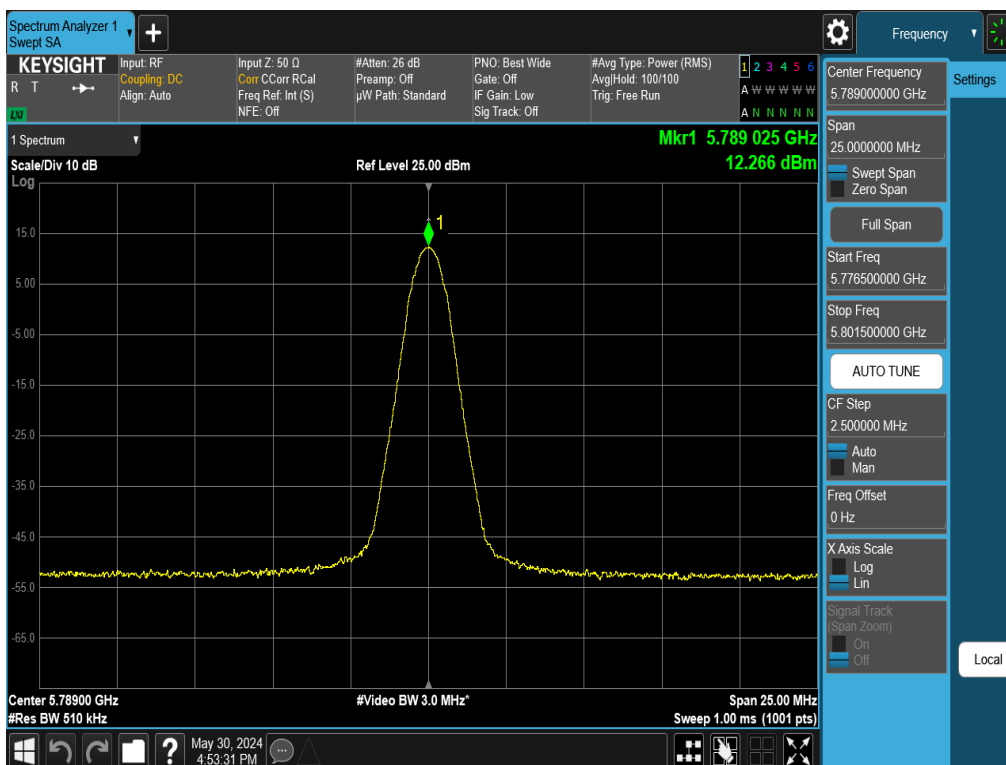
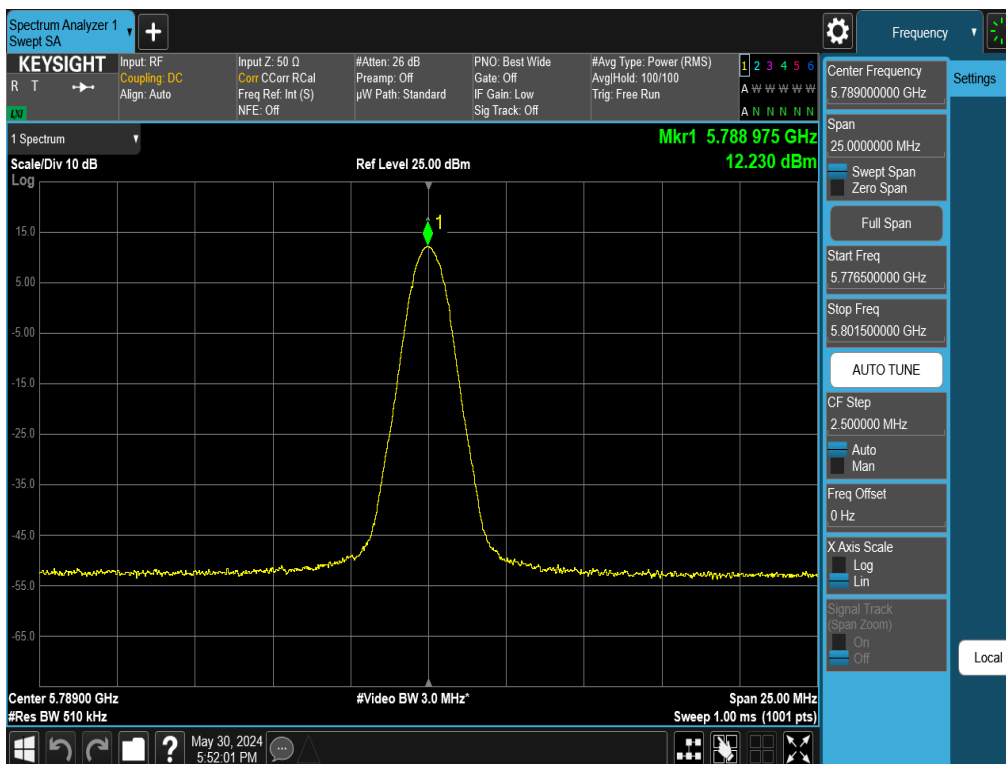




Plot 7-147. PSD TxBF Antenna WF5T (NB UNII BDR, ePA 5789MHz)

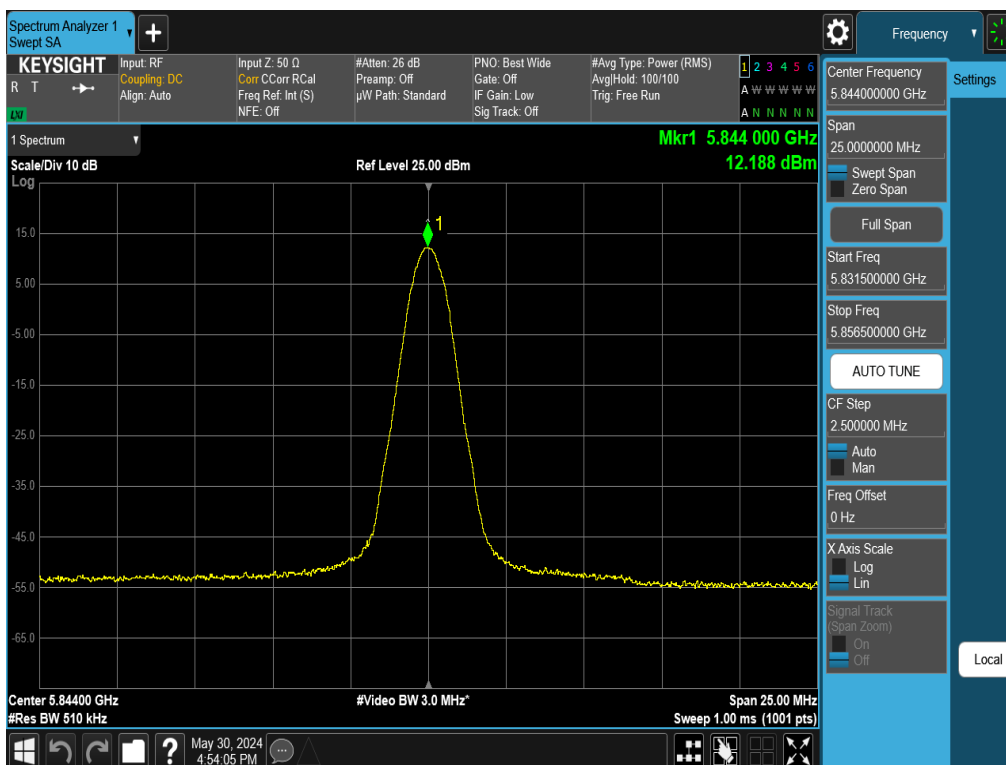


Plot 7-148. PSD TxBF Antenna WF2 (NB UNII BDR, ePA 5789MHz)

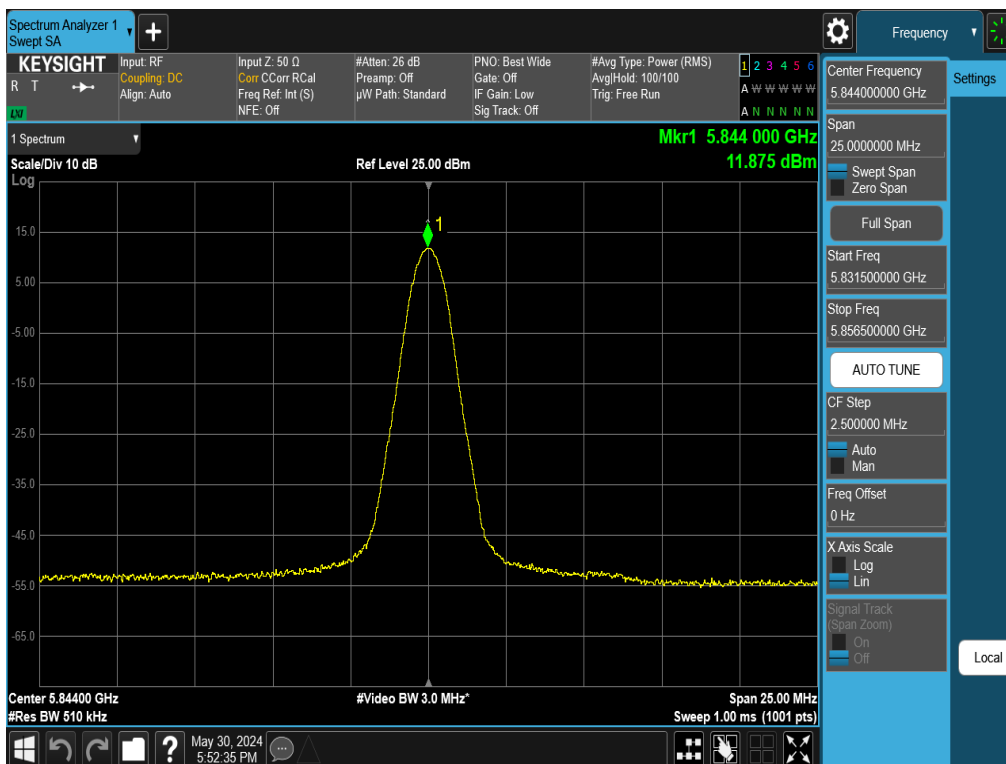
|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2993                           |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2405200017-08-R1.BCG | Test Dates:<br>5/20/2024 - 7/26/2024                                                | EUT Type:<br>Tablet Device            | Page 108 of 191                   |

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Plot 7-149. PSD TxBF Antenna WF5T (NB UNII BDR, ePA 5844MHz)

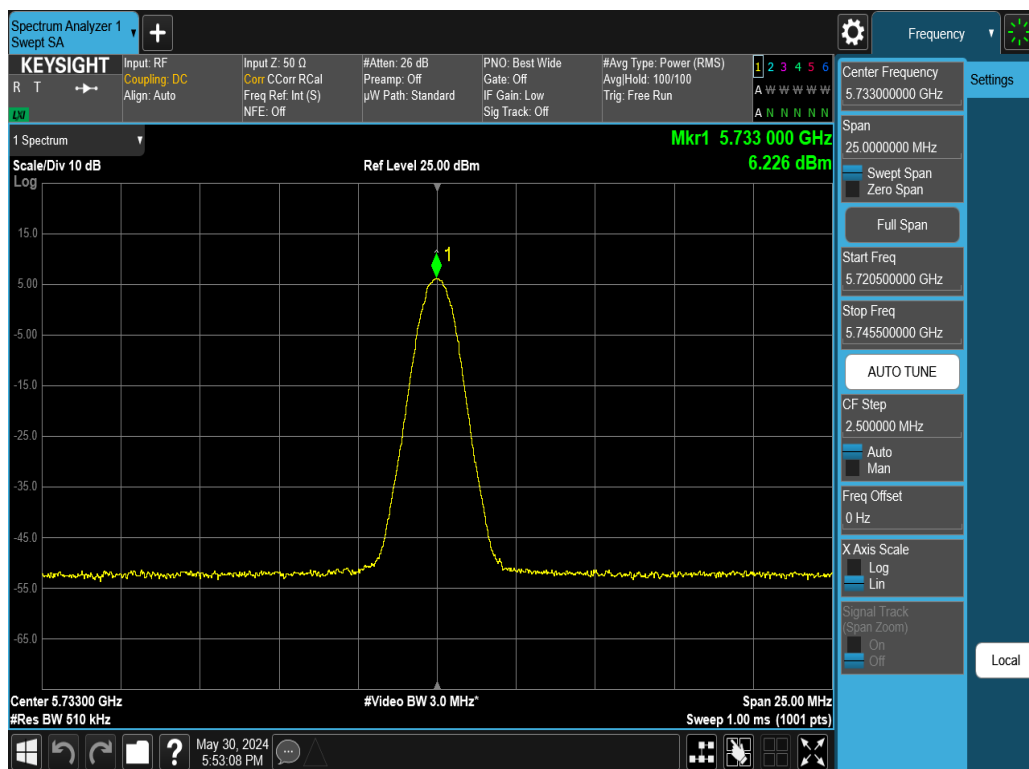
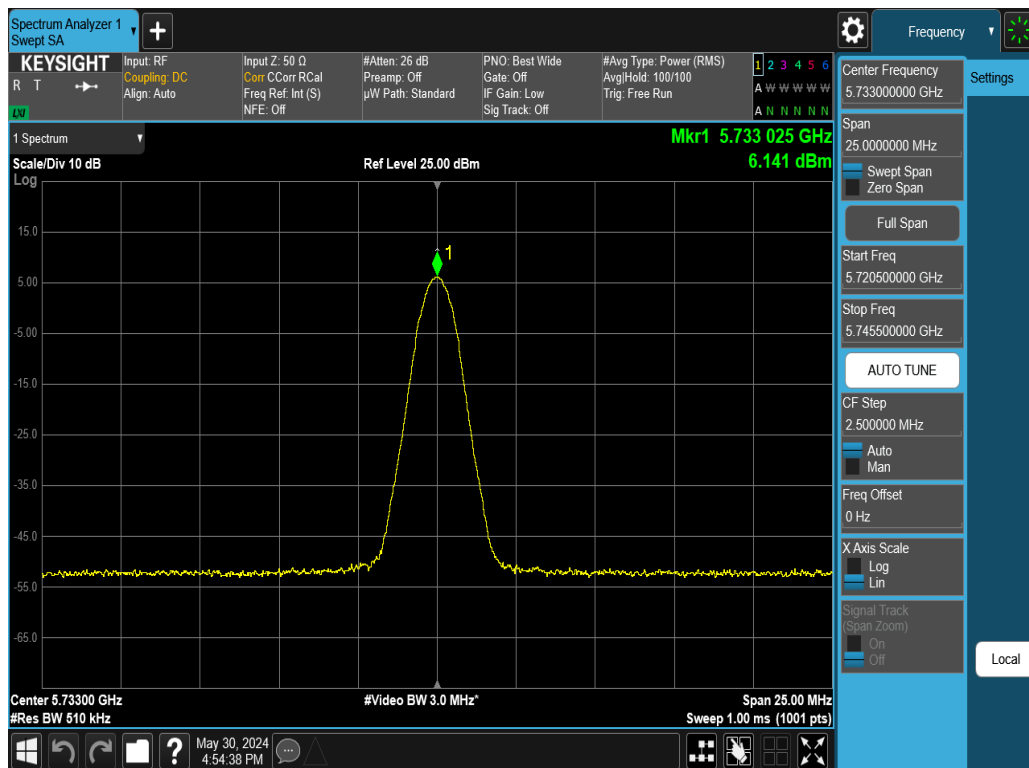


Plot 7-150. PSD TxBF Antenna WF2 (NB UNII BDR, ePA 5844MHz)

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2993                           |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2405200017-08-R1.BCG | Test Dates:<br>5/20/2024 - 7/26/2024                                                | EUT Type:<br>Tablet Device            | Page 109 of 191                   |

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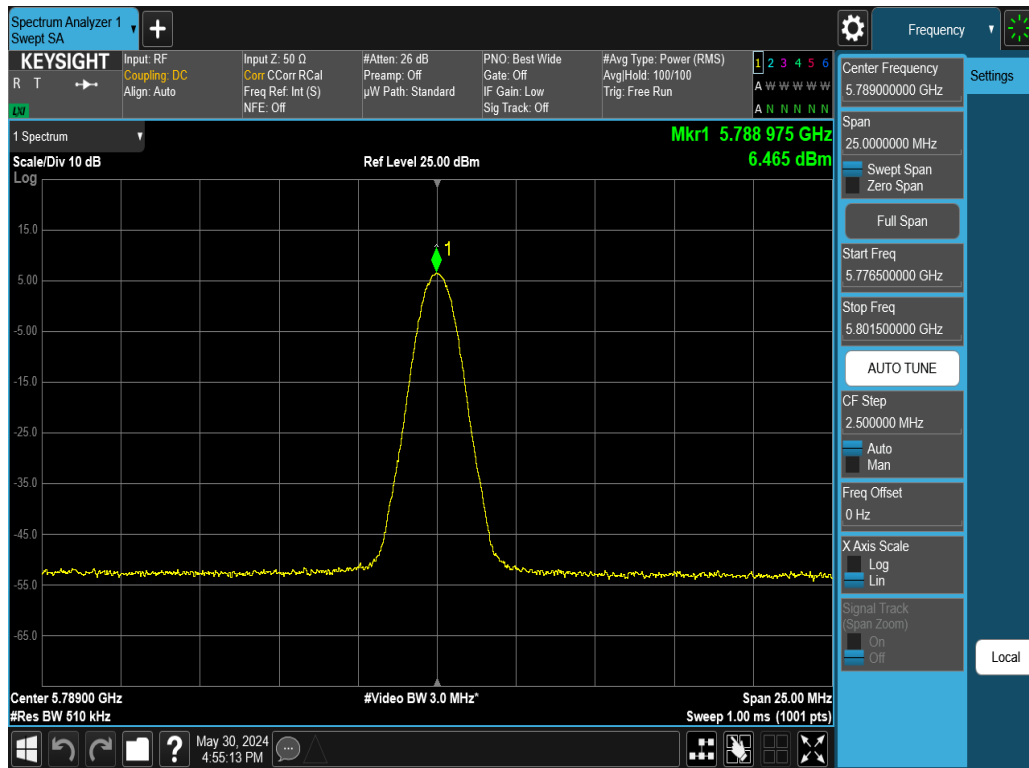
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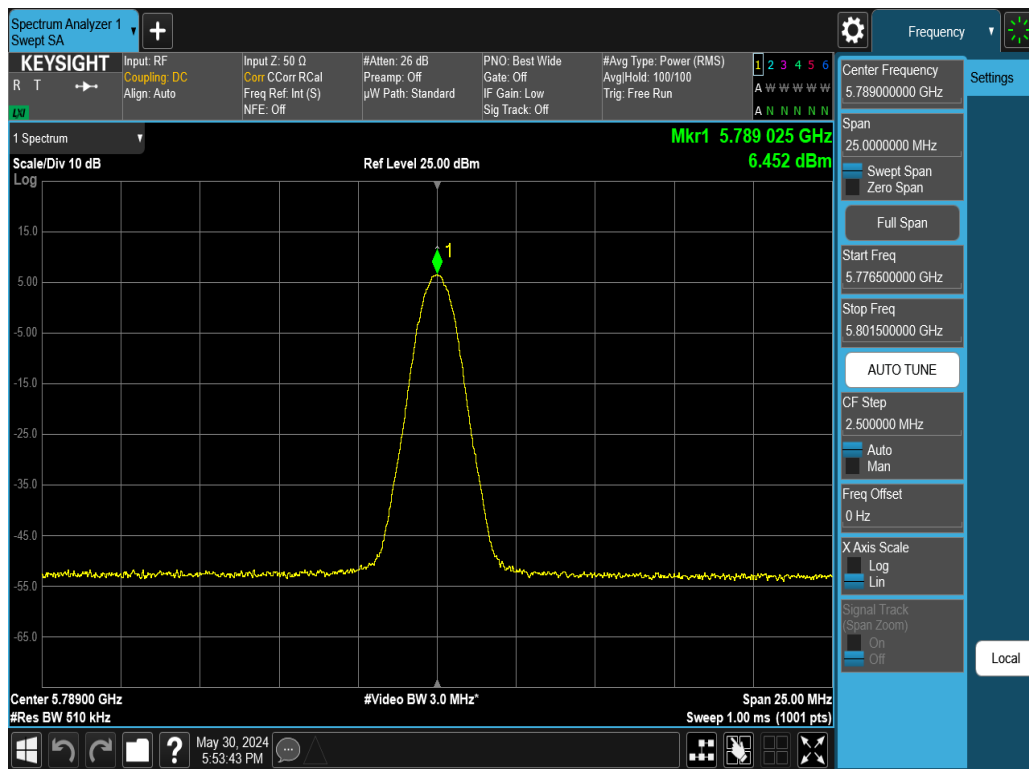
|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2993                           |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
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Plot 7-153. PSD TxBF Antenna WF5T (NB UNII BDR, iPA 5789MHz)

