	Average	V	-	-	-82.34	18.39	43.05	53.98	-10.93
12310.00	Peak	V	-	-	-70.37	17.88	54.51	73.98	-19.47

**Table 7-23. Radiated Measurements Antenna WF2b**

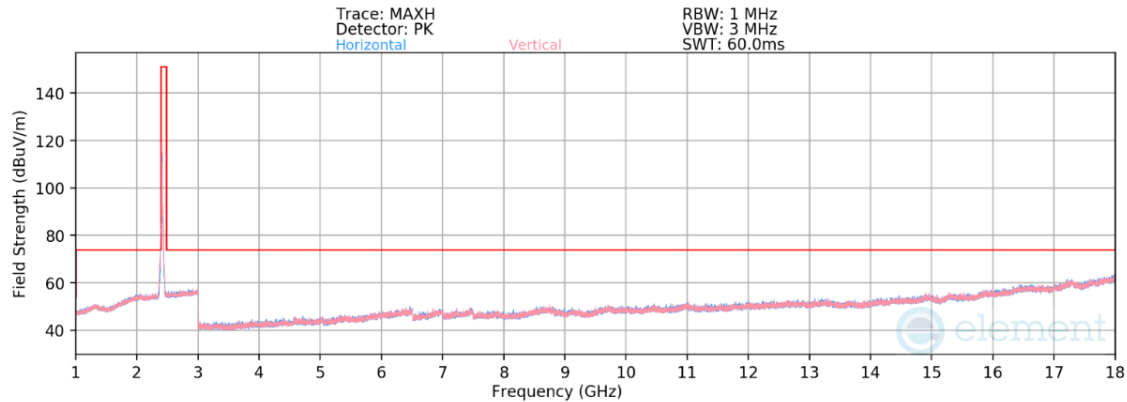
FCC ID: BCGA3268 IC: 579C-A3268	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Technical Manager
Test Report S/N: 1C2410210074-03.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 91 of 153

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## 7.7.4 CDD Radiated Spurious Emission Measurements

§15.247(d) §15.205 & §15.209; RSS-Gen [8.9]



Plot 7-103. Radiated Spurious Emissions above 1GHz CDD (802.11n – Ch. 1)

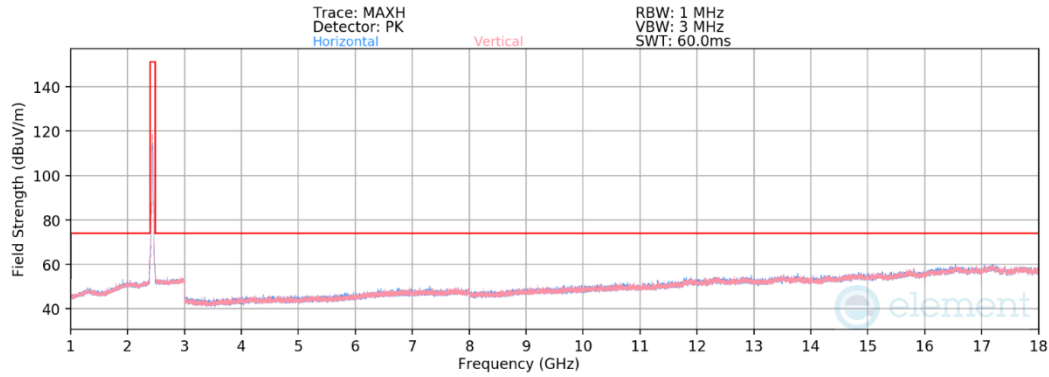
Mode:	802.11n
Data Rate:	MCS15
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	01

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]
4824.00	Average	V	-	-	-78.80	5.37	33.57	53.98	-20.41
4824.00	Peak	V	-	-	-67.44	5.35	44.91	73.98	-29.07
12060.00	Average	V	-	-	-80.78	14.66	40.88	53.98	-13.10
12060.00	Peak	V	-	-	-69.84	14.68	51.84	73.98	-22.14
14472.00	Average	H	-	-	-81.77	17.96	43.19	53.98	-10.79
14472.00	Peak	H	-	-	-71.38	17.96	53.57	73.98	-20.41

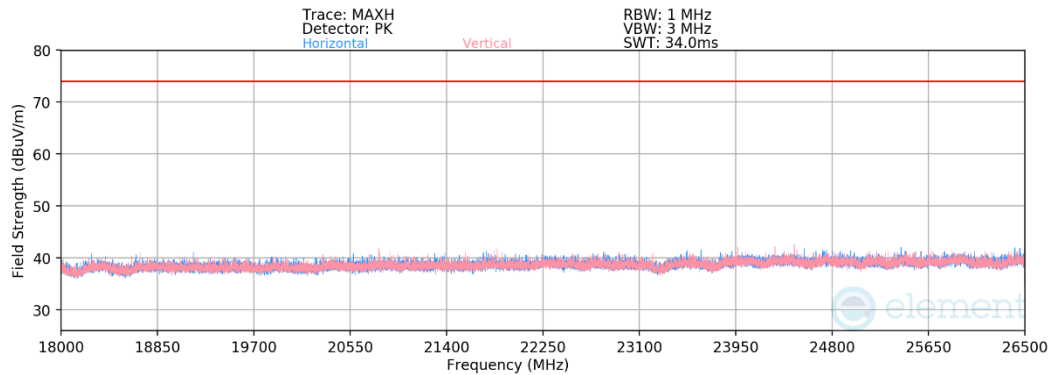
Table 7-24. Radiated Measurements CDD

FCC ID: BCGA3268 IC: 579C-A3268	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Technical Manager
Test Report S/N: 1C2410210074-03.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 92 of 153

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**Plot 7-104. Radiated Spurious Emissions above 1GHz CDD (802.11n – Ch. 6)**



**Plot 7-105. Radiated Spurious Emissions above 18GHz CDD (802.11n – Ch.6)**

Mode: 802.11n

Data Rate: MCS15

Distance of Measurements: 3 Meters

Operating Frequency: 2437MHz

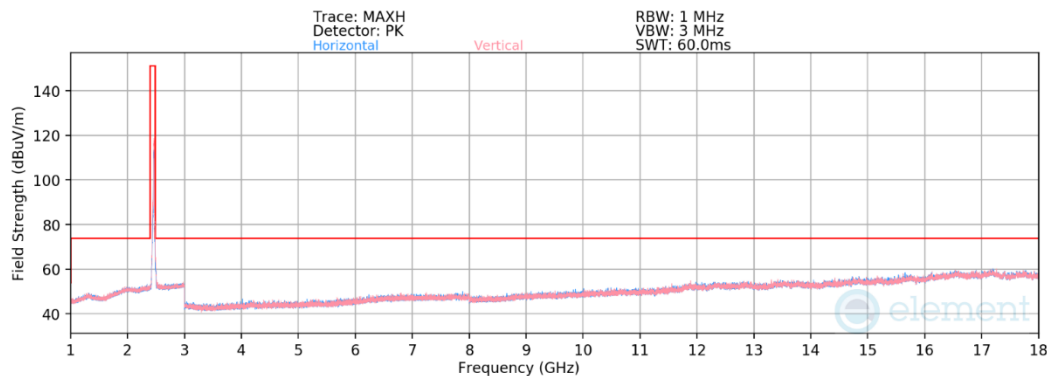
Channel: 06

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]
4874.00	Average	V	-	-	-79.45	7.57	35.12	53.98	-18.86
4874.00	Peak	V	-	-	-68.36	7.57	46.21	73.98	-27.77
7311.00	Average	V	-	-	-79.98	10.48	37.50	53.98	-16.48
7311.00	Peak	V	-	-	-68.66	10.43	48.77	73.98	-25.21
12185.00	Average	H	-	-	-82.36	17.58	42.22	53.98	-11.76
12185.00	Peak	H	-	-	-70.73	17.38	53.65	73.98	-20.33

