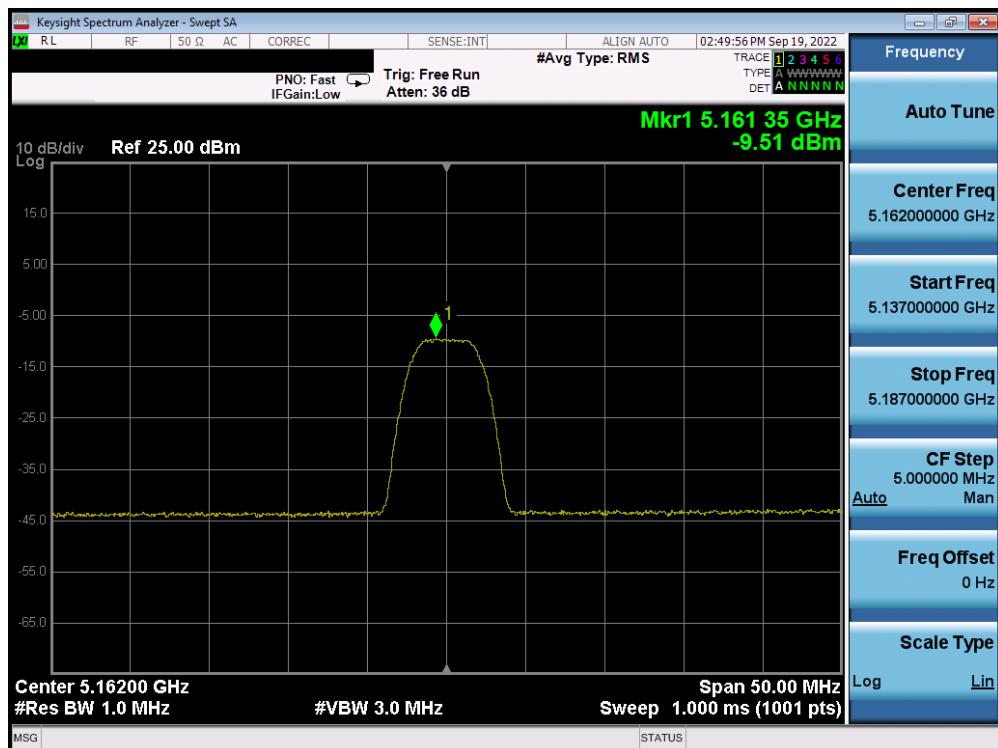
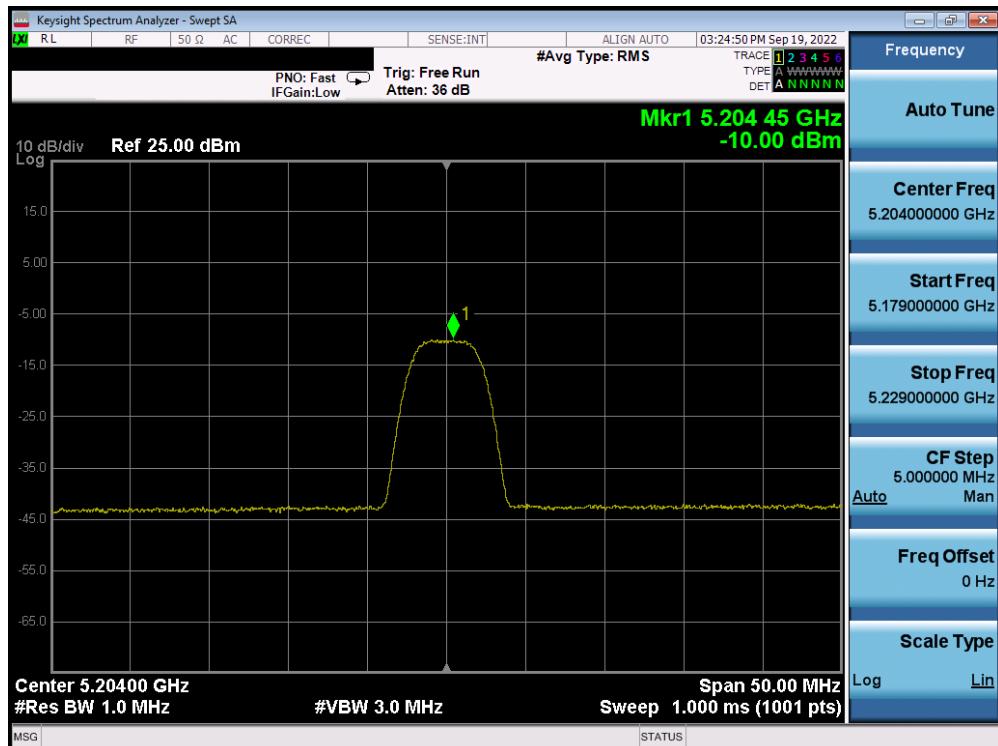


Plot 7-91. PSD TxBF Antenna 5b (HDR8, iPA, 5162MHz)

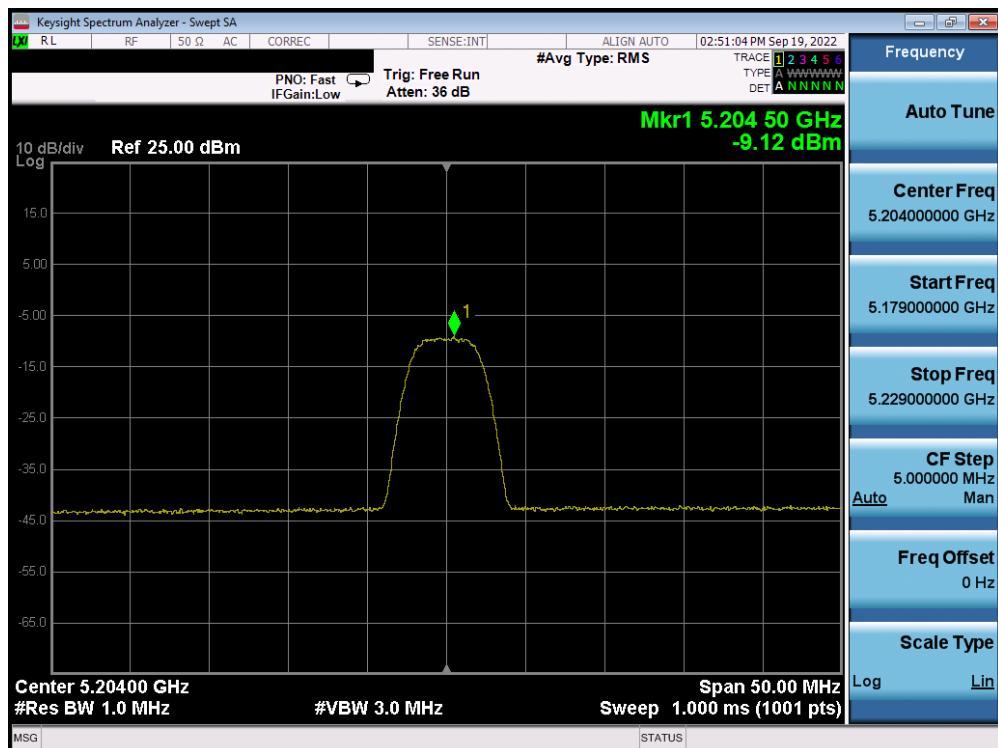


Plot 7-92. PSD TxBF Antenna 4a (HDR8, iPA, 5162MHz)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | Page 77 of 137 |

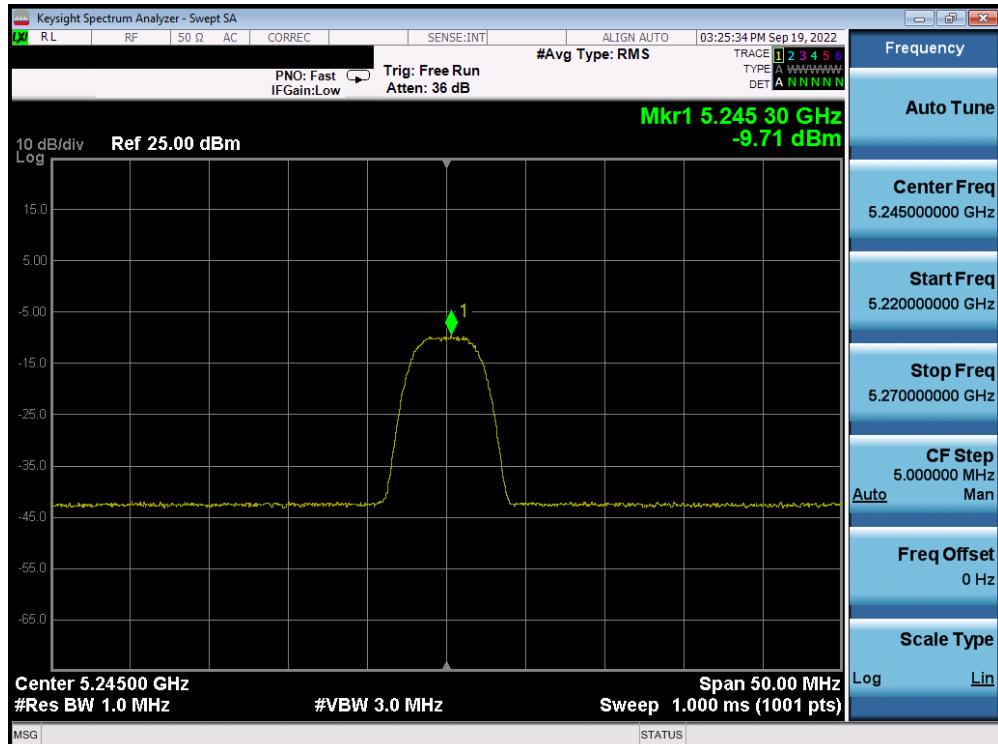


Plot 7-93. PSD TxBF Antenna 5b (HDR8, iPA, 5204MHz)

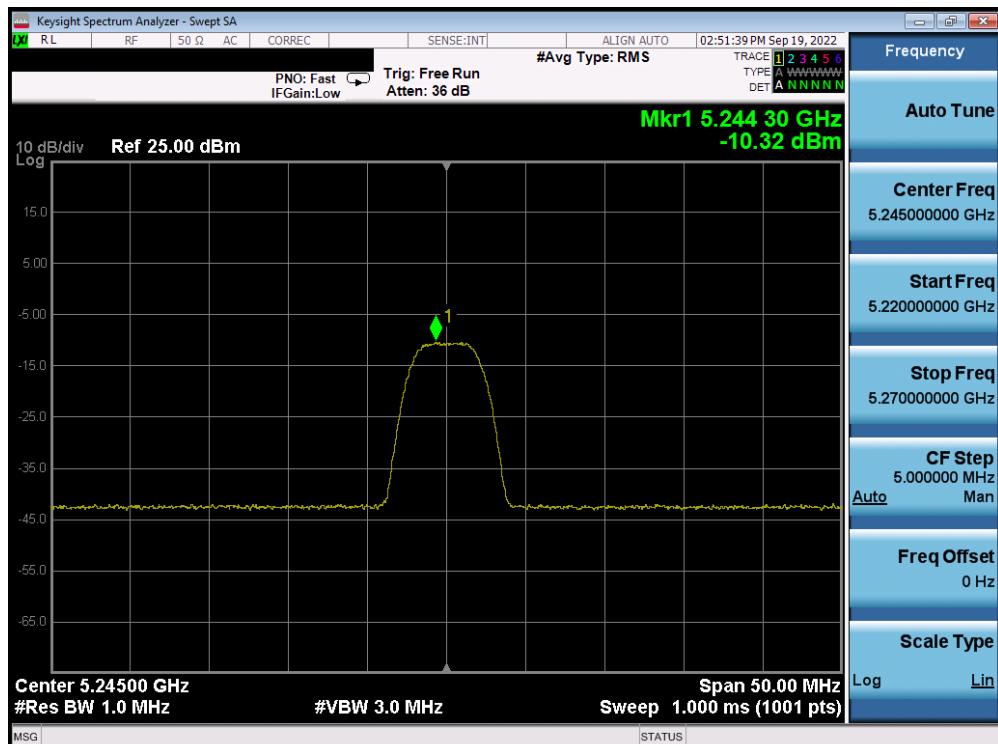


Plot 7-94. PSD TxBF Antenna 4a (HDR8, iPA, 5204MHz)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | Page 78 of 137 |



Plot 7-95. PSD TxBF Antenna 5b (HDR8, iPA, 5245MHz)



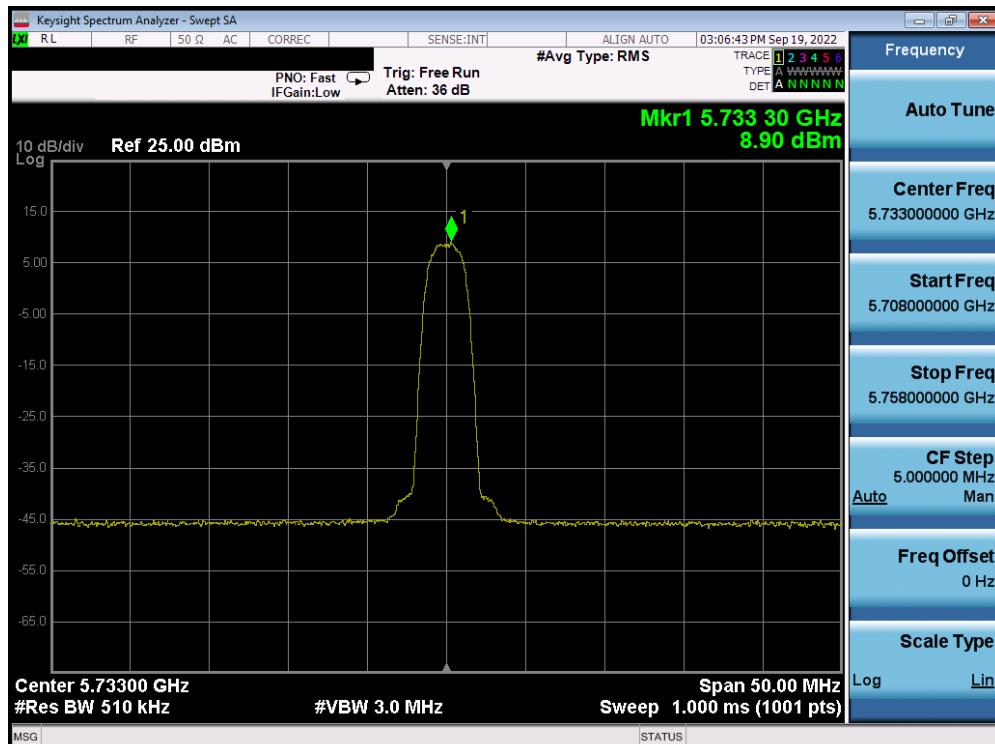
Plot 7-96. PSD TxBF Antenna 4a (HDR8, iPA, 5245MHz)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | Page 79 of 137 |

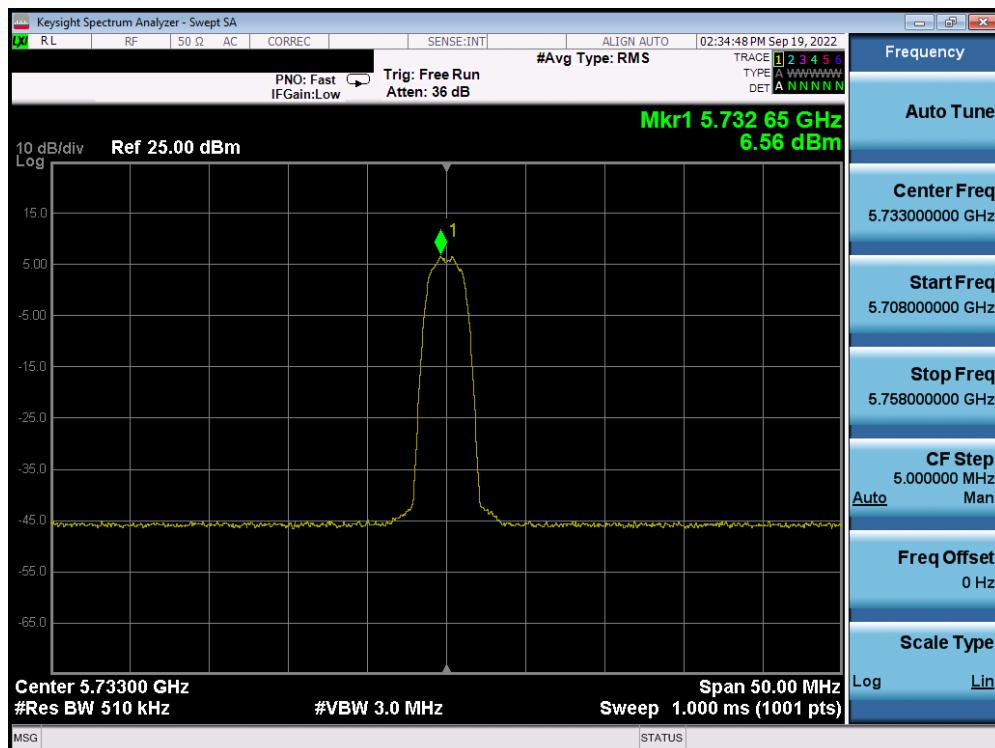
| | Frequency [MHz] | Mode | Power Scheme | Antenna 5b Power Density [dBm/500kHz] | Antenna 4a Power Density [dBm/500kHz] | Summed Power Density [dBm/500kHz] | Max Permissible Power Density [dBm/500kHz] | Margin [dB] |
|--------|-----------------|------|--------------|---------------------------------------|---------------------------------------|-----------------------------------|--|-------------|
| Band 3 | 5733 | HDR4 | ePA | 8.90 | 6.56 | 10.90 | 30.0 | -19.10 |
| | 5789 | HDR4 | ePA | 8.69 | 6.50 | 10.74 | 30.0 | -19.26 |
| | 5844 | HDR4 | ePA | 9.55 | 6.67 | 11.35 | 30.0 | -18.65 |
| | 5733 | HDR8 | ePA | 5.92 | 3.16 | 7.77 | 30.0 | -22.23 |
| | 5789 | HDR8 | ePA | 5.74 | 3.27 | 7.69 | 30.0 | -22.31 |
| | 5844 | HDR8 | ePA | 6.70 | 3.26 | 8.32 | 30.0 | -21.68 |
| | 5733 | HDR4 | iPA | -6.37 | -5.22 | -2.75 | 30.0 | -32.75 |
| | 5789 | HDR4 | iPA | -5.46 | -4.78 | -2.10 | 30.0 | -32.10 |
| | 5844 | HDR4 | iPA | -4.70 | -4.87 | -1.77 | 30.0 | -31.77 |
| | 5733 | HDR8 | iPA | -9.28 | -7.95 | -5.55 | 30.0 | -35.55 |
| | 5789 | HDR8 | iPA | -9.69 | -8.59 | -6.09 | 30.0 | -36.09 |
| | 5844 | HDR8 | iPA | -8.31 | -7.78 | -5.03 | 30.0 | -35.03 |

Table 7-14. Power Spectral Density Measurements

| | | | | |
|--|-------------------------------------|----------------------------|--|-----------------------------------|
| FCC ID: BCGA2764 | MEASUREMENT REPORT (CERTIFICATION) | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | | Page 80 of 137 |