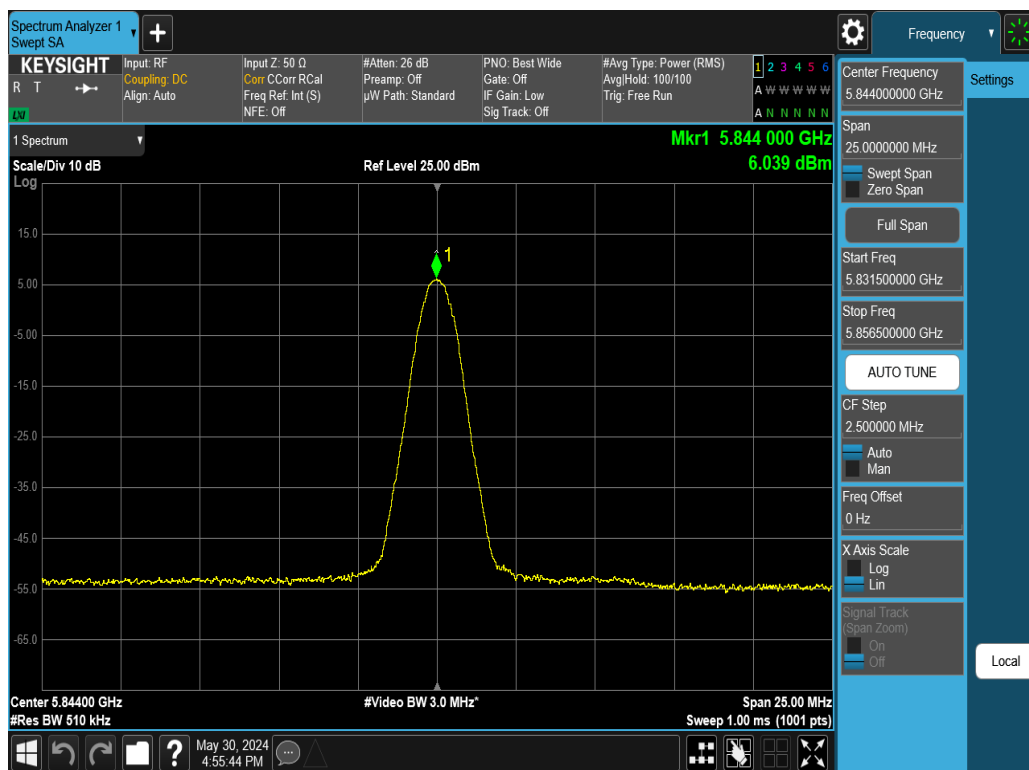


Plot 7-154. ISED PSD TxBF Antenna WF2 (NB UNII BDR, iPA 5789MHz)

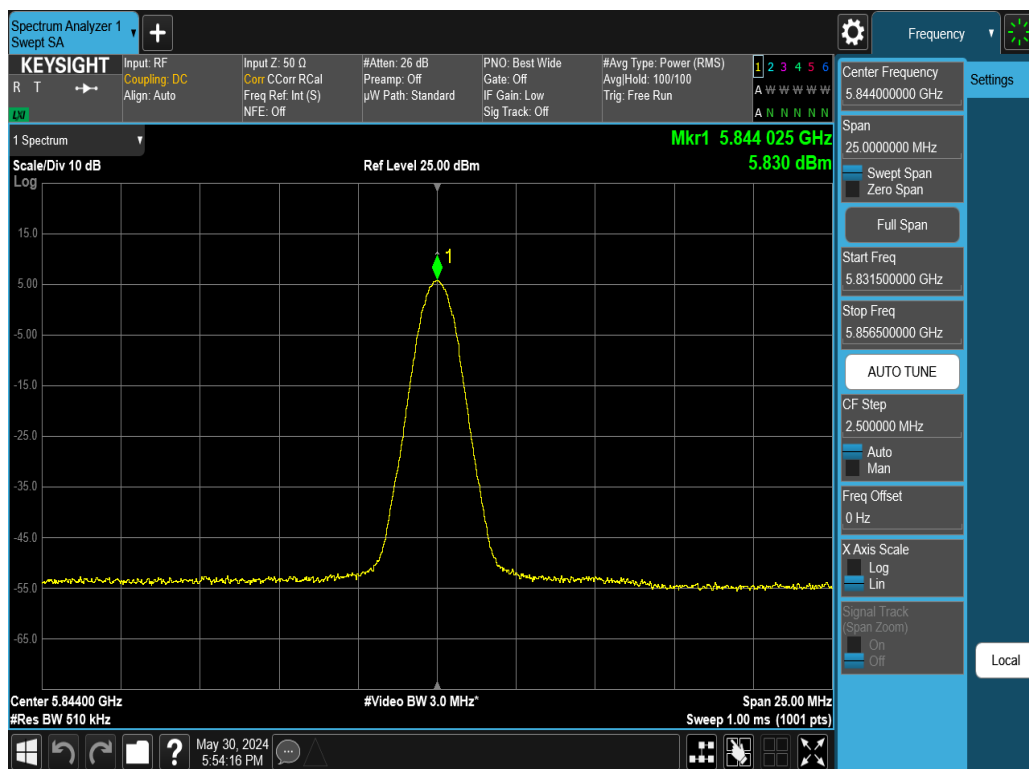
|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2993                           |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
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Plot 7-155. ISED PSD TxBF Antenna WF5T (NB UNII BDR, iPA 5844MHz)

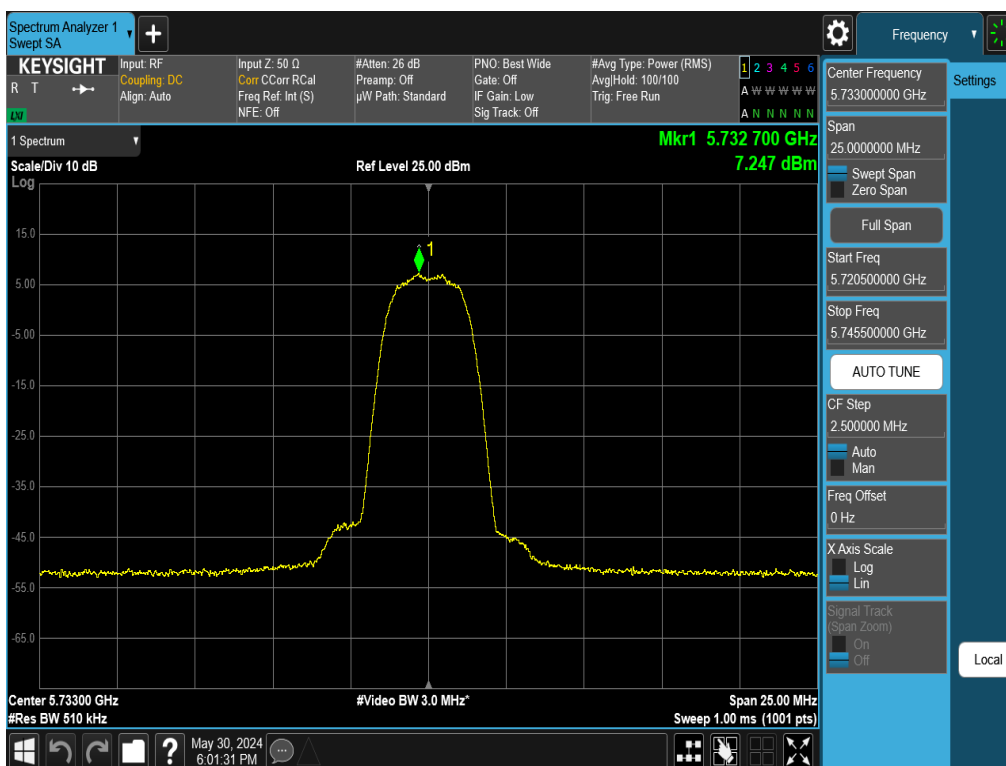
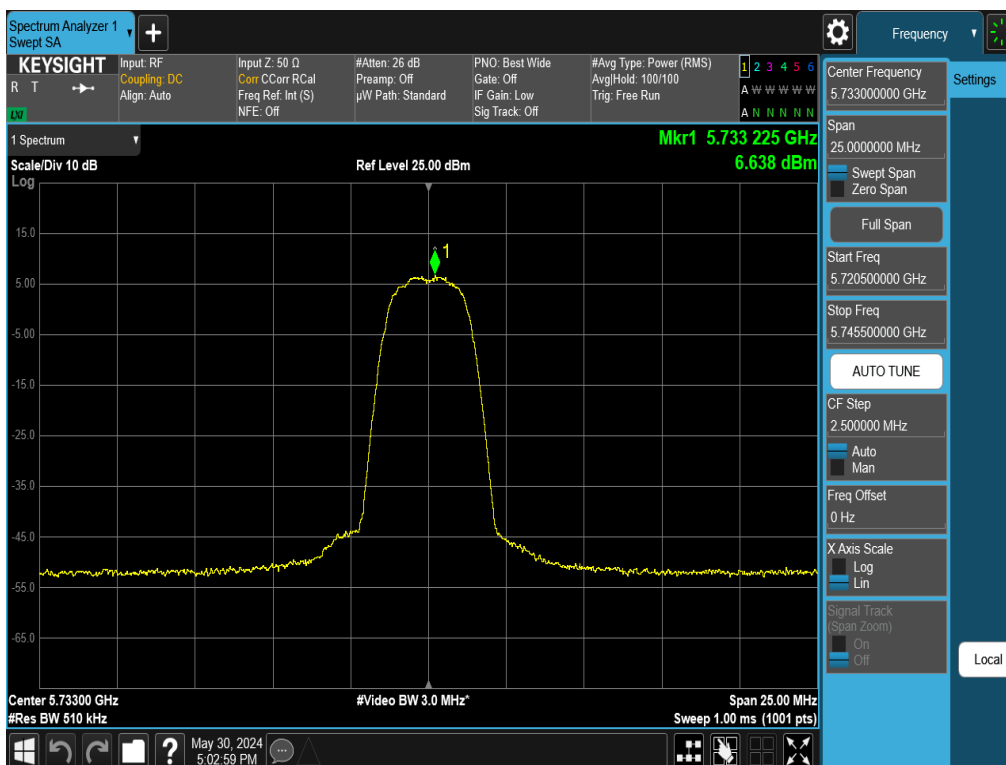


Plot 7-156. ISED PSD TxBF Antenna WF2 (NB UNII BDR, iPA 5844MHz)

|                                            |                                                                                                                                  |                            |                                   |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
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| Test Report S/N:<br>1C2405200017-08-R1.BCG | Test Dates:<br>5/20/2024 - 7/26/2024                                                                                             | EUT Type:<br>Tablet Device | Page 112 of 191                   |

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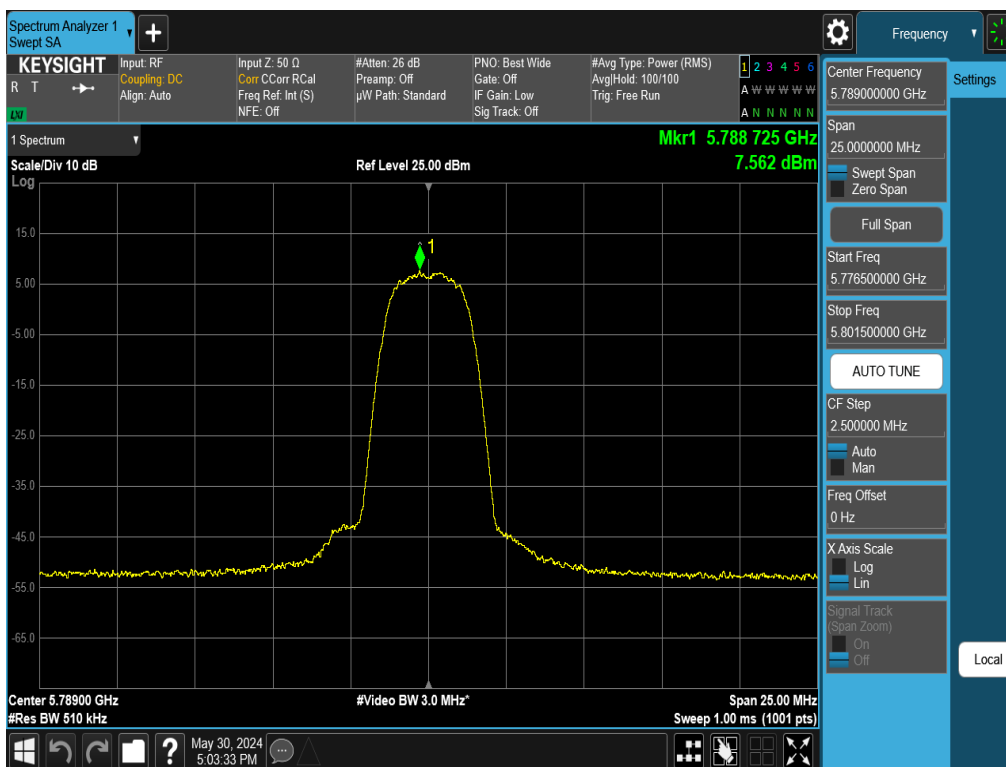
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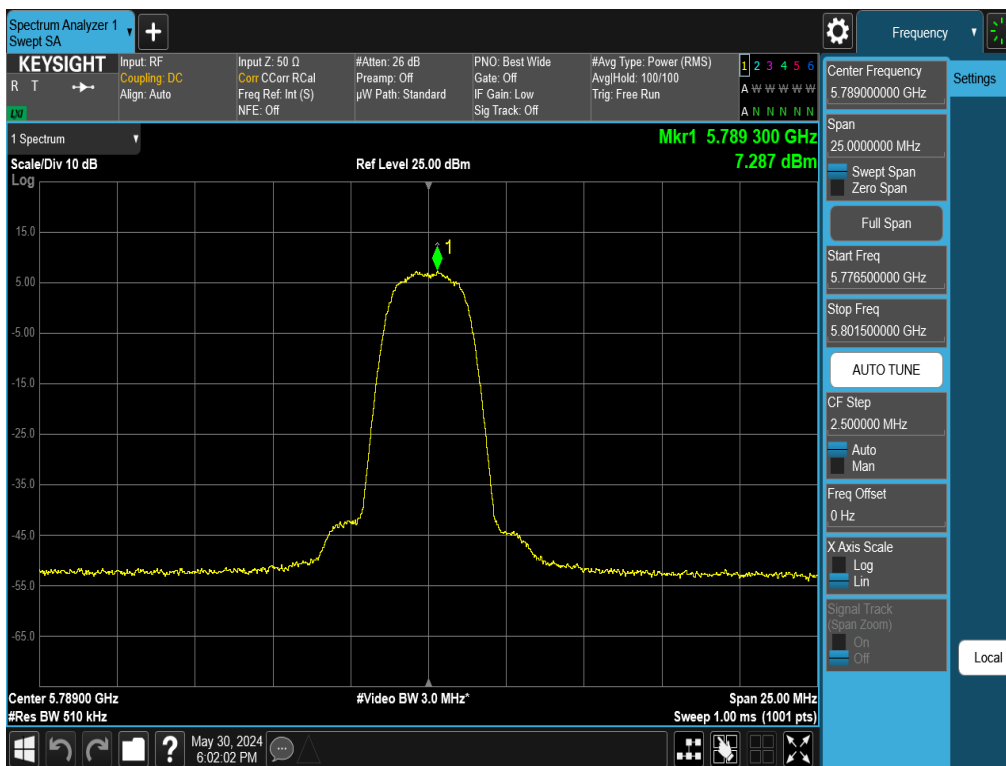
|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2993                           |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
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Plot 7-159. PSD TxBF Antenna WF5T (NB UNII HDR4, ePA 5789MHz)

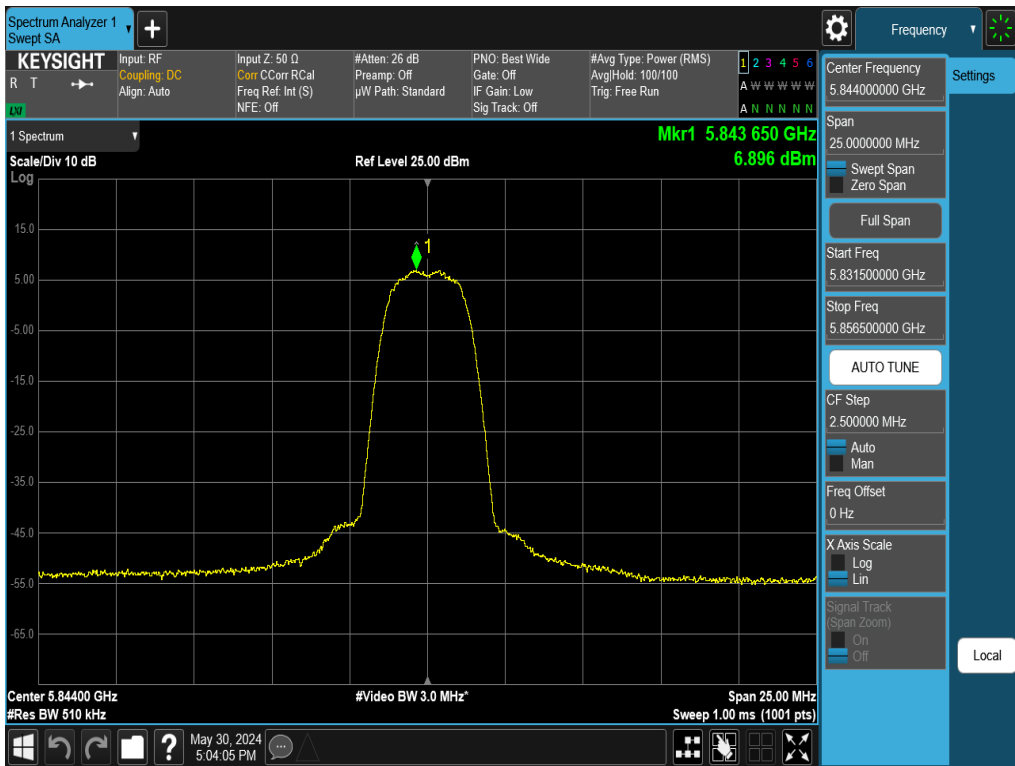


Plot 7-160. PSD TxBF Antenna WF2 (NB UNII HDR4, ePA 5789MHz)

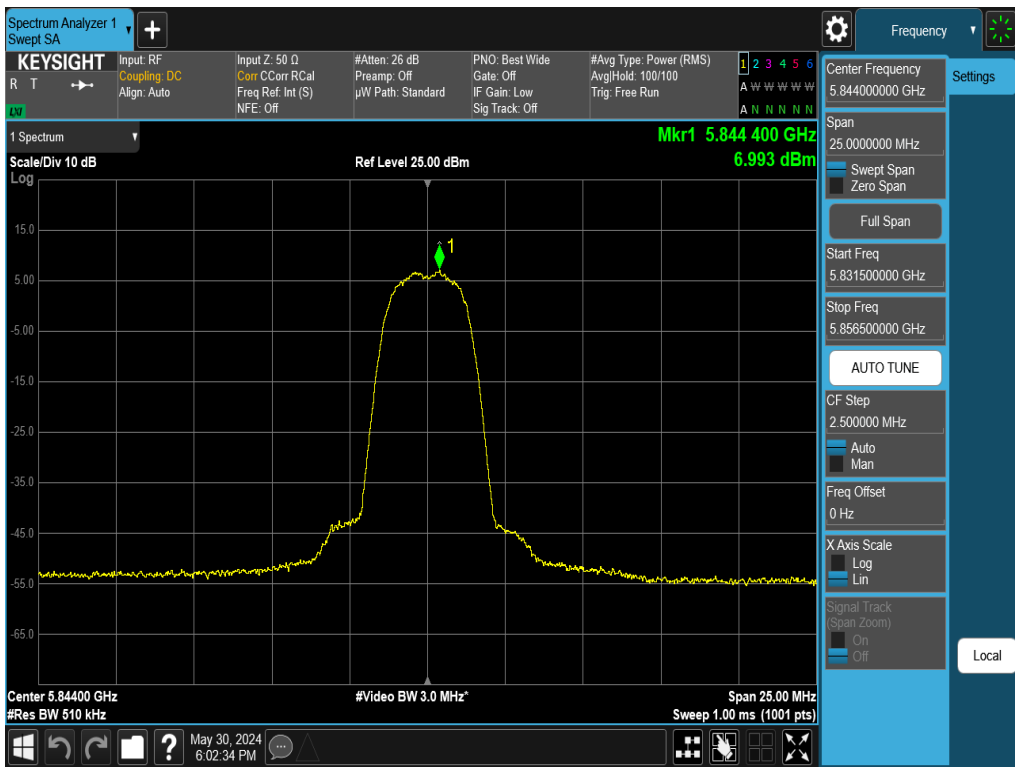
|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2993                           |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2405200017-08-R1.BCG | Test Dates:<br>5/20/2024 - 7/26/2024                                                | EUT Type:<br>Tablet Device            | Page 114 of 191                   |

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Plot 7-161. PSD TxBF Antenna WF5T (NB UNII HDR4, ePA 5844MHz)