**Table 7-25. Radiated Measurements CDD**

FCC ID: BCGA3268 IC: 579C-A3268	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Technical Manager
Test Report S/N: 1C2410210074-03.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 93 of 153

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**Plot 7-106. Radiated Spurious Emissions above 1GHz CDD (802.11n – Ch. 11)**

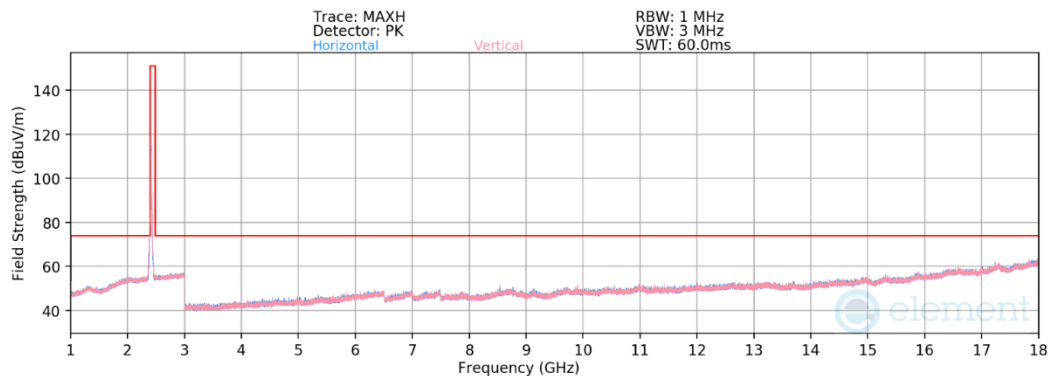
Mode: 802.11n  
Data Rate: MCS15  
Distance of Measurements: 3 Meters  
Operating Frequency: 2462MHz  
Channel: 11

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]
4924.00	Average	V	-	-	-79.77	7.40	34.62	53.98	-19.36
4924.00	Peak	V	-	-	-68.07	7.58	46.52	73.98	-27.46
7386.00	Average	H	-	-	-80.31	10.76	37.45	53.98	-16.53
7386.00	Peak	H	-	-	-68.62	10.55	48.94	73.98	-25.04
12310.00	Average	V	-	-	-82.87	18.74	42.87	53.98	-11.11
12310.00	Peak	V	-	-	-71.13	18.39	54.26	73.98	-19.72

**Table 7-26. Radiated Measurements CDD**

FCC ID: BCGA3268 IC: 579C-A3268	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Technical Manager
Test Report S/N: 1C2410210074-03.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 94 of 153

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**Plot 7-107. Radiated Spurious Emissions above 1GHz CDD (802.11ax (SU) – Ch. 1)**

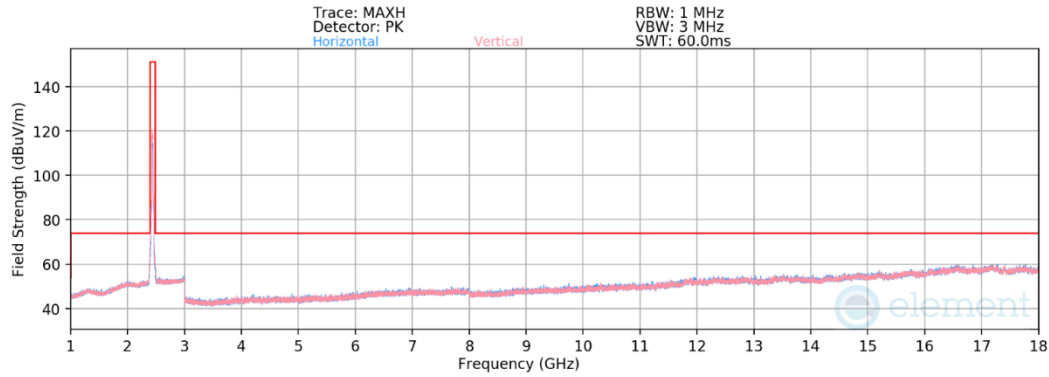
Mode: 802.11ax (SU)  
Data Rate: MCS0  
Distance of Measurements: 3 Meters  
Operating Frequency: 2412MHz  
Channel: 01

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]
4824.00	Average	V	-	-	-78.78	5.37	33.59	53.98	-20.39
4824.00	Peak	V	-	-	-67.37	5.42	45.04	73.98	-28.94
12060.00	Average	H	-	-	-80.96	14.68	40.71	53.98	-13.27
12060.00	Peak	H	-	-	-70.59	15.11	51.52	73.98	-22.46

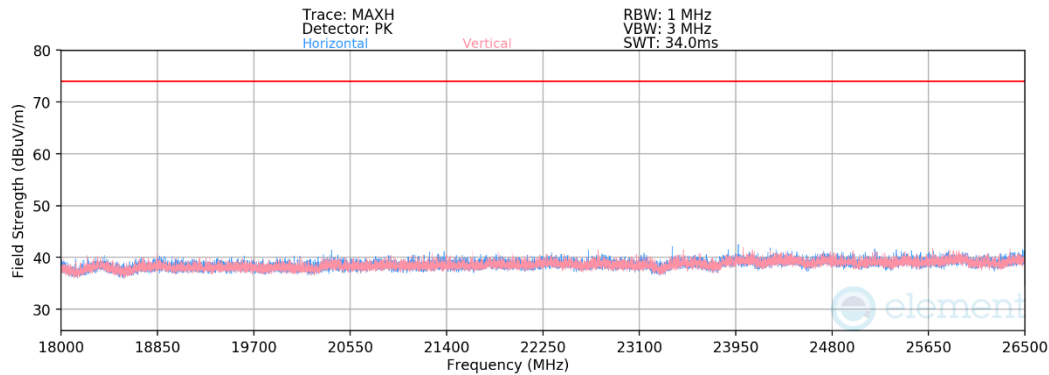
**Table 7-27. Radiated Measurements CDD**

FCC ID: BCGA3268 IC: 579C-A3268	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Technical Manager
Test Report S/N: 1C2410210074-03.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 95 of 153

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**Plot 7-108. Radiated Spurious Emissions above 1GHz CDD (802.11ax (SU) – Ch. 6)**



**Plot 7-109. Radiated Spurious Emissions above 18GHz CDD (802.11ax (SU) – Ch.6)**

Mode: 802.11ax (SU)

