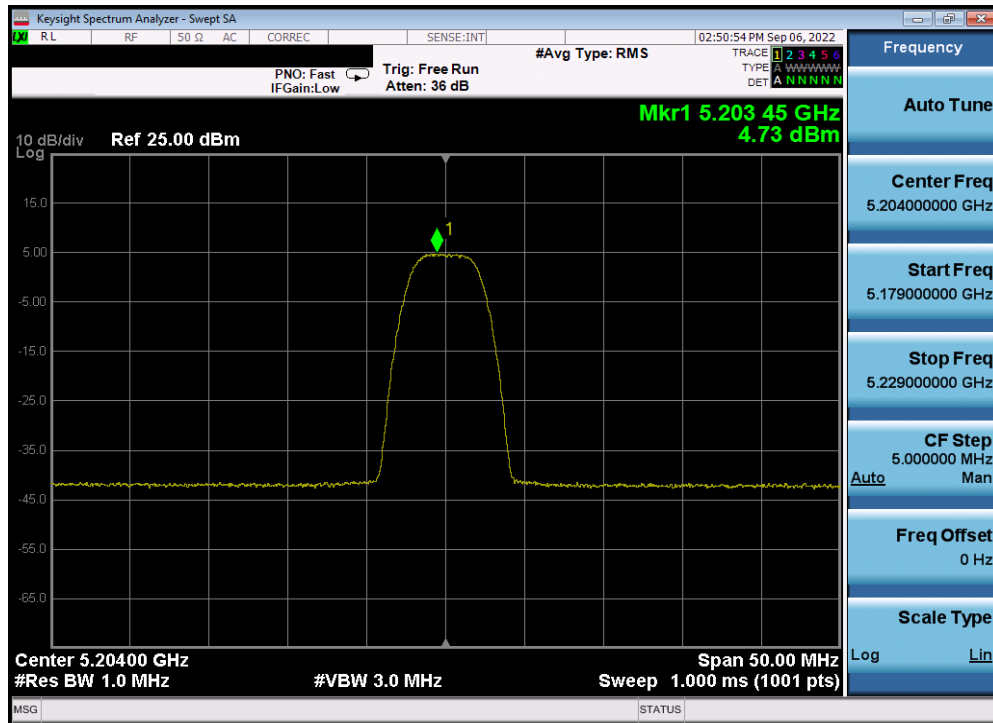
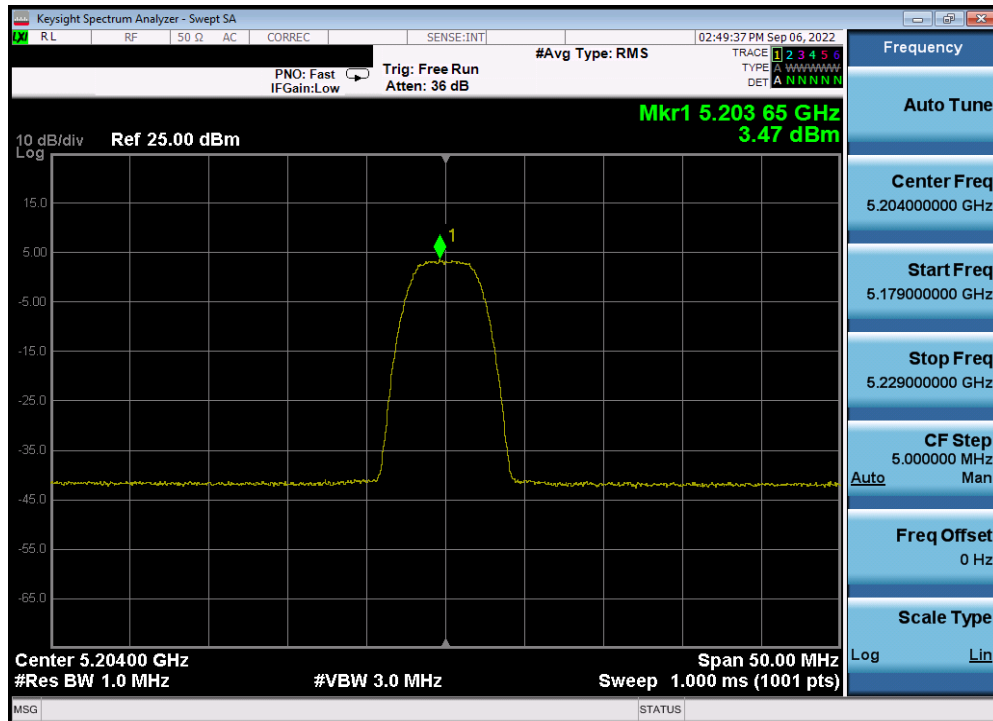


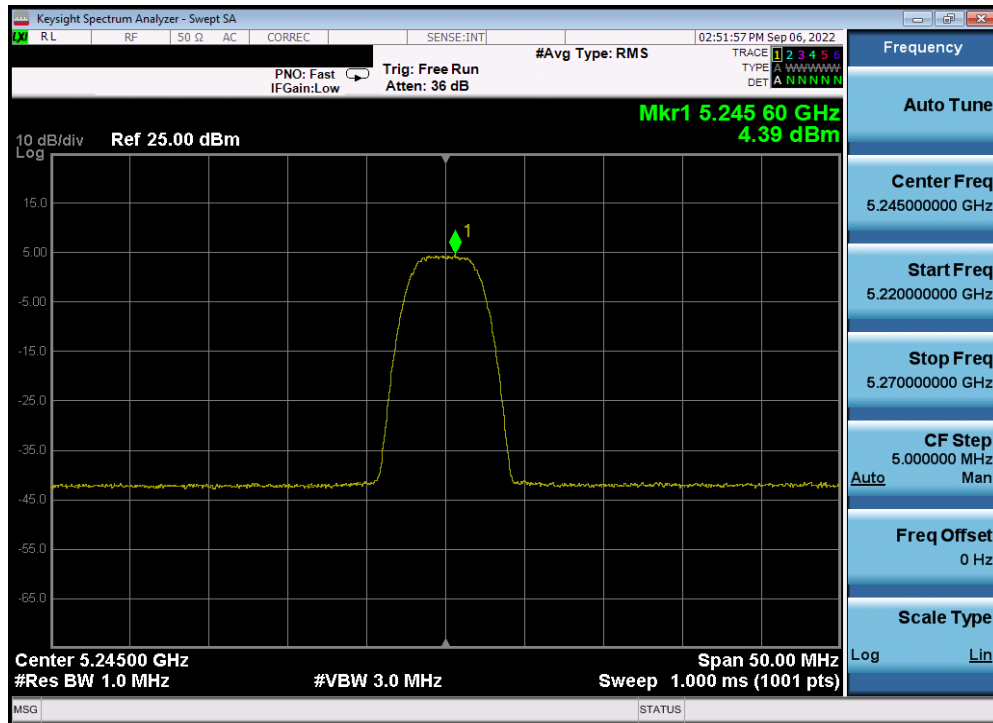


Plot 7-81. PSD TxBF Antenna 5b (HDR8, ePA, 5204MHz)

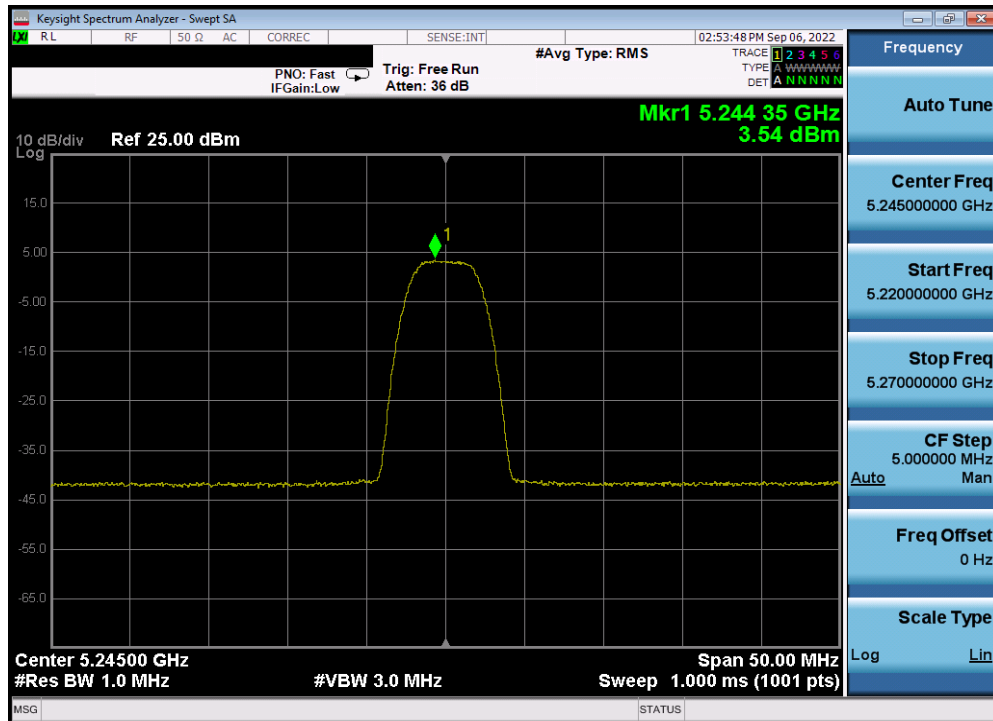


Plot 7-82. PSD TxBF Antenna 4a (HDR8, ePA, 5204MHz)

FCC ID: BCGA2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 72 of 136

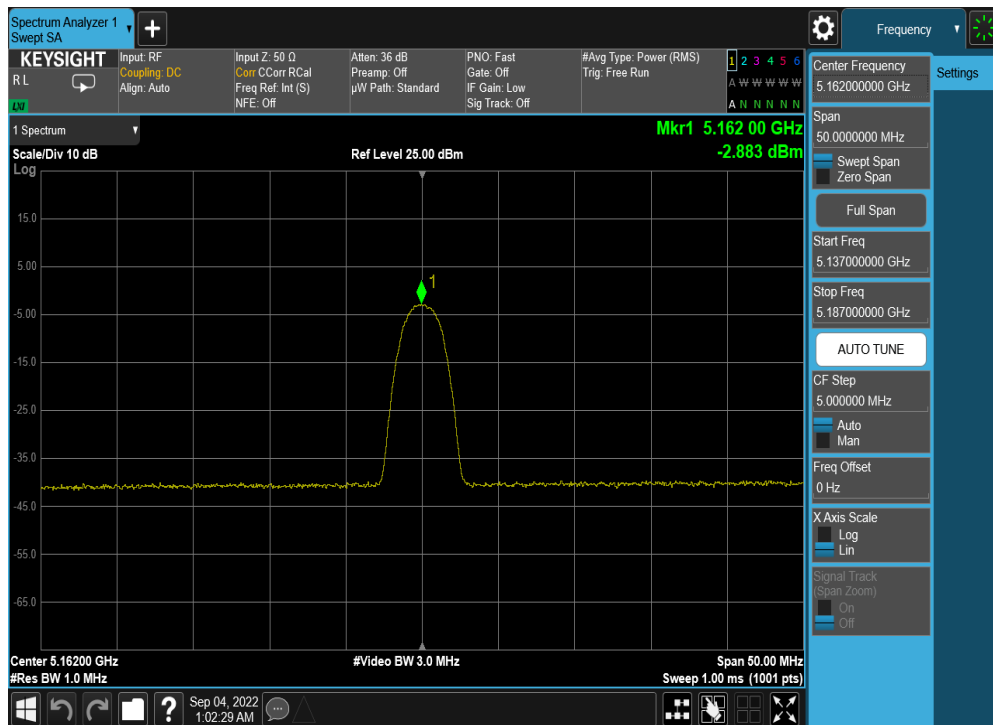
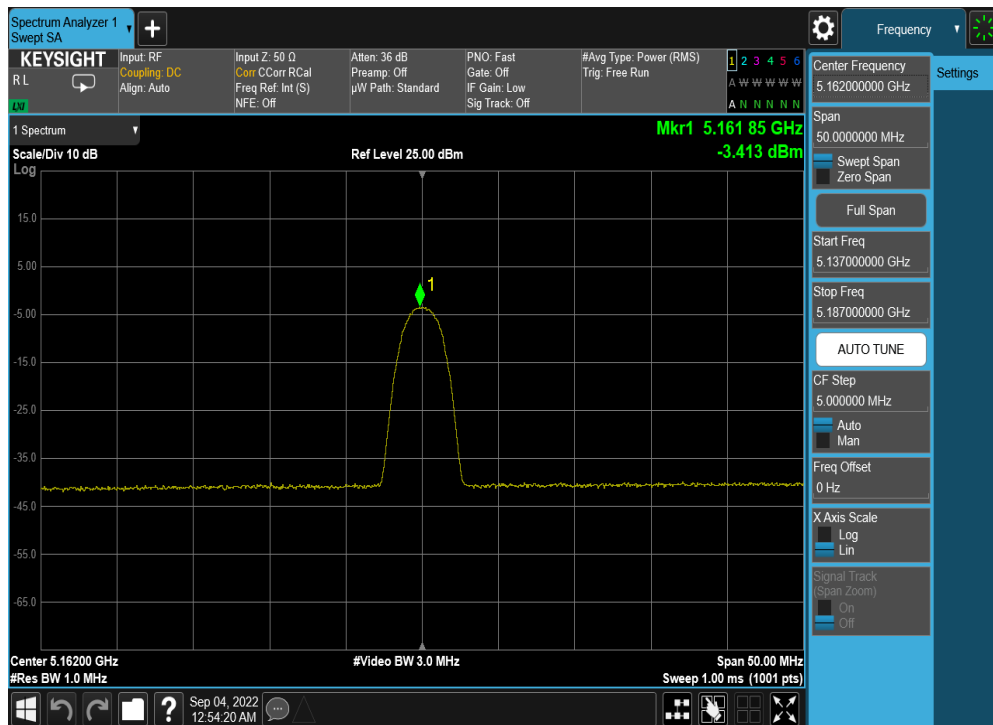