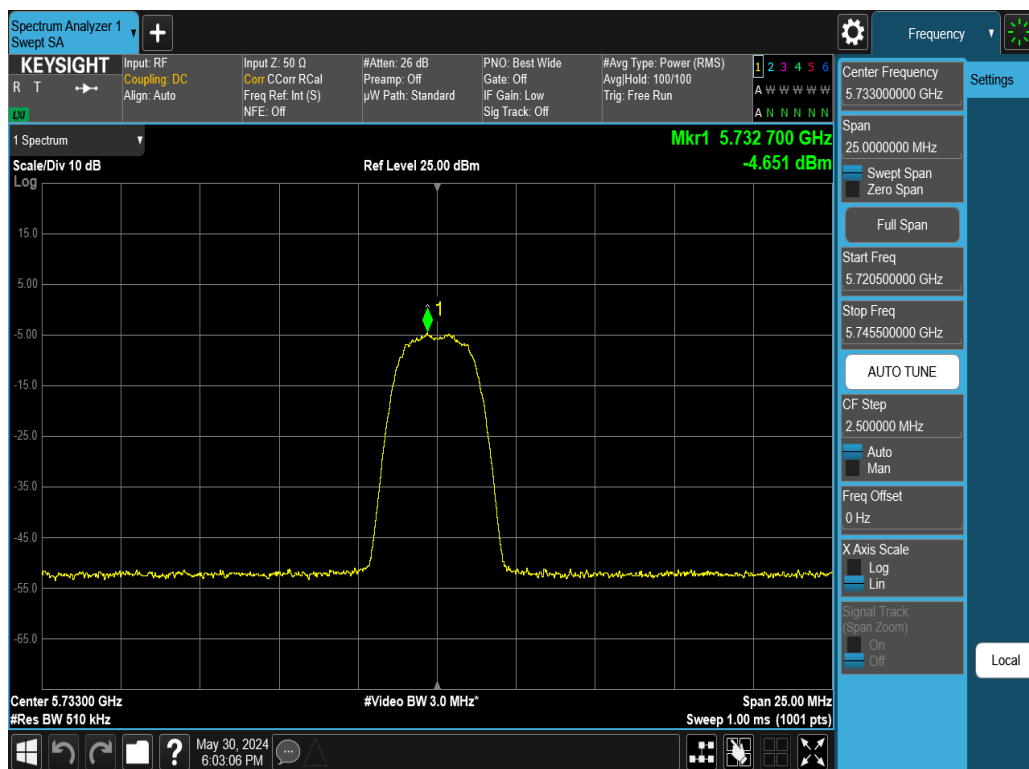
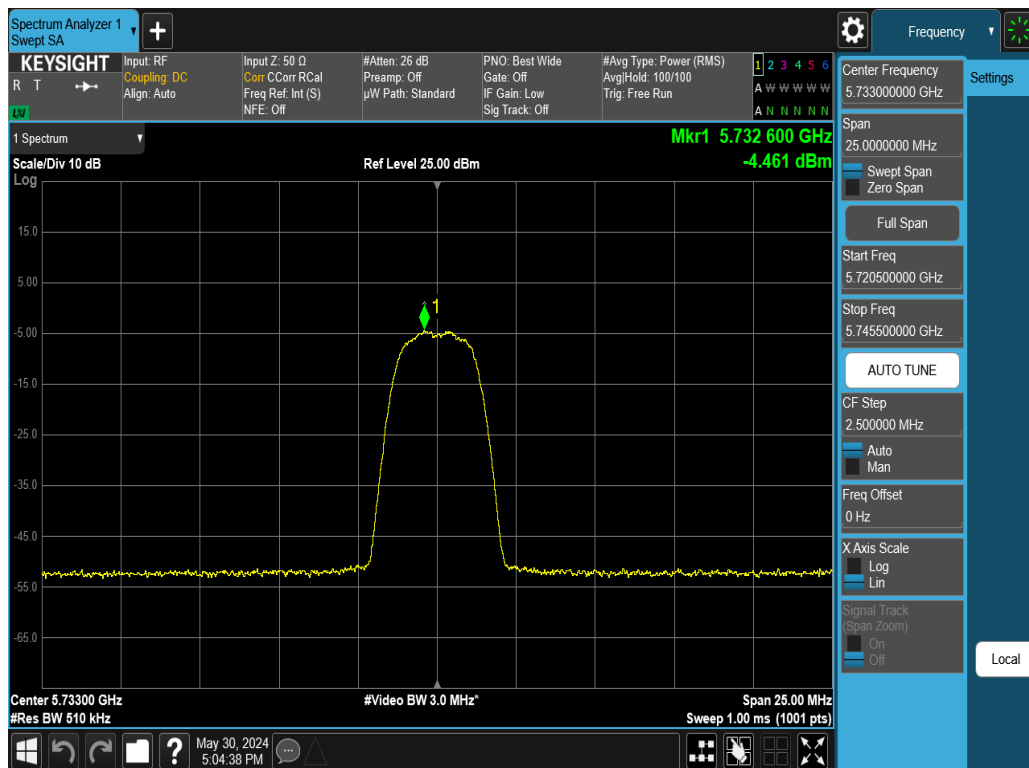
Plot 7-162. PSD TxBF Antenna WF2 (NB UNII HDR4, ePA 5844MHz)

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2993                           |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
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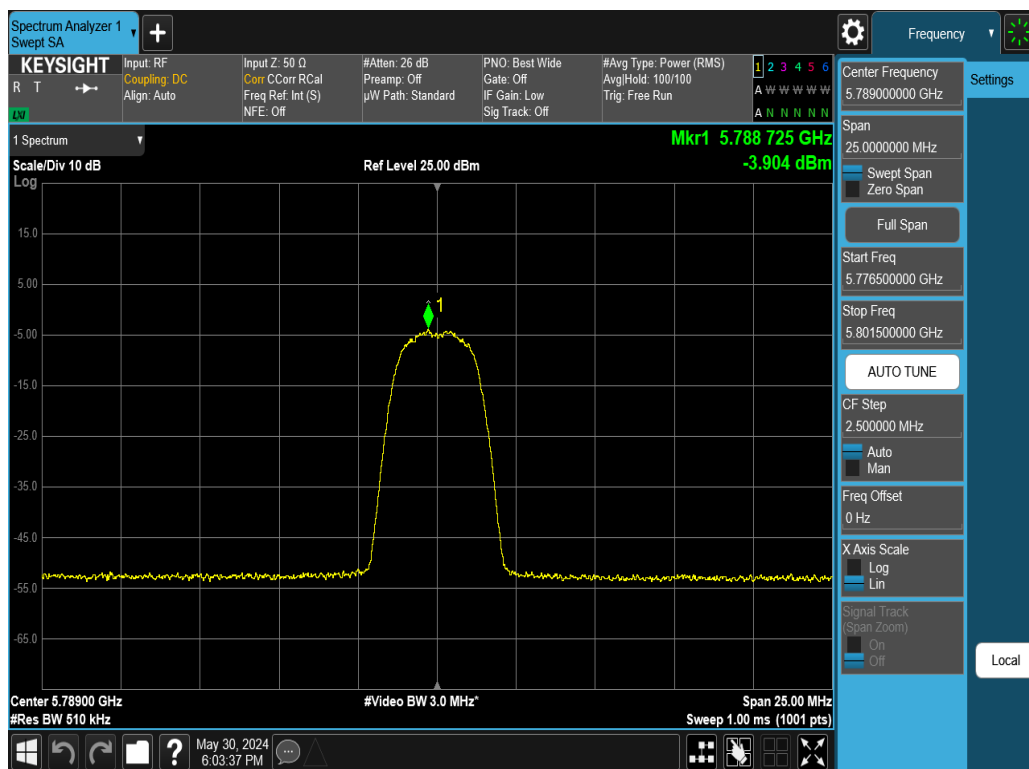
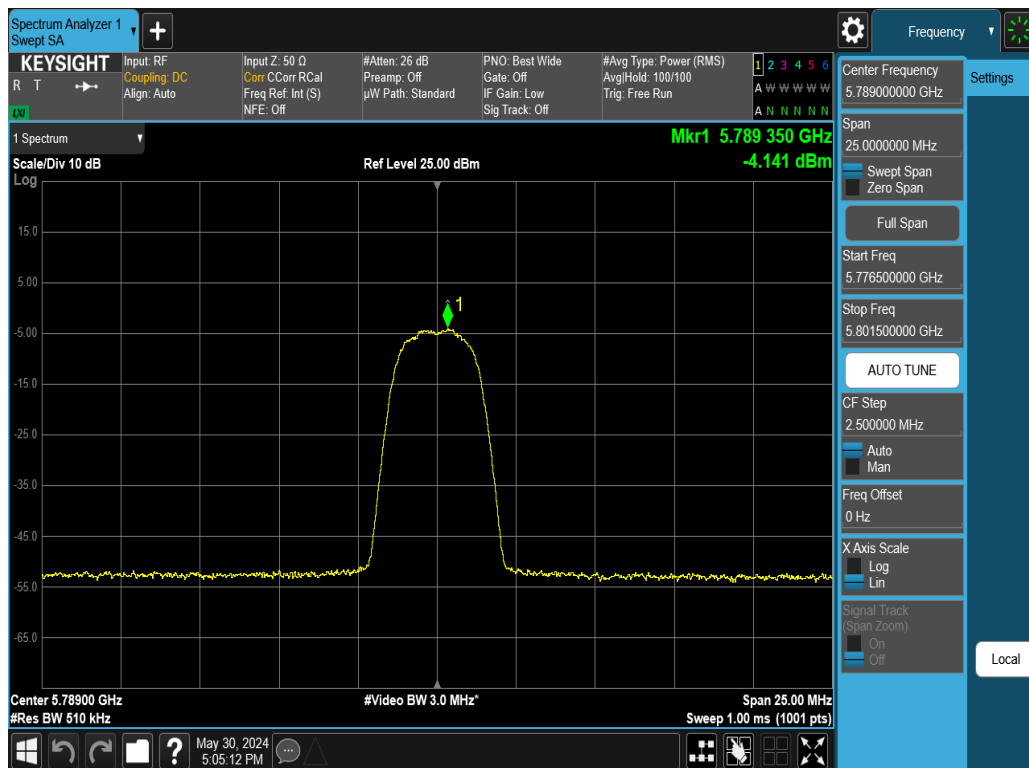




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|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
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| Test Report S/N:<br>1C2405200017-08-R1.BCG | Test Dates:<br>5/20/2024 - 7/26/2024                                                                                             | EUT Type:<br>Tablet Device | Page 116 of 191                   |

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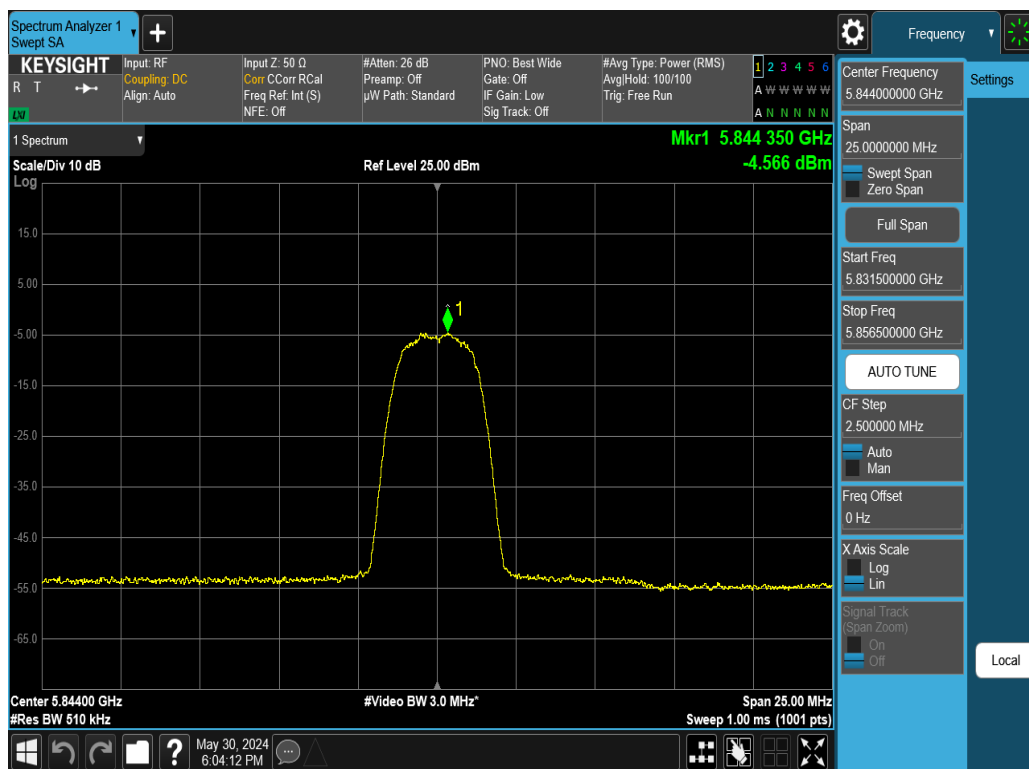
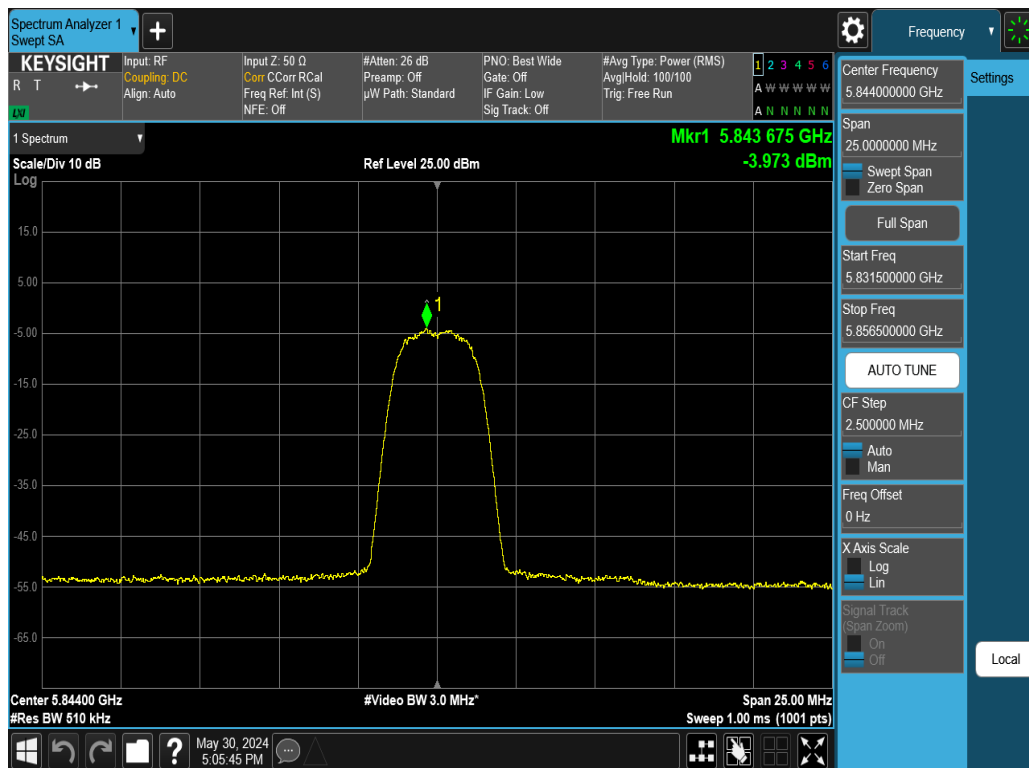
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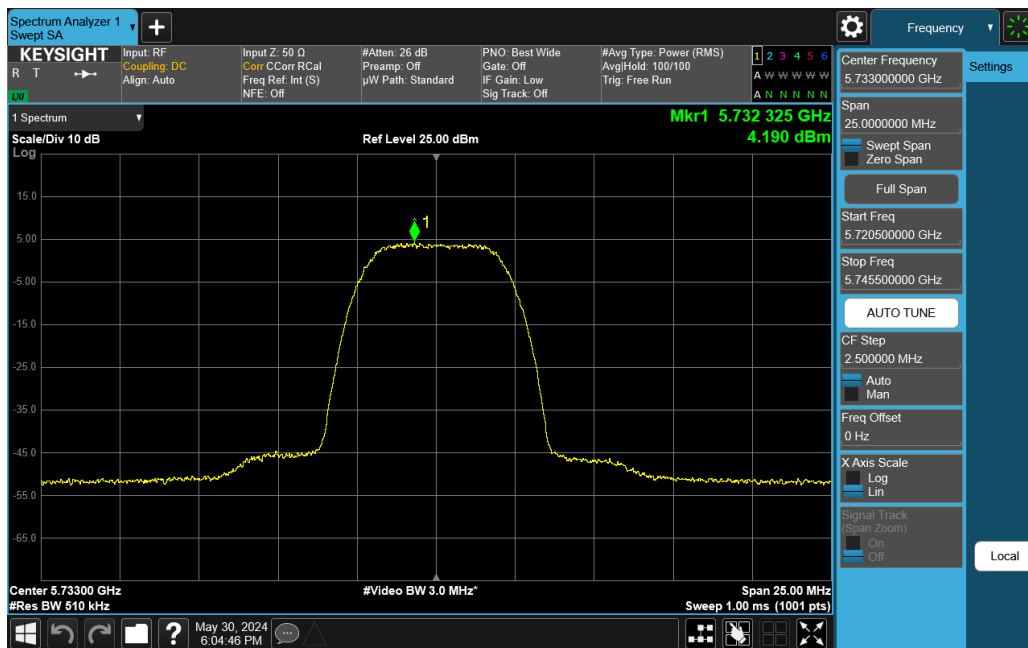
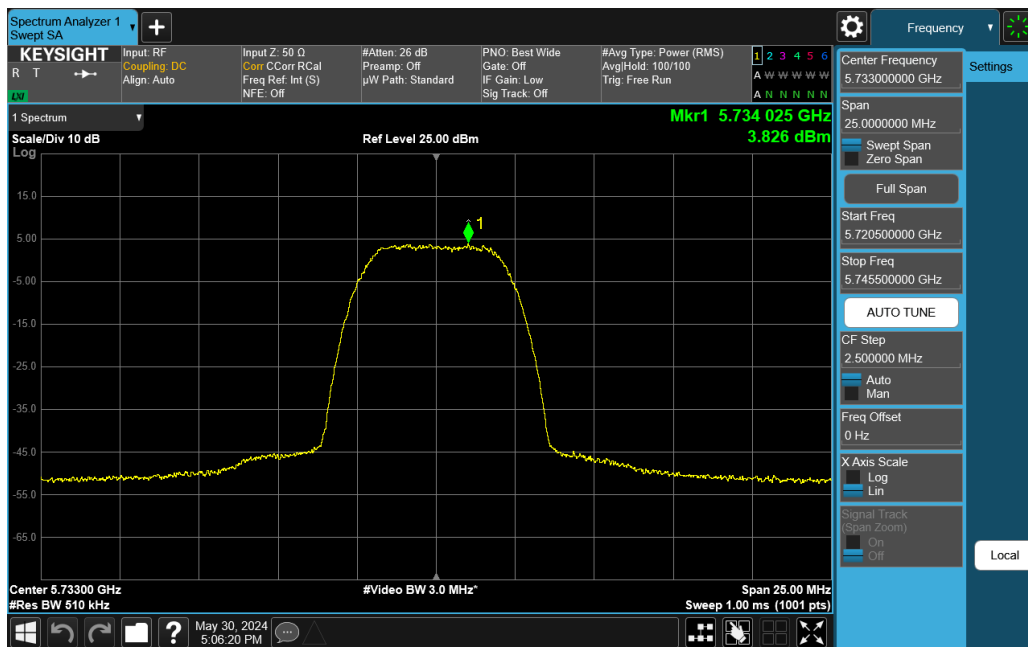
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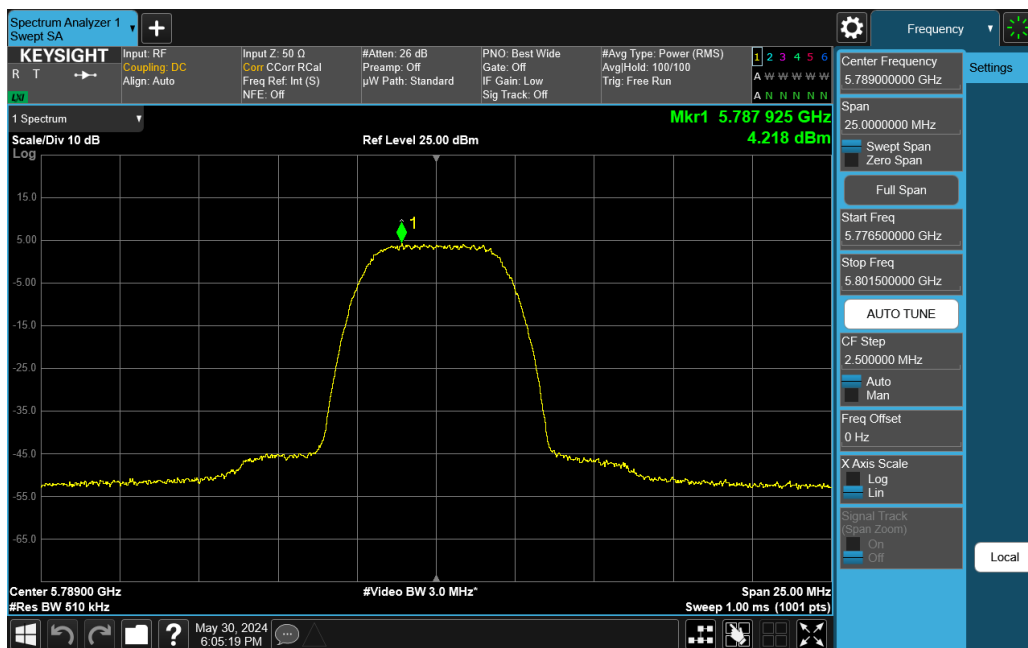
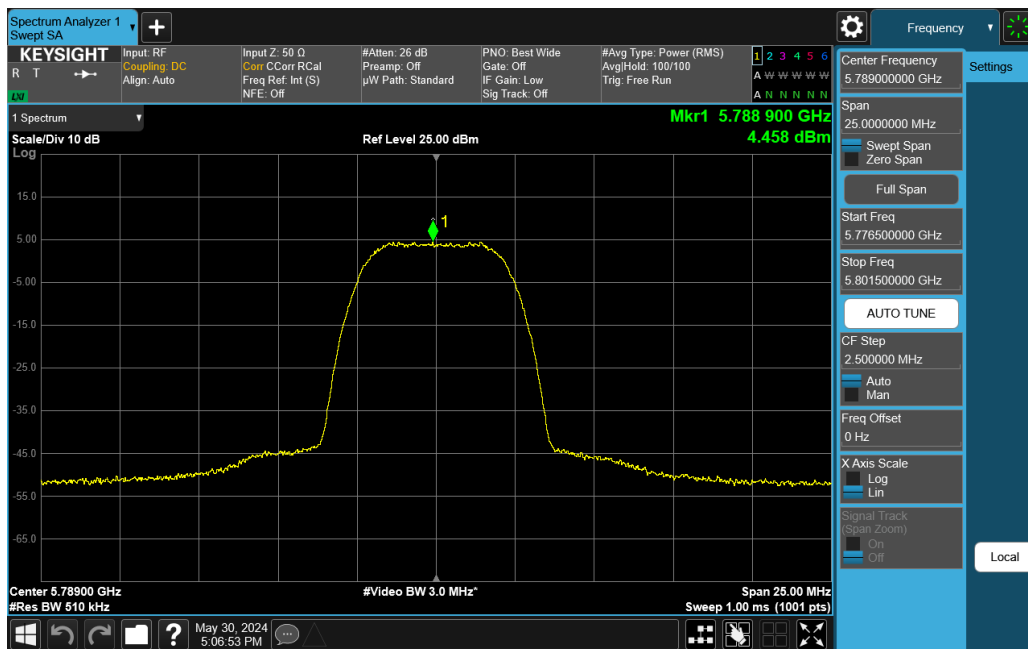
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| Test Report S/N:<br>1C2405200017-08-R1.BCG | Test Dates:<br>5/20/2024 - 7/26/2024                                                                                             | EUT Type:<br>Tablet Device | Page 119 of 191                   |