Data Rate: MCS0

Distance of Measurements: 3 Meters

Operating Frequency: 2437MHz

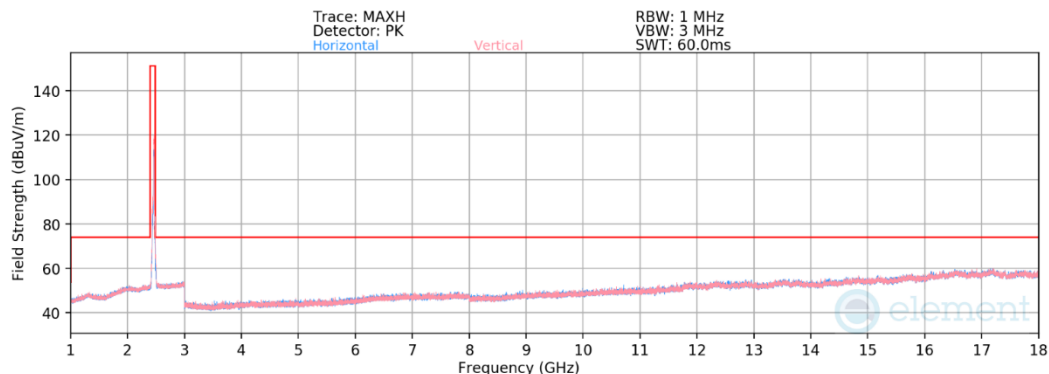
Channel: 06

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]
4874.00	Average	V	-	-	-79.62	7.57	34.96	53.98	-19.02
4874.00	Peak	V	-	-	-67.36	7.23	46.87	73.98	-27.11
7311.00	Average	H	-	-	-79.92	10.43	37.52	53.98	-16.46
7311.00	Peak	H	-	-	-68.45	10.60	49.15	73.98	-24.83
12185.00	Average	V	-	-	-82.17	17.38	42.21	53.98	-11.77
12185.00	Peak	V	-	-	-71.18	17.58	53.40	73.98	-20.58

**Table 7-28. Radiated Measurements CDD**

FCC ID: BCGA3268 IC: 579C-A3268	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Technical Manager
Test Report S/N: 1C2410210074-03.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 96 of 153

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**Plot 7-110. Radiated Spurious Emissions above 1GHz CDD (802.11ax (SU) – Ch. 11)**

Mode:	802.11ax (SU)
Data Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	2462MHz
Channel:	11

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]
4924.00	Average	V	-	-	-79.94	7.58	34.64	53.98	-19.34
4924.00	Peak	V	-	-	-68.60	7.58	45.99	73.98	-27.99
7386.00	Average	H	-	-	-80.10	10.48	37.37	53.98	-16.61
7386.00	Peak	H	-	-	-68.92	10.55	48.64	73.98	-25.34
12310.00	Average	V	-	-	-82.96	18.71	42.74	53.98	-11.24
12310.00	Peak	V	-	-	-71.93	18.74	53.81	73.98	-20.17

**Table 7-29. Radiated Measurements CDD**

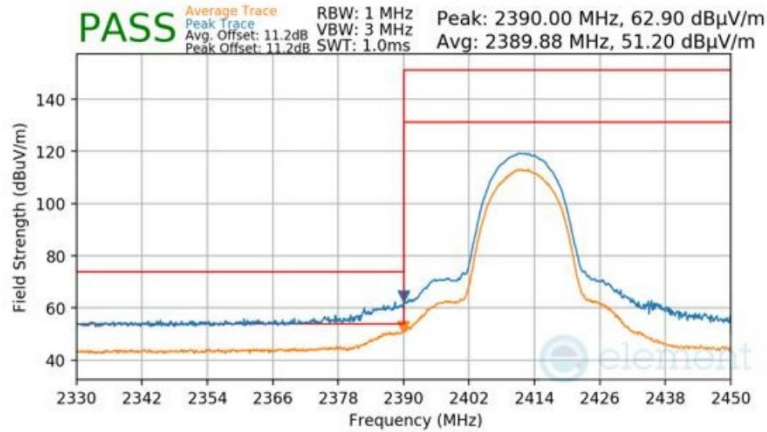
FCC ID: BCGA3268 IC: 579C-A3268	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Technical Manager
Test Report S/N: 1C2410210074-03.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 97 of 153

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## 7.7.5 Antenna WF7b Radiated Restricted Band Edge Measurements

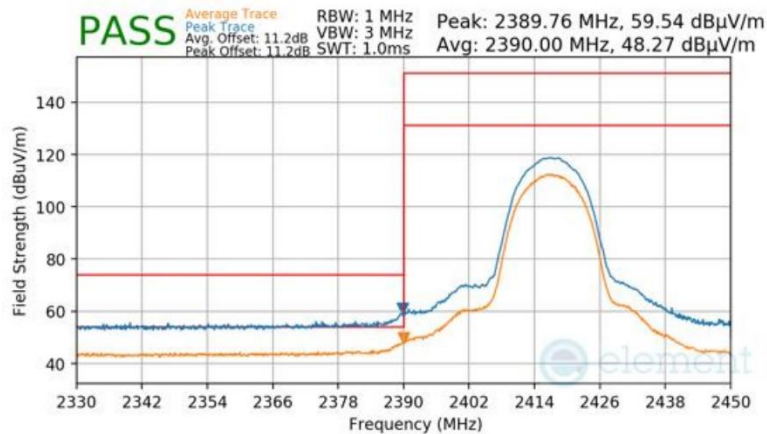
§15.205 §15.209; RSS-Gen [8.9]

Mode	802.11b
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	2412MHz
Channel	1



Plot 7-111 Radiated Restricted Lower Band Edge Measurement Antenna WF7b

Mode	802.11b
Data Rate	MCS11
Distance of Measurement	3 Meters
Operating Frequency	2417MHz
Channel	2



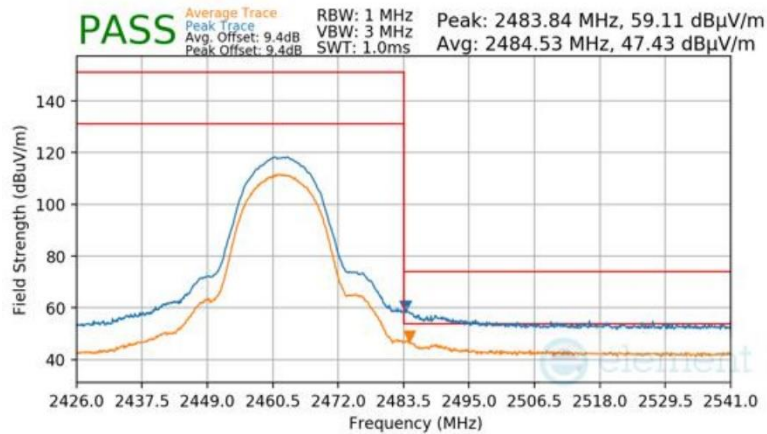
Plot 7-112 Radiated Restricted Lower Band Edge Measurement Antenna WF7b

FCC ID: BCGA3268 IC: 579C-A3268		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210074-03.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 98 of 153

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Mode  
Data Rate  
Distance of Measurement  
Operating Frequency  
Channel

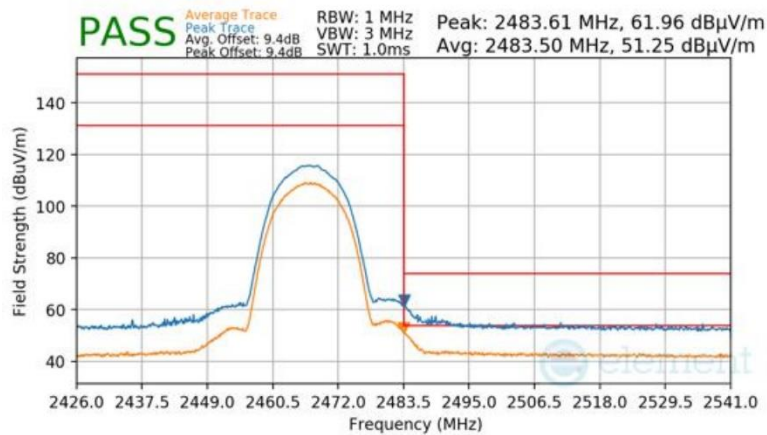
802.11b  
MCS11  
3 Meters  
2462MHz  
11