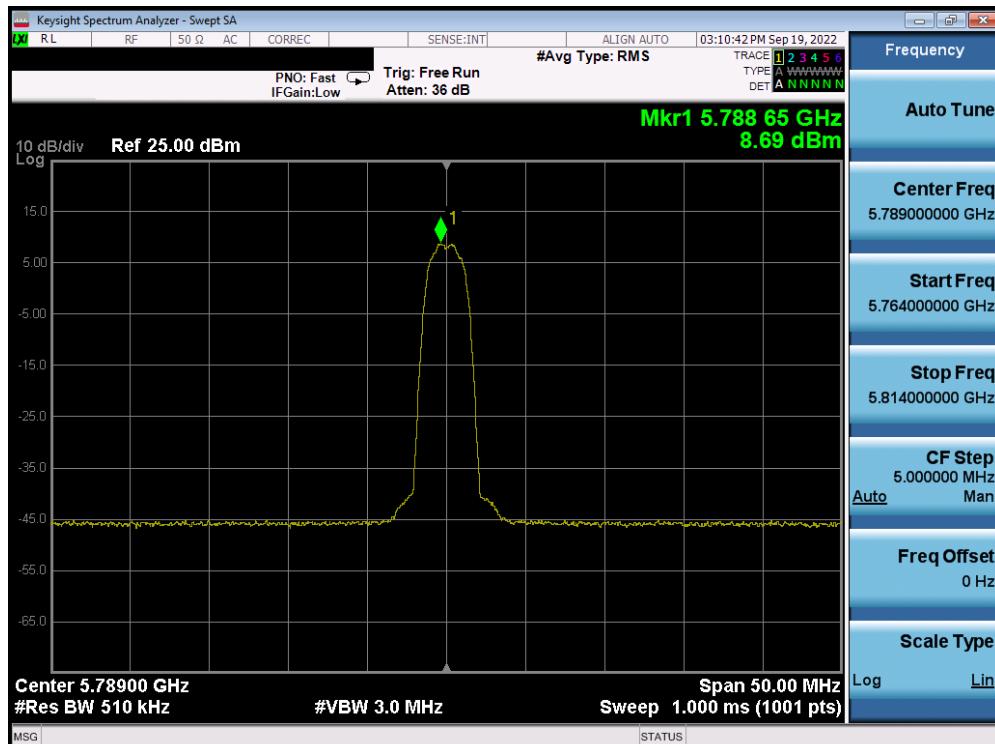


Plot 7-97. PSD TxBF Antenna 5b (HDR4, ePA, 5733MHz)

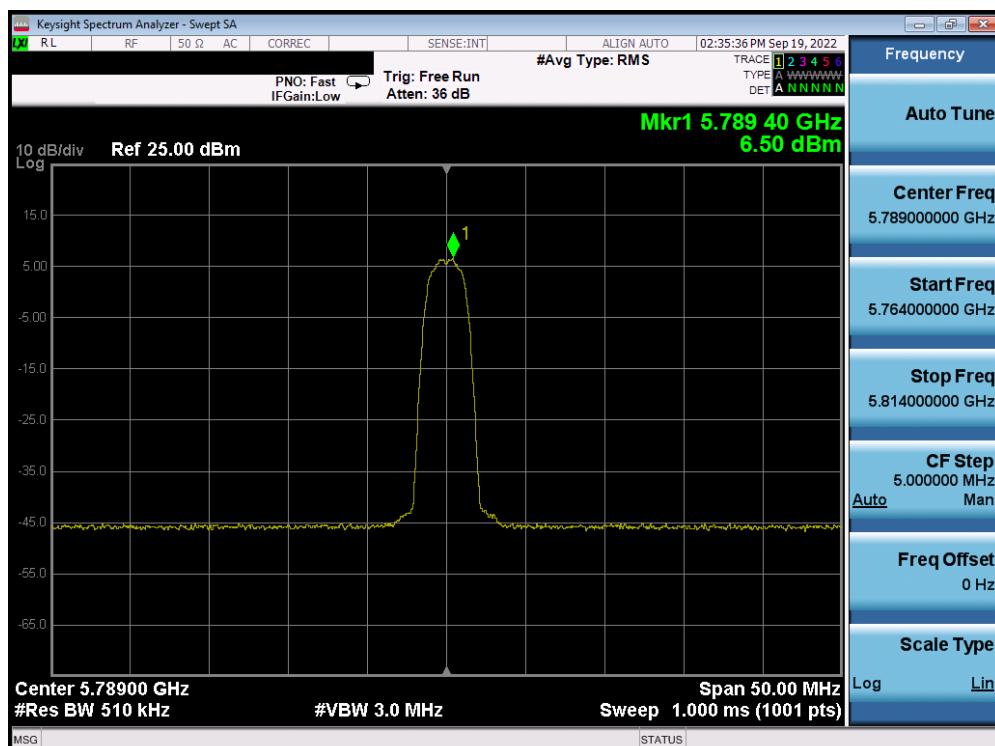


Plot 7-98. PSD TxBF Antenna 4a (HDR4, ePA, 5733MHz)

| | | | |
|--|---|------------------------------------|-----------------------------------|
| FCC ID: BCGA2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | Page 81 of 137 |

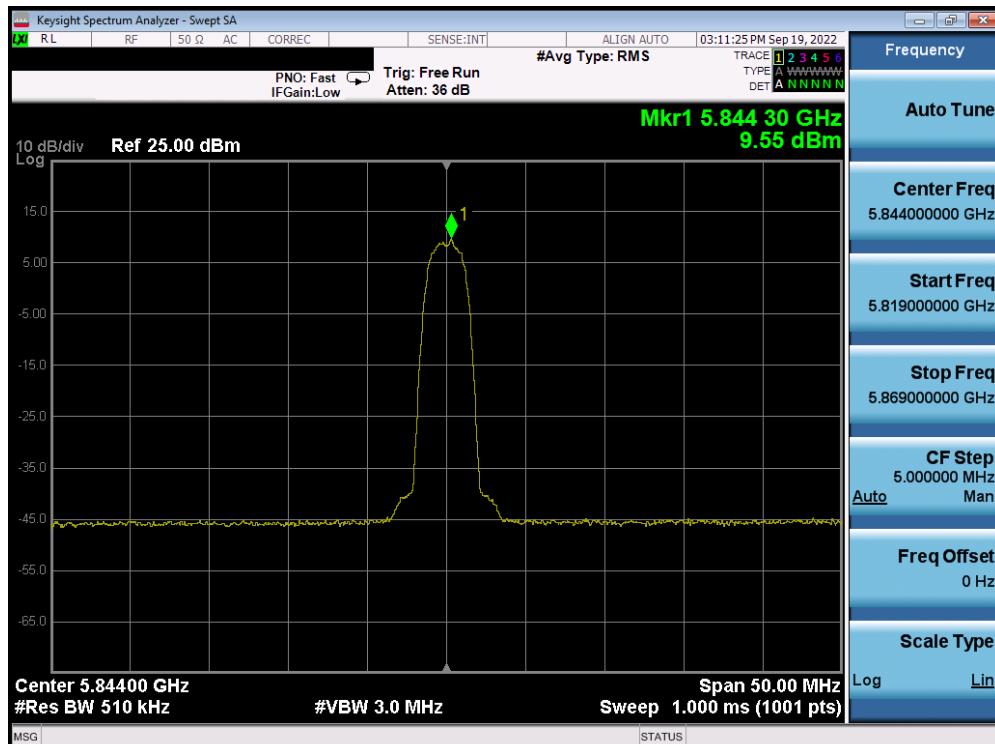


Plot 7-99. PSD TxBF Antenna 5b (HDR4, ePA, 5789MHz)

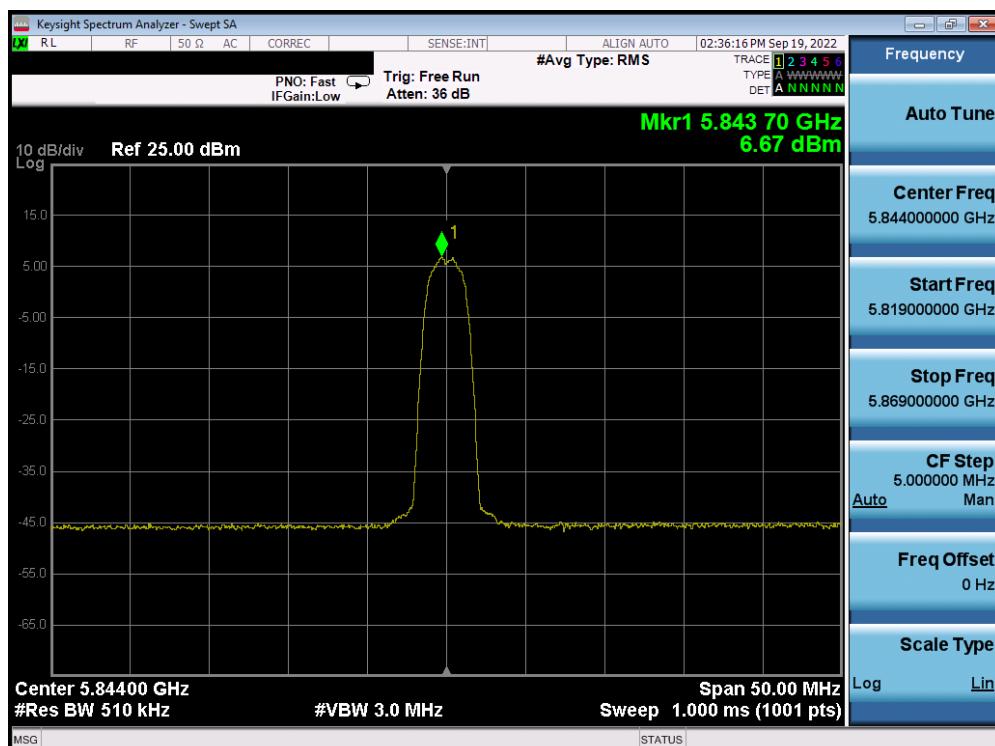


Plot 7-100. PSD TxBF Antenna 4a (HDR4, ePA, 5789MHz)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | Page 82 of 137 |

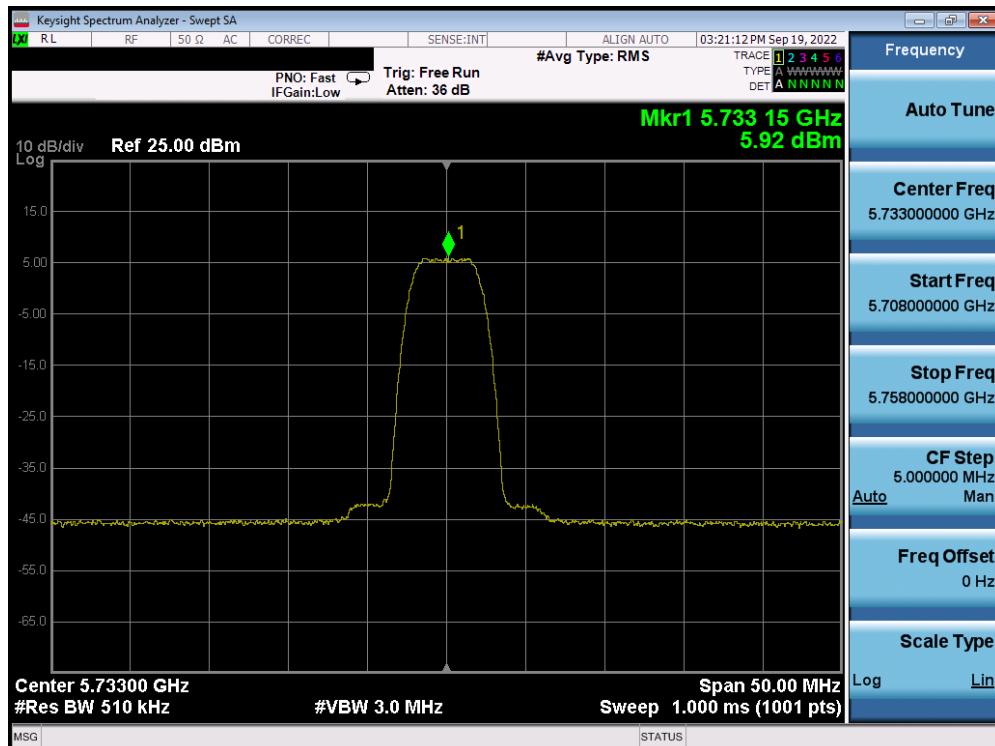


Plot 7-101. PSD TxBF Antenna 5b (HDR4, ePA, 5844MHz)

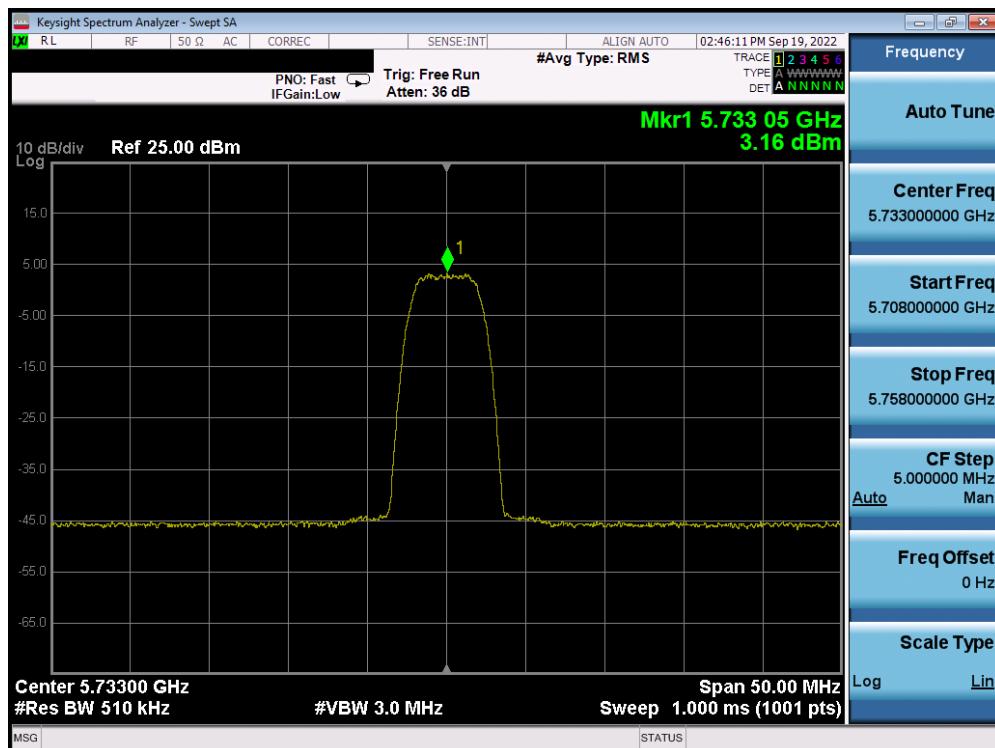


Plot 7-102. PSD TxBF Antenna 4a (HDR4, ePA, 5844MHz)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2764 |  | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | Page 83 of 137 |

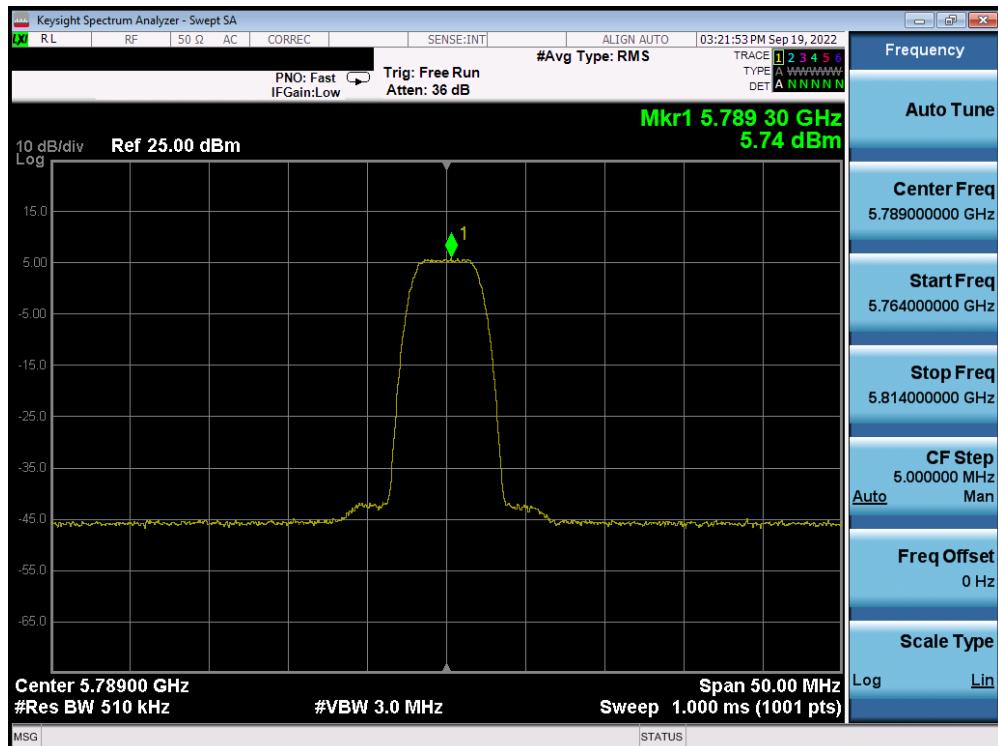


Plot 7-103. PSD TxBF Antenna 5b (HDR8, ePA, 5733MHz)

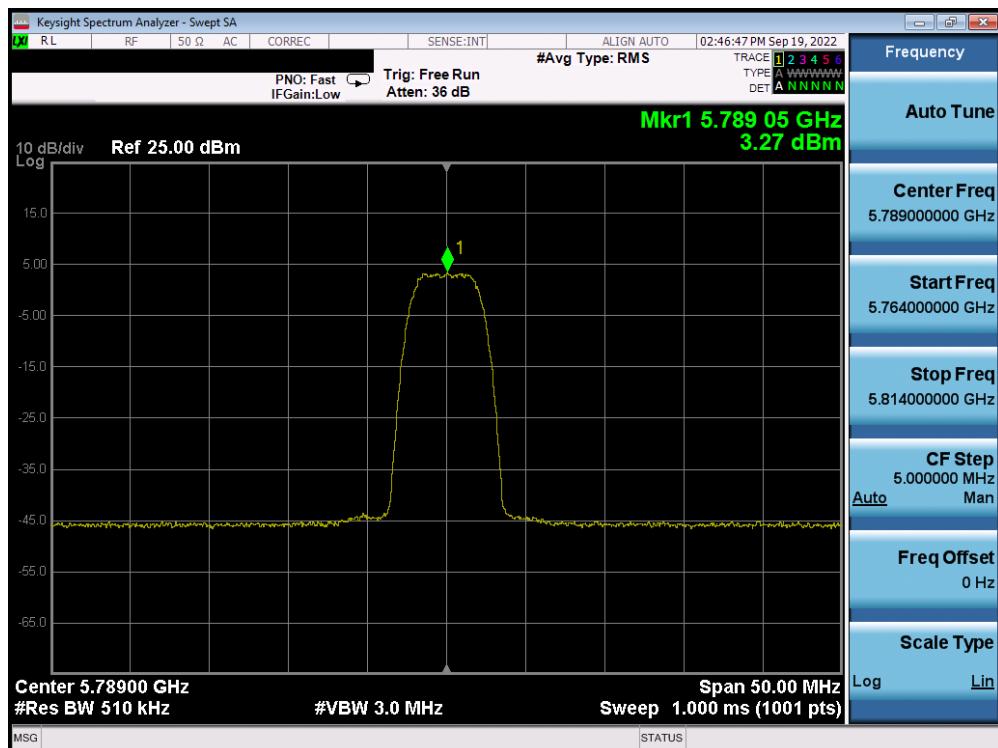


Plot 7-104. PSD TxBF Antenna 4a (HDR8, ePA, 5733MHz)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | Page 84 of 137 |

