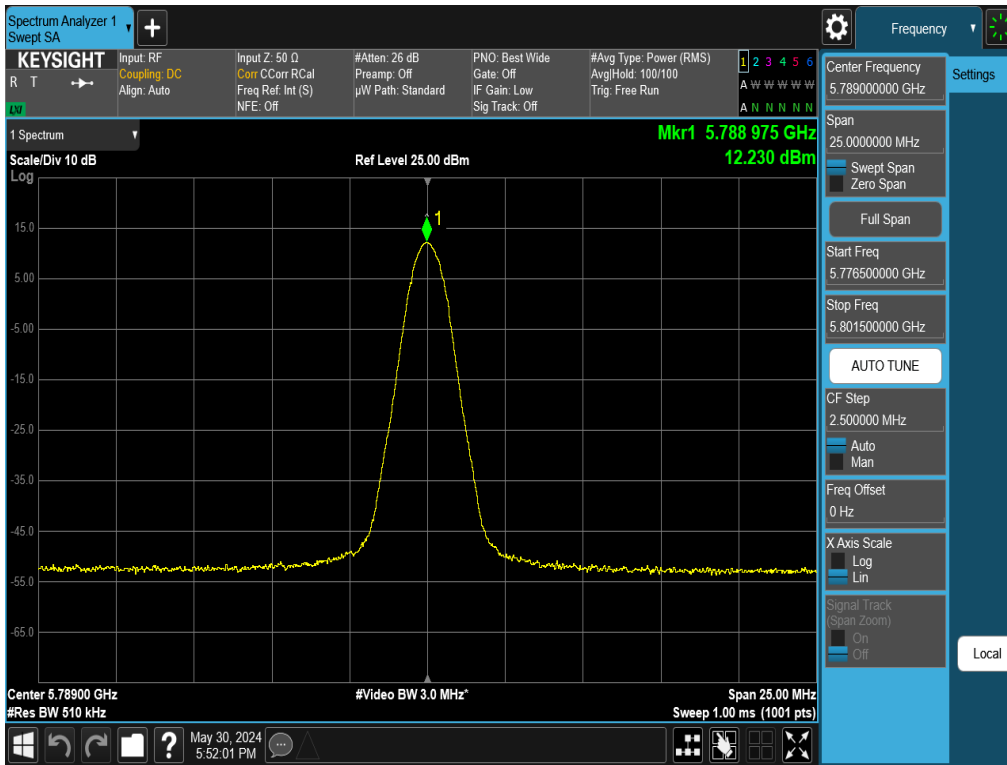
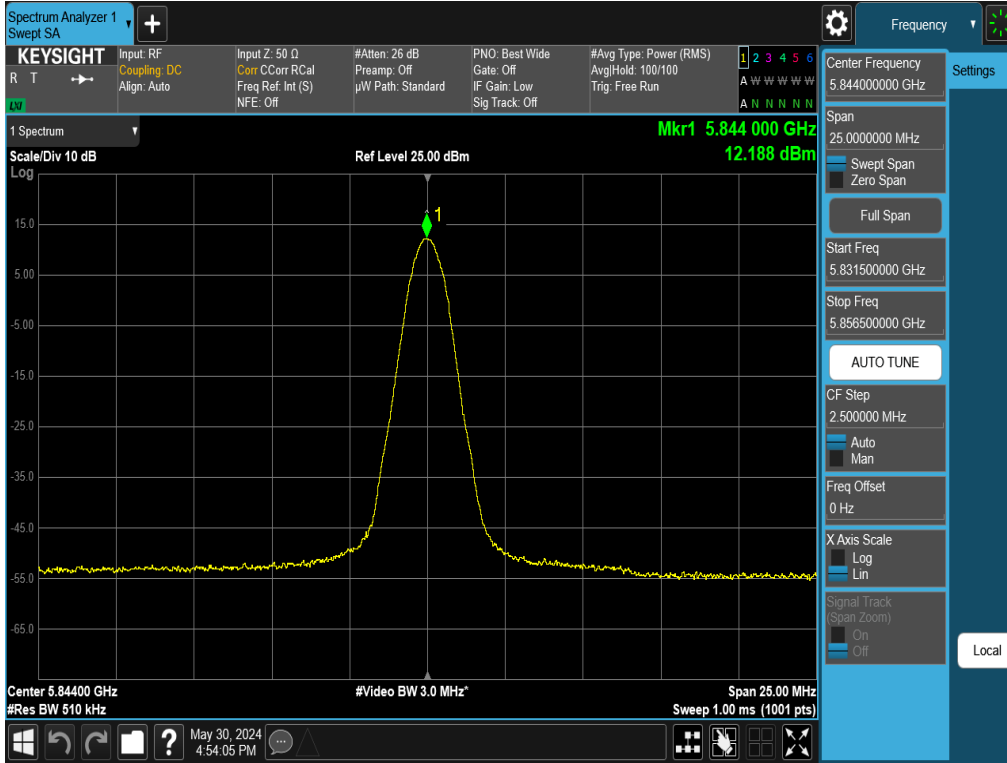


Plot 7-147. PSD TxBF Antenna WF5T (NB UNII BDR, ePA 5789MHz)

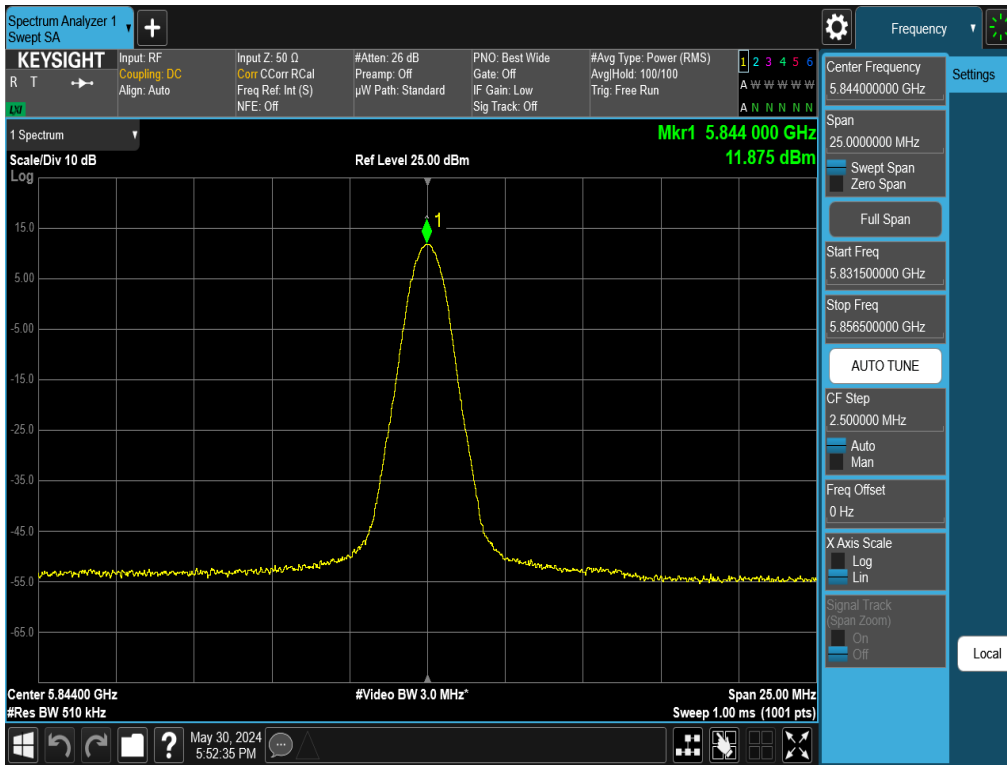


Plot 7-148. PSD TxBF Antenna WF2 (NB UNII BDR, ePA 5789MHz)

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

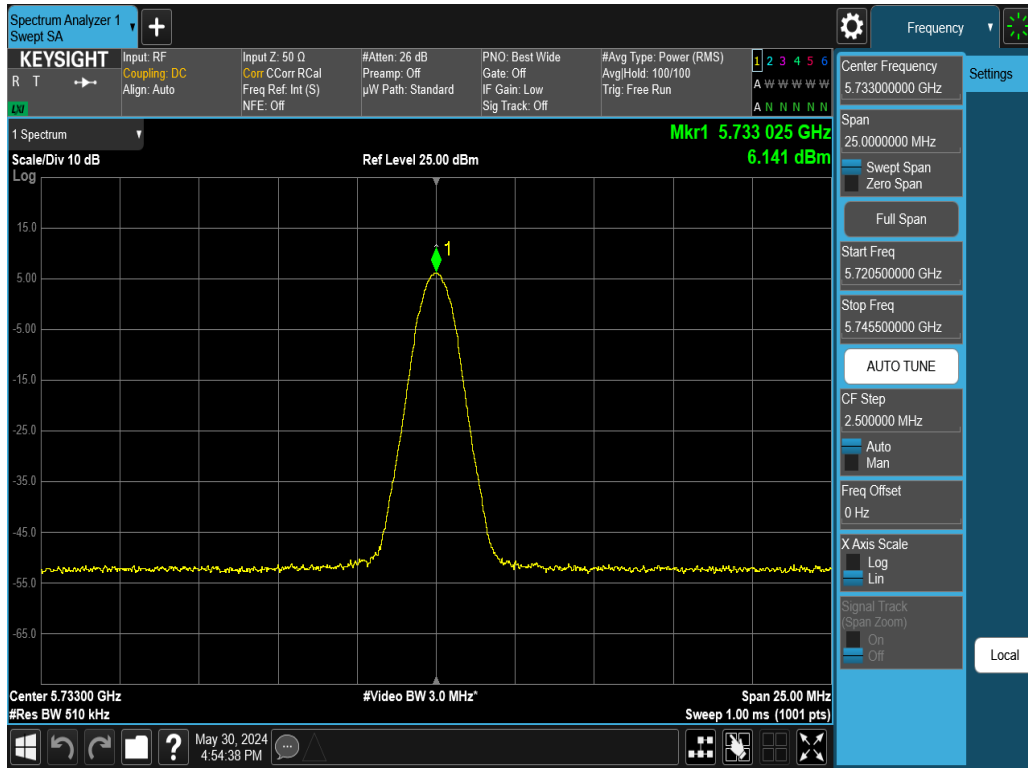


Plot 7-149. PSD TxBF Antenna WF5T (NB UNII BDR, ePA 5844MHz)

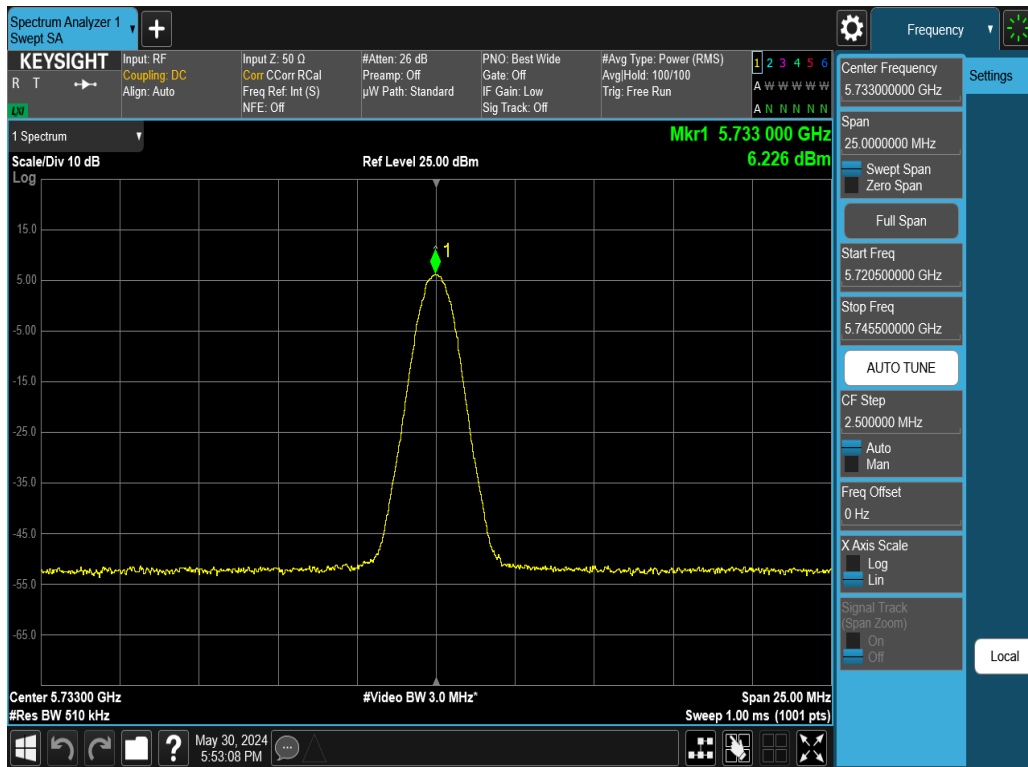


Plot 7-150. PSD TxBF Antenna WF2 (NB UNII BDR, ePA 5844MHz)

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

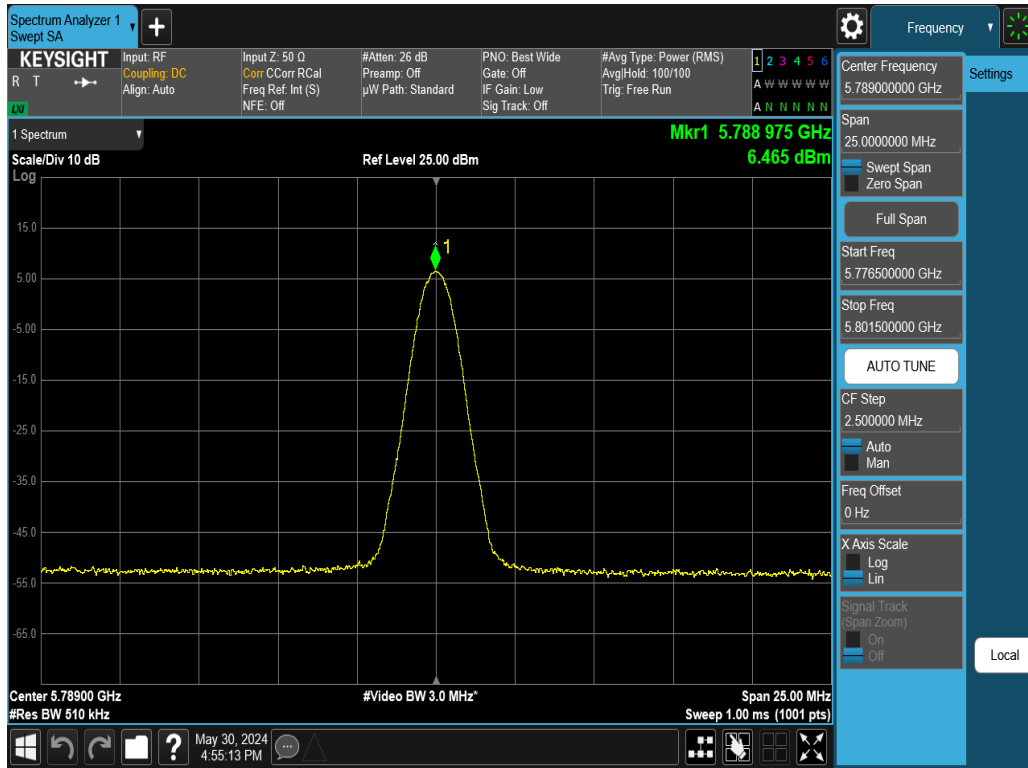


Plot 7-151. PSD TxBF Antenna WF5T (NB UNII BDR, iPA 5733MHz)

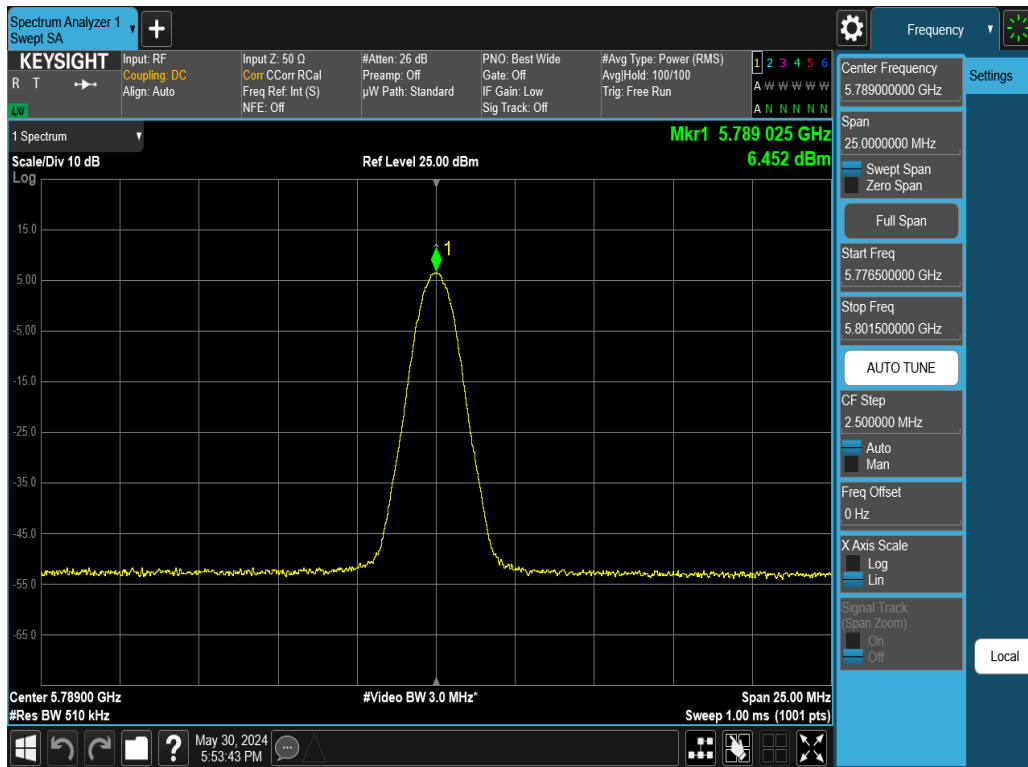


Plot 7-152. PSD TxBF Antenna WF2 (NB UNII BDR, iPA 5733MHz)

FCC ID: BCGA2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-08-R1.BCG	Test Dates: 5/20/2024 - 7/26/2024	EUT Type: Tablet Device	Page 110 of 191

