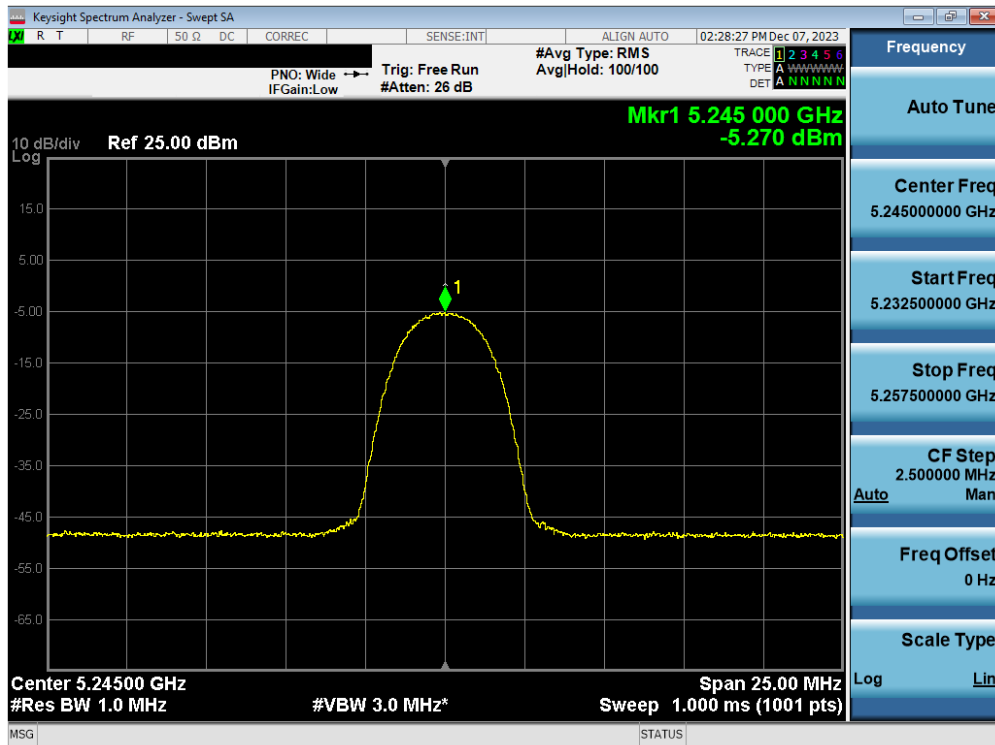
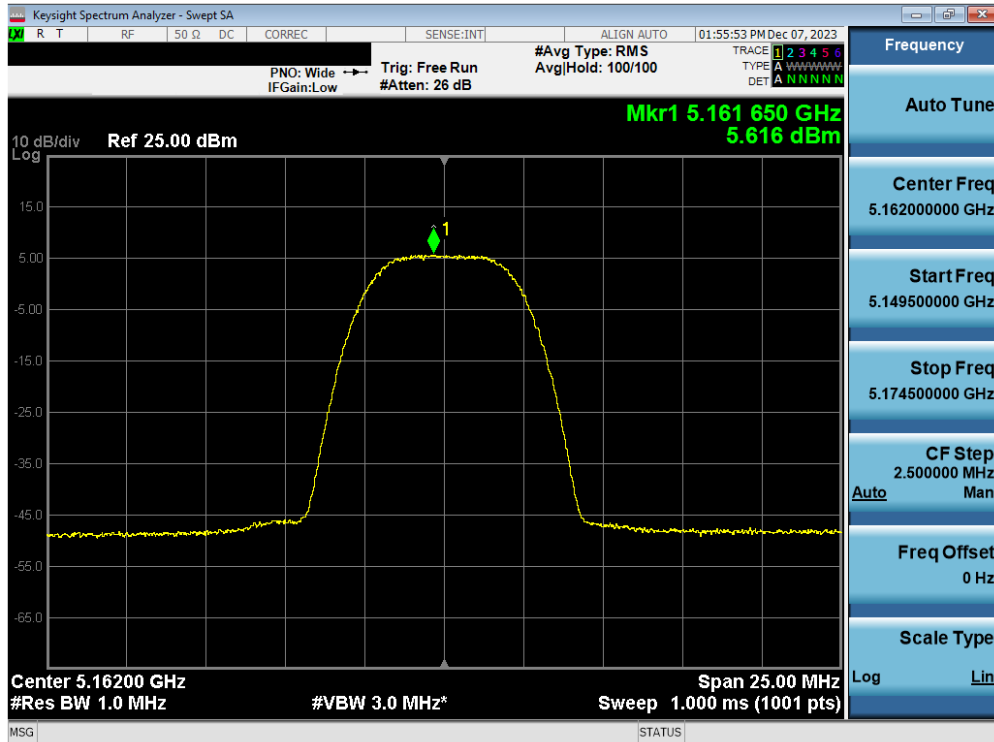


Plot 7-119. FCC/ISED PSD TxBF Antenna 5T (HDR4, iPA- 5245MHz)

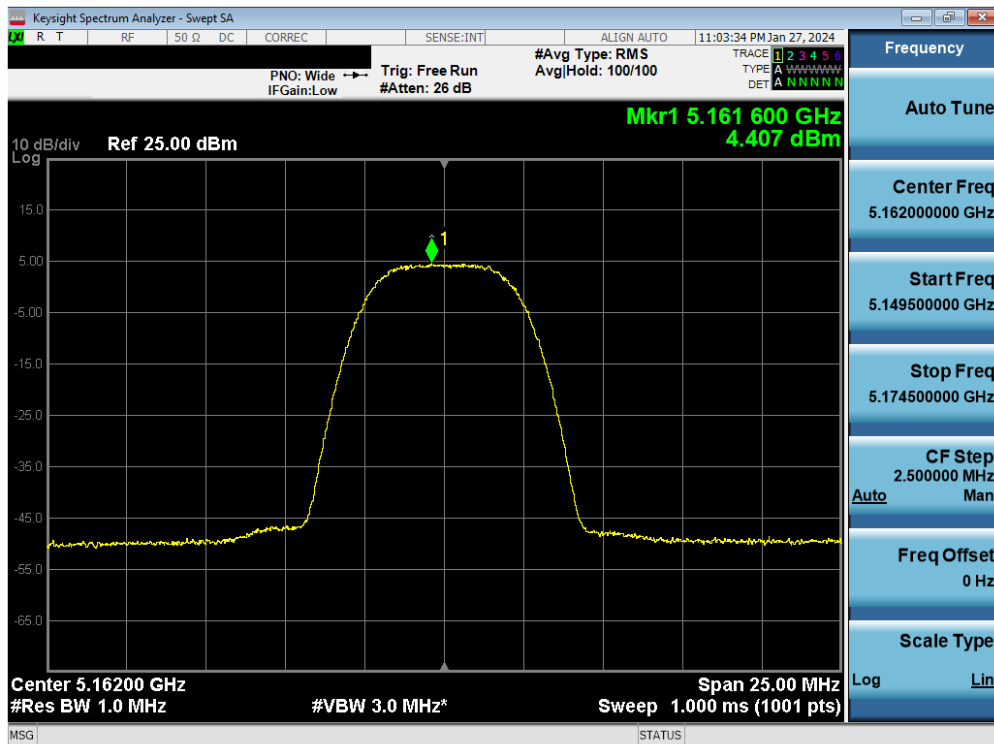


Plot 7-120. FCC/ISED PSD TxBF Antenna 3b (HDR4, iPA- 5245MHz)

| | | | |
|--|---------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2899 IC: 579C-A2899 | | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 100 of 175 |

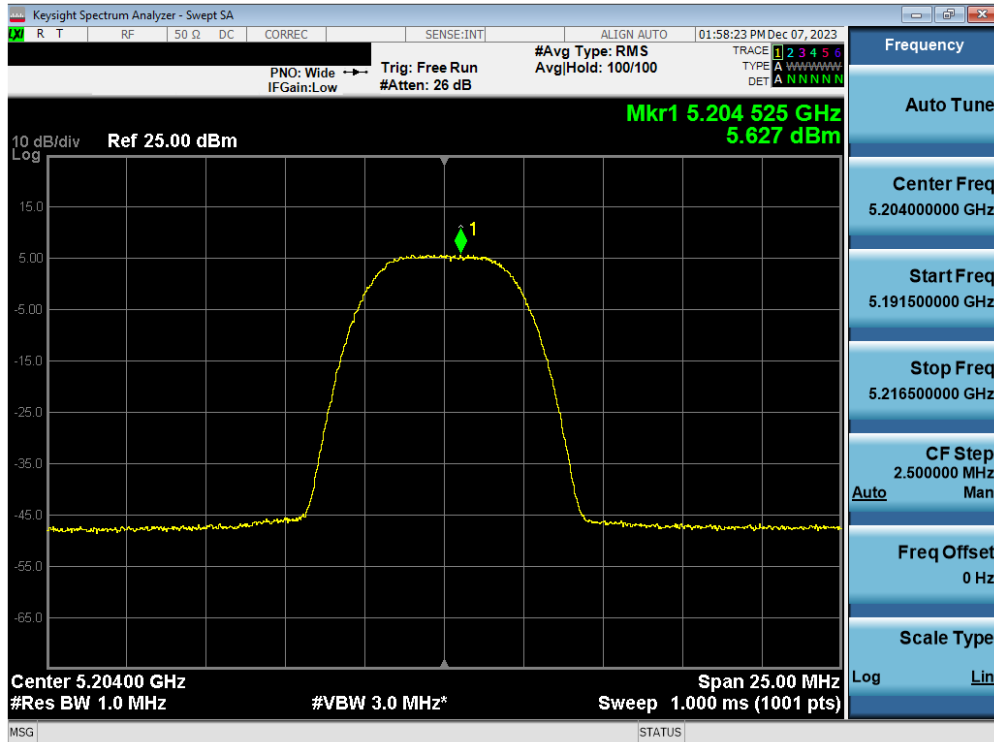


Plot 7-121. FCC PSD TxBF Antenna 5T (HDR8, ePA – 5162MHz)

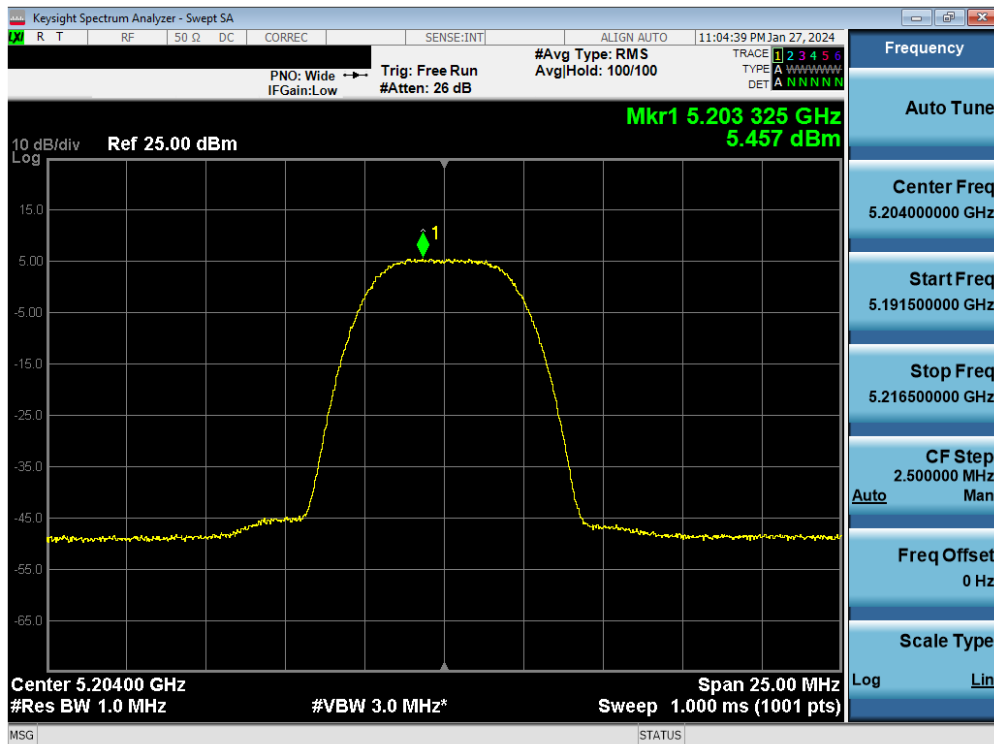


Plot 7-122. FCC PSD TxBF Antenna 3b (HDR8, ePA – 5162MHz)

| | | | |
|--|---------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2899 IC: 579C-A2899 | | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 101 of 175 |

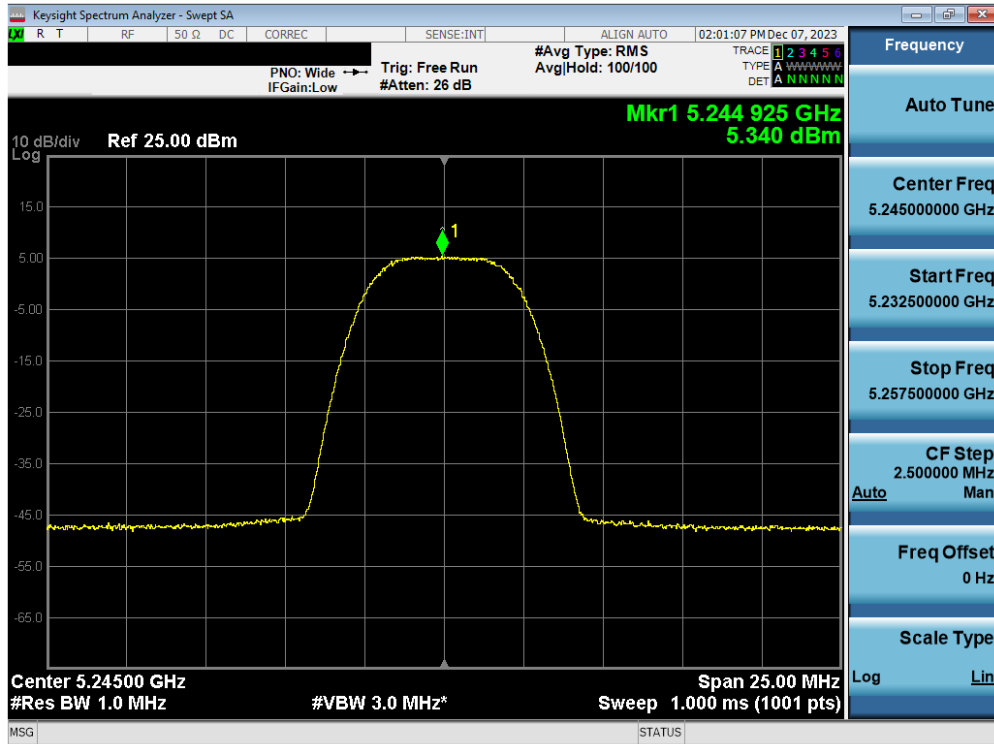


Plot 7-123. FCC PSD TxBF Antenna 5T (HDR8, ePA – 5204MHz)

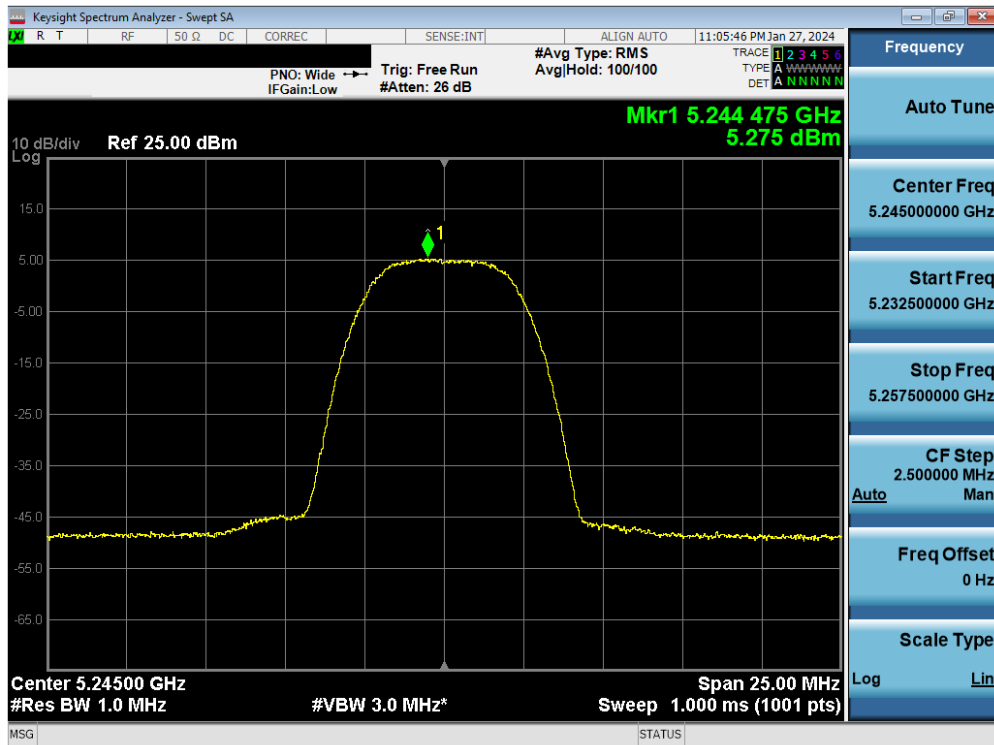


Plot 7-124. FCC PSD TxBF Antenna 3b (HDR8, ePA – 5204MHz)

| | | | |
|--|---------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2899 IC: 579C-A2899 | | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 102 of 175 |

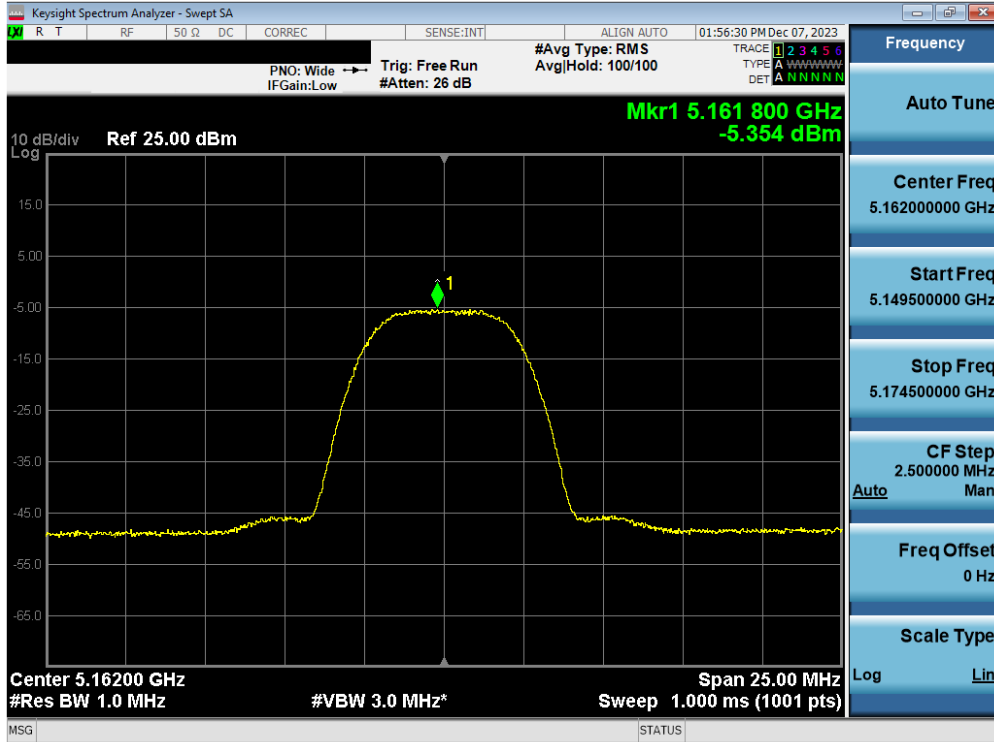


Plot 7-125. FCC PSD TxBF Antenna 5T (HDR8, ePA- 5245MHz)

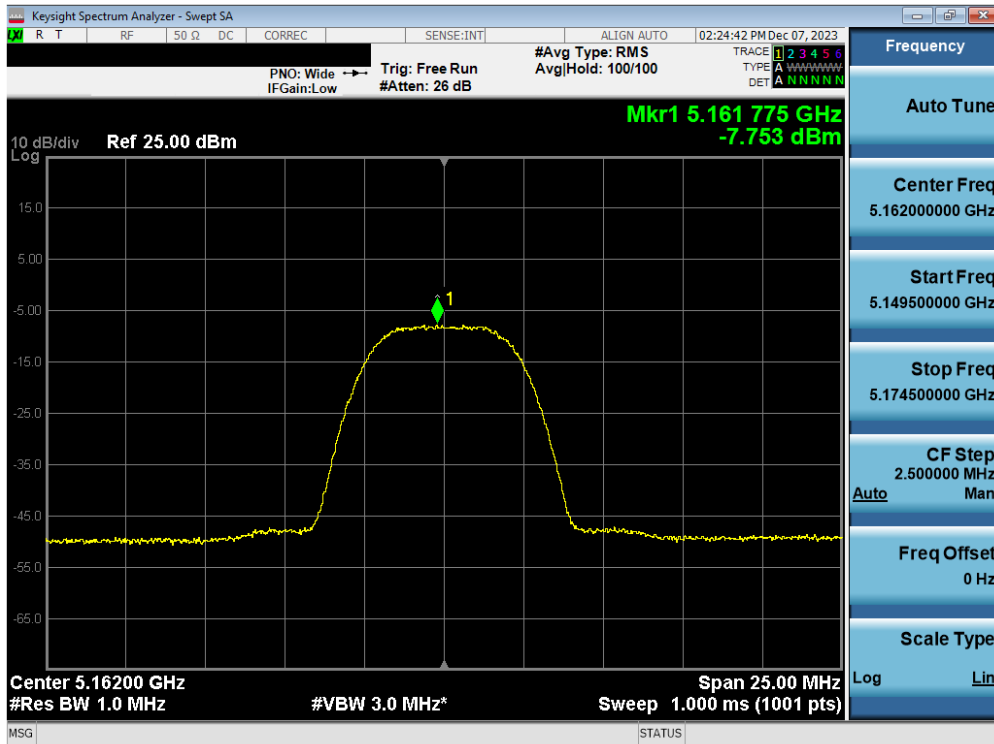


Plot 7-126. FCC PSD TxBF Antenna 3b (HDR8, ePA- 5245MHz)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 103 of 175 |

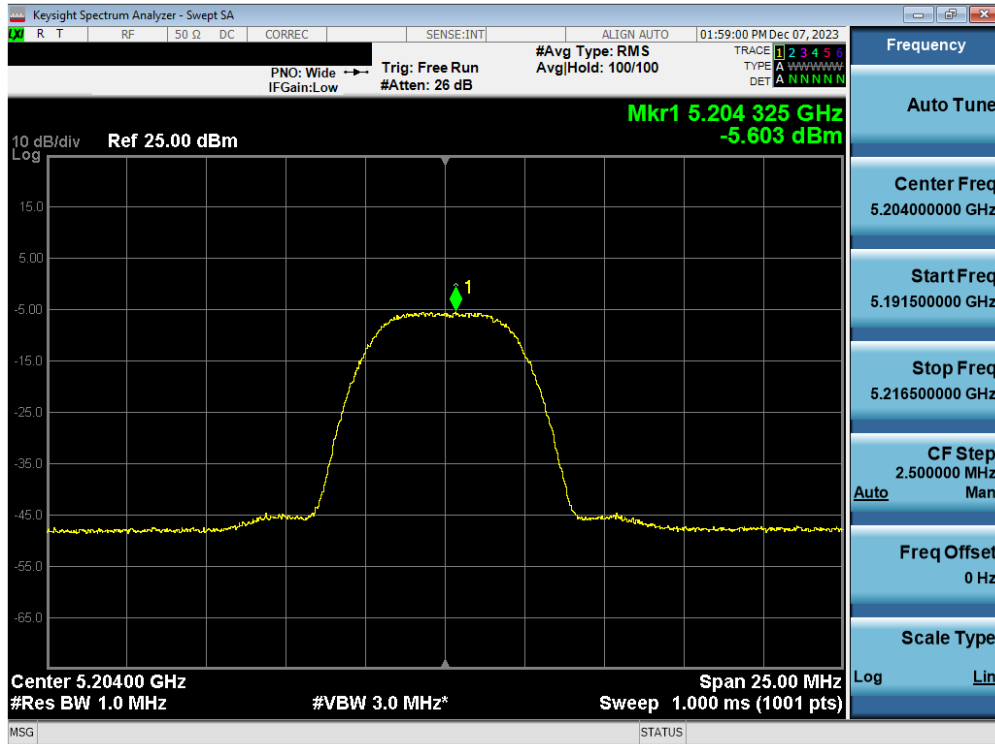


Plot 7-127. FCC/ISED PSD TxBF Antenna 5T (HDR8, iPA – 5162MHz)

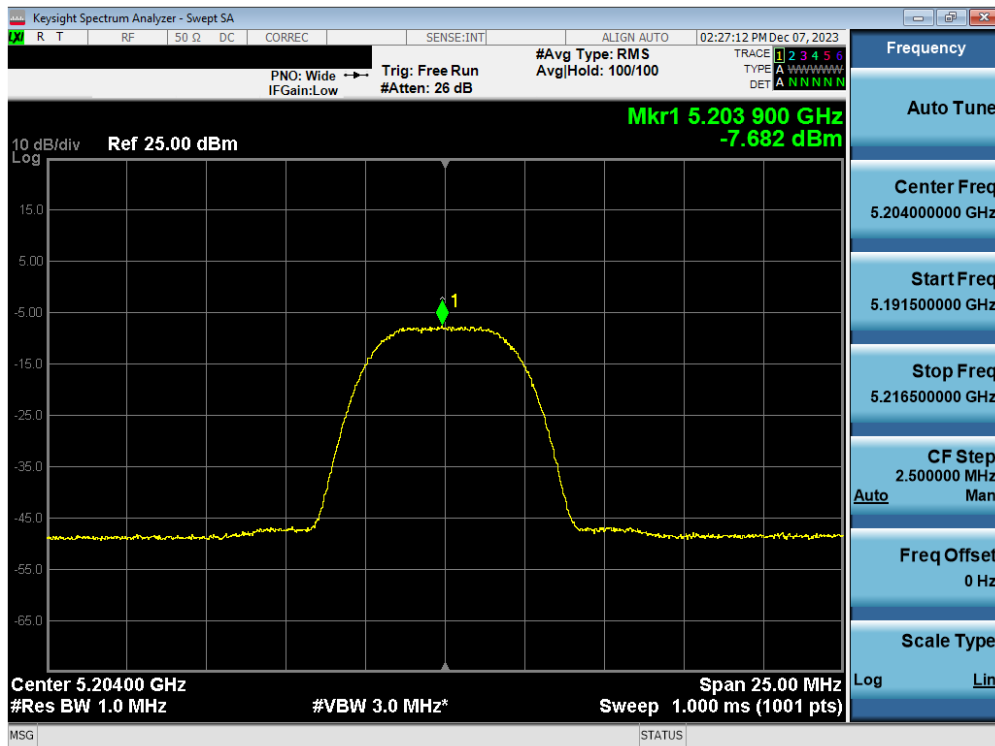


Plot 7-128. FCC/ISED PSD TxBF Antenna 3b (HDR8, iPA – 5162MHz)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 104 of 175 |