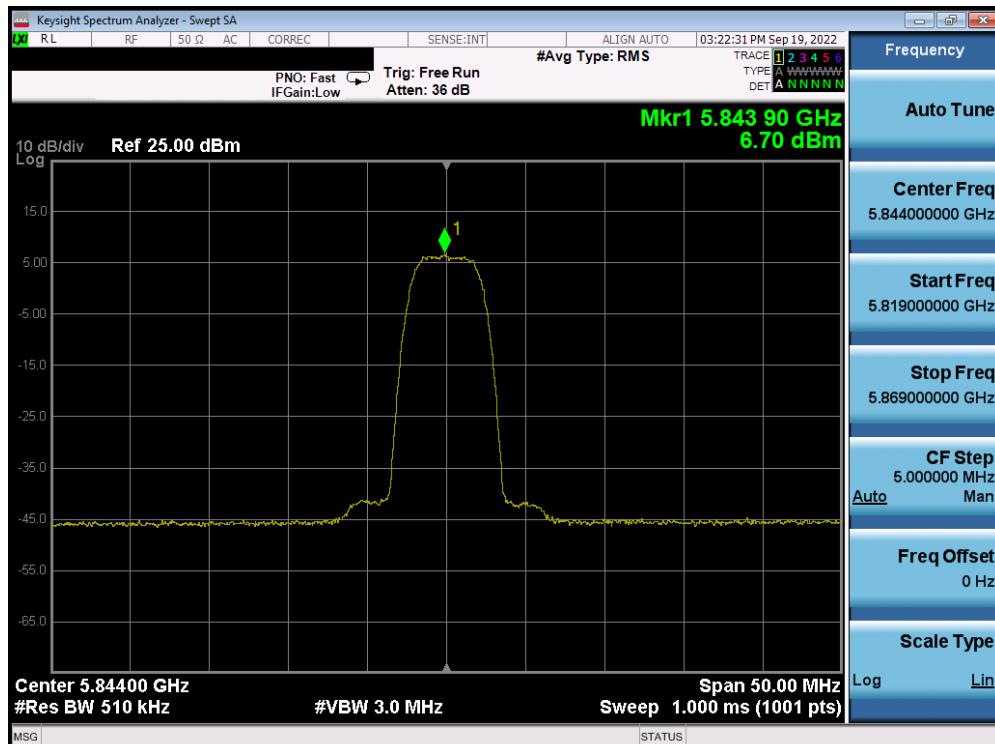


Plot 7-105. PSD TxBF Antenna 5b (HDR8, ePA, 5789MHz)

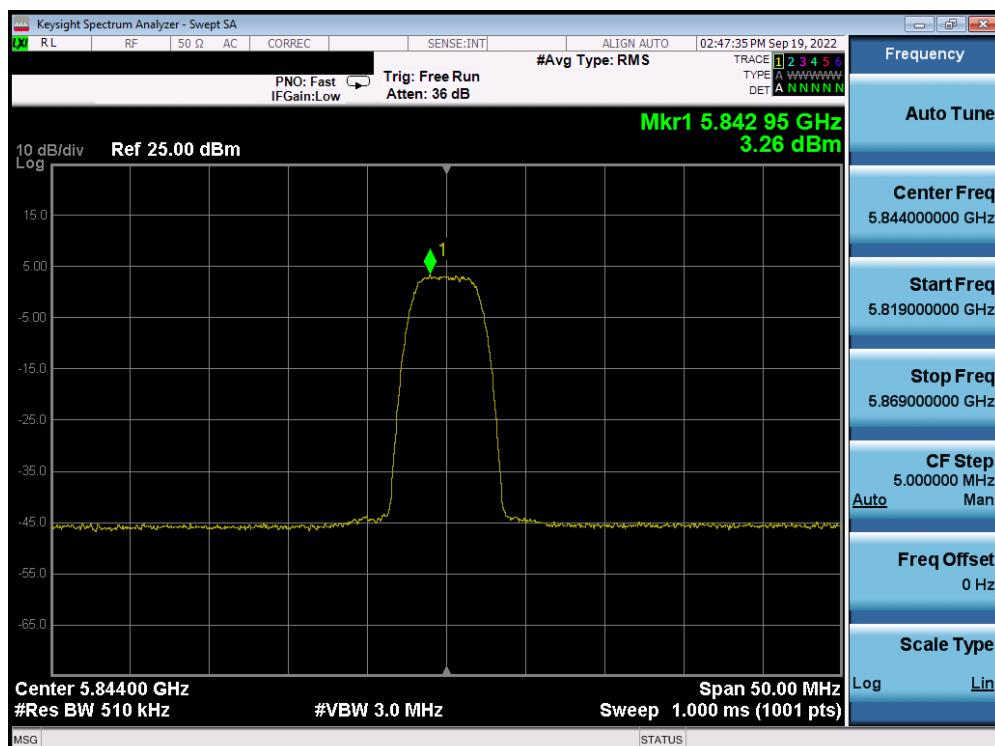


Plot 7-106. PSD TxBF Antenna 4a (HDR8, ePA, 5789MHz)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | Page 85 of 137 |

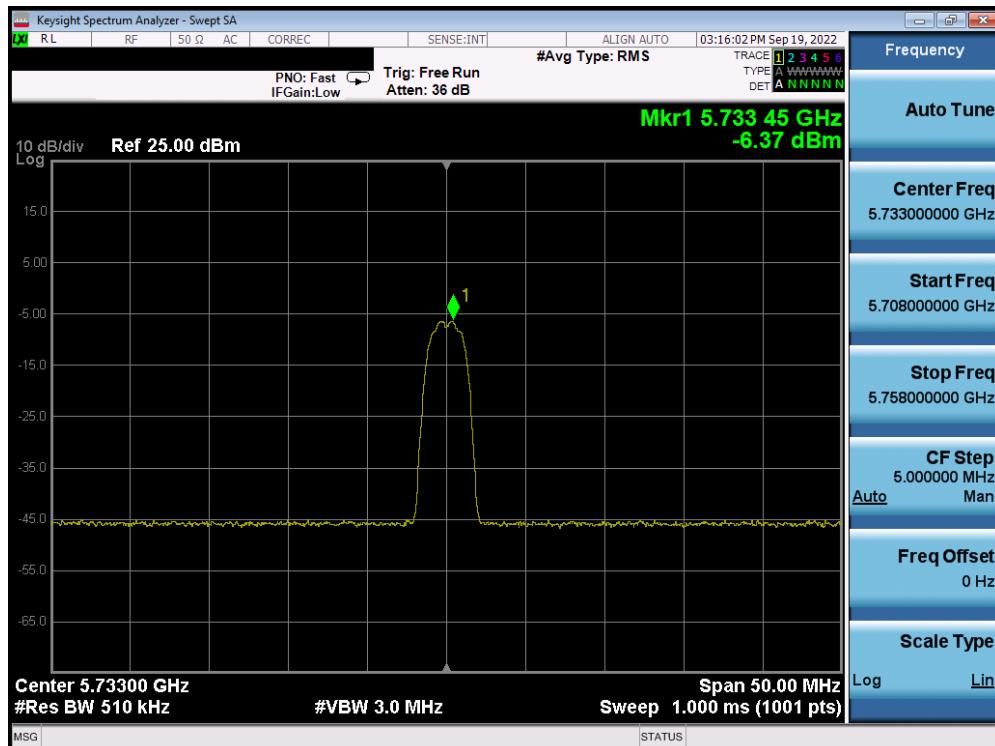


Plot 7-107. PSD TxBF Antenna 5b (HDR8, ePA, 5844MHz)

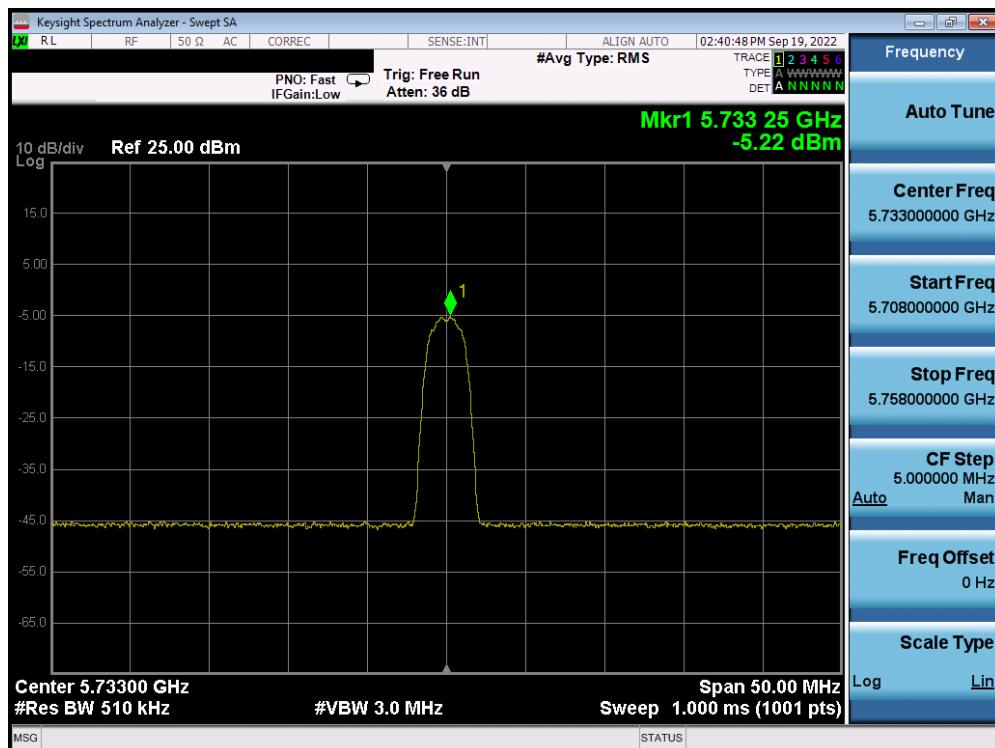


Plot 7-108. PSD TxBF Antenna 4a (HDR8, ePA, 5844MHz)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | Page 86 of 137 |

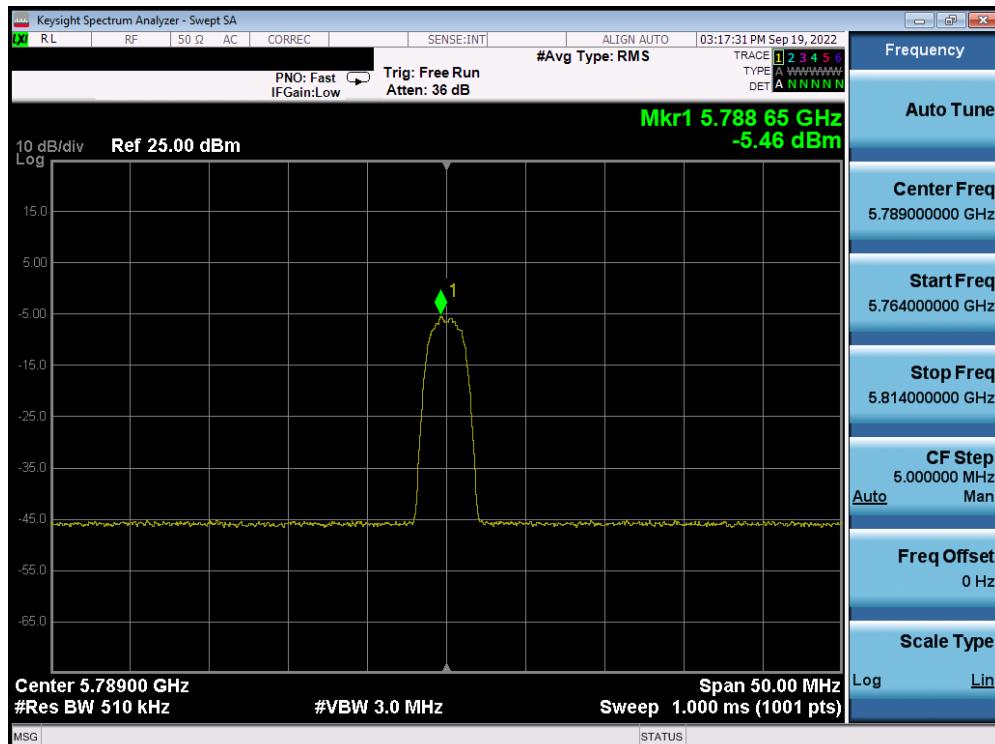


Plot 7-109. PSD TxBF Antenna 5b (HDR4, iPA, 5733MHz)

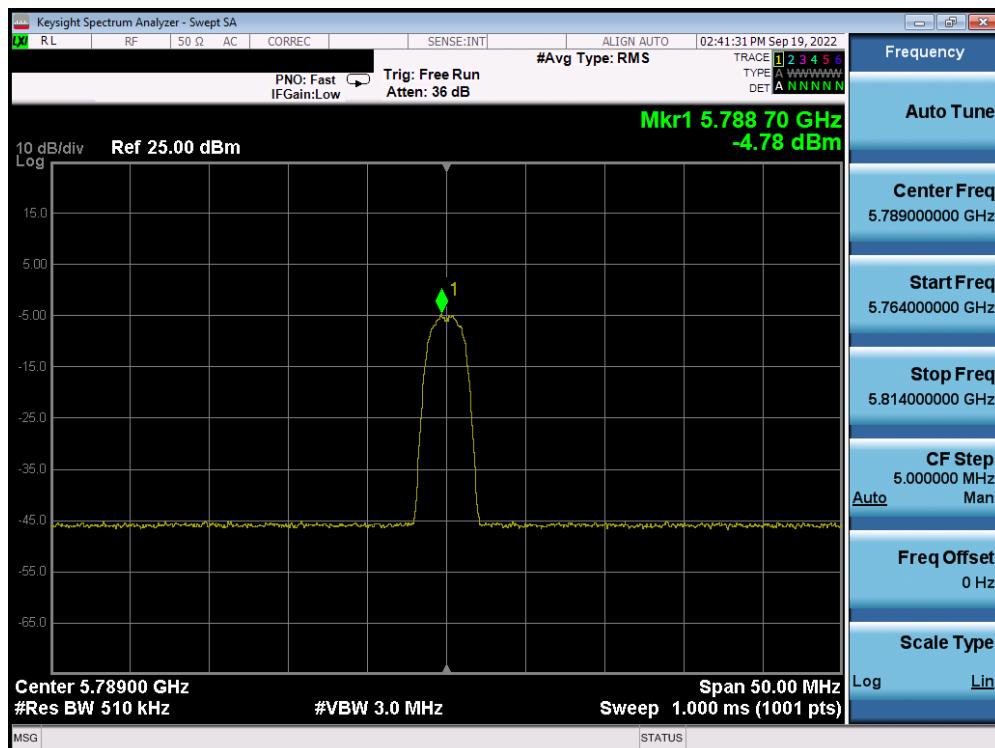


Plot 7-110. PSD TxBF Antenna 4a (HDR4, iPA, 5733MHz)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | Page 87 of 137 |

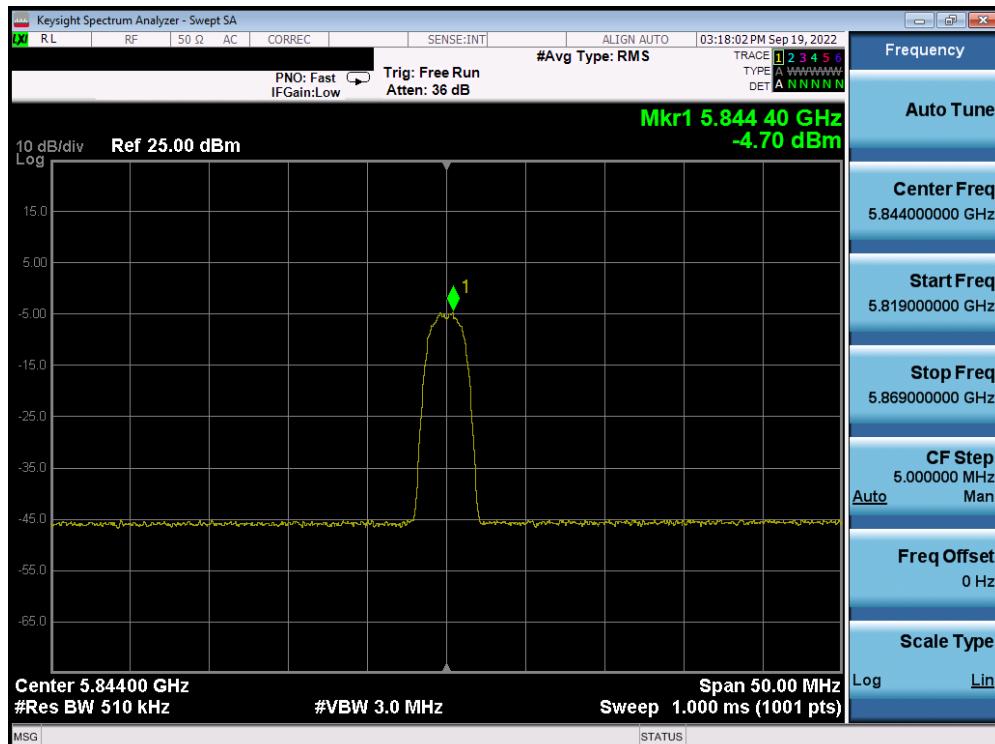


Plot 7-111. PSD TxBF Antenna 5b (HDR4, iPA, 5789MHz)

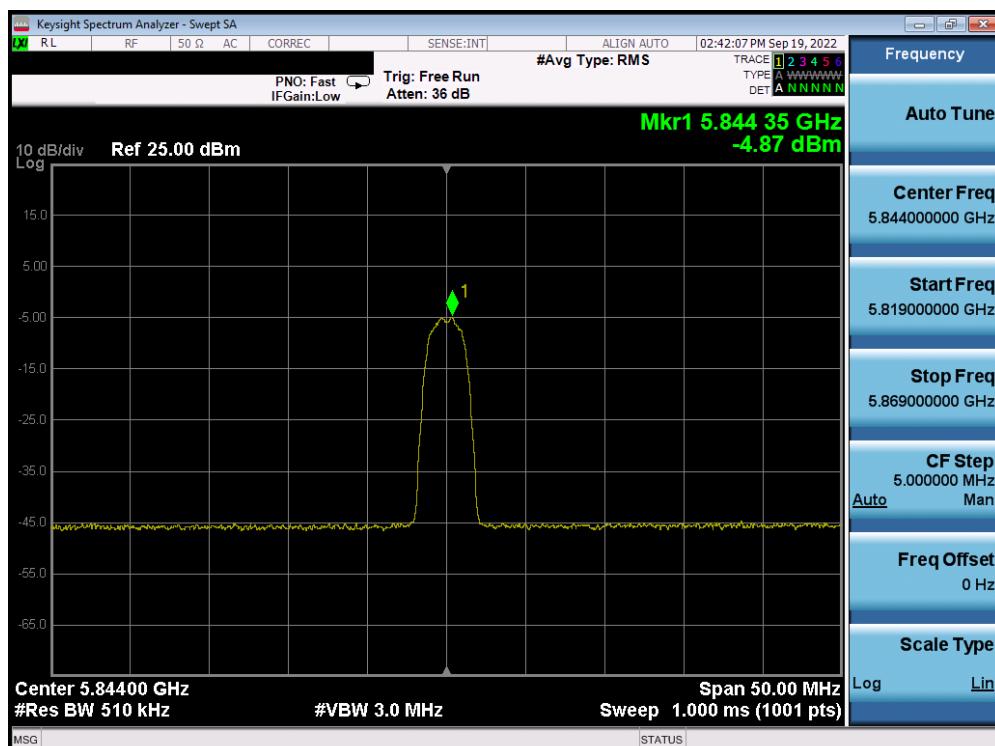


Plot 7-112. PSD TxBF Antenna 4a (HDR4, iPA, 5789MHz)

| | | | |
|--|---|------------------------------------|-----------------------------------|
| FCC ID: BCGA2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | Page 88 of 137 |