Plot 7-83. PSD TxBF Antenna 5b (HDR8, ePA, 5245MHz)



Plot 7-84. PSD TxBF Antenna 4a (HDR8, ePA, 5245MHz)

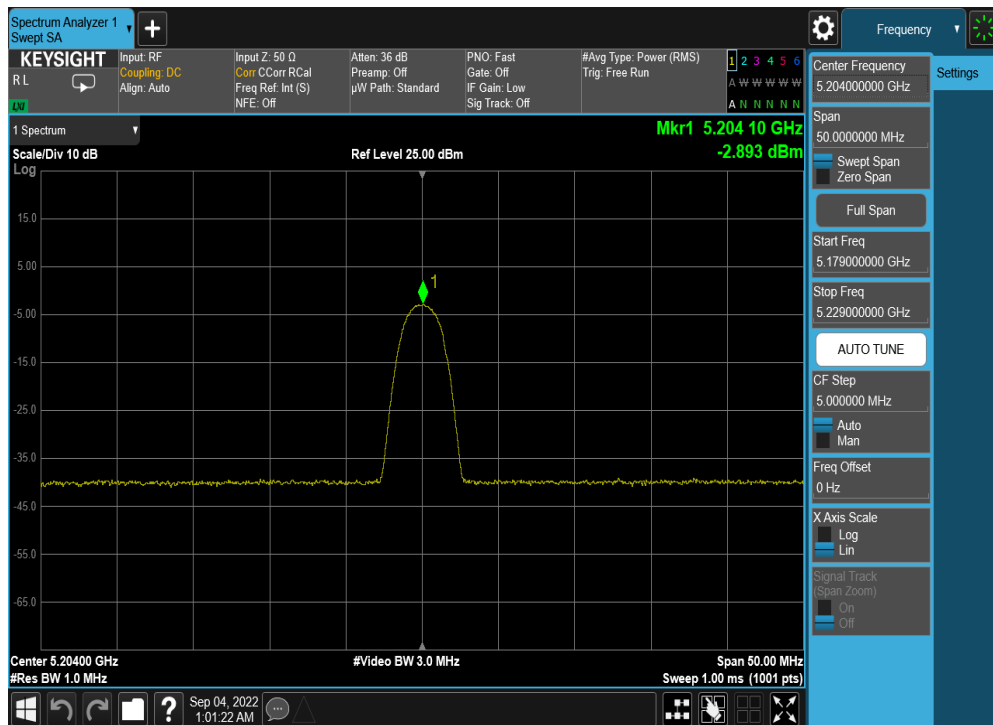
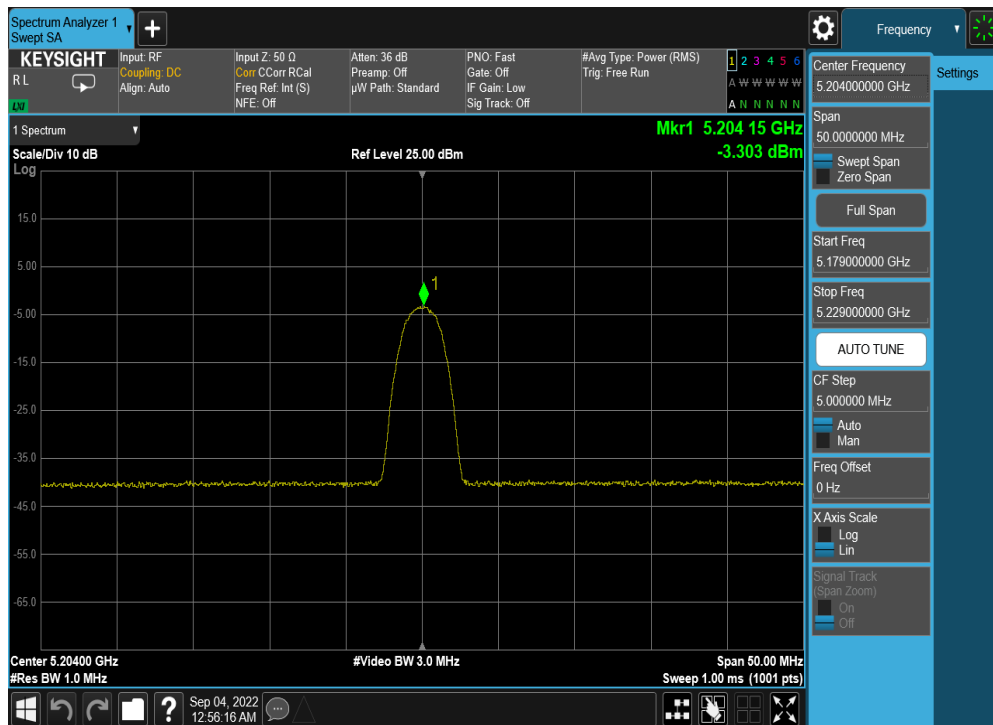
FCC ID: BCGA2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 73 of 136



FCC ID: BCGA2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 74 of 136

V 10.5 12/15/2021

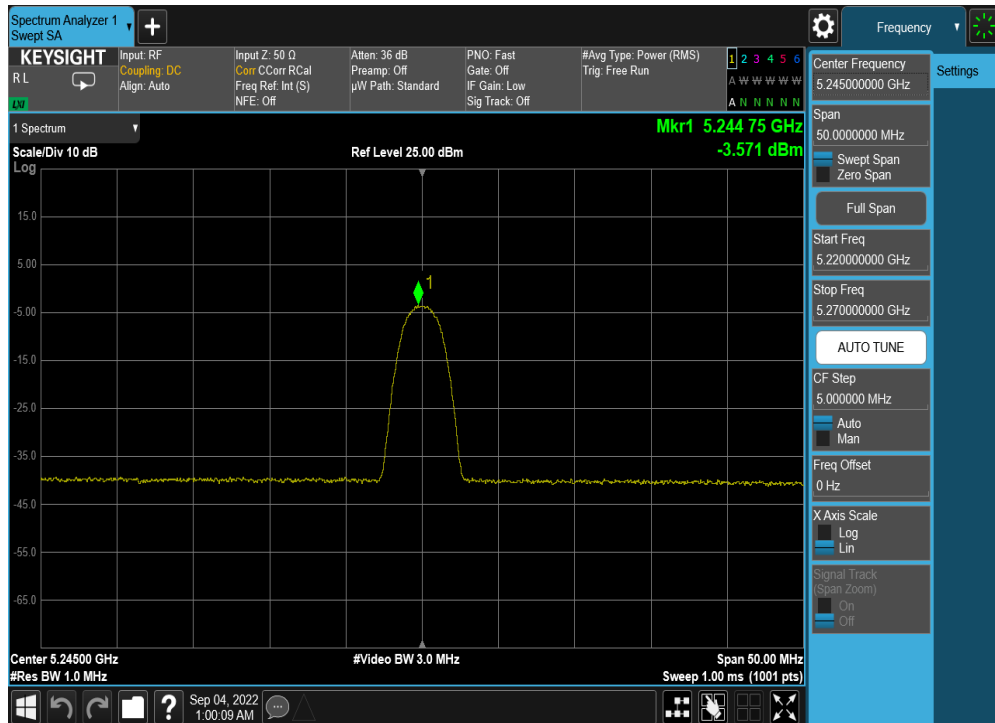
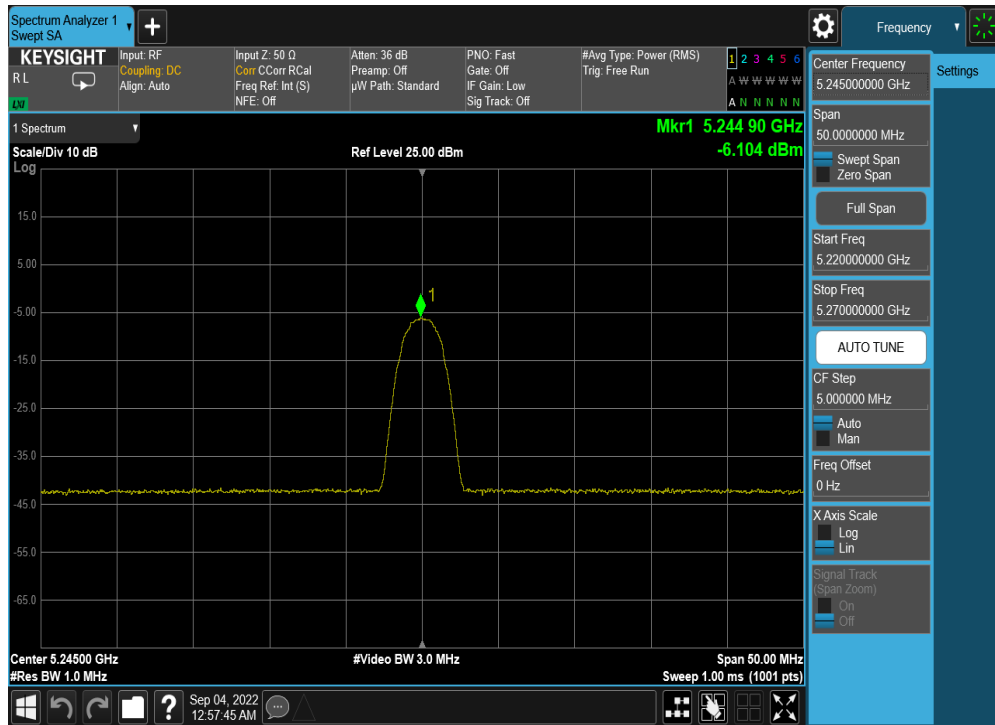
Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Washington DC LLC. If you have any questions about this or have an enquiry about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



FCC ID: BCGA2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 75 of 136

V 10.5 12/15/2021

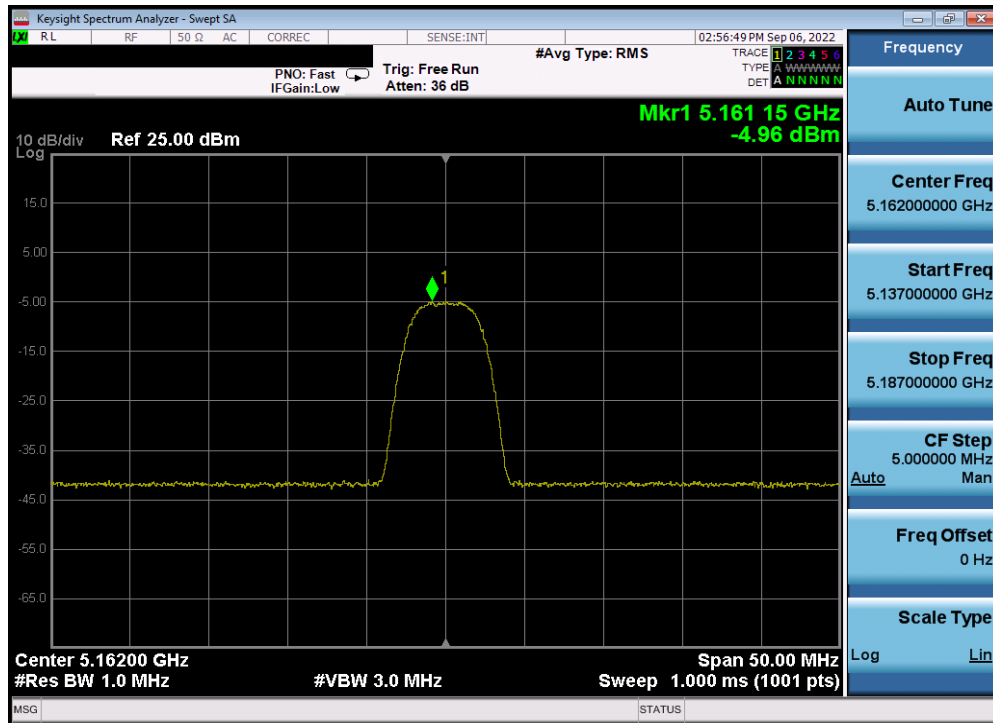
Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Washington DC LLC. If you have any questions about this or have an enquiry about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



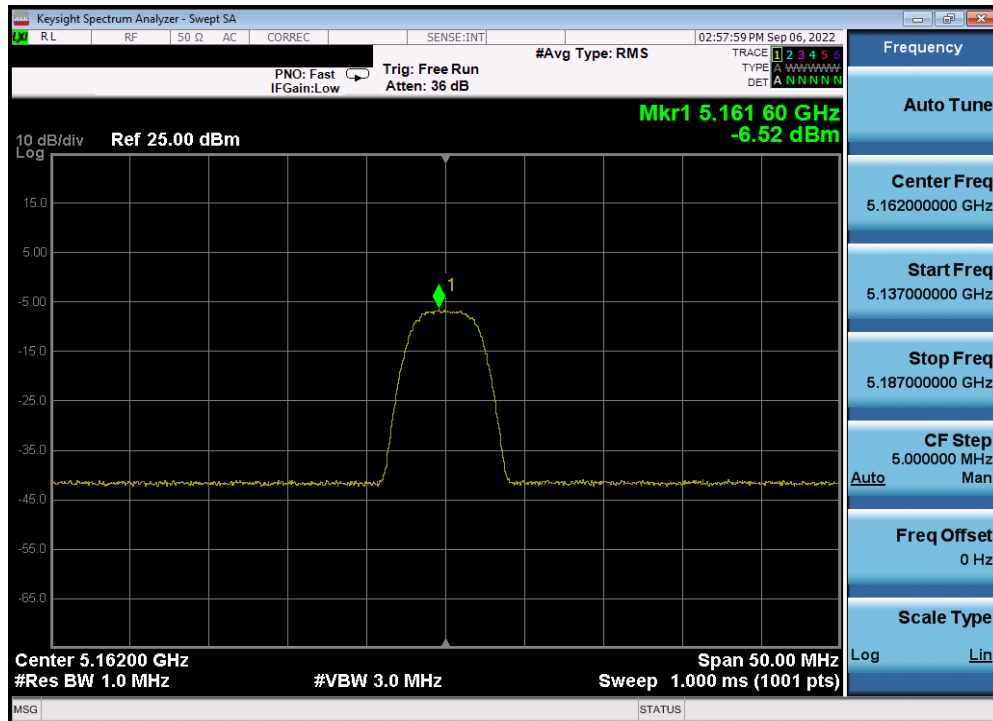
FCC ID: BCGA2435	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 76 of 136

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.