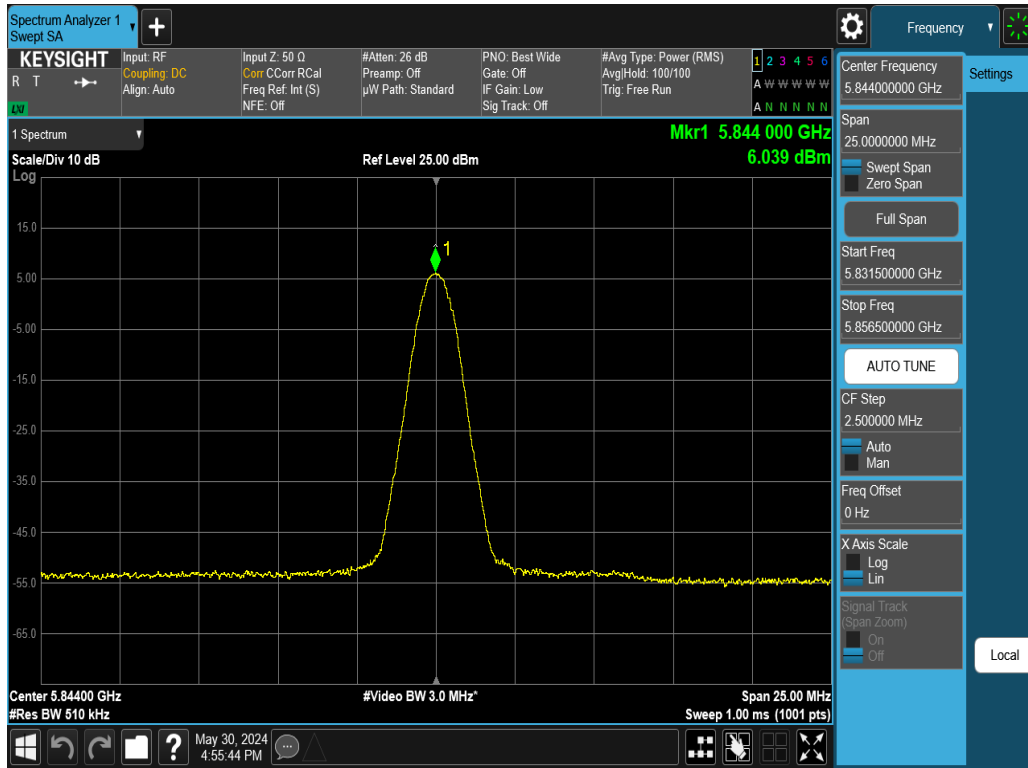


Plot 7-153. PSD TxBF Antenna WF5T (NB UNII BDR, iPA 5789MHz)

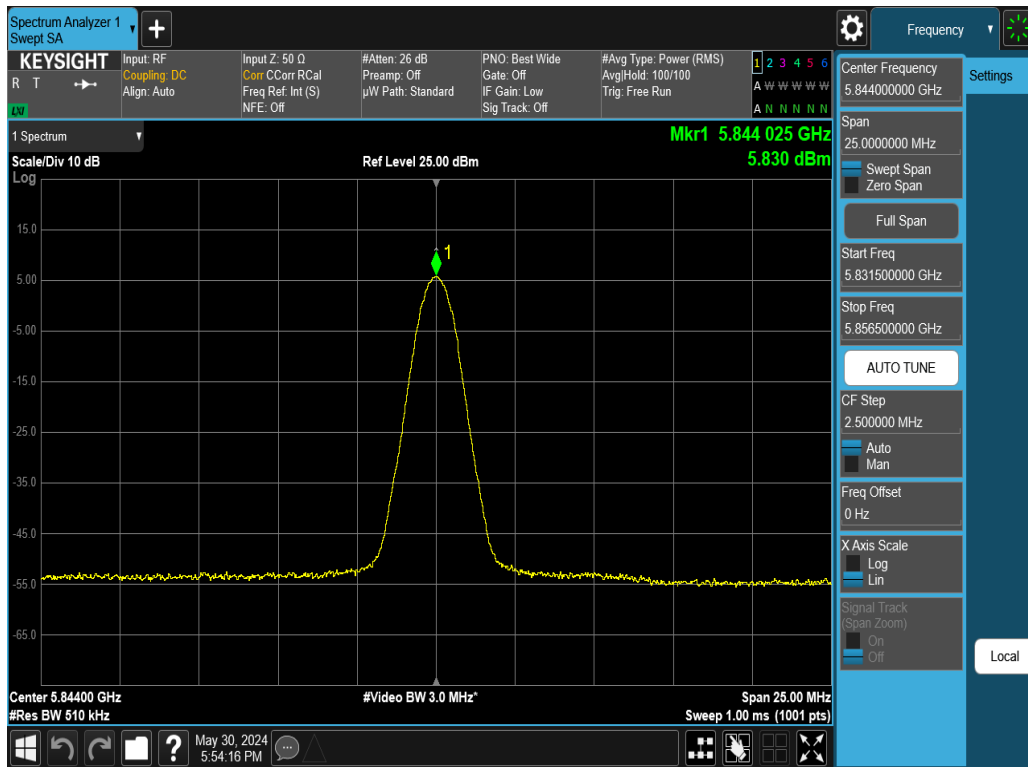


Plot 7-154. ISED PSD TxBF Antenna WF2 (NB UNII BDR, iPA 5789MHz)

FCC ID: BCGA2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-08-R1.BCG	Test Dates: 5/20/2024 - 7/26/2024	EUT Type: Tablet Device	Page 111 of 191

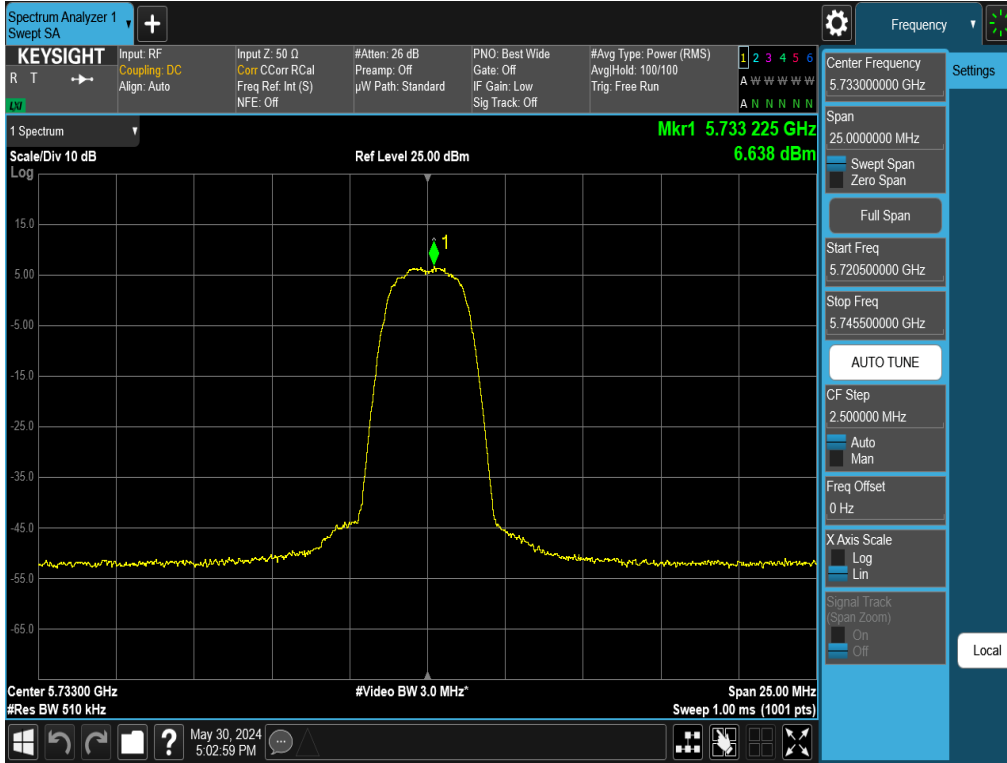


Plot 7-155. ISED PSD TxBF Antenna WF5T (NB UNII BDR, iPA 5844MHz)

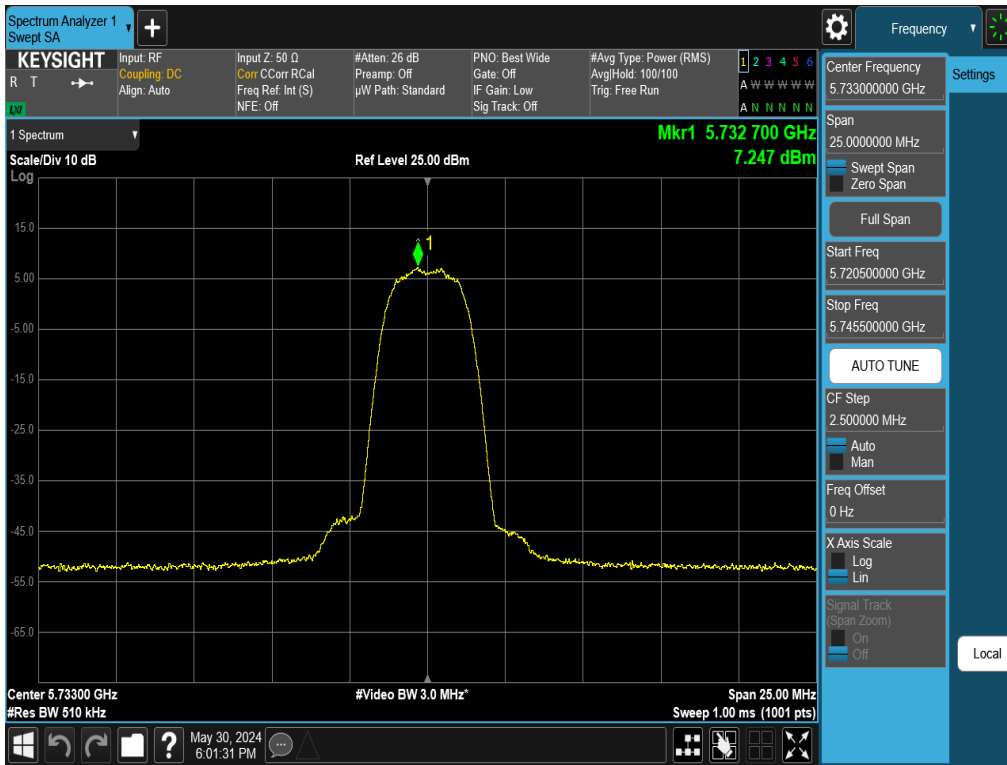


Plot 7-156. ISED PSD TxBF Antenna WF2 (NB UNII BDR, iPA 5844MHz)

FCC ID: BCGA2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-08-R1.BCG	Test Dates: 5/20/2024 - 7/26/2024	EUT Type: Tablet Device	Page 112 of 191

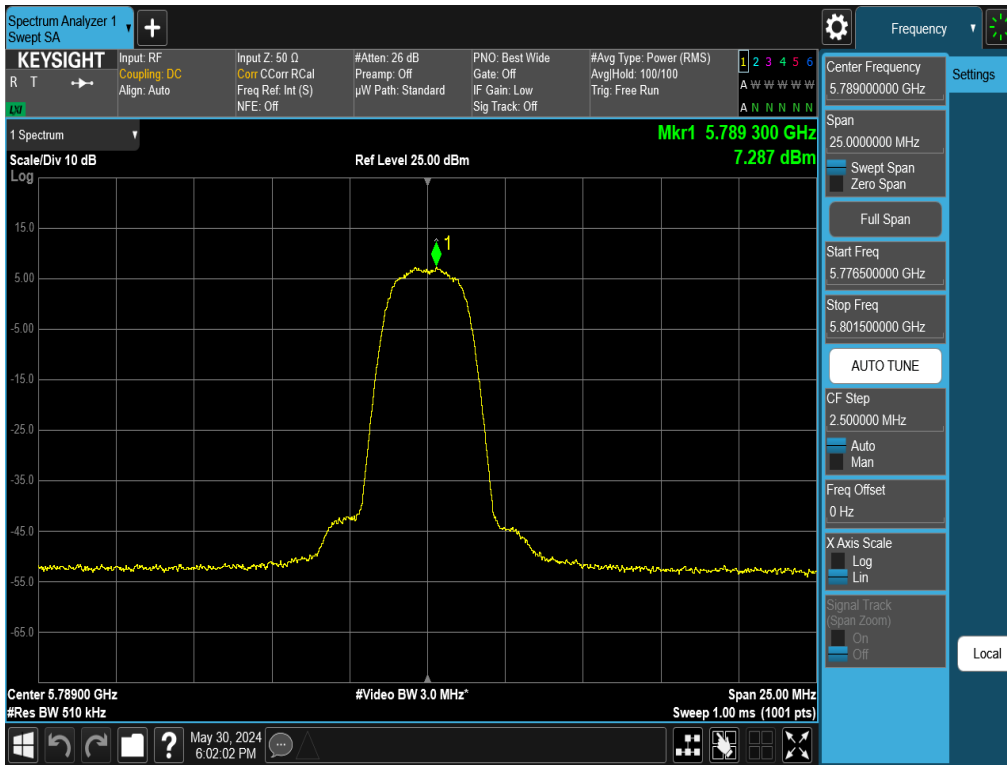
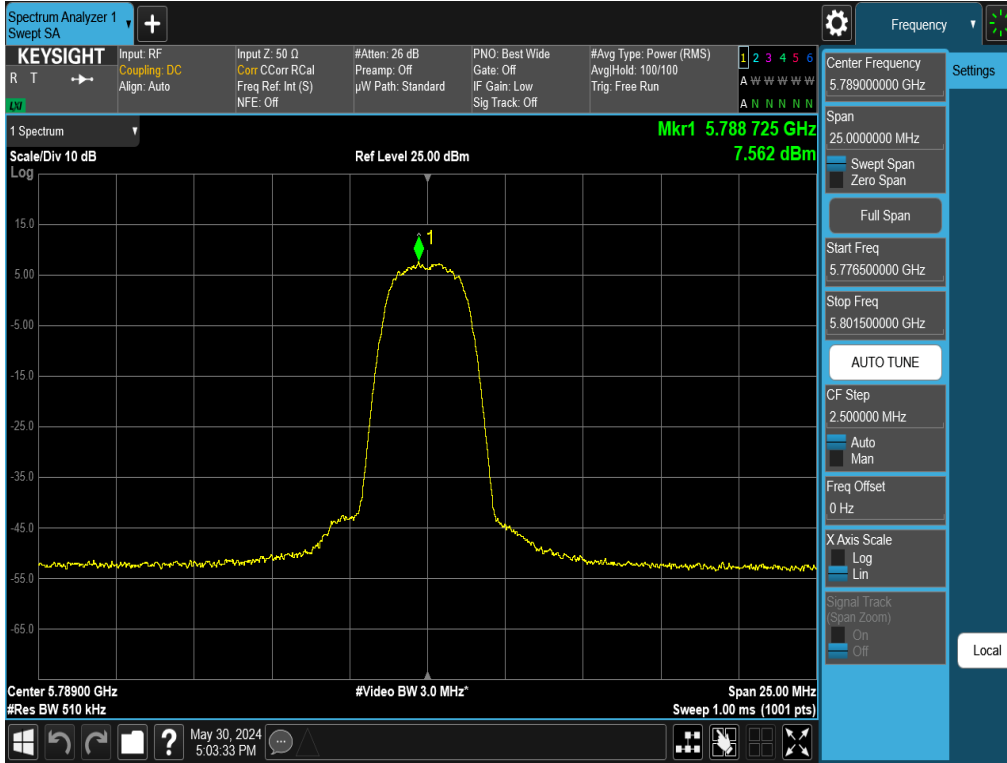


Plot 7-157. PSD Tx BF Antenna WF5T (NB UNII HDR4, ePA 5733MHz)

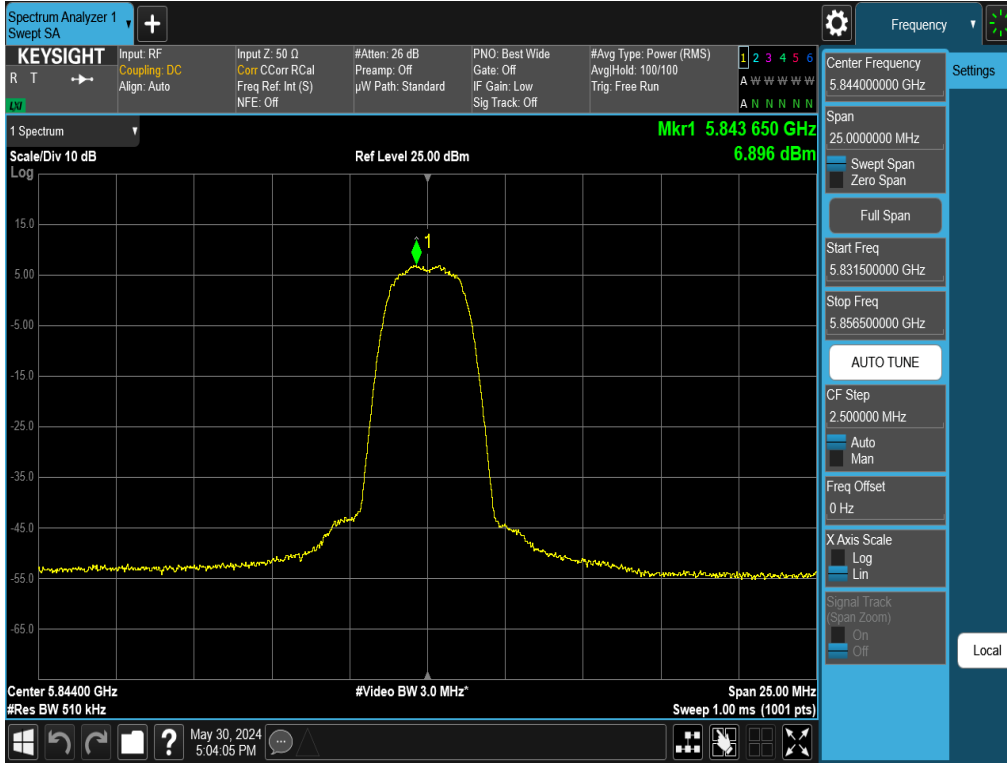


Plot 7-158. PSD Tx BF Antenna WF2 (NB UNII HDR4, ePA 5733MHz)