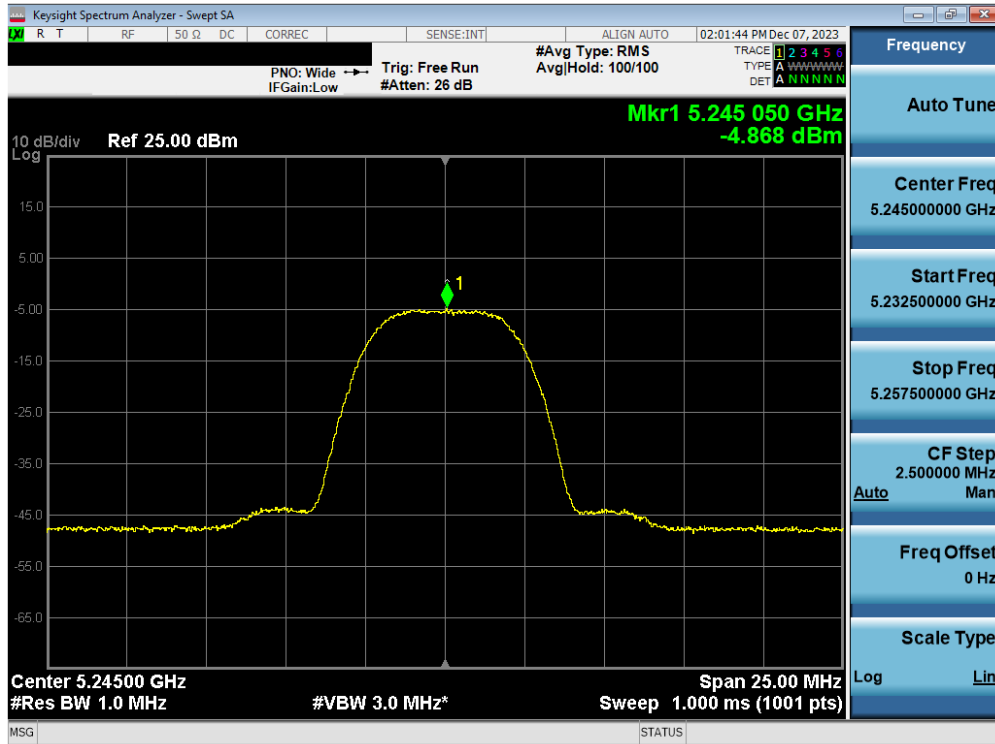


Plot 7-129. FCC/ISED PSD TxBF Antenna 5T (HDR8, iPA – 5204MHz)

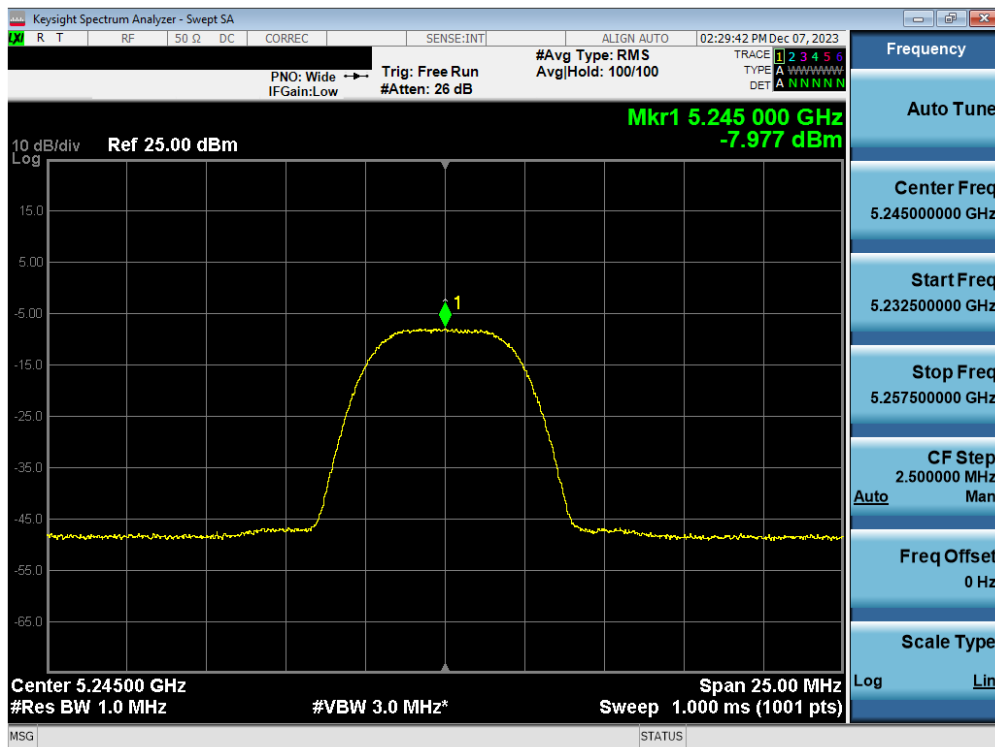


Plot 7-130. FCC/ISED PSD TxBF Antenna 3b (HDR8, iPA – 5204MHz)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 105 of 175 |

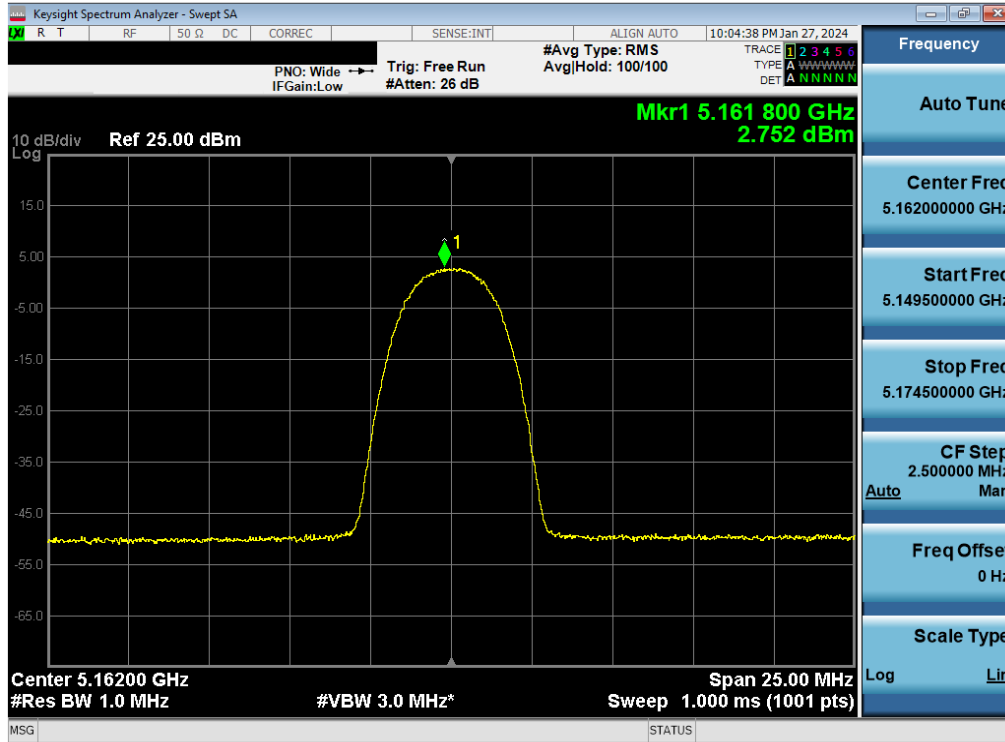


Plot 7-131. FCC/ISED PSD TxBF Antenna 5T (HDR8, iPA- 5245MHz)

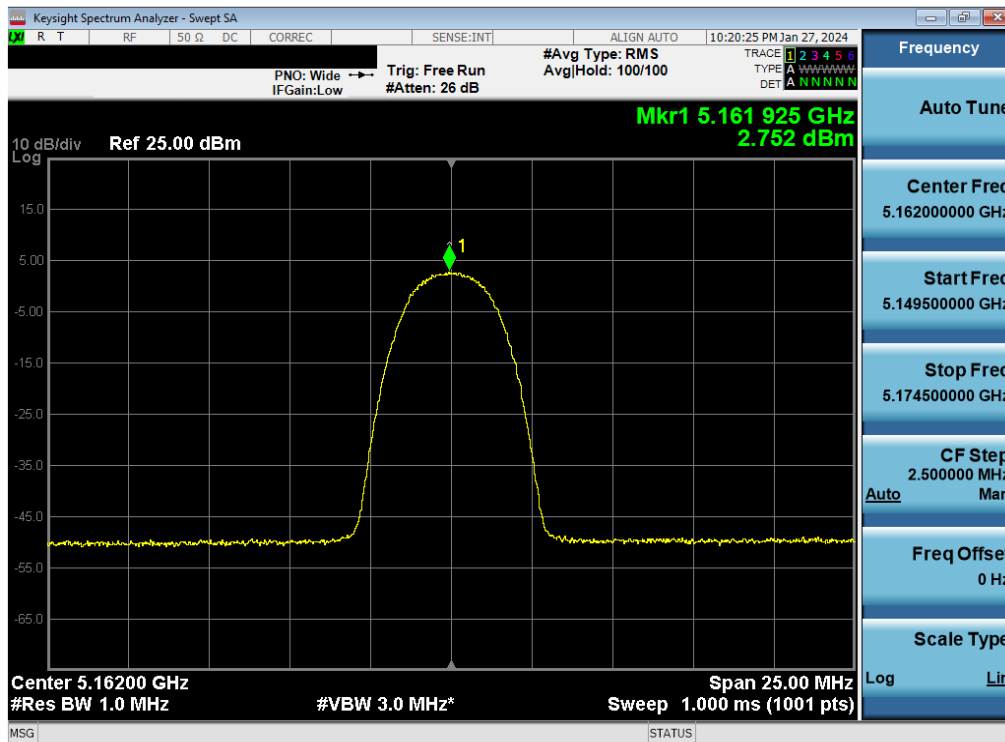


Plot 7-132. FCC/ISED PSD TxBF Antenna 3b (HDR8, iPA- 5245MHz)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 106 of 175 |

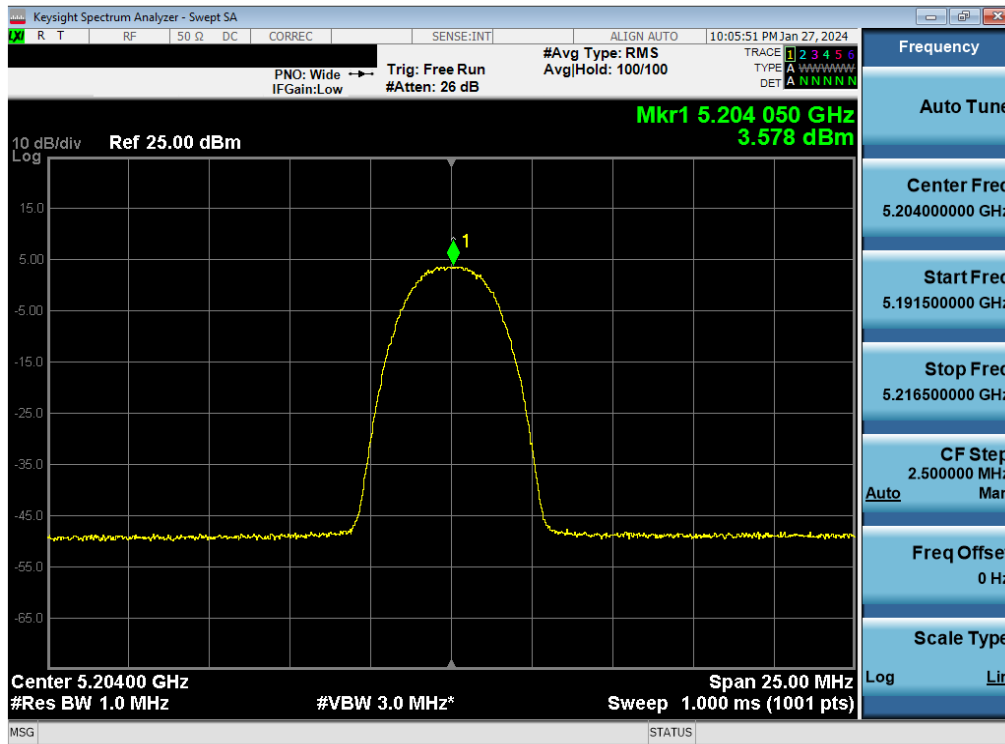


Plot 7-133. ISED PSD TxBF Antenna 5T (HDR4, ePA – 5162MHz)

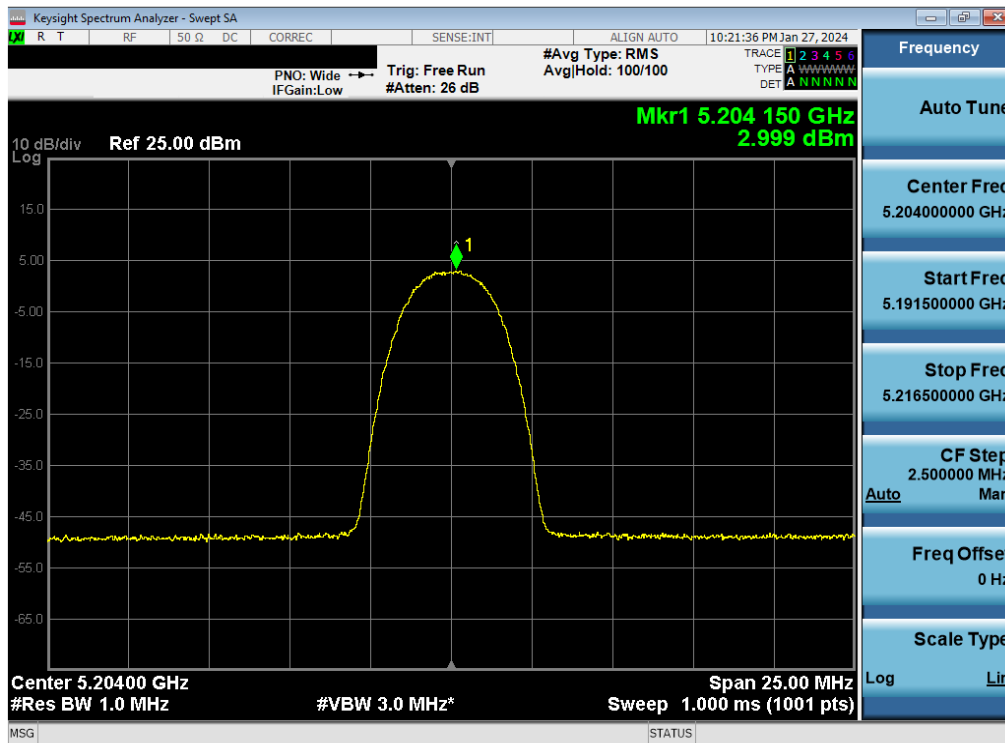


Plot 7-134. ISED PSD TxBF Antenna 3b (HDR4, ePA – 5162MHz)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 107 of 175 |

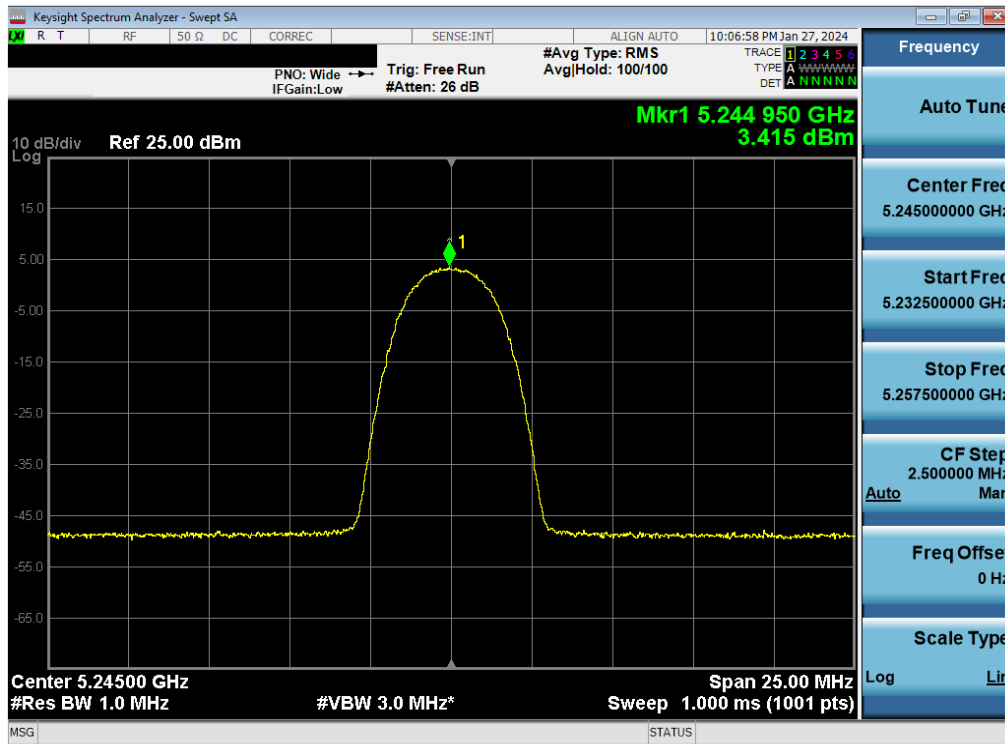


Plot 7-135. ISED PSD TxBF Antenna 5T (HDR4, ePA – 5204MHz)

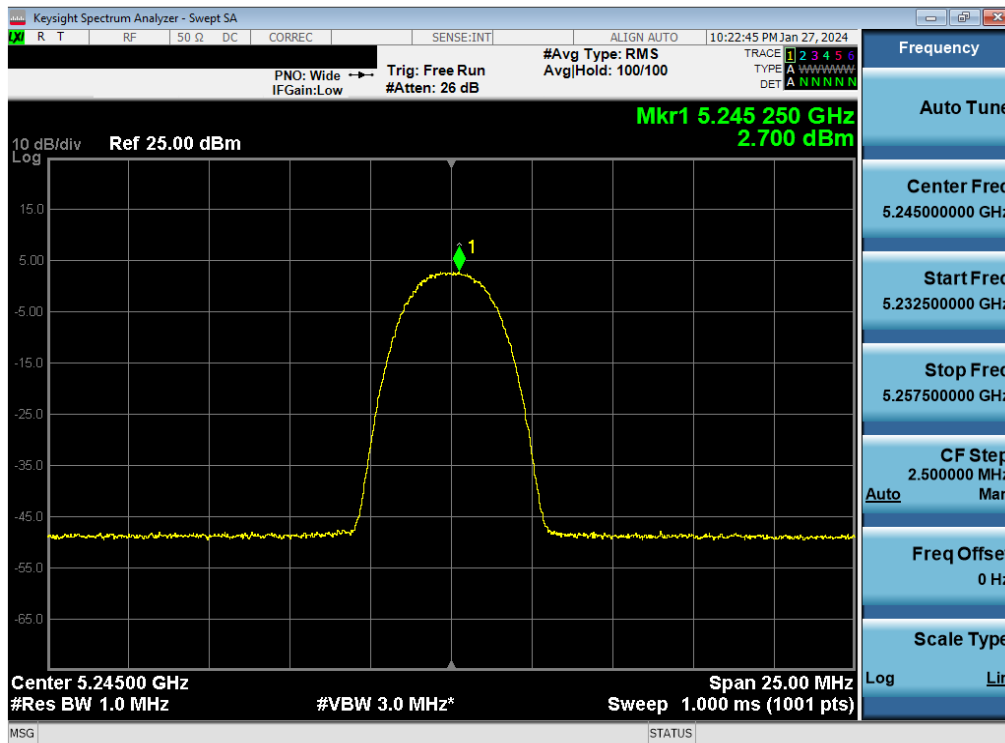


Plot 7-136. ISED PSD TxBF Antenna 3b (HDR4, ePA – 5204MHz)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 108 of 175 |

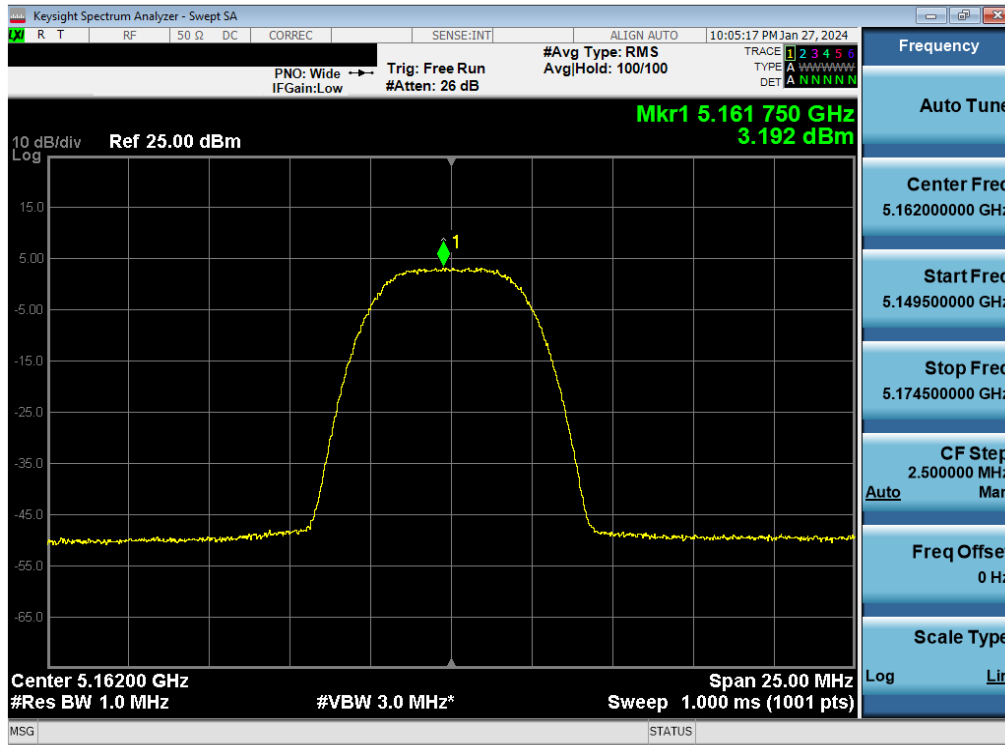


Plot 7-137. ISED PSD TxBF Antenna 5T (HDR4, ePA- 5245MHz)

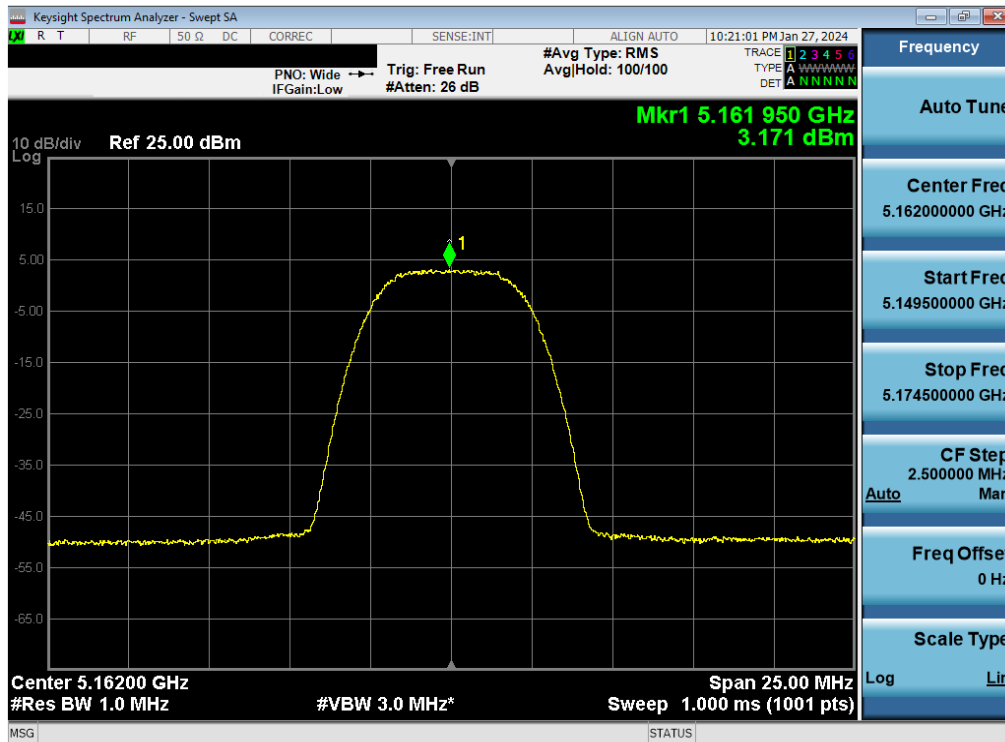


Plot 7-138. ISED PSD TxBF Antenna 3b (HDR4, ePA - 5245MHz)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 109 of 175 |

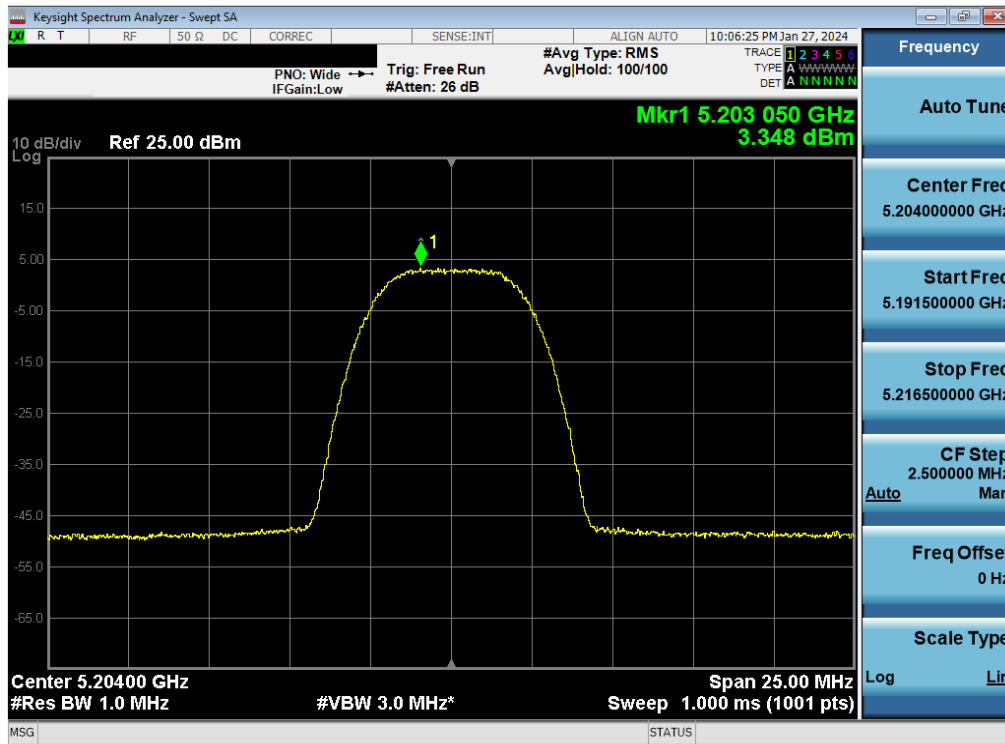


Plot 7-139. ISED PSD TxBF Antenna 5T (HDR8, ePA – 5162MHz)