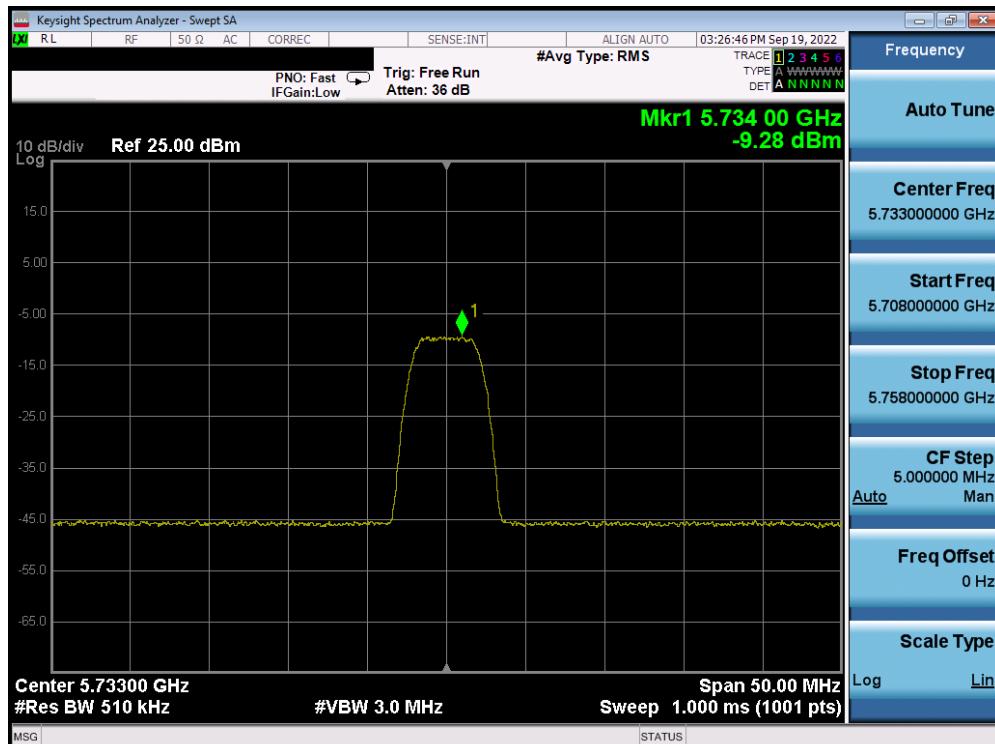


Plot 7-113. PSD TxBF Antenna 5b (HDR4, iPA, 5844MHz)

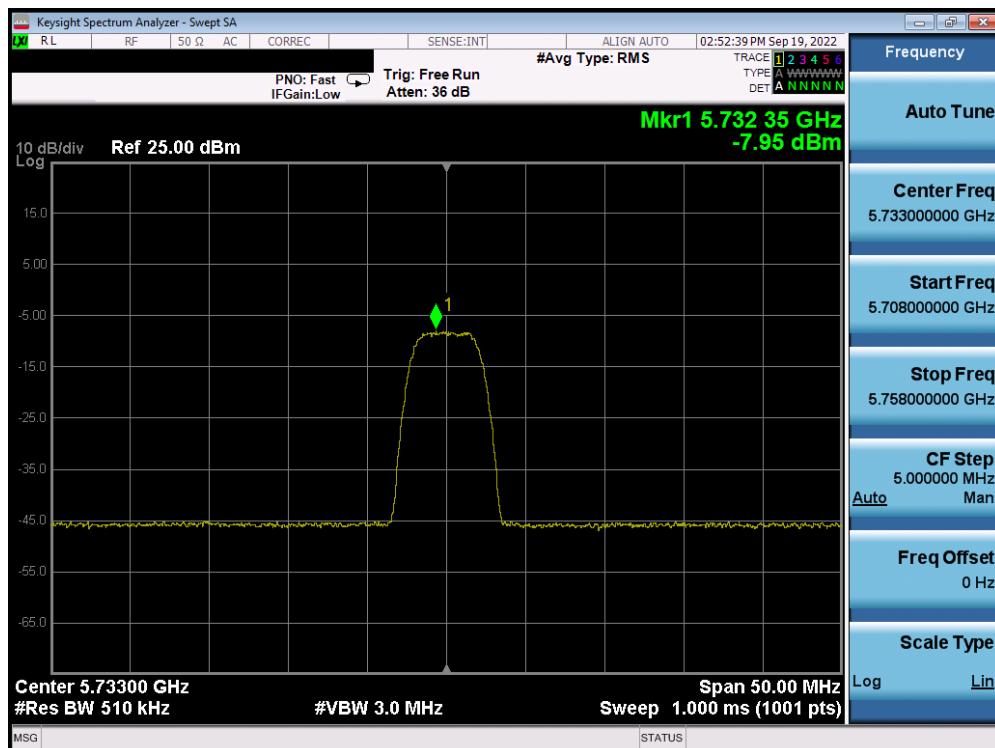


Plot 7-114. PSD TxBF Antenna 4a (HDR4, iPA, 5844MHz)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | Page 89 of 137 |

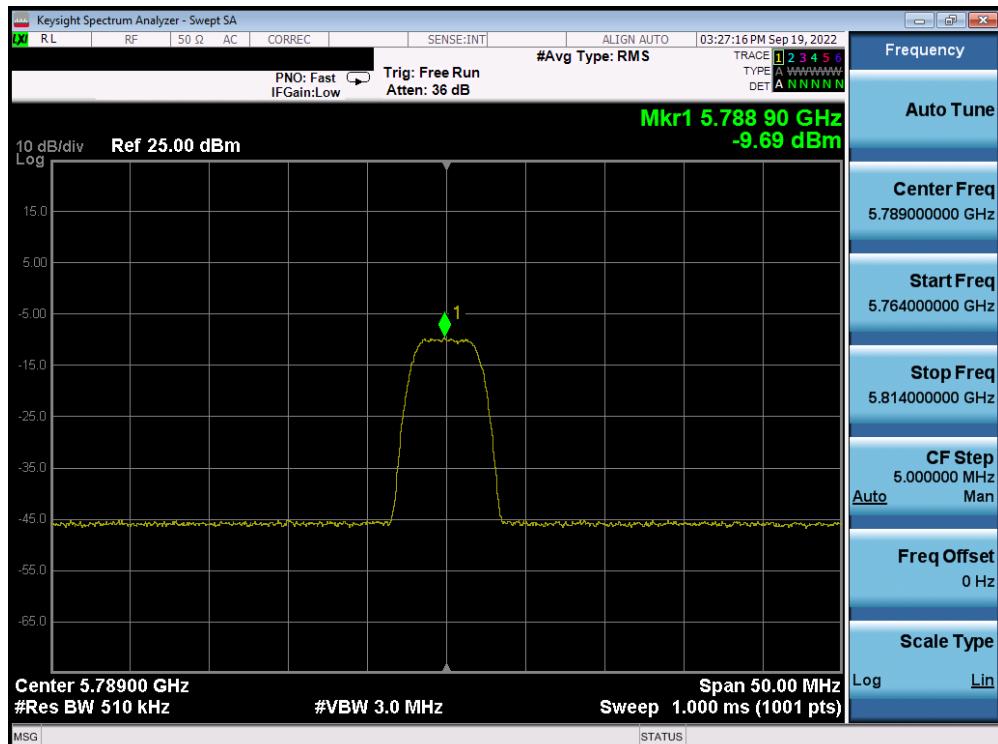


Plot 7-115. PSD TxBF Antenna 5b (HDR8, iPA, 5733MHz)

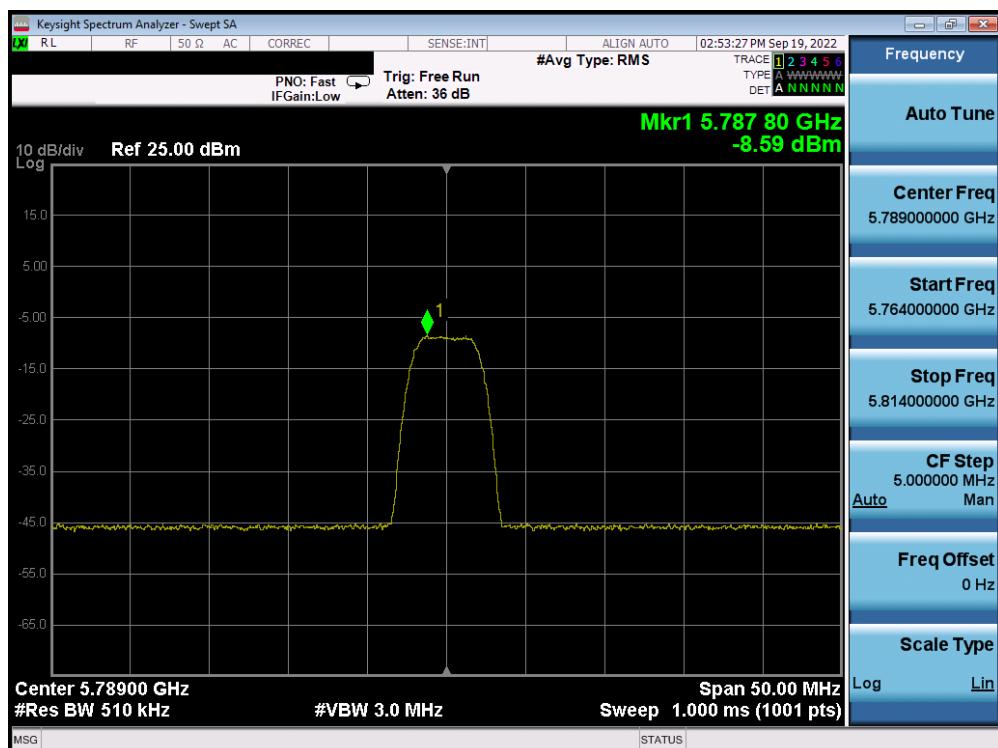


Plot 7-116. PSD TxBF Antenna 4a (HDR8, iPA, 5733MHz)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | Page 90 of 137 |

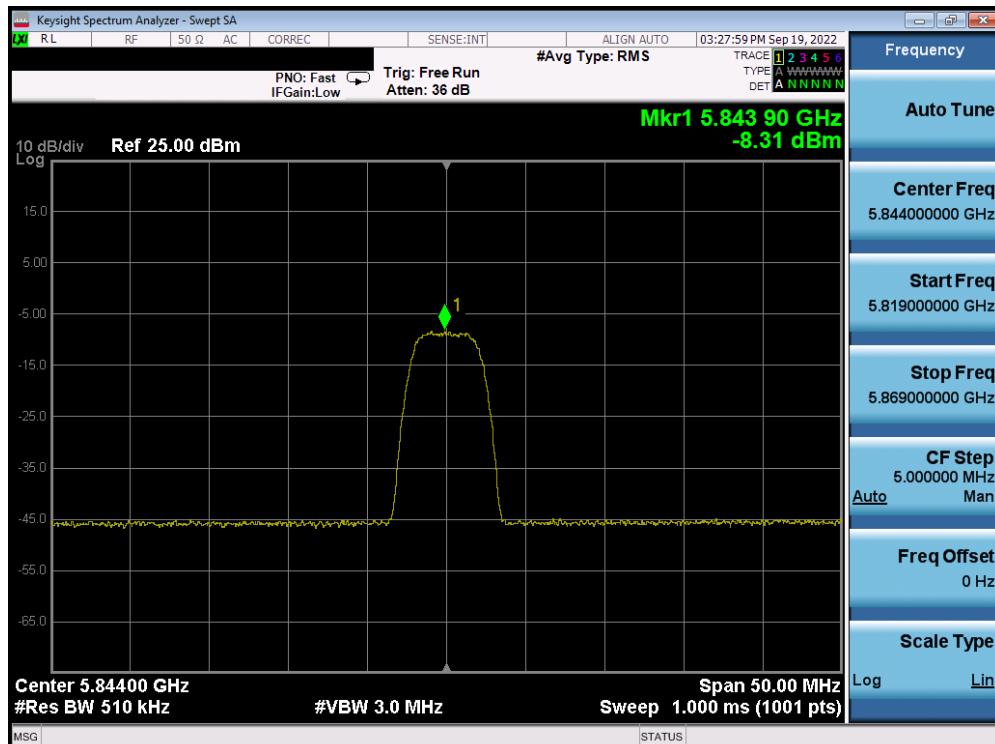


Plot 7-117. PSD TxBF Antenna 5b (HDR8, iPA, 5789MHz)

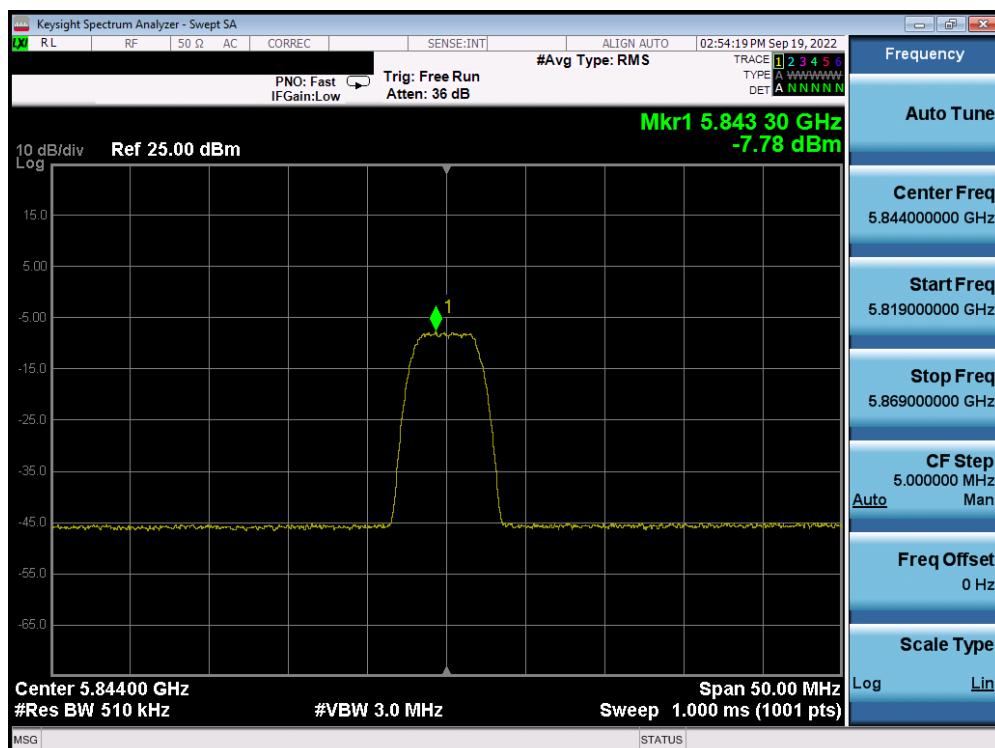


Plot 7-118. PSD TxBF Antenna 4a (HDR8, iPA, 5789MHz)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | Page 91 of 137 |



Plot 7-119. PSD TxBF Antenna 5b (HDR8, iPA, 5844MHz)



Plot 7-120. PSD TxBF Antenna 4a (HDR8, iPA, 5844MHz)

| | | | |
|--|---|------------------------------------|-----------------------------------|
| FCC ID: BCGA2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | Page 92 of 137 |

**Note:**

Per ANSI C63.10-2013 Subclause 14.3.2.2 and KDB 662911 v02r01 Section E(2), the power spectral density at Antenna 5b and Antenna 4a 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 8.90 dBm for Antenna 5b and 6.56 dBm for Antenna 4a.

$$\text{Antenna 5b} + \text{Antenna 4a} = \text{TxBF}$$

$$(8.90 \text{ dBm} + 6.56 \text{ dBm}) = (7.762 \text{ mW} + 4.529 \text{ mW}) = 12.291 \text{ mW} = 10.90 \text{ dBm}$$

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | Page 93 of 137 |

7.6 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 C63.10-2013 and KDB 789033 D02 v02r01, and at the appropriate frequencies. All channels and data rates 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 C63.10-2013 – Subclauses 12.7.7.2, 12.7.6, 12.7.5

KDB 789033 D02 v02r01 – Section G

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | Page 94 of 137 |

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 $\geq 2 \times \text{span}/\text{RBW}$)
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.

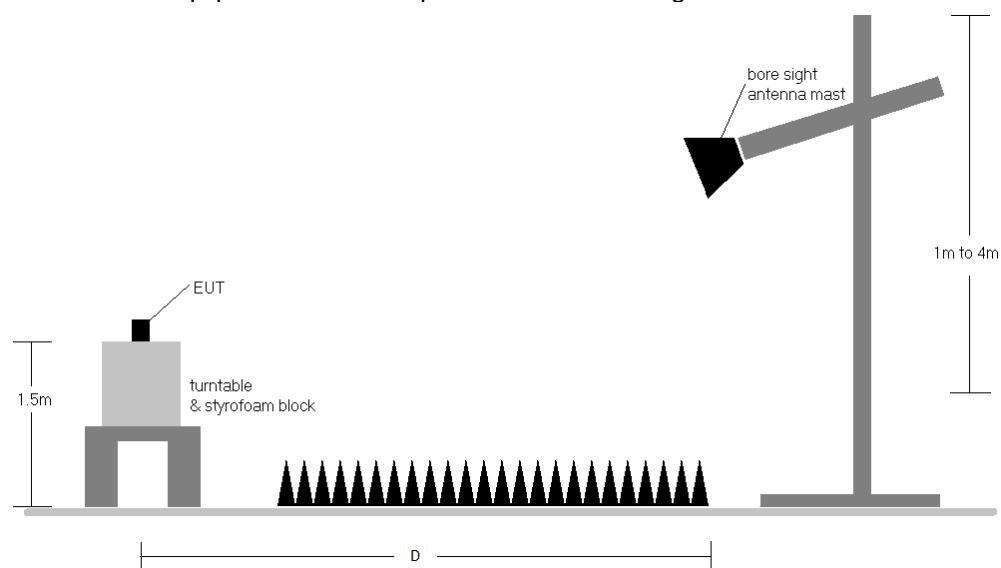


Figure 7-5. Test Instrument & Measurement Setup

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | Page 95 of 137 |

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 are 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 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]

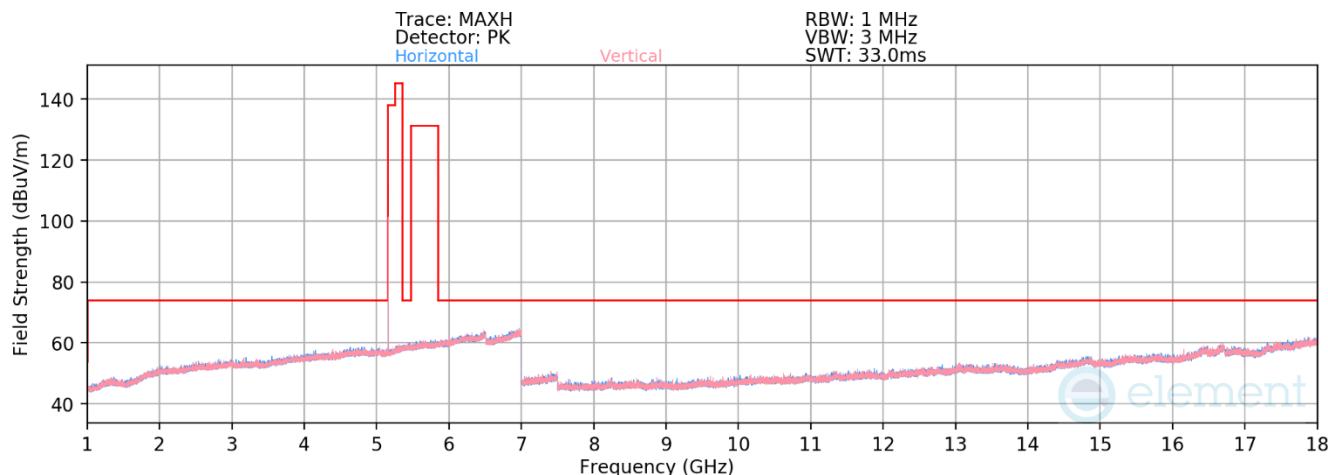
Radiated Band Edge Measurement Offset

- 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: BCGA2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | Page 96 of 137 |