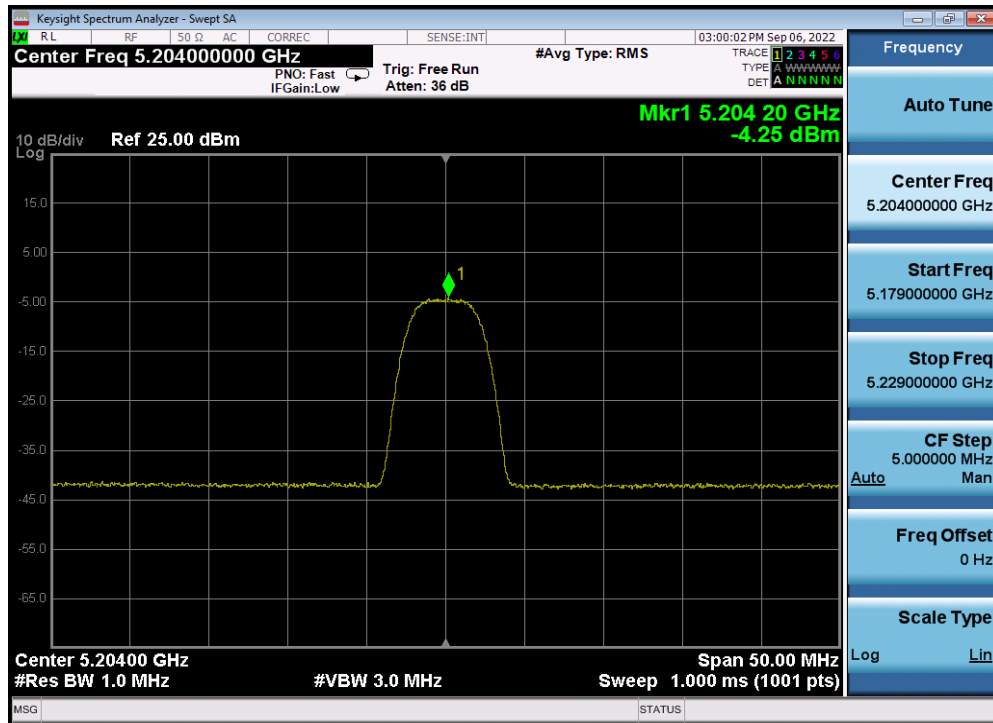


Plot 7-91. PSD TxBF Antenna 5b (HDR8, iPA, 5162MHz)

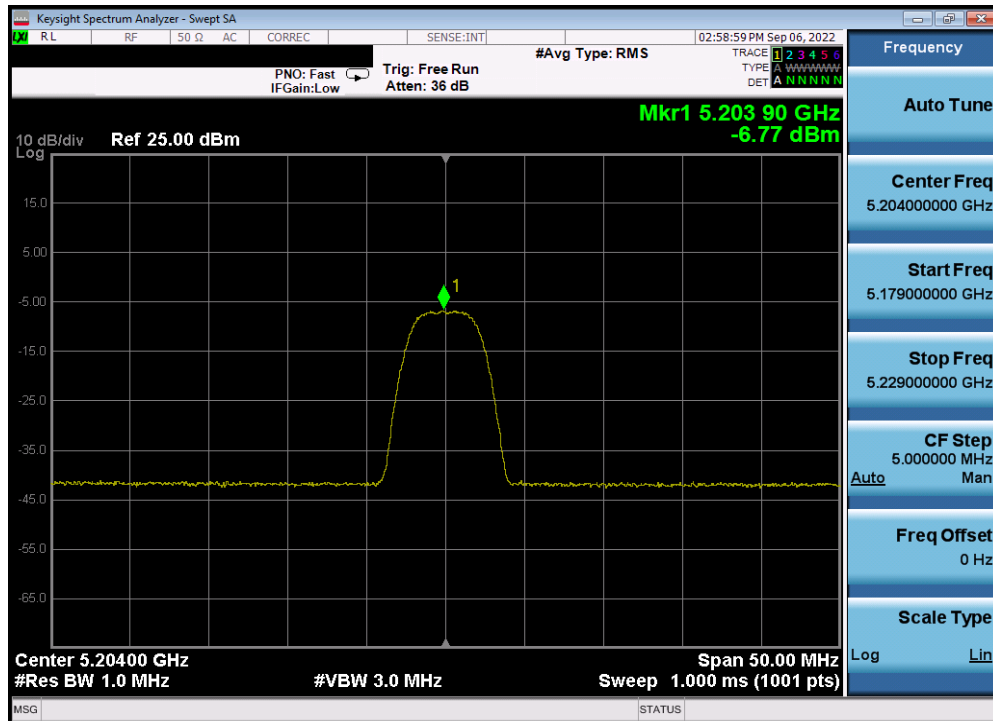


Plot 7-92. PSD TxBF Antenna 4a (HDR8, iPA, 5162MHz)

FCC ID: BCGA2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 77 of 136

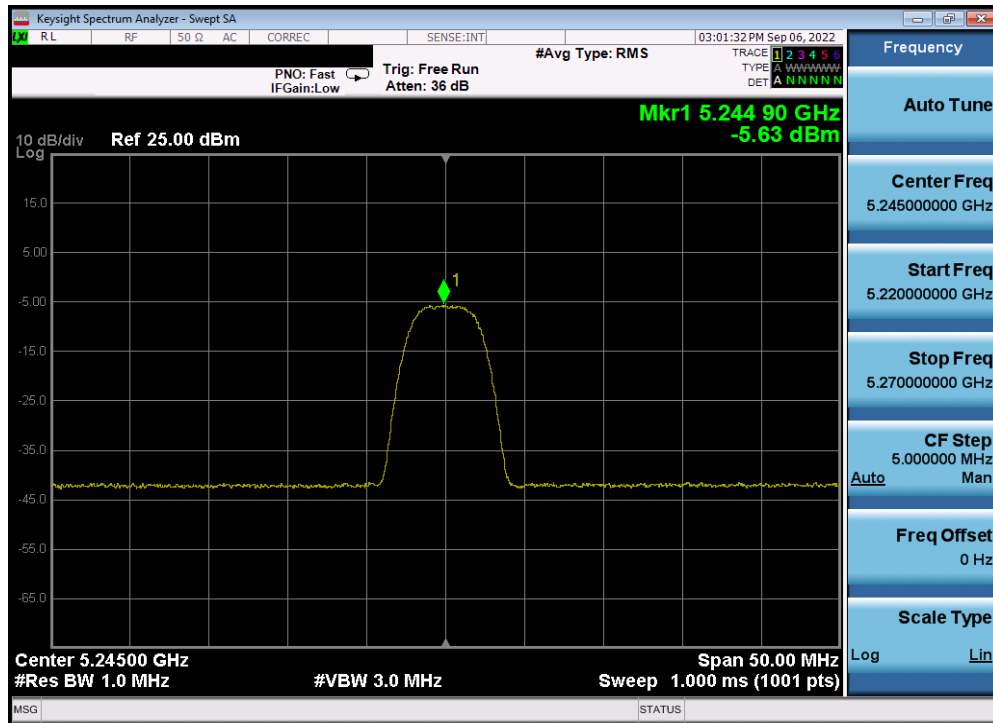


Plot 7-93. PSD TxBF Antenna 5b (HDR8, iPA, 5204MHz)

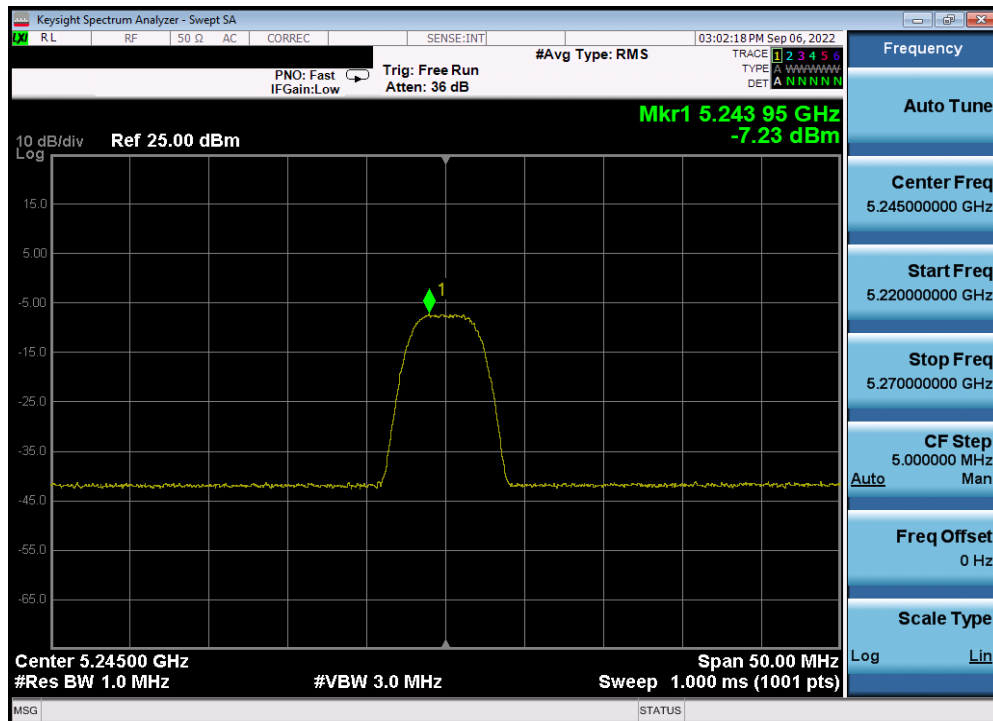


Plot 7-94. PSD TxBF Antenna 4a (HDR8, iPA, 5204MHz)

FCC ID: BCGA2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 78 of 136



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



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

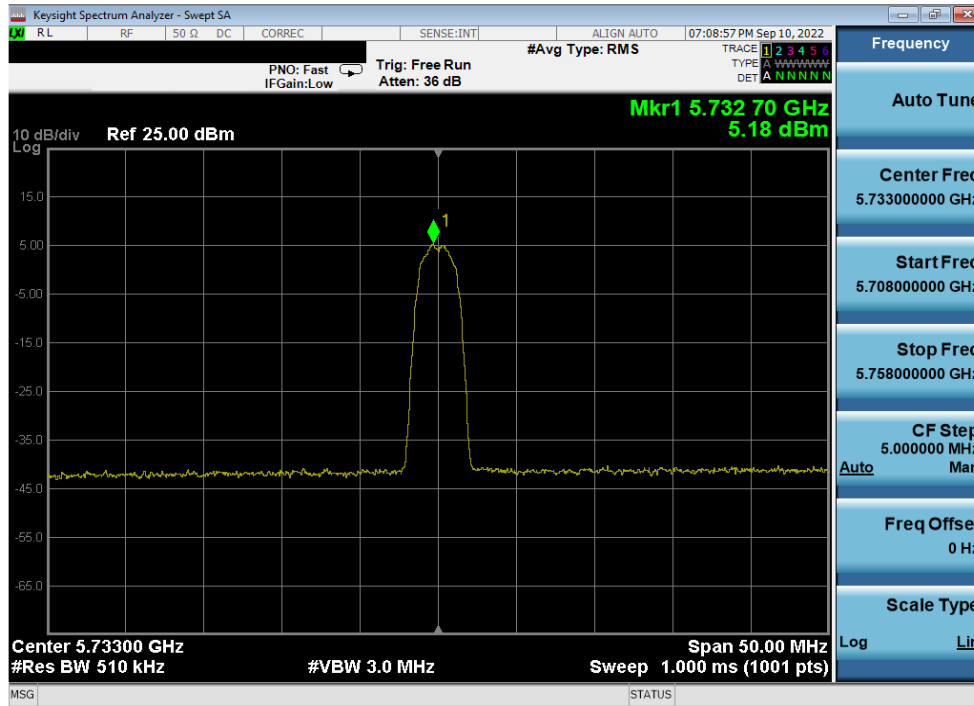
FCC ID: BCGA2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 79 of 136

	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	5.18	5.89	8.56	30.0	-21.44
	5789	HDR4	ePA	5.09	5.46	8.29	30.0	-21.71
	5844	HDR4	ePA	4.33	5.96	8.23	30.0	-21.77
	5745	HDR8	ePA	3.18	3.98	6.61	30.0	-23.39
	5785	HDR8	ePA	3.47	2.89	6.20	30.0	-23.80
	5825	HDR8	ePA	1.81	1.63	4.73	30.0	-25.27
	5733	HDR4	iPA	-3.85	-4.63	-1.21	30.0	-31.21
	5789	HDR4	iPA	-4.54	-4.96	-1.73	30.0	-31.73
	5844	HDR4	iPA	-5.09	-4.47	-1.75	30.0	-31.75
	5745	HDR8	iPA	-6.97	-7.42	-4.18	30.0	-34.18
	5785	HDR8	iPA	-7.32	-7.87	-4.57	30.0	-34.57
	5825	HDR8	iPA	-9.09	-9.13	-6.10	30.0	-36.10