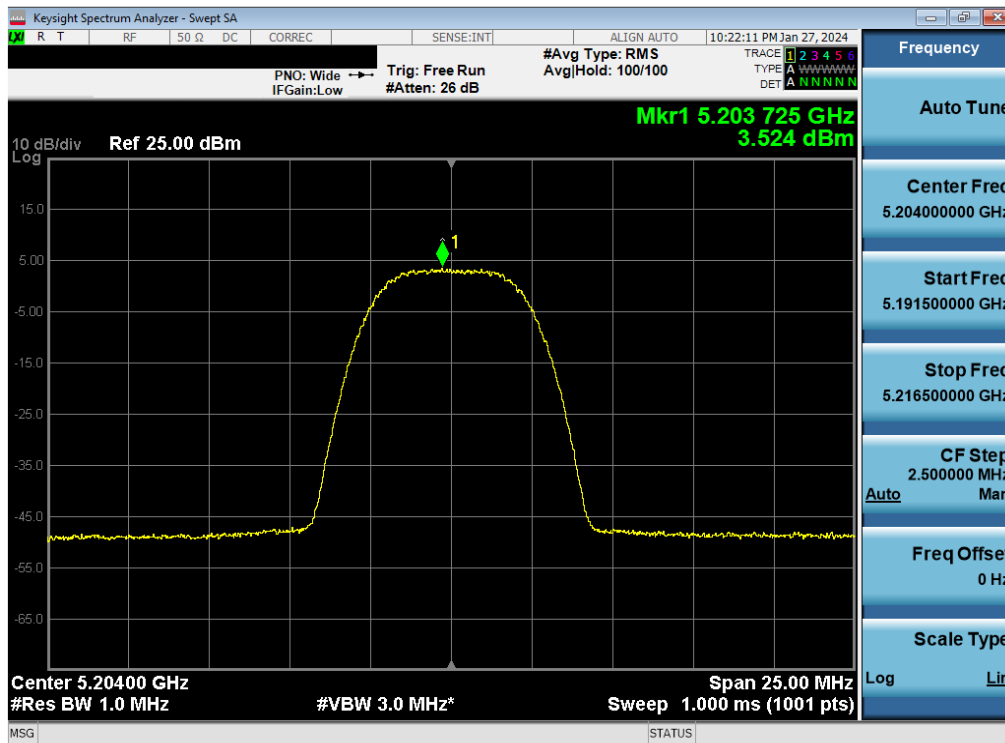


Plot 7-140. ISED PSD TxBF Antenna 3b (HDR8, ePA – 5162MHz)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 110 of 175 |

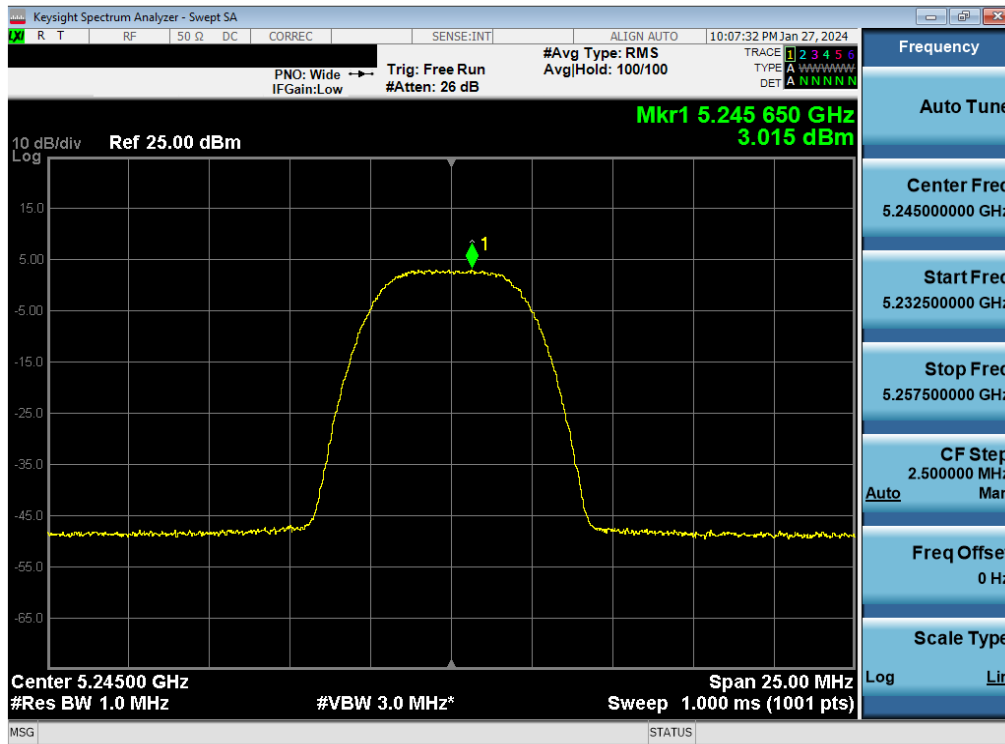


Plot 7-141. ISED PSD TxBF Antenna 5T (HDR8, ePA – 5204MHz)

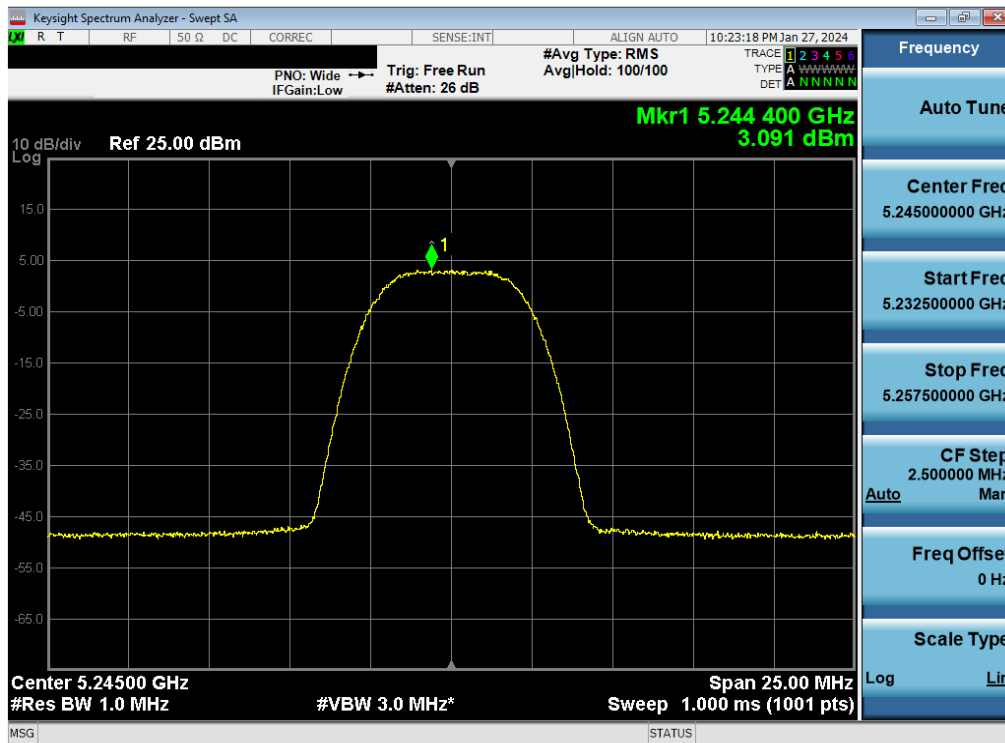


Plot 7-142. ISED PSD TxBF Antenna 3b (HDR8, ePA – 5204MHz)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 111 of 175 |



Plot 7-143. ISED PSD TxBF Antenna 5T (HDR8, ePA- 5245MHz)

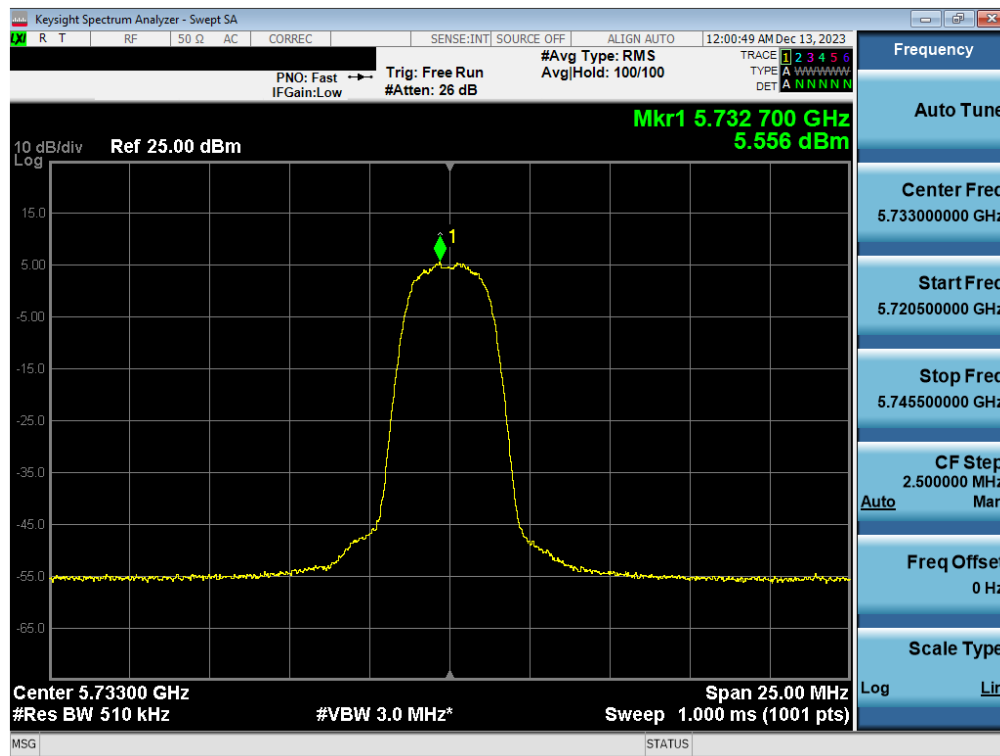


Plot 7-144. ISED PSD TxBF Antenna 3b (HDR8, ePA- 5245MHz)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 112 of 175 |

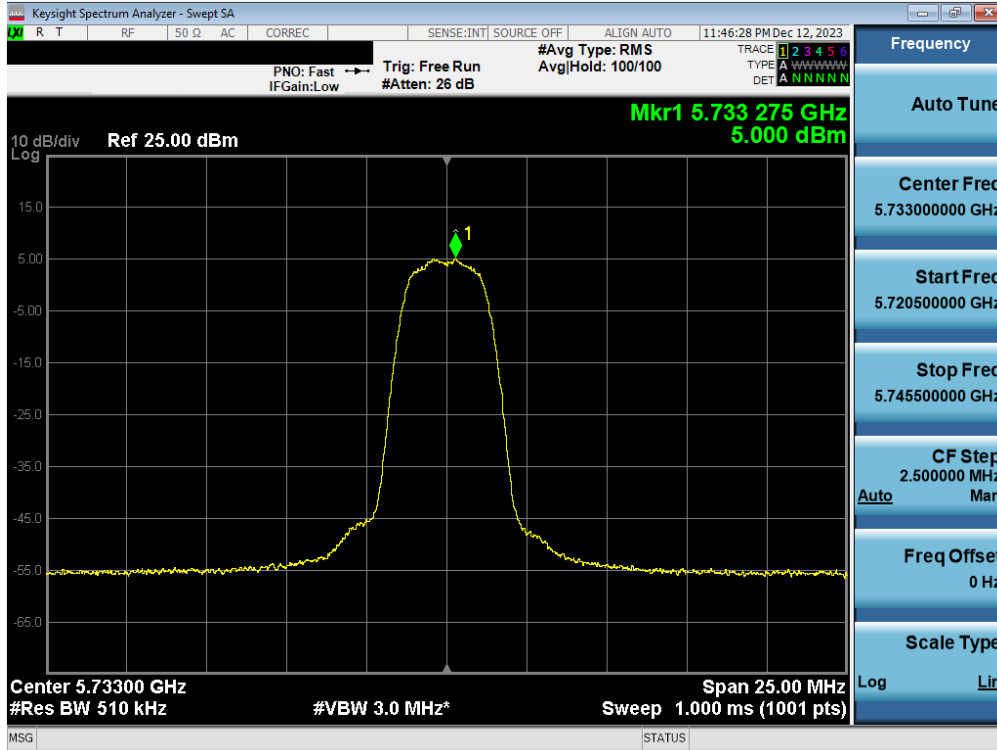
| | Frequency [MHz] | Data Rate [Mbps] | Mode | Power Scheme | Antenna 5T Power Density [dBm/500MHz] | Antenna 3b Power Density [dBm/500MHz] | Summed Power Density [dBm/500kHz] | Max Permissible Power Density [dBm/500kHz] | Margin [dB] |
|--------|-----------------|------------------|------|--------------|---------------------------------------|---------------------------------------|-----------------------------------|--|-------------|
| Band 3 | 5733 | 4.0 | HDR4 | ePA | 5.56 | 5.00 | 8.30 | 30.00 | -21.70 |
| | 5789 | 4.0 | HDR4 | ePA | 5.76 | 4.96 | 8.39 | 30.00 | -21.61 |
| | 5844 | 4.0 | HDR4 | ePA | 4.87 | 5.28 | 8.09 | 30.00 | -21.91 |
| | 5733 | 4.0 | HDR4 | iPA | -6.46 | -7.92 | -4.12 | 30.00 | -34.12 |
| | 5789 | 4.0 | HDR4 | iPA | -6.58 | -7.96 | -4.20 | 30.00 | -34.20 |
| | 5844 | 4.0 | HDR4 | iPA | -6.09 | -8.25 | -4.03 | 30.00 | -34.03 |
| | 5733 | 8.0 | HDR8 | ePA | 2.31 | 1.94 | 5.14 | 30.00 | -24.86 |
| | 5789 | 8.0 | HDR8 | ePA | 2.24 | 1.79 | 5.03 | 30.00 | -24.97 |
| | 5844 | 8.0 | HDR8 | ePA | 2.20 | 2.21 | 5.21 | 30.00 | -24.79 |
| | 5733 | 8.0 | HDR8 | iPA | -9.36 | -10.96 | -7.08 | 30.00 | -37.08 |
| | 5789 | 8.0 | HDR8 | iPA | -9.37 | -11.26 | -7.20 | 30.00 | -37.20 |
| | 5844 | 8.0 | HDR8 | iPA | -9.12 | -10.86 | -6.89 | 30.00 | -36.89 |

Table 7-27. Power Spectral Density Measurements TxBF

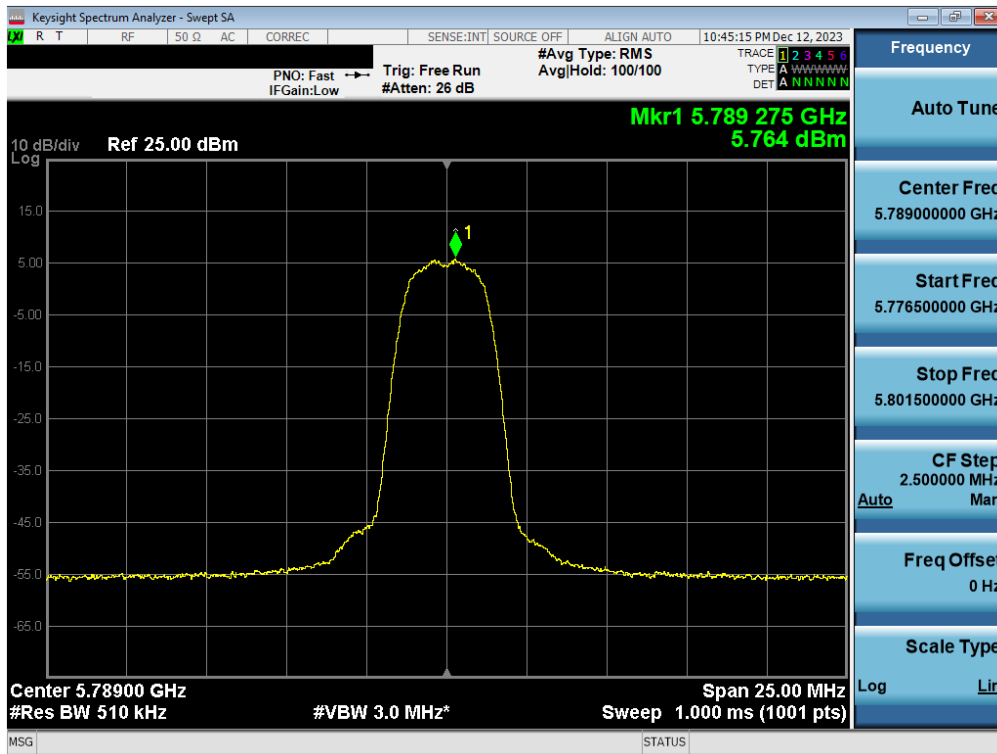


Plot 7-145. PSD TxBF Antenna 5T (HDR4, ePA 5733MHz)

| | | | |
|--|---------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2899 IC: 579C-A2899 | | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 113 of 175 |

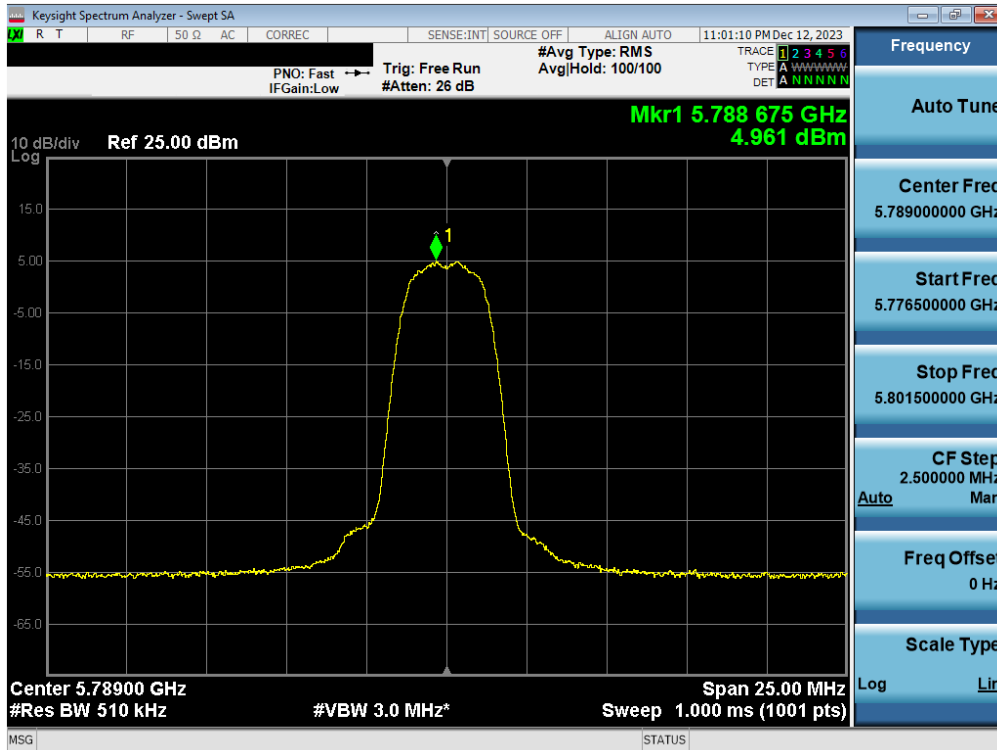


Plot 7-146. PSD TxBF Antenna 3b (HDR4, ePA 5733MHz)

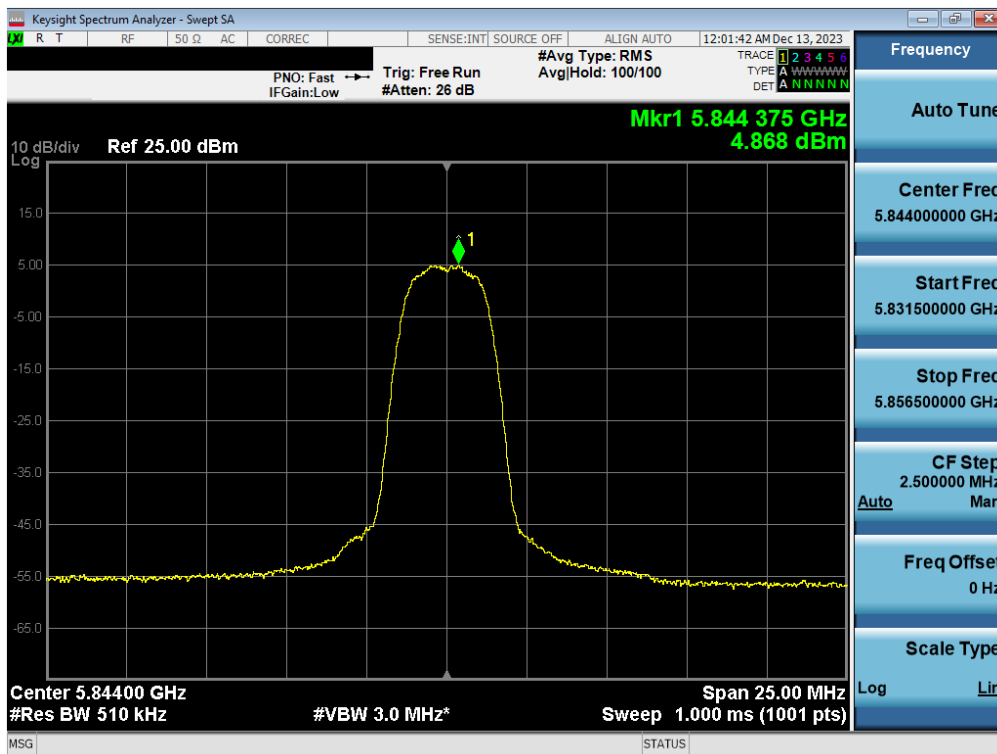


Plot 7-147. PSD TxBF Antenna 5T (HDR4, ePA 5789MHz)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 114 of 175 |

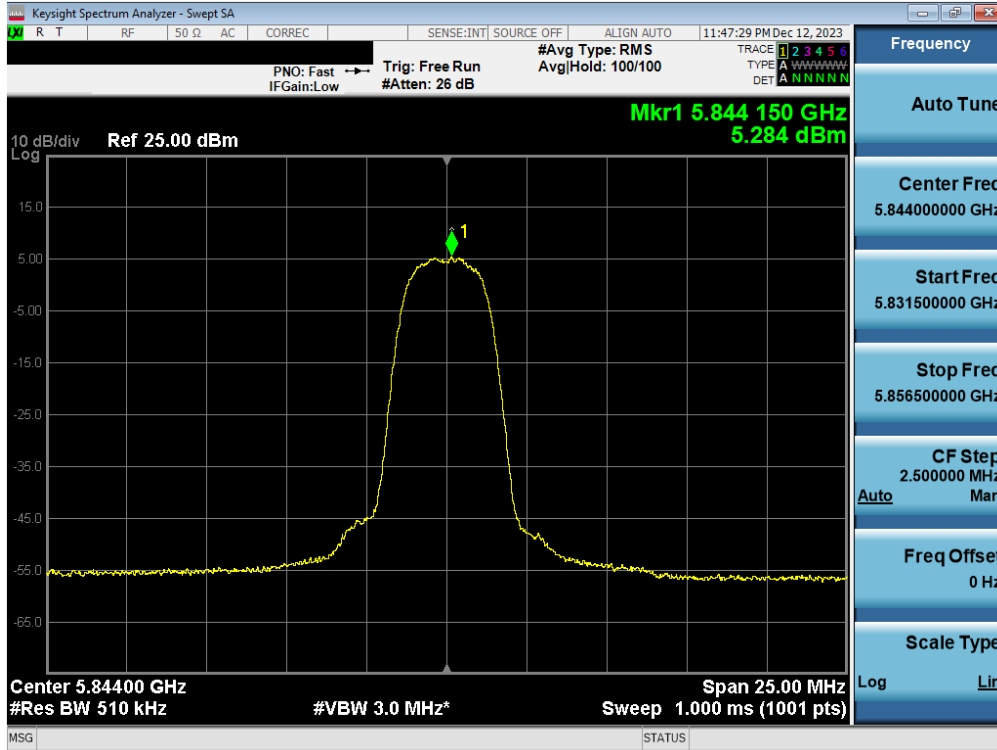


Plot 7-148. PSD TxBF Antenna 3b (HDR4, ePA 5789MHz)

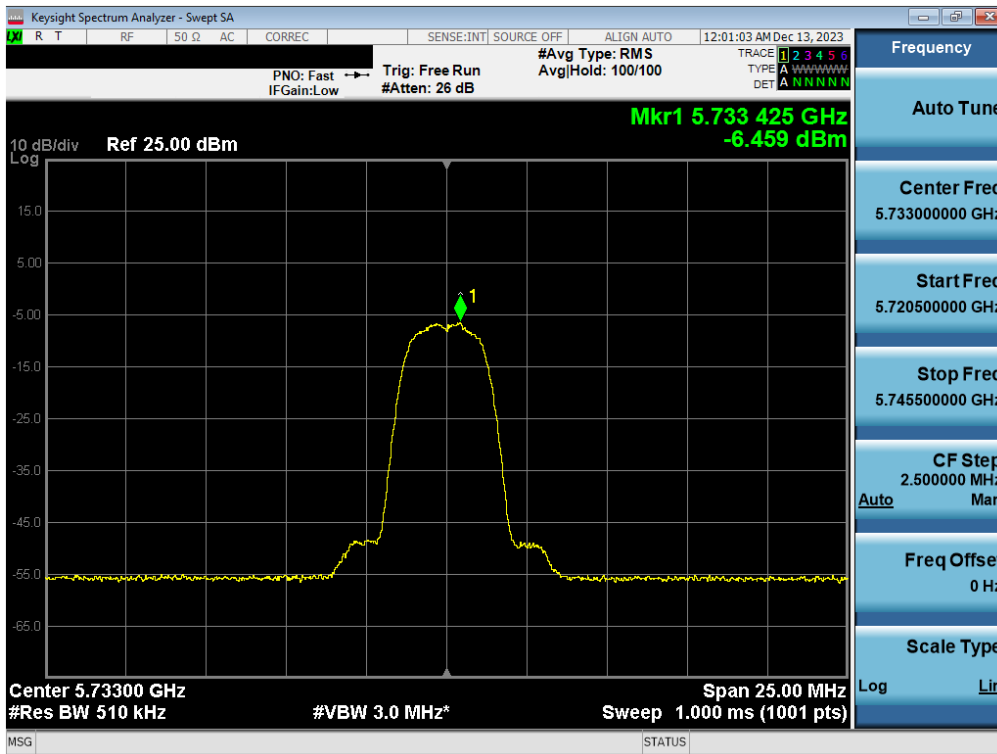


Plot 7-149. PSD TxBF Antenna 5T (HDR4, ePA 5844MHz)

| | | | |
|--|---------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2899 IC: 579C-A2899 | | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 115 of 175 |