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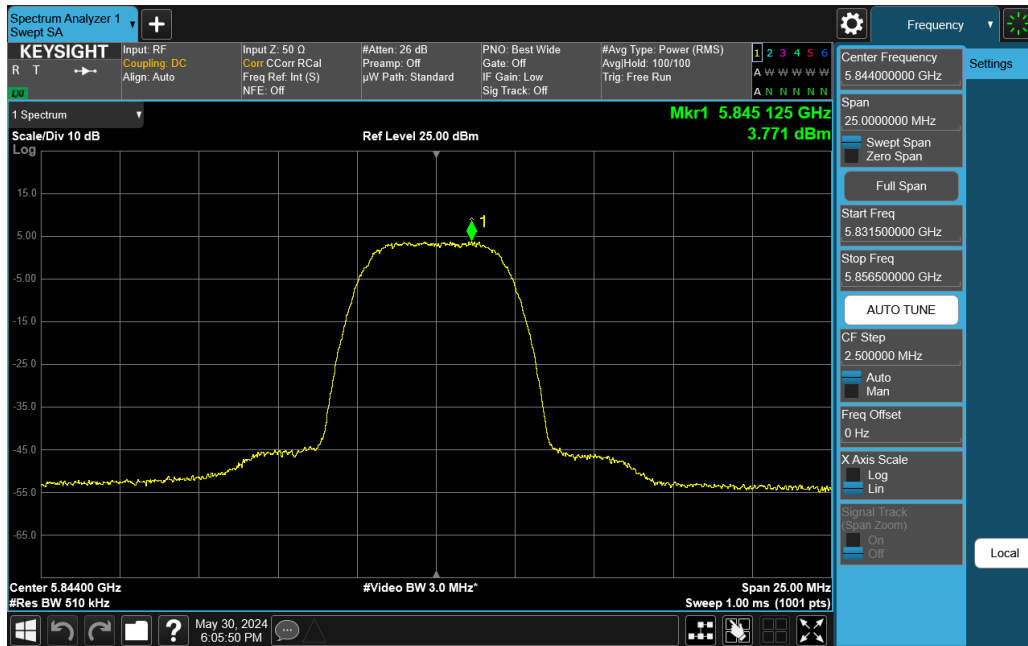
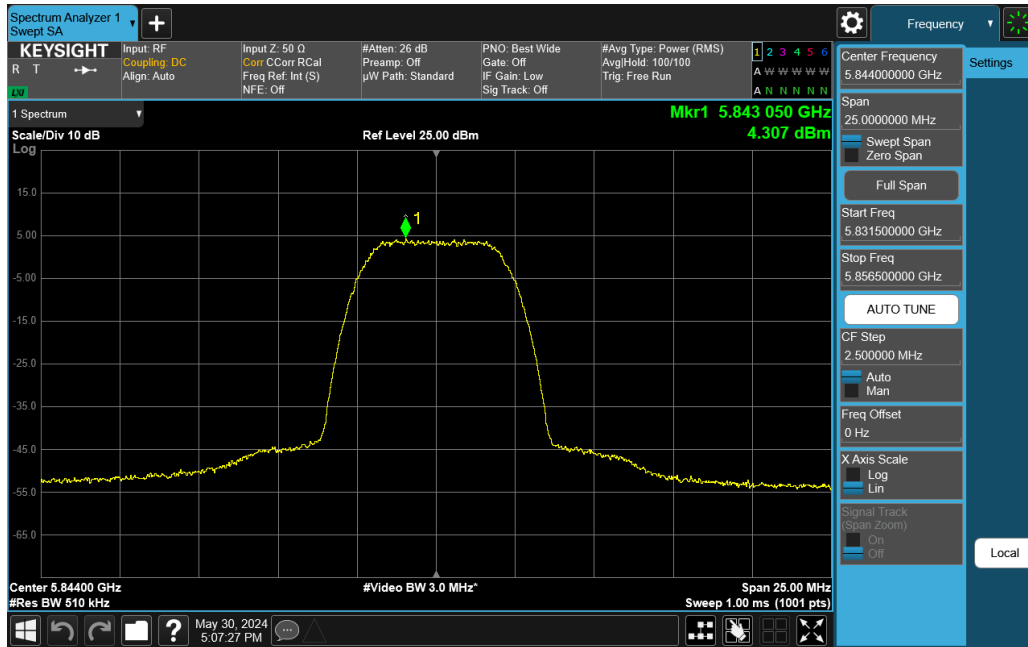
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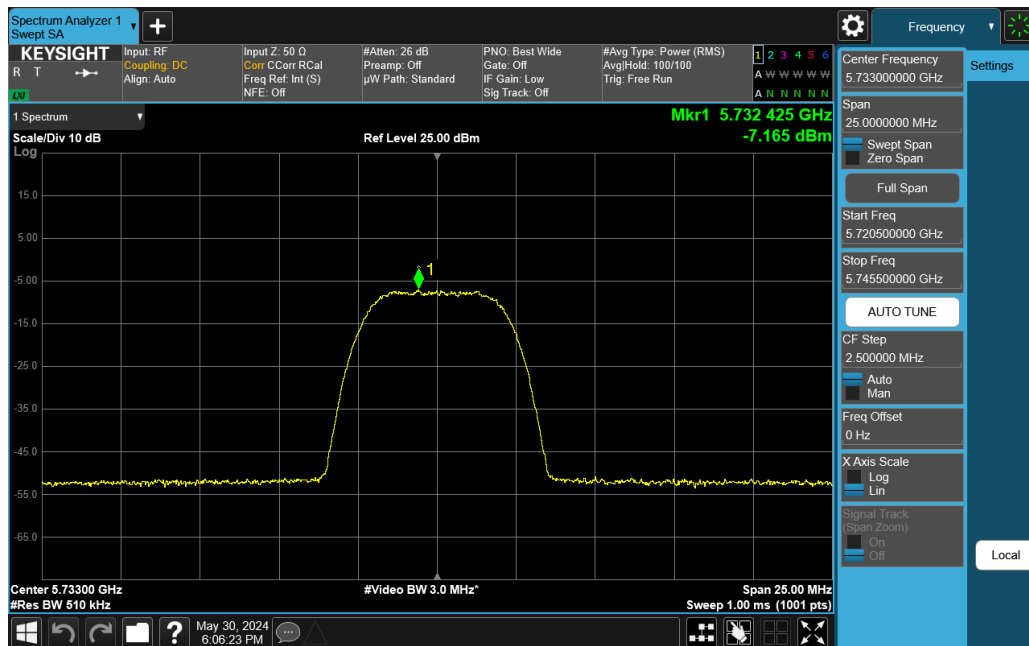
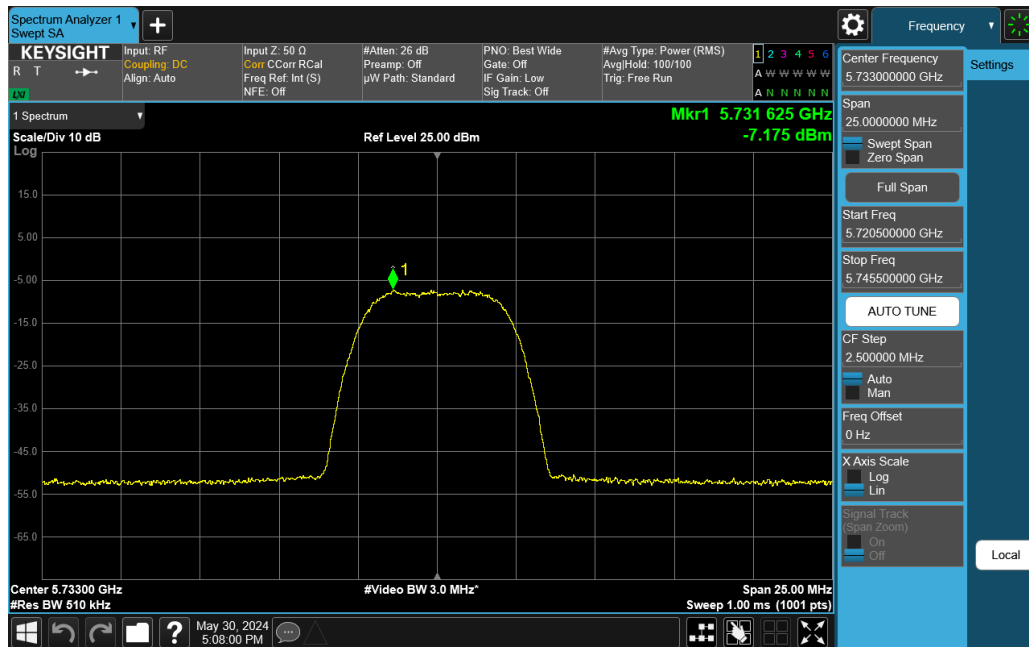
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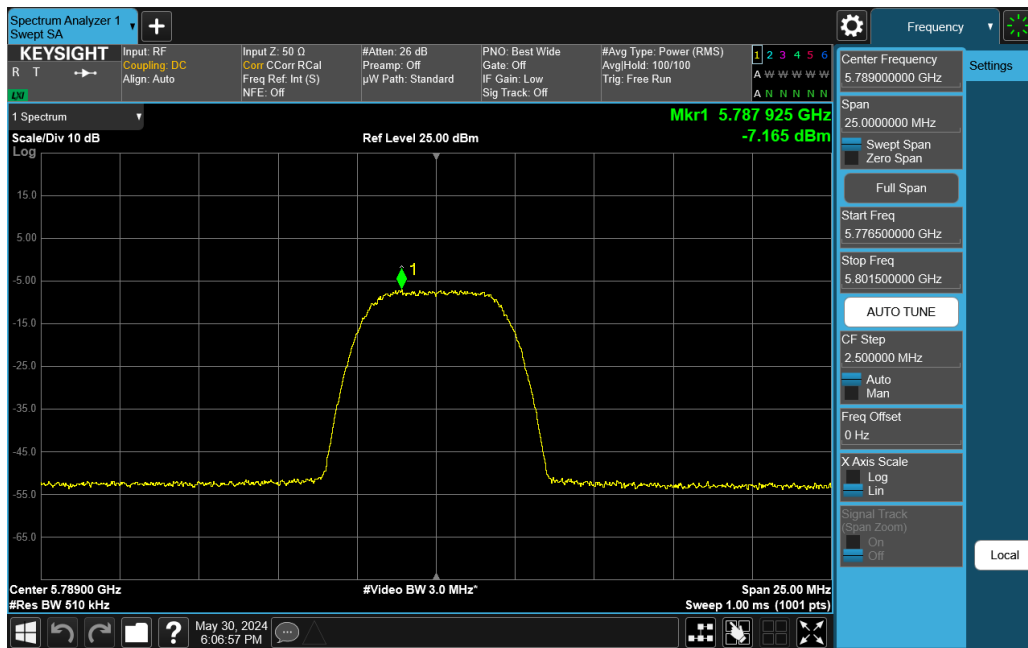
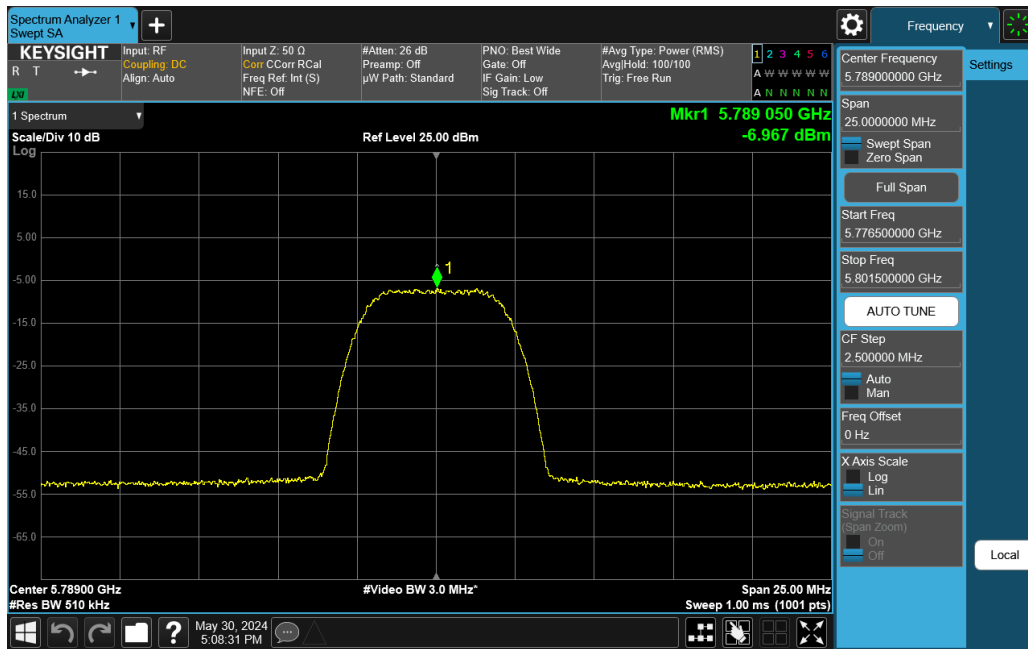
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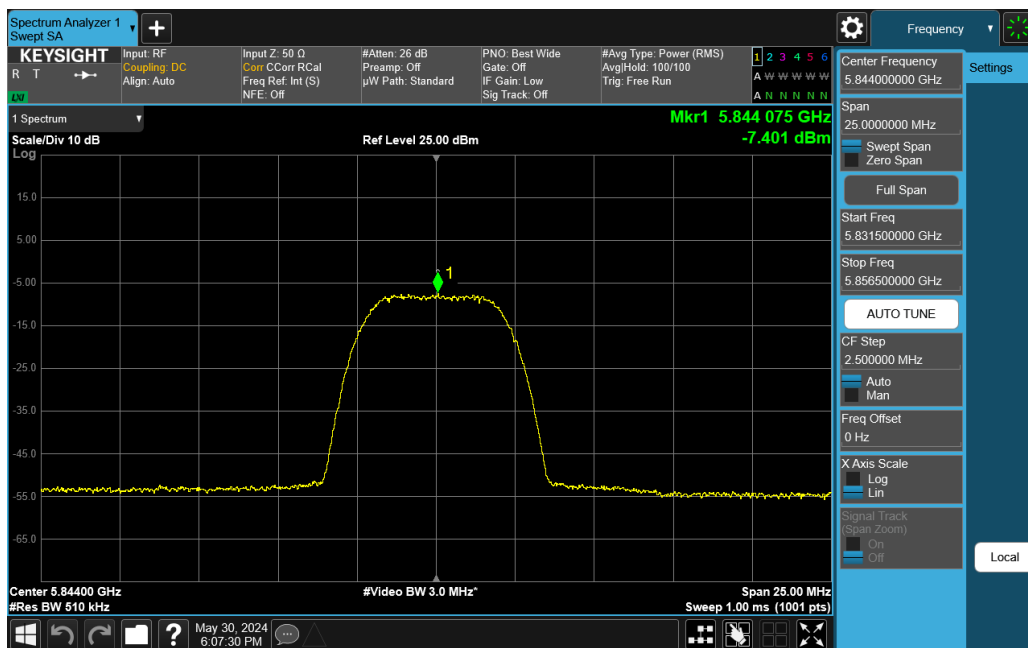
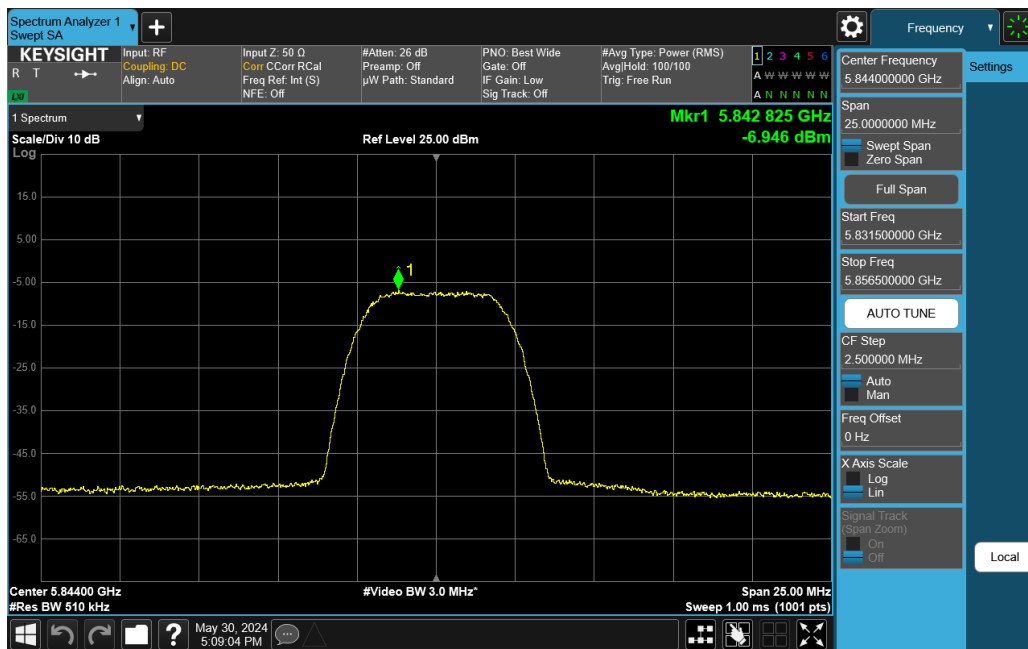


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**Note:**

Per ANSI C63.10-2020 Subclause 14.5.2.2 and KDB 662911 v02r01 Section E)2), the power spectral density at Antenna WF5T and Antenna WF2 were first measured separately during TxBF transmission as shown in the section above. The measured values were then summed in linear power units then converted back to dBm.