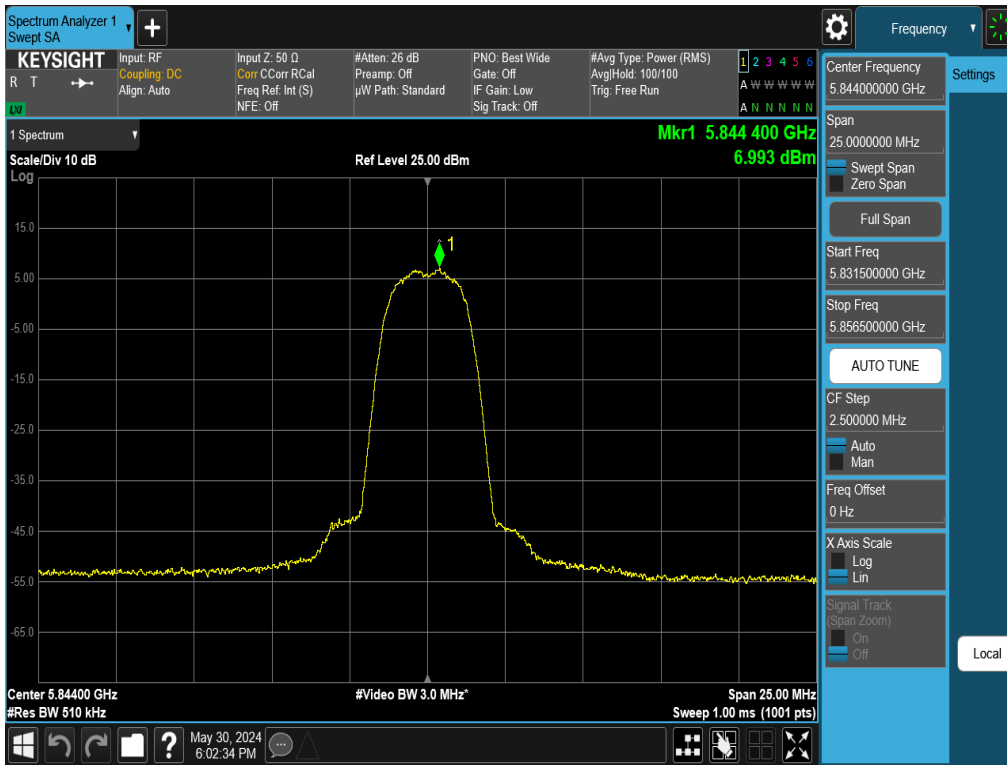
FCC ID: BCGA2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-08-R1.BCG	Test Dates: 5/20/2024 - 7/26/2024	EUT Type: Tablet Device	Page 113 of 191



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

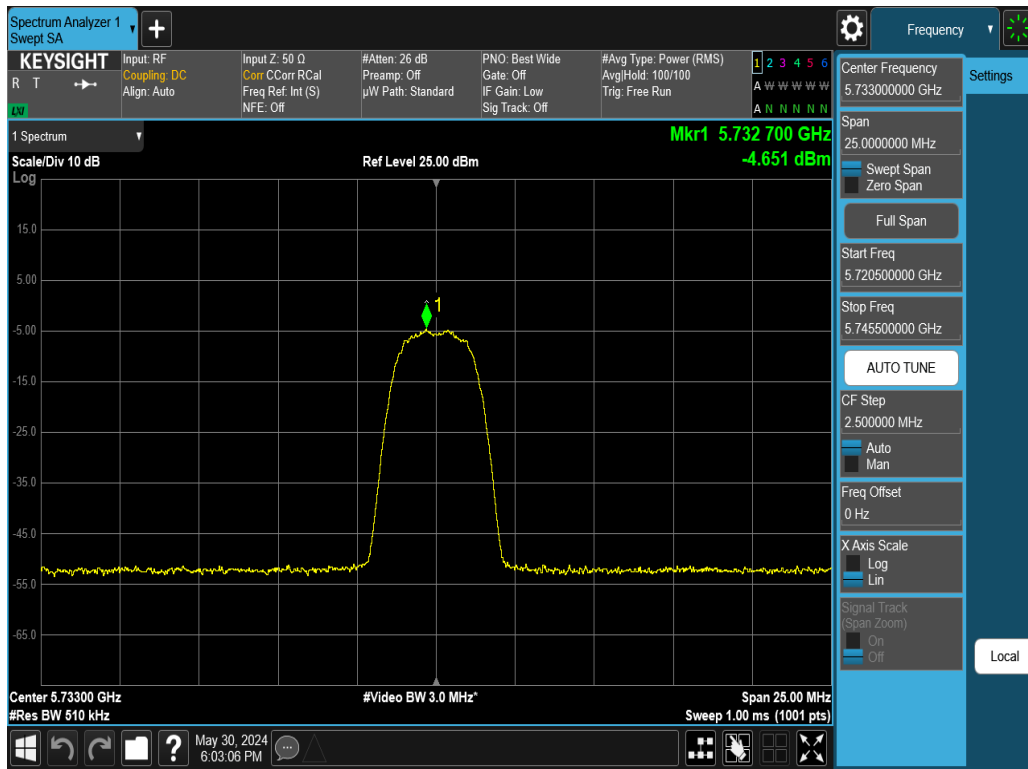
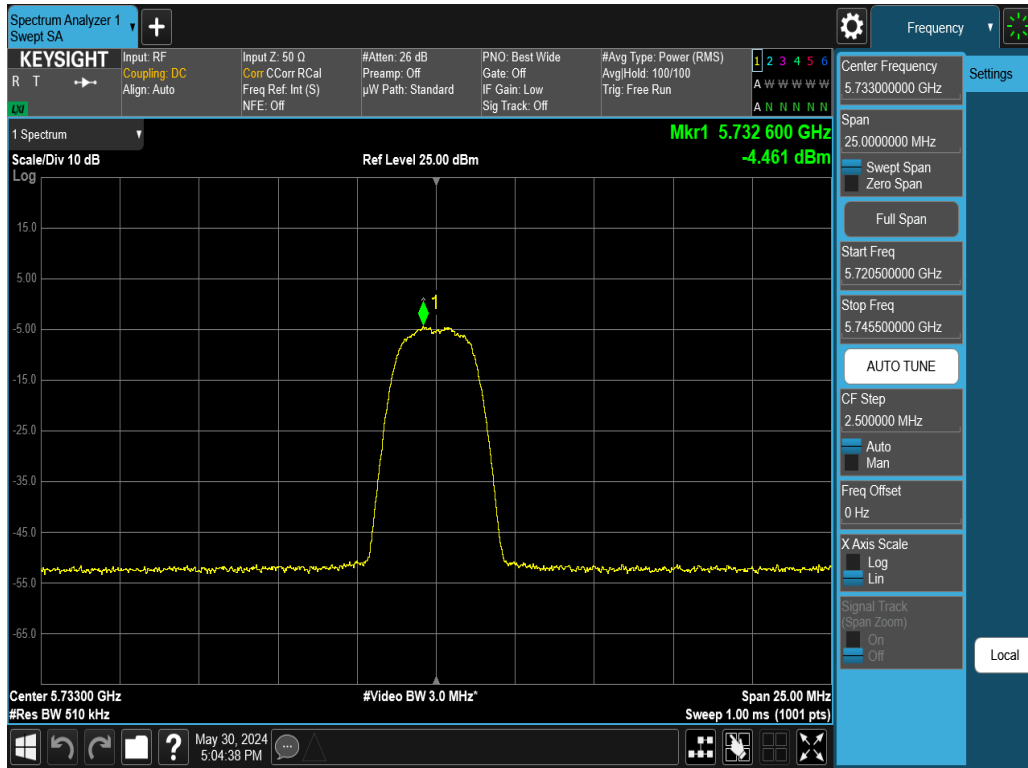


Plot 7-161. PSD TxBF Antenna WF5T (NB UNII HDR4, ePA 5844MHz)

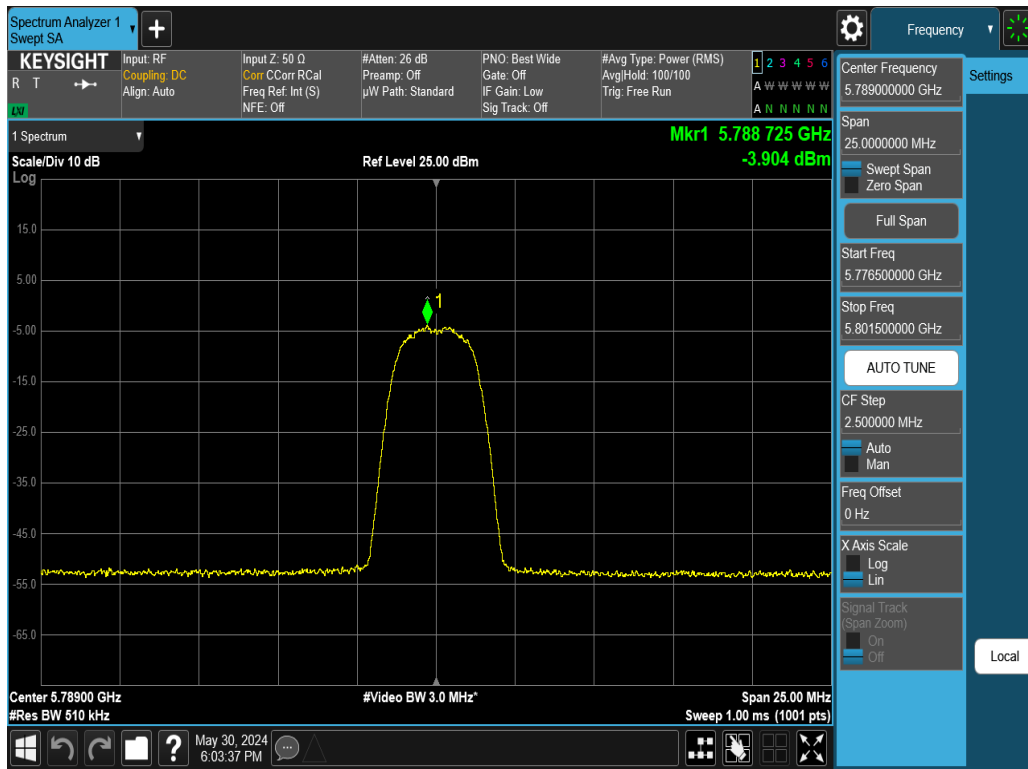
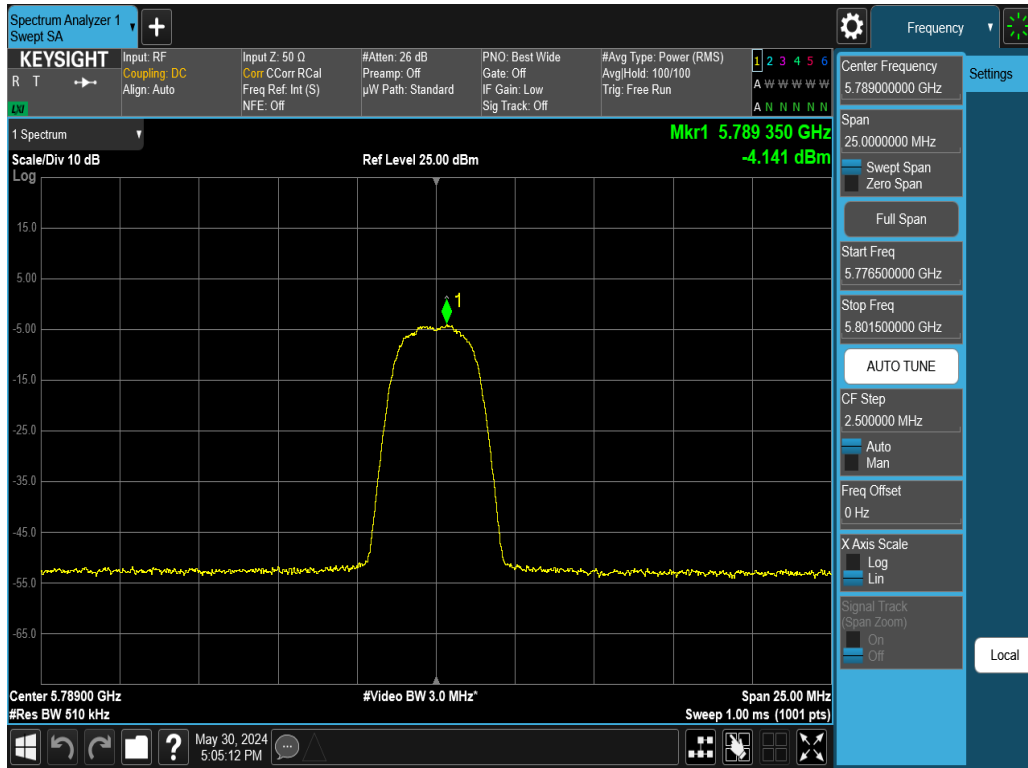


Plot 7-162. PSD TxBF Antenna WF2 (NB UNII HDR4, ePA 5844MHz)

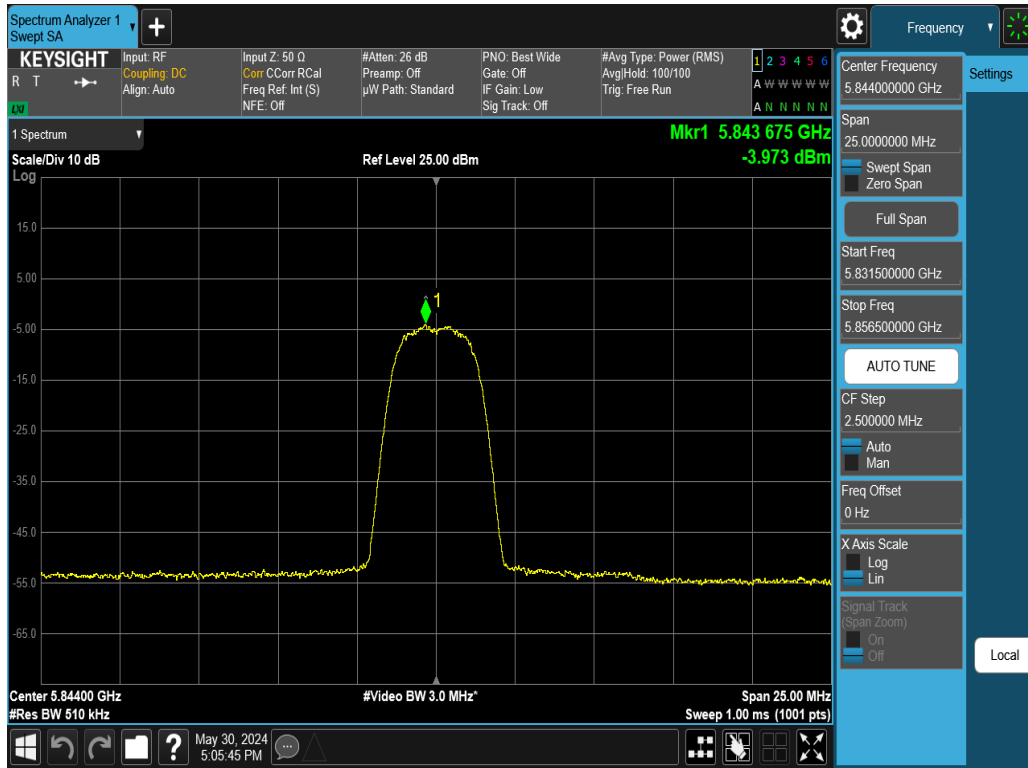
FCC ID: BCGA2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-08-R1.BCG	Test Dates: 5/20/2024 - 7/26/2024	EUT Type: Tablet Device	Page 115 of 191



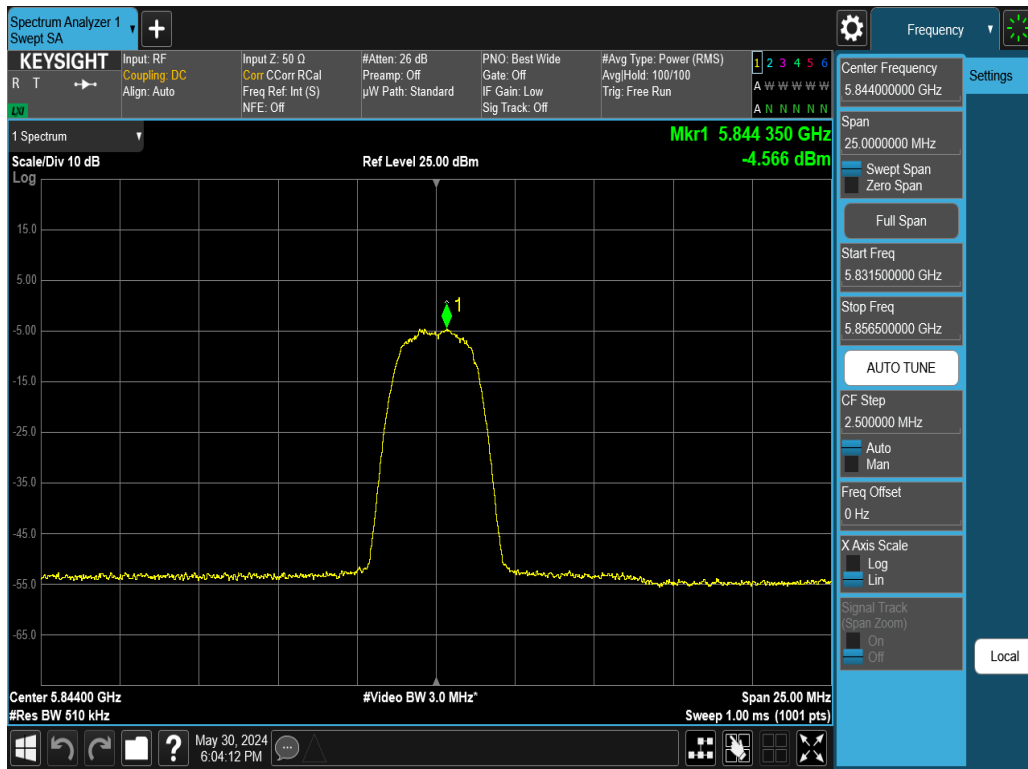
FCC ID: BCGA2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-08-R1.BCG	Test Dates: 5/20/2024 - 7/26/2024	EUT Type: Tablet Device	Page 116 of 191



FCC ID: BCGA2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-08-R1.BCG	Test Dates: 5/20/2024 - 7/26/2024	EUT Type: Tablet Device	Page 117 of 191