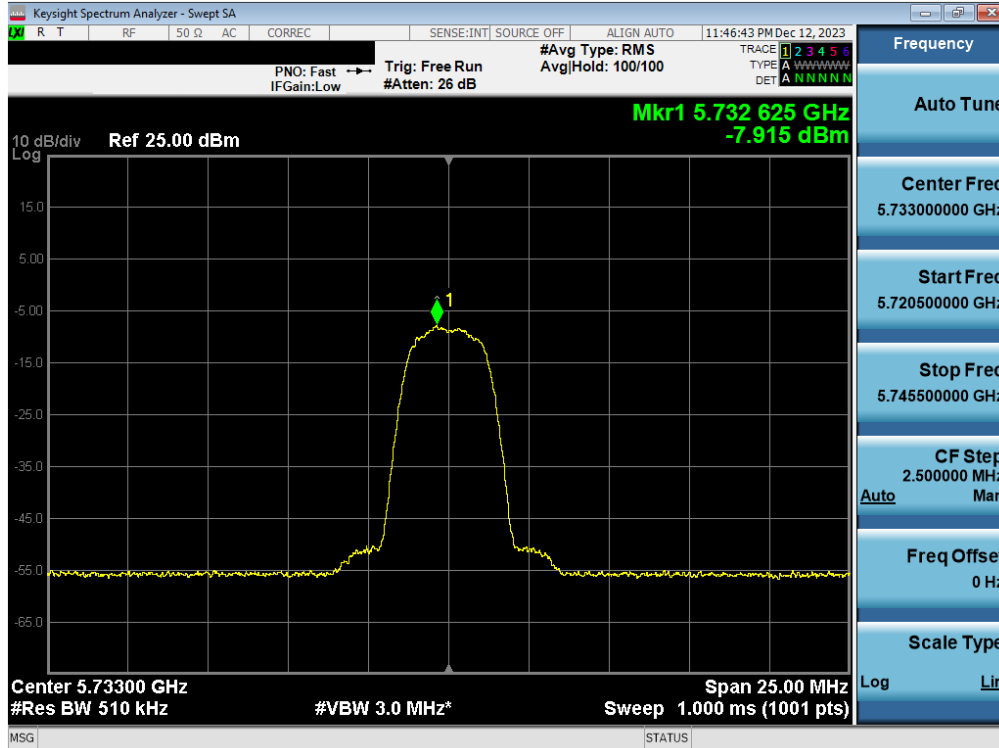


Plot 7-150. PSD TxBF Antenna 3b (HDR4, ePA 5844MHz)

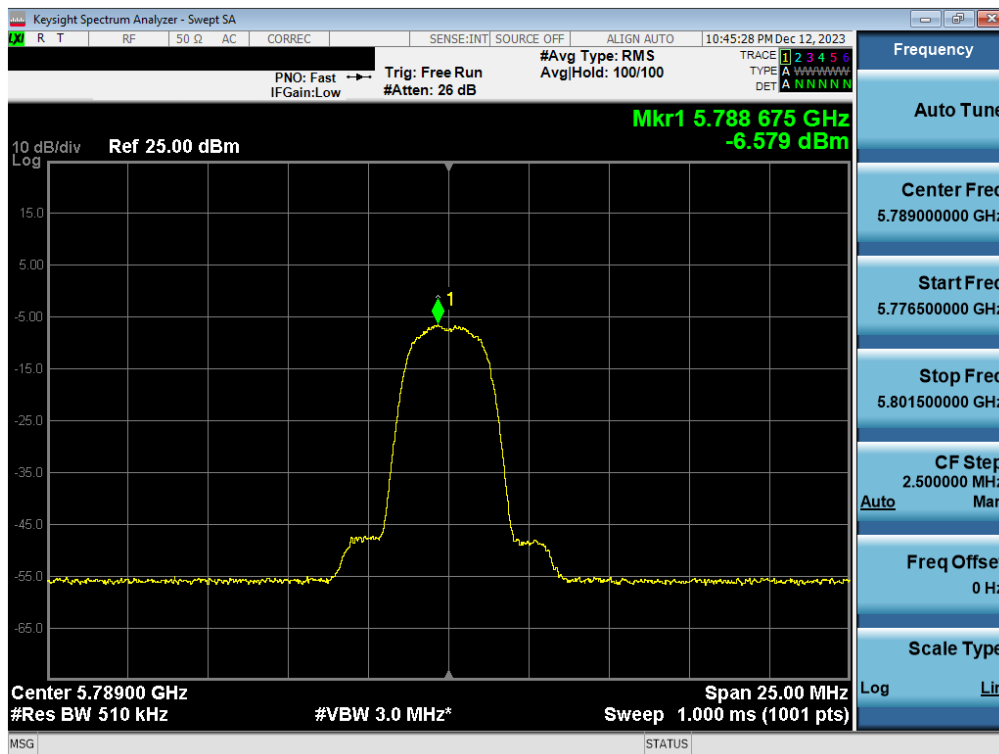


Plot 7-151. PSD TxBF Antenna 5T (HDR4, iPA 5733MHz)

| | | | |
|--|---------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2899 IC: 579C-A2899 | | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 116 of 175 |

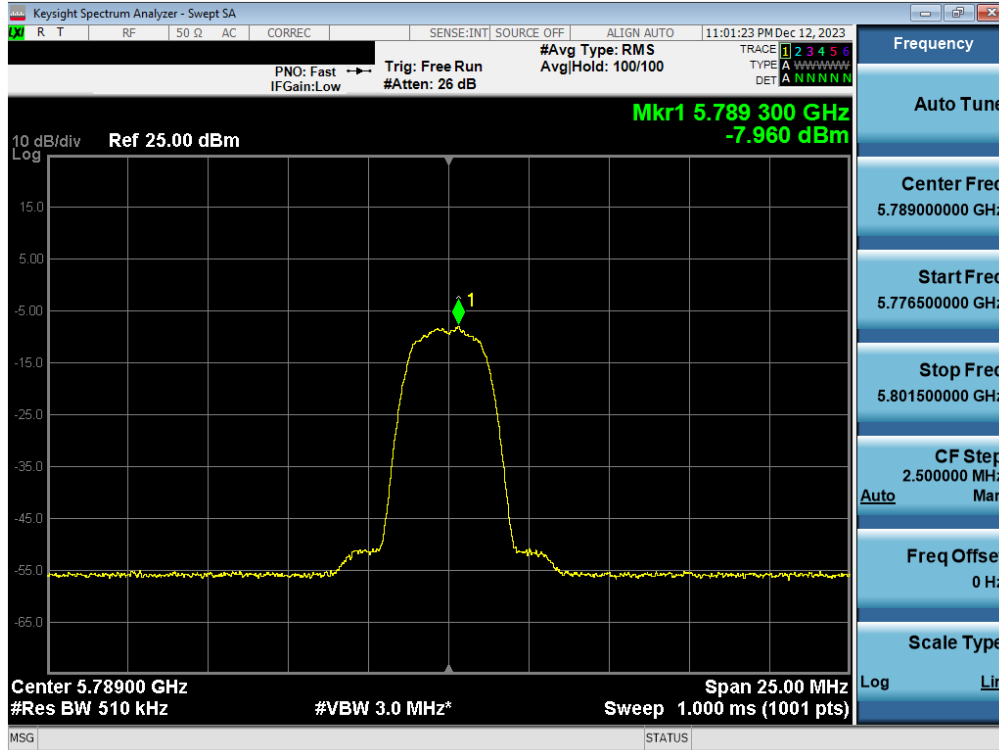


Plot 7-152. PSD TxBF Antenna 3b (HDR4, iPA 5733MHz)

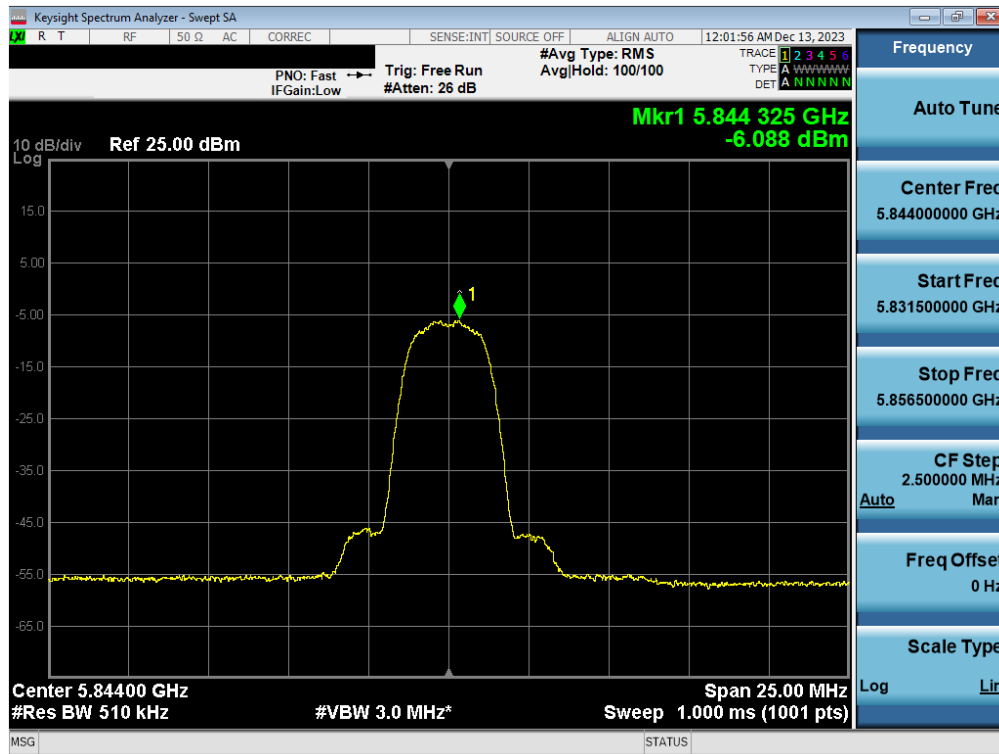


Plot 7-153. PSD TxBF Antenna 5T (HDR4, iPA 5789MHz)

| | | | |
|--|---------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2899 IC: 579C-A2899 | | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 117 of 175 |

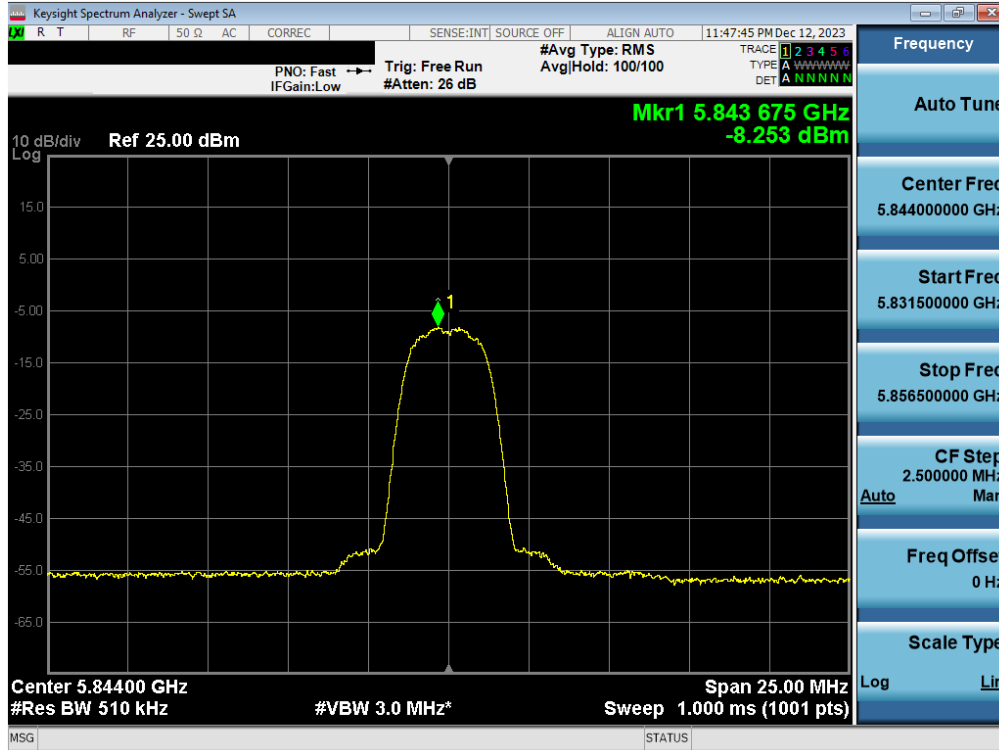


Plot 7-154. PSD TxBF Antenna 3b (HDR4, iPA 5789MHz)

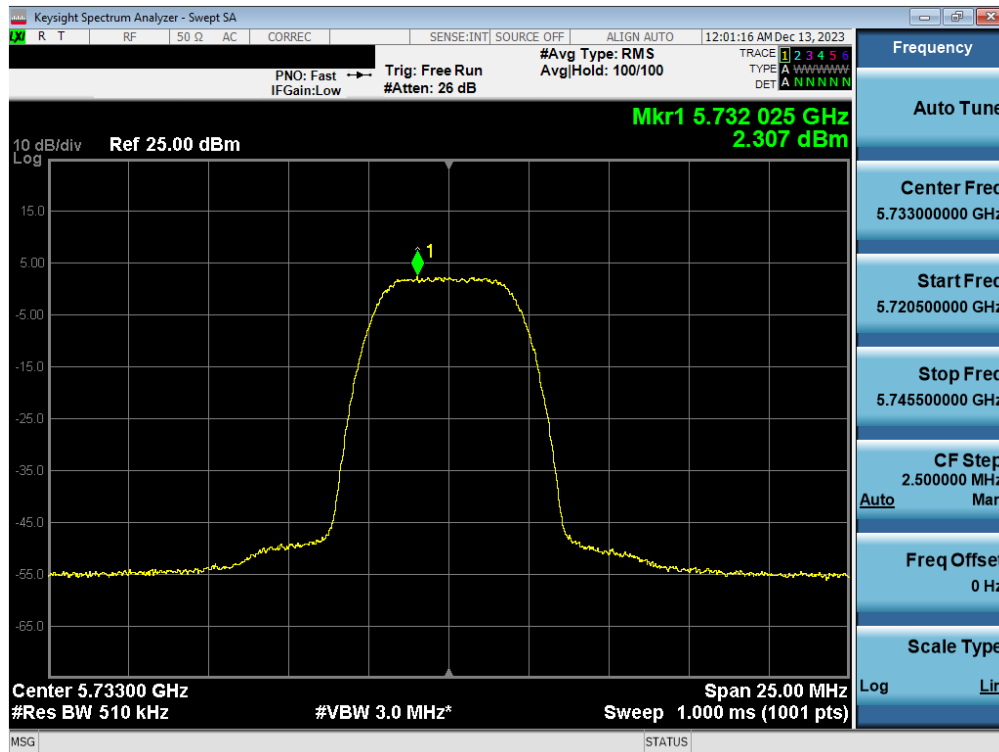


Plot 7-155. PSD TxBF Antenna 5T (HDR4, iPA 5844MHz)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 118 of 175 |

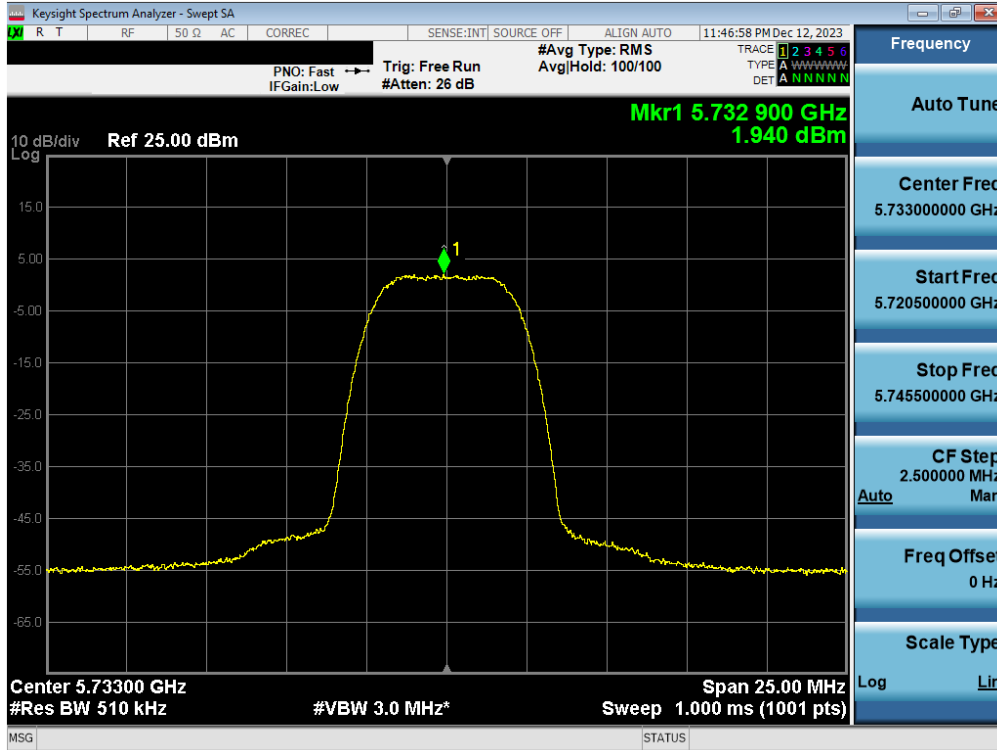


Plot 7-156. PSD TxBF Antenna 3b (HDR4, iPA 5844MHz)

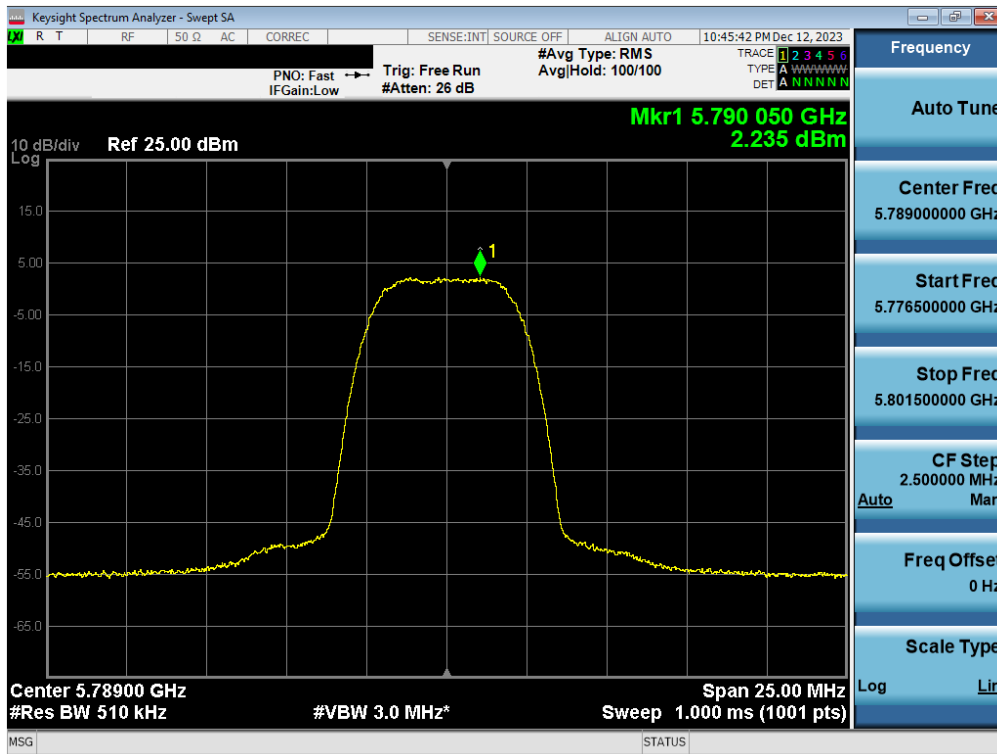


Plot 7-157. PSD TxBF Antenna 5T (HDR8, ePA 5733MHz)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 119 of 175 |

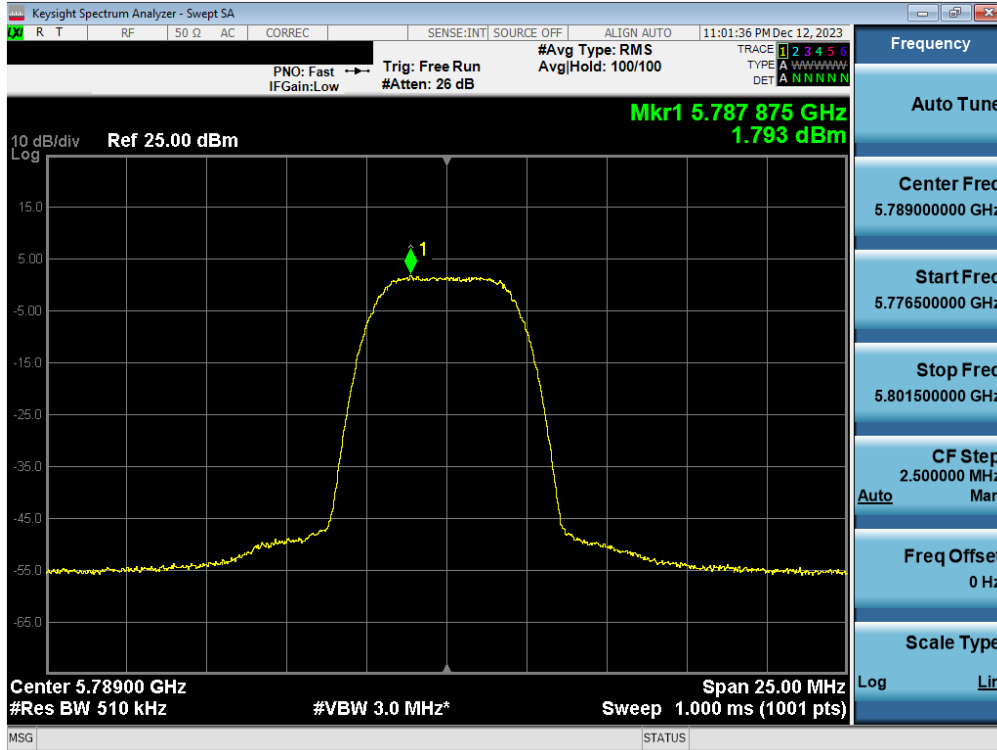


Plot 7-158. PSD TxBF Antenna 3b (HDR8, ePA 5733MHz)

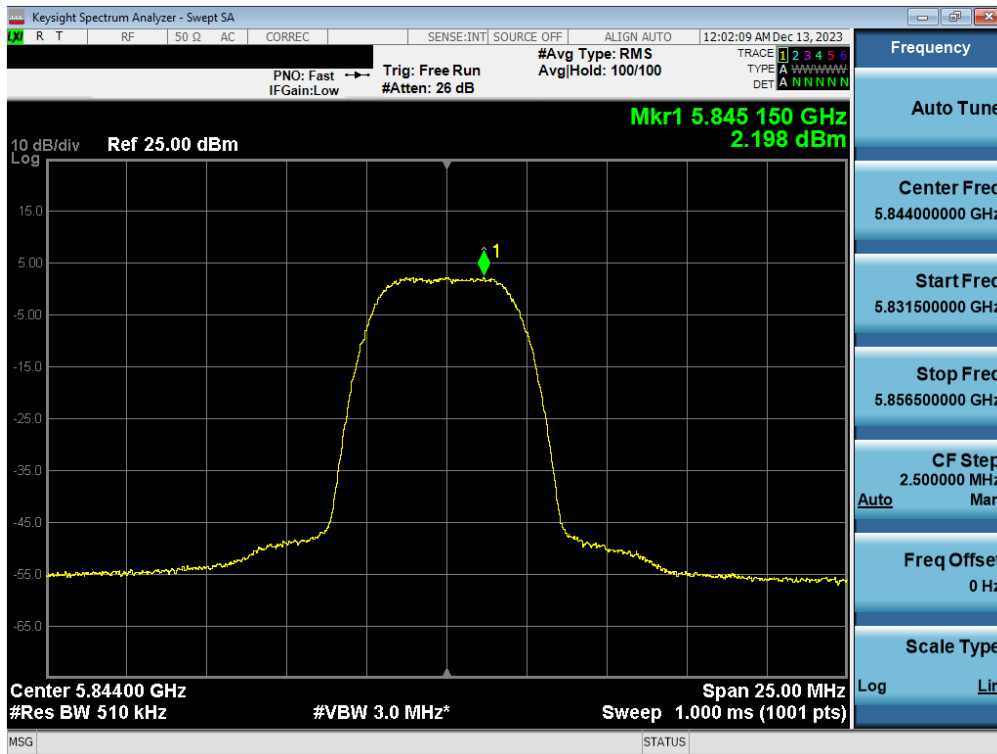


Plot 7-159. PSD TxBF Antenna 5T (HDR8, ePA 5789MHz)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 120 of 175 |

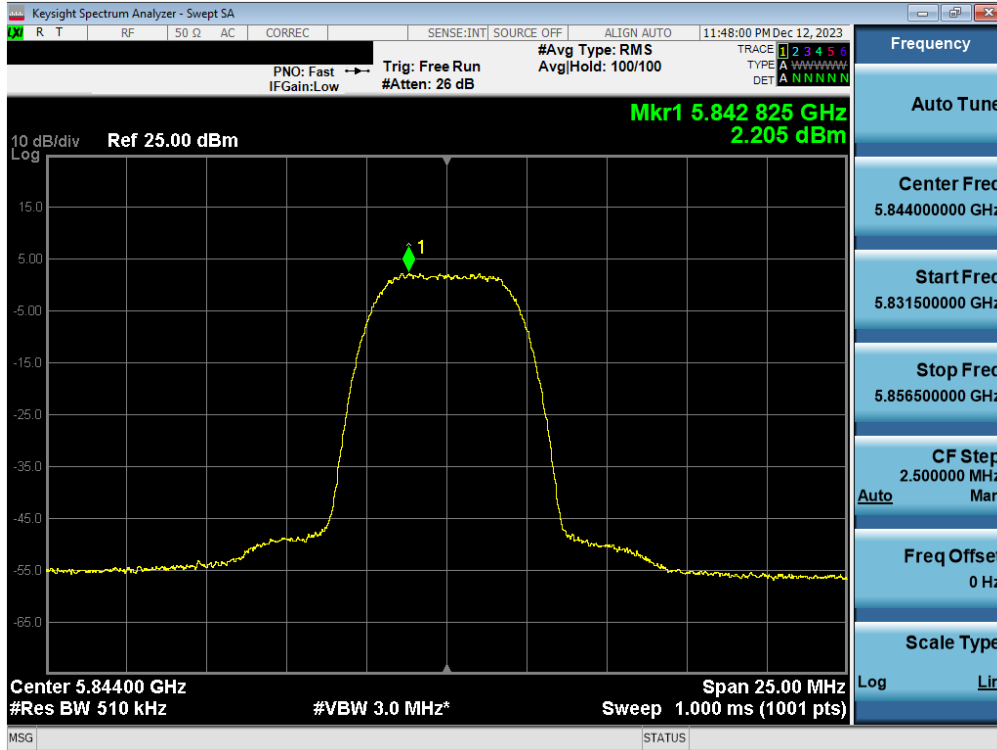


Plot 7-160. PSD TxBF Antenna 3b (HDR8, ePA 5789MHz)