**Sample TxBF Calculation:**

Assuming the average conducted power spectral density was measured to be 6.55 dBm for Antenna WF5T and 6.54 dBm for Antenna WF2.

$$\text{Antenna WF5T} + \text{Antenna WF2} = \text{TxBF}$$

$$(6.55 \text{ dBm} + 6.54 \text{ dBm}) = (4.518 \text{ mW} + 4.508 \text{ mW}) = 9.026 \text{ mW} = 9.56 \text{ dBm}$$

|                                            |                                                                                                                                   |                            |                                   |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------|
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## 7.5 Radiated Spurious Emission – Above 1GHz

§15.407(b) §15.205 §15.209

### 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 its maximum power control level, as defined in ANSI C63.10-2020 and KDB 789033 D02 v02r01, and at the appropriate frequencies. All channels and power schemes were investigated among all UNII bands. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

***For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.25 GHz band shall not exceed an EIRP of -27 dBm/MHz.***

***For transmitters operating in the 5.725 – 5.85 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.***

***All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table 7-15 per Section 15.209.***

| Frequency       | Field Strength<br>[ $\mu$ V/m] | Measured Distance<br>[Meters] |
|-----------------|--------------------------------|-------------------------------|
| Above 960.0 MHz | 500                            | 3                             |

**Table 7-15. Radiated Limits**

### Test Procedures Used

ANSI C63.10-2020 – Subclauses 12.7.7.2, 12.7.6

KDB 789033 D02 v02r01 – Section G

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2993                           |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2405200017-08-R1.BCG | Test Dates:<br>5/20/2024 - 7/26/2024                                                | EUT Type:<br>Tablet Device            | Page 126 of 191                   |

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## 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. Averaging type = power (RMS)
7. Sweep time = auto couple
8. Trace was averaged over 100 sweeps

### 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

## Test Setup

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

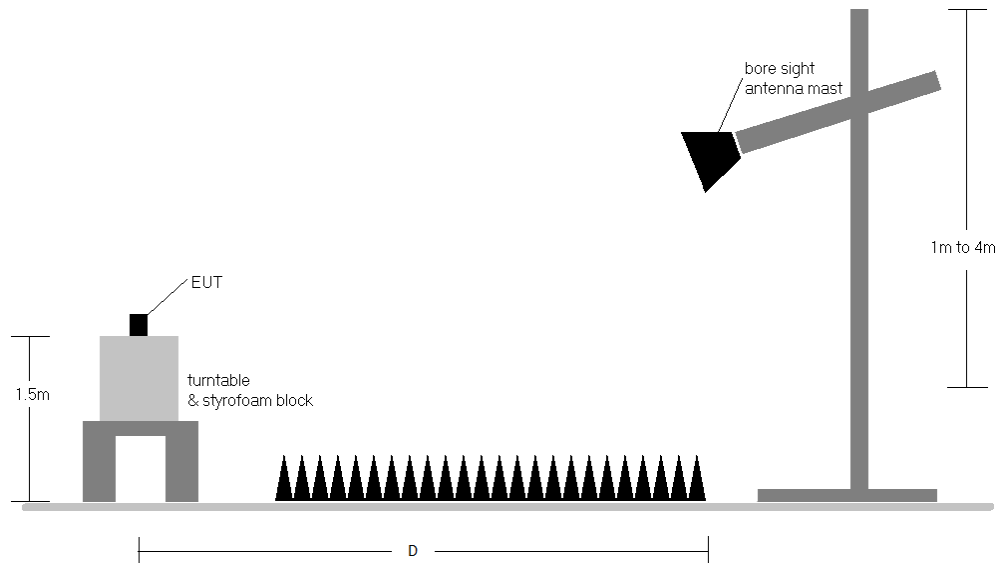


Figure 7-5. Test Instrument & Measurement Setup

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2993                           |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2405200017-08-R1.BCG | Test Dates:<br>5/20/2024 - 7/26/2024                                                | EUT Type:<br>Tablet Device            | Page 127 of 191                   |

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## Test Notes

1. All emissions that lie in the restricted bands (denoted by a \* next to the frequency) specified in §15.205 are below the limit shown in Table 7-15.
2. All spurious emissions lying in restricted bands specified in §15.205 is below the limit shown in Table 7-15. All spurious emissions that do not lie in a restricted band are subject to a peak limit of -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB $\mu$ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB $\mu$ V/m.
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 “-” shown in the following RSE tables are used to denote a noise floor measurement.
8. All supported modulation and power schemes have been tested on the unit and only worst case configuration is reported.

## Sample Calculations

### Determining Spurious Emissions Levels

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

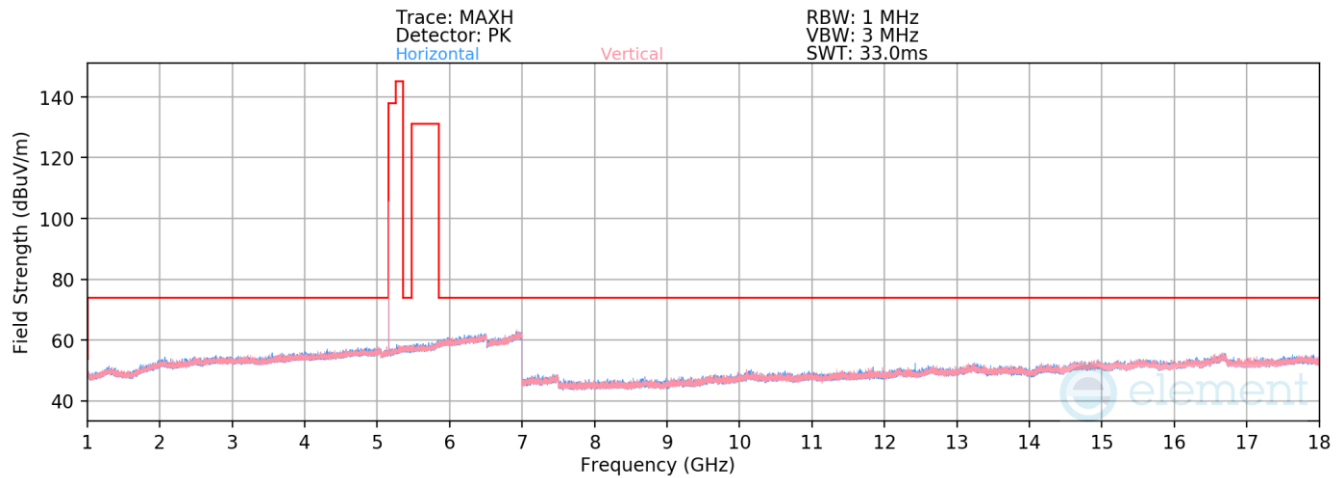
### Radiated Band Edge Measurement Offset

- The amplitude offset shown in the radiated restricted band edge plots in Section 7.6.4 was calculated using the formula:  
Offset (dB) = (Antenna Factor + Cable Loss + Attenuator) – Preamplifier Gain

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2993                           |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2405200017-08-R1.BCG | Test Dates:<br>5/20/2024 - 7/26/2024                                                | EUT Type:<br>Tablet Device            | Page 128 of 191                   |

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## 7.6.1 Antenna WF5T



**Plot 7-181. Radiated Spurious Emissions 1-18GHz Antenna WF5T (NB UNII BDR ePA – 5162MHz)**

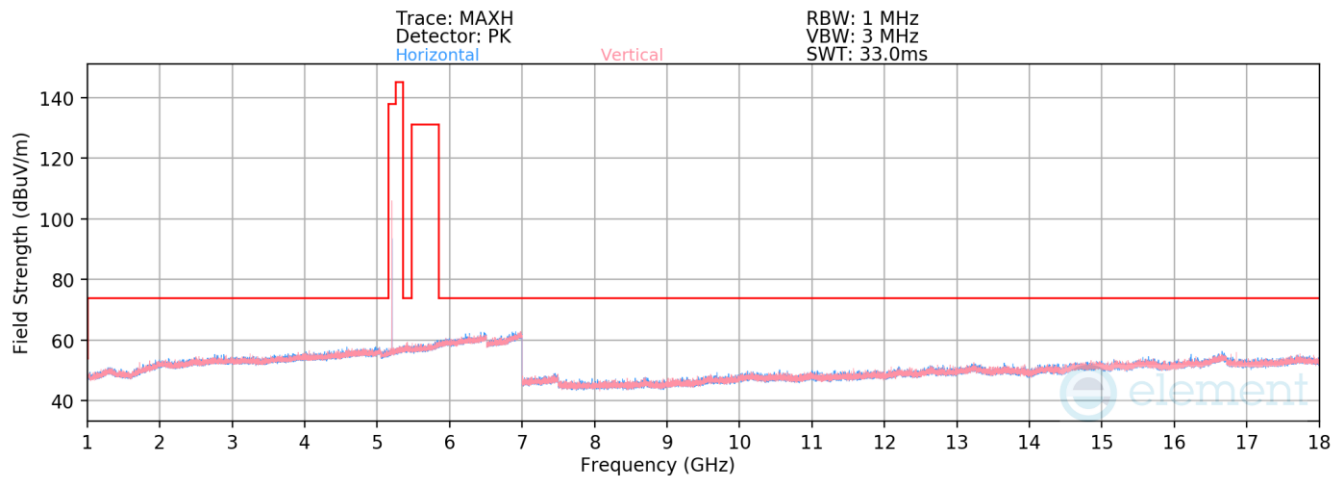
|                           |          |
|---------------------------|----------|
| Mode:                     | BDR      |
| Data Rate:                | 1Mbps    |
| Power Scheme:             | ePA      |
| Distance of Measurements: | 3 Meters |
| Operating Frequency:      | 5162MHz  |

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBuV/m] | Limit [dBuV/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| 10324.00        | Peak     | V               | -                   | -                          | -67.04               | 8.28        | 48.24                   | 68.23          | -19.99      |
| * 15486.00      | Avg      | H               | -                   | -                          | -80.50               | 15.54       | 42.04                   | 53.98          | -11.94      |
| * 15486.00      | Peak     | H               | -                   | -                          | -69.56               | 15.54       | 52.98                   | 73.98          | -21.00      |

**Table 7-16. Radiated Spurious Emissions Measurements Antenna WF5T**

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2993                           |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2405200017-08-R1.BCG | Test Dates:<br>5/20/2024 - 7/26/2024                                                | EUT Type:<br>Tablet Device            | Page 129 of 191                   |

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**Plot 7-182. Radiated Spurious Emissions 1-18GHz Antenna WF5T (NB UNII BDR ePA – 5204MHz)**

Mode: BDR

Data Rate: 1Mbps

Power Scheme: ePA

Distance of Measurements: 3 Meters

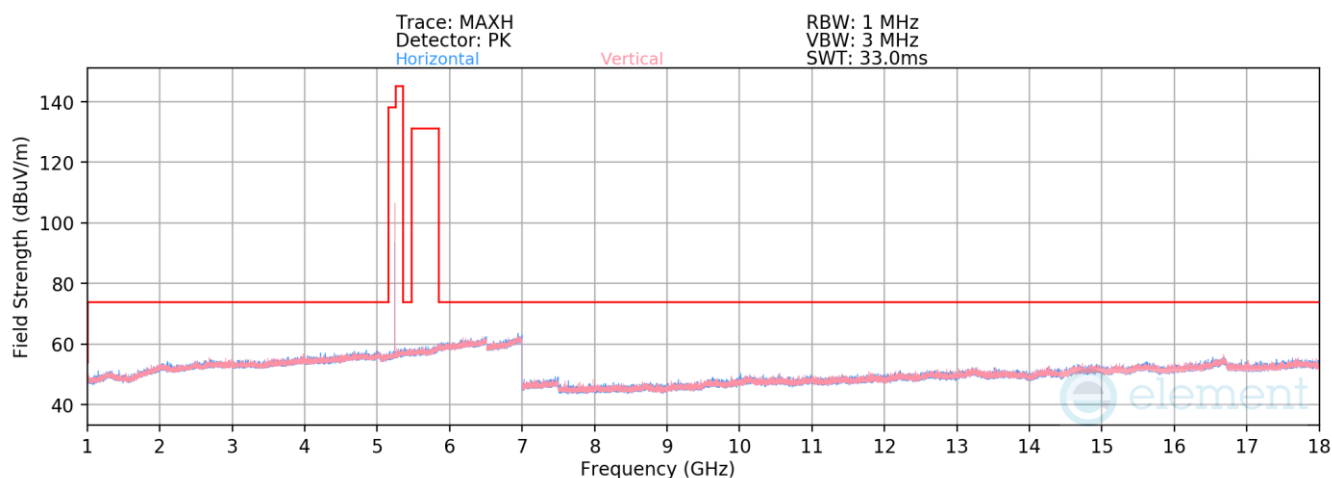
Operating Frequency: 5204MHz

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBuV/m] | Limit [dBuV/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| 10408.00        | Peak     | V               | -                   | -                          | -66.99               | 7.94        | 47.95                   | 68.23          | -20.28      |
| * 15612.00      | Avg      | V               | -                   | -                          | -81.11               | 15.71       | 41.60                   | 53.98          | -12.38      |
| * 15612.00      | Peak     | V               | -                   | -                          | -69.96               | 15.71       | 52.75                   | 73.98          | -21.23      |

**Table 7-17. Radiated Spurious Emissions Measurements Antenna WF5T**

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2993                           |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2405200017-08-R1.BCG | Test Dates:<br>5/20/2024 - 7/26/2024                                                | EUT Type:<br>Tablet Device            | Page 130 of 191                   |

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**Plot 7-183. Radiated Spurious Emissions 1-18GHz Antenna WF5T (NB UNII BDR ePA – 5245MHz)**

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

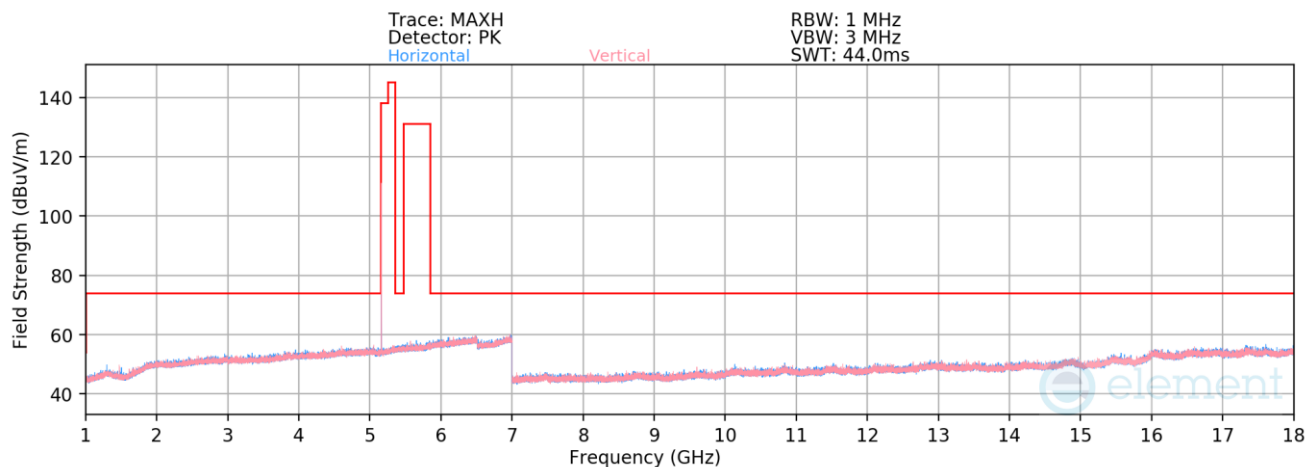
| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBuV/m] | Limit [dBuV/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| 10490.00        | Peak     | V               | -                   | -                          | -66.64               | 8.08        | 48.44                   | 68.23          | -19.79      |
| * 15735.00      | Avg      | V               | -                   | -                          | -81.12               | 15.54       | 41.42                   | 53.98          | -12.56      |
| * 15735.00      | Peak     | V               | -                   | -                          | -70.66               | 15.54       | 51.88                   | 73.98          | -22.10      |

**Table 7-18. Radiated Spurious Emissions Measurements Antenna WF5T**

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2993                           |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2405200017-08-R1.BCG | Test Dates:<br>5/20/2024 - 7/26/2024                                                | EUT Type:<br>Tablet Device            | Page 131 of 191                   |

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**Plot 7-184. Radiated Spurious Emissions 1-18GHz Antenna WF5T (NB UNII HDR4 ePA – 5162MHz)**

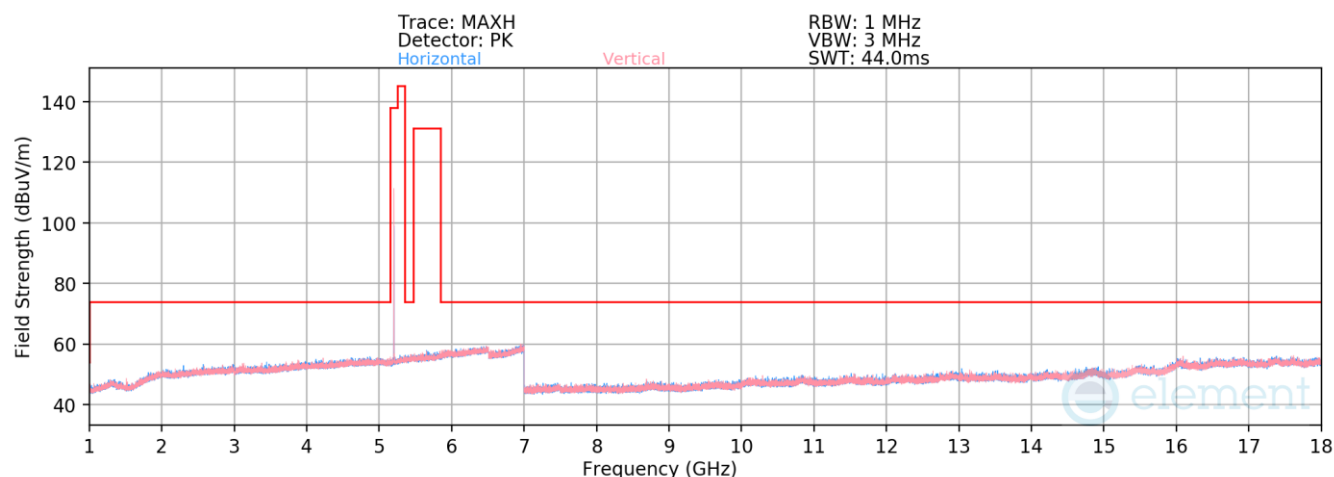
Mode: HDR4  
Data Rate: 1Mbps  
Power Scheme: ePA  
Distance of Measurements: 3 Meters  
Operating Frequency: 5162MHz

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBuV/m] | Limit [dBuV/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| 10324.00        | Peak     | V               | -                   | -                          | -66.76               | 8.29        | 48.53                   | 68.23          | -19.70      |
| * 15486.00      | Avg      | H               | -                   | -                          | -80.40               | 15.60       | 42.20                   | 53.98          | -11.78      |
| * 15486.00      | Peak     | H               | -                   | -                          | -68.81               | 15.60       | 53.79                   | 73.98          | -20.19      |

**Table 7-19. Radiated Spurious Emissions Measurements Antenna WF5T**

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2993                           |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2405200017-08-R1.BCG | Test Dates:<br>5/20/2024 - 7/26/2024                                                | EUT Type:<br>Tablet Device            | Page 132 of 191                   |

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**Plot 7-185. Radiated Spurious Emissions 1-18GHz Antenna WF5T (NB UNII HDR4 ePA – 5204MHz)**

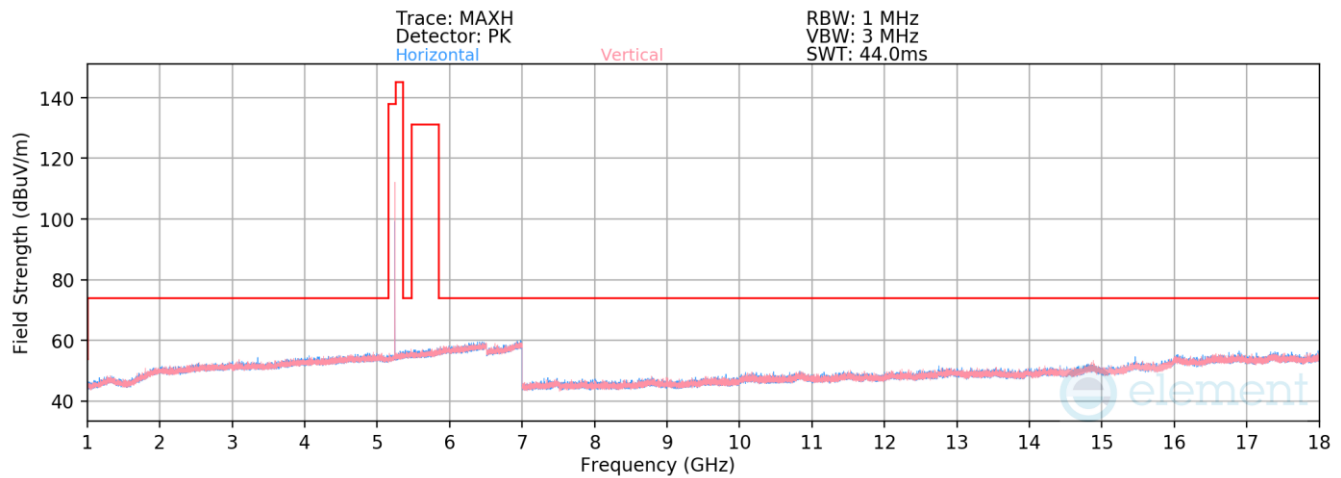
Mode: HDR4  
Data Rate: 1Mbps  
Power Scheme: ePA  
Distance of Measurements: 3 Meters  
Operating Frequency: 5204MHz

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBuV/m] | Limit [dBuV/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| 10408.00        | Peak     | V               | -                   | -                          | -66.20               | 7.97        | 48.77                   | 68.23          | -19.46      |
| * 15612.00      | Avg      | H               | -                   | -                          | -81.01               | 15.71       | 41.70                   | 53.98          | -12.28      |
| * 15612.00      | Peak     | H               | -                   | -                          | -69.81               | 15.71       | 52.90                   | 73.98          | -21.08      |

**Table 7-20. Radiated Spurious Emissions Measurements Antenna WF5T**

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2993                           |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2405200017-08-R1.BCG | Test Dates:<br>5/20/2024 - 7/26/2024                                                | EUT Type:<br>Tablet Device            | Page 133 of 191                   |

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**Plot 7-186. Radiated Spurious Emissions 1-18GHz Antenna WF5T (NB UNII HDR4 ePA – 5245MHz)**