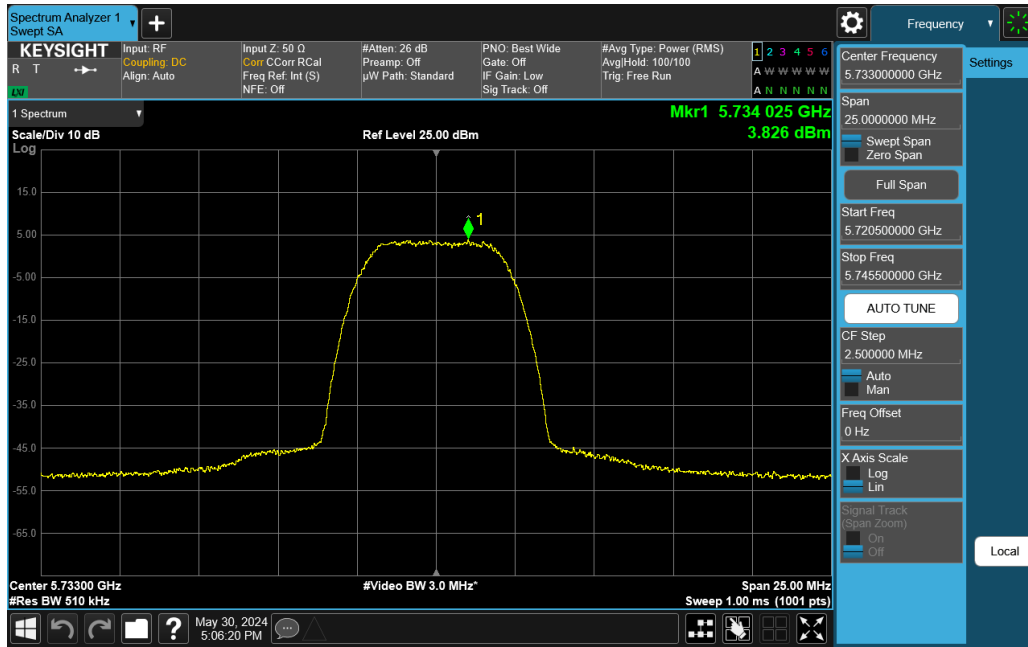


Plot 7-167. ISED PSD TxBF Antenna WF5T (NB UNII HDR4, iPA 5844MHz)

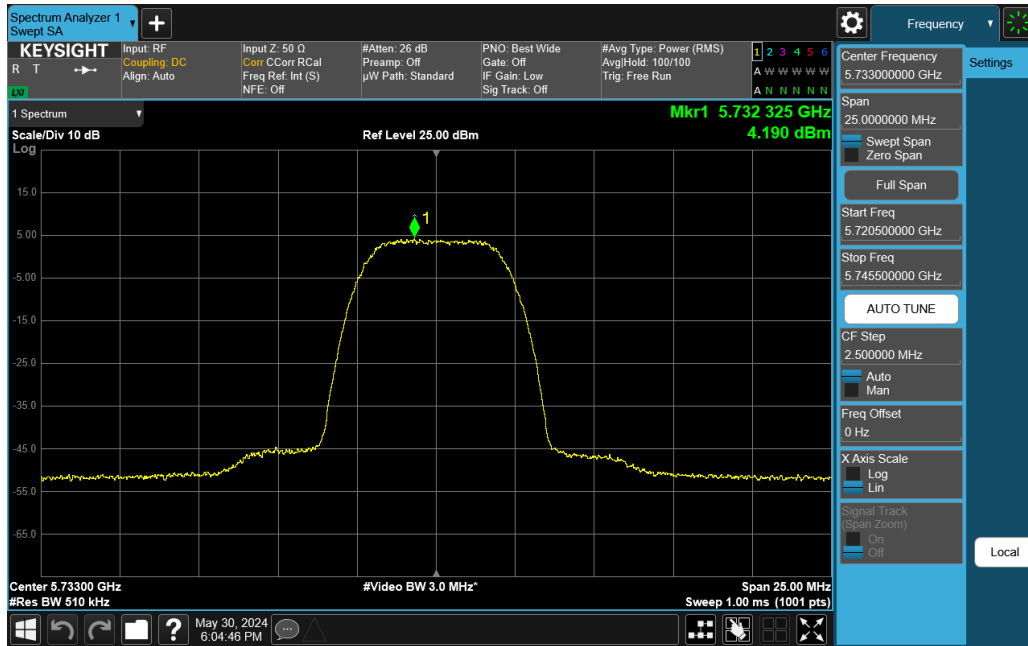


Plot 7-168. ISED PSD TxBF Antenna WF2 (NB UNII HDR4, iPA 5844MHz)

FCC ID: BCGA2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-08-R1.BCG	Test Dates: 5/20/2024 - 7/26/2024	EUT Type: Tablet Device	Page 118 of 191

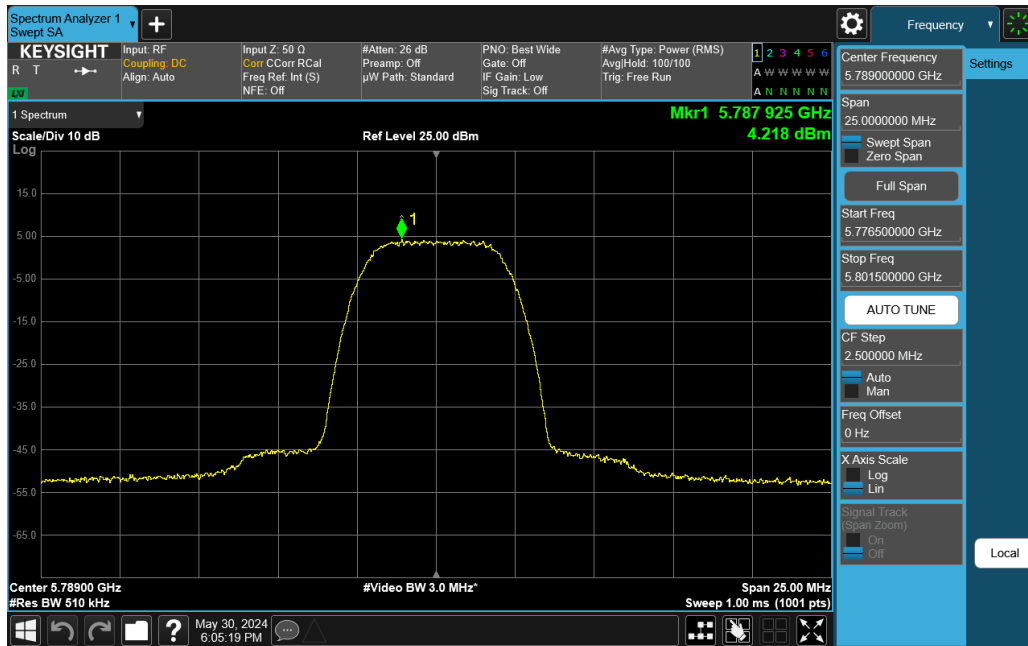
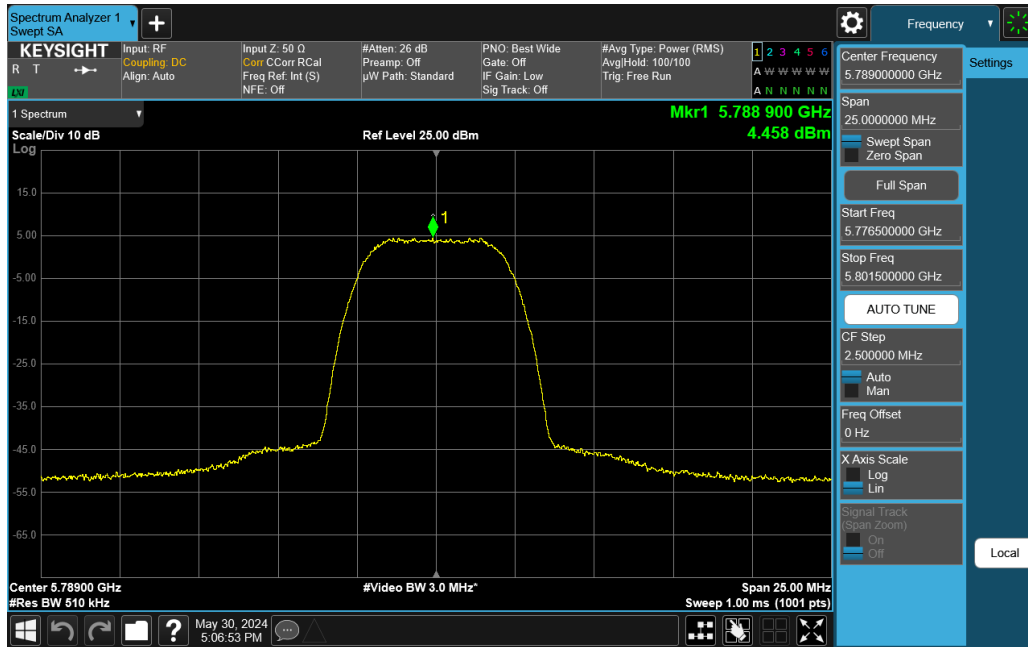


Plot 7-169. PSD TxBF Antenna WF5T (NB UNII HDR8, ePA 5733MHz)

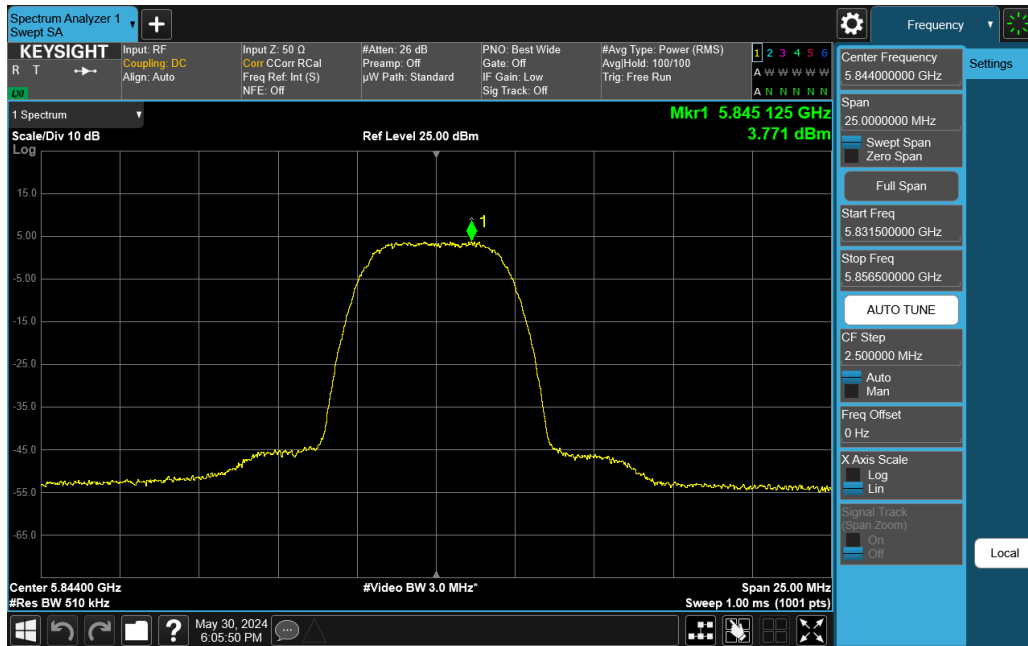
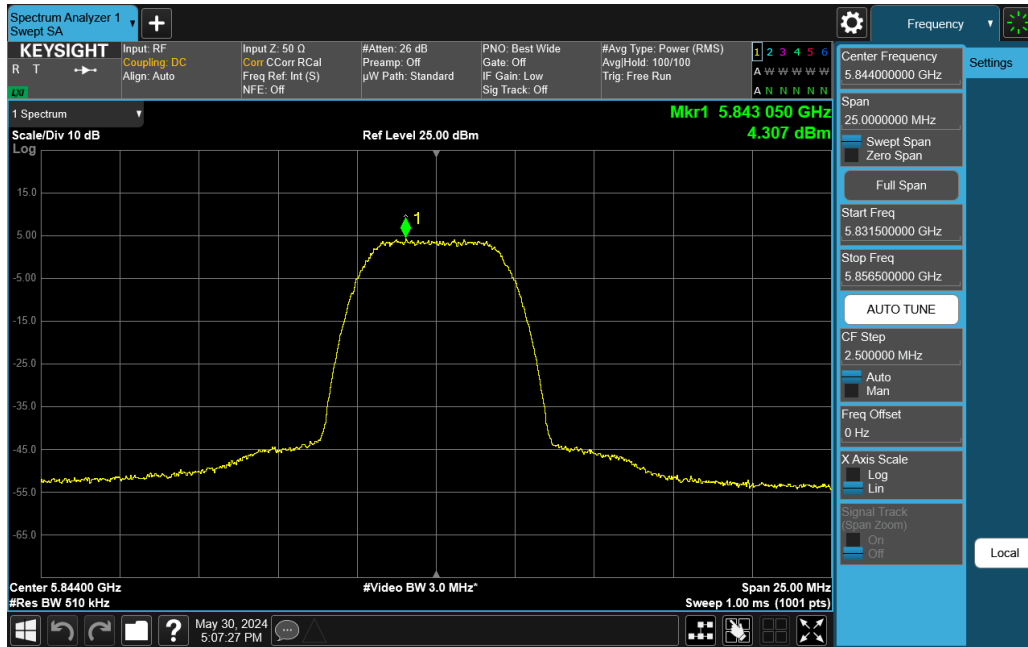


Plot 7-170. PSD TxBF Antenna WF2 (NB UNII HDR8, ePA 5733MHz)

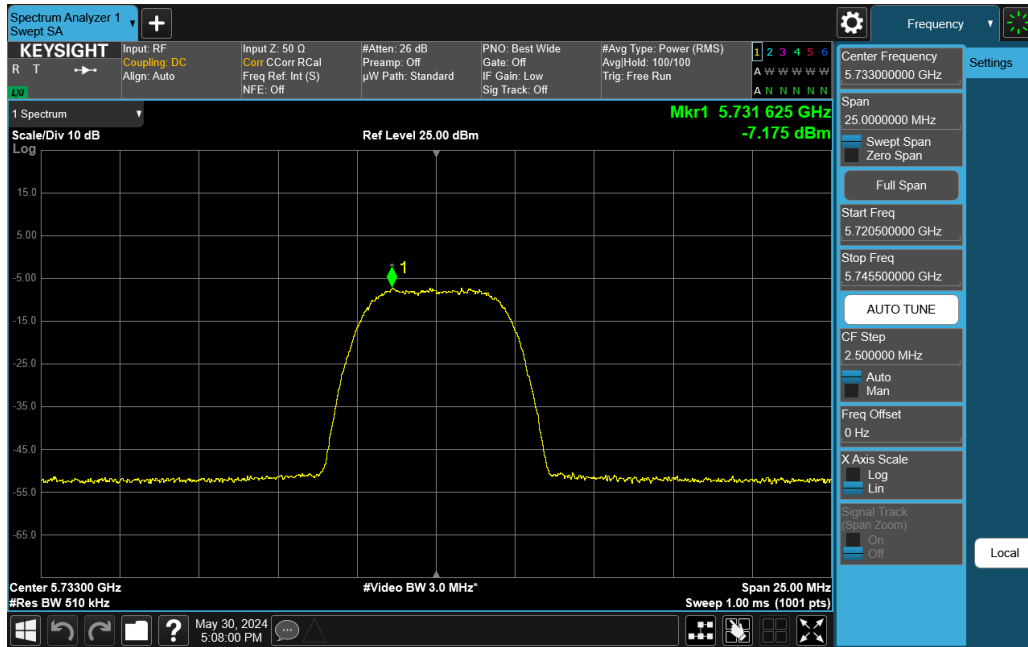
FCC ID: BCGA2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-08-R1.BCG	Test Dates: 5/20/2024 - 7/26/2024	EUT Type: Tablet Device	Page 119 of 191



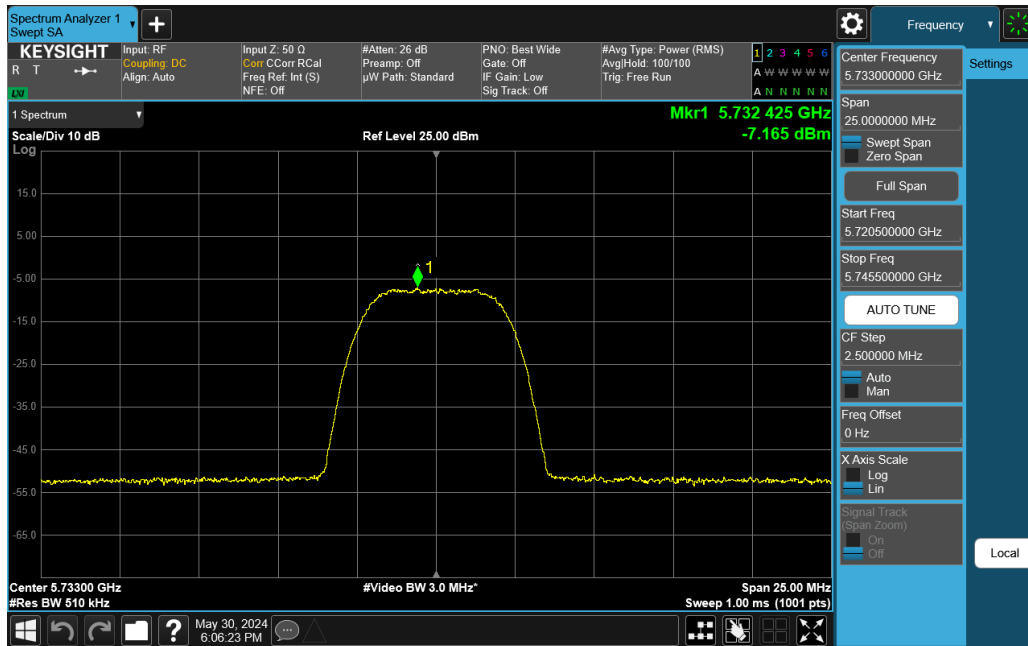
FCC ID: BCGA2993		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2405200017-08-R1.BCG	Test Dates: 5/20/2024 - 7/26/2024	EUT Type: Tablet Device	Page 120 of 191	



FCC ID: BCGA2993		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2405200017-08-R1.BCG	Test Dates: 5/20/2024 - 7/26/2024	EUT Type: Tablet Device		Page 121 of 191