7.6.1 Antenna 5b Radiated Spurious Emissions

§15.407(b) §15.205 §15.209



Plot 7-121. Radiated Spurious Emissions 1-18GHz Antenna 5b (HDR4, ePA – 5162MHz)

Mode: HDR4
 Data Rate: 4Mbps
 Distance of Measurements: 3 Meters
 Operating Frequency: 5162MHz

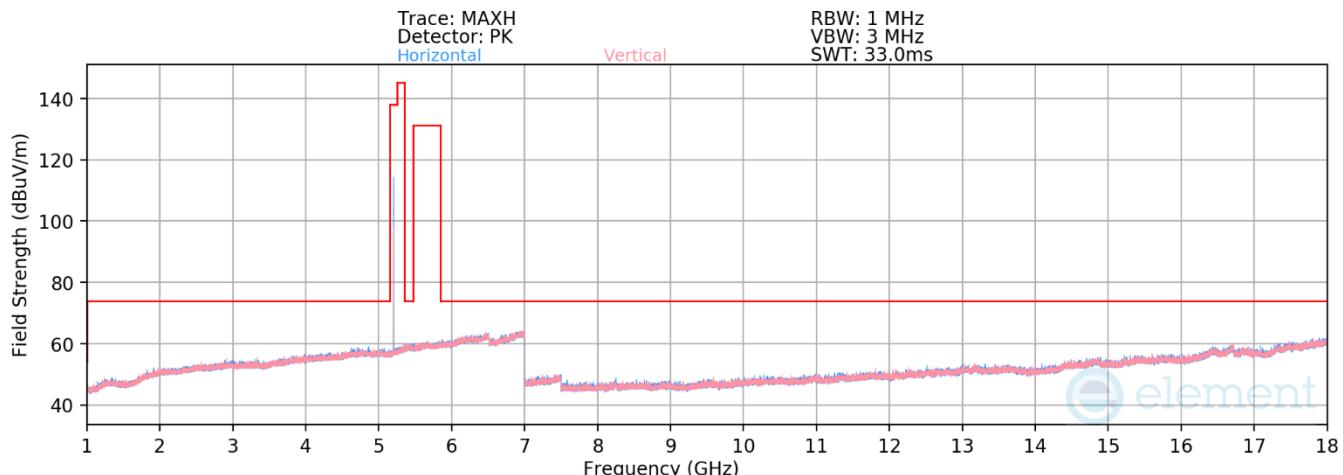
| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|----------------------|-------------|
| 10324.00 | Peak | H | - | - | -72.35 | 12.61 | 47.26 | 68.20 | -20.94 |
| * 15486.00 | Average | H | - | - | -85.38 | 18.42 | 40.04 | 53.98 | -13.94 |
| * 15486.00 | Peak | H | - | - | -72.83 | 18.42 | 52.59 | 73.98 | -21.39 |

Table 7-16. Radiated Spurious Emissions Measurements Antenna 5b

| | | | | | |
|--|---|------------------------------------|--|--|-----------------------------------|
| FCC ID: BCGA2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | | | |

V 10.5 12/15/2021

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Washington DC LLC. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-122. Radiated Spurious Emissions 1-18GHz Antenna 5b (HDR4- 5204MHz)

Mode: HDR4
 Data Rate: 4Mbps
 Distance of Measurements: 3 Meters
 Operating Frequency: 5204MHz

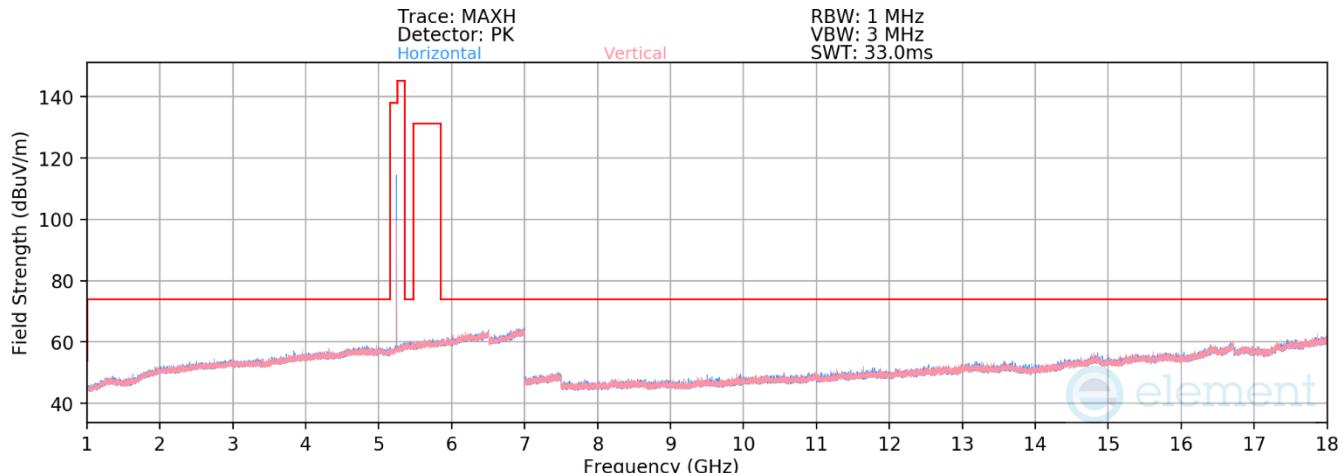
| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|----------------------|-------------|
| 10408.00 | Peak | H | - | - | -71.45 | 12.47 | 48.02 | 68.20 | -20.18 |
| * 15612.00 | Average | H | - | - | -84.89 | 18.40 | 40.51 | 53.98 | -13.47 |
| * 15612.00 | Peak | H | - | - | -73.47 | 18.40 | 51.93 | 73.98 | -22.05 |

Table 7-17. Radiated Spurious Emissions Measurements Antenna 5b

| | | | | | |
|--|---|------------------------------------|--|--|-----------------------------------|
| FCC ID: BCGA2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | | | |

V 10.5 12/15/2021

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Washington DC LLC. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-123. Radiated Spurious Emissions 1-18GHz Antenna 5b (HDR4 – 5245MHz)

Mode: HDR4
 Data Rate: 4Mbps
 Distance of Measurements: 3 Meters
 Operating Frequency: 5245MHz

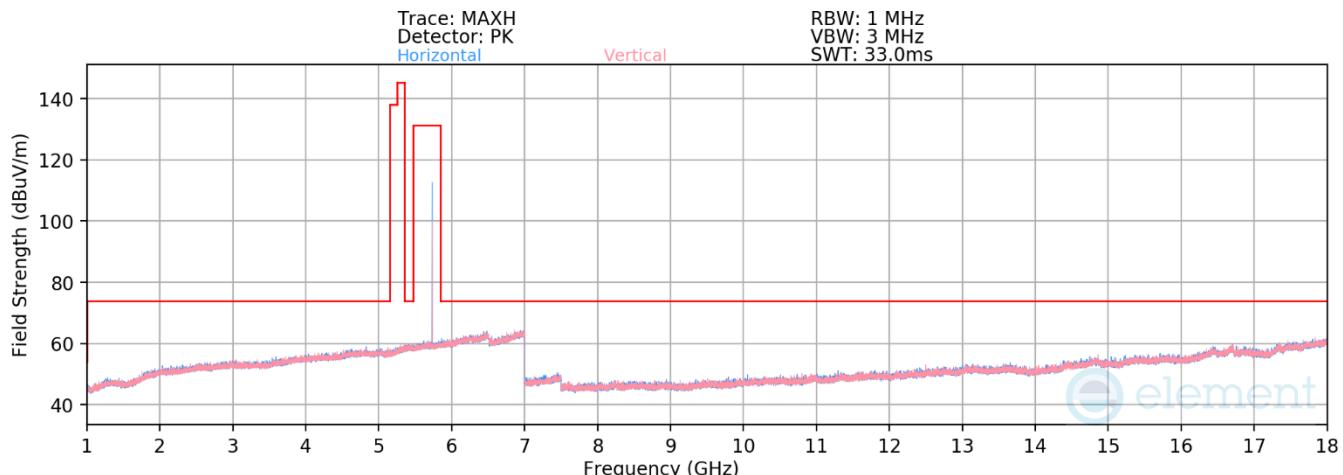
| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|----------------------|-------------|
| 10490.00 | Peak | H | - | - | -72.28 | 12.68 | 47.40 | 68.20 | -20.80 |
| * 15735.00 | Average | H | - | - | -85.12 | 18.96 | 40.84 | 53.98 | -13.14 |
| * 15735.00 | Peak | H | - | - | -73.96 | 18.96 | 52.00 | 73.98 | -21.98 |

Table 7-18. Radiated Spurious Emissions Measurements Antenna 5b

| | | | | | |
|--|---|------------------------------------|--|--|-----------------------------------|
| FCC ID: BCGA2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | | | |

V 10.5 12/15/2021

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Washington DC LLC. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-124. Radiated Spurious Emissions 1-18GHz Antenna 5b (HDR4 – 5733MHz)

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

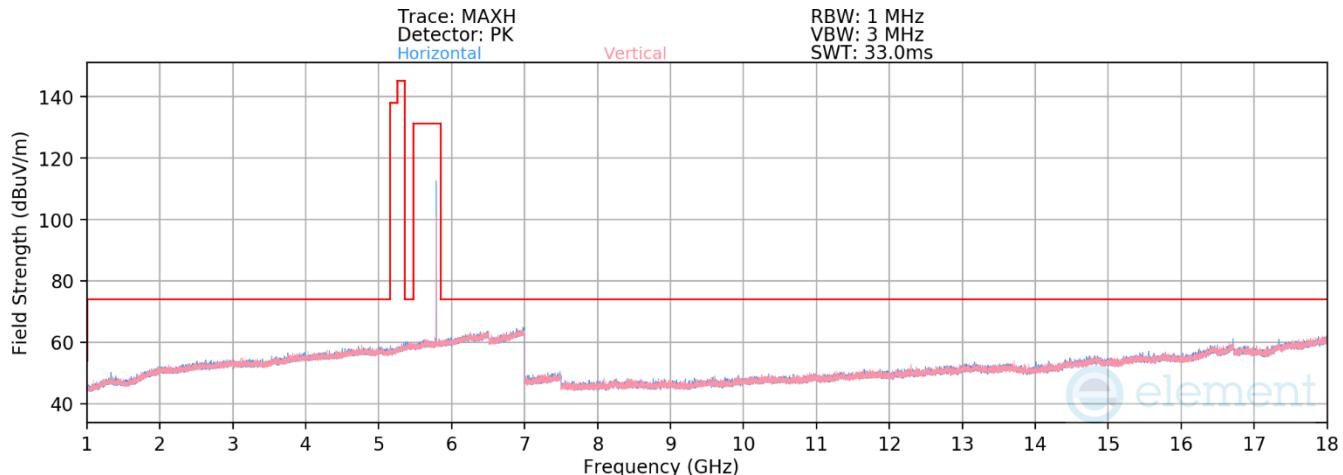
| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | Limit [dBμV/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| * 11466.00 | Average | H | - | - | -83.56 | 13.30 | 36.74 | 53.98 | -17.24 |
| * 11466.00 | Peak | H | - | - | -71.56 | 13.30 | 48.74 | 73.98 | -25.24 |
| 17199.00 | Peak | H | - | - | -73.26 | 22.01 | 55.75 | 68.20 | -12.45 |

Table 7-19. Radiated Spurious Emissions Measurements Antenna 5b

| | | | | | |
|--|---|------------------------------------|--|--|-----------------------------------|
| FCC ID: BCGA2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | | | |

V 10.5 12/15/2021

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Washington DC LLC. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-125. Radiated Spurious Emissions 1-18GHz Antenna 5b (HDR4 – 5789MHz)

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

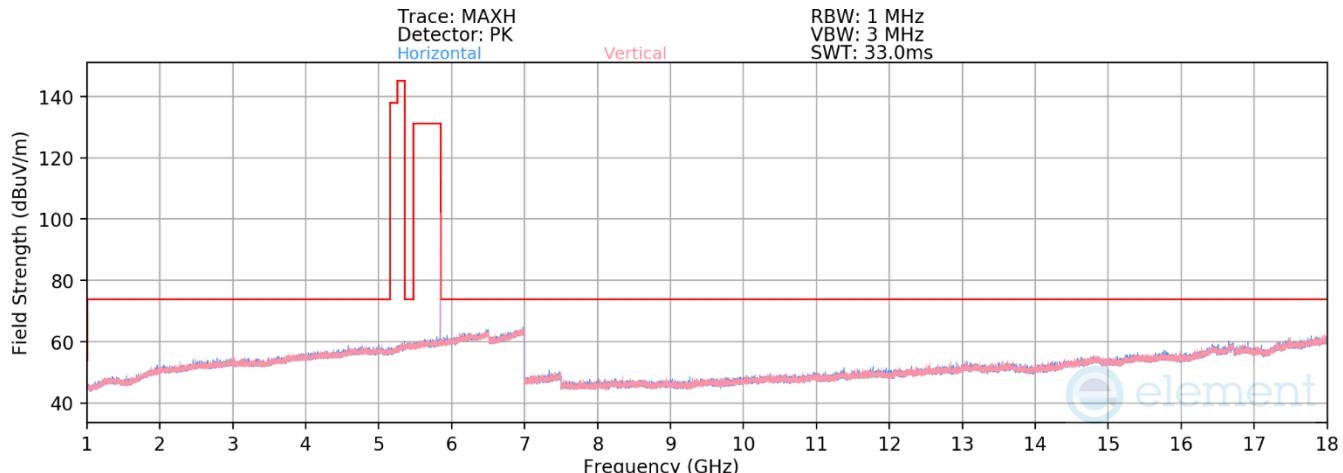
| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|----------------------|-------------|
| * 11578.00 | Average | H | - | - | -83.86 | 13.45 | 36.59 | 53.98 | -17.39 |
| * 11578.00 | Peak | H | - | - | -72.79 | 13.45 | 47.66 | 73.98 | -26.32 |
| 17367.00 | Peak | H | - | - | -73.15 | 22.80 | 56.65 | 68.20 | -11.55 |

Table 7-20. Radiated Spurious Emissions Measurements Antenna 5b

| | | | | | |
|--|---|------------------------------------|--|--|-----------------------------------|
| FCC ID: BCGA2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | | | |

V 10.5 12/15/2021

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Washington DC LLC. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-126. Radiated Spurious Emissions 1-18GHz Antenna 5b (HDR4 – 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 | H | - | - | -83.78 | 13.74 | 36.96 | 53.98 | -17.02 |
| * 11688.00 | Peak | H | - | - | -71.95 | 13.74 | 48.79 | 73.98 | -25.19 |
| 17532.00 | Peak | H | - | - | -73.42 | 23.75 | 57.33 | 68.20 | -10.87 |

Table 7-21. Radiated Spurious Emissions Measurements Antenna 5b

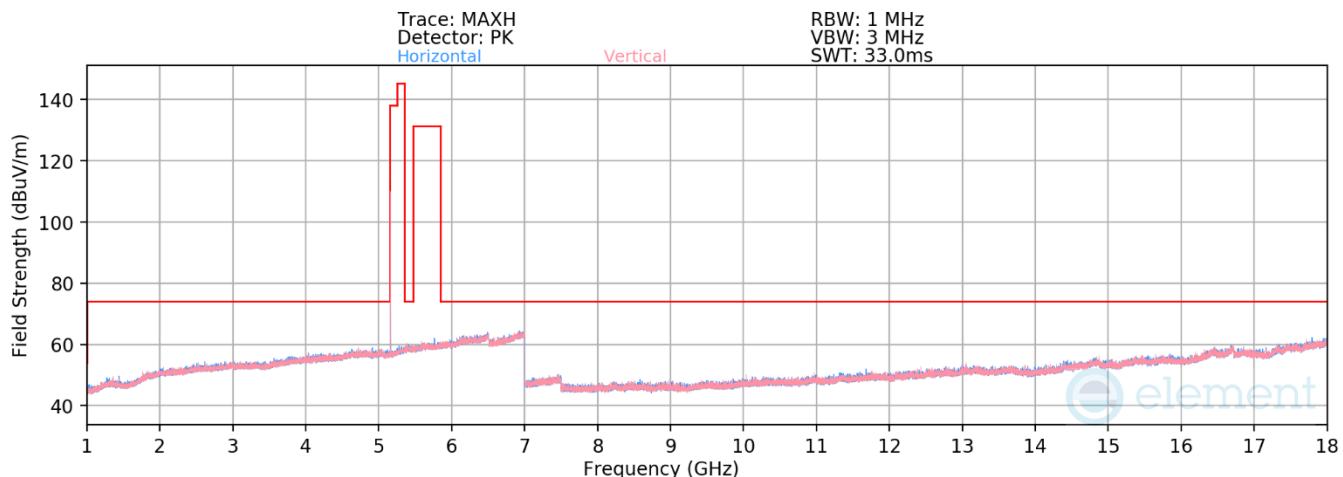
| | | | | | |
|--|---|------------------------------------|--|--|-----------------------------------|
| FCC ID: BCGA2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | | | |

V 10.5 12/15/2021

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Washington DC LLC. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.