Mode: HDR4

Data Rate: 1Mbps

Power Scheme: ePA

Distance of Measurements: 3 Meters

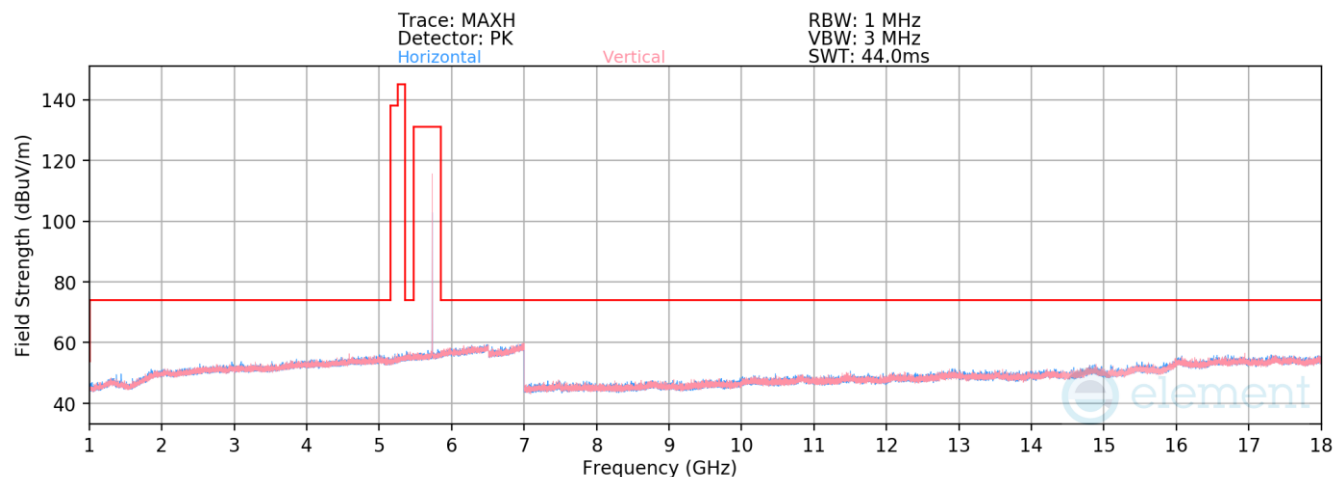
Operating Frequency: 5245MHz

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBuV/m] | Limit [dBuV/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| 10490.00        | Peak     | H               | -                   | -                          | -66.49               | 8.30        | 48.81                   | 68.23          | -19.42      |
| * 15735.00      | Avg      | H               | -                   | -                          | -80.89               | 15.50       | 41.61                   | 53.98          | -12.37      |
| * 15735.00      | Peak     | H               | -                   | -                          | -70.10               | 15.50       | 52.40                   | 73.98          | -21.58      |

**Table 7-21. Radiated Spurious Emissions Measurements Antenna WF5T**

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2993                           |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2405200017-08-R1.BCG | Test Dates:<br>5/20/2024 - 7/26/2024                                                | EUT Type:<br>Tablet Device            | Page 134 of 191                   |

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**Plot 7-187. Radiated Spurious Emissions 1-18GHz Antenna WF5T (NB UNII BDR ePA – 5733MHz)**

Mode: BDR

Data Rate: 1Mbps

Power Scheme: ePA

Distance of Measurements: 3 Meters

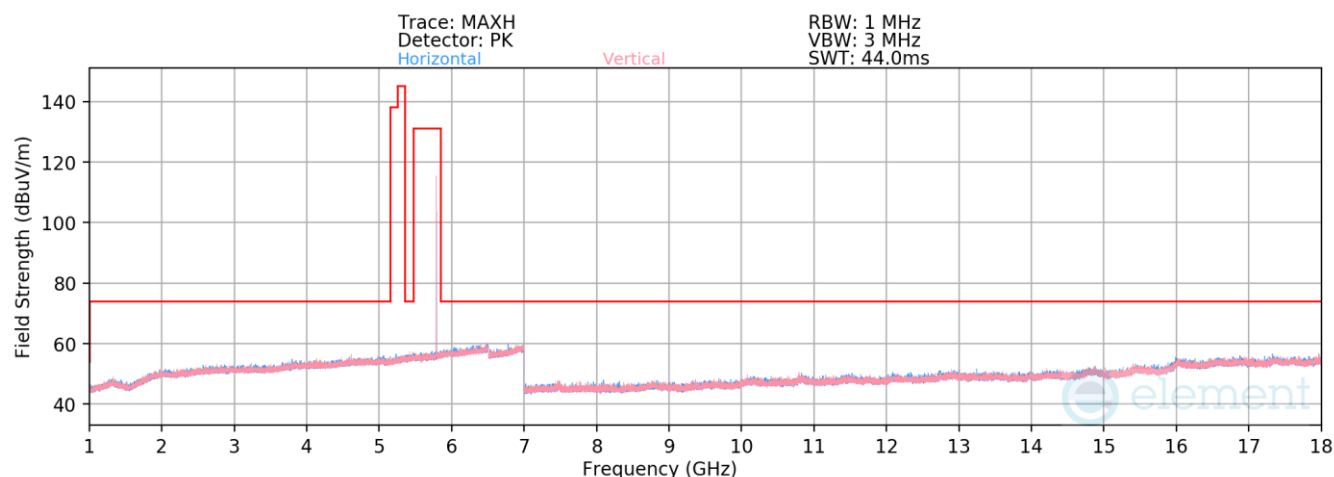
Operating Frequency: 5733MHz

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBuV/m] | Limit [dBuV/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| * 11466.00      | Avg      | V               | -                   | -                          | -77.94               | 9.61        | 38.67                   | 53.98          | -15.31      |
| * 11466.00      | Peak     | V               | -                   | -                          | -67.35               | 9.61        | 49.26                   | 73.98          | -24.72      |
| 17199.00        | Peak     | V               | -                   | -                          | -71.00               | 17.66       | 53.66                   | 68.23          | -14.57      |

**Table 7-22. Radiated Spurious Emissions Measurements Antenna WF5T**

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2993                           |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2405200017-08-R1.BCG | Test Dates:<br>5/20/2024 - 7/26/2024                                                | EUT Type:<br>Tablet Device            | Page 135 of 191                   |

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**Plot 7-188. Radiated Spurious Emissions 1-18GHz Antenna WF5T (NB UNII BDR ePA – 5789MHz)**

Mode: BDR

Data Rate: 1Mbps

Power Scheme: ePA

Distance of Measurements: 3 Meters

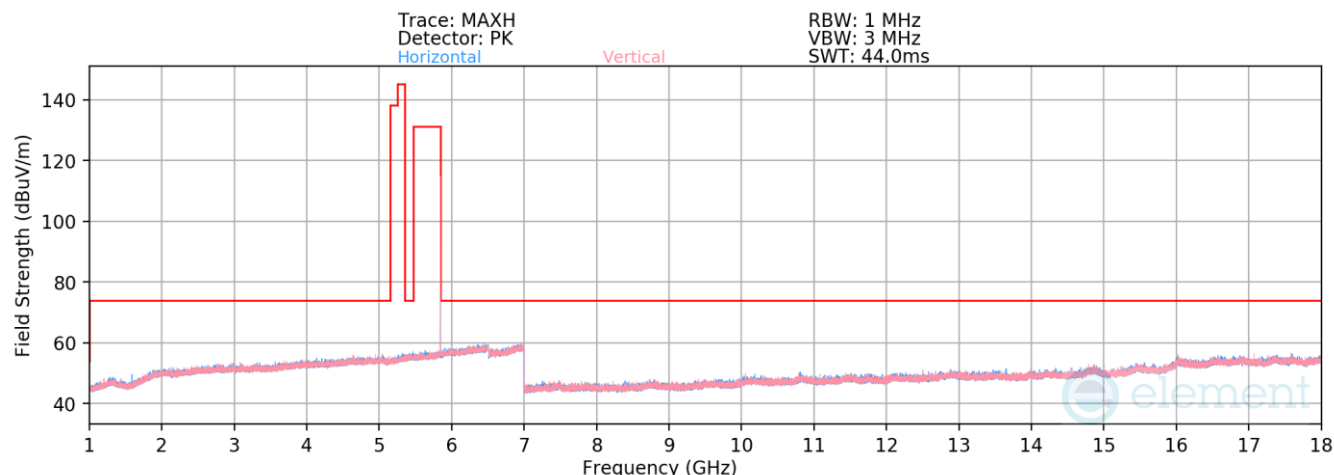
Operating Frequency: 5789MHz

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBuV/m] | Limit [dBuV/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| * 11578.00      | Avg      | H               | -                   | -                          | -78.14               | 9.65        | 38.51                   | 53.98          | -15.47      |
| * 11578.00      | Peak     | H               | -                   | -                          | -67.26               | 9.65        | 49.39                   | 73.98          | -24.59      |
| 17367.00        | Peak     | V               | -                   | -                          | -71.04               | 18.15       | 54.11                   | 68.23          | -14.12      |

**Table 7-23. Radiated Spurious Emissions Measurements Antenna WF5T**

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2993                           |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2405200017-08-R1.BCG | Test Dates:<br>5/20/2024 - 7/26/2024                                                | EUT Type:<br>Tablet Device            | Page 136 of 191                   |

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**Plot 7-189. Radiated Spurious Emissions 1-18GHz Antenna WF5T (NB UNII BDR ePA – 5844MHz)**

Mode: BDR

Data Rate: 1Mbps

Power Scheme: ePA

Distance of Measurements: 3 Meters

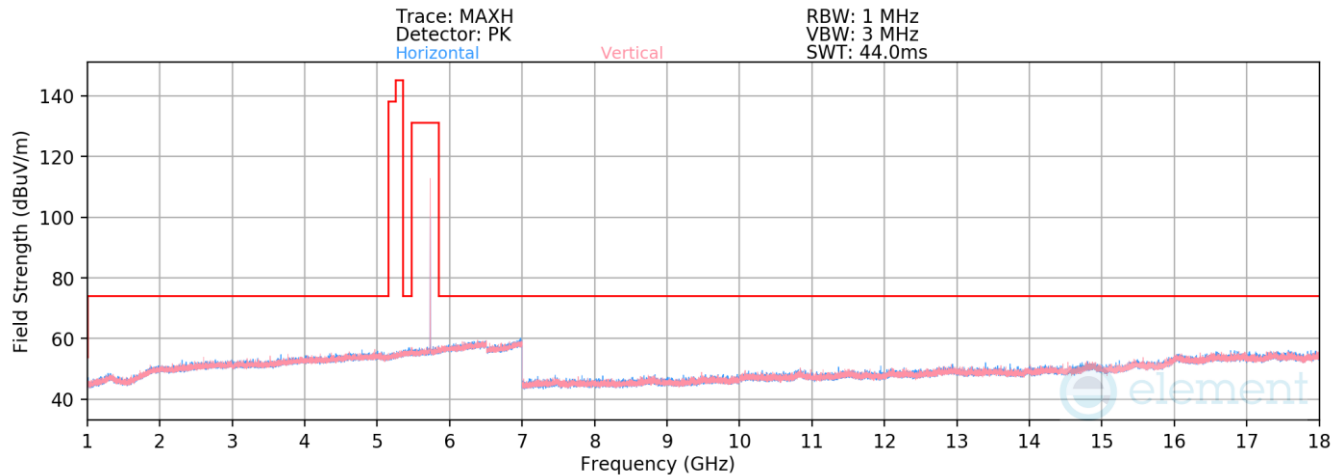
Operating Frequency: 5844MHz

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBuV/m] | Limit [dBuV/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| * 11688.00      | Avg      | V               | -                   | -                          | -78.87               | 10.27       | 38.40                   | 53.98          | -15.58      |
| * 11688.00      | Peak     | V               | -                   | -                          | -68.16               | 10.27       | 49.11                   | 73.98          | -24.87      |
| 17532.00        | Peak     | H               | -                   | -                          | -70.89               | 17.66       | 53.77                   | 68.23          | -14.46      |

**Table 7-24. Radiated Spurious Emissions Measurements Antenna WF5T**

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2993                           |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2405200017-08-R1.BCG | Test Dates:<br>5/20/2024 - 7/26/2024                                                | EUT Type:<br>Tablet Device            | Page 137 of 191                   |

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**Plot 7-190. Radiated Spurious Emissions 1-18GHz Antenna WF5T (NB UNII HDR4 ePA – 5733MHz)**

Mode: HDR4

Data Rate: 1Mbps

Power Scheme: ePA

Distance of Measurements: 3 Meters

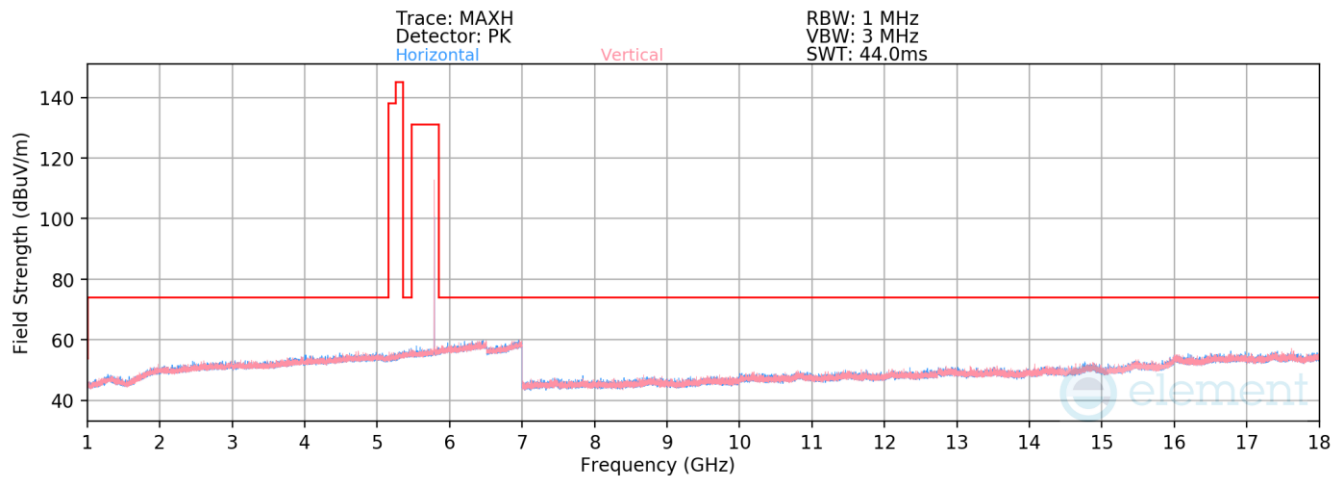
Operating Frequency: 5733MHz

| 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      | Avg      | V               | -                   | -                          | -78.08               | 9.62        | 38.54                   | 53.98          | -15.44      |
| * 11466.00      | Peak     | V               | -                   | -                          | -67.40               | 9.62        | 49.22                   | 73.98          | -24.76      |
| 17199.00        | Peak     | V               | -                   | -                          | -70.57               | 17.57       | 54.00                   | 68.23          | -14.23      |

**Table 7-25. Radiated Spurious Emissions Measurements Antenna WF5T**

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2993                           |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2405200017-08-R1.BCG | Test Dates:<br>5/20/2024 - 7/26/2024                                                | EUT Type:<br>Tablet Device            | Page 138 of 191                   |

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**Plot 7-191. Radiated Spurious Emissions 1-18GHz Antenna WF5T (NB UNII HDR4 ePA – 5789MHz)**

Mode: HDR4  
Data Rate: 1Mbps  
Power Scheme: ePA  
Distance of Measurements: 3 Meters  
Operating Frequency: 5789MHz

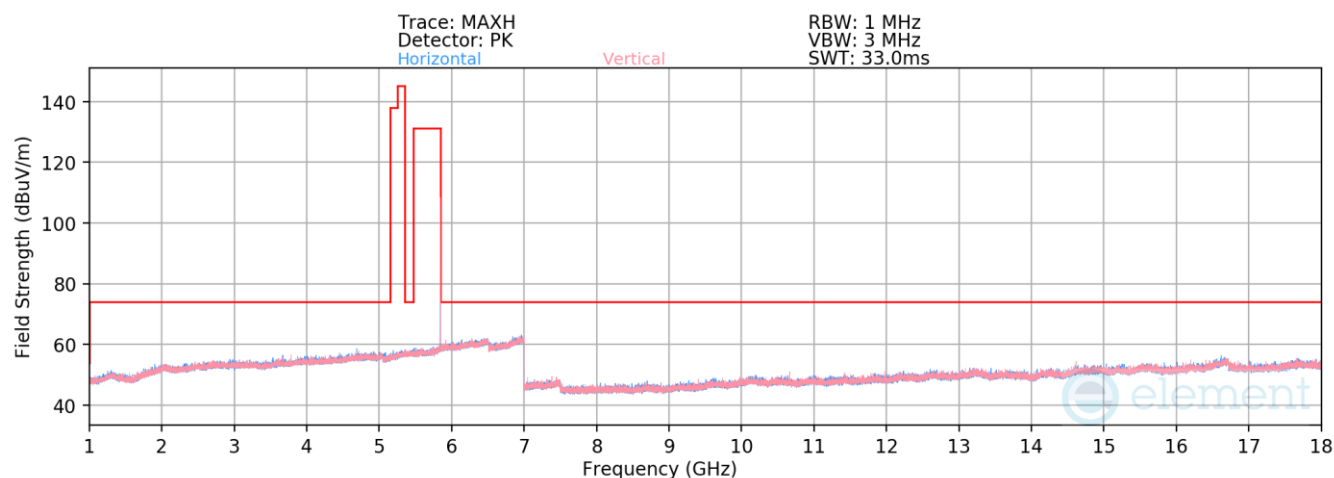
| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBuV/m] | Limit [dBuV/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| * 11578.00      | Avg      | V               | -                   | -                          | -77.81               | 9.72        | 38.91                   | 53.98          | -15.07      |
| * 11578.00      | Peak     | V               | -                   | -                          | -66.73               | 9.72        | 49.99                   | 73.98          | -23.99      |
| 17367.00        | Peak     | H               | -                   | -                          | -70.74               | 18.15       | 54.41                   | 68.23          | -13.82      |

**Table 7-26. Radiated Spurious Emissions Measurements Antenna WF5T**

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2993                           |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2405200017-08-R1.BCG | Test Dates:<br>5/20/2024 - 7/26/2024                                                | EUT Type:<br>Tablet Device            | Page 139 of 191                   |

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**Plot 7-192. Radiated Spurious Emissions 1-18GHz Antenna WF5T (NB UNII HDR4 ePA – 5844MHz)**

Mode: HDR4

Data Rate: 1Mbps

Power Scheme: ePA

Distance of Measurements: 3 Meters

Operating Frequency: 5844MHz

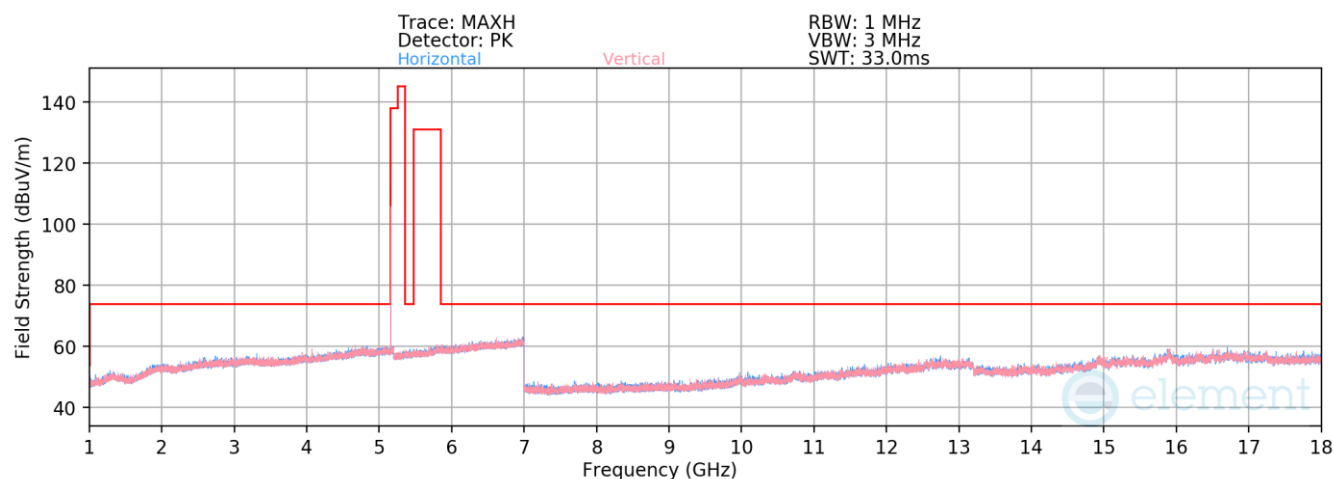
| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBuV/m] | Limit [dBuV/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| * 11688.00      | Avg      | H               | -                   | -                          | -78.95               | 10.20       | 38.25                   | 53.98          | -15.73      |
| * 11688.00      | Peak     | H               | -                   | -                          | -67.88               | 10.20       | 49.32                   | 73.98          | -24.66      |
| 17532.00        | Peak     | H               | -                   | -                          | -70.46               | 17.66       | 54.20                   | 68.23          | -14.03      |

**Table 7-27. Radiated Spurious Emissions Measurements Antenna WF5T**

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2993                           |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2405200017-08-R1.BCG | Test Dates:<br>5/20/2024 - 7/26/2024                                                | EUT Type:<br>Tablet Device            | Page 140 of 191                   |