Plot 7-113 Radiated Restricted Upper Band Edge Measurement Antenna WF7b

Mode  
Data Rate  
Distance of Measurement  
Operating Frequency  
Channel

802.11b  
MCS11  
3 Meters  
2467MHz  
12



Plot 7-114 Radiated Restricted Upper Band Edge Measurement Antenna WF7b

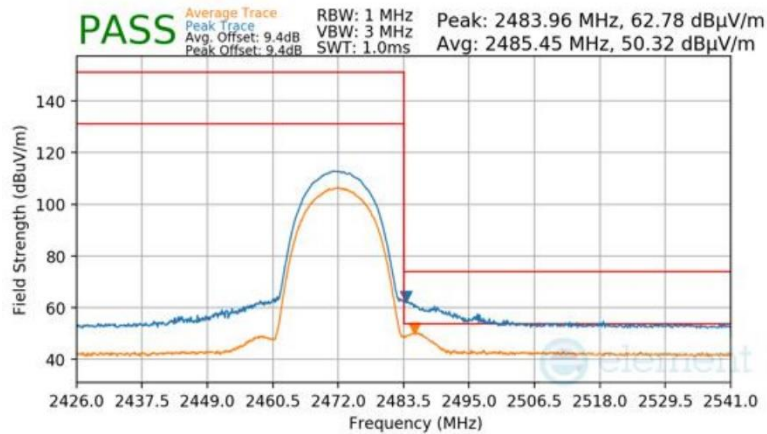
FCC ID: BCGA3268 IC: 579C-A3268		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210074-03.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 99 of 153

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Mode  
Data Rate  
Distance of Measurement  
Operating Frequency  
Channel

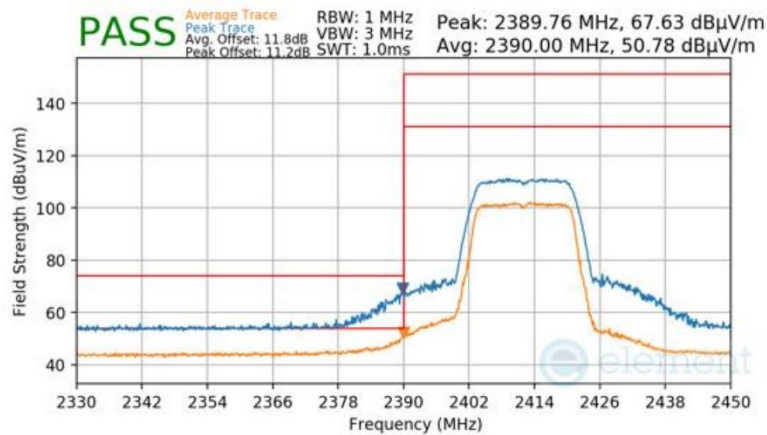
802.11b  
MCS11  
3 Meters  
2472MHz  
13



Plot 7-115 Radiated Restricted Upper Band Edge Measurement Antenna WF7b

Mode  
Data Rate  
Distance of Measurement  
Operating Frequency  
Channel

802.11n  
MCS7  
3 Meters  
2412MHz  
1



Plot 7-116 Radiated Restricted Lower Band Edge Measurement Antenna WF7b

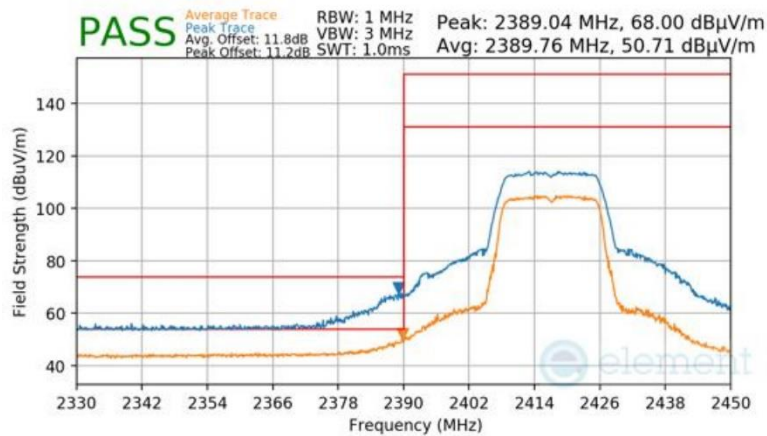
FCC ID: BCGA3268 IC: 579C-A3268		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210074-03.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 100 of 153

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**Mode**  
**Data Rate**  
**Distance of Measurement**  
**Operating Frequency**  
**Channel**

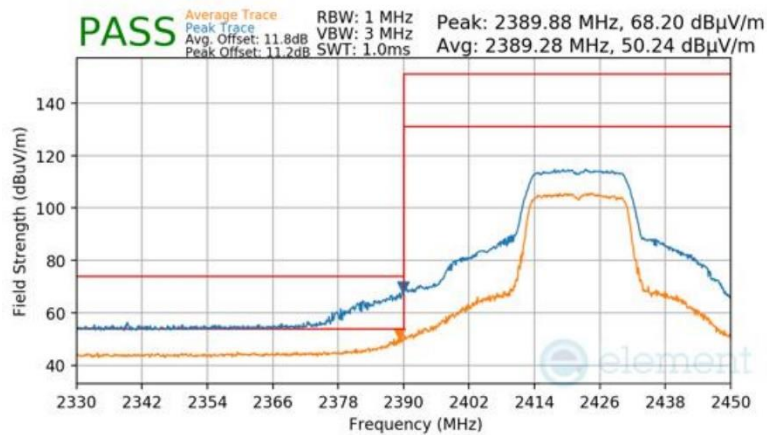
802.11n  
 MCS7  
 3 Meters  
 2417MHz  
 2



Plot 7-117 Radiated Restricted Lower Band Edge Measurement Antenna WF7b

**Mode**  
**Data Rate**  
**Distance of Measurement**  
**Operating Frequency**  
**Channel**

802.11n  
 MCS7  
 3 Meters  
 2422MHz  
 3



Plot 7-118 Radiated Restricted Lower Band Edge Measurement Antenna WF7b

FCC ID: BCGA3268 IC: 579C-A3268		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210074-03.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 101 of 153

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Mode  
Data Rate  
Distance of Measurement  
Operating Frequency  
Channel