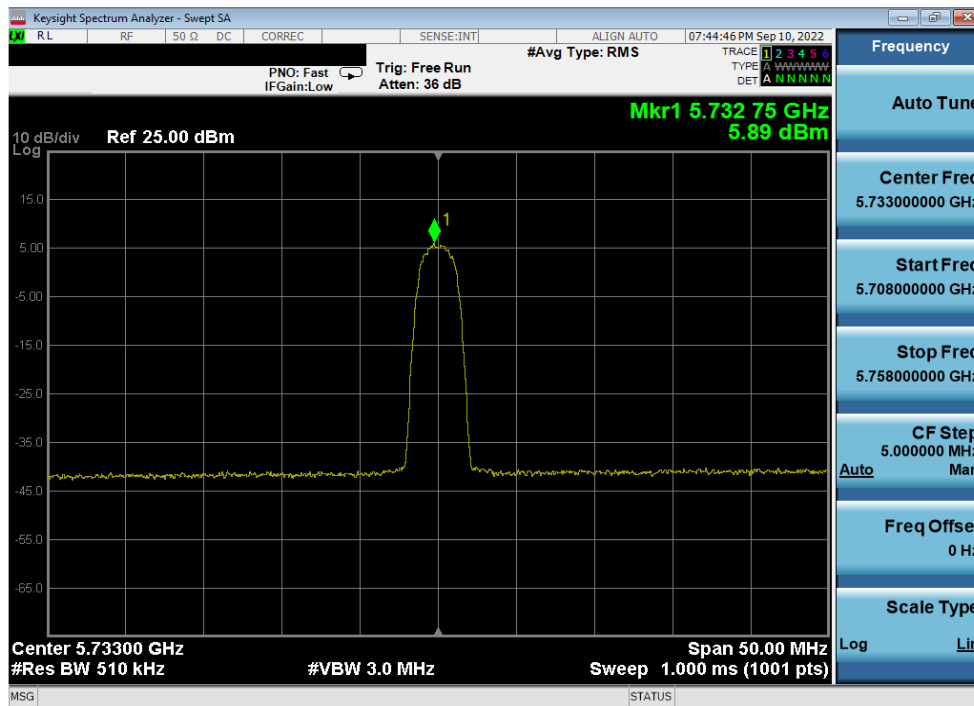
Table 7-14. Power Spectral Density Measurements

FCC ID: BCGA2435	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 80 of 136

V 10.5 12/15/2021

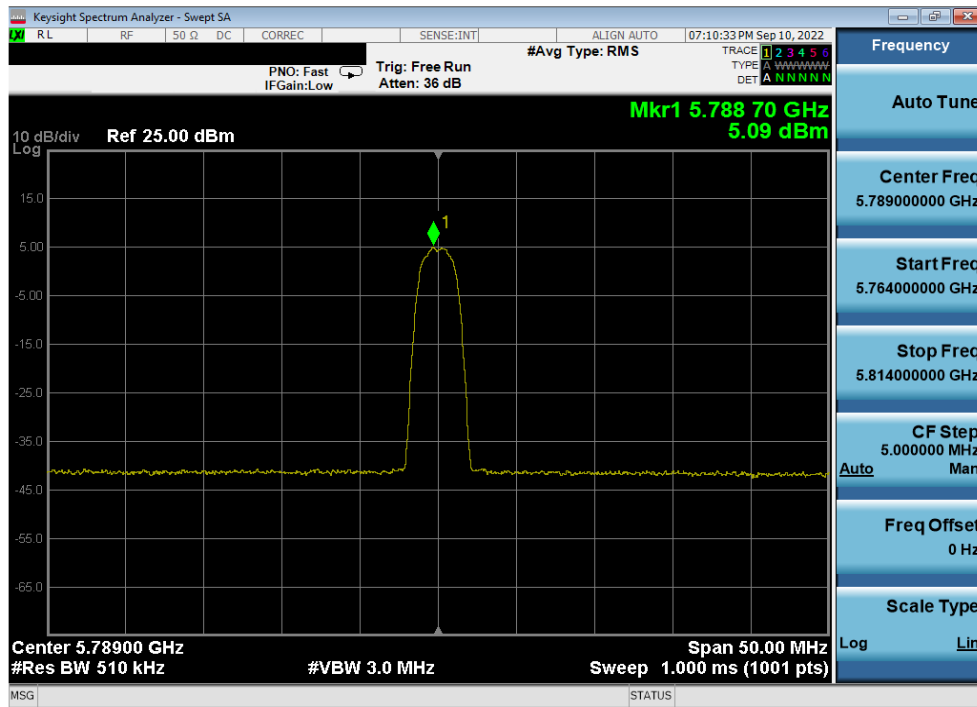


Plot 7-97. PSD TxBF Antenna 5b (HDR4, ePA, 5733MHz)

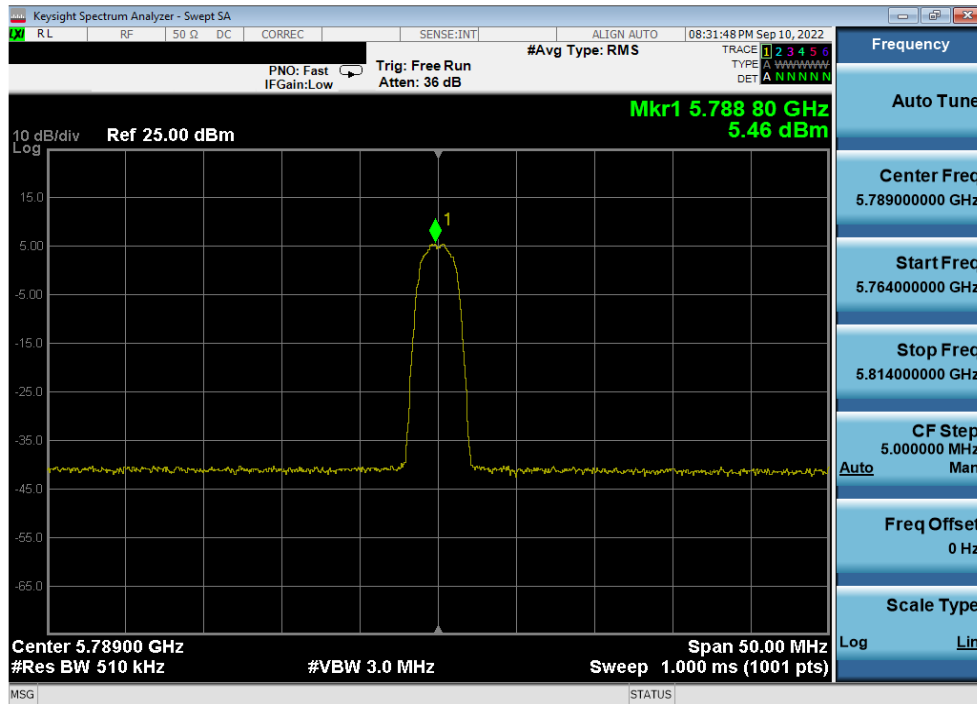


Plot 7-98. PSD TxBF Antenna 4a (HDR4, ePA, 5733MHz)

FCC ID: BCGA2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 81 of 136

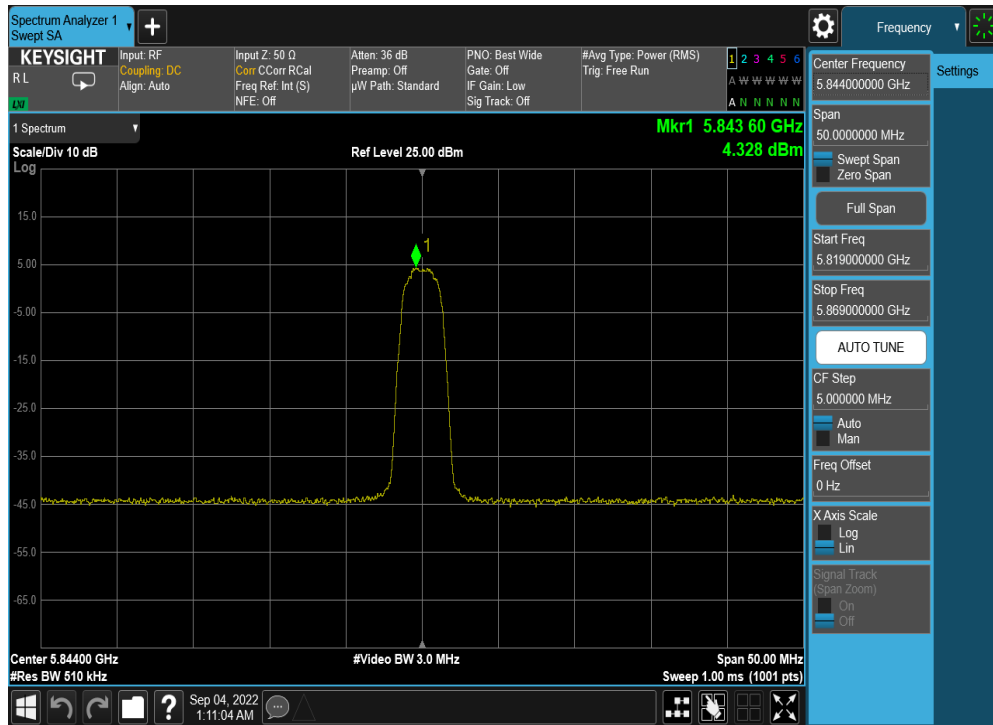


Plot 7-99. PSD TxBF Antenna 5b (HDR4, ePA, 5789MHz)

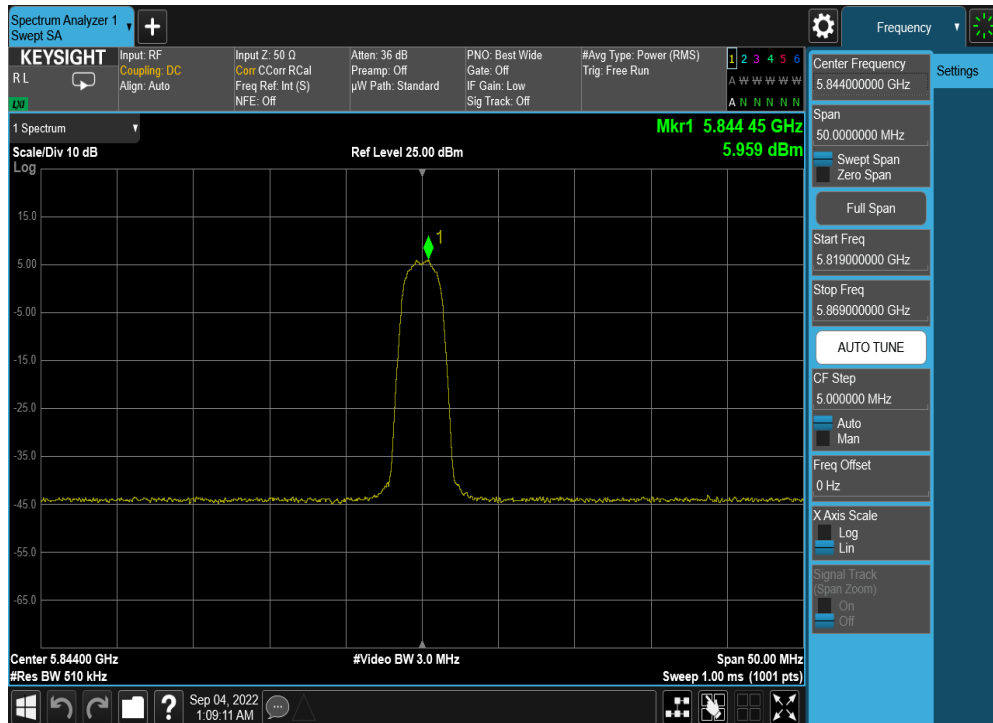


Plot 7-100. PSD TxBF Antenna 4a (HDR4, ePA, 5789MHz)

FCC ID: BCGA2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 82 of 136



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

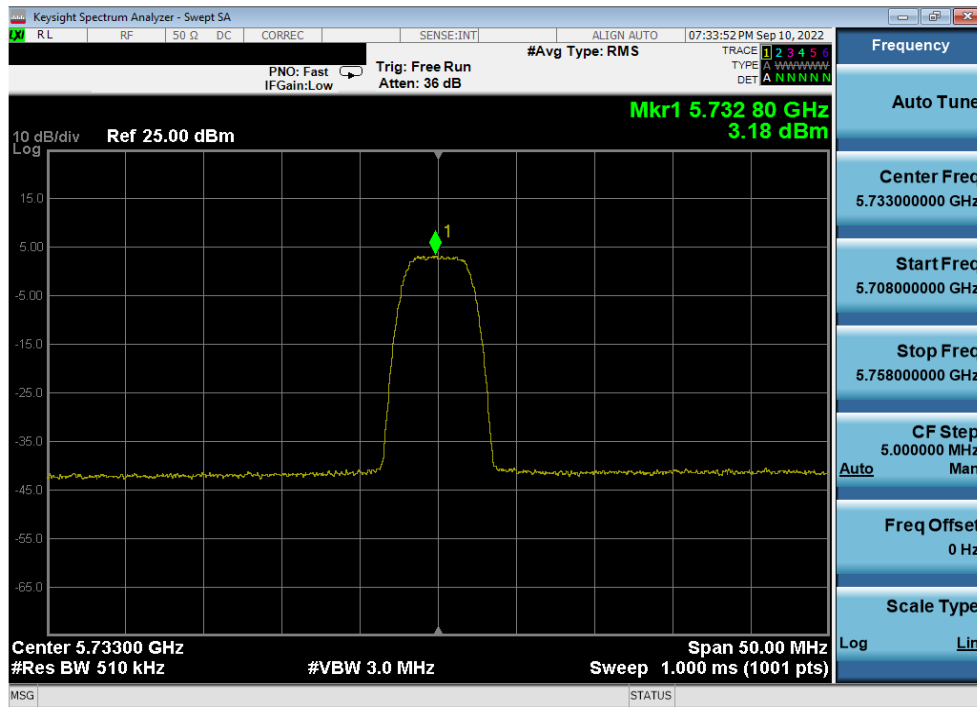


Plot 7-102. PSD TxBF Antenna 4a (HDR4, ePA, 5844MHz)