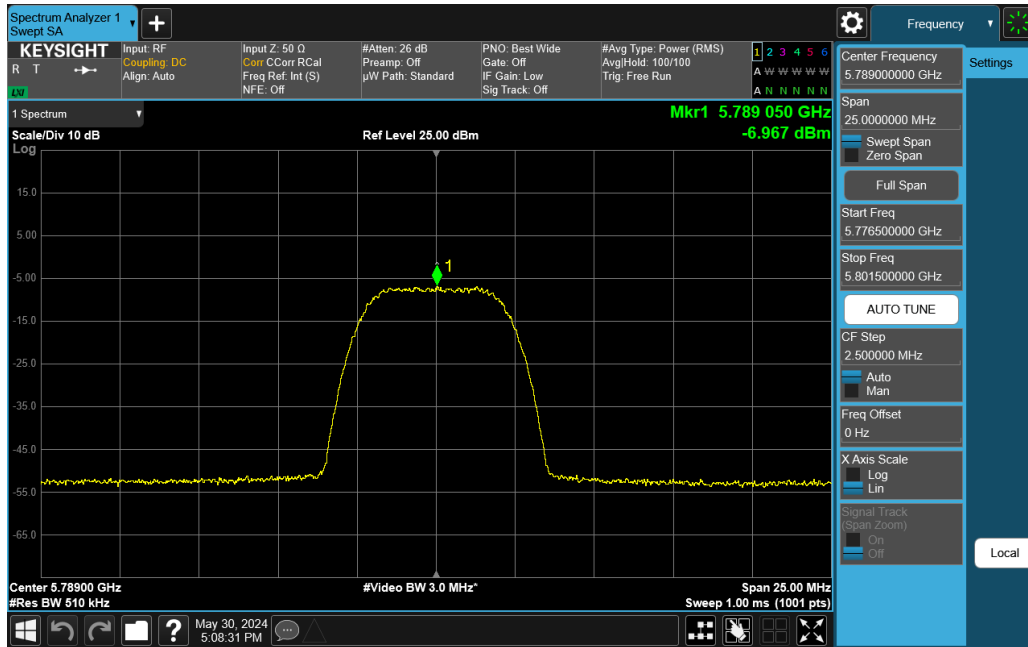


Plot 7-175. PSD TxBF Antenna WF5T (NB UNII HDR8, iPA 5733MHz)

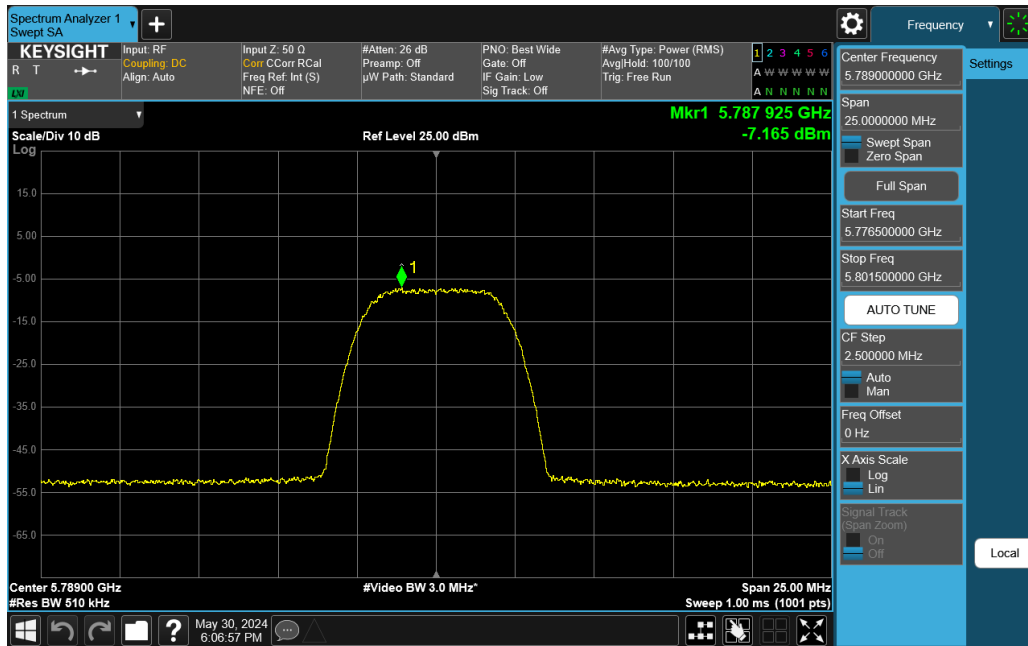


Plot 7-176. PSD TxBF Antenna WF2 (NB UNII HDR8, iPA 5733MHz)

FCC ID: BCGA2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-08-R1.BCG	Test Dates: 5/20/2024 - 7/26/2024	EUT Type: Tablet Device	Page 122 of 191

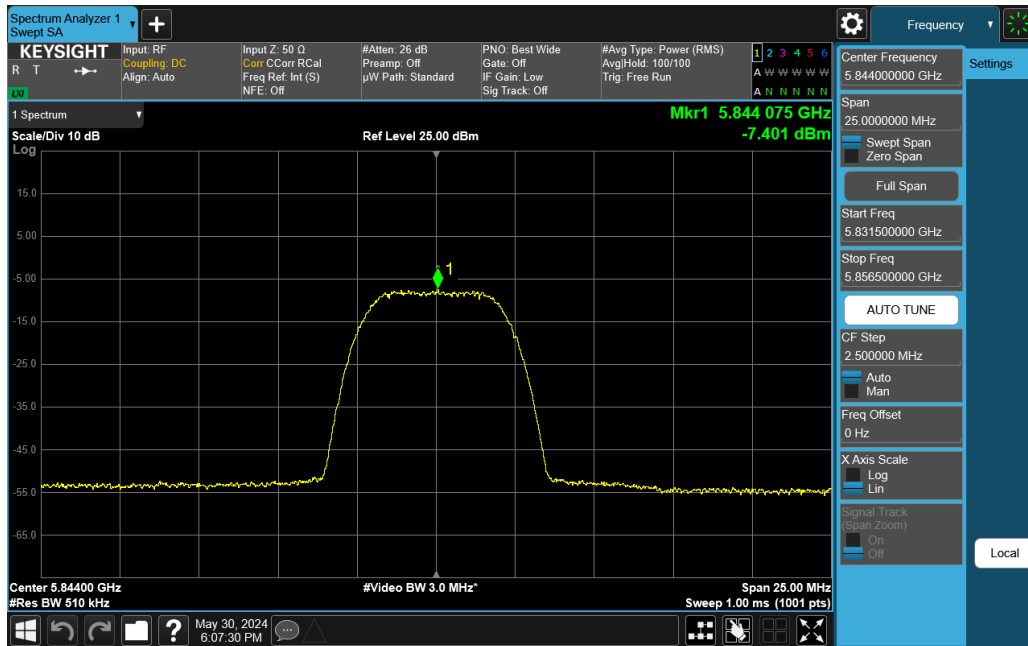
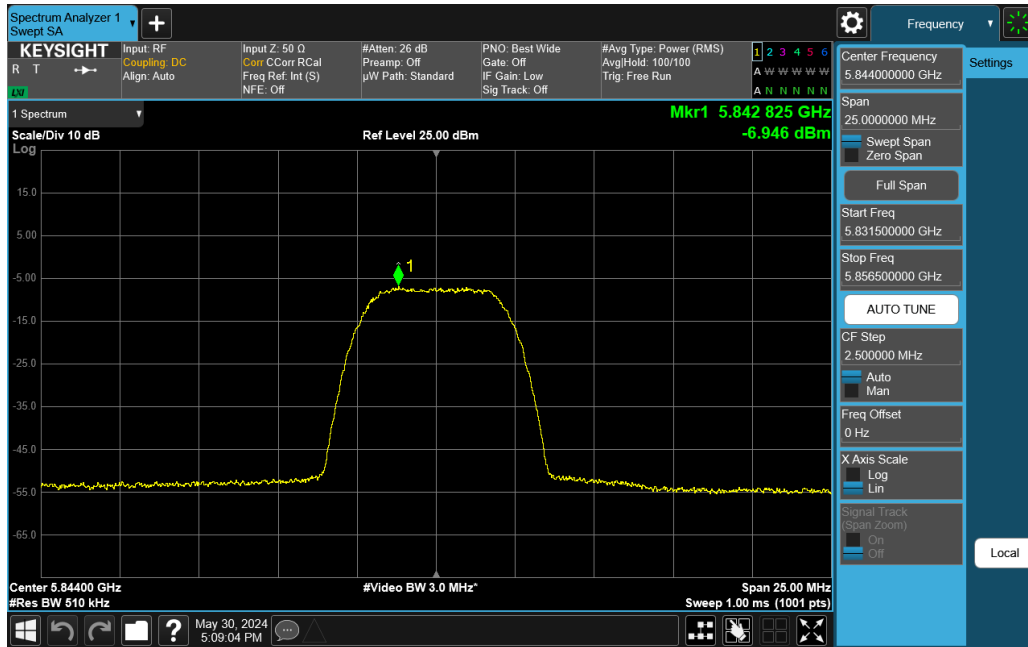


Plot 7-177. PSD TxBF Antenna WF5T (NB UNII HDR8, iPA 5789MHz)



Plot 7-178. ISED PSD TxBF Antenna WF2 (NB UNII HDR8, iPA 5789MHz)

FCC ID: BCGA2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-08-R1.BCG	Test Dates: 5/20/2024 - 7/26/2024	EUT Type: Tablet Device	Page 123 of 191



FCC ID: BCGA2993		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2405200017-08-R1.BCG	Test Dates: 5/20/2024 - 7/26/2024	EUT Type: Tablet Device		Page 124 of 191



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.

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

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

FCC ID: BCGA2993		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-08-R1.BCG	Test Dates: 5/20/2024 - 7/26/2024	EUT Type: Tablet Device	Page 125 of 191

V 10.6 10/27/2023



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 [μ V/m]	Measured Distance [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 (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-08-R1.BCG	Test Dates: 5/20/2024 - 7/26/2024	EUT Type: Tablet Device	Page 126 of 191

V 10.6 10/27/2023

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.

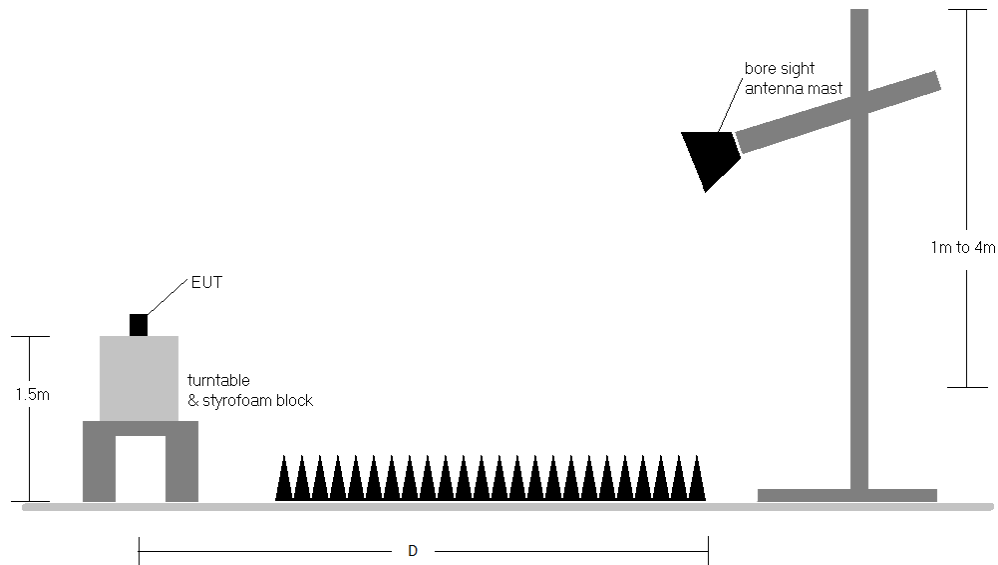


Figure 7-5. Test Instrument & Measurement Setup

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

V 10.6 10/27/2023

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 μ 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 μ 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 μ 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 μ V/m] – Limit [dB μ V/m]

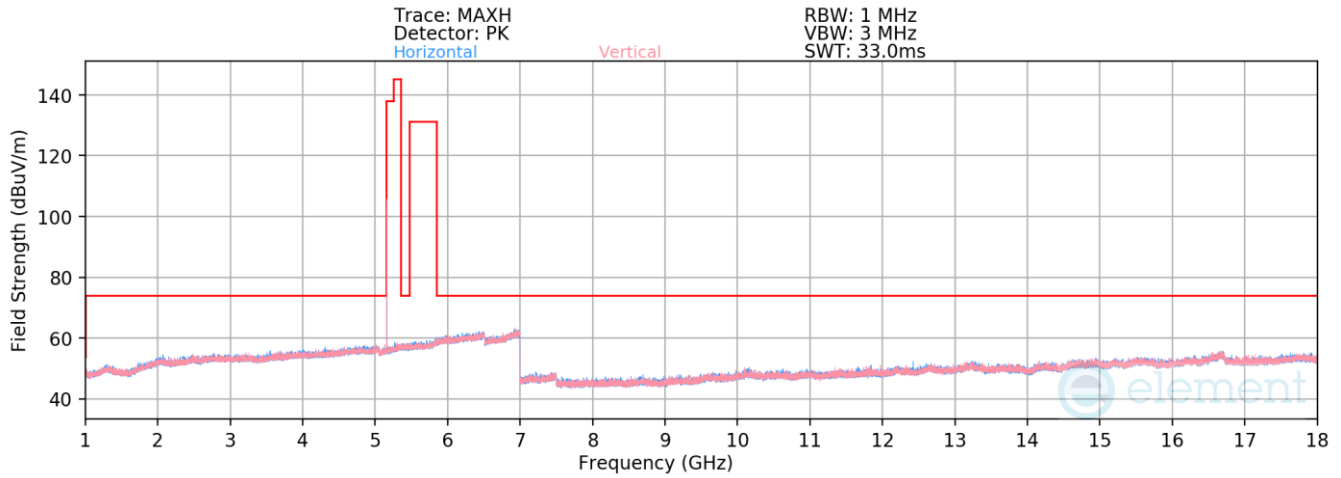
Radiated Band Edge Measurement Offset

- 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 (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-08-R1.BCG	Test Dates: 5/20/2024 - 7/26/2024	EUT Type: Tablet Device	Page 128 of 191

V 10.6 10/27/2023

7.6.1 Antenna WF5T



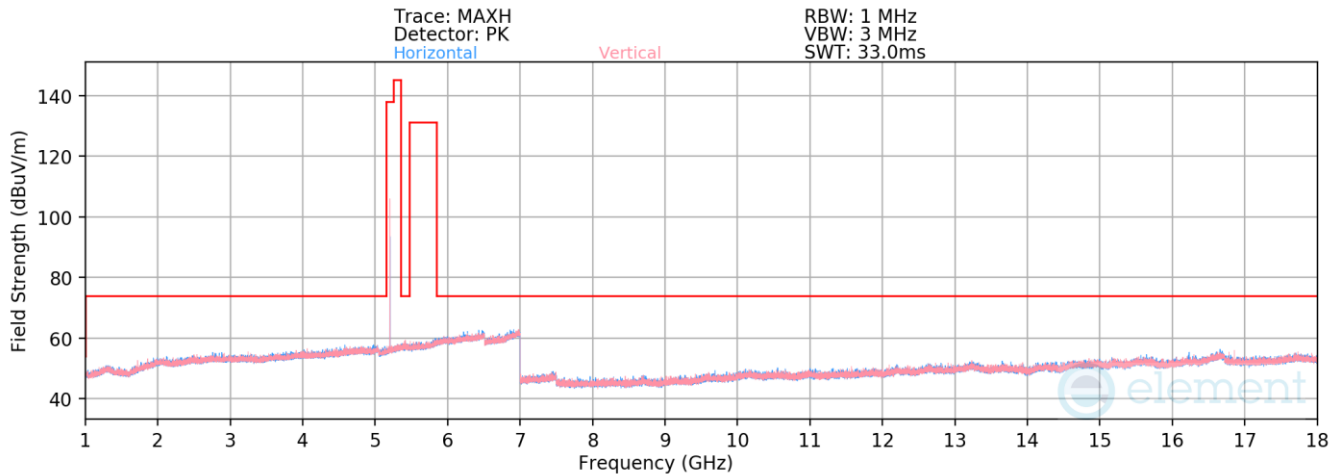
Plot 7-181. Radiated Spurious Emissions 1-18GHz Antenna WF5T (NB UNII BDR ePA – 5162MHz)

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 [dBμV/m]	Limit [dBμV/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 (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2405200017-08-R1.BCG	Test Dates: 5/20/2024 - 7/26/2024	EUT Type: Tablet Device	Page 129 of 191



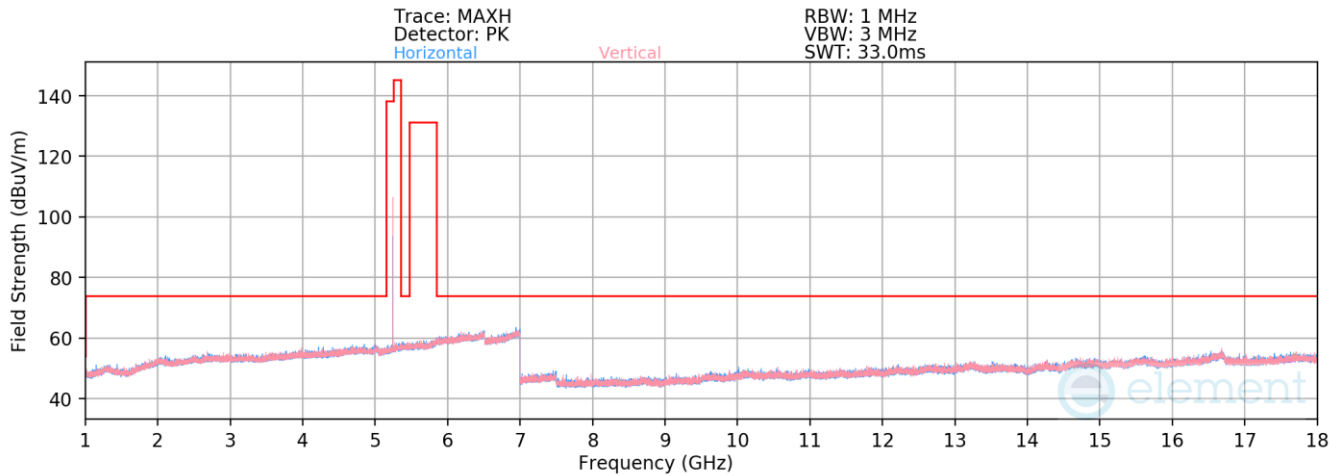
Plot 7-182. Radiated Spurious Emissions 1-18GHz Antenna WF5T (NB UNII BDR ePA – 5204MHz)

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 (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2405200017-08-R1.BCG	Test Dates: 5/20/2024 - 7/26/2024	EUT Type: Tablet Device	Page 130 of 191