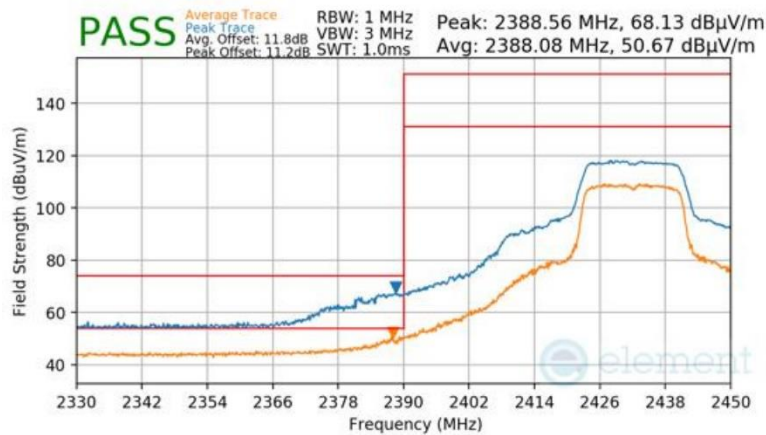
802.11n  
MCS7  
3 Meters  
2427MHz  
4



Plot 7-119 Radiated Restricted Lower Band Edge Measurement Antenna WF7b

Mode  
Data Rate  
Distance of Measurement  
Operating Frequency  
Channel

802.11n  
MCS7  
3 Meters  
2432MHz  
5



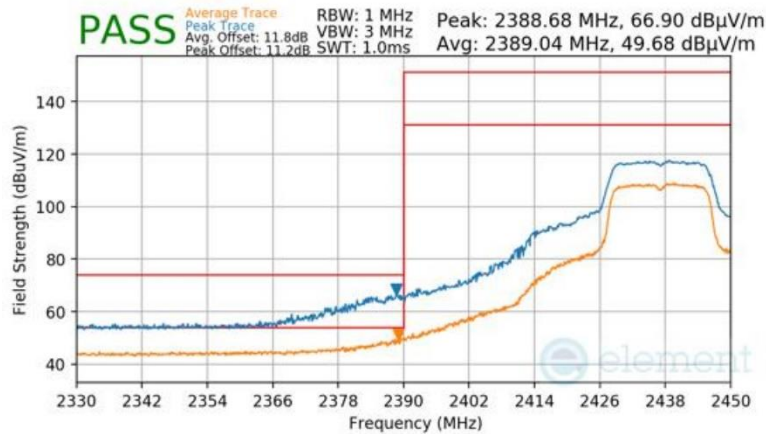
Plot 7-120 Radiated Restricted Lower Band Edge Measurement Antenna WF7b

FCC ID: BCGA3268 IC: 579C-A3268		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210074-03.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 102 of 153

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Mode  
Data Rate  
Distance of Measurement  
Operating Frequency  
Channel

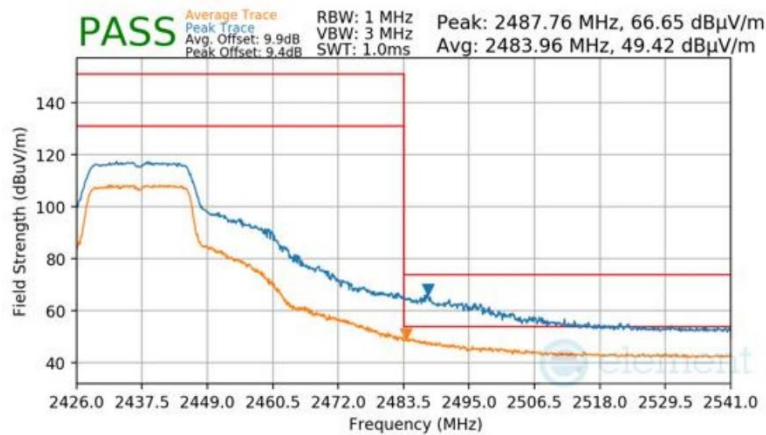
802.11n  
MCS7  
3 Meters  
2437MHz  
6



Plot 7-121 Radiated Restricted Lower Band Edge Measurement Antenna WF7b

Mode  
Data Rate  
Distance of Measurement  
Operating Frequency  
Channel

802.11n  
MCS7  
3 Meters  
2437MHz  
6



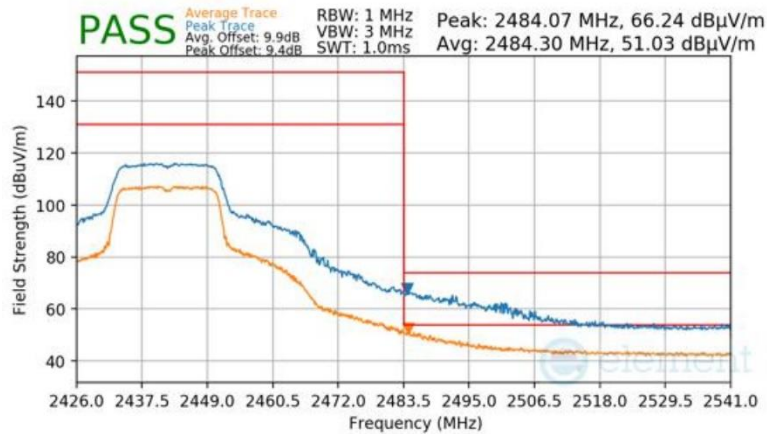
Plot 7-122 Radiated Restricted Upper Band Edge Measurement Antenna WF7b

FCC ID: BCGA3268 IC: 579C-A3268	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Technical Manager
Test Report S/N: 1C2410210074-03.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 103 of 153

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Mode  
Data Rate  
Distance of Measurement  
Operating Frequency  
Channel

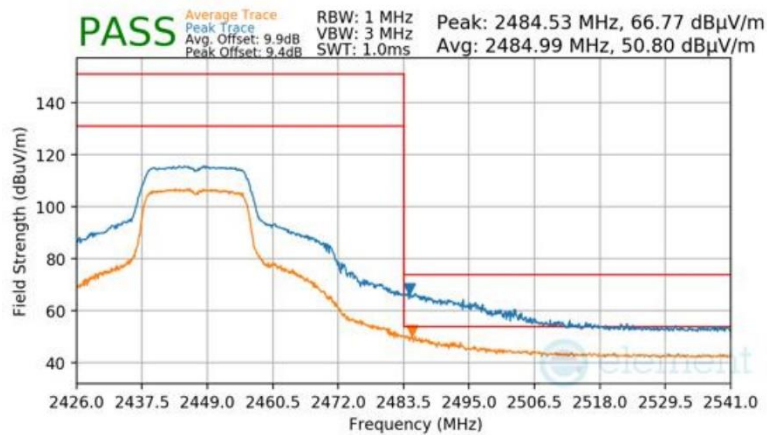
802.11n  
MCS7  
3 Meters  
2442MHz  
7



Plot 7-123 Radiated Restricted Upper Band Edge Measurement Antenna WF7b

Mode  
Data Rate  
Distance of Measurement  
Operating Frequency  
Channel

802.11n  
MCS7  
3 Meters  
2447MHz  
8



Plot 7-124 Radiated Restricted Upper Band Edge Measurement Antenna WF7b

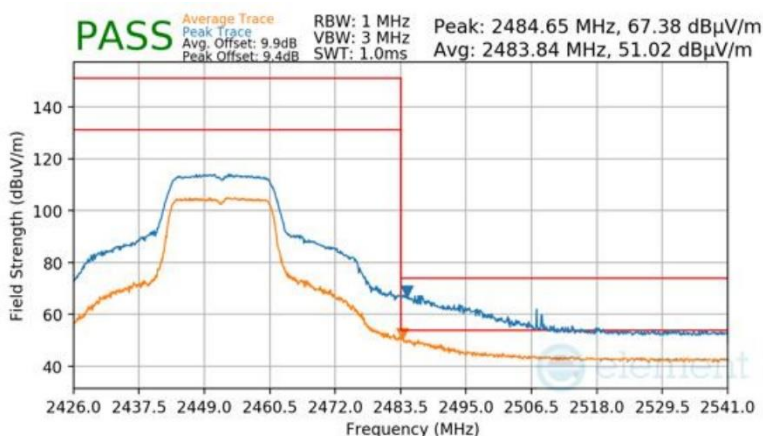
FCC ID: BCGA3268 IC: 579C-A3268		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210074-03.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 104 of 153