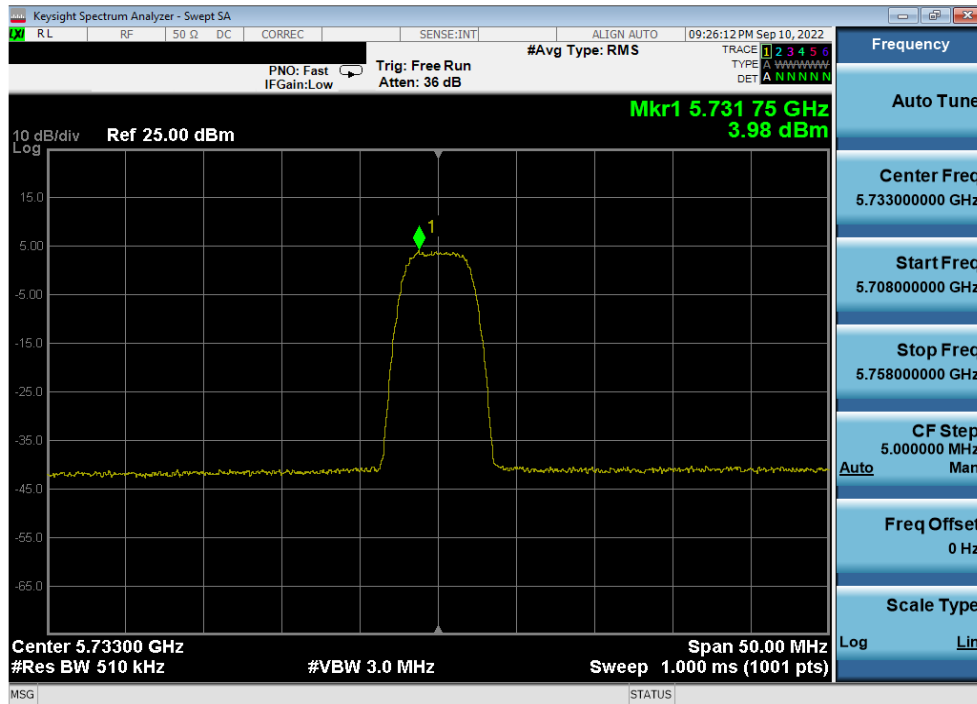
FCC ID: BCGA2435	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 83 of 136

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.

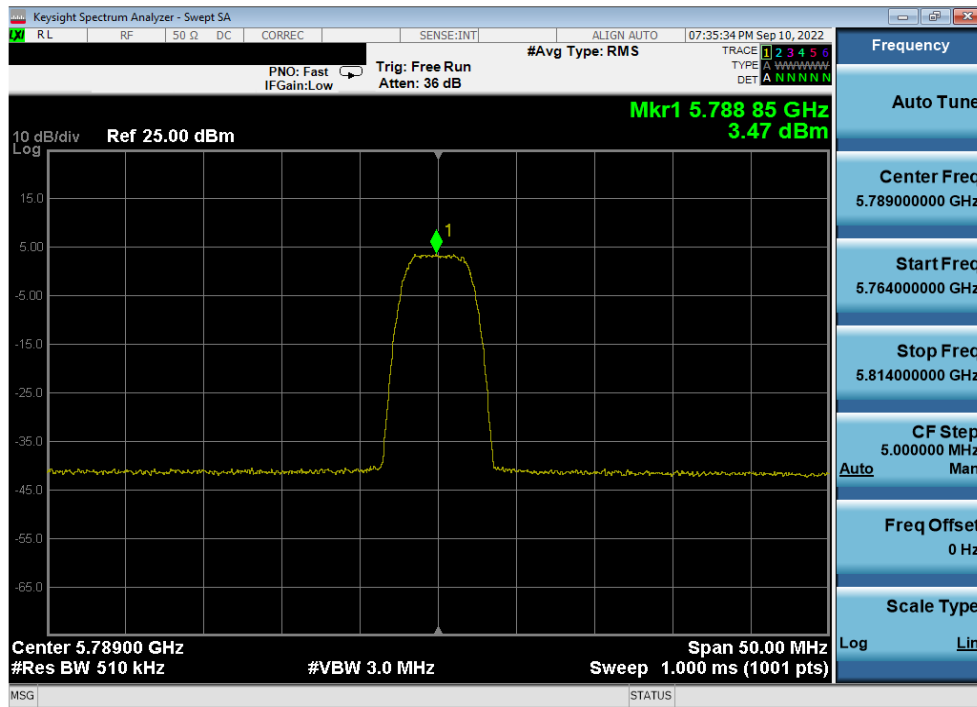


Plot 7-103. PSD TxBF Antenna 5b (HDR8, ePA, 5733MHz)

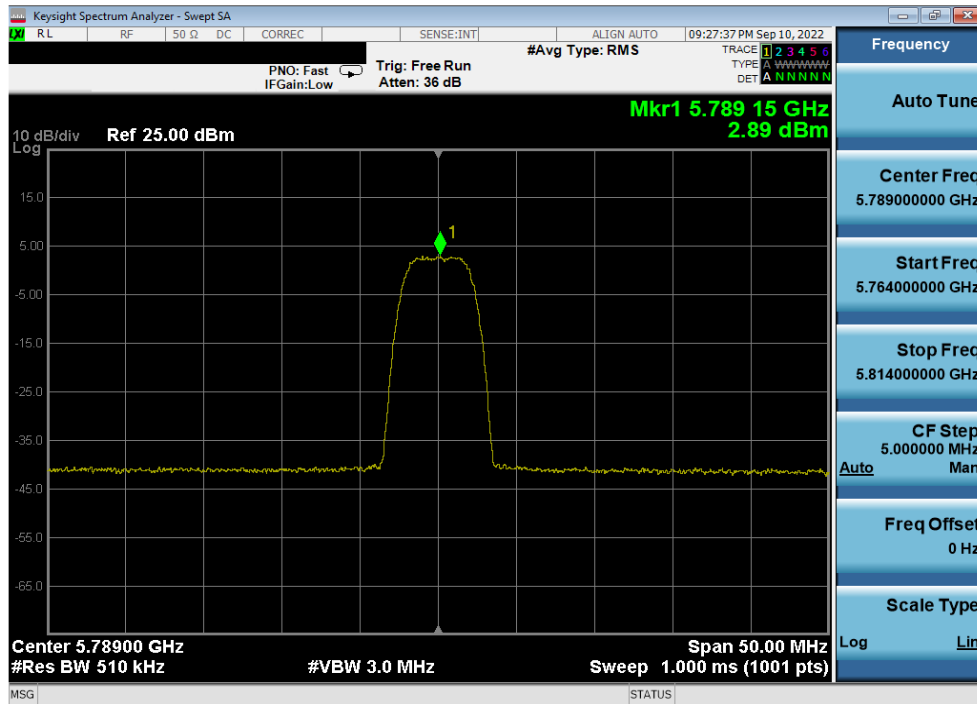


Plot 7-104. PSD TxBF Antenna 4a (HDR8, ePA, 5733MHz)

FCC ID: BCGA2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 84 of 136

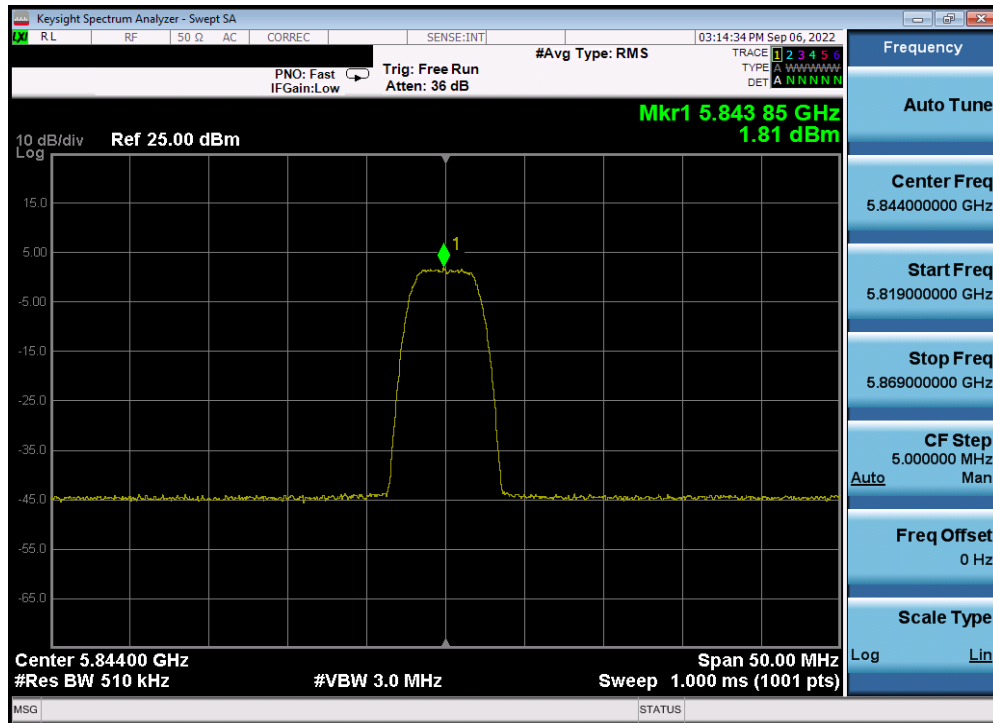


Plot 7-105. PSD TxBF Antenna 5b (HDR8, ePA, 5789MHz)

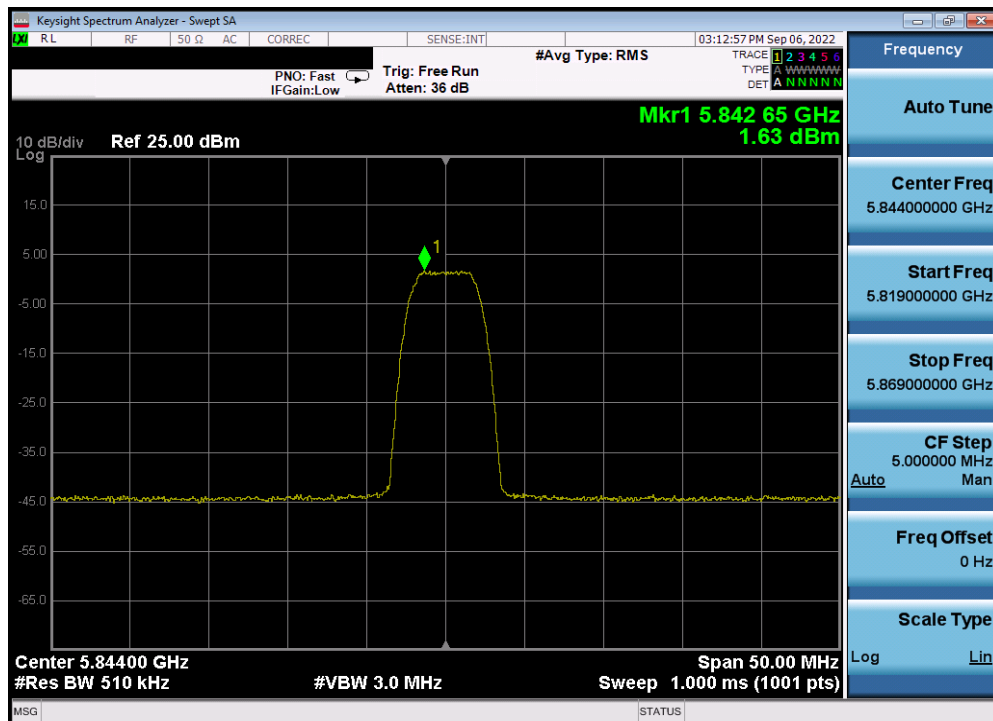


Plot 7-106. PSD TxBF Antenna 4a (HDR8, ePA, 5789MHz)

FCC ID: BCGA2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 85 of 136

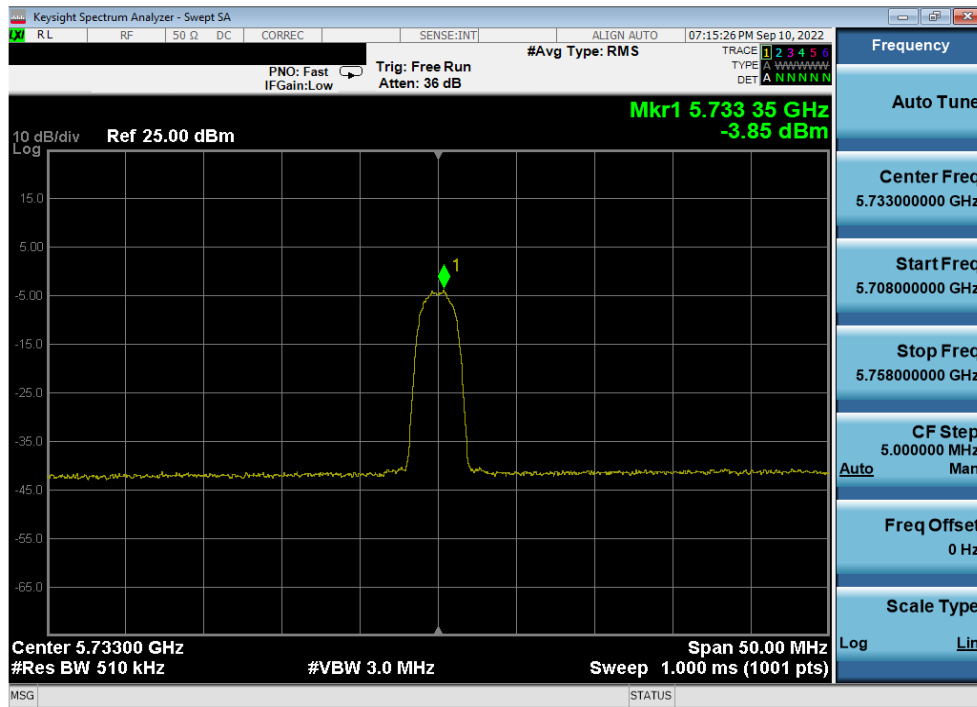


Plot 7-107. PSD TxBF Antenna 5b (HDR8, ePA, 5844MHz)