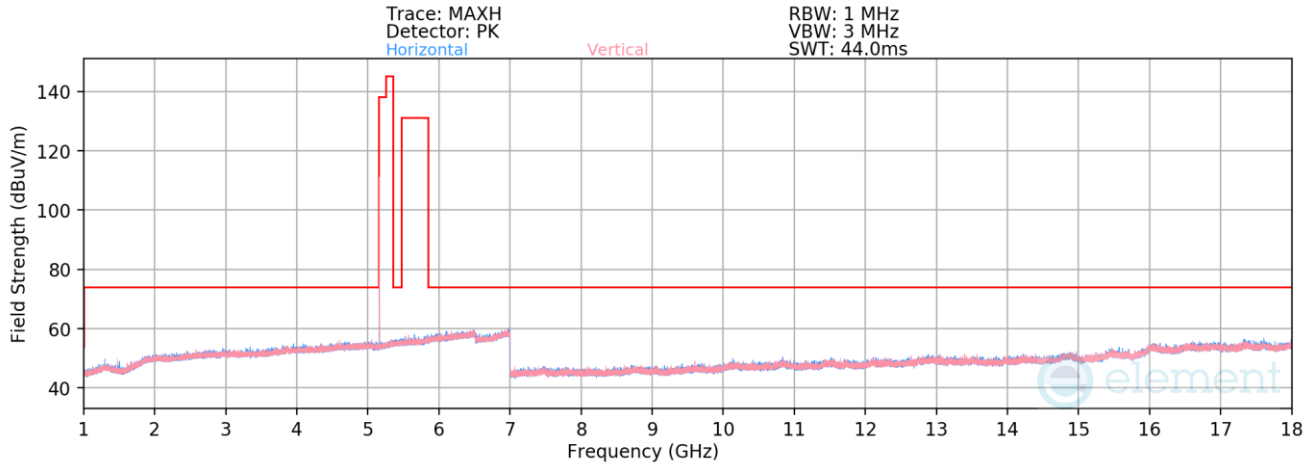
Plot 7-183. Radiated Spurious Emissions 1-18GHz Antenna WF5T (NB UNII BDR ePA – 5245MHz)

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 [dBμV/m]	Limit [dBμV/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 (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2405200017-08-R1.BCG	Test Dates: 5/20/2024 - 7/26/2024	EUT Type: Tablet Device		Page 131 of 191



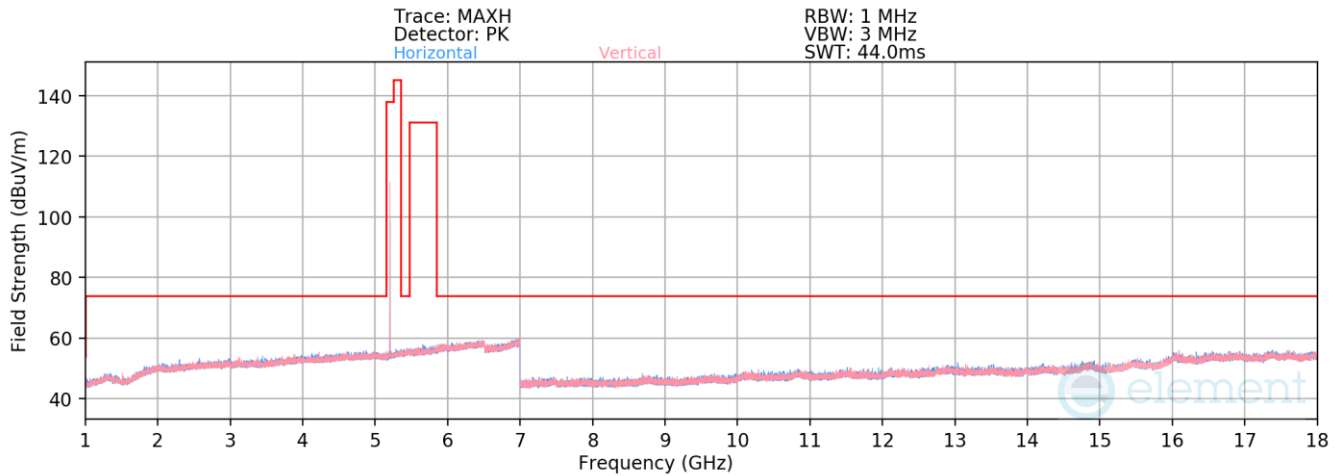
Plot 7-184. Radiated Spurious Emissions 1-18GHz Antenna WF5T (NB UNII HDR4 ePA – 5162MHz)

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 [dBμV/m]	Limit [dBμV/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 (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-08-R1.BCG	Test Dates: 5/20/2024 - 7/26/2024	EUT Type: Tablet Device	Page 132 of 191	



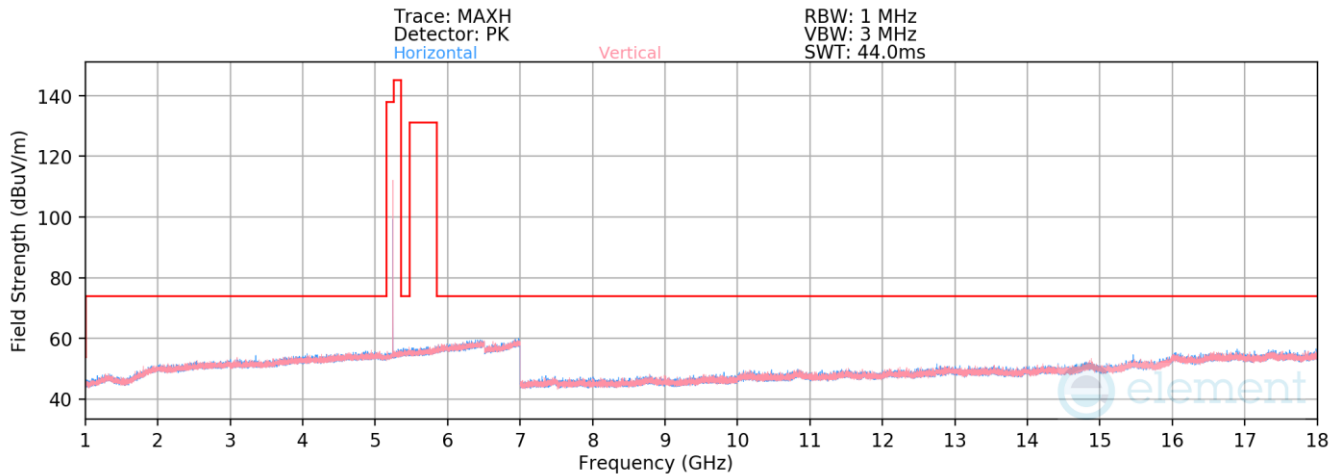
Plot 7-185. Radiated Spurious Emissions 1-18GHz Antenna WF5T (NB UNII HDR4 ePA – 5204MHz)

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 [dBμV/m]	Limit [dBμV/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 (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-08-R1.BCG	Test Dates: 5/20/2024 - 7/26/2024	EUT Type: Tablet Device	Page 133 of 191



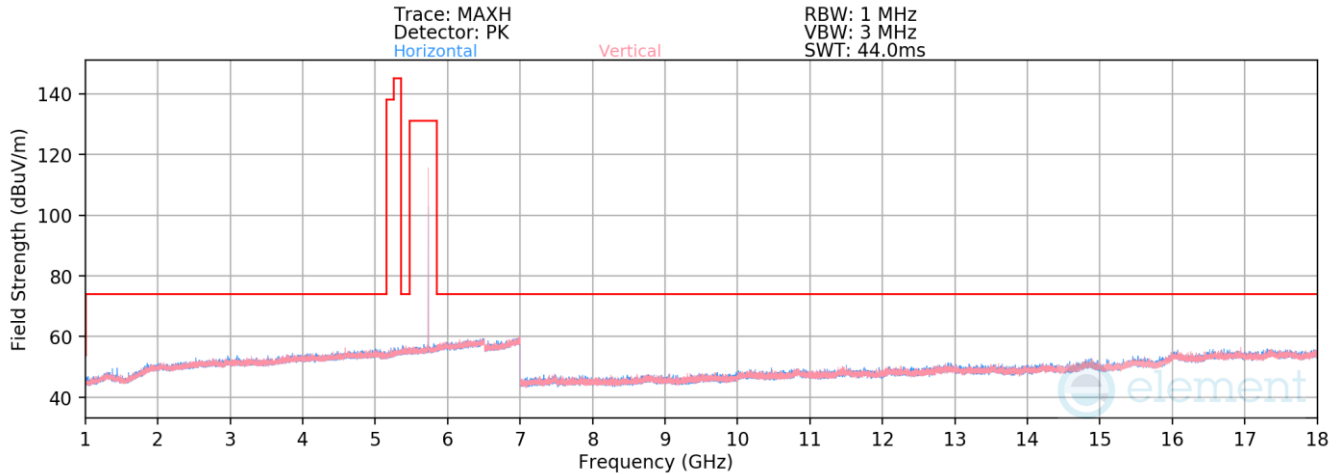
Plot 7-186. Radiated Spurious Emissions 1-18GHz Antenna WF5T (NB UNII HDR4 ePA – 5245MHz)

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 [dBμV/m]	Limit [dBμV/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 (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-08-R1.BCG	Test Dates: 5/20/2024 - 7/26/2024	EUT Type: Tablet Device		Page 134 of 191



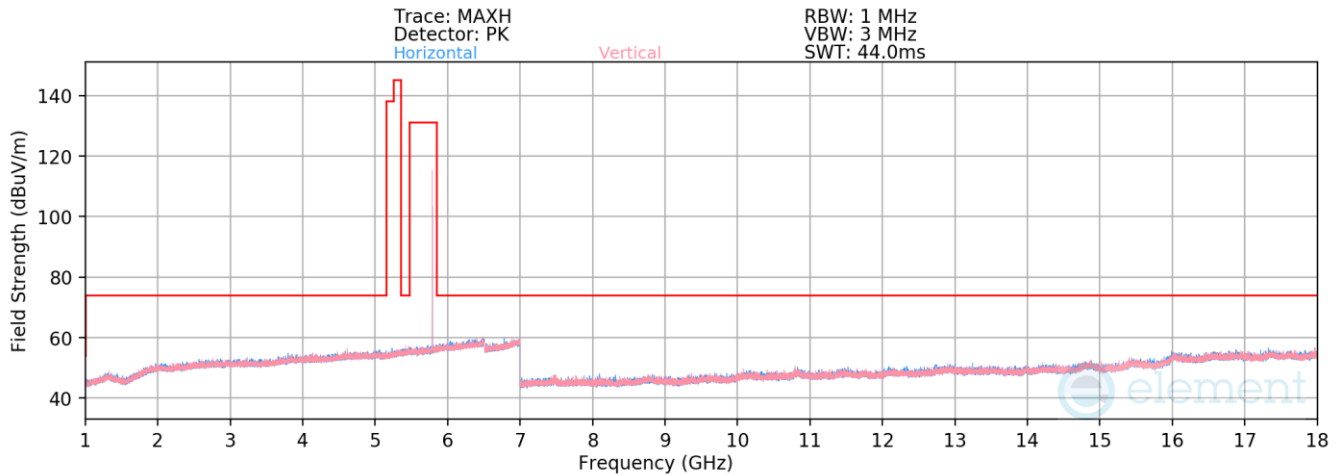
Plot 7-187. Radiated Spurious Emissions 1-18GHz Antenna WF5T (NB UNII BDR ePA – 5733MHz)

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 [dBμV/m]	Limit [dBμV/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 (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2405200017-08-R1.BCG	Test Dates: 5/20/2024 - 7/26/2024	EUT Type: Tablet Device		Page 135 of 191



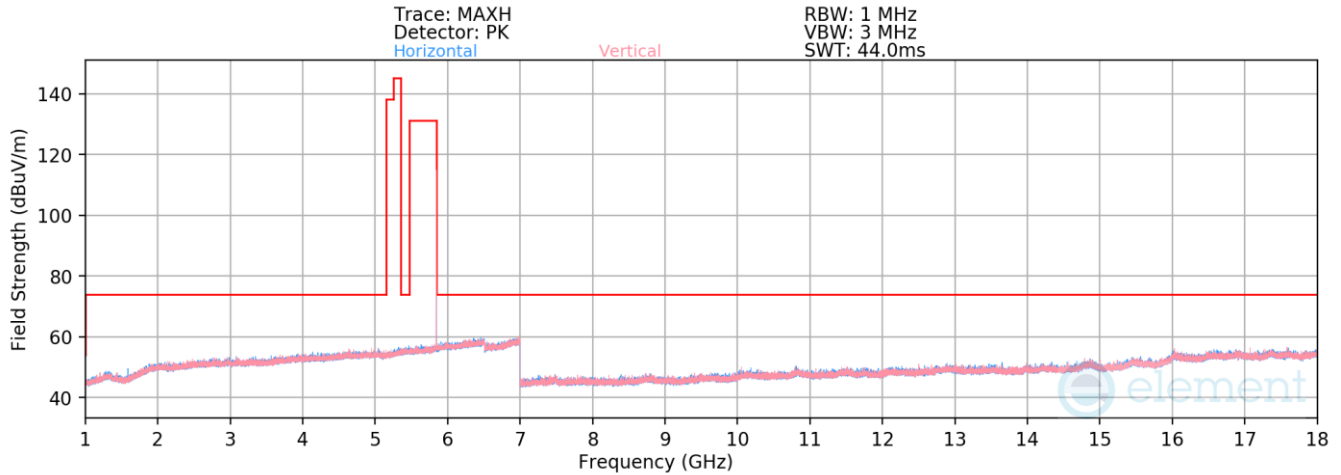
Plot 7-188. Radiated Spurious Emissions 1-18GHz Antenna WF5T (NB UNII BDR ePA – 5789MHz)

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 [dB μ V/m]	Limit [dB μ V/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 (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-08-R1.BCG	Test Dates: 5/20/2024 - 7/26/2024	EUT Type: Tablet Device	Page 136 of 191



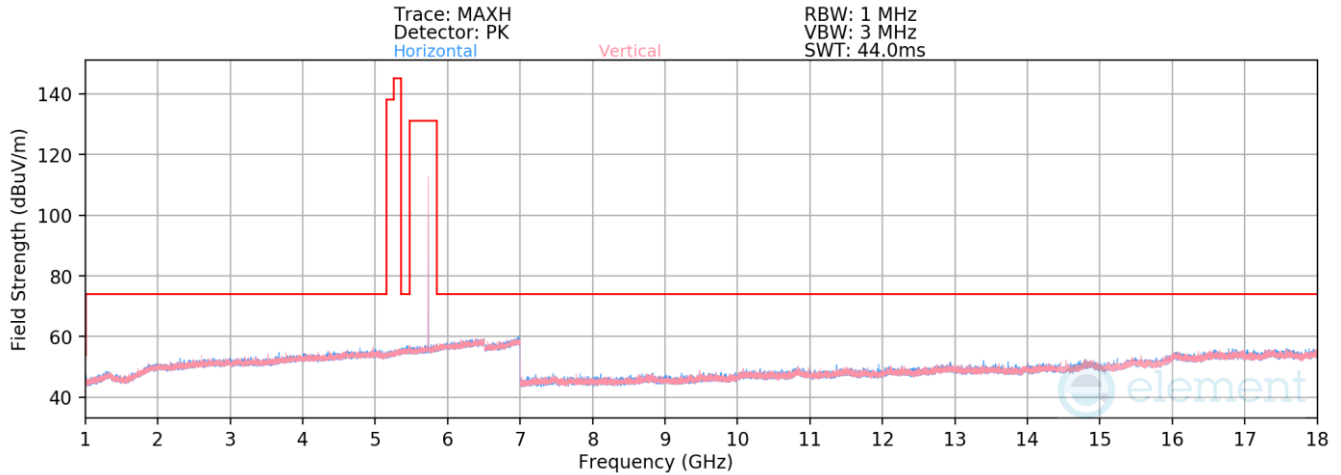
Plot 7-189. Radiated Spurious Emissions 1-18GHz Antenna WF5T (NB UNII BDR ePA – 5844MHz)

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 (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2405200017-08-R1.BCG	Test Dates: 5/20/2024 - 7/26/2024	EUT Type: Tablet Device		Page 137 of 191



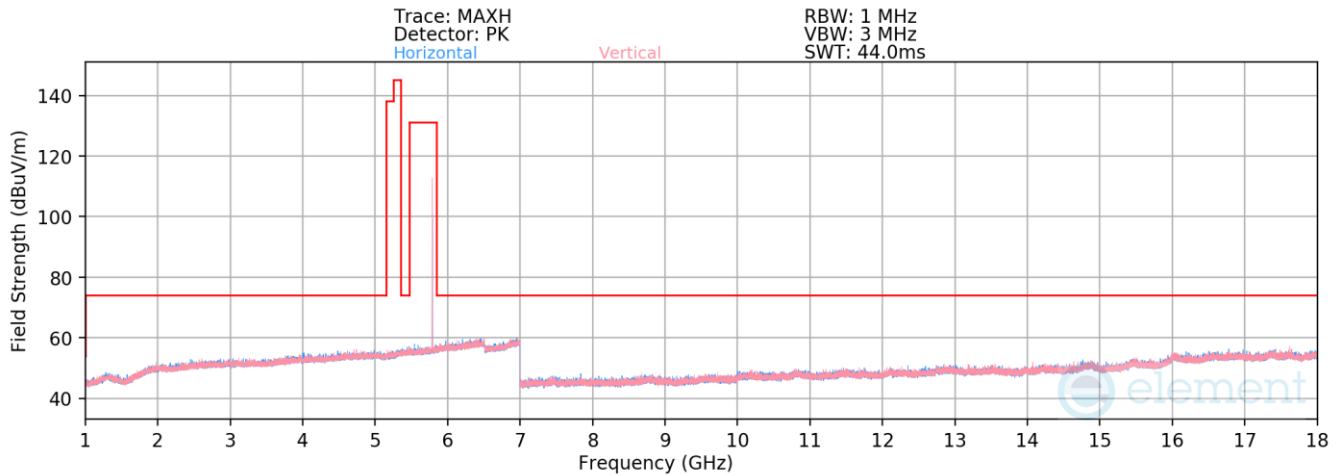
Plot 7-190. Radiated Spurious Emissions 1-18GHz Antenna WF5T (NB UNII HDR4 ePA – 5733MHz)

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 (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2405200017-08-R1.BCG	Test Dates: 5/20/2024 - 7/26/2024	EUT Type: Tablet Device		Page 138 of 191