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Mode  
Data Rate  
Distance of Measurement  
Operating Frequency  
Channel

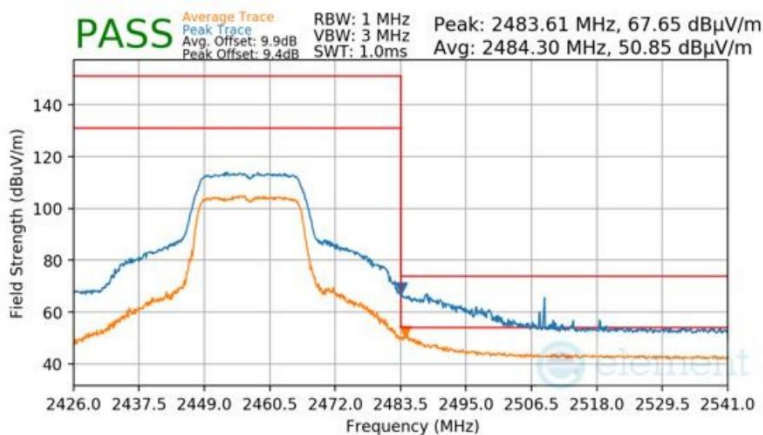
802.11n  
MCS7  
3 Meters  
2452MHz  
9



Plot 7-125 Radiated Restricted Upper Band Edge Measurement Antenna WF7b

Mode  
Data Rate  
Distance of Measurement  
Operating Frequency  
Channel

802.11n  
MCS7  
3 Meters  
2457MHz  
10



Plot 7-126 Radiated Restricted Upper Band Edge Measurement Antenna WF7b

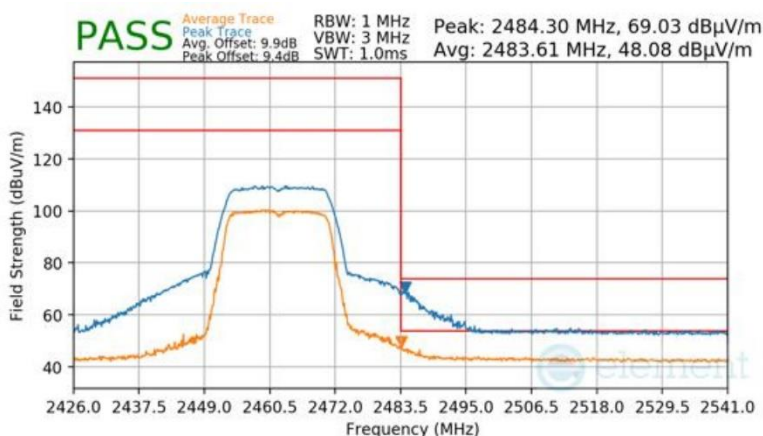
FCC ID: BCGA3268 IC: 579C-A3268		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210074-03.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 105 of 153

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Mode  
Data Rate  
Distance of Measurement  
Operating Frequency  
Channel

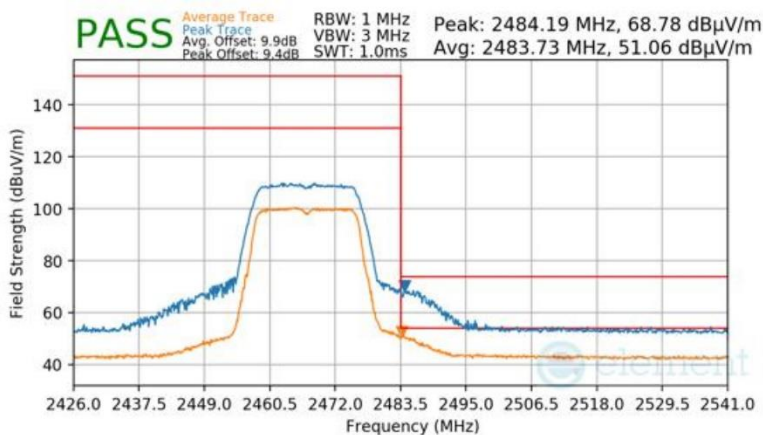
802.11n  
MCS7  
3 Meters  
2462MHz  
11




Plot 7-127 Radiated Restricted Upper Band Edge Measurement Antenna WF7b

Mode  
Data Rate  
Distance of Measurement  
Operating Frequency  
Channel

802.11n  
MCS7  
3 Meters  
2467MHz  
12



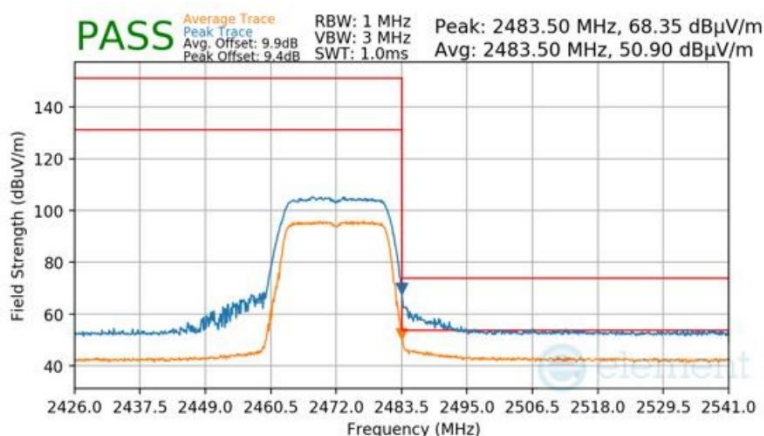
Plot 7-128 Radiated Restricted Upper Band Edge Measurement Antenna WF7b

FCC ID: BCGA3268 IC: 579C-A3268		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210074-03.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 106 of 153

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**Mode**  
**Data Rate**  
**Distance of Measurement**  
**Operating Frequency**  
**Channel**

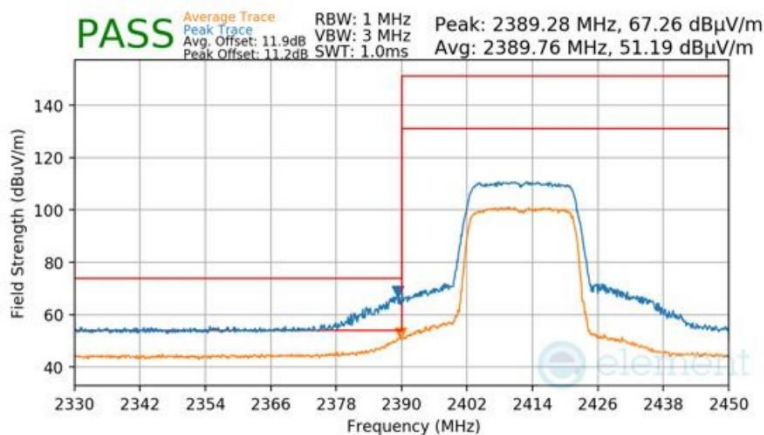
802.11n  
 MCS7  
 3 Meters  
 2472MHz  
 13