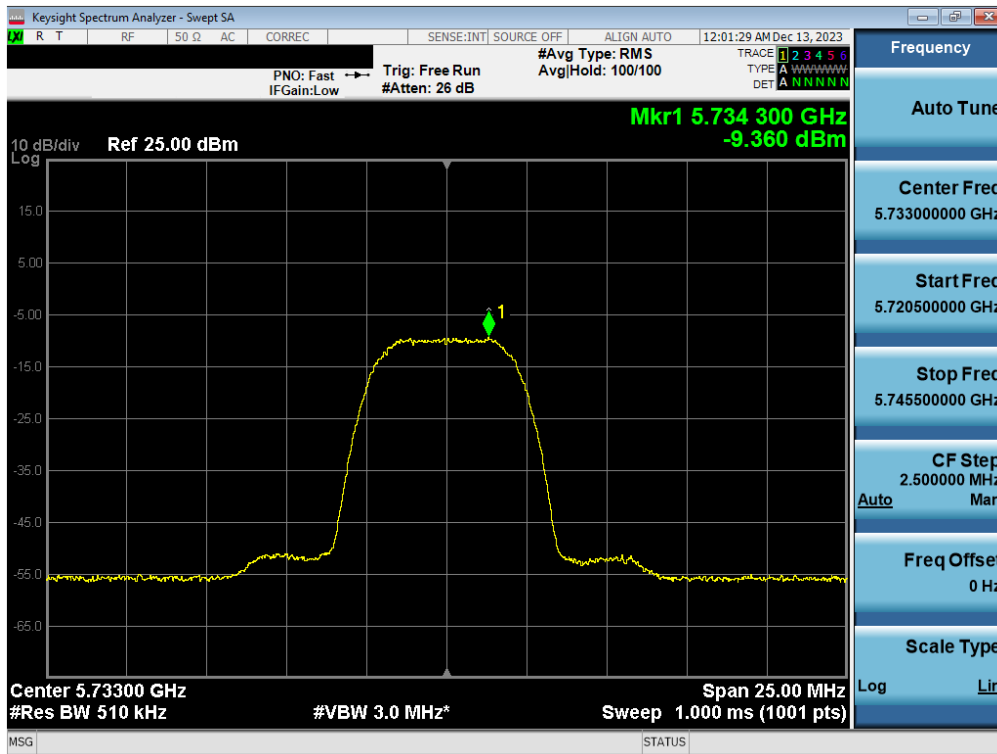


Plot 7-161. PSD TxBF Antenna 5T (HDR8, ePA 5844MHz)

| | | | |
|--|---------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2899 IC: 579C-A2899 | | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 121 of 175 |

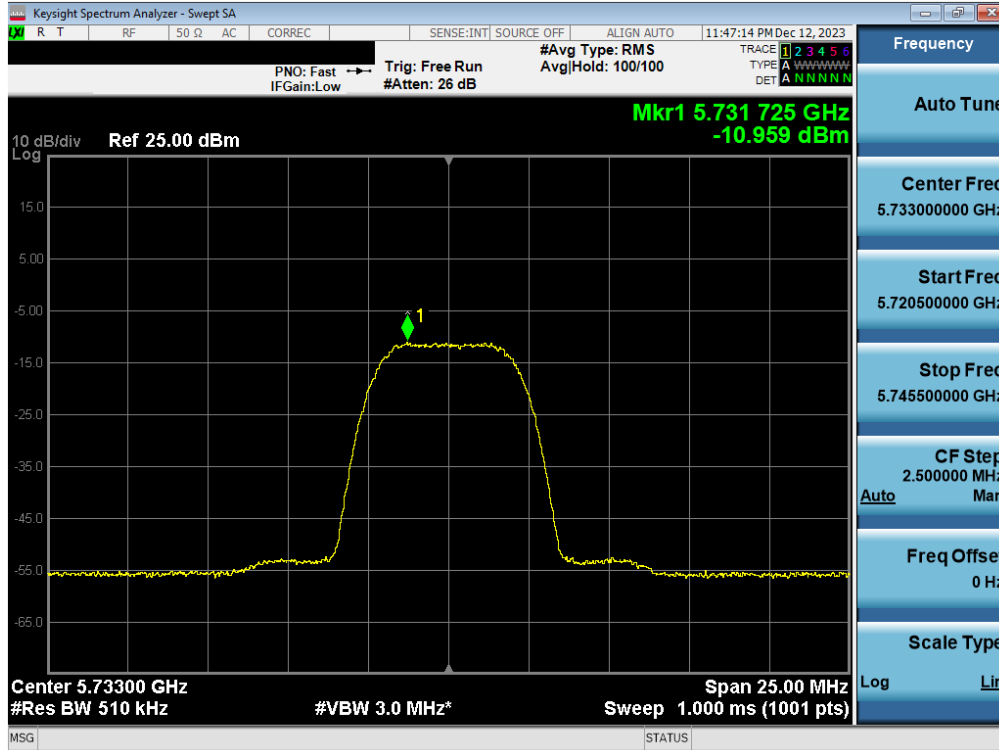


Plot 7-162. PSD TxBF Antenna 3b (HDR8, ePA 5844MHz)

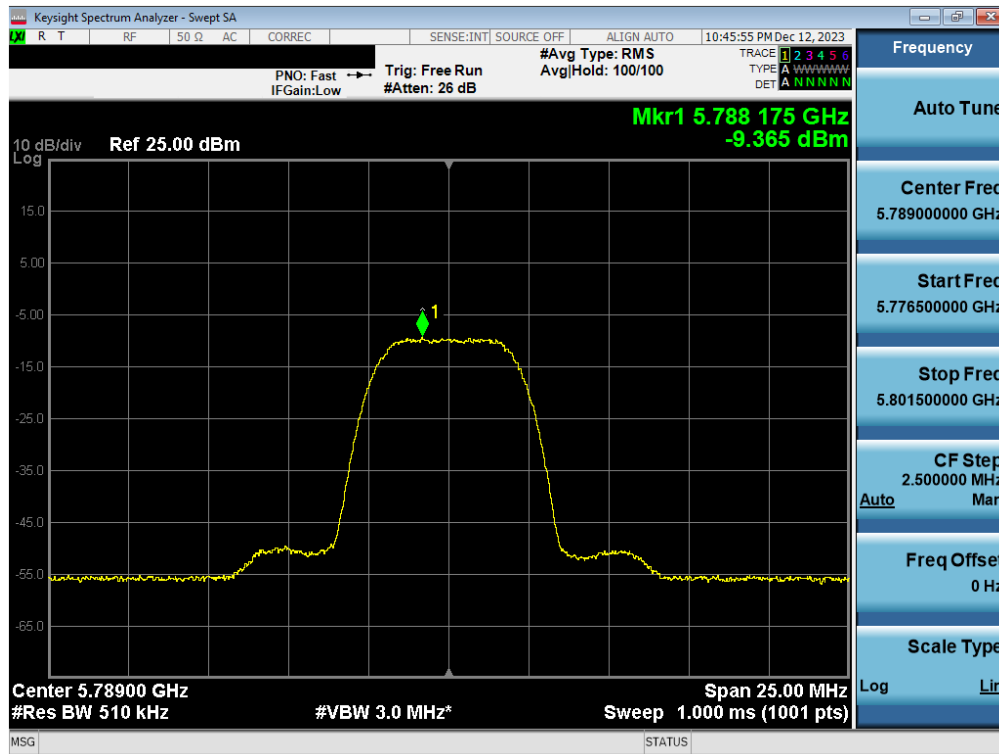


Plot 7-163. PSD TxBF Antenna 5T (HDR8, iPA 5733MHz)

| | | | |
|--|---------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2899 IC: 579C-A2899 | | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 122 of 175 |

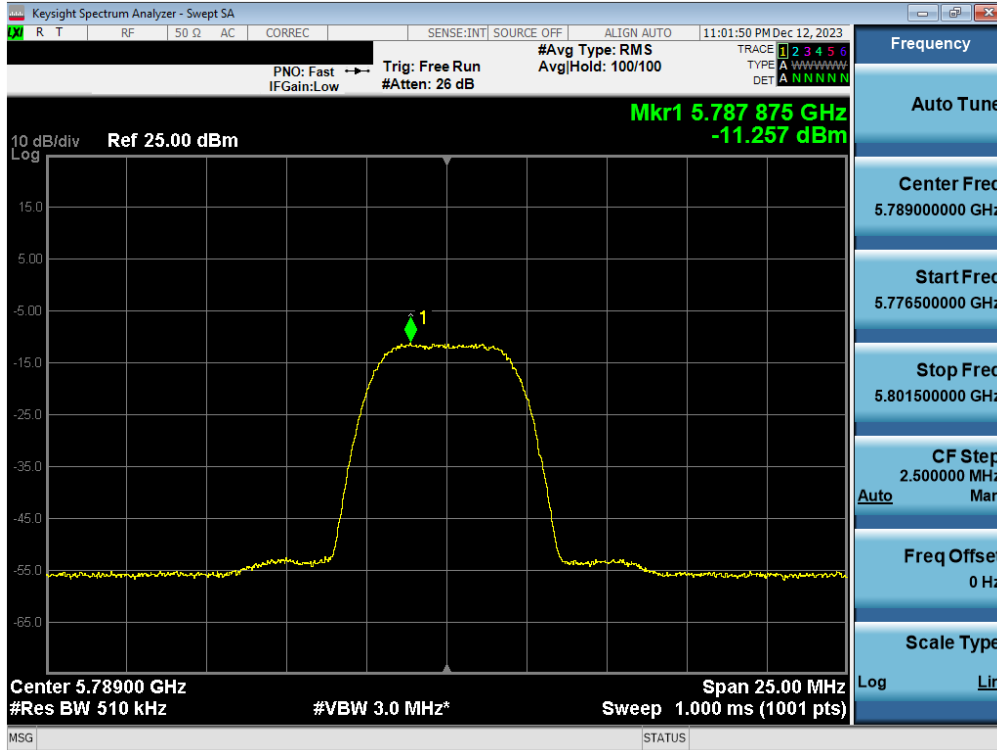


Plot 7-164. PSD TxBF Antenna 3b (HDR8, iPA 5733MHz)

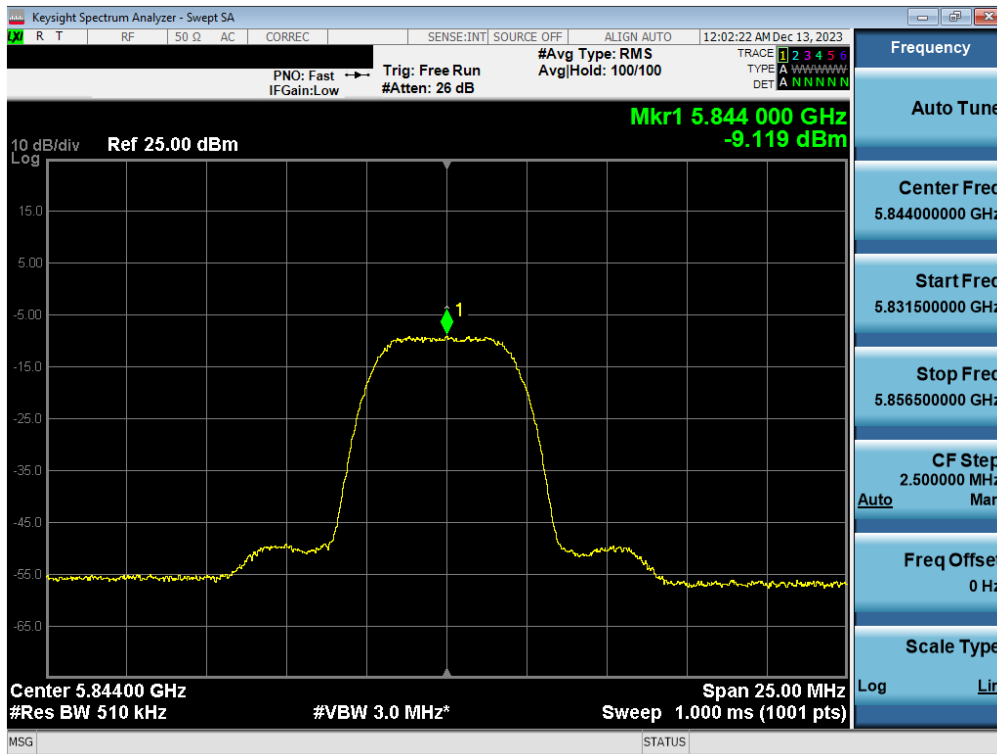


Plot 7-165. PSD TxBF Antenna 5T (HDR8, iPA 5789MHz)

| | | | |
|--|---------------------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2899 IC: 579C-A2899 | | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 123 of 175 |

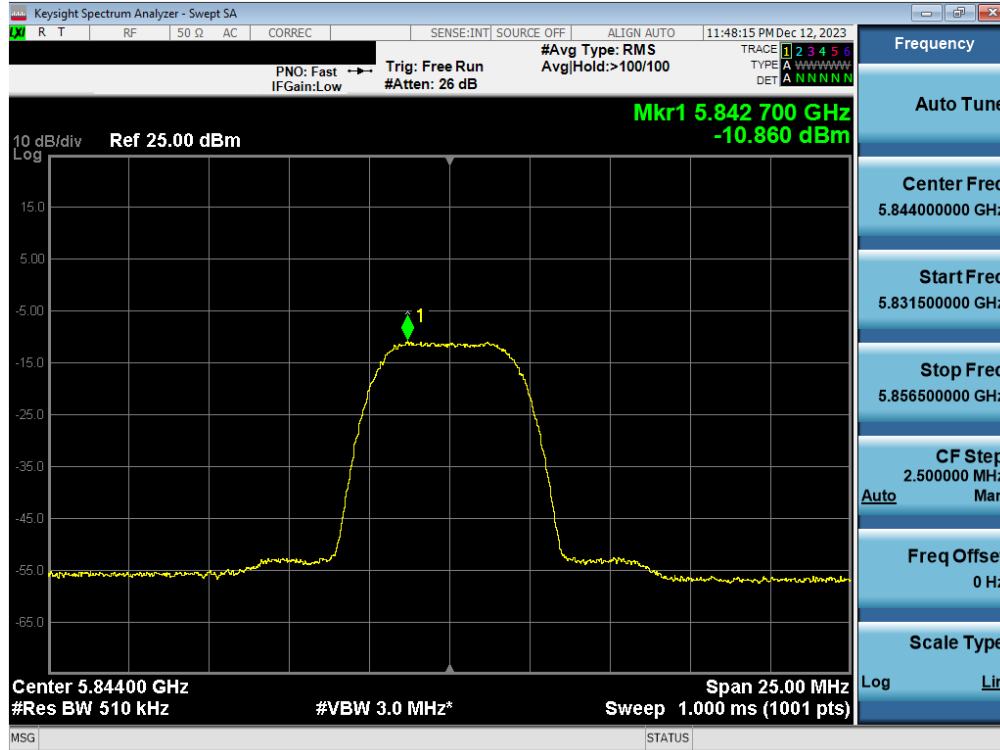


Plot 7-166. PSD TxBF Antenna 3b (HDR8, iPA 5789MHz)



Plot 7-167. PSD TxBF Antenna 5T (HDR8, iPA 5844MHz)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 124 of 175 |



Plot 7-168. PSD TxBF Antenna 3b (HDR8, iPA 5844MHz)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 125 of 175 |



Note:

Per ANSI C63.10-2013 Subclause 14.3.2.2 and KDB 662911 v02r01 Section E)2), the power spectral density at Antenna 5T and Antenna 3b 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:

At 5162MHz, the average conducted power spectral density was measured to be 2.75dBm for Antenna 5T and 2.75dBm for Antenna 3b.

$$\text{Antenna 5T} + \text{Antenna 3b} = \text{TxBF}$$

$$(2.75 \text{ dBm} + 2.75 \text{ dBm}) = (1.884 \text{ mW} + 1.884 \text{ mW}) = 3.768 \text{ mW} = 5.76 \text{ dBm}$$

Sample e.i.r.p. Calculation:

At 5162MHz, the average conducted power spectral density was measured to be 5.76dBm with an Antenna gain of 1.46 dBi.

$$\text{e.i.r.p. (dBm)} = \text{Conducted Power Spectral Density (dBm)} + \text{Ant gain (dBi)}$$

$$5.76 \text{ dBm} + 1.46 \text{ dBi} = 7.23 \text{ dBm}$$

| | | | |
|---|---|-----------------------------------|--|
| FCC ID: BCGA2899 IC: 579C-A2899 |  MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 126 of 175 |

7.6 Radiated Spurious Emission – Above 1GHz

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

Test Overview and Limit

All out of band radiated spurious emissions are measured with a spectrum analyzer connected to a receive antenna while the EUT is operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10-2013 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 and Table 7 of RSS-Gen (8.10) must not exceed the limits shown in Table 7-28 per Section 15.209 and RSS-Gen (8.9).

| Frequency | Field Strength [$\mu\text{V/m}$] | Measured Distance [Meters] |
|-----------------|---------------------------------------|-------------------------------|
| Above 960.0 MHz | 500 | 3 |

Table 7-28. Radiated Limits

Test Procedures Used

ANSI C63.10-2013 – Subclauses 12.7.7.2, 12.7.6, 12.7.5
KDB 789033 D02 v02r01 – Section G

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 127 of 175 |

V 10.5 12/15/2021

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.

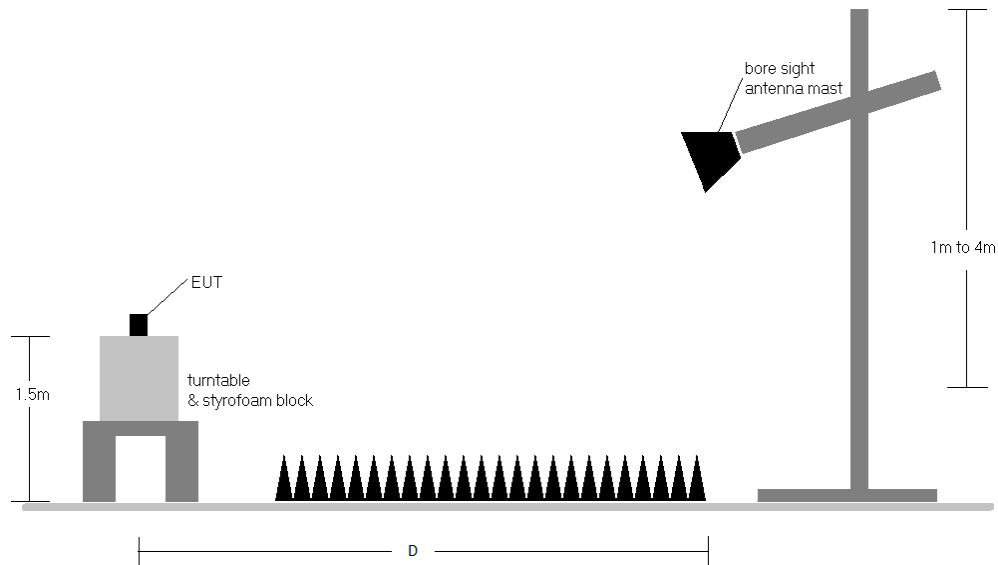


Figure 7-5. Test Instrument & Measurement Setup

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 128 of 175 |

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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 7-28.
2. All spurious emissions lying in restricted bands specified in §15.205 are below the limit shown in Table 7-28. 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]

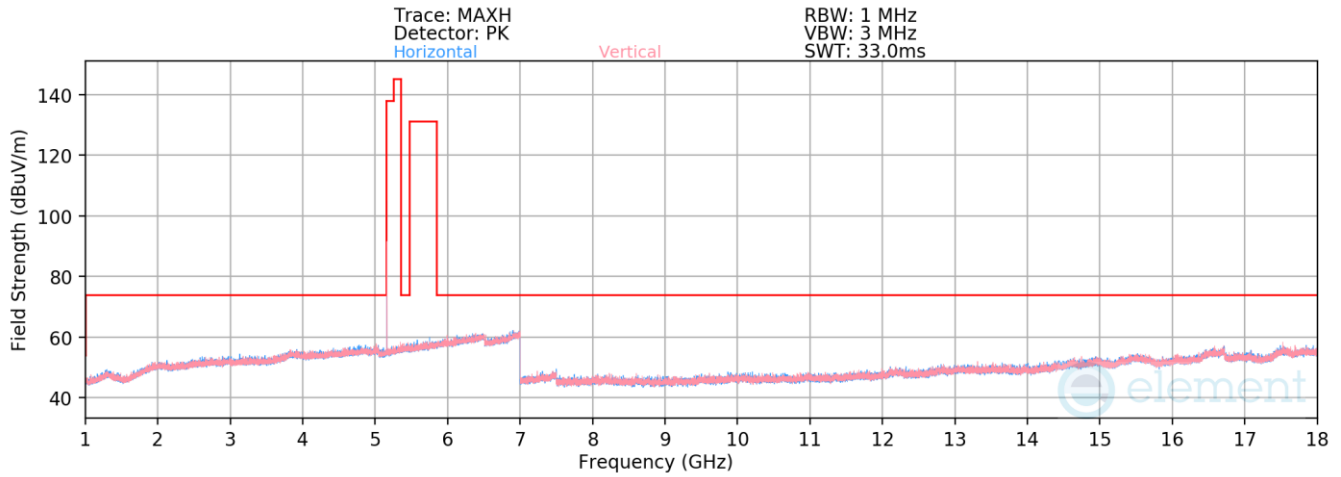
Radiated Band Edge Measurement Offset

- The amplitude offset shown in the radiated restricted band edge plots in Section 7.6.5 was calculated using the formula:
Offset (dB) = (Antenna Factor + Cable Loss + Attenuator) – Preamplifier Gain

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 129 of 175 |

V 10.5 12/15/2021

7.6.1 Antenna 5T Radiated Spurious Emission (1-18GHz)



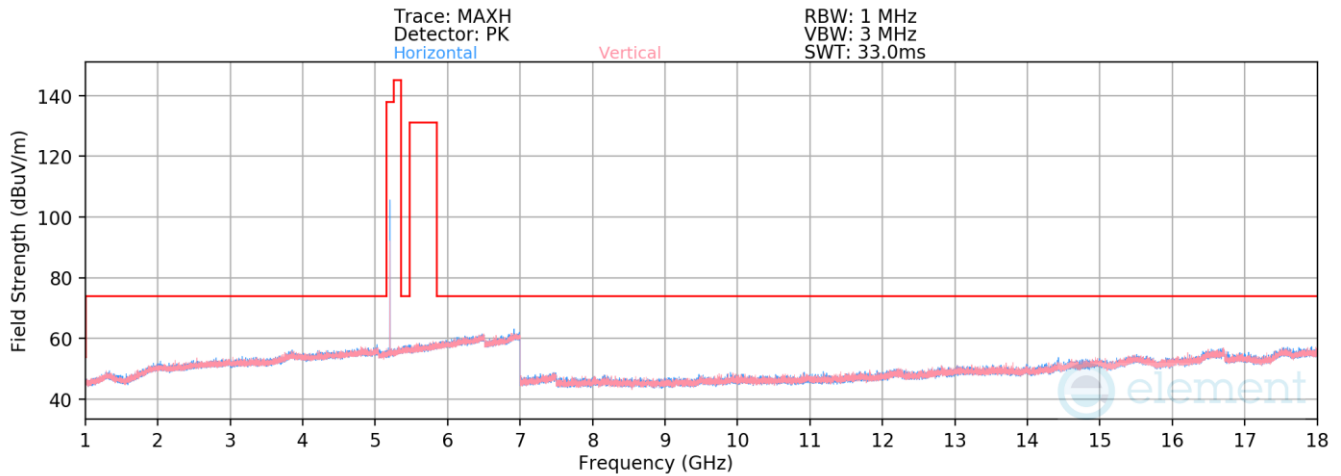
Plot 7-169. Radiated Spurious Emissions 1-18GHz Antenna 5T (HDR4, ePA – 5162MHz)

Mode: HDR4
 Data Rate: 4Mbps
 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 | - | - | -66.49 | 8.38 | 48.89 | 68.20 | -19.31 |
| * 15486.00 | Average | V | - | - | -79.46 | 13.94 | 41.48 | 53.98 | -12.50 |
| * 15486.00 | Peak | V | - | - | -67.11 | 13.94 | 53.83 | 73.98 | -20.15 |

Table 7-29. Radiated Spurious Emissions Measurements Antenna 5T

| | | | | |
|--|---|---|--|-----------------------------------|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | | Page 130 of 175 |



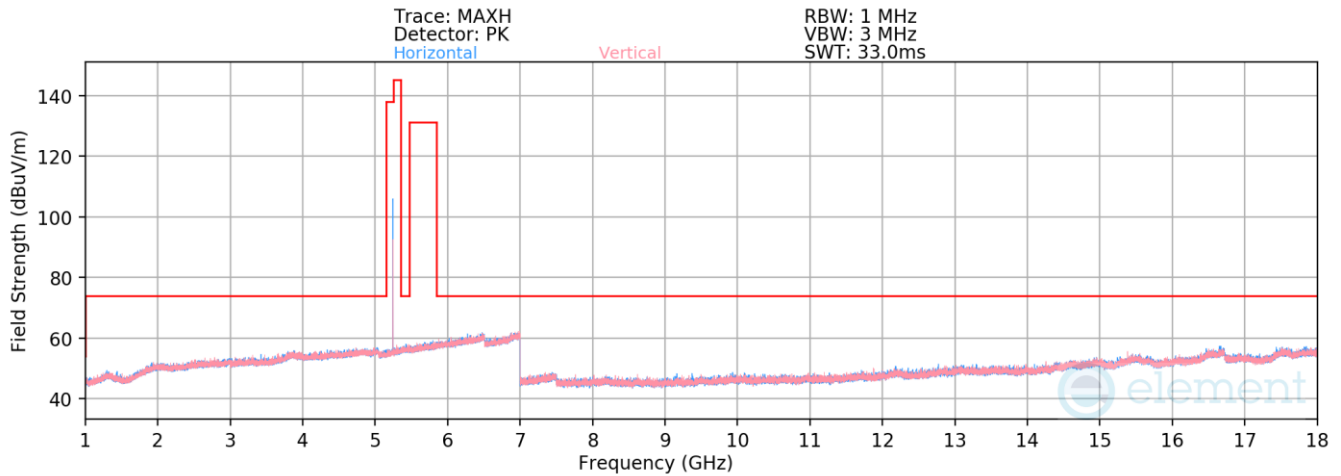
Plot 7-170. Radiated Spurious Emissions 1-18GHz Antenna 5T (HDR4, ePA – 5204MHz)

Mode: HDR4
 Data Rate: 4Mbps
 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 | - | - | -66.76 | 8.41 | 48.65 | 68.20 | -19.55 |
| * 15612.00 | Average | V | - | - | -79.49 | 13.98 | 41.49 | 53.98 | -12.49 |
| * 15612.00 | Peak | V | - | - | -67.79 | 13.98 | 53.19 | 73.98 | -20.79 |

Table 7-30. Radiated Spurious Emissions Measurements Antenna 5T

| | | | |
|---|---|---|--|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 131 of 175 |