7.6.2 Antenna 4a Radiated Spurious Emissions

§15.407(b) §15.205 §15.209



Plot 7-127. Radiated Spurious Emissions 1-18GHz Antenna 4a (HDR4, ePA – 5162MHz)

| | |
|---------------------------|----------|
| Mode: | HDR4 |
| Data Rate: | 4Mbps |
| Distance of Measurements: | 3 Meters |
| Operating Frequency: | 5162MHz |

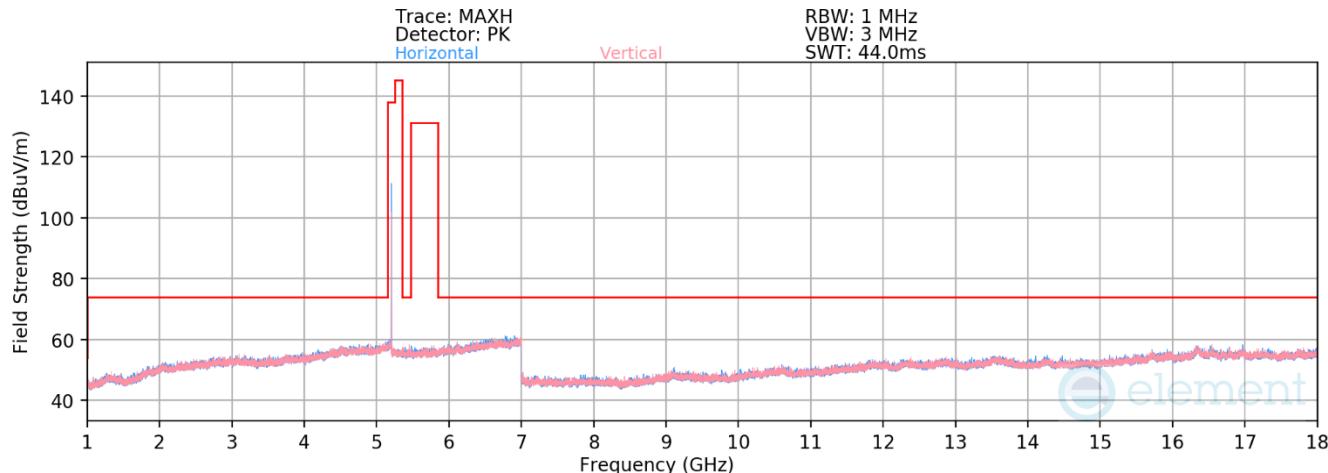
| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|----------------------|-------------|
| 10324.00 | Peak | H | - | - | -70.95 | 12.61 | 48.66 | 68.20 | -19.54 |
| * | 15486.00 | Average | H | - | -84.96 | 18.42 | 40.46 | 53.98 | -13.52 |
| * | 15486.00 | Peak | H | - | -73.82 | 18.42 | 51.60 | 73.98 | -22.38 |

Table 7-22. Radiated Spurious Emissions Measurements Antenna 4a

| | | | | | |
|--|---|------------------------------------|--|--|-----------------------------------|
| FCC ID: BCGA2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | | | |

V 10.5 12/15/2021

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Washington DC LLC. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-128. Radiated Spurious Emissions 1-18GHz Antenna 4a (HDR4- 5204MHz)

Mode: HDR4
 Data Rate: 4Mbps
 Distance of Measurements: 3 Meters
 Operating Frequency: 5204MHz

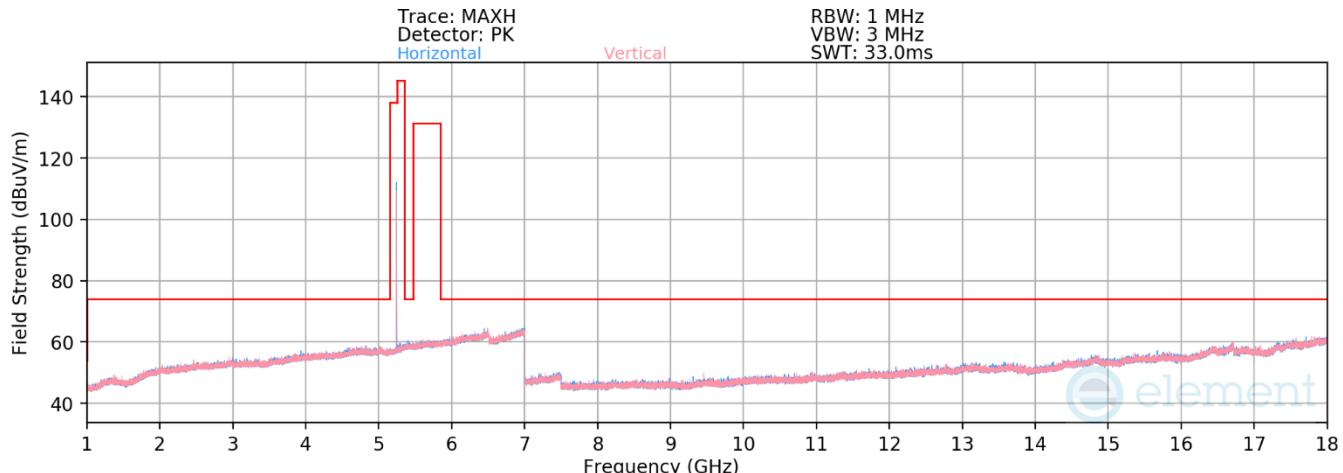
| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|----------------------|-------------|
| 10408.00 | Peak | H | - | - | -71.26 | 12.47 | 48.21 | 68.20 | -19.99 |
| * 15612.00 | Average | H | - | - | -85.21 | 18.40 | 40.19 | 53.98 | -13.79 |
| * 15612.00 | Peak | H | - | - | -73.56 | 18.40 | 51.84 | 73.98 | -22.14 |

Table 7-23. Radiated Spurious Emissions Measurements Antenna 4a

| | | | | | |
|--|---|------------------------------------|--|--|-----------------------------------|
| FCC ID: BCGA2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | | | |

V 10.5 12/15/2021

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Washington DC LLC. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-129. Radiated Spurious Emissions 1-18GHz Antenna 4a (HDR4 – 5245MHz)

Mode: HDR4
 Data Rate: 4Mbps
 Distance of Measurements: 3 Meters
 Operating Frequency: 5245MHz

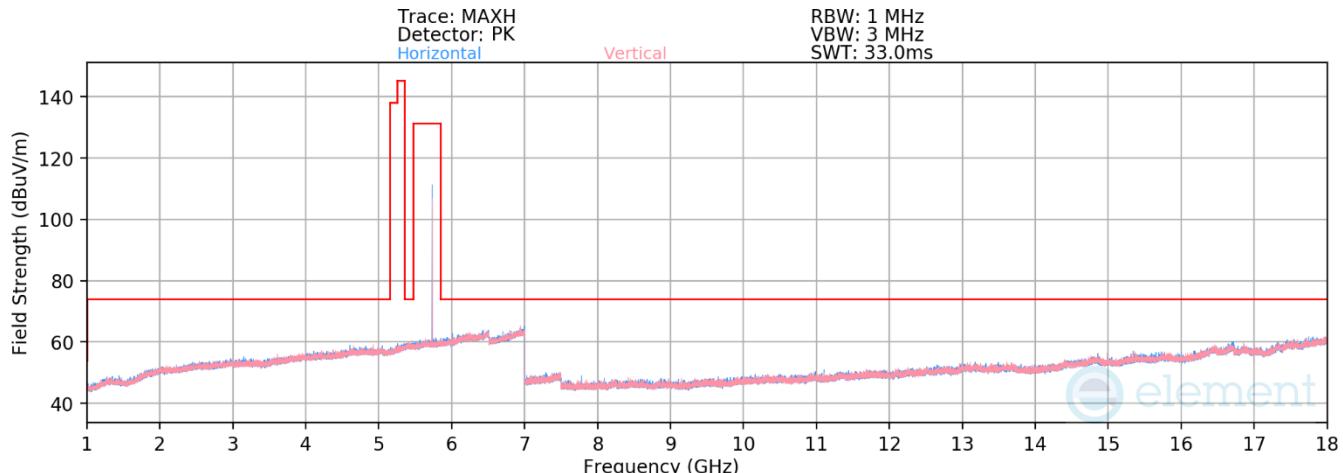
| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|----------------------|-------------|
| 10490.00 | Peak | H | - | - | -72.32 | 12.68 | 47.36 | 68.20 | -20.84 |
| * 15735.00 | Average | H | - | - | -85.36 | 18.96 | 40.60 | 53.98 | -13.38 |
| * 15735.00 | Peak | H | - | - | -74.12 | 18.96 | 51.84 | 73.98 | -22.14 |

Table 7-24. Radiated Spurious Emissions Measurements Antenna 4a

| | | | | | |
|--|---|------------------------------------|--|--|-----------------------------------|
| FCC ID: BCGA2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | | | |

V 10.5 12/15/2021

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Washington DC LLC. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-130. Radiated Spurious Emissions 1-18GHz Antenna 4a (HDR4 – 5733MHz)

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

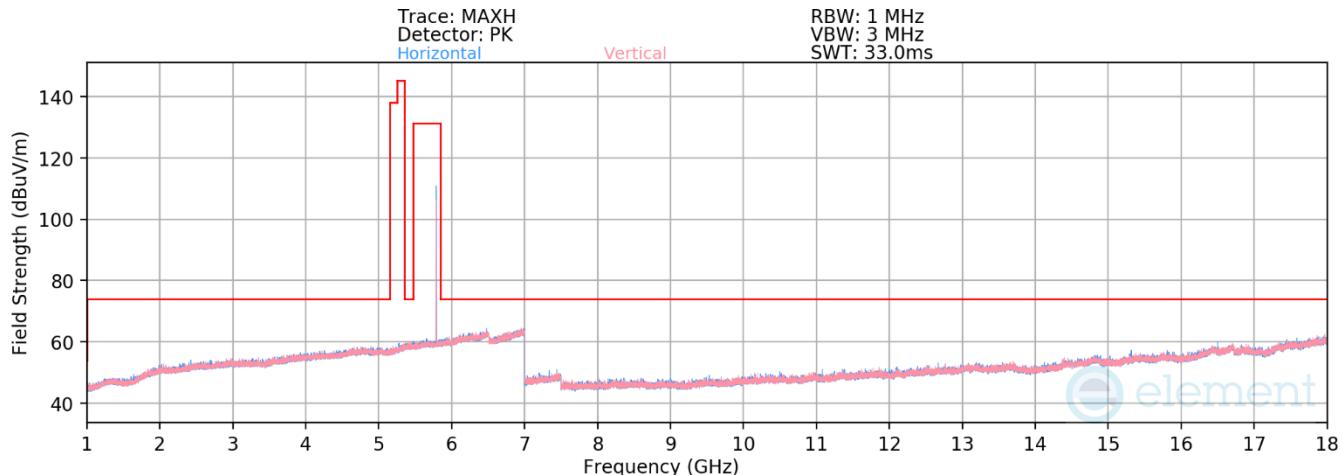
| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | Limit [dBμV/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| * 11466.00 | Average | H | - | - | -84.06 | 13.30 | 36.24 | 53.98 | -17.74 |
| * 11466.00 | Peak | H | - | - | -71.86 | 13.30 | 48.44 | 73.98 | -25.54 |
| 17199.00 | Peak | H | - | - | -73.42 | 22.01 | 55.59 | 68.20 | -12.61 |

Table 7-25. Radiated Spurious Emissions Measurements Antenna 4a

| | | | | | |
|--|---|------------------------------------|--|--|-----------------------------------|
| FCC ID: BCGA2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | | | |

V 10.5 12/15/2021

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Washington DC LLC. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-131. Radiated Spurious Emissions 1-18GHz Antenna 4a (HDR4 – 5789MHz)

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

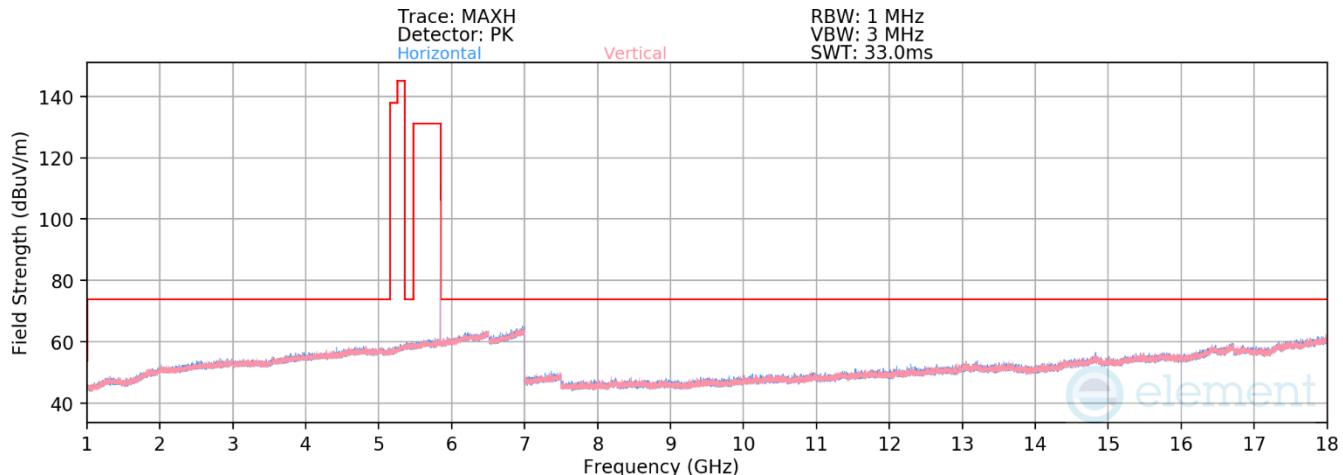
| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|----------------------|-------------|
| * 11578.00 | Average | H | - | - | -84.12 | 13.45 | 36.33 | 53.98 | -17.65 |
| * 11578.00 | Peak | H | - | - | -72.68 | 13.45 | 47.77 | 73.98 | -26.21 |
| 17367.00 | Peak | H | - | - | -73.21 | 22.80 | 56.59 | 68.20 | -11.61 |

Table 7-26. Radiated Spurious Emissions Measurements Antenna 4a

| | | | | | |
|--|---|------------------------------------|--|--|-----------------------------------|
| FCC ID: BCGA2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | | | |

V 10.5 12/15/2021

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Washington DC LLC. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-132. Radiated Spurious Emissions 1-18GHz Antenna 4a (HDR4 – 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 | H | - | - | -83.89 | 13.74 | 36.85 | 53.98 | -17.13 |
| * 11688.00 | Peak | H | - | - | -72.35 | 13.74 | 48.39 | 73.98 | -25.59 |
| 17532.00 | Peak | H | - | - | -73.54 | 23.75 | 57.21 | 68.20 | -10.99 |

Table 7-27. Radiated Spurious Emissions Measurements Antenna 4a

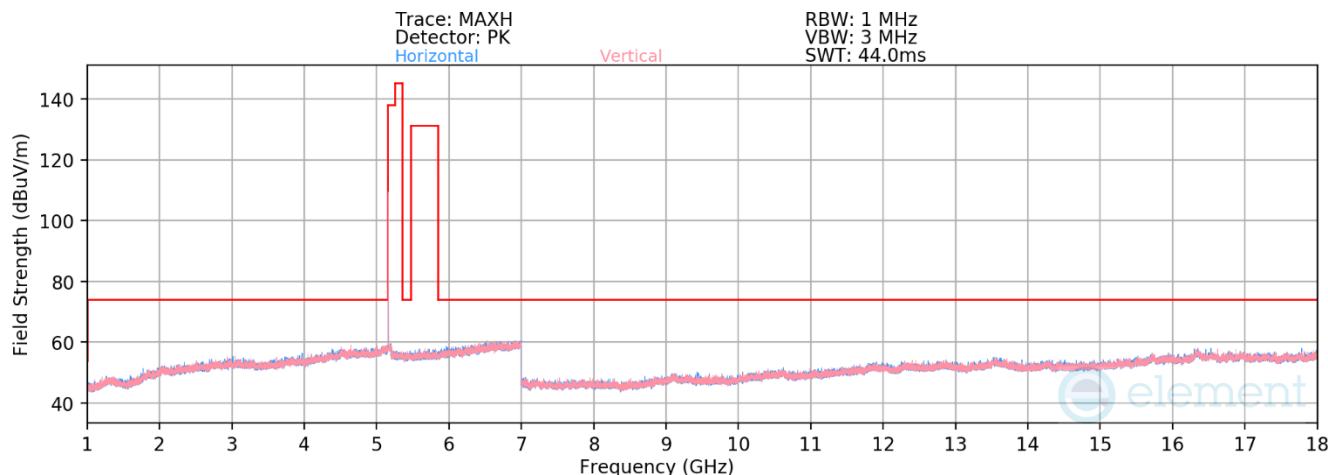
| | | | | | |
|--|---|------------------------------------|--|--|-----------------------------------|
| FCC ID: BCGA2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | | | |

V 10.5 12/15/2021

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Washington DC LLC. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.

7.6.3 TxBF Radiated Spurious Emissions

§15.407(b) §15.205 §15.209



Plot 7-133. Radiated Spurious Emissions 1-18GHz TxBF (HDR4, ePA – 5162MHz)

Mode: HDR4
 Data Rate: 4Mbps
 Distance of Measurements: 3 Meters
 Operating Frequency: 5162MHz

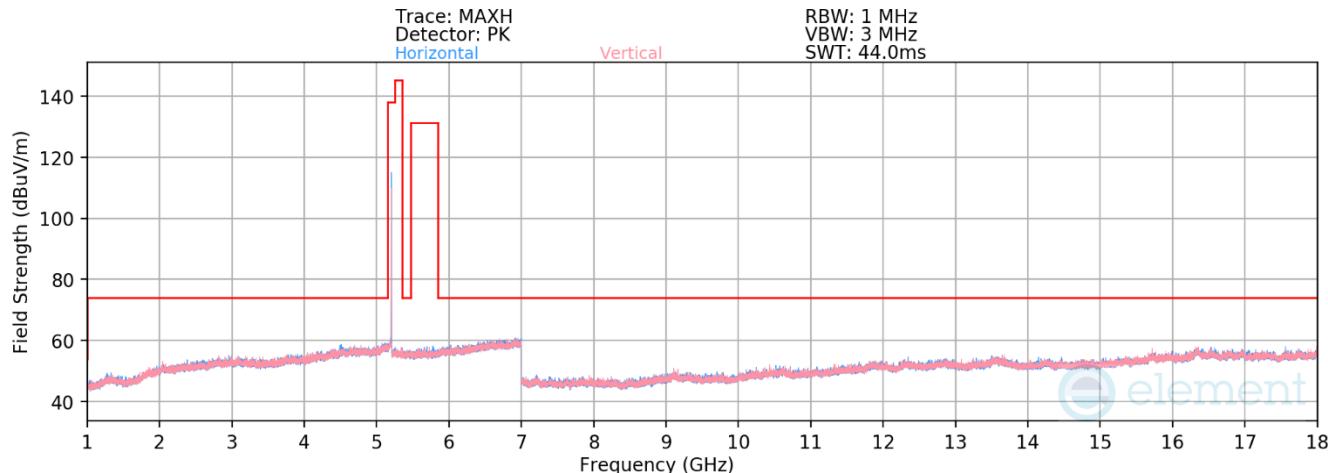
| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|----------------------|-------------|
| 10324.00 | Peak | H | - | - | -71.17 | 12.61 | 48.44 | 68.20 | -19.76 |
| * 15486.00 | Average | H | - | - | -85.34 | 18.42 | 40.08 | 53.98 | -13.90 |
| * 15486.00 | Peak | H | - | - | -73.79 | 18.42 | 51.63 | 73.98 | -22.35 |

Table 7-28. Radiated Spurious Emissions Measurements TxBF

| | | | | | |
|--|---|------------------------------------|--|--|-----------------------------------|
| FCC ID: BCGA2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | | | |

V 10.5 12/15/2021

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Washington DC LLC. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-134. Radiated Spurious Emissions 1-18GHz TxBF (HDR4– 5204MHz)

Mode: HDR4
 Data Rate: 4Mbps
 Distance of Measurements: 3 Meters
 Operating Frequency: 5204MHz

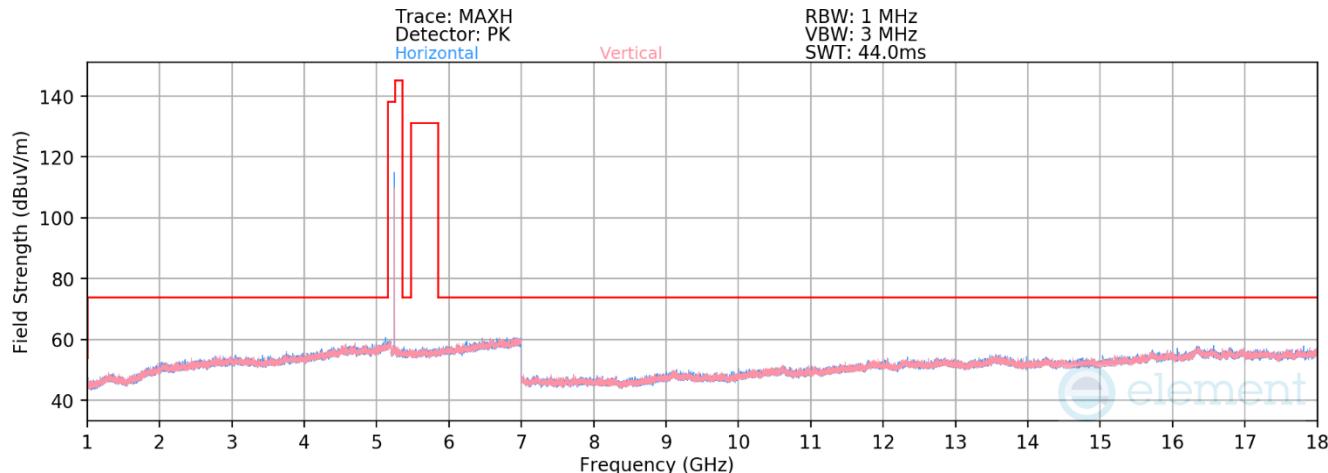
| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|----------------------|-------------|
| 10408.00 | Peak | H | - | - | -71.82 | 12.47 | 47.65 | 68.20 | -20.55 |
| * 15612.00 | Average | H | - | - | -85.42 | 18.40 | 39.98 | 53.98 | -14.00 |
| * 15612.00 | Peak | H | - | - | -73.89 | 18.40 | 51.51 | 73.98 | -22.47 |