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## 7.6.2 Antenna WF2



**Plot 7-193. Radiated Spurious Emissions 1-18GHz Antenna WF2 (NB UNII BDR ePA – 5162MHz)**

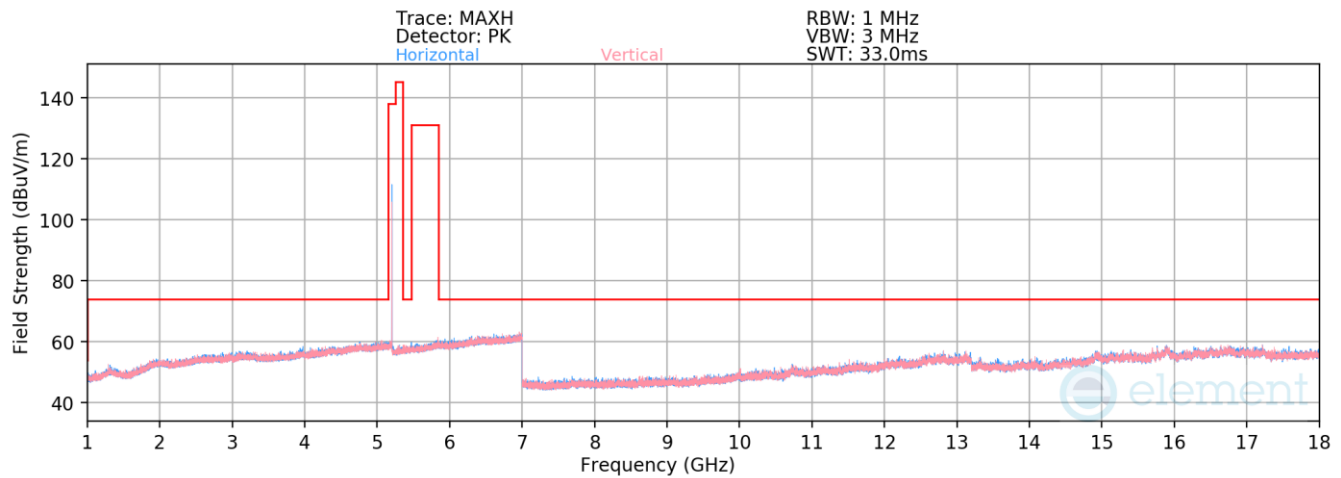
|                           |          |
|---------------------------|----------|
| Mode:                     | BDR      |
| Data Rate:                | 1Mbps    |
| Power Scheme:             | ePA      |
| Distance of Measurements: | 3 Meters |
| Operating Frequency:      | 5162MHz  |

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBuV/m] | Limit [dBuV/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| 10324.00        | Peak     | H               | -                   | -                          | -71.10               | 15.41       | 51.31                   | 68.23          | -16.92      |
| * 15486.00      | Avg      | V               | -                   | -                          | -84.79               | 23.56       | 45.77                   | 53.98          | -8.21       |
| * 15486.00      | Peak     | V               | -                   | -                          | -73.82               | 23.56       | 56.74                   | 73.98          | -17.24      |

**Table 7-28. Radiated Spurious Emissions Measurements Antenna WF2**

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2993                           |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2405200017-08-R1.BCG | Test Dates:<br>5/20/2024 - 7/26/2024                                                | EUT Type:<br>Tablet Device            | Page 141 of 191                   |

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**Plot 7-194. Radiated Spurious Emissions 1-18GHz Antenna WF2 (NB UNII BDR ePA – 5204MHz)**

Mode: BDR

Data Rate: 1Mbps

Power Scheme: ePA

Distance of Measurements: 3 Meters

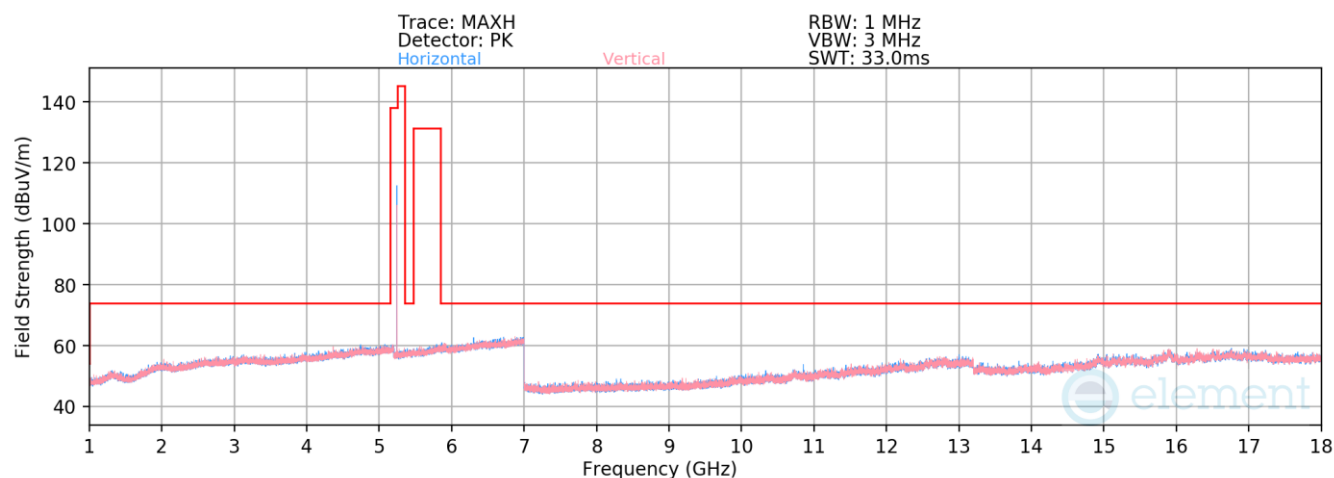
Operating Frequency: 5204MHz

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBuV/m] | Limit [dBuV/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| 10408.00        | Peak     | H               | -                   | -                          | -71.40               | 15.11       | 50.71                   | 68.23          | -17.52      |
| * 15612.00      | Avg      | H               | -                   | -                          | -84.88               | 22.74       | 44.86                   | 53.98          | -9.12       |
| * 15612.00      | Peak     | H               | -                   | -                          | -74.00               | 22.74       | 55.74                   | 73.98          | -18.24      |

**Table 7-29. Radiated Spurious Emissions Measurements Antenna WF2**

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2993                           |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2405200017-08-R1.BCG | Test Dates:<br>5/20/2024 - 7/26/2024                                                | EUT Type:<br>Tablet Device            | Page 142 of 191                   |

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**Plot 7-195. Radiated Spurious Emissions 1-18GHz Antenna WF2 (NB UNII BDR ePA – 5245MHz)**

Mode: BDR

Data Rate: 1Mbps

Power Scheme: ePA

Distance of Measurements: 3 Meters

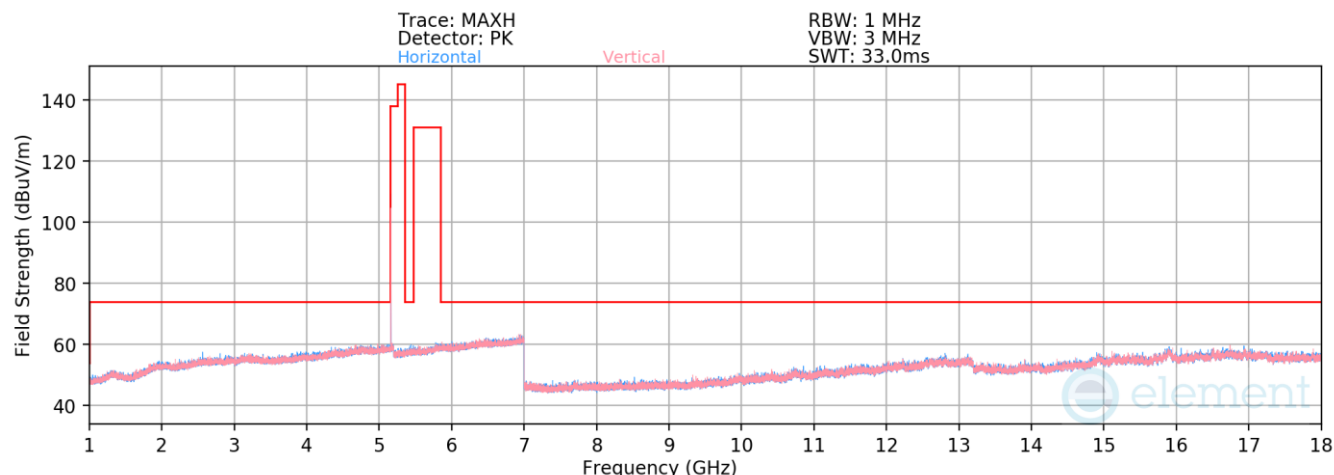
Operating Frequency: 5245MHz

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBuV/m] | Limit [dBuV/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| 10490.00        | Peak     | V               | -                   | -                          | -71.27               | 15.20       | 50.93                   | 68.23          | -17.30      |
| * 15735.00      | Avg      | V               | -                   | -                          | -85.03               | 23.90       | 45.87                   | 53.98          | -8.11       |
| * 15735.00      | Peak     | V               | -                   | -                          | -72.47               | 23.90       | 58.43                   | 73.98          | -15.55      |

**Table 7-30. Radiated Spurious Emissions Measurements Antenna WF2**

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2993                           |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2405200017-08-R1.BCG | Test Dates:<br>5/20/2024 - 7/26/2024                                                | EUT Type:<br>Tablet Device            | Page 143 of 191                   |

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**Plot 7-196. Radiated Spurious Emissions 1-18GHz Antenna WF2 (NB UNII HDR4 ePA – 5162MHz)**

Mode: HDR4

Data Rate: 4Mbps

Power Scheme: ePA

Distance of Measurements: 3 Meters

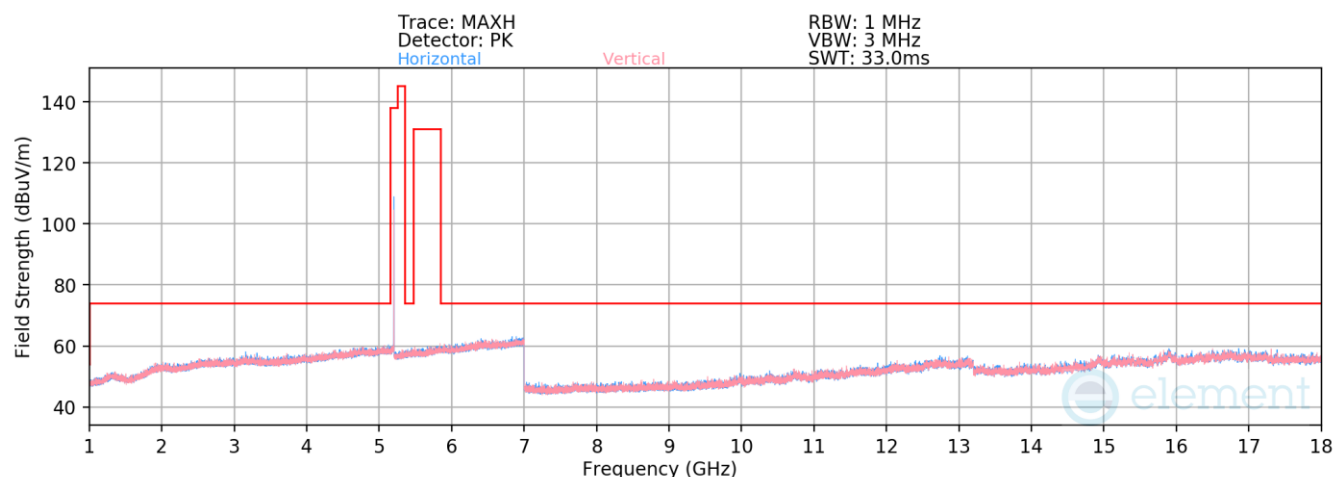
Operating Frequency: 5162MHz

| 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     | H               | -                   | -                          | -70.59               | 14.29       | 50.70                   | 68.23          | -17.53      |
| * 15486.00      | Avg      | V               | -                   | -                          | -84.79               | 23.56       | 45.77                   | 53.98          | -8.21       |
| * 15486.00      | Peak     | V               | -                   | -                          | -72.96               | 23.56       | 57.60                   | 73.98          | -16.38      |

**Table 7-31. Radiated Spurious Emissions Measurements Antenna WF2**

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2993                           |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2405200017-08-R1.BCG | Test Dates:<br>5/20/2024 - 7/26/2024                                                | EUT Type:<br>Tablet Device            | Page 144 of 191                   |

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**Plot 7-197. Radiated Spurious Emissions 1-18GHz Antenna WF2 (NB UNII HDR4 ePA - 5204MHz)**

Mode: HDR4

Data Rate: 4Mbps

Power Scheme: ePA

Distance of Measurements: 3 Meters

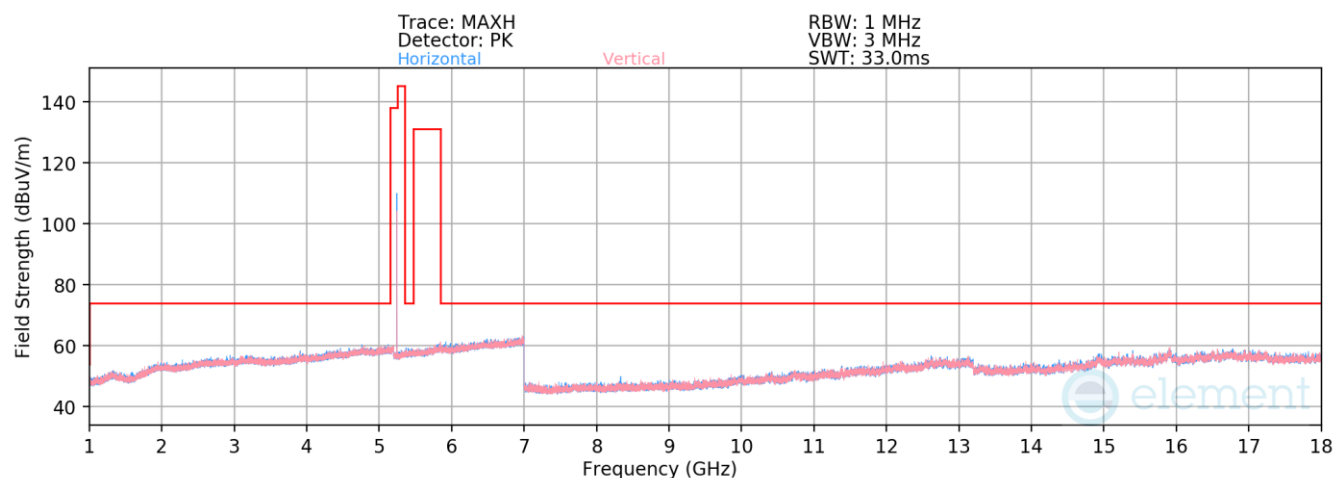
Operating Frequency: 5204MHz

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBuV/m] | Limit [dBuV/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| 10408.00        | Peak     | H               | -                   | -                          | -71.56               | 15.91       | 51.35                   | 68.23          | -16.88      |
| * 15612.00      | Avg      | V               | -                   | -                          | -85.09               | 22.99       | 44.90                   | 53.98          | -9.08       |
| * 15612.00      | Peak     | V               | -                   | -                          | -74.02               | 22.99       | 55.97                   | 73.98          | -18.01      |

**Table 7-32. Radiated Spurious Emissions Measurements Antenna WF2**

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2993                           |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2405200017-08-R1.BCG | Test Dates:<br>5/20/2024 - 7/26/2024                                                | EUT Type:<br>Tablet Device            | Page 145 of 191                   |

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**Plot 7-198. Radiated Spurious Emissions 1-18GHz Antenna WF2 (NB UNII HDR4 ePA – 5245MHz)**

Mode: HDR4

Data Rate: 4Mbps

Power Scheme: ePA

Distance of Measurements: 3 Meters

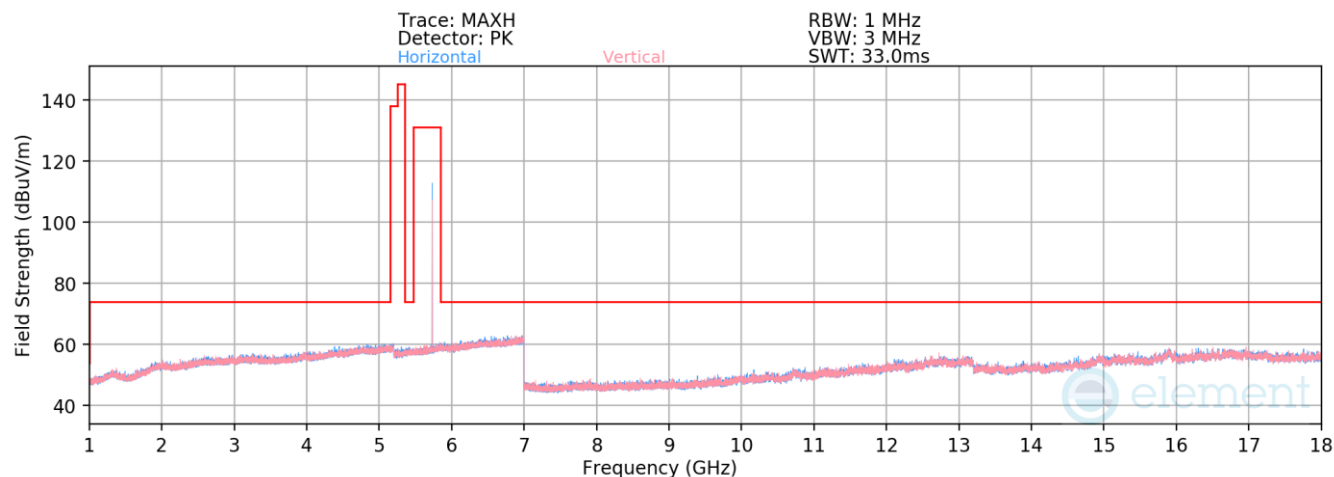
Operating Frequency: 5245MHz

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBuV/m] | Limit [dBuV/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| 10490.00        | Peak     | V               | -                   | -                          | -70.94               | 14.94       | 51.00                   | 68.23          | -17.23      |
| * 15735.00      | Avg      | H               | -                   | -                          | -84.95               | 23.90       | 45.95                   | 53.98          | -8.03       |
| * 15735.00      | Peak     | H               | -                   | -                          | -73.50               | 23.90       | 57.40                   | 73.98          | -16.58      |

**Table 7-33. Radiated Spurious Emissions Measurements Antenna WF2**

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2993                           |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2405200017-08-R1.BCG | Test Dates:<br>5/20/2024 - 7/26/2024                                                | EUT Type:<br>Tablet Device            | Page 146 of 191                   |

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**Plot 7-199. Radiated Spurious Emissions 1-18GHz Antenna WF2 (NB UNII BDR ePA – 5733MHz)**

Mode: BDR

Data Rate: 1Mbps

Power Scheme: ePA

Distance of Measurements: 3 Meters

Operating Frequency: 5733MHz

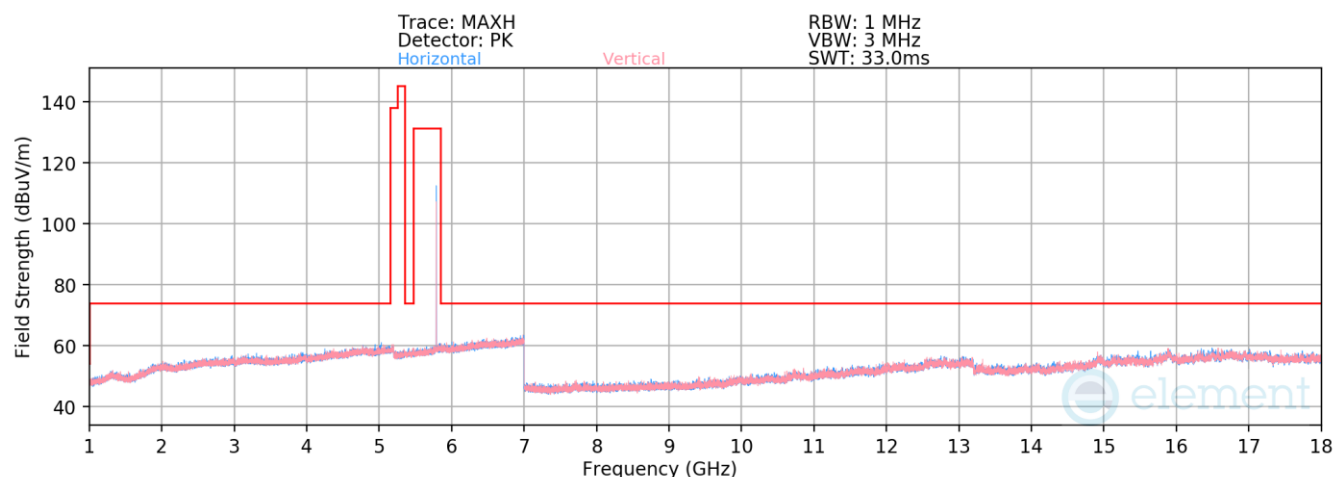
| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBuV/m] | Limit [dBuV/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| * 11466.00      | Avg      | H               | -                   | -                          | -82.79               | 16.67       | 40.88                   | 53.98          | -13.10      |
| * 11466.00      | Peak     | H               | -                   | -                          | -71.23               | 16.67       | 52.44                   | 73.98          | -21.54      |
| 17199.00        | Peak     | V               | -                   | -                          | -73.54               | 24.61       | 58.07                   | 68.23          | -10.16      |

**Table 7-34. Radiated Spurious Emissions Measurements Antenna WF2**

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2993                           |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2405200017-08-R1.BCG | Test Dates:<br>5/20/2024 - 7/26/2024                                                | EUT Type:<br>Tablet Device            | Page 147 of 191                   |

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**Plot 7-200. Radiated Spurious Emissions 1-18GHz Antenna WF2 (NB UNII BDR ePA – 5789MHz)**