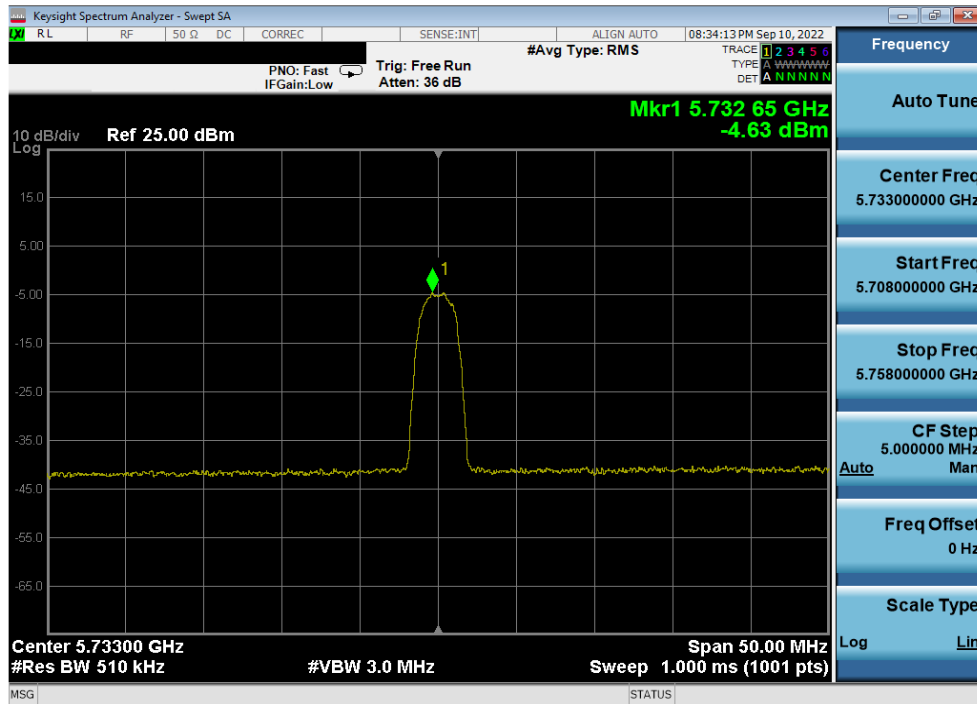


Plot 7-108. PSD TxBF Antenna 4a (HDR8, ePA, 5844MHz)

FCC ID: BCGA2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 86 of 136



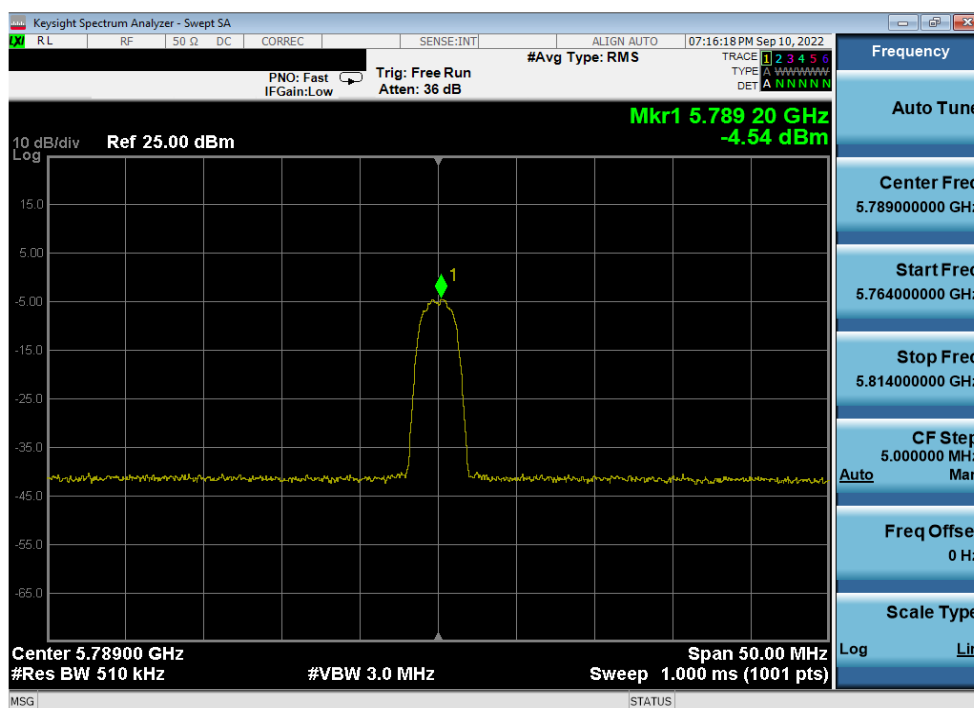
Plot 7-109. PSD TxBF Antenna 5b (HDR4, iPA, 5733MHz)



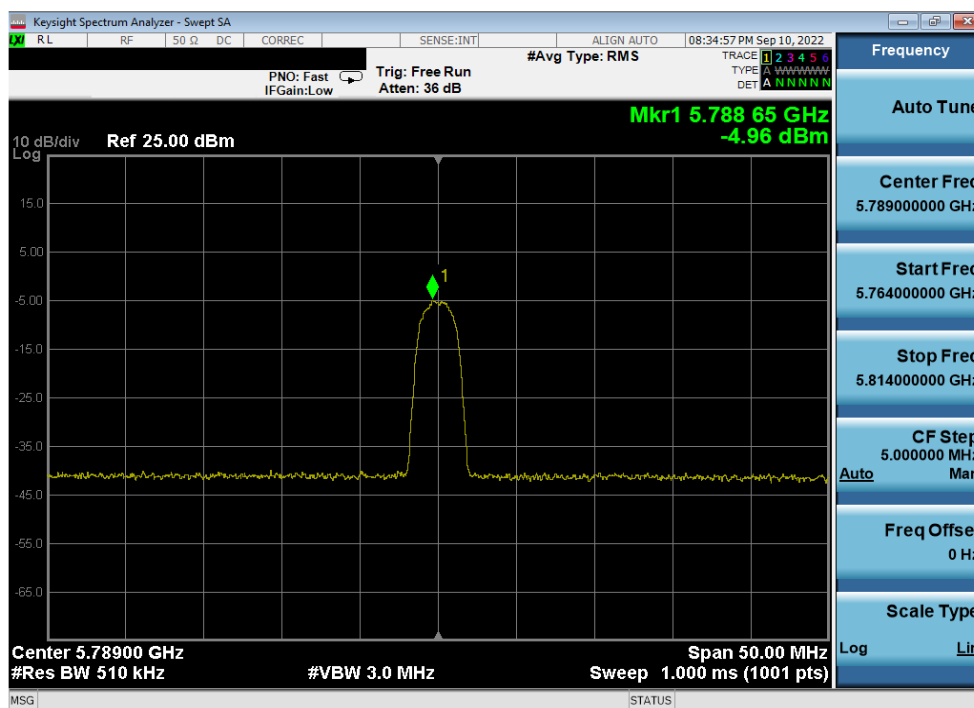
Plot 7-110. PSD TxBF Antenna 4a (HDR4, iPA, 5733MHz)

FCC ID: BCGA2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 87 of 136

V 10.5 12/15/2021



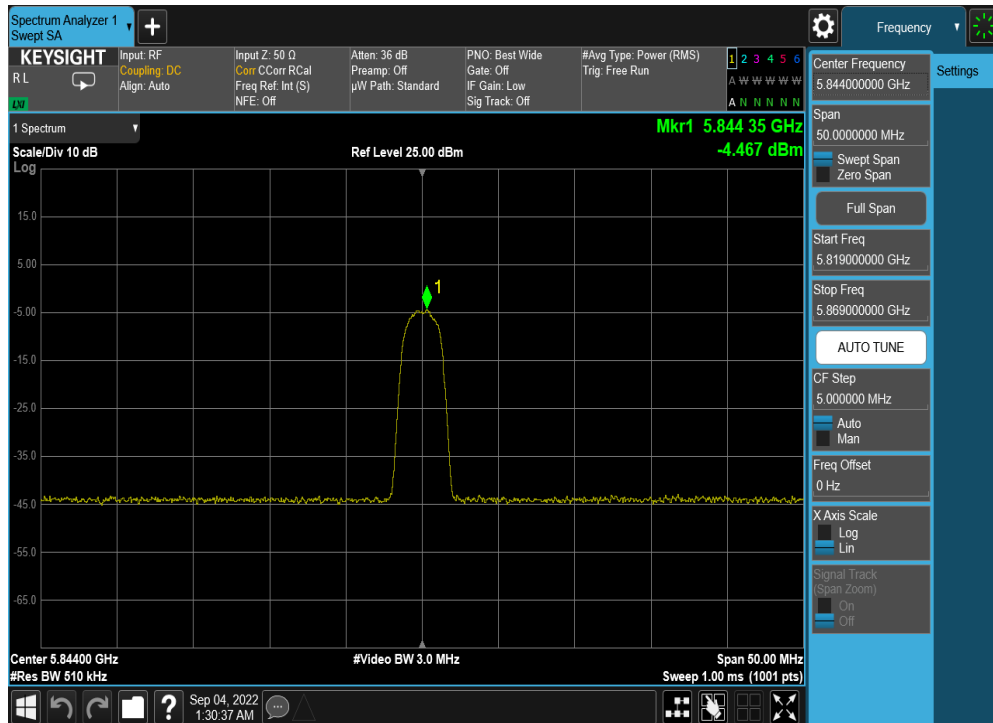
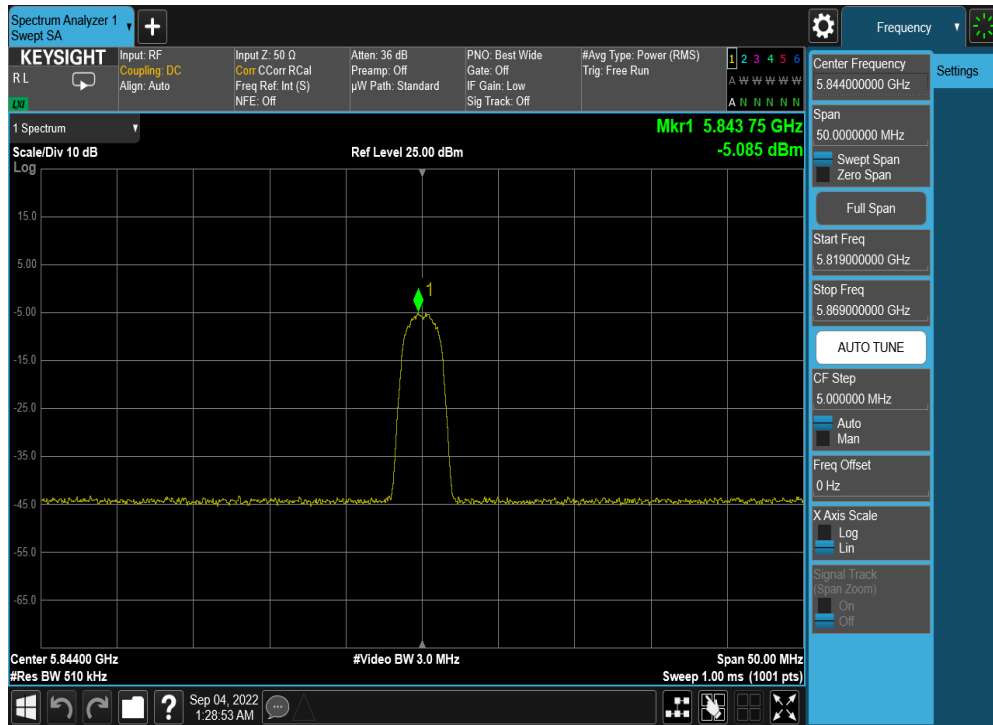
Plot 7-111. PSD TxBF Antenna 5b (HDR4, iPA, 5789MHz)



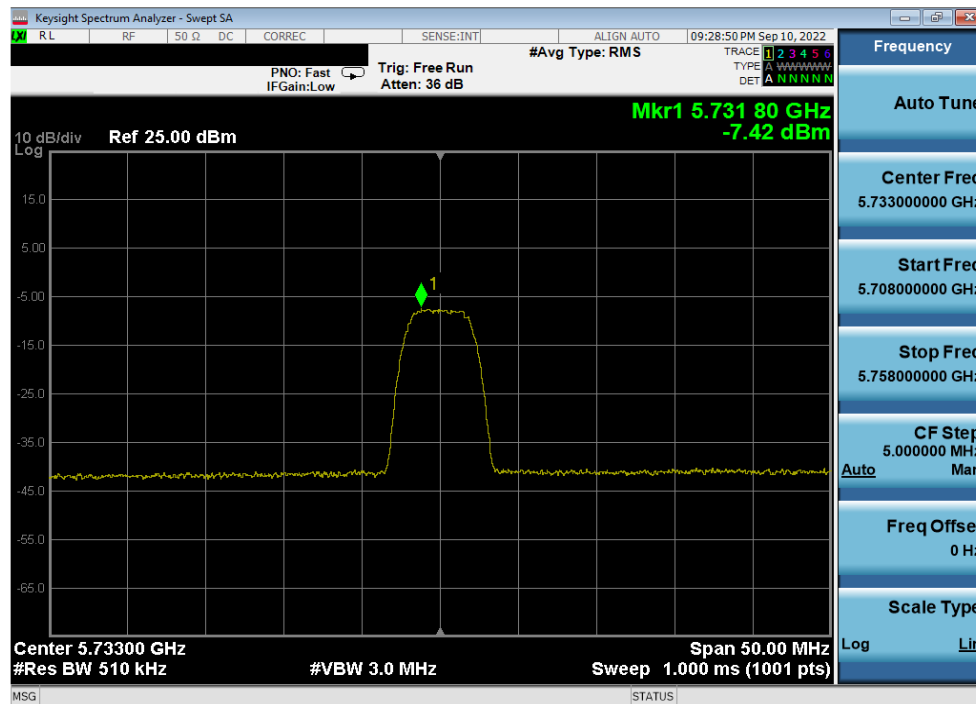
Plot 7-112. PSD TxBF Antenna 4a (HDR4, iPA, 5789MHz)