Plot 7-129 Radiated Restricted Upper Band Edge Measurement Antenna WF7b

**Mode**  
**Data Rate**  
**Distance of Measurement**  
**Operating Frequency**  
**Channel**

802.11ax-SU  
 MCS9  
 3 Meters  
 2412MHz  
 1



Plot 7-130 Radiated Restricted Lower Band Edge Measurement Antenna WF7b

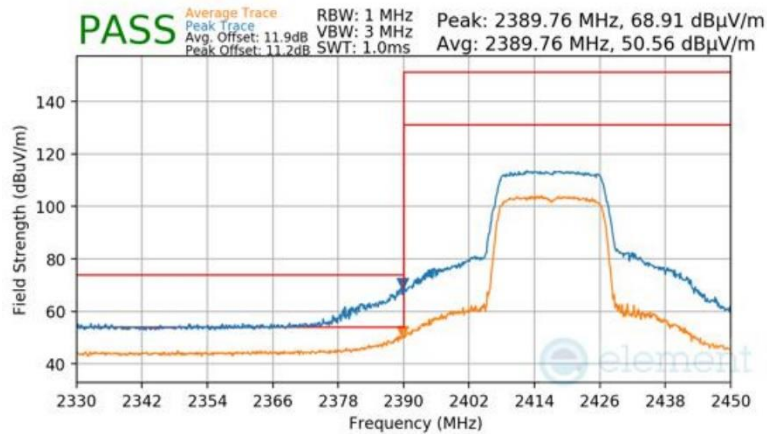
FCC ID: BCGA3268 IC: 579C-A3268		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210074-03.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 107 of 153

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Mode  
Data Rate  
Distance of Measurement  
Operating Frequency  
Channel

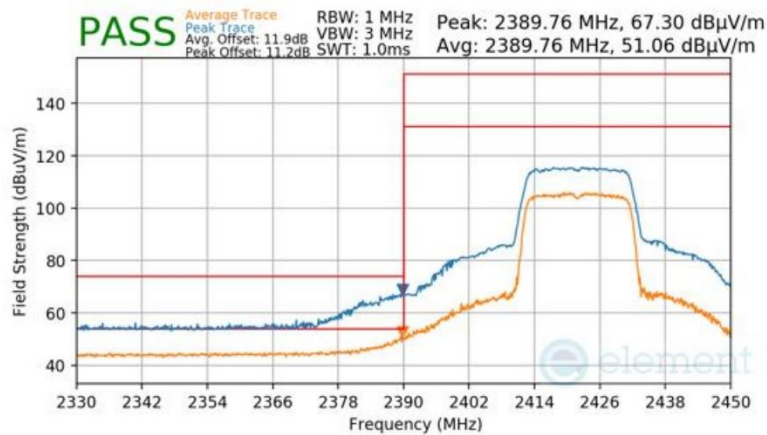
802.11ax-SU  
MCS9  
3 Meters  
2417MHz  
2



Plot 7-131 Radiated Restricted Lower Band Edge Measurement Antenna WF7b

Mode  
Data Rate  
Distance of Measurement  
Operating Frequency  
Channel

802.11ax-SU  
MCS9  
3 Meters  
2422MHz  
3



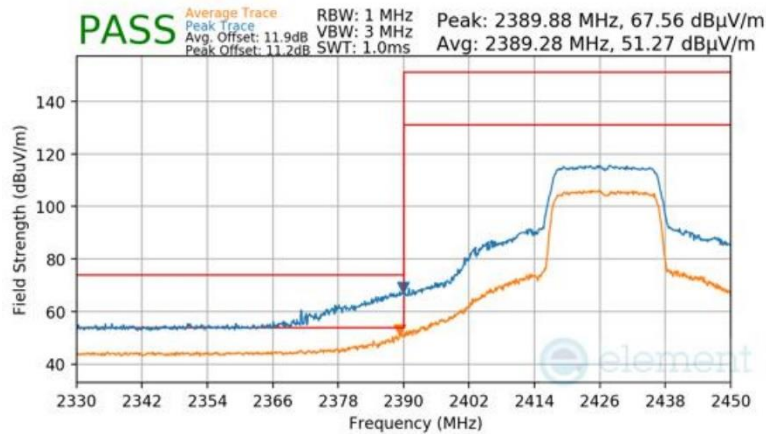
Plot 7-132 Radiated Restricted Lower Band Edge Measurement Antenna WF7b

FCC ID: BCGA3268 IC: 579C-A3268		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210074-03.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 108 of 153

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Mode  
Data Rate  
Distance of Measurement  
Operating Frequency  
Channel

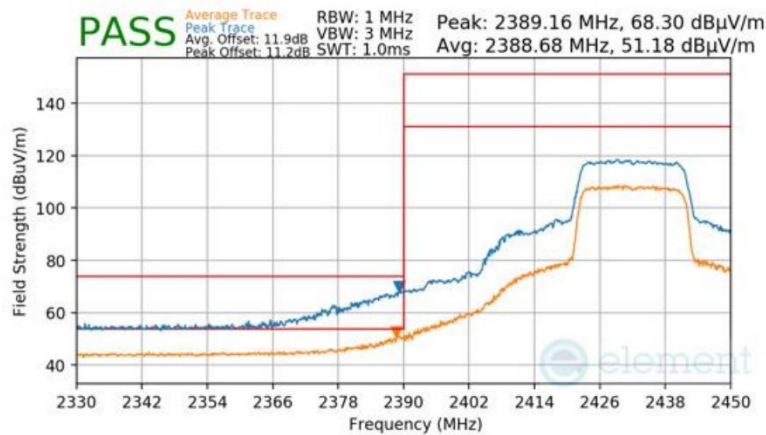
802.11ax-SU  
MCS9  
3 Meters  
2427MHz  
4



Plot 7-133 Radiated Restricted Lower Band Edge Measurement Antenna WF7b

Mode  
Data Rate  
Distance of Measurement  
Operating Frequency  
Channel

802.11ax-SU  
MCS9  
3 Meters  
2432MHz  
5



Plot 7-134 Radiated Restricted Lower Band Edge Measurement Antenna WF7b

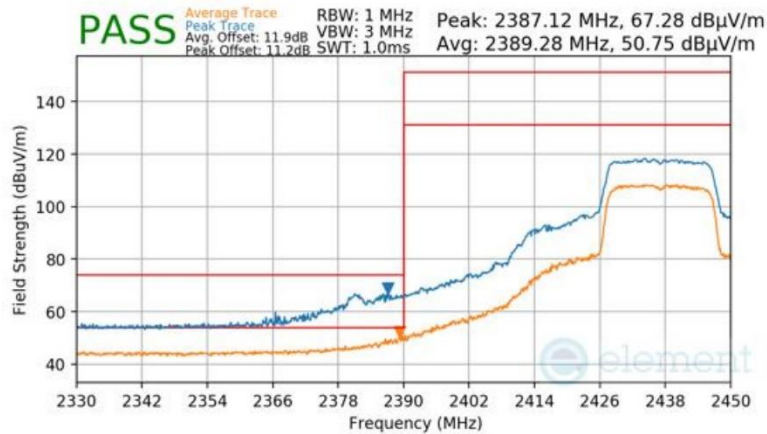
FCC ID: BCGA3268 IC: 579C-A3268		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210074-03.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 109 of 153

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Mode  
Data Rate  
Distance of Measurement  
Operating Frequency  
Channel