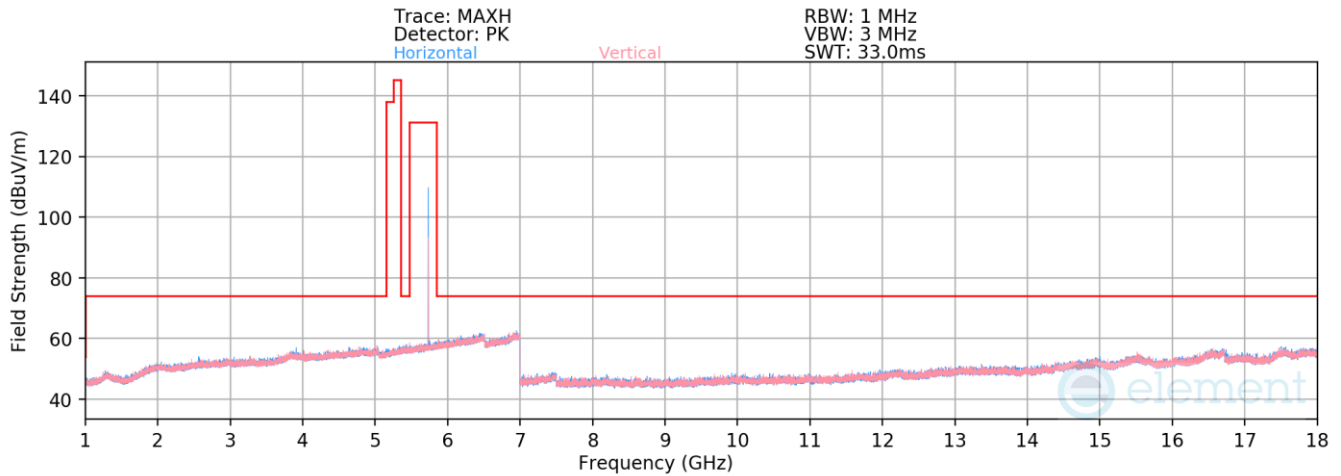
Plot 7-171. Radiated Spurious Emissions 1-18GHz Antenna 5T (HDR4, ePA – 5245MHz)

Mode: HDR4
 Data Rate: 4Mbps
 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 | - | - | -67.29 | 8.54 | 48.25 | 68.20 | -19.95 |
| * 15735.00 | Average | V | - | - | -79.34 | 13.26 | 40.92 | 53.98 | -13.06 |
| * 15735.00 | Peak | V | - | - | -67.76 | 13.26 | 52.50 | 73.98 | -21.48 |

Table 7-31. Radiated Spurious Emissions Measurements Antenna 5T

| | | | |
|---|---|---|--|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 132 of 175 |



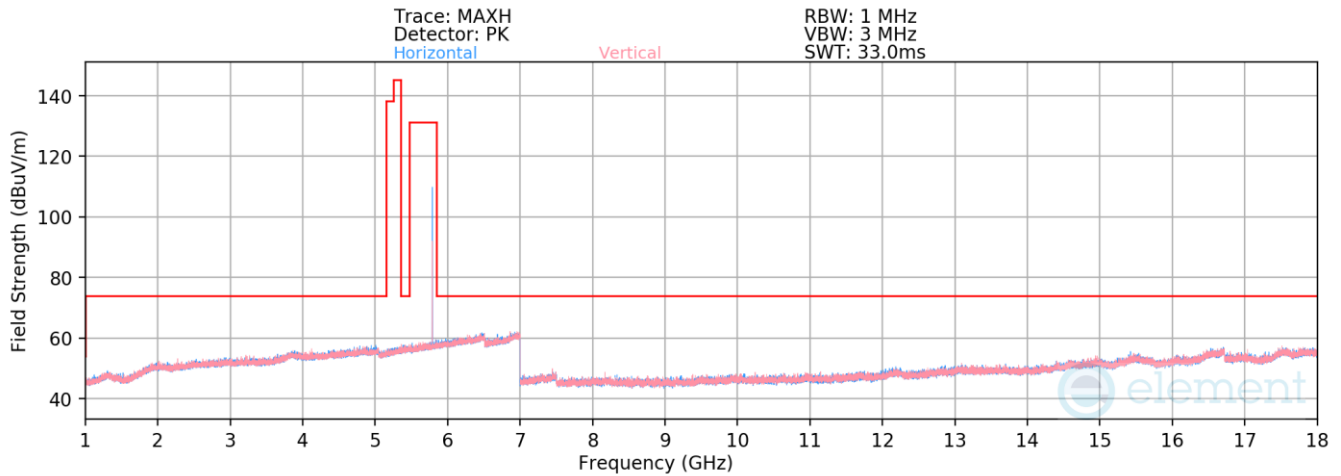
Plot 7-172. Radiated Spurious Emissions 1-18GHz Antenna 5T (HDR4, ePA – 5733MHz)

Mode: HDR4
 Data Rate: 4Mbps
 Distance of Measurements: 3 Meters
 Operating Frequency: 5733MHz

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | Limit [dBμV/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| * 11466.00 | Average | V | - | - | -79.31 | 9.34 | 37.03 | 53.98 | -16.95 |
| * 11466.00 | Peak | V | - | - | -67.61 | 9.34 | 48.73 | 73.98 | -25.25 |
| 17199.00 | Peak | V | - | - | -67.31 | 16.16 | 55.85 | 68.20 | -12.35 |

Table 7-32. Radiated Spurious Emissions Measurements Antenna 5T

| | | | |
|---|---|---|--|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 133 of 175 |



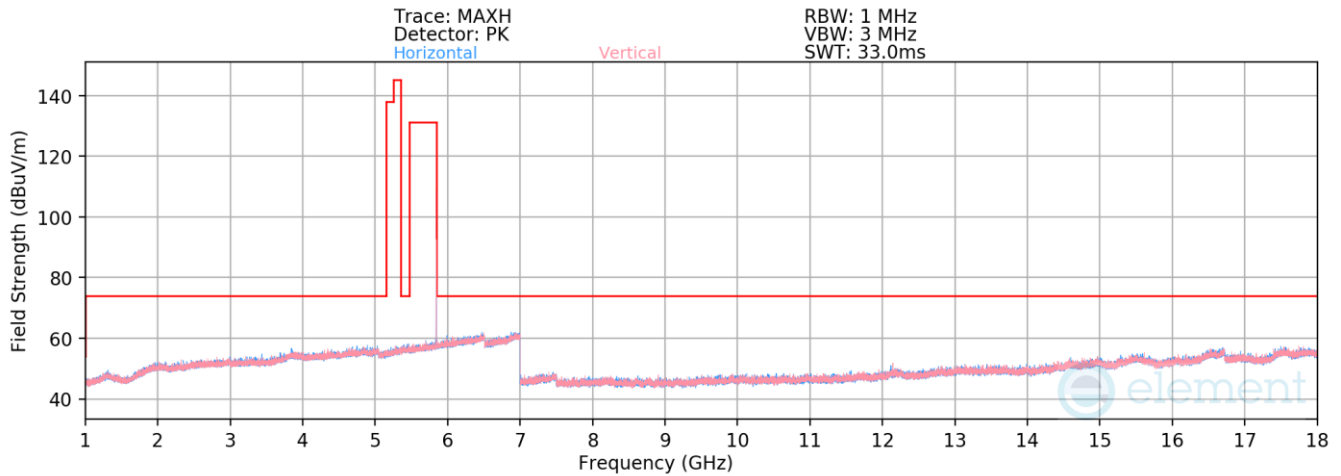
Plot 7-173. Radiated Spurious Emissions 1-18GHz Antenna 5T (HDR4, ePA – 5789MHz)

Mode: HDR4
 Data Rate: 4Mbps
 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 | Average | V | - | - | -78.95 | 9.31 | 37.36 | 53.98 | -16.62 |
| * 11578.00 | Peak | V | - | - | -67.07 | 9.31 | 49.24 | 73.98 | -24.74 |
| 17367.00 | Peak | V | - | - | -68.37 | 17.30 | 55.93 | 68.20 | -12.27 |

Table 7-33. Radiated Spurious Emissions Measurements Antenna 5T

| | | | |
|---|---|---|--|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 134 of 175 |



Plot 7-174. Radiated Spurious Emissions 1-18GHz Antenna 5T (HDR4, ePA – 5844MHz)

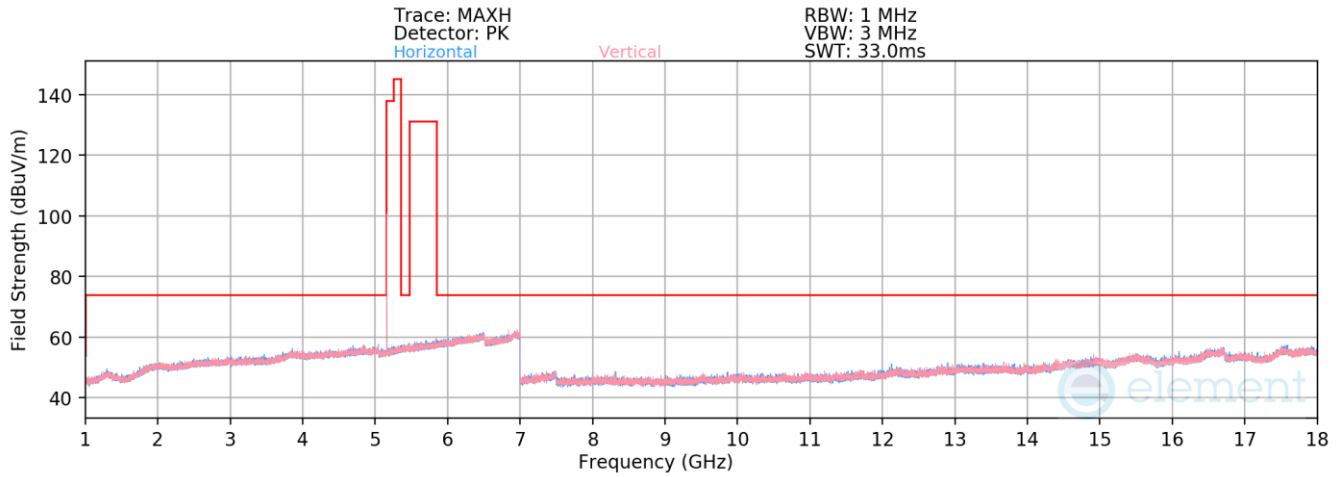
Mode: HDR4
 Data Rate: 4Mbps
 Distance of Measurements: 3 Meters
 Operating Frequency: 5844MHz

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|----------------------|-------------|
| * 11688.00 | Average | V | - | - | -78.74 | 9.56 | 37.82 | 53.98 | -16.16 |
| * 11688.00 | Peak | V | - | - | -67.62 | 9.56 | 48.94 | 73.98 | -25.04 |
| 17532.00 | Peak | V | - | - | -68.05 | 18.80 | 57.75 | 68.20 | -10.45 |

Table 7-34. Radiated Spurious Emissions Measurements Antenna 5T

| | | | |
|--|---|---|-----------------------------------|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 135 of 175 |

7.6.2 Antenna 3b Radiated Spurious Emission (1-18GHz)



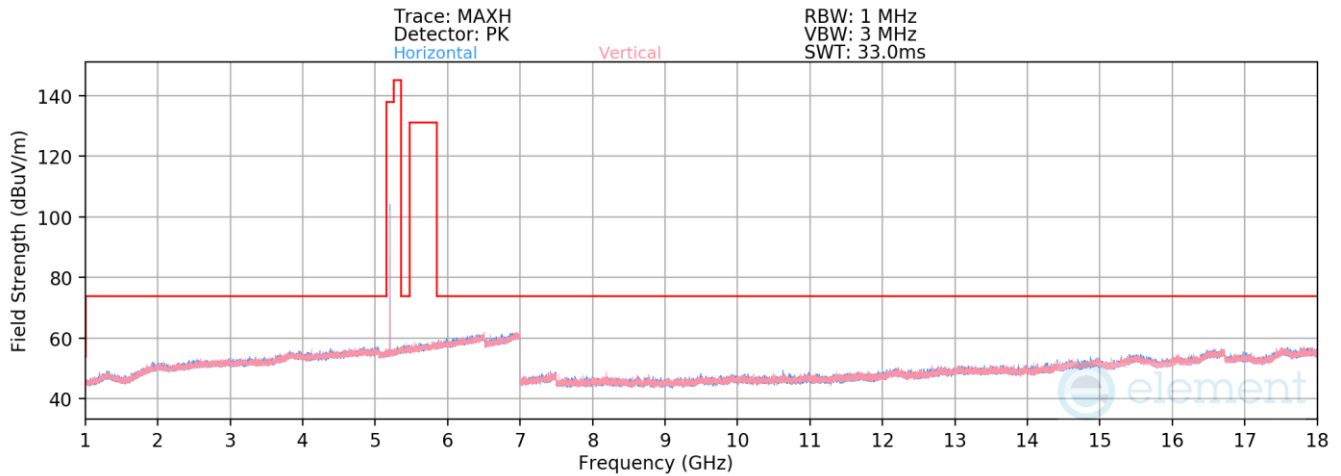
Plot 7-175. Radiated Spurious Emissions 1-18GHz Antenna 3b (HDR4, ePA – 5162MHz)

| | |
|---------------------------|----------|
| Mode: | HDR4 |
| Data Rate: | 4Mbps |
| 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 | - | - | -65.90 | 8.38 | 49.48 | 68.20 | -18.72 |
| * 15486.00 | Average | V | - | - | -79.40 | 13.94 | 41.54 | 53.98 | -12.44 |
| * 15486.00 | Peak | V | - | - | -67.96 | 13.94 | 52.98 | 73.98 | -21.00 |

Table 7-35. Radiated Spurious Emissions Measurements Antenna 3b

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 136 of 175 |



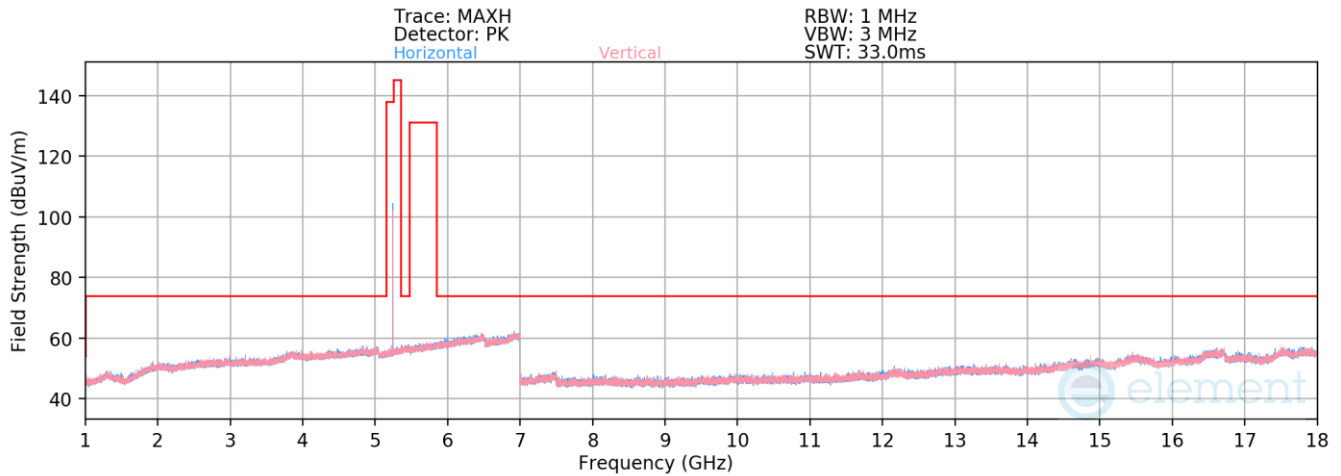
Plot 7-176. Radiated Spurious Emissions 1-18GHz Antenna 3b (HDR4, ePA – 5204MHz)

Mode: HDR4
 Data Rate: 4Mbps
 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 | - | - | -67.26 | 8.41 | 48.15 | 68.20 | -20.05 |
| * 15612.00 | Average | V | - | - | -79.62 | 13.98 | 41.36 | 53.98 | -12.62 |
| * 15612.00 | Peak | V | - | - | -67.49 | 13.98 | 53.49 | 73.98 | -20.49 |

Table 7-36. Radiated Spurious Emissions Measurements Antenna 3b

| | | | |
|---|---|---|--|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 137 of 175 |



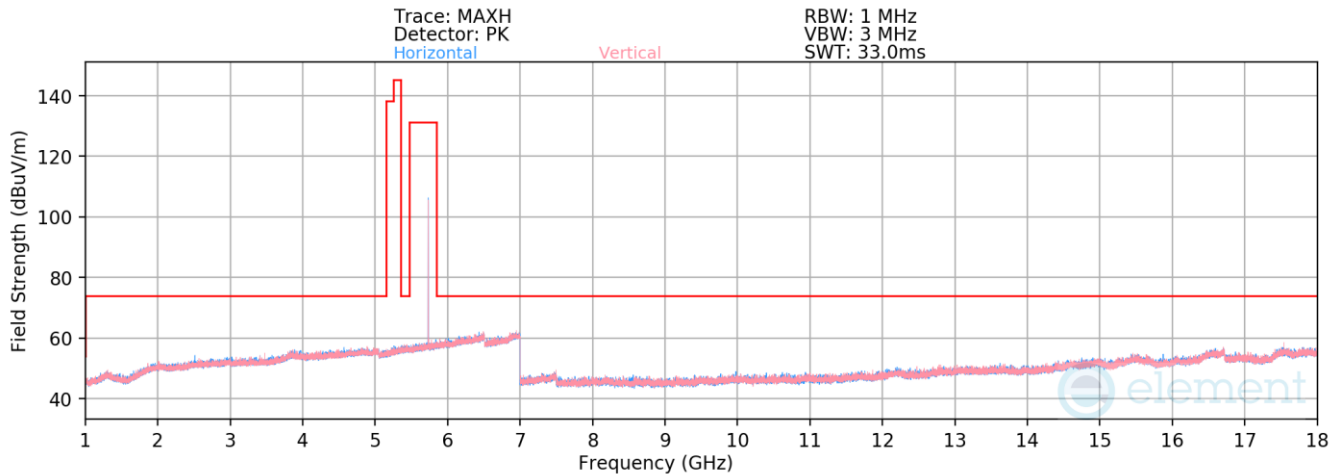
Plot 7-177. Radiated Spurious Emissions 1-18GHz Antenna 3b (HDR4, ePA – 5245MHz)

Mode: HDR4
 Data Rate: 4Mbps
 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 | - | - | -67.63 | 8.54 | 47.91 | 68.20 | -20.29 |
| * 15735.00 | Average | V | - | - | -79.02 | 13.26 | 41.24 | 53.98 | -12.74 |
| * 15735.00 | Peak | V | - | - | -67.34 | 13.26 | 52.92 | 73.98 | -21.06 |

Table 7-37. Radiated Spurious Emissions Measurements Antenna 3b

| | | | |
|---|---|---|--|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 138 of 175 |



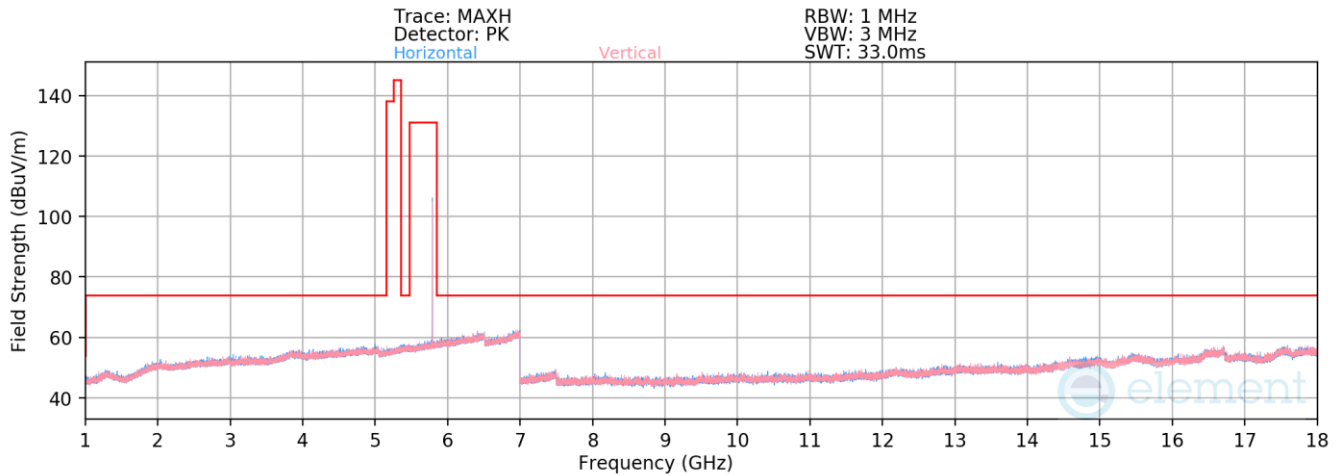
Plot 7-178. Radiated Spurious Emissions 1-18GHz Antenna 3b (HDR4, ePA – 5733MHz)

Mode: HDR4
 Data Rate: 4Mbps
 Distance of Measurements: 3 Meters
 Operating Frequency: 5733MHz

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | Limit [dBμV/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| * 11466.00 | Average | V | - | - | -79.52 | 9.34 | 36.82 | 53.98 | -17.16 |
| * 11466.00 | Peak | V | - | - | -67.28 | 9.34 | 49.06 | 73.98 | -24.92 |
| 17199.00 | Peak | V | - | - | -67.89 | 16.16 | 55.27 | 68.20 | -12.93 |

Table 7-38. Radiated Spurious Emissions Measurements Antenna 3b

| | | | |
|---|---|---|--|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 139 of 175 |



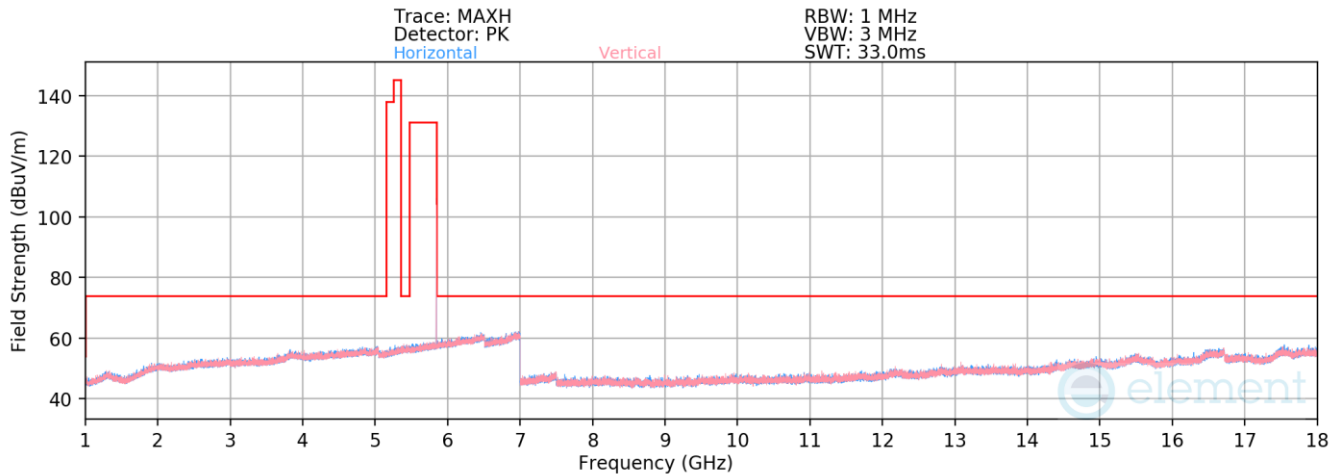
Plot 7-179. Radiated Spurious Emissions 1-18GHz Antenna 3b (HDR4, ePA – 5789MHz)

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

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | Limit [dBμV/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| * 11578.00 | Average | V | - | - | -78.76 | 9.31 | 37.55 | 53.98 | -16.43 |
| * 11578.00 | Peak | V | - | - | -67.47 | 9.31 | 48.84 | 73.98 | -25.14 |
| 17367.00 | Peak | V | - | - | -68.10 | 17.30 | 56.20 | 68.20 | -12.00 |

Table 7-39. Radiated Spurious Emissions Measurements Antenna 3b

| | | | |
|---|---|---|--|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 140 of 175 |



Plot 7-180. Radiated Spurious Emissions 1-18GHz Antenna 3b (HDR4, ePA – 5844MHz)

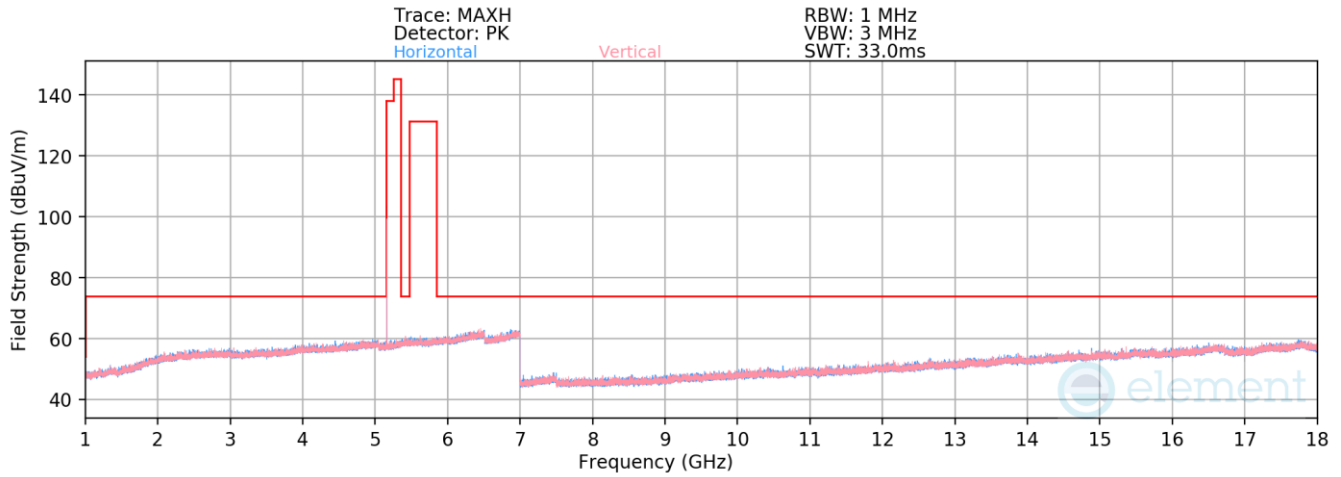
Mode: HDR4
 Data Rate: 4Mbps
 Distance of Measurements: 3 Meters
 Operating Frequency: 5844MHz

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | Limit [dBμV/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| * 11688.00 | Average | V | - | - | -78.88 | 9.56 | 37.68 | 53.98 | -16.30 |
| * 11688.00 | Peak | V | - | - | -67.08 | 9.56 | 49.48 | 73.98 | -24.50 |
| 17532.00 | Peak | V | - | - | -67.89 | 18.80 | 57.91 | 68.20 | -10.29 |

Table 7-40. Radiated Spurious Emissions Measurements Antenna 3b

| | | | |
|---|---|---|--|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 141 of 175 |