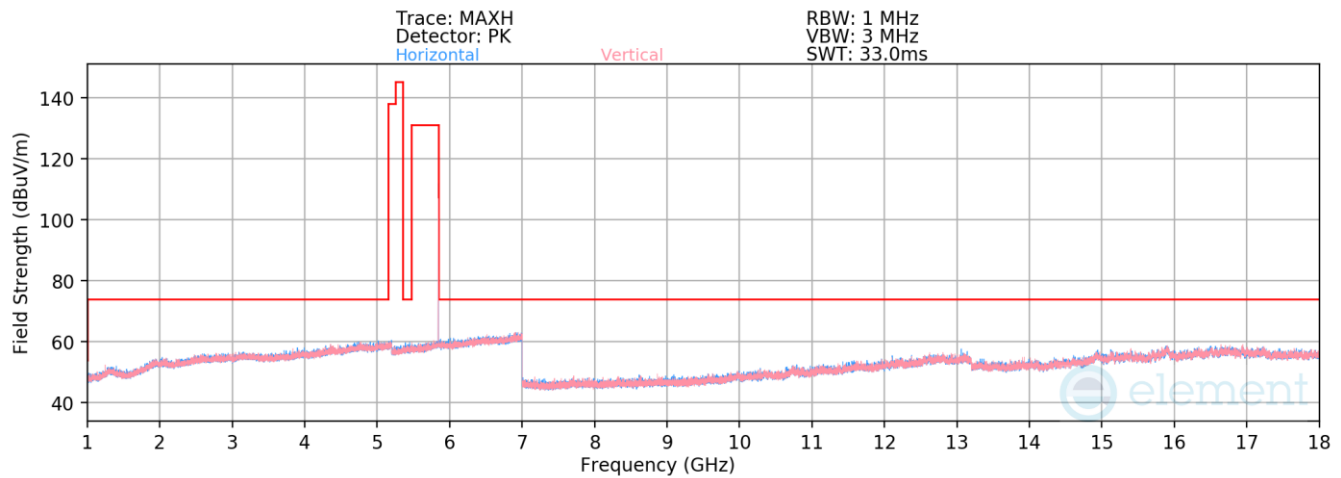
Mode: BDR  
Data Rate: 1Mbps  
Power Scheme: ePA  
Distance of Measurements: 3 Meters  
Operating Frequency: 5789MHz

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBuV/m] | Limit [dBuV/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| * 11578.00      | Avg      | V               | -                   | -                          | -83.01               | 17.13       | 41.12                   | 53.98          | -12.86      |
| * 11578.00      | Peak     | V               | -                   | -                          | -71.91               | 17.13       | 52.22                   | 73.98          | -21.76      |
| 17367.00        | Peak     | V               | -                   | -                          | -73.66               | 24.61       | 57.95                   | 68.23          | -10.28      |

**Table 7-35. Radiated Spurious Emissions Measurements Antenna WF2**

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2993                           |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2405200017-08-R1.BCG | Test Dates:<br>5/20/2024 - 7/26/2024                                                | EUT Type:<br>Tablet Device            | Page 148 of 191                   |

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**Plot 7-201. Radiated Spurious Emissions 1-18GHz Antenna WF2 (NB UNII BDR ePA – 5844MHz)**

Mode: BDR

Data Rate: 1Mbps

Power Scheme: ePA

Distance of Measurements: 3 Meters

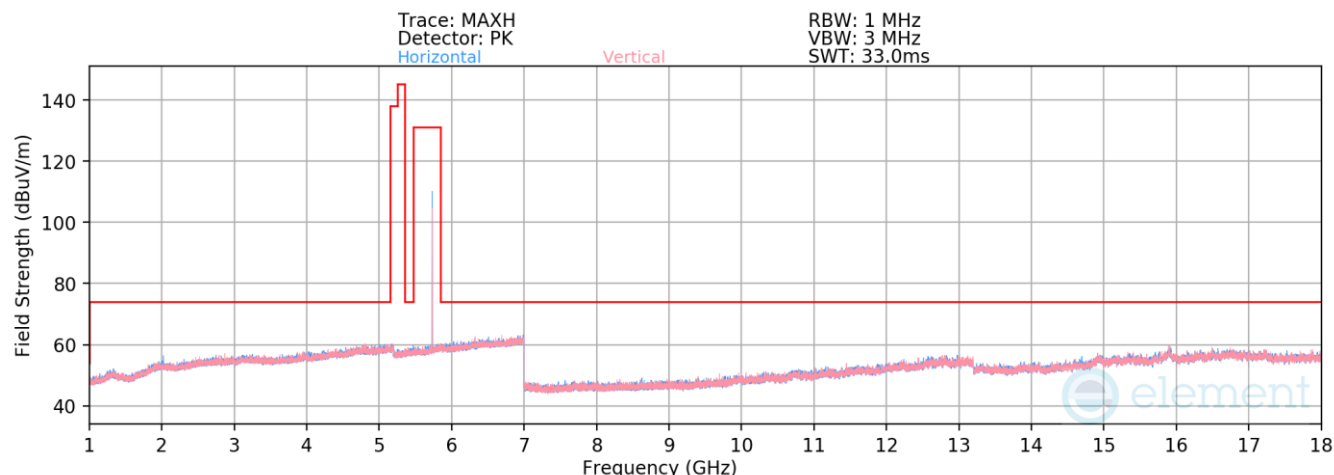
Operating Frequency: 5844MHz

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBuV/m] | Limit [dBuV/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| * 11688.00      | Avg      | V               | -                   | -                          | -82.91               | 17.17       | 41.26                   | 53.98          | -12.72      |
| * 11688.00      | Peak     | V               | -                   | -                          | -72.04               | 17.17       | 52.13                   | 73.98          | -21.85      |
| 17532.00        | Peak     | V               | -                   | -                          | -73.51               | 24.53       | 58.02                   | 68.23          | -10.21      |

**Table 7-36. Radiated Spurious Emissions Measurements Antenna WF2**

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2993                           |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2405200017-08-R1.BCG | Test Dates:<br>5/20/2024 - 7/26/2024                                                | EUT Type:<br>Tablet Device            | Page 149 of 191                   |

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**Plot 7-202. Radiated Spurious Emissions 1-18GHz Antenna WF2 (NB UNII HDR4 ePA – 5733MHz)**

Mode: HDR4

Data Rate: 4Mbps

Power Scheme: ePA

Distance of Measurements: 3 Meters

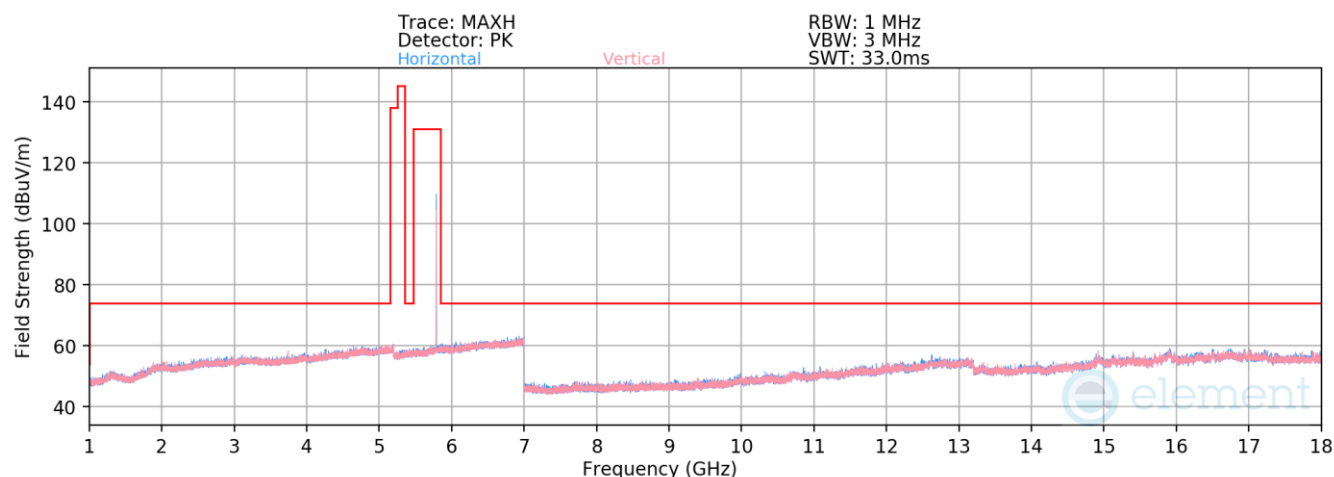
Operating Frequency: 5733MHz

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBuV/m] | Limit [dBuV/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| * 11466.00      | Avg      | V               | -                   | -                          | -83.04               | 17.25       | 41.21                   | 53.98          | -12.77      |
| * 11466.00      | Peak     | V               | -                   | -                          | -71.79               | 17.25       | 52.46                   | 73.98          | -21.52      |
| 17199.00        | Peak     | V               | -                   | -                          | -73.74               | 24.83       | 58.09                   | 68.23          | -10.14      |

**Table 7-37. Radiated Spurious Emissions Measurements Antenna WF2**

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2993                           |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2405200017-08-R1.BCG | Test Dates:<br>5/20/2024 - 7/26/2024                                                | EUT Type:<br>Tablet Device            | Page 150 of 191                   |

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**Plot 7-203. Radiated Spurious Emissions 1-18GHz Antenna WF2 (NB UNII HDR4 ePA – 5789MHz)**

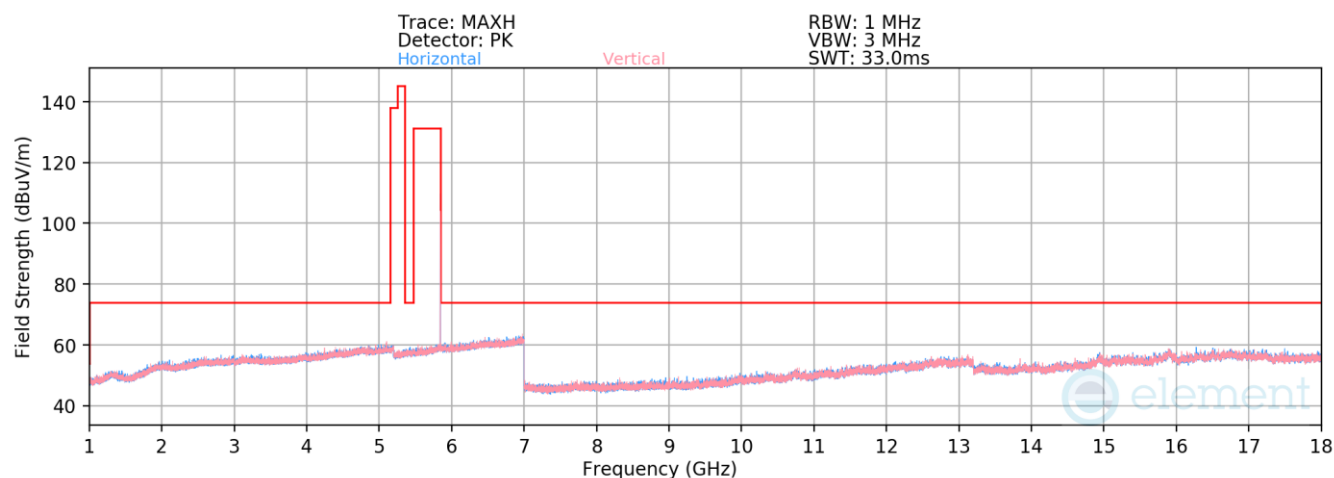
Mode: HDR4  
Data Rate: 4Mbps  
Power Scheme: ePA  
Distance of Measurements: 3 Meters  
Operating Frequency: 5789MHz

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBuV/m] | Limit [dBuV/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| * 11578.00      | Avg      | H               | -                   | -                          | -83.05               | 16.93       | 40.88                   | 53.98          | -13.10      |
| * 11578.00      | Peak     | H               | -                   | -                          | -72.07               | 16.93       | 51.86                   | 73.98          | -22.12      |
| 17367.00        | Peak     | H               | -                   | -                          | -73.96               | 24.61       | 57.65                   | 68.23          | -10.58      |

**Table 7-38. Radiated Spurious Emissions Measurements Antenna WF2**

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2993                           |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2405200017-08-R1.BCG | Test Dates:<br>5/20/2024 - 7/26/2024                                                | EUT Type:<br>Tablet Device            | Page 151 of 191                   |

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**Plot 7-204. Radiated Spurious Emissions 1-18GHz Antenna WF2 (NB UNII HDR4 ePA – 5844MHz)**

Mode: HDR4

Data Rate: 4Mbps

Power Scheme: ePA

Distance of Measurements: 3 Meters

Operating Frequency: 5844MHz

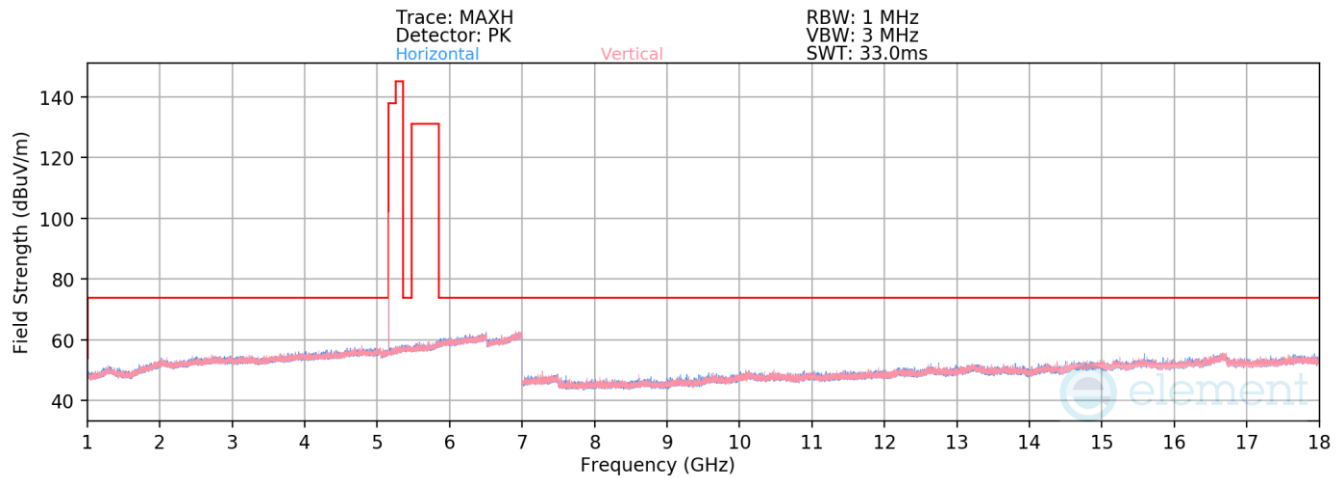
| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBuV/m] | Limit [dBuV/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| * 11688.00      | Avg      | V               | -                   | -                          | -82.93               | 17.17       | 41.24                   | 53.98          | -12.74      |
| * 11688.00      | Peak     | V               | -                   | -                          | -71.63               | 17.17       | 52.54                   | 73.98          | -21.44      |
| 17532.00        | Peak     | H               | -                   | -                          | -73.57               | 24.53       | 57.96                   | 68.23          | -10.27      |

**Table 7-39. Radiated Spurious Emissions Measurements Antenna WF2**

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2993                           |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2405200017-08-R1.BCG | Test Dates:<br>5/20/2024 - 7/26/2024                                                | EUT Type:<br>Tablet Device            | Page 152 of 191                   |

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### 7.6.3 TxBF



**Plot 7-205. Radiated Spurious Emissions 1-18GHz TxBF (NB UNII BDR ePA – 5162MHz)**

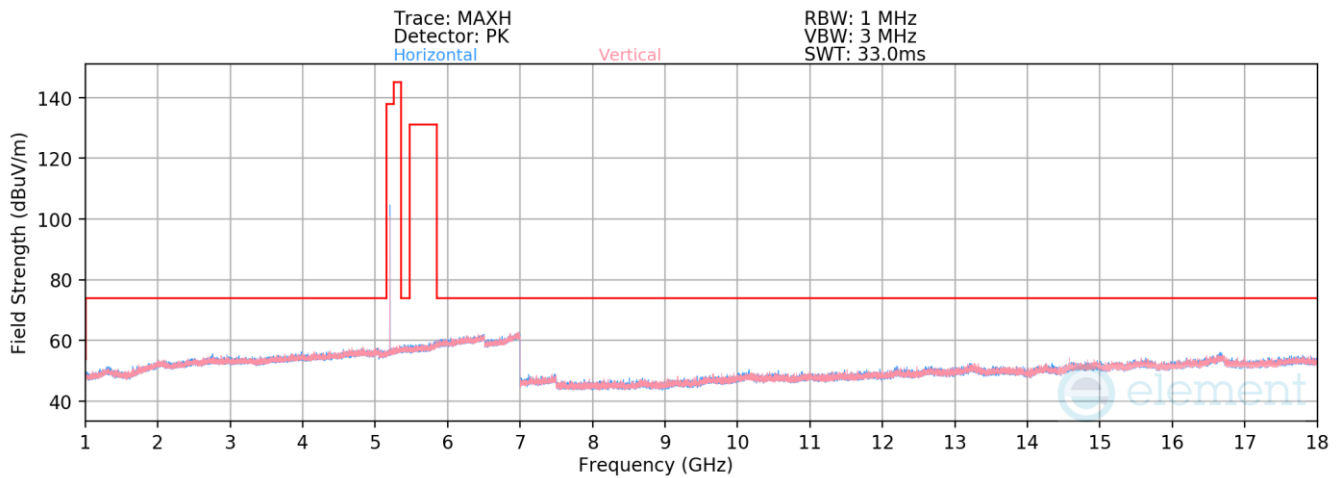
|                           |          |
|---------------------------|----------|
| Mode:                     | BDR      |
| Data Rate:                | 1Mbps    |
| Power Scheme:             | ePA      |
| Distance of Measurements: | 3 Meters |
| Operating Frequency:      | 5162MHz  |

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBuV/m] | Limit [dBuV/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| 10324.00        | Peak     | V               | -                   | -                          | -67.11               | 7.93        | 47.82                   | 68.23          | -20.41      |
| * 15486.00      | Avg      | V               | -                   | -                          | -80.45               | 15.60       | 42.15                   | 53.98          | -11.83      |
| * 15486.00      | Peak     | V               | -                   | -                          | -69.69               | 15.60       | 52.91                   | 73.98          | -21.07      |

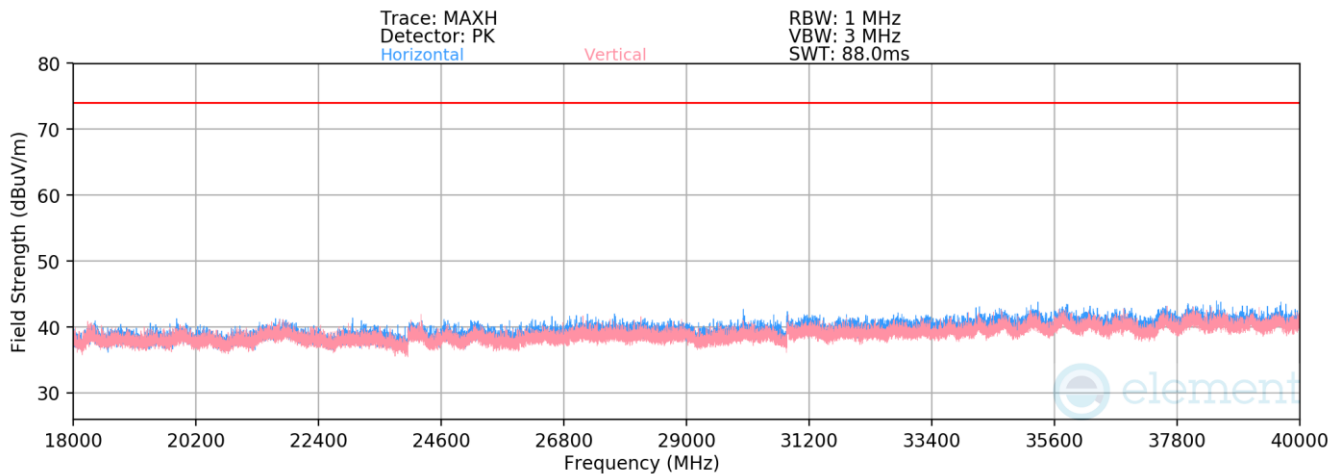
**Table 7-40. Radiated Spurious Emissions Measurements TxBF**

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2993                           |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2405200017-08-R1.BCG | Test Dates:<br>5/20/2024 - 7/26/2024                                                | EUT Type:<br>Tablet Device            | Page 153 of 191                   |

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**Plot 7-206. Radiated Spurious Emissions 1-18GHz TxBF (NB UNII BDR ePA – 5204MHz)**



**Plot 7-207. Radiated Spurious Emissions 18-40GHz TxBF (NB UNII BDR 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 [dBuV/m] | Limit [dBuV/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| 10408.00        | Peak     | H               | -                   | -                          | -66.33               | 7.79        | 48.46                   | 68.23          | -19.77      |
| * 15612.00      | Avg      | H               | -                   | -                          | -81.00               | 15.89       | 41.89                   | 53.98          | -12.09      |
| * 15612.00      | Peak     | H               | -                   | -                          | -69.88               | 15.89       | 53.01                   | 73.98          | -20.97      |

**Table 7-41. Radiated Spurious Emissions Measurements TxBF**

|                                            |                                                                                     |                                       |                                   |
|--------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2993                           |  | MEASUREMENT REPORT<br>(CERTIFICATION) | Approved by:<br>Technical Manager |
| Test Report S/N:<br>1C2405200017-08-R1.BCG | Test Dates:<br>5/20/2024 - 7/26/2024                                                | EUT Type:<br>Tablet Device            | Page 154 of 191                   |

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