Table 7-29. Radiated Spurious Emissions Measurements TxBF

| | | | | | |
|--|---|------------------------------------|--|--|-----------------------------------|
| FCC ID: BCGA2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | | | |

V 10.5 12/15/2021

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Washington DC LLC. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-135. Radiated Spurious Emissions 1-18GHz TxBF (HDR4 – 5245MHz)

Mode: HDR4
 Data Rate: 4Mbps
 Distance of Measurements: 3 Meters
 Operating Frequency: 5245MHz

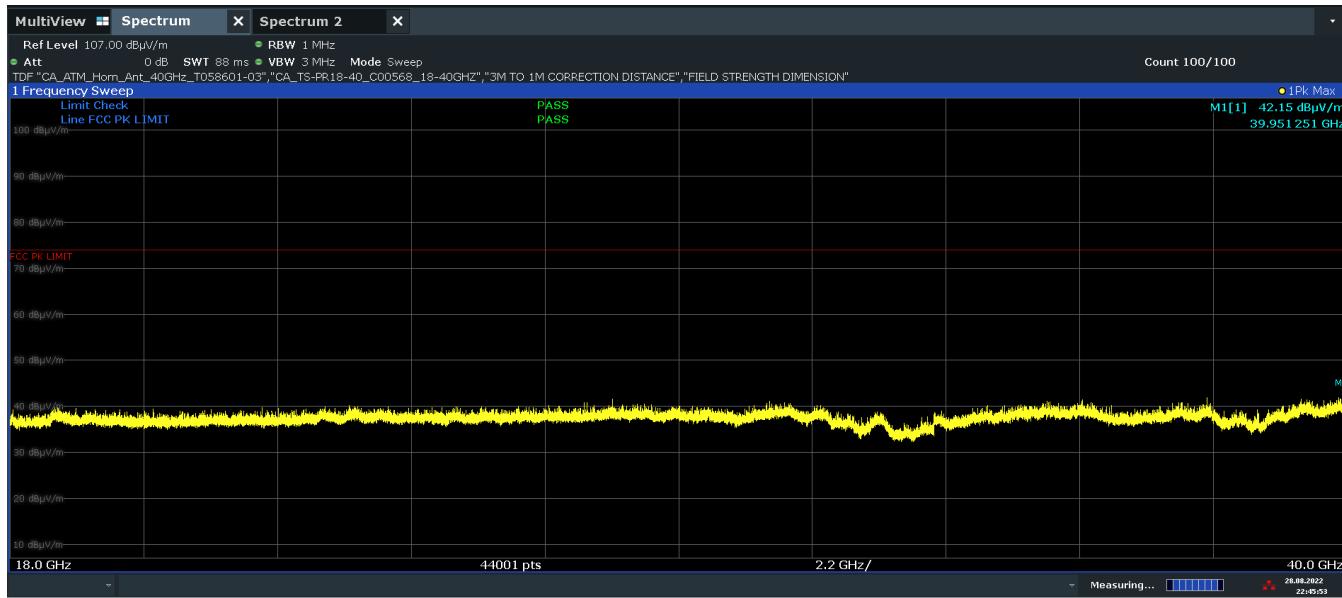
| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|----------------------|-------------|
| 10490.00 | Peak | H | - | - | -72.14 | 12.68 | 47.54 | 68.20 | -20.66 |
| * 15735.00 | Average | H | - | - | -85.51 | 18.96 | 40.45 | 53.98 | -13.53 |
| * 15735.00 | Peak | H | - | - | -74.23 | 18.96 | 51.73 | 73.98 | -22.25 |

Table 7-30. Radiated Spurious Emissions Measurements TxBF

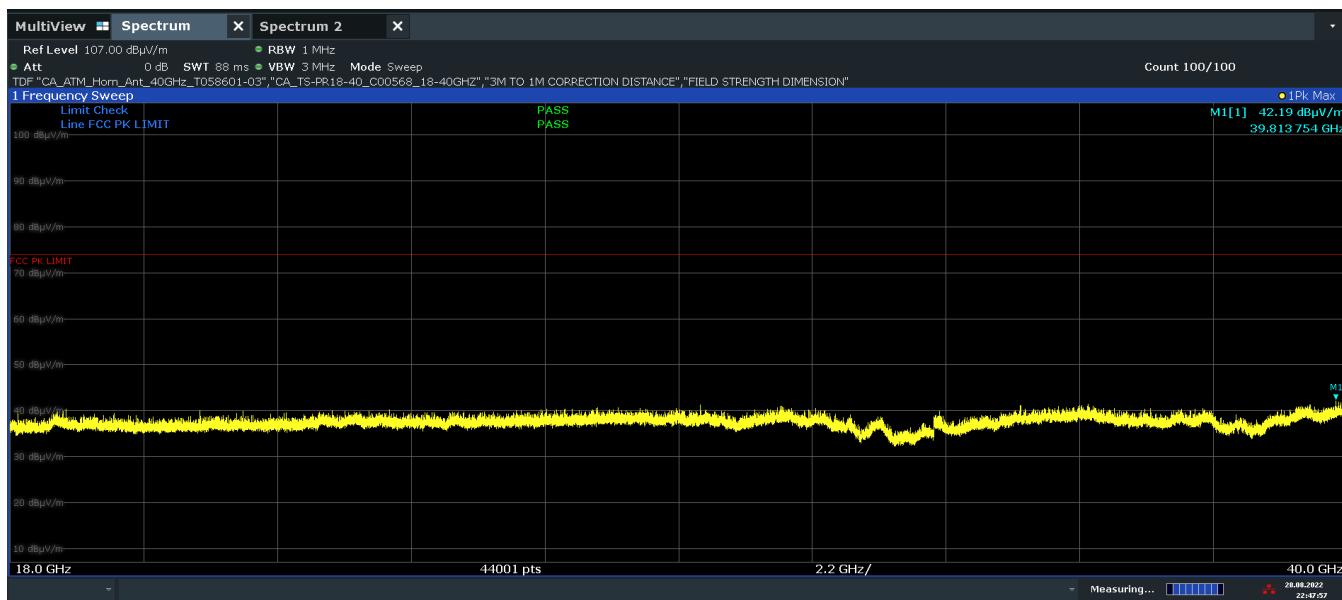
| | | | | | |
|--|---|------------------------------------|--|--|-----------------------------------|
| FCC ID: BCGA2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | | | |

V 10.5 12/15/2021

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Washington DC LLC. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.

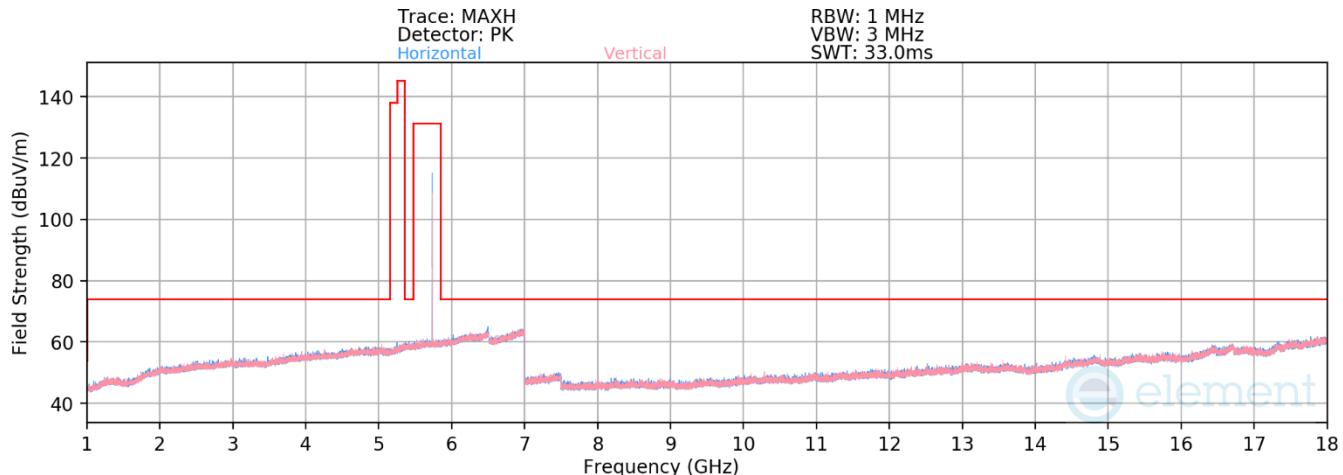


Plot 7-136. Radiated Spurious Emissions Above 18GHz TxBF (HDR4 – 5245MHz Pol. H)



Plot 7-137. Radiated Spurious Emissions Above 18GHz TxBF (HDR4 – 5245MHz Pol. V)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | Page 112 of 137 |



Plot 7-138. Radiated Spurious Emissions 1-18GHz TxBF (HDR4 – 5733MHz)

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

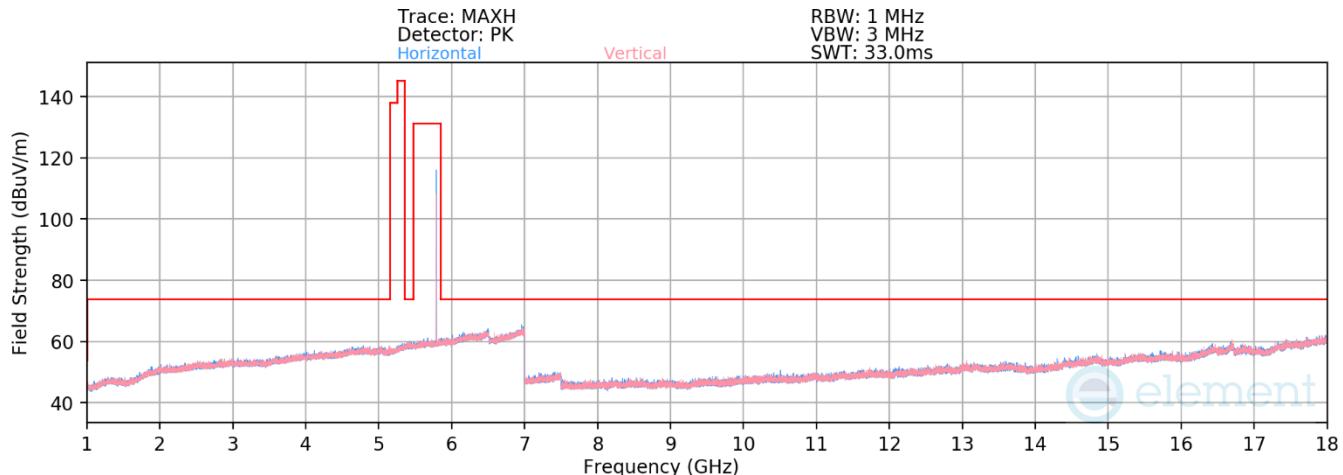
| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|----------------------|-------------|
| * 11466.00 | Average | H | - | - | -84.13 | 13.30 | 36.17 | 53.98 | -17.81 |
| * 11466.00 | Peak | H | - | - | -71.99 | 13.30 | 48.31 | 73.98 | -25.67 |
| 17199.00 | Peak | H | - | - | -73.56 | 22.01 | 55.45 | 68.20 | -12.75 |

Table 7-31. Radiated Spurious Emissions Measurements TxBF

| | | | | | |
|--|---|------------------------------------|--|--|-----------------------------------|
| FCC ID: BCGA2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | | | |

V 10.5 12/15/2021

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Washington DC LLC. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-139. Radiated Spurious Emissions 1-18GHz TxBF (HDR4 – 5789MHz)

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

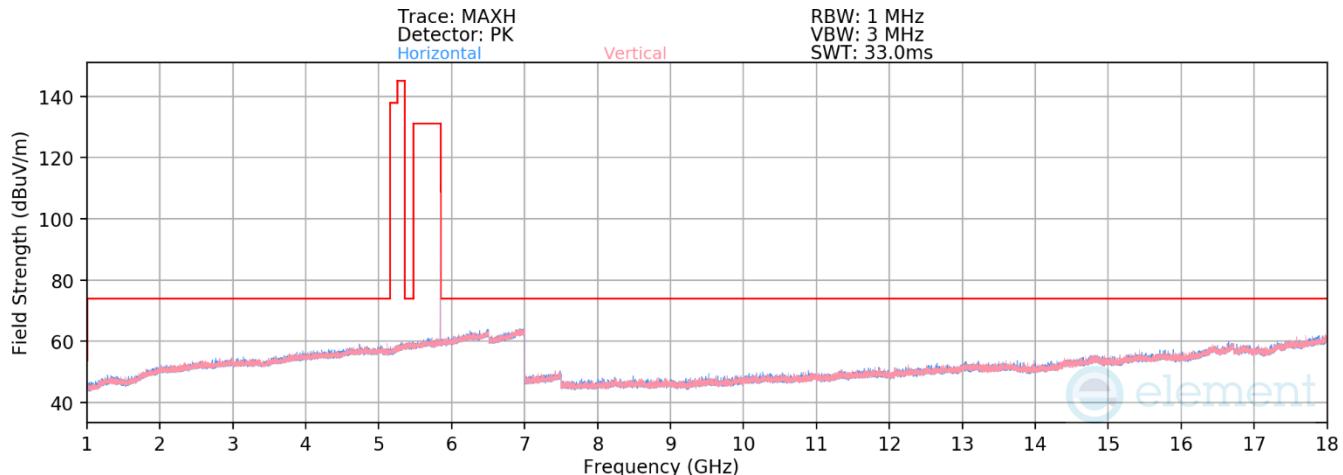
| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dB μ V/m] | Limit [dB μ V/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------------|----------------------|-------------|
| * 11578.00 | Average | H | - | - | -84.29 | 13.45 | 36.16 | 53.98 | -17.82 |
| * 11578.00 | Peak | H | - | - | -72.92 | 13.45 | 47.53 | 73.98 | -26.45 |
| 17367.00 | Peak | H | - | - | -73.24 | 22.80 | 56.56 | 68.20 | -11.64 |

Table 7-32. Radiated Spurious Emissions Measurements TxBF

| | | | | | |
|--|---|------------------------------------|--|--|-----------------------------------|
| FCC ID: BCGA2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | | | |

V 10.5 12/15/2021

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Washington DC LLC. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-140. Radiated Spurious Emissions 1-18GHz TxBF (HDR4 – 5844MHz)

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

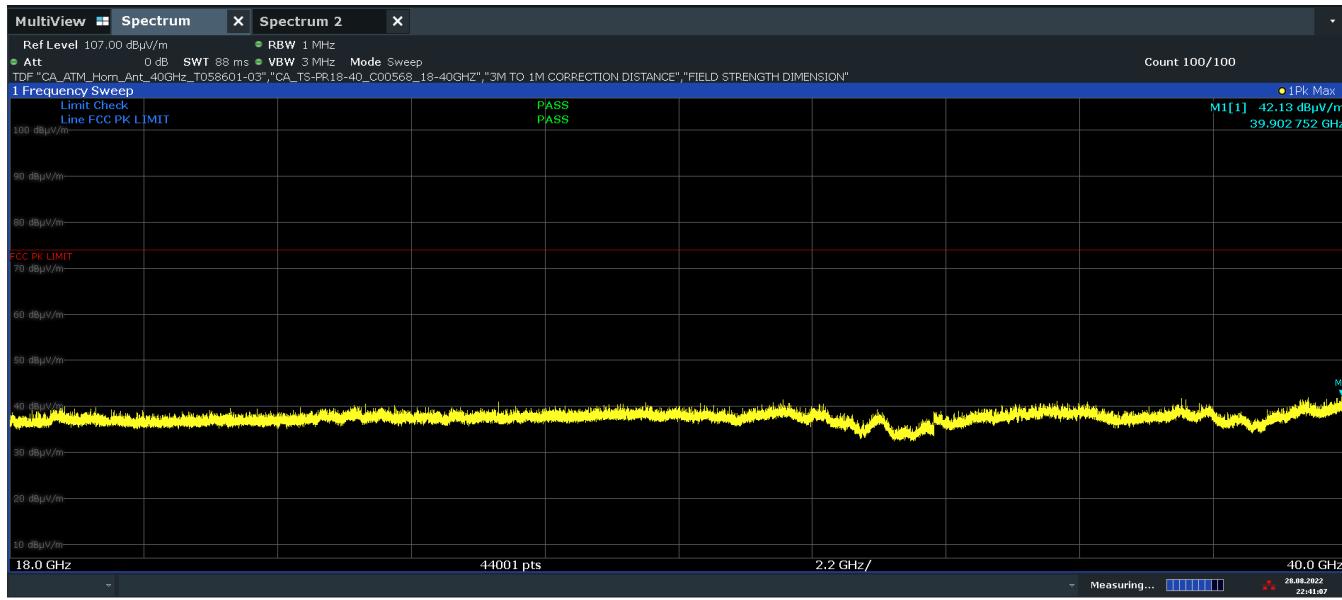
| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | Limit [dBμV/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| * 11688.00 | Average | H | - | - | -84.05 | 13.74 | 36.69 | 53.98 | -17.29 |
| * 11688.00 | Peak | H | - | - | -72.13 | 13.74 | 48.61 | 73.98 | -25.37 |
| 17532.00 | Peak | H | - | - | -73.66 | 23.75 | 57.09 | 68.20 | -11.11 |

Table 7-33. Radiated Spurious Emissions Measurements TxBF

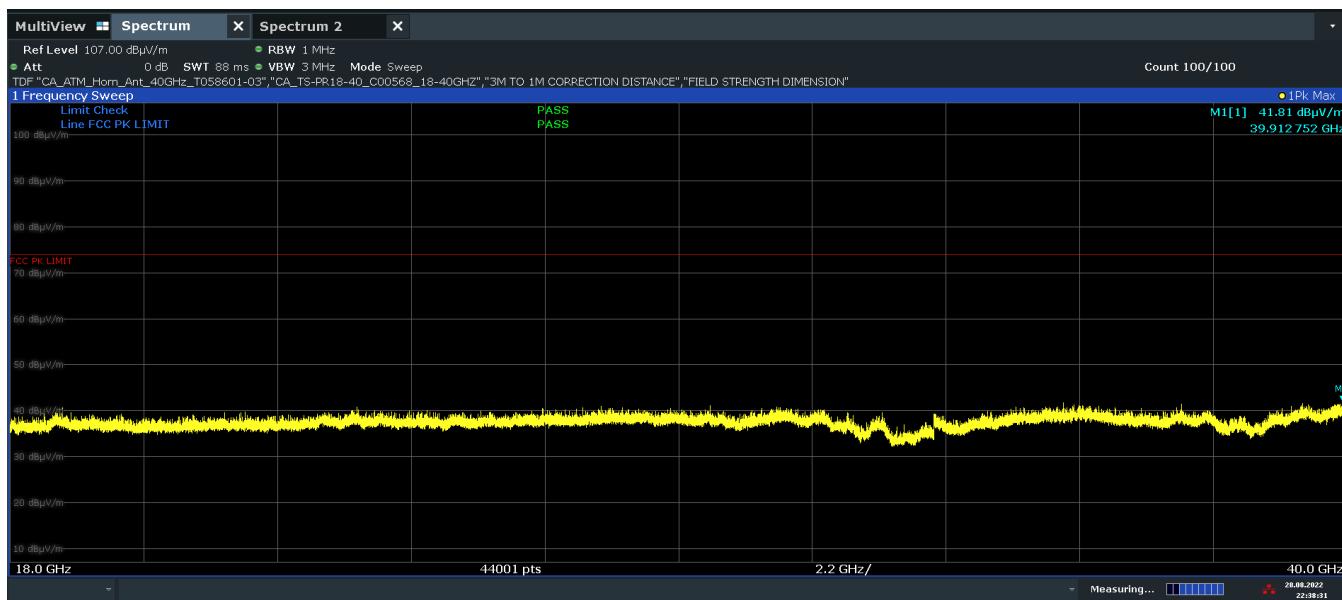
| | | | | | |
|--|---|------------------------------------|--|--|-----------------------------------|
| FCC ID: BCGA2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | | | |