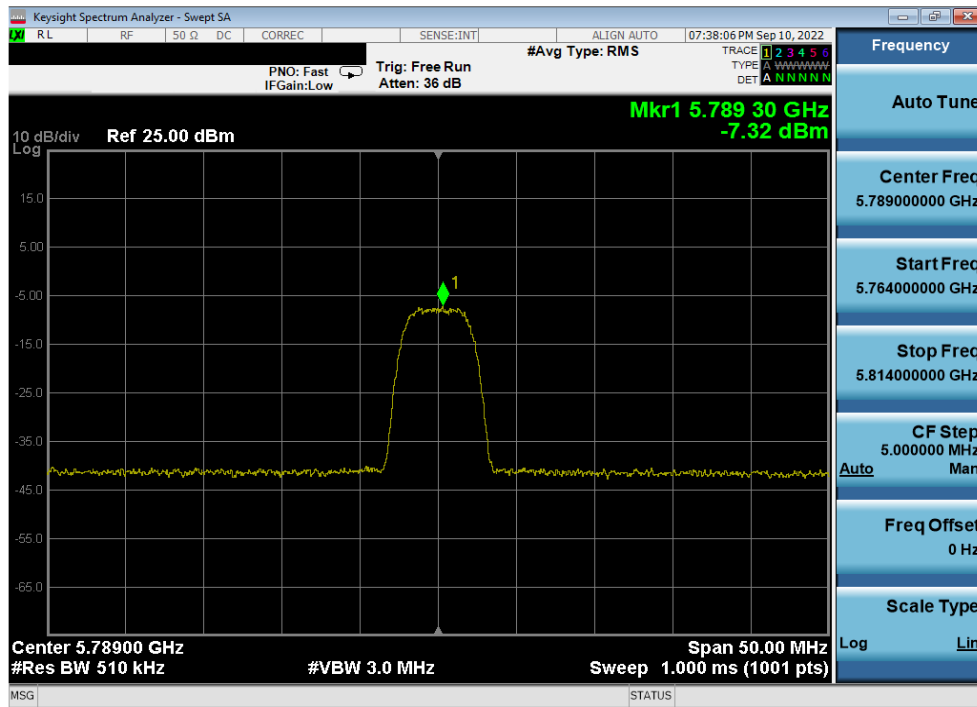
FCC ID: BCGA2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 88 of 136

V 10.5 12/15/2021

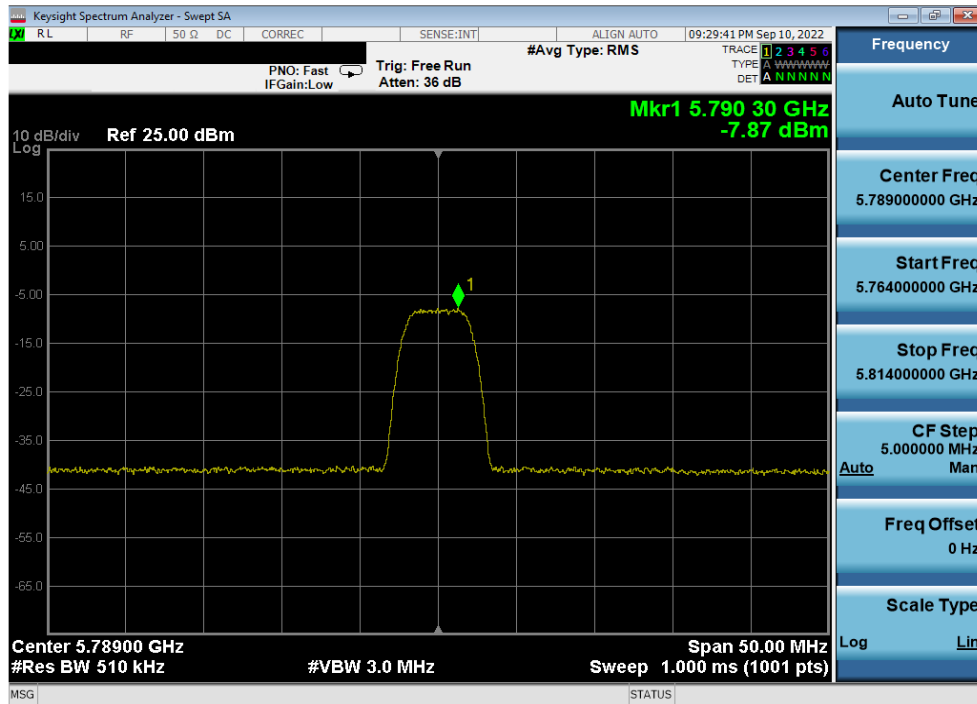


FCC ID: BCGA2435	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 89 of 136

V 10.5 12/15/2021

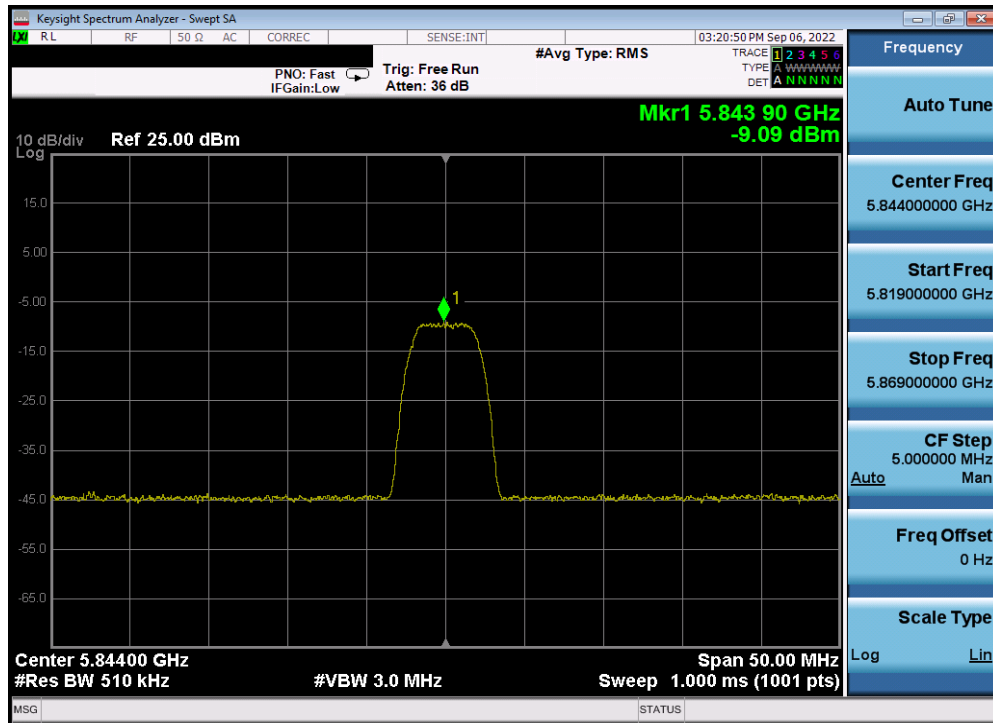


Plot 7-117. PSD TxBF Antenna 5b (HDR8, iPA, 5789MHz)

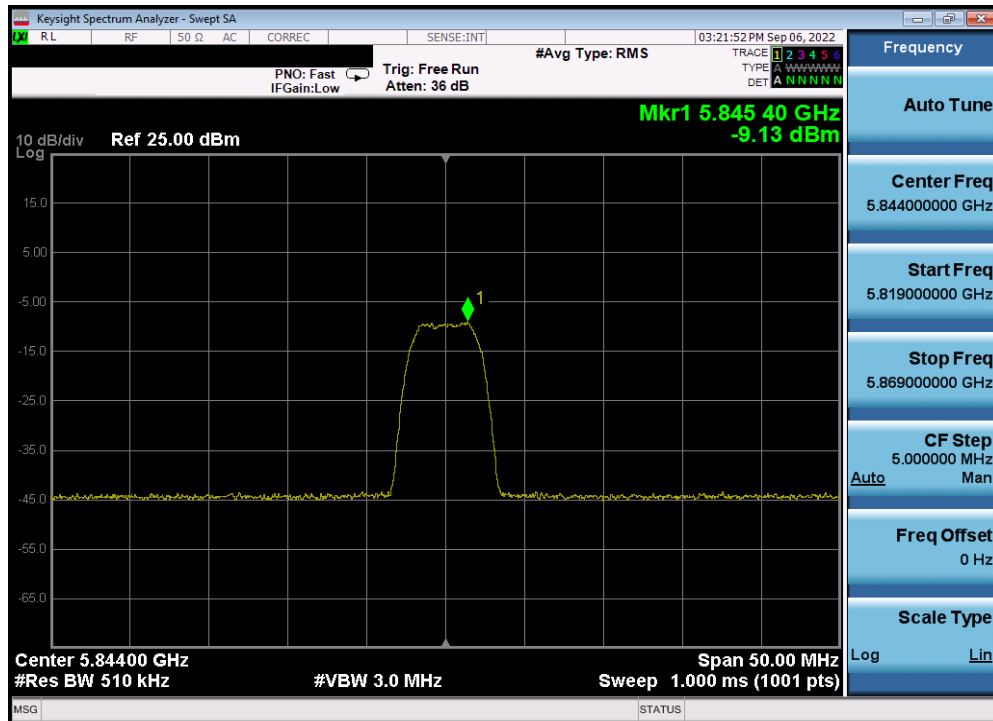


Plot 7-118. PSD TxBF Antenna 4a (HDR8, iPA, 5789MHz)

FCC ID: BCGA2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 91 of 136



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



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

FCC ID: BCGA2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 92 of 136



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 5.18 dBm for Antenna 5b and 5.89 dBm for Antenna 4a.

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

$$(5.18 \text{ dBm} + 5.89 \text{ dBm}) = (3.296 \text{ mW} + 3.882 \text{ mW}) = 7.178 \text{ mW} = 8.56 \text{ dBm}$$

FCC ID: BCGA2435	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 93 of 136

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 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: BCGA2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 94 of 136

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.

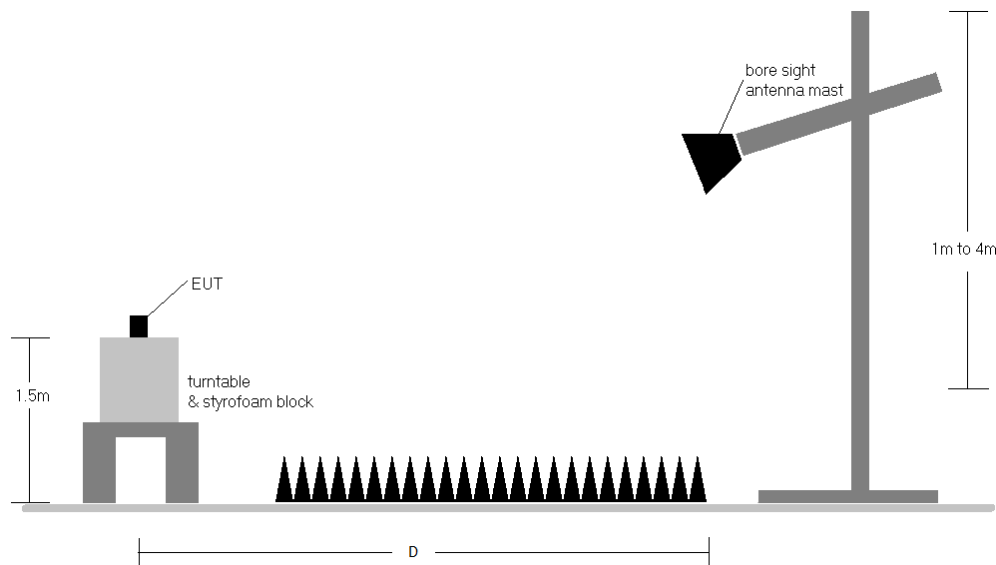


Figure 7-5. Test Instrument & Measurement Setup

FCC ID: BCGA2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 95 of 136

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.