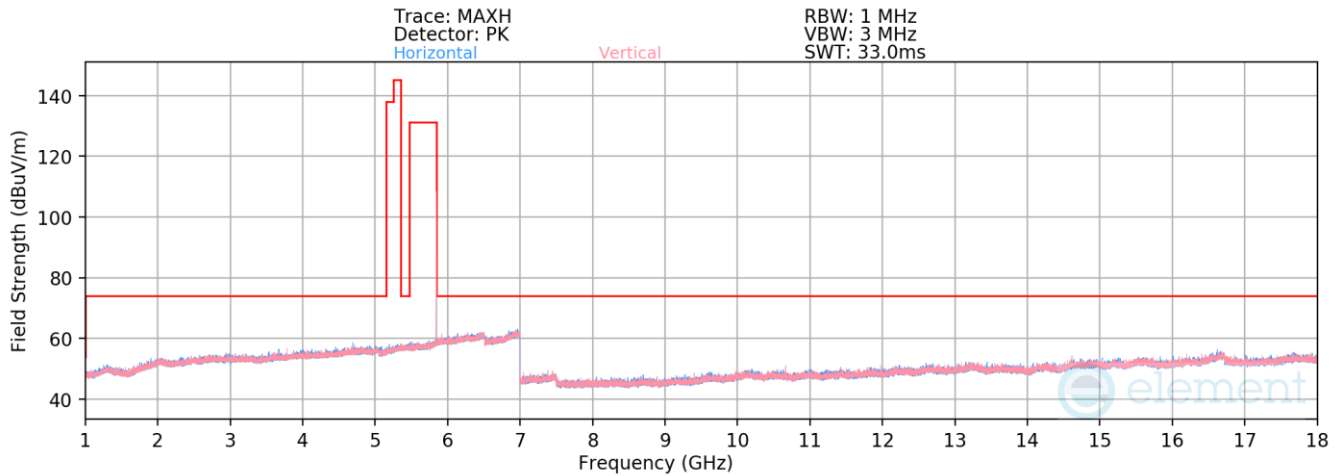
Plot 7-191. Radiated Spurious Emissions 1-18GHz Antenna WF5T (NB UNII HDR4 ePA – 5789MHz)

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 [dBμV/m]	Limit [dBμV/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 (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-08-R1.BCG	Test Dates: 5/20/2024 - 7/26/2024	EUT Type: Tablet Device	Page 139 of 191



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

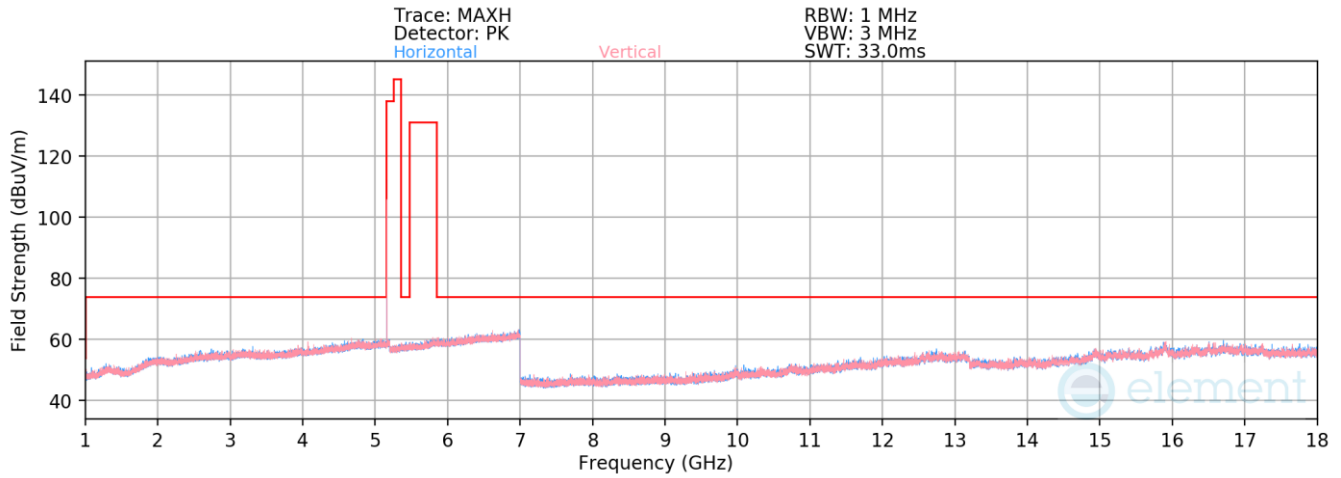
Mode: HDR4
 Data Rate: 1Mbps
 Power Scheme: ePA
 Distance of Measurements: 3 Meters
 Operating Frequency: 5844MHz

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/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 (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-08-R1.BCG	Test Dates: 5/20/2024 - 7/26/2024	EUT Type: Tablet Device		Page 140 of 191

7.6.2 Antenna WF2



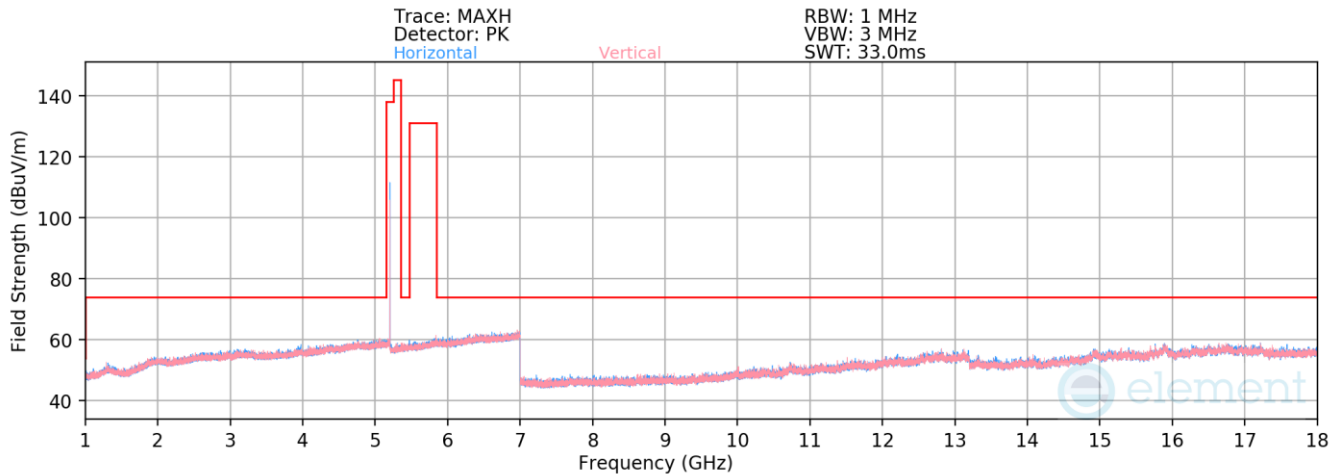
Plot 7-193. Radiated Spurious Emissions 1-18GHz Antenna WF2 (NB UNII BDR ePA – 5162MHz)

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 [dBμV/m]	Limit [dBμV/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 (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2405200017-08-R1.BCG	Test Dates: 5/20/2024 - 7/26/2024	EUT Type: Tablet Device		Page 141 of 191



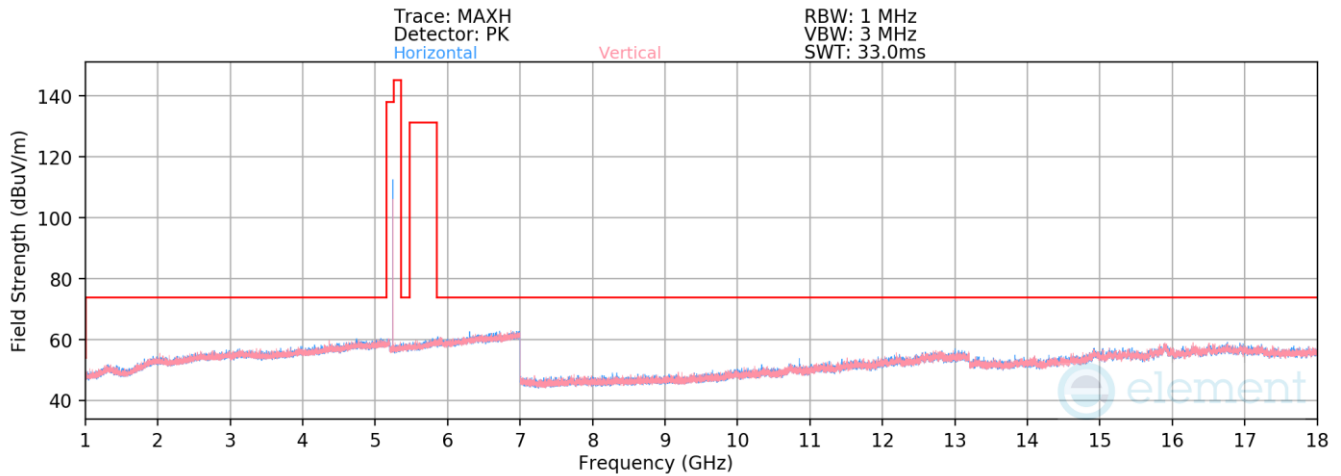
Plot 7-194. Radiated Spurious Emissions 1-18GHz Antenna WF2 (NB UNII BDR ePA – 5204MHz)

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 [dBμV/m]	Limit [dBμV/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 (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2405200017-08-R1.BCG	Test Dates: 5/20/2024 - 7/26/2024	EUT Type: Tablet Device	Page 142 of 191



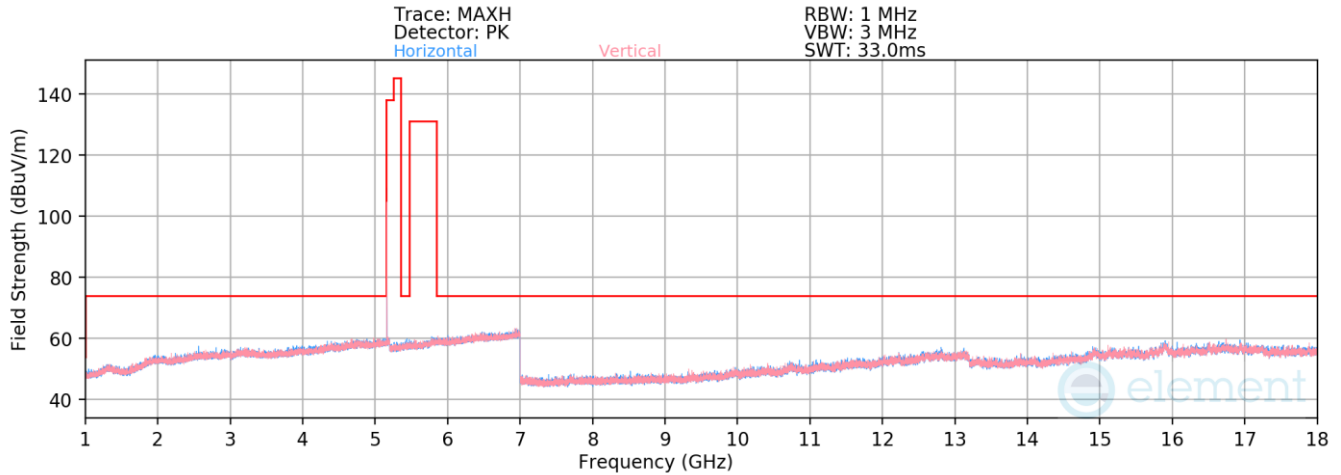
Plot 7-195. Radiated Spurious Emissions 1-18GHz Antenna WF2 (NB UNII BDR ePA – 5245MHz)

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 [dBμV/m]	Limit [dBμV/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 (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-08-R1.BCG	Test Dates: 5/20/2024 - 7/26/2024	EUT Type: Tablet Device	Page 143 of 191



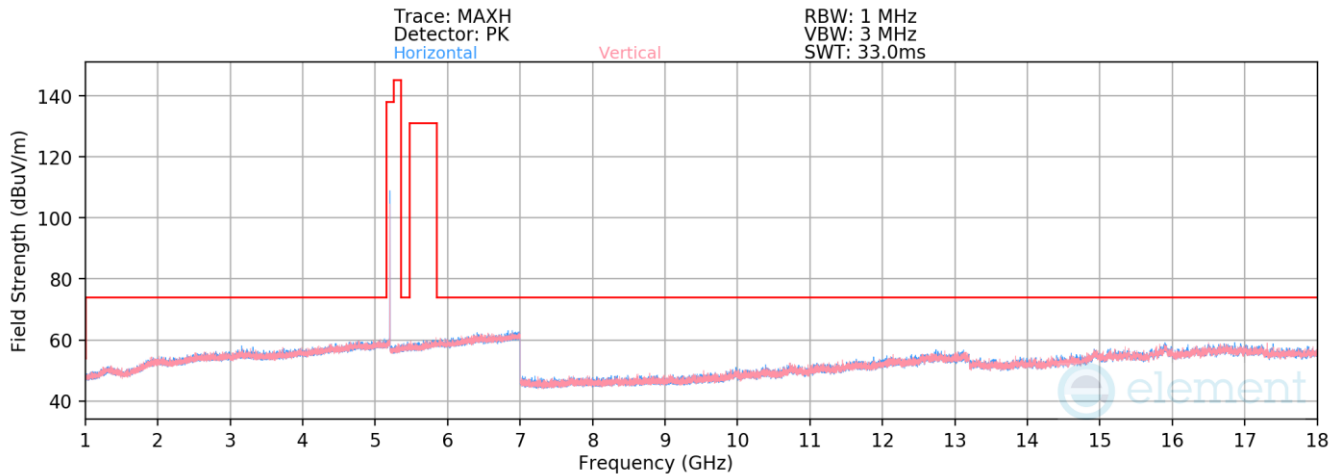
Plot 7-196. Radiated Spurious Emissions 1-18GHz Antenna WF2 (NB UNII HDR4 ePA – 5162MHz)

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 (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-08-R1.BCG	Test Dates: 5/20/2024 - 7/26/2024	EUT Type: Tablet Device	Page 144 of 191	



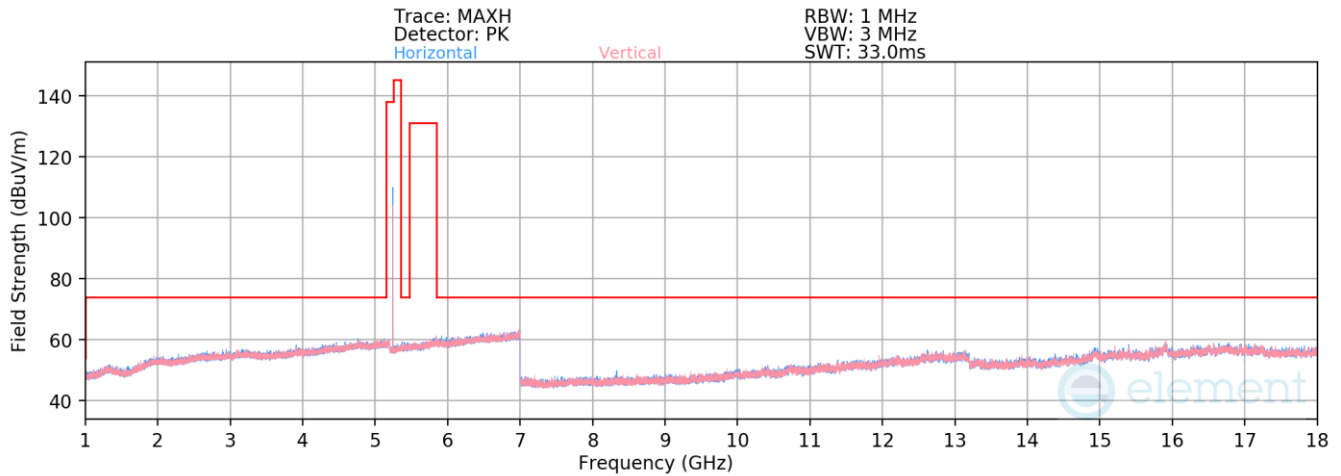
Plot 7-197. Radiated Spurious Emissions 1-18GHz Antenna WF2 (NB UNII HDR4 ePA – 5204MHz)

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 (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2405200017-08-R1.BCG	Test Dates: 5/20/2024 - 7/26/2024	EUT Type: Tablet Device	Page 145 of 191



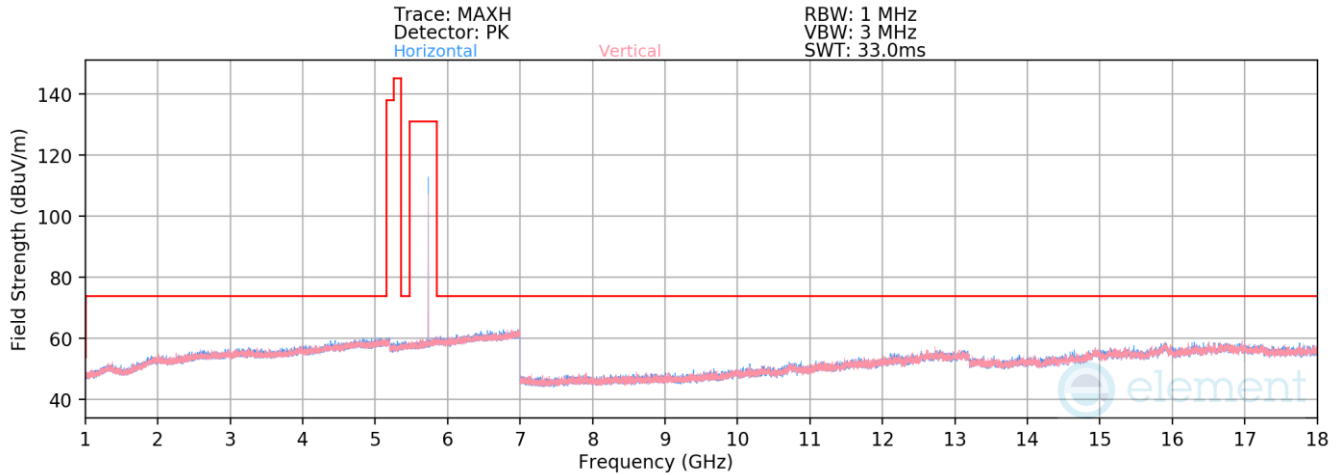
Plot 7-198. Radiated Spurious Emissions 1-18GHz Antenna WF2 (NB UNII HDR4 ePA – 5245MHz)

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 [dBμV/m]	Limit [dBμV/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 (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2405200017-08-R1.BCG	Test Dates: 5/20/2024 - 7/26/2024	EUT Type: Tablet Device		Page 146 of 191