V 10.5 12/15/2021

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Washington DC LLC. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Plot 7-141. Radiated Spurious Emissions Above 18GHz Tx BF (HDR4 – 5844MHz Pol. H)



Plot 7-142. Radiated Spurious Emissions Above 18GHz TxBF (HDR4 – 5844MHz Pol. V)

| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | Page 116 of 137 |

7.6.4 Radiated Band Edge Measurements

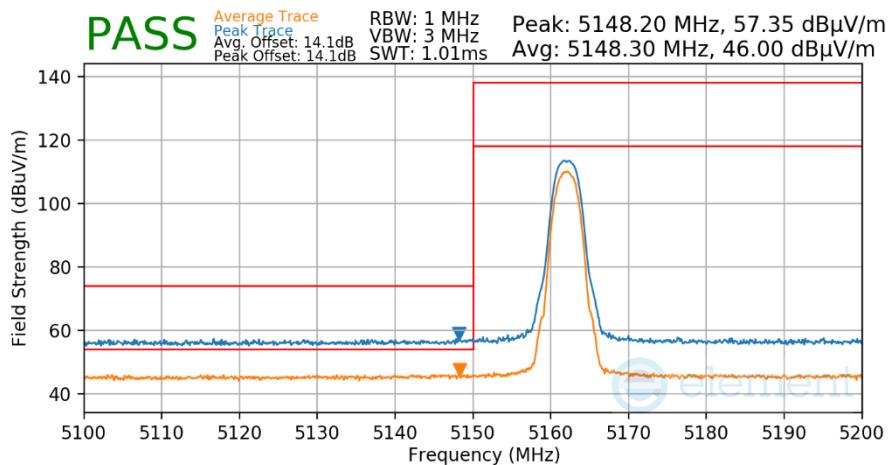
§15.407(b.1) §15.205 §15.209

Antenna 5b

The amplitude offset shown in the following plots for average measurements was calculated using the formula:

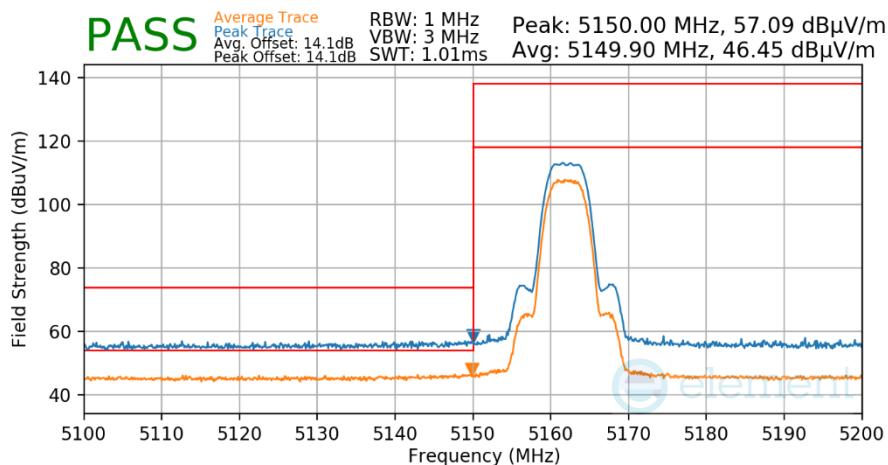
$$\text{Offset (dB)} = (\text{Antenna Factor} + \text{Cable Loss} + \text{Attenuator}) - \text{Preamplifier Gain}$$

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



Plot 7-143. Radiated Lower Band Edge Measurement

| | |
|-----------------------|----------|
| Mode: | HDR8 |
| Power Scheme | ePA |
| Measurement Distance: | 3 Meters |
| Operating Frequency: | 5162MHz |

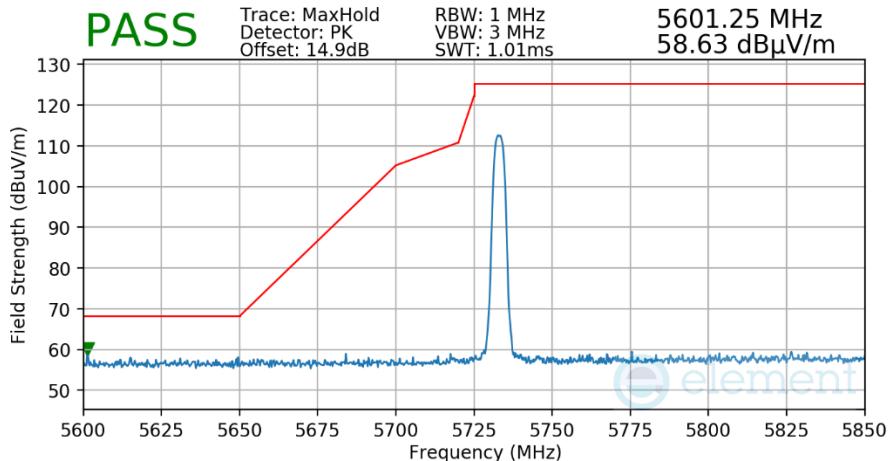


Plot 7-144. Radiated Lower Band Edge Measurement

| | | | | |
|--|---|---------------------------------------|--|-----------------------------------|
| FCC ID: BCGA2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | | Page 117 of 137 |

Mode:
Power Scheme
Measurement Distance:
Operating Frequency:

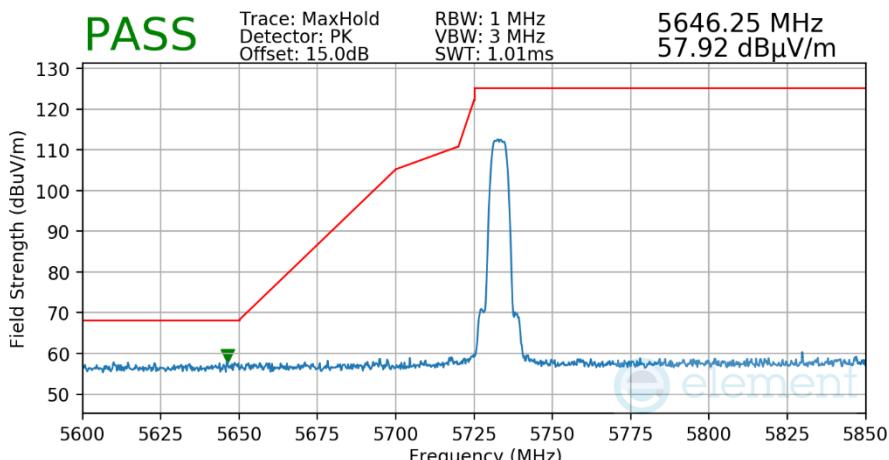
HDR4
ePA
3 Meters
5733MHz



Plot 7-145. Radiated Lower Band Edge Measurement

Mode:
Power Scheme
Measurement Distance:
Operating Frequency:

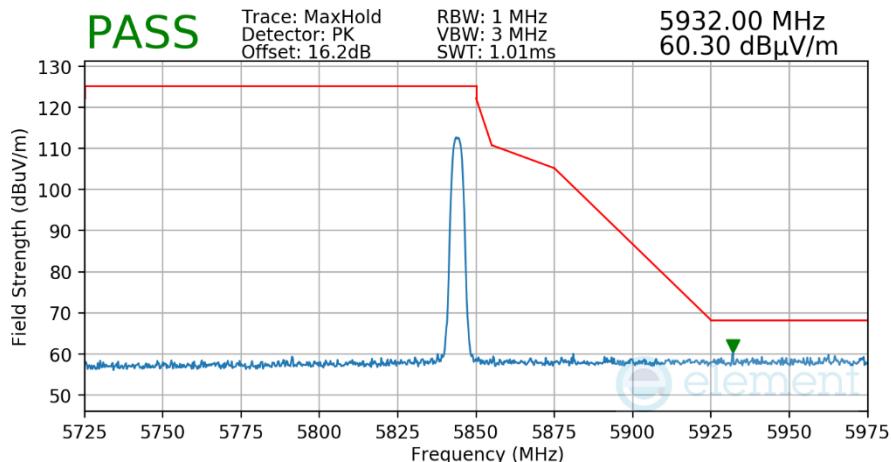
HDR8
ePA
3 Meters
5733MHz



Plot 7-146. Radiated Lower Band Edge Measurement

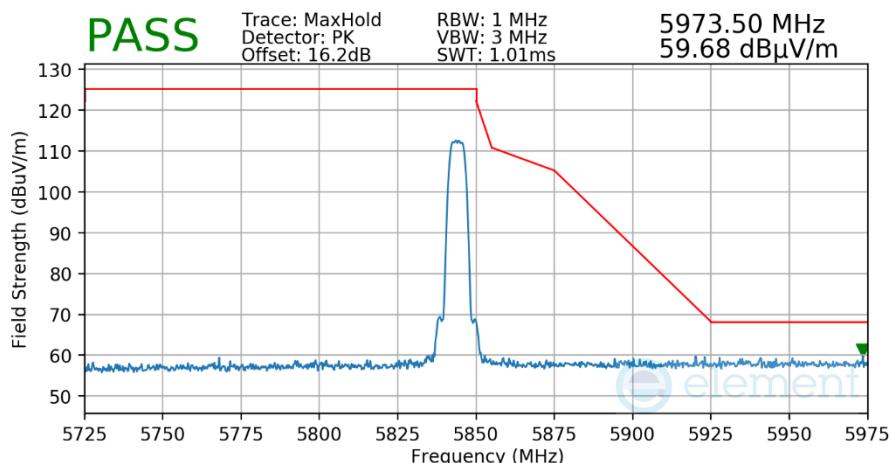
| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | Page 118 of 137 |

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



Plot 7-147. Radiated Upper Band Edge Measurement

Mode: HDR8
 Power Scheme ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 5844MHz



Plot 7-148. Radiated Upper Band Edge Measurement

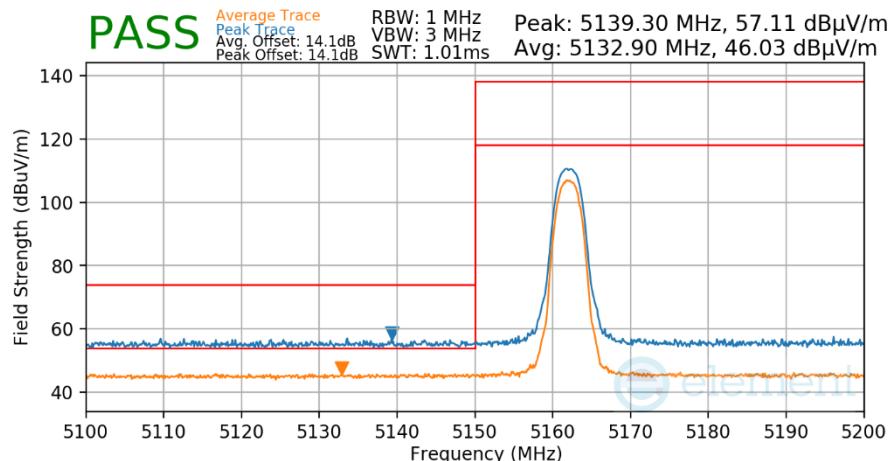
| | | | | |
|--|--|----------------------------|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2764 |  element | | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | | Page 119 of 137 |

Antenna 4a

The amplitude offset shown in the following plots for average measurements was calculated using the formula:

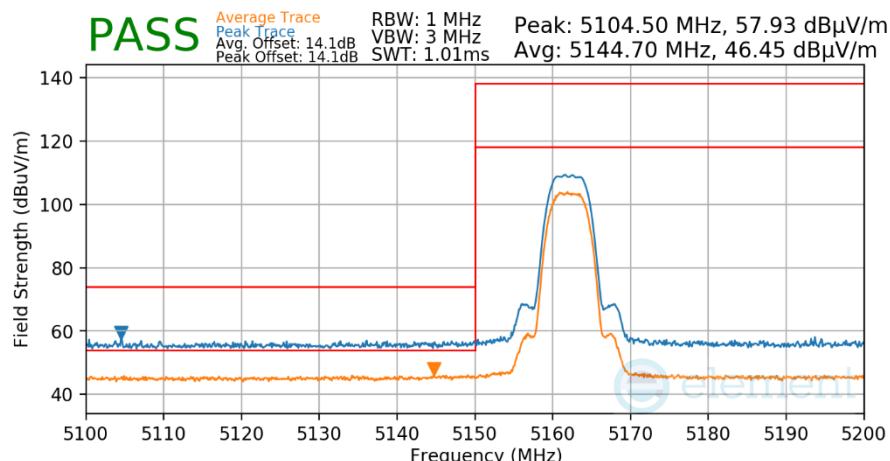
$$\text{Offset (dB)} = (\text{Antenna Factor} + \text{Cable Loss} + \text{Attenuator}) - \text{Preamplifier Gain}$$

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



Plot 7-149. Radiated Lower Band Edge Measurement

| | |
|-----------------------|----------|
| Mode: | HDR8 |
| Power Scheme | ePA |
| Measurement Distance: | 3 Meters |
| Operating Frequency: | 5162MHz |

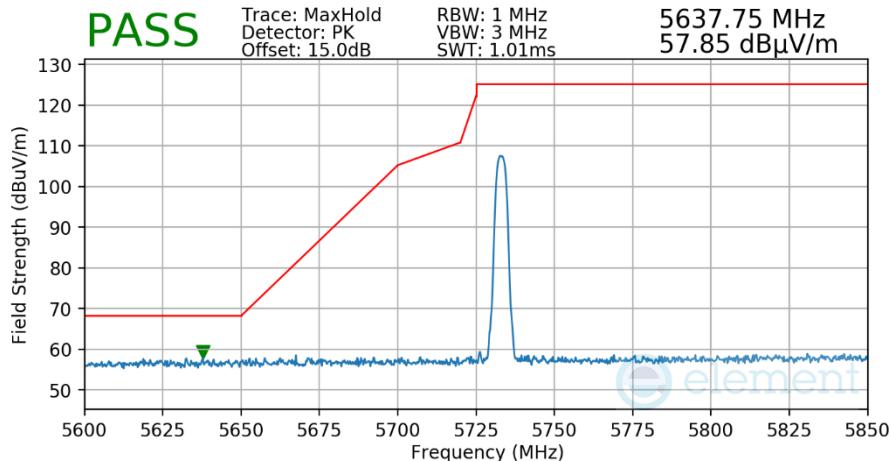


Plot 7-150. Radiated Lower Band Edge Measurement

| | | | | |
|--|---|---------------------------------------|--|-----------------------------------|
| FCC ID: BCGA2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | | Page 120 of 137 |

Mode:
Power Scheme
Measurement Distance:
Operating Frequency:

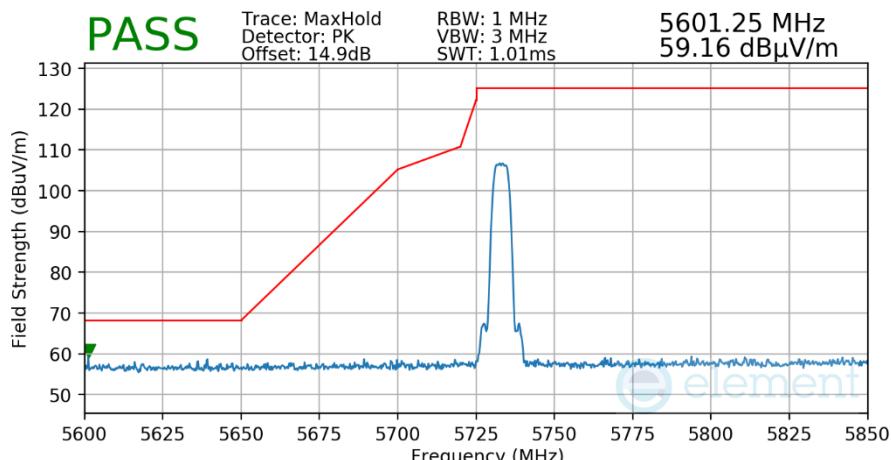
HDR4
ePA
3 Meters
5733MHz



Plot 7-151. Radiated Lower Band Edge Measurement

Mode:
Power Scheme
Measurement Distance:
Operating Frequency:

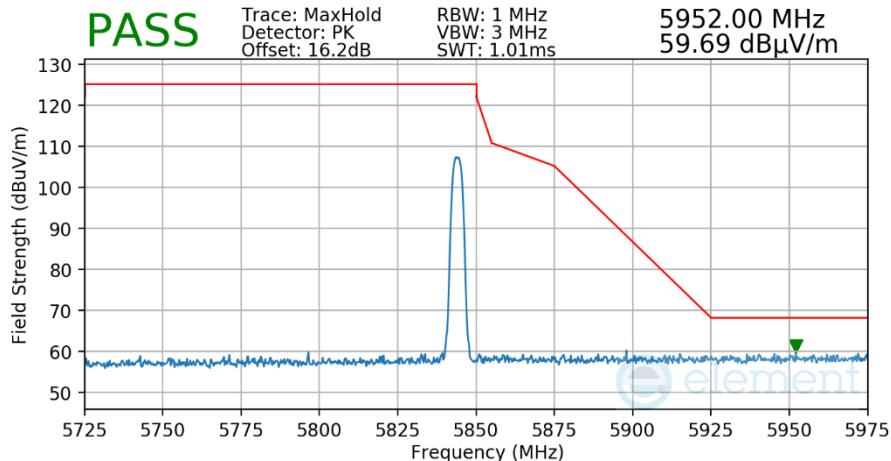
HDR8
ePA
3 Meters
5733MHz



Plot 7-152. Radiated Lower Band Edge Measurement

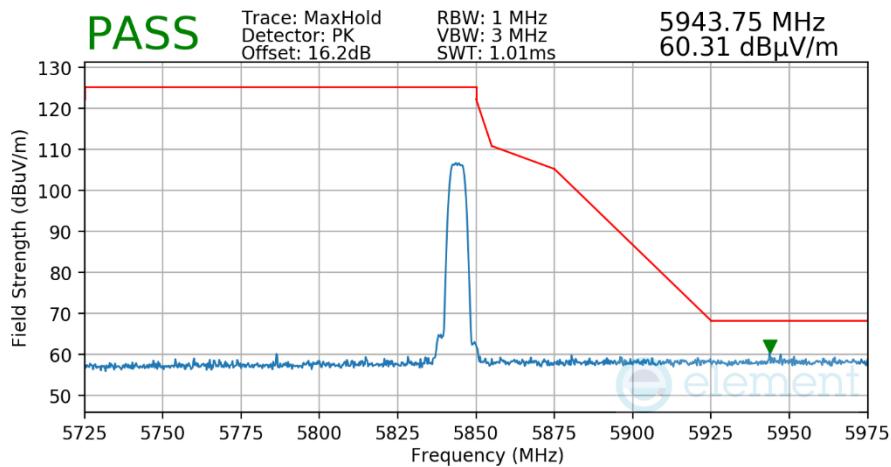
| | | | |
|--|---|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | Page 121 of 137 |

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



Plot 7-153. Radiated Upper Band Edge Measurement

Mode: HDR8
 Power Scheme ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 5844MHz



Plot 7-154. Radiated Upper Band Edge Measurement

| | | | |
|--|--|---------------------------------------|-----------------------------------|
| FCC ID: BCGA2764 |  element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Technical Manager |
| Test Report S/N: 1C2205090028-17-R1.BCG | Test Dates: 07/21/2022-9/29/2022 | EUT Type: Tablet Device | Page 122 of 137 |