7.6.3 Antenna 1b Radiated Spurious Emission (1-18GHz)



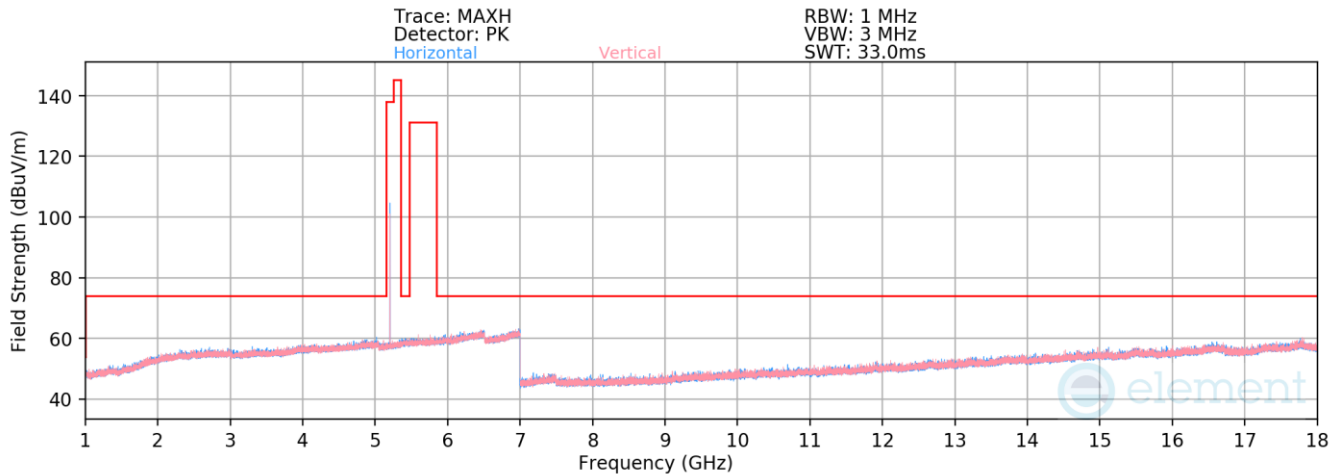
Plot 7-181. Radiated Spurious Emissions 1-18GHz Antenna 1b (HDR4, ePA – 5162MHz)

Mode: HDR4
 Data Rate: 4Mbps
 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 | - | - | -66.29 | 9.69 | 50.40 | 68.20 | -17.80 |
| * 15486.00 | Average | V | - | - | -79.23 | 17.72 | 45.49 | 53.98 | -8.49 |
| * 15486.00 | Peak | V | - | - | -68.45 | 17.72 | 56.27 | 73.98 | -17.71 |

Table 7-41. Radiated Spurious Emissions Measurements Antenna 1b

| | | | |
|---|---|---|--|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 142 of 175 |



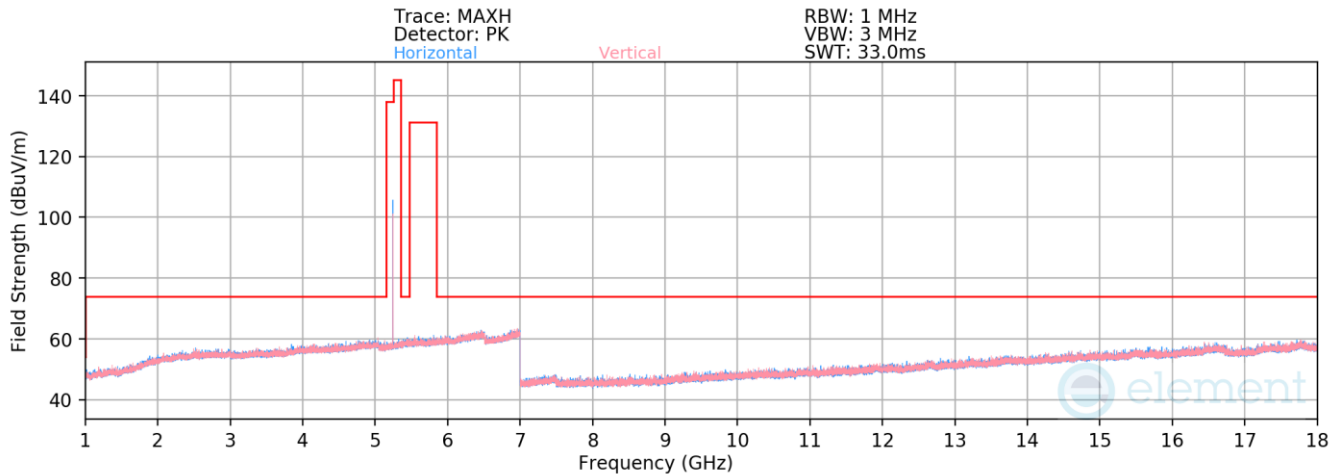
Plot 7-182. Radiated Spurious Emissions 1-18GHz Antenna 1b (HDR4, ePA – 5204MHz)

Mode: HDR4
 Data Rate: 4Mbps
 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 | - | - | -65.96 | 10.03 | 51.07 | 68.20 | -17.13 |
| * 15612.00 | Average | V | - | - | -79.39 | 18.01 | 45.62 | 53.98 | -8.36 |
| * 15612.00 | Peak | V | - | - | -68.73 | 18.01 | 56.28 | 73.98 | -17.70 |

Table 7-42. Radiated Spurious Emissions Measurements Antenna 1b

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 143 of 175 |



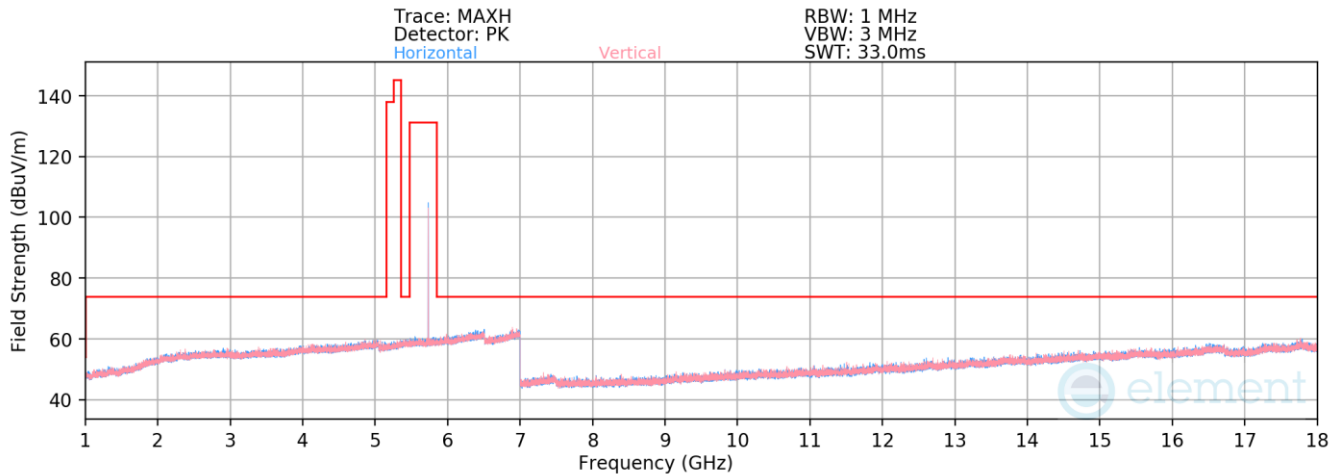
Plot 7-183. Radiated Spurious Emissions 1-18GHz Antenna 1b (HDR4, ePA – 5245MHz)

Mode: HDR4
 Data Rate: 4Mbps
 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 | 10.27 | 50.63 | 68.20 | -17.57 |
| * 15735.00 | Average | V | - | - | -79.29 | 18.20 | 45.91 | 53.98 | -8.07 |
| * 15735.00 | Peak | V | - | - | -68.28 | 18.20 | 56.92 | 73.98 | -17.06 |

Table 7-43. Radiated Spurious Emissions Measurements Antenna 1b

| | | | |
|---|---|---|--|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 144 of 175 |



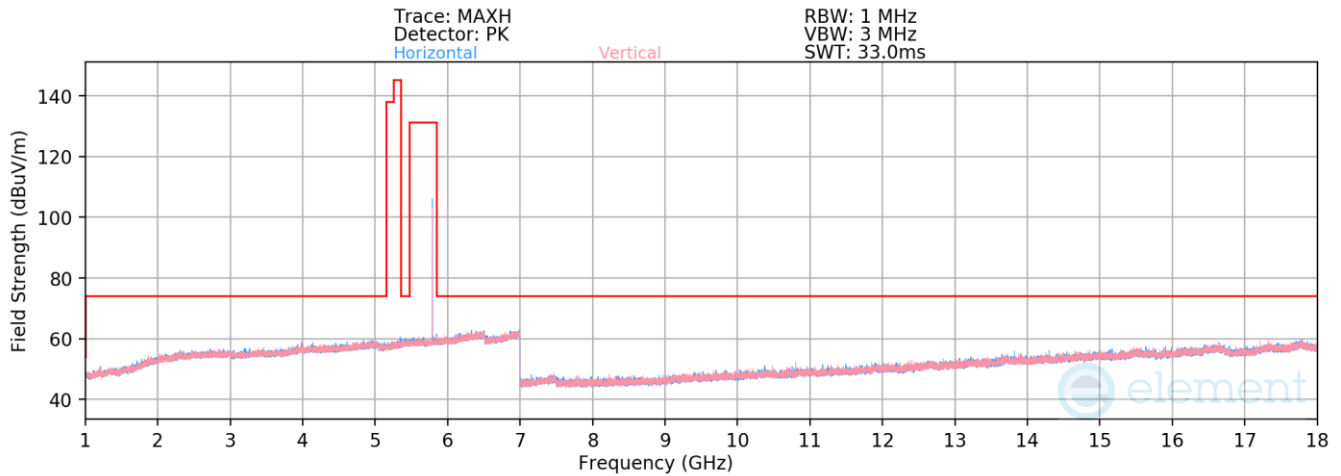
Plot 7-184. Radiated Spurious Emissions 1-18GHz Antenna 1b (HDR4, ePA – 5733MHz)

Mode: HDR4
 Data Rate: 4Mbps
 Distance of Measurements: 3 Meters
 Operating Frequency: 5733MHz

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | Limit [dBμV/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| * 11466.00 | Average | V | - | - | -78.22 | 11.18 | 39.96 | 53.98 | -14.02 |
| * 11466.00 | Peak | V | - | - | -66.13 | 11.18 | 52.05 | 73.98 | -21.93 |
| 17199.00 | Peak | V | - | - | -69.06 | 20.67 | 58.61 | 68.20 | -9.59 |

Table 7-44. Radiated Spurious Emissions Measurements Antenna 1b

| | | | |
|---|---|---|--|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 145 of 175 |



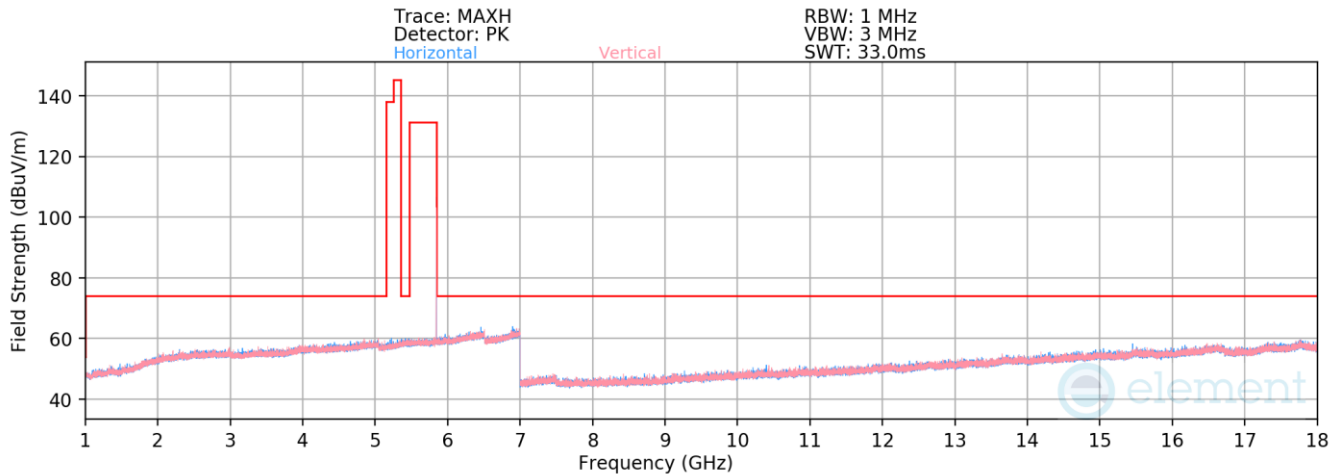
Plot 7-185. Radiated Spurious Emissions 1-18GHz Antenna 1b (HDR4, ePA – 5789MHz)

Mode: HDR4
 Data Rate: 4Mbps
 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 | Average | V | - | - | -78.29 | 11.13 | 39.84 | 53.98 | -14.14 |
| * 11578.00 | Peak | V | - | - | -66.31 | 11.13 | 51.82 | 73.98 | -22.16 |
| 17367.00 | Peak | V | - | - | -68.67 | 21.32 | 59.65 | 68.20 | -8.55 |

Table 7-45. Radiated Spurious Emissions Measurements Antenna 1b

| | | | |
|---|---|---|--|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 146 of 175 |



Plot 7-186. Radiated Spurious Emissions 1-18GHz Antenna 1b (HDR4, ePA – 5844MHz)

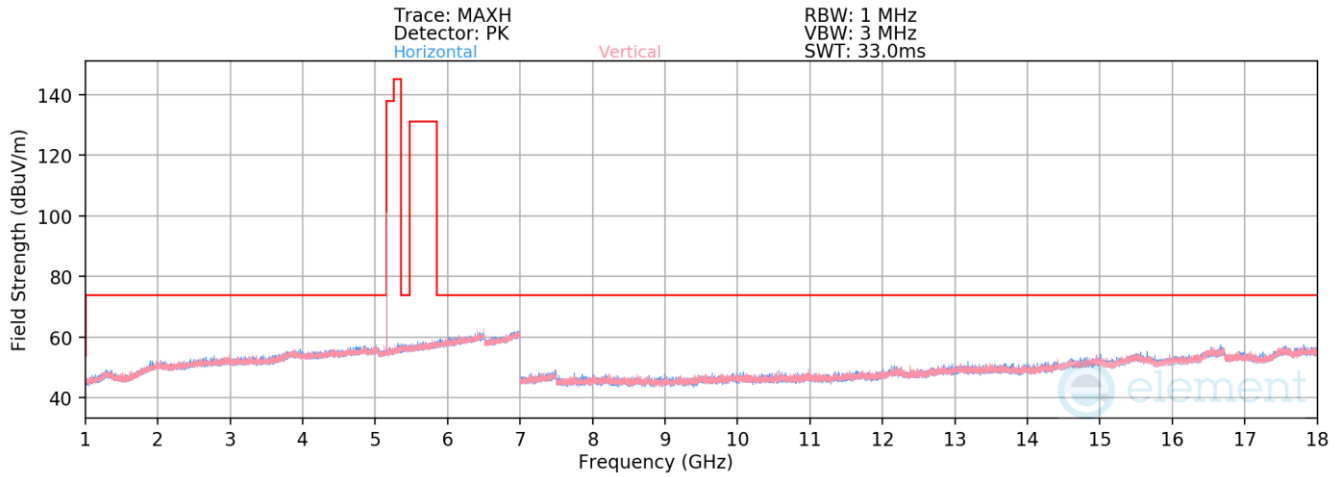
Mode: HDR4
 Data Rate: 4Mbps
 Distance of Measurements: 3 Meters
 Operating Frequency: 5844MHz

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|----------------------|-------------|
| * 11688.00 | Average | V | - | - | -78.56 | 11.65 | 40.09 | 53.98 | -13.89 |
| * 11688.00 | Peak | V | - | - | -66.80 | 11.65 | 51.85 | 73.98 | -22.13 |
| 17532.00 | Peak | V | - | - | -69.69 | 21.89 | 59.20 | 68.20 | -9.00 |

Table 7-46. Radiated Spurious Emissions Measurements Antenna 1b

| | | | |
|--|---|---|-----------------------------------|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 147 of 175 |

7.6.4 TxBF Radiated Spurious Emission (Above 1GHz)



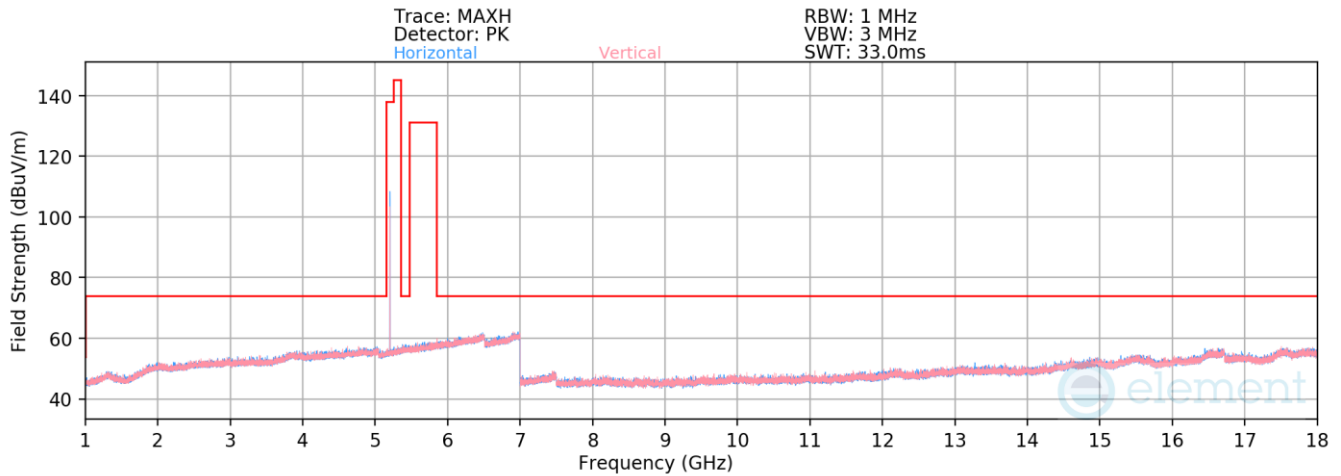
Plot 7-187. Radiated Spurious Emissions 1-18GHz TxBF (HDR4, ePA – 5162MHz)

| | |
|---------------------------|----------|
| Mode: | HDR4 |
| Data Rate: | 4Mbps |
| 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 | - | - | -67.15 | 8.38 | 48.23 | 68.20 | -19.97 |
| * 15486.00 | Average | V | - | - | -79.42 | 13.94 | 41.52 | 53.98 | -12.46 |
| * 15486.00 | Peak | V | - | - | -68.33 | 13.94 | 52.61 | 73.98 | -21.37 |

Table 7-47. Radiated Spurious Emissions Measurements TxBF

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 148 of 175 |



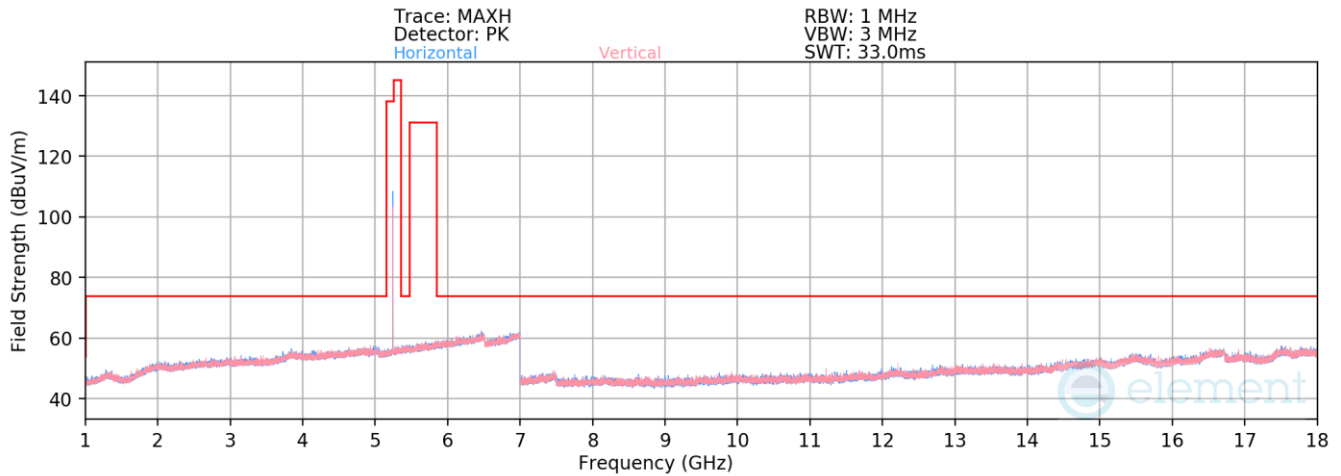
Plot 7-188. Radiated Spurious Emissions 1-18GHz TxBF (HDR4, ePA – 5204MHz)

Mode: HDR4
 Data Rate: 4Mbps
 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 | - | - | -67.05 | 8.41 | 48.36 | 68.20 | -19.84 |
| * 15612.00 | Average | V | - | - | -79.44 | 13.98 | 41.54 | 53.98 | -12.44 |
| * 15612.00 | Peak | V | - | - | -67.89 | 13.98 | 53.09 | 73.98 | -20.89 |

Table 7-48. Radiated Spurious Emissions Measurements TxBF

| | | | |
|---|---|---|--|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 149 of 175 |



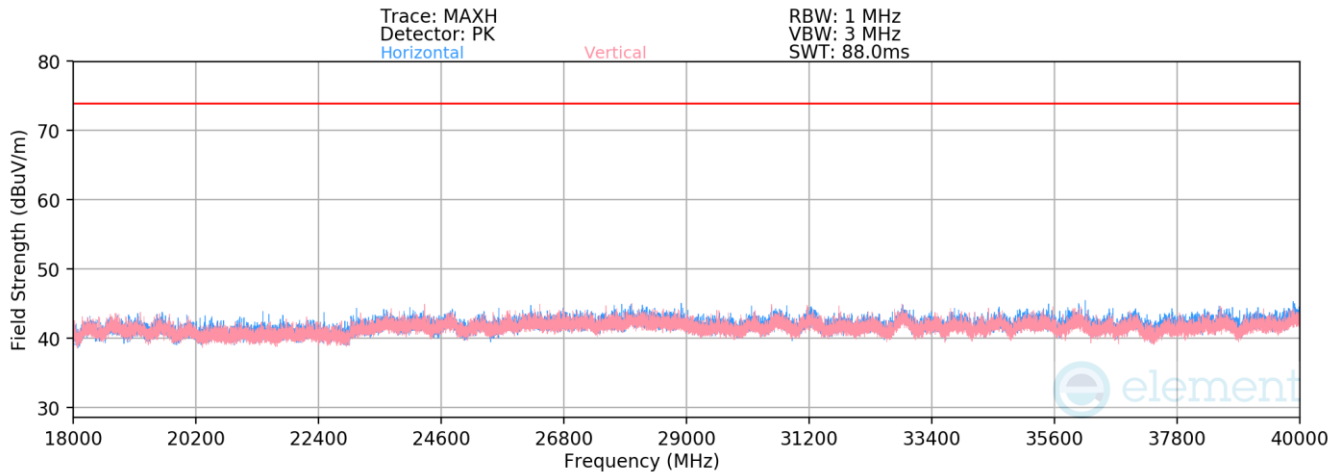
Plot 7-189. Radiated Spurious Emissions 1-18GHz TxBF (HDR4, ePA – 5245MHz)

Mode: HDR4
 Data Rate: 4Mbps
 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 [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|----------------------|-------------|
| 10490.00 | Peak | V | - | - | -67.32 | 8.54 | 48.22 | 68.20 | -19.98 |
| * 15735.00 | Average | V | - | - | -79.50 | 13.26 | 40.76 | 53.98 | -13.22 |
| * 15735.00 | Peak | V | - | - | -67.66 | 13.26 | 52.60 | 73.98 | -21.38 |

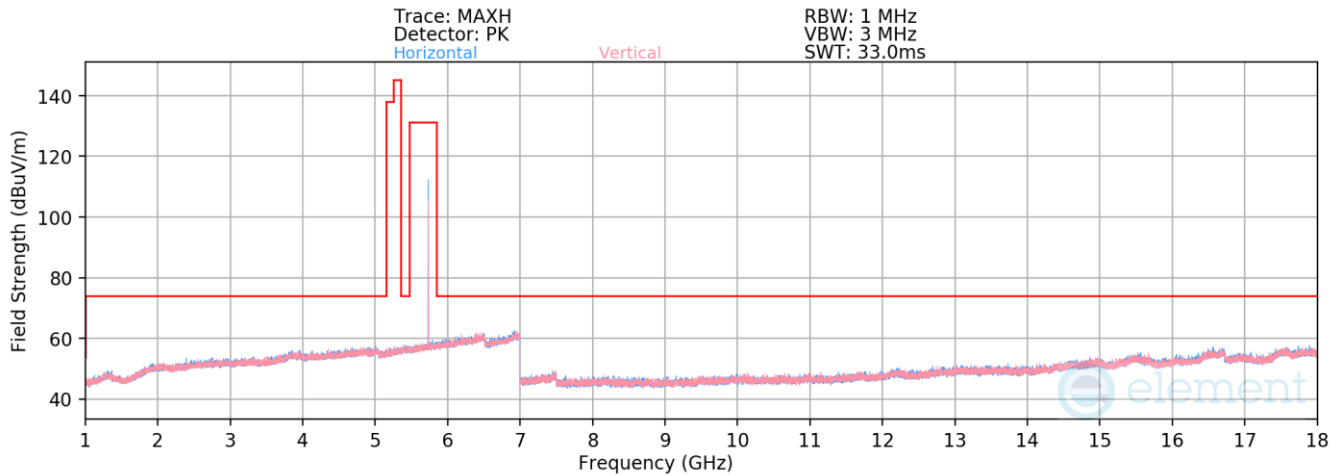
Table 7-49. Radiated Spurious Emissions Measurements TxBF

| | | | |
|---|---|---|--|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 150 of 175 |



Plot 7-190. Radiated Spurious Emissions Above 18GHz TxBF (HDR4, ePA – 5245MHz)

| | | | |
|---|---|-----------------------------------|--|
| FCC ID: BCGA2899 IC: 579C-A2899 |  MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 151 of 175 |



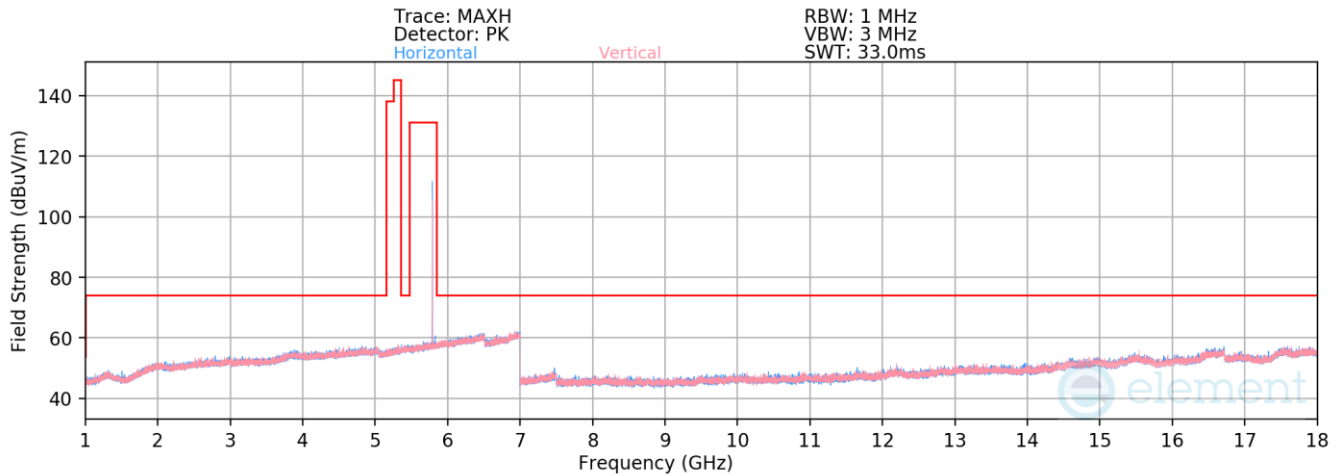
Plot 7-191. Radiated Spurious Emissions 1-18GHz TxBF (HDR4, ePA – 5733MHz)