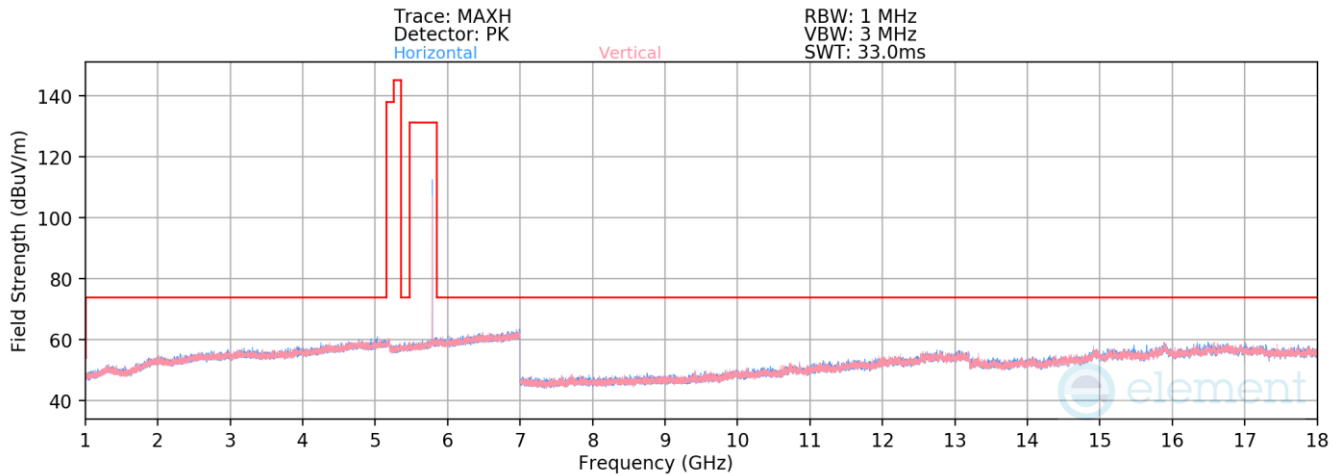
Plot 7-199. Radiated Spurious Emissions 1-18GHz Antenna WF2 (NB UNII BDR ePA – 5733MHz)

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 [dBμV/m]	Limit [dBμV/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 (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-08-R1.BCG	Test Dates: 5/20/2024 - 7/26/2024	EUT Type: Tablet Device	Page 147 of 191



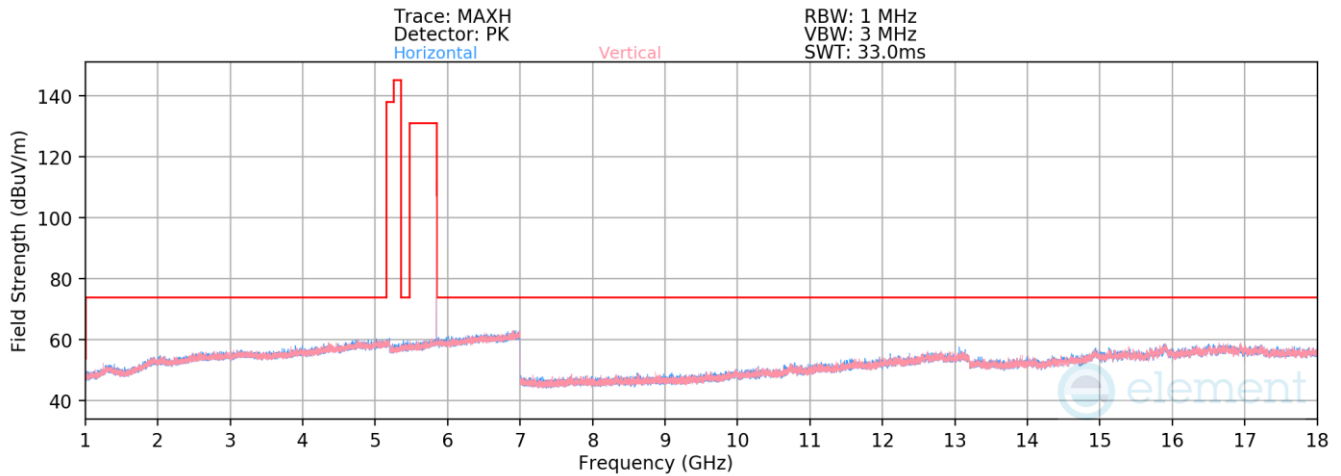
Plot 7-200. Radiated Spurious Emissions 1-18GHz Antenna WF2 (NB UNII BDR ePA – 5789MHz)

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 [dBμV/m]	Limit [dBμV/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 (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-08-R1.BCG	Test Dates: 5/20/2024 - 7/26/2024	EUT Type: Tablet Device	Page 148 of 191



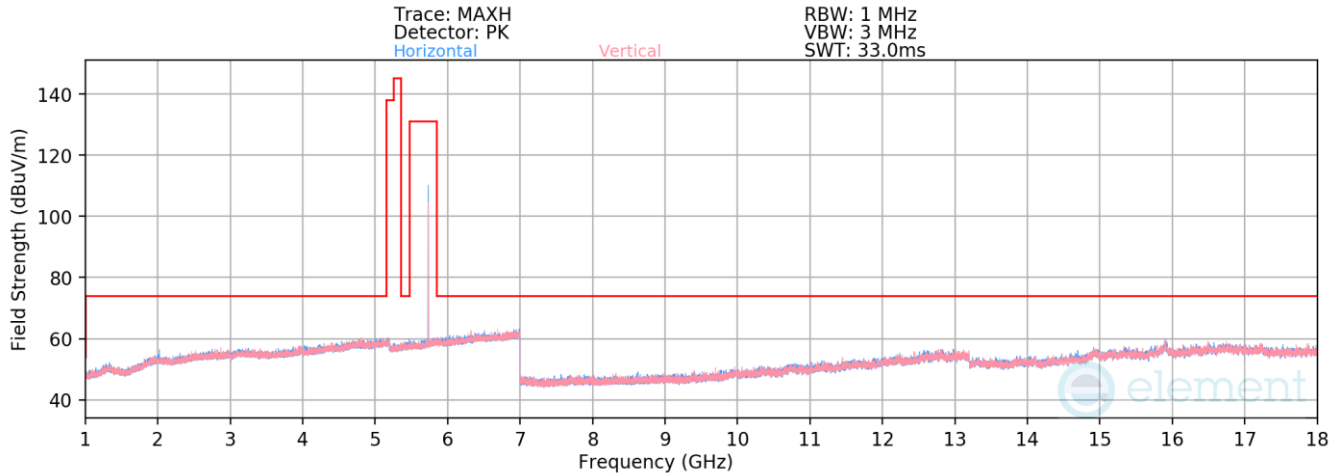
Plot 7-201. Radiated Spurious Emissions 1-18GHz Antenna WF2 (NB UNII BDR ePA – 5844MHz)

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 [dBμV/m]	Limit [dBμV/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 (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-08-R1.BCG	Test Dates: 5/20/2024 - 7/26/2024	EUT Type: Tablet Device	Page 149 of 191



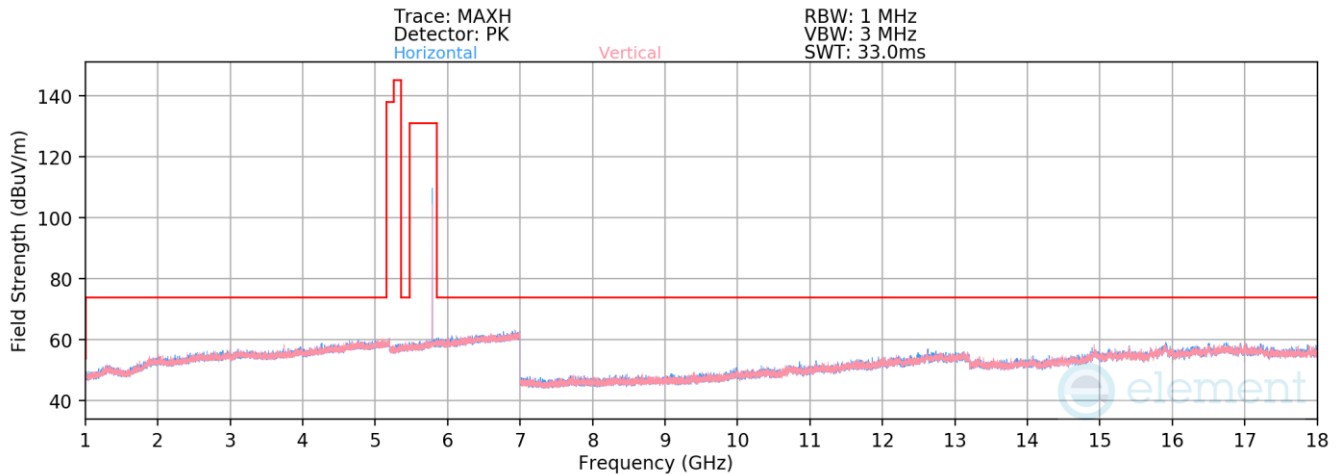
Plot 7-202. Radiated Spurious Emissions 1-18GHz Antenna WF2 (NB UNII HDR4 ePA – 5733MHz)

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 [dBμV/m]	Limit [dBμV/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 (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-08-R1.BCG	Test Dates: 5/20/2024 - 7/26/2024	EUT Type: Tablet Device	Page 150 of 191



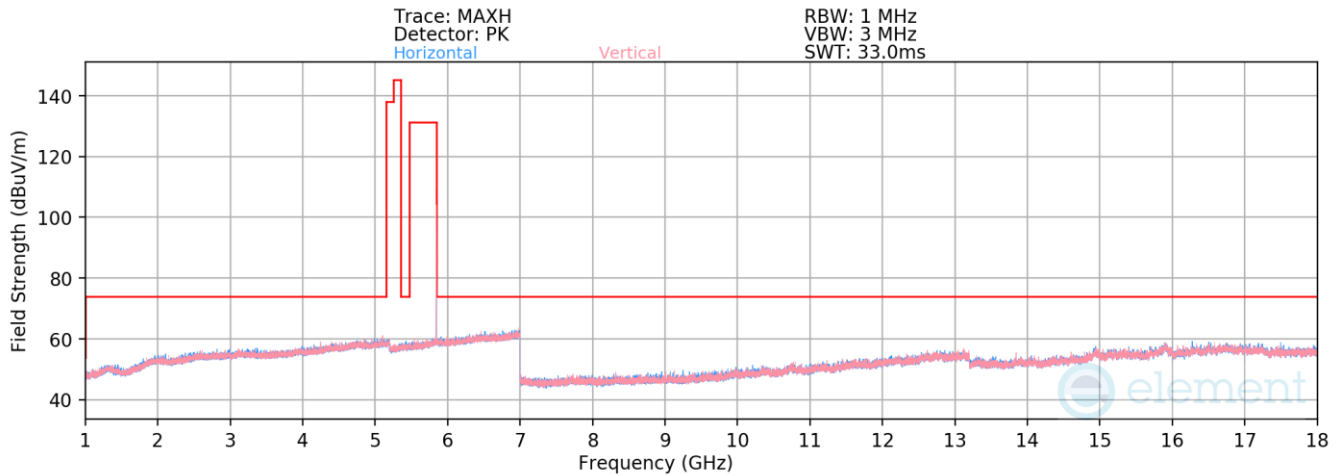
Plot 7-203. Radiated Spurious Emissions 1-18GHz Antenna WF2 (NB UNII HDR4 ePA – 5789MHz)

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 [dBμV/m]	Limit [dBμV/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 (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405200017-08-R1.BCG	Test Dates: 5/20/2024 - 7/26/2024	EUT Type: Tablet Device	Page 151 of 191



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

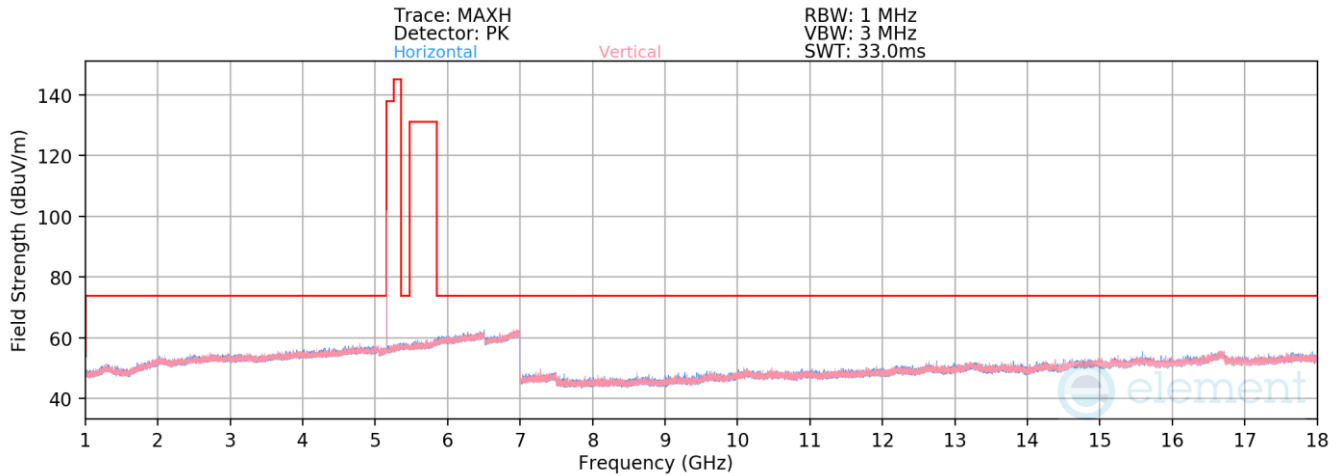
Mode: HDR4
 Data Rate: 4Mbps
 Power Scheme: ePA
 Distance of Measurements: 3 Meters
 Operating Frequency: 5844MHz

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/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 (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2405200017-08-R1.BCG	Test Dates: 5/20/2024 - 7/26/2024	EUT Type: Tablet Device		Page 152 of 191

7.6.3 TxBF



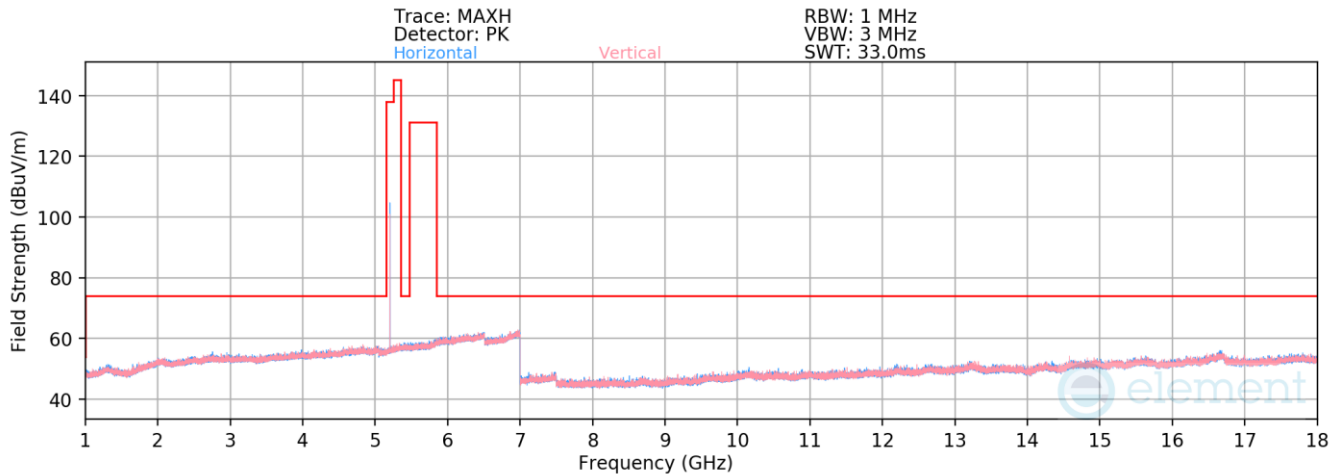
Plot 7-205. Radiated Spurious Emissions 1-18GHz TxBF (NB UNII BDR ePA – 5162MHz)

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

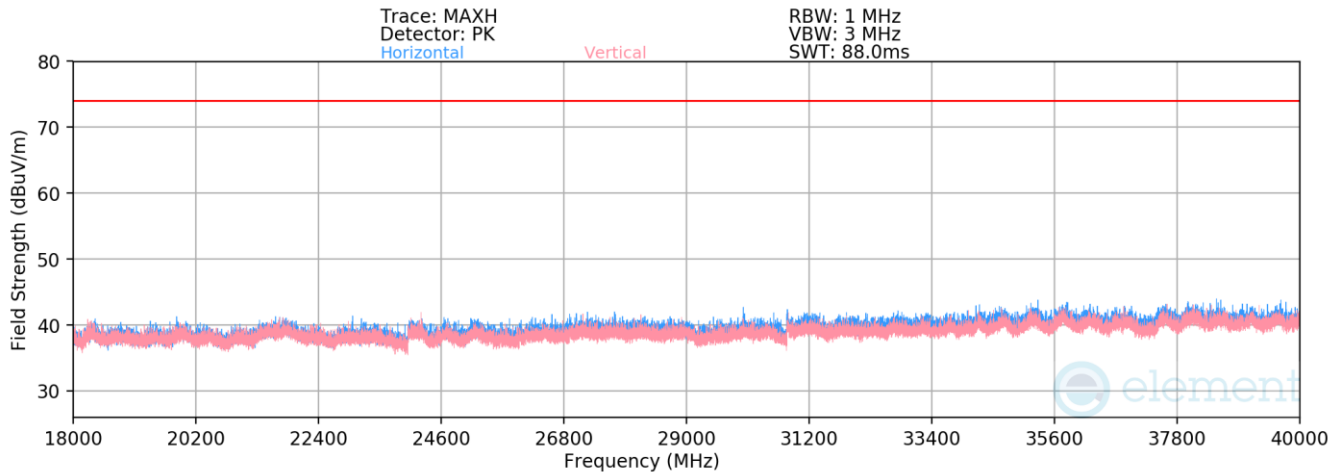
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
10324.00	Peak	V	-	-	-67.11	7.93	47.82	68.23	-20.41
* 15486.00	Avg	V	-	-	-80.45	15.60	42.15	53.98	-11.83
* 15486.00	Peak	V	-	-	-69.69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

Table 7-40. Radiated Spurious Emissions Measurements TxBF

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



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 (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2405200017-08-R1.BCG	Test Dates: 5/20/2024 - 7/26/2024	EUT Type: Tablet Device		Page 154 of 191