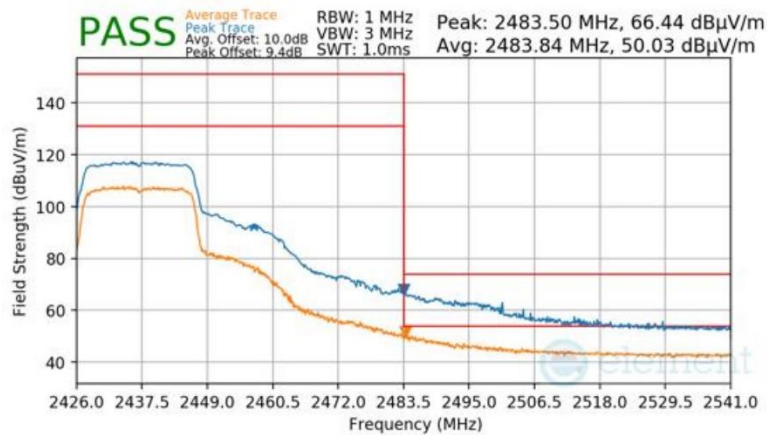
802.11ax-SU  
MCS9  
3 Meters  
2437MHz  
6



Plot 7-135 Radiated Restricted Lower Band Edge Measurement Antenna WF7b

Mode  
Data Rate  
Distance of Measurement  
Operating Frequency  
Channel

802.11ax-SU  
MCS9  
3 Meters  
2437MHz  
6



Plot 7-136 Radiated Restricted Upper Band Edge Measurement Antenna WF7b

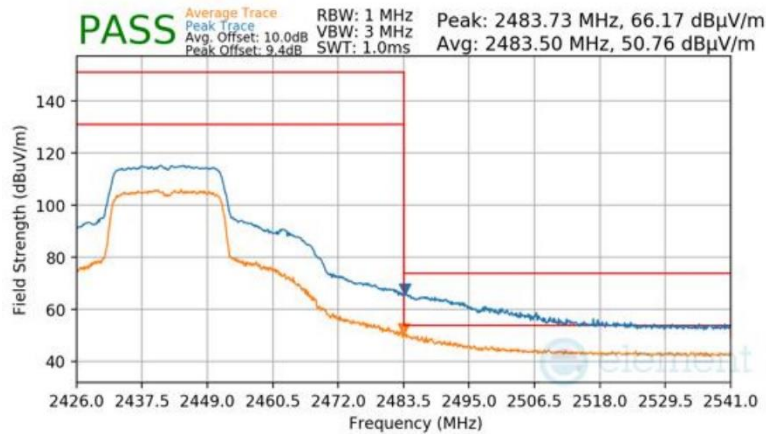
FCC ID: BCGA3268 IC: 579C-A3268		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210074-03.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 110 of 153

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Mode  
Data Rate  
Distance of Measurement  
Operating Frequency  
Channel

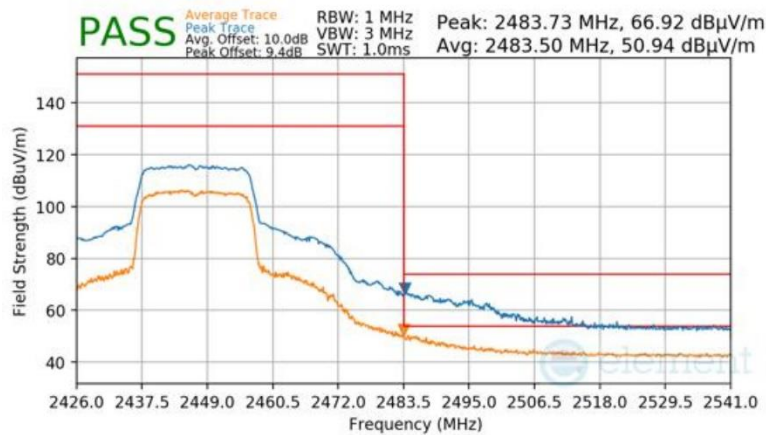
802.11ax-SU  
MCS9  
3 Meters  
2442MHz  
7



Plot 7-137 Radiated Restricted Upper Band Edge Measurement Antenna WF7b

Mode  
Data Rate  
Distance of Measurement  
Operating Frequency  
Channel

802.11ax-SU  
MCS9  
3 Meters  
2447MHz  
8



Plot 7-138 Radiated Restricted Upper Band Edge Measurement Antenna WF7b

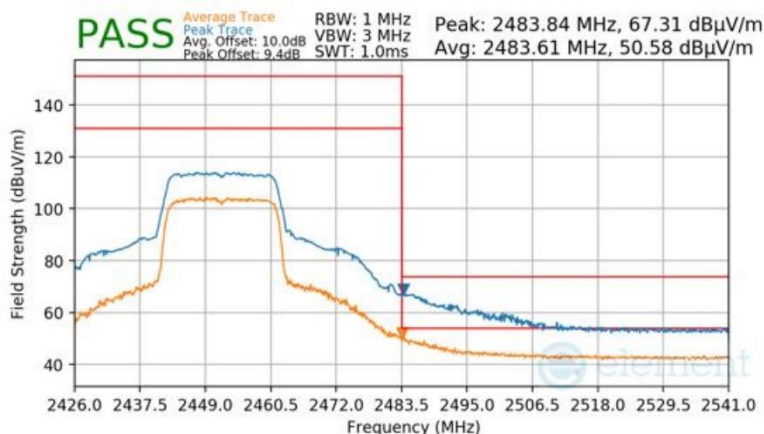
FCC ID: BCGA3268 IC: 579C-A3268		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2410210074-03.BCG	Test Dates: 10/25/2024 - 1/4/2025	EUT Type: Tablet Device	Page 111 of 153

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**Mode**  
**Data Rate**  
**Distance of Measurement**  
**Operating Frequency**  
**Channel**

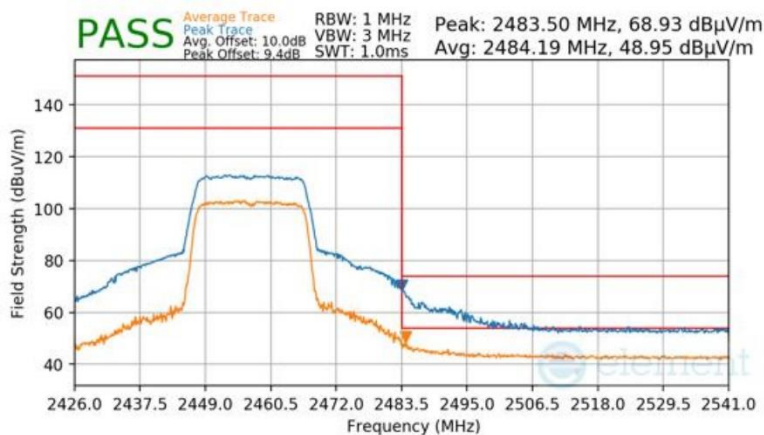
802.11ax-SU  
 MCS9  
 3 Meters  
 2452MHz  
 9



Plot 7-139 Radiated Restricted Upper Band Edge Measurement Antenna WF7b

**Mode**  
**Data Rate**  
**Distance of Measurement**  
**Operating Frequency**  
**Channel**

802.11ax-SU  
 MCS9  
 3 Meters  
 2457MHz  
 10



Plot 7-140 Radiated Restricted Upper Band Edge Measurement Antenna WF7b

FCC ID: BCGA3268 IC: 579C-A3268		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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