Mode: HDR4
 Data Rate: 4Mbps
 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 | Average | V | - | - | -79.34 | 9.34 | 37.00 | 53.98 | -16.98 |
| * 11466.00 | Peak | V | - | - | -68.23 | 9.34 | 48.11 | 73.98 | -25.87 |
| 17199.00 | Peak | V | - | - | -68.32 | 16.16 | 54.84 | 68.20 | -13.36 |

Table 7-50. Radiated Spurious Emissions Measurements TxBF

| | | | |
|---|---|---|--|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 152 of 175 |



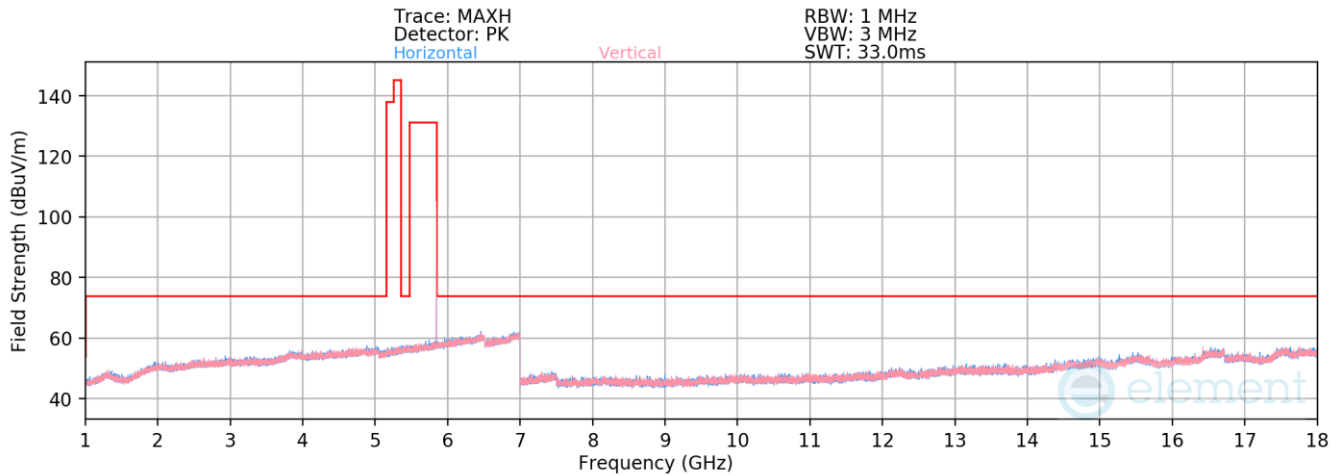
Plot 7-192. Radiated Spurious Emissions 1-18GHz TxBF (HDR4, ePA - 5789MHz)

Mode: HDR4
 Data Rate: 4Mbps
 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 | Average | V | - | - | -79.14 | 9.31 | 37.17 | 53.98 | -16.81 |
| * 11578.00 | Peak | V | - | - | -67.79 | 9.31 | 48.52 | 73.98 | -25.46 |
| 17367.00 | Peak | V | - | - | -68.46 | 17.30 | 55.84 | 68.20 | -12.36 |

Table 7-51. Radiated Spurious Emissions Measurements TxBF

| | | | |
|---|---|---|--|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 153 of 175 |



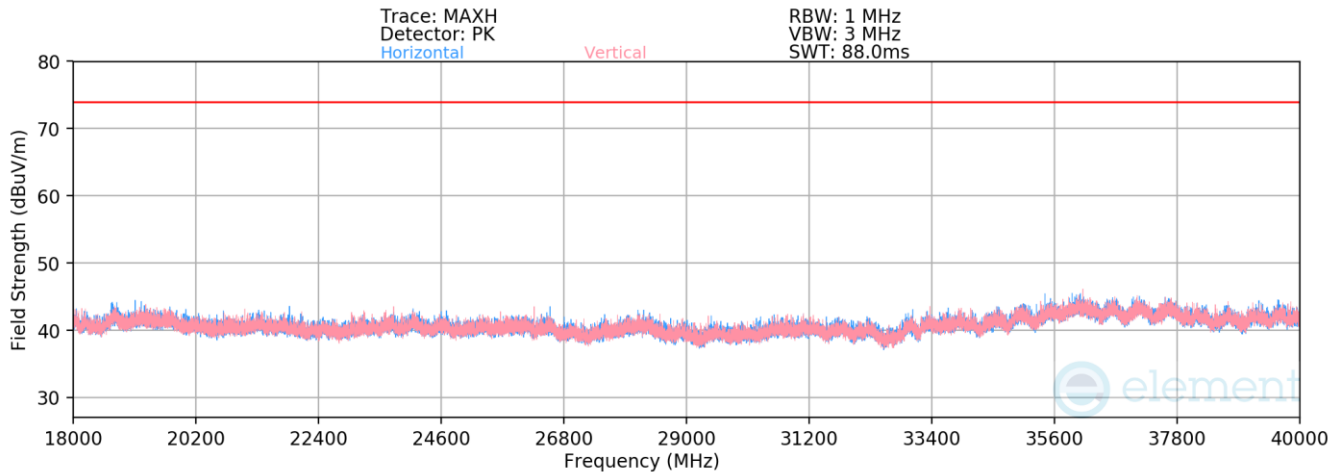
Plot 7-193. Radiated Spurious Emissions 1-18GHz TxBF (HDR4, ePA – 5844MHz)

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

| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | Limit [dBμV/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| * 11688.00 | Average | V | - | - | -78.83 | 9.56 | 37.73 | 53.98 | -16.25 |
| * 11688.00 | Peak | V | - | - | -67.10 | 9.56 | 49.46 | 73.98 | -24.52 |
| 17532.00 | Peak | V | - | - | -79.30 | 18.80 | 46.50 | 68.20 | -21.70 |

Table 7-52. Radiated Spurious Emissions Measurements TxBF

| | | | |
|--|---|---|-----------------------------------|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 154 of 175 |



Plot 7-194. Radiated Spurious Emissions Above 18GHz TxBF (HDR4, ePA – 5844MHz)

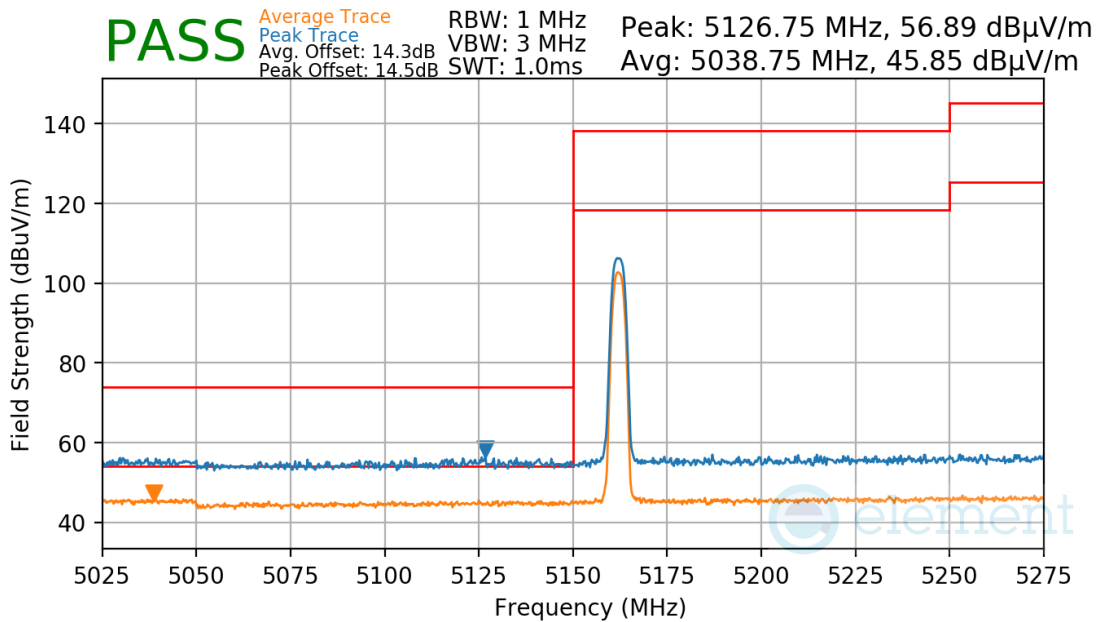
| | | | |
|---|---|-----------------------------------|--|
| FCC ID: BCGA2899 IC: 579C-A2899 |  MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 155 of 175 |

7.6.5 Radiated Band Edge Measurements

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

Antenna 5T

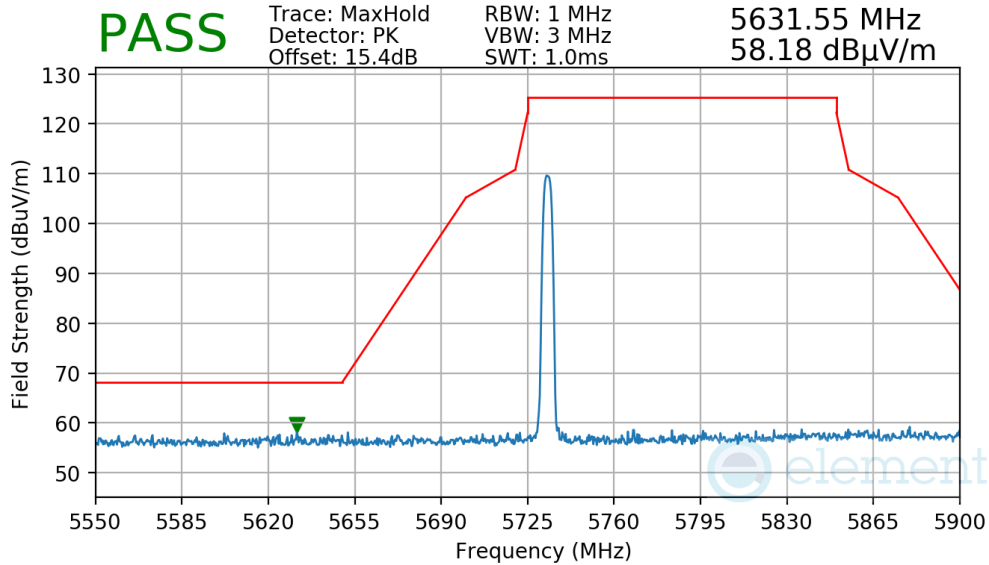
Mode: HDR4
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 5162MHz



Plot 7-195. Radiated Lower Band Edge Measurement Antenna 5T

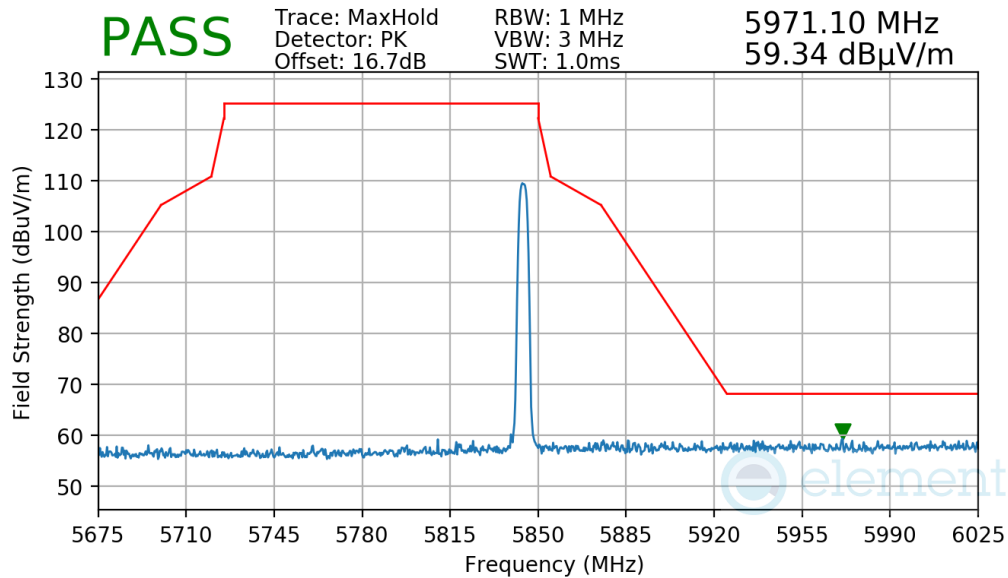
| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 156 of 175 |

Mode: HDR4
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 5733MHz



Plot 7-196. Radiated Lower Band Edge Measurement Antenna 5T

Mode: HDR4
 Measurement Distance: 3 Meters
 Power Scheme: ePA
 Operating Frequency: 5844MHz



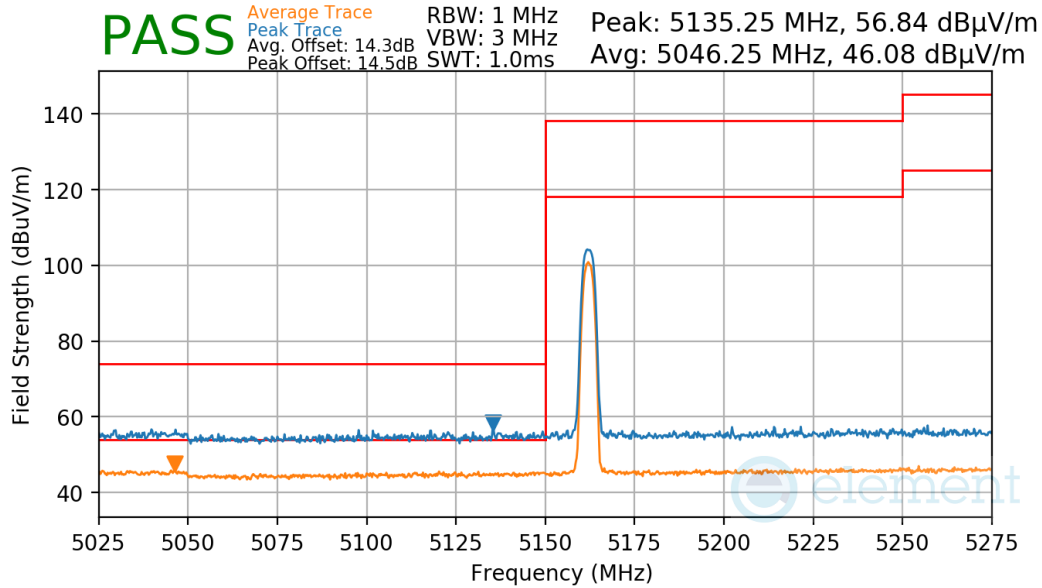
Plot 7-197. Radiated Upper Band Edge Measurement Antenna 5T

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 157 of 175 |

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

Antenna 3b

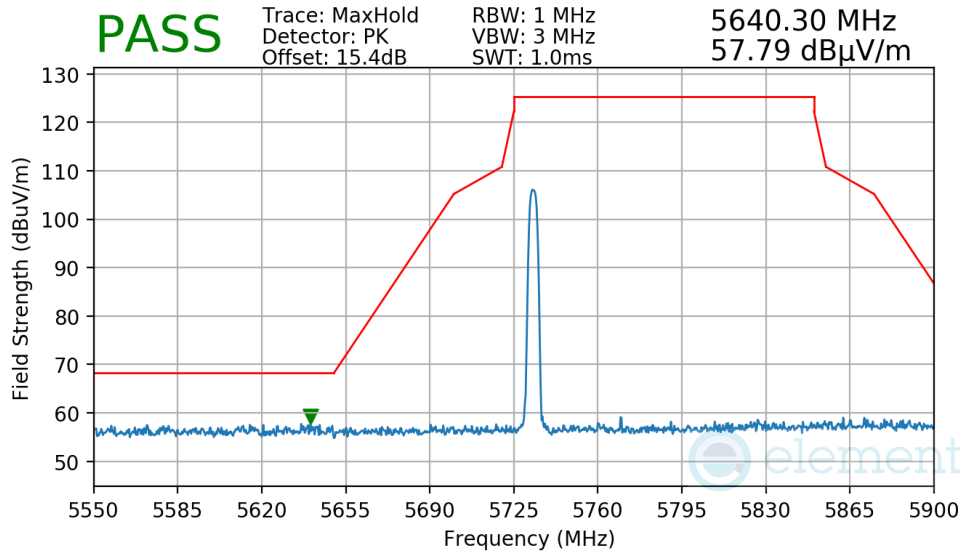
Mode: HDR4
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 5162MHz



Plot 7-198. Radiated Lower Band Edge Measurement Antenna 3b

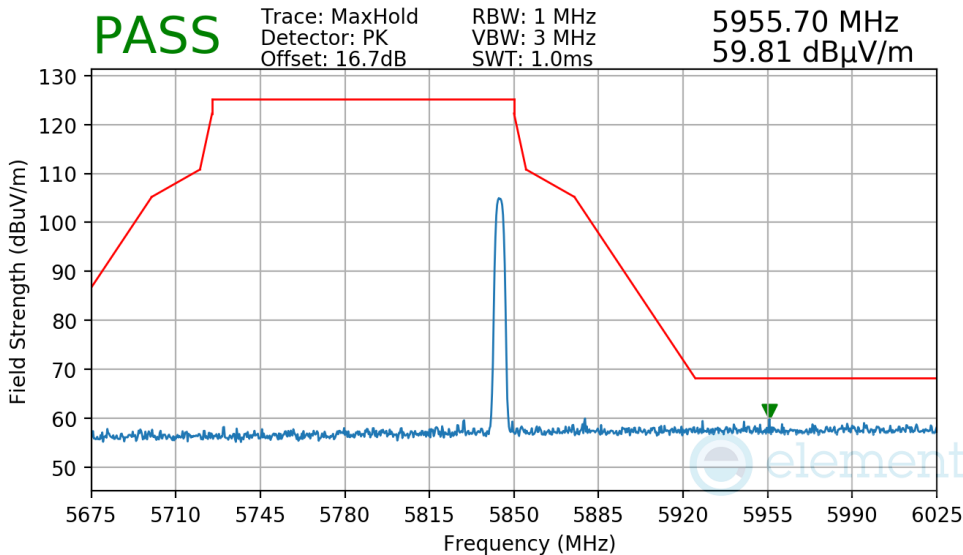
| | | | |
|---|---|--|--|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 158 of 175 |

Mode: HDR4
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 5733MHz



Plot 7-199. Radiated Lower Band Edge Measurement Antenna 3b

Mode: HDR4
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 5844MHz



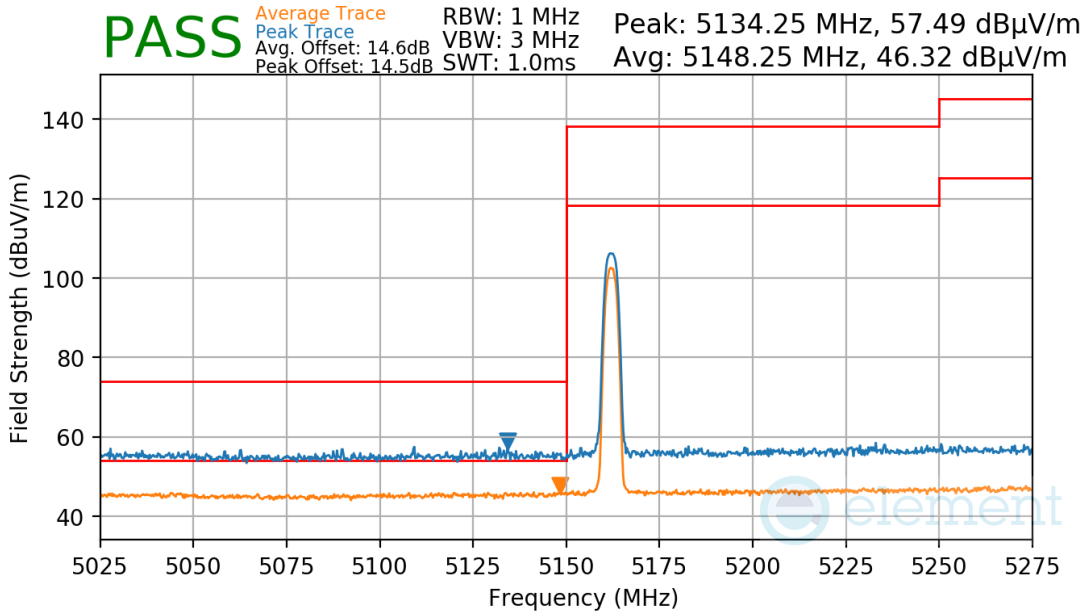
Plot 7-200. Radiated Upper Band Edge Measurement Antenna 3b

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 159 of 175 |

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

Antenna 1b

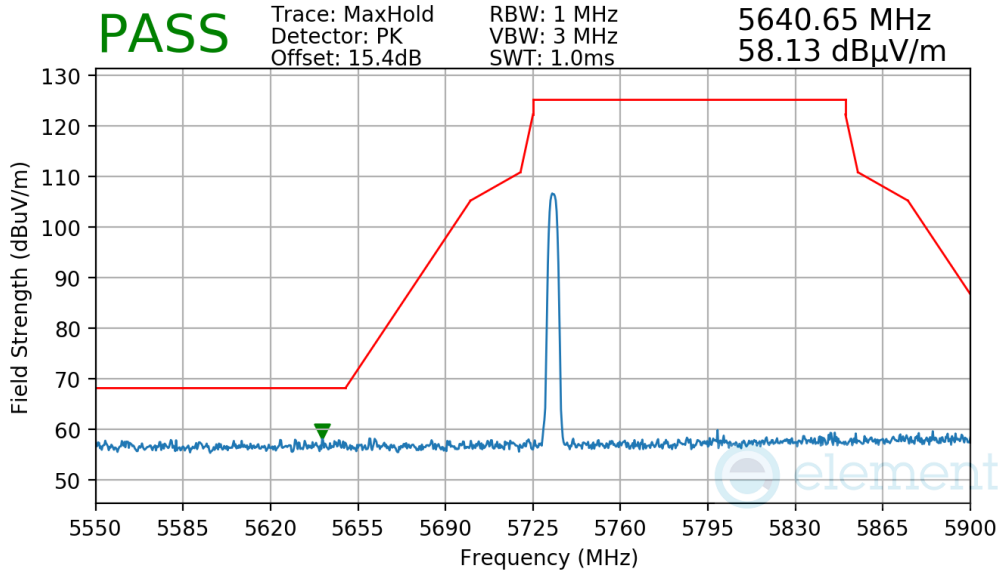
Mode: HDR4
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 5162MHz



Plot 7-201. Radiated Lower Band Edge Measurement Antenna 1b

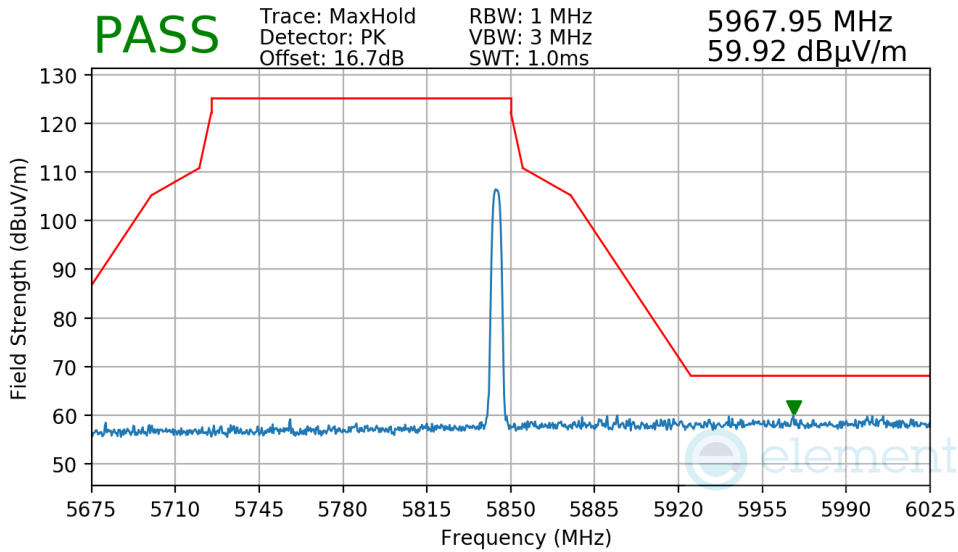
| | | | |
|---|---|--|--|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 160 of 175 |

Mode: HDR4
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 5733MHz



Plot 7-202. Radiated Lower Band Edge Measurement Antenna 1b

Mode: HDR4
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 5844MHz



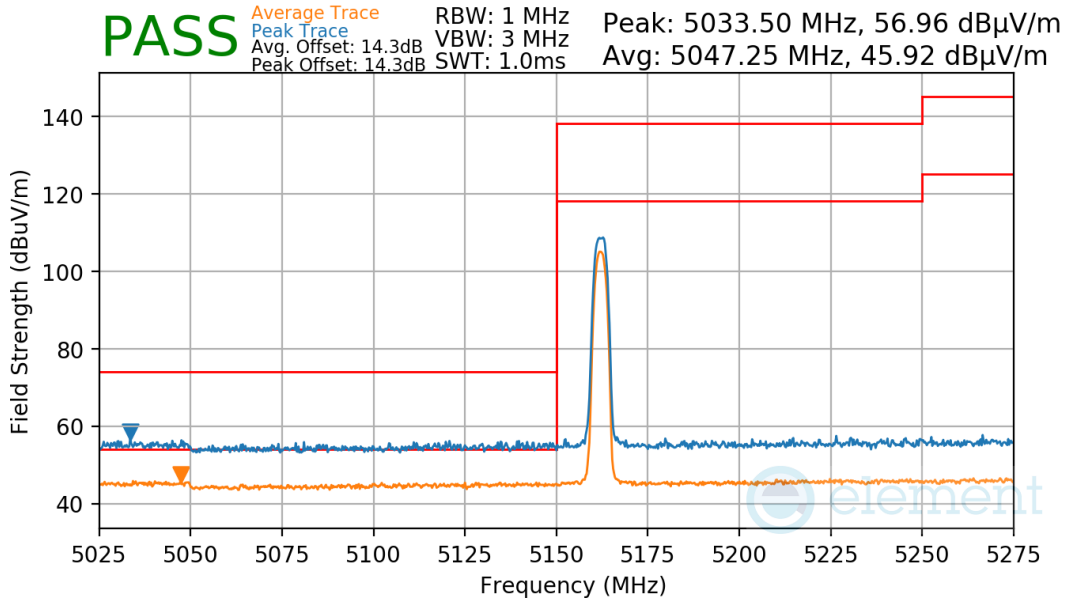
Plot 7-203. Radiated Upper Band Edge Measurement Antenna 1b

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|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 161 of 175 |

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

Antenna TxBF

Mode: HDR4
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 5162MHz



Plot 7-204. Radiated Lower Band Edge Measurement TxBF

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2899 IC: 579C-A2899 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2311270066-22-R1.BCG | Test Dates: 11/29/2023 - 3/21/2024 | EUT Type: Tablet Device | Page 162 of 175 |