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

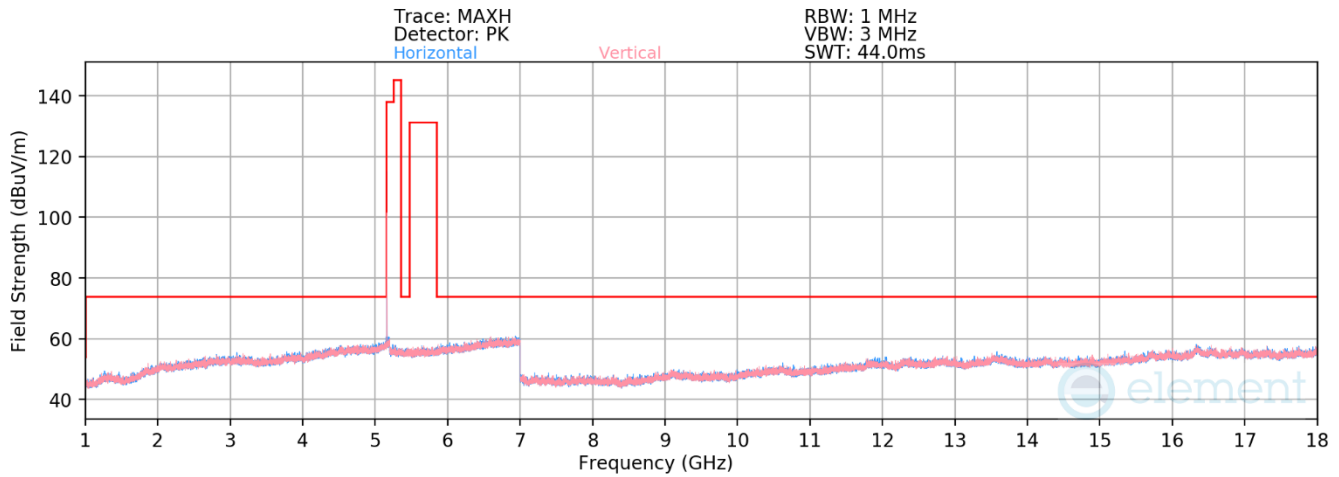
- The amplitude offset shown in the radiated restricted band edge plots in Section 7.6.4 was calculated using the formula:
Offset (dB) = (Antenna Factor + Cable Loss + Attenuator) – Preamplifier Gain

FCC ID: BCGA2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 96 of 136

V 10.5 12/15/2021

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

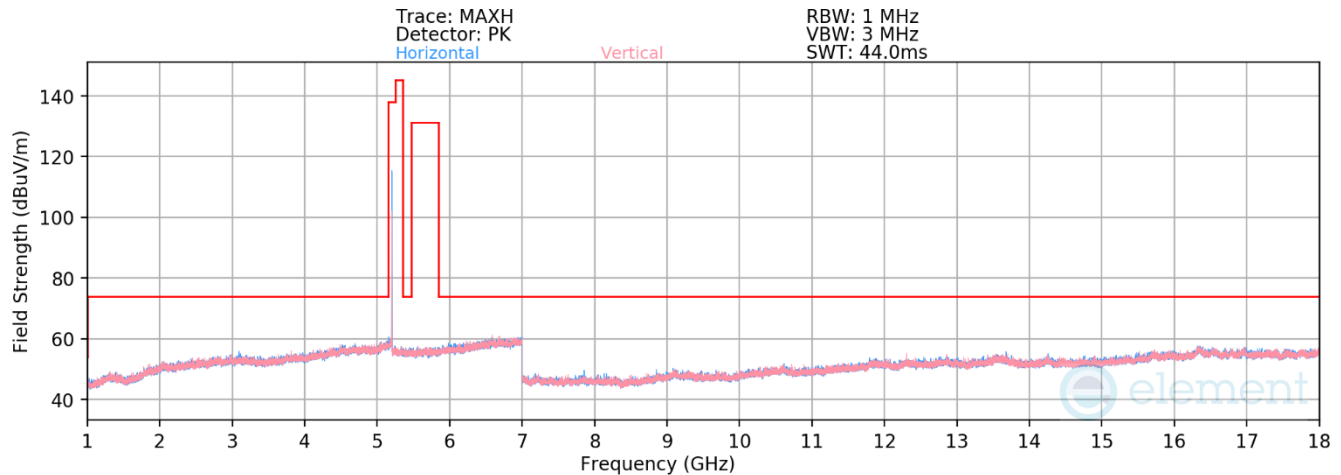
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
10324.00	Peak	H	-	-	-72.25	14.80	49.55	68.20	-18.65
* 15486.00	Average	H	-	-	-83.92	20.16	43.24	53.98	-10.74
* 15486.00	Peak	H	-	-	-73.33	20.16	53.83	73.98	-20.15

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

FCC ID: BCGA2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 97 of 136

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

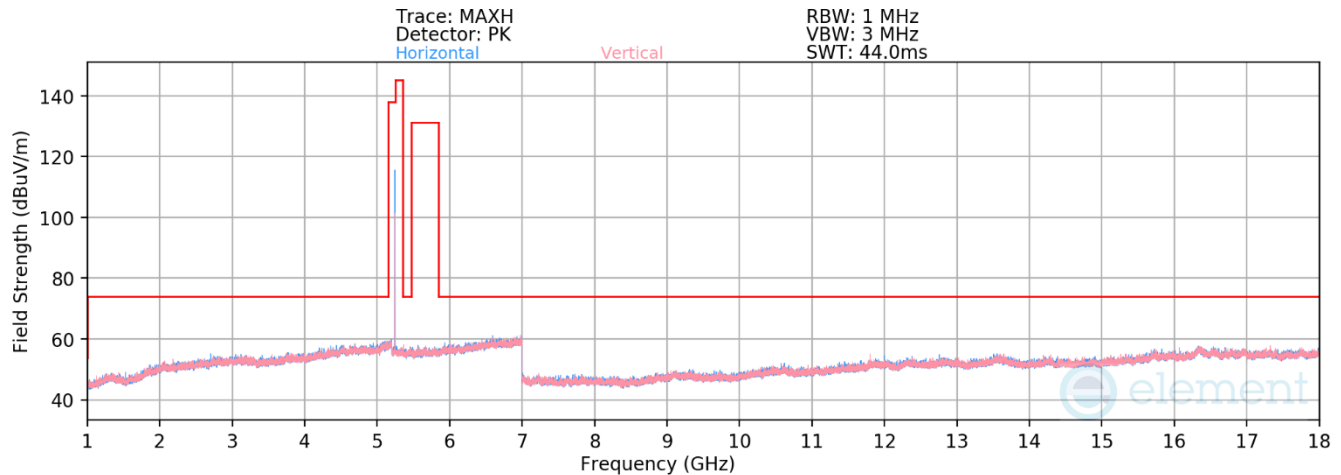
Operating Frequency: 5204MHz

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
10408.00	Peak	H	-	-	-72.21	15.46	50.25	68.20	-17.95
* 15612.00	Average	H	-	-	-84.53	20.13	42.60	53.98	-11.37
* 15612.00	Peak	H	-	-	-73.49	20.13	53.64	73.98	-20.33

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

FCC ID: BCGA2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 98 of 136

V 10.5 12/15/2021



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

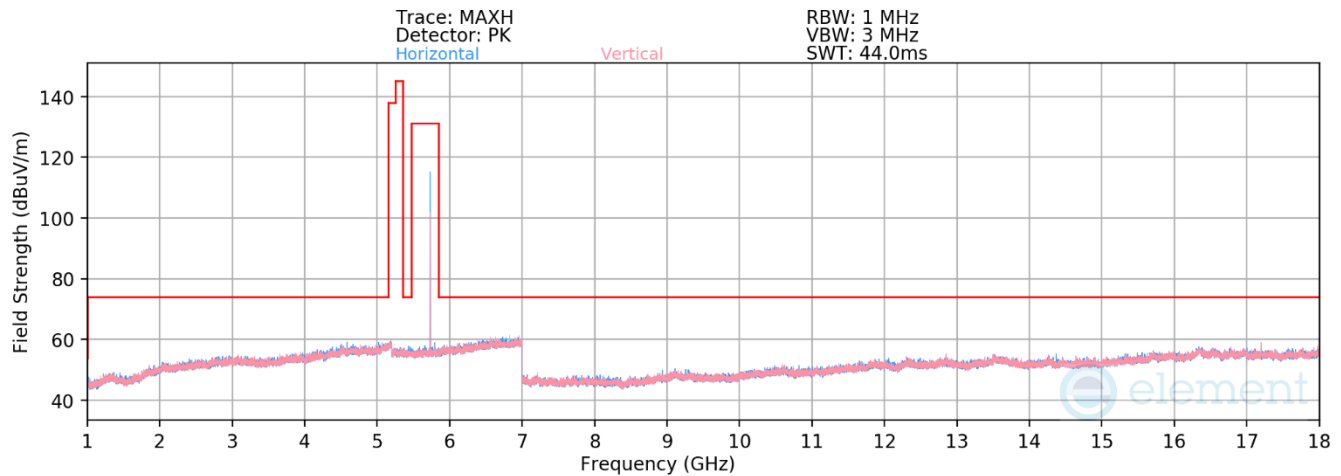
Mode: HDR4
Data Rate: 4Mbps
Distance of Measurements: 3 Meters
Operating Frequency: 5245MHz

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
10490.00	Peak	H	-	-	-71.27	14.98	50.71	68.20	-17.49
* 15735.00	Average	H	-	-	-84.78	21.37	43.59	53.98	-10.39
* 15735.00	Peak	H	-	-	-73.95	21.37	54.42	73.98	-19.56

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

FCC ID: BCGA2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 99 of 136

V 10.5 12/15/2021



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

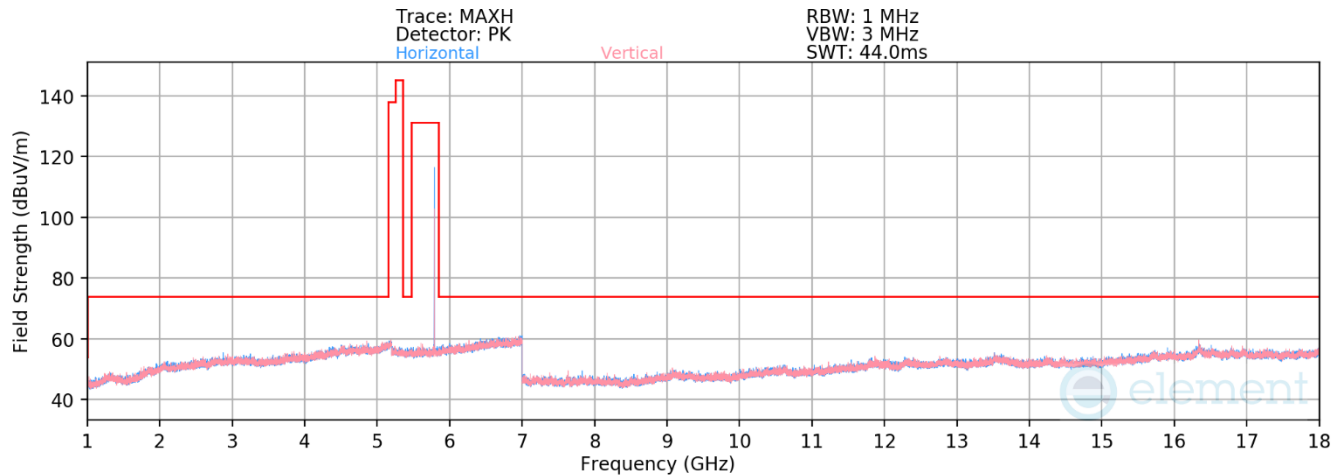
Mode: HDR4
Data Rate: 4Mbps
Distance of Measurements: 3 Meters
Operating Frequency: 5733MHz

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	Peak	H	135	186	-71.93	16.40	51.47	73.98	-22.51
17199.00	Peak	H	262	260	-68.71	21.10	59.39	68.20	-8.81

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

FCC ID: BCGA2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 100 of 136

V 10.5 12/15/2021



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

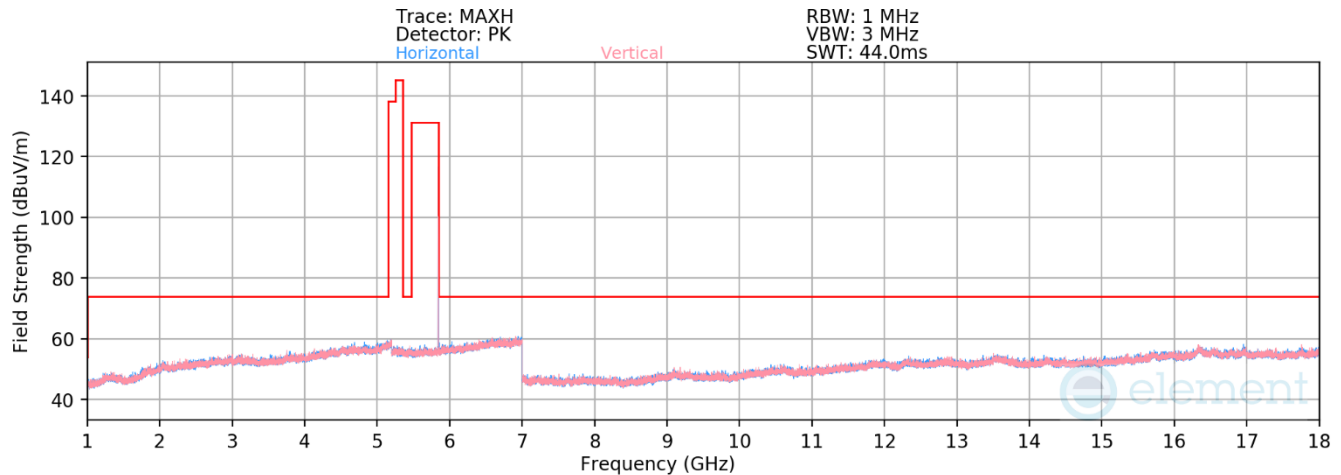
Mode: HDR4
Data Rate: 4Mbps
Distance of Measurements: 3 Meters
Operating Frequency: 5789MHz

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
* 11578.00	Average	H	176	147	-78.71	16.28	44.57	53.98	-9.41
* 11578.00	Peak	H	176	147	-70.43	16.28	52.85	73.98	-21.13
17367.00	Peak	H	270	165	-71.01	21.28	57.27	68.20	-10.93

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

FCC ID: BCGA2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 101 of 136

V 10.5 12/15/2021



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 [dBμV/m]	Limit [dBμV/m]	Margin [dB]
*	11688.00	Average	H	161	191	-77.29	16.89	46.60	53.98	-7.37
*	11688.00	Peak	H	161	191	-70.29	16.89	53.60	73.98	-20.37
	17532.00	Peak	H	-	-	-73.47	21.68	55.21	68.20	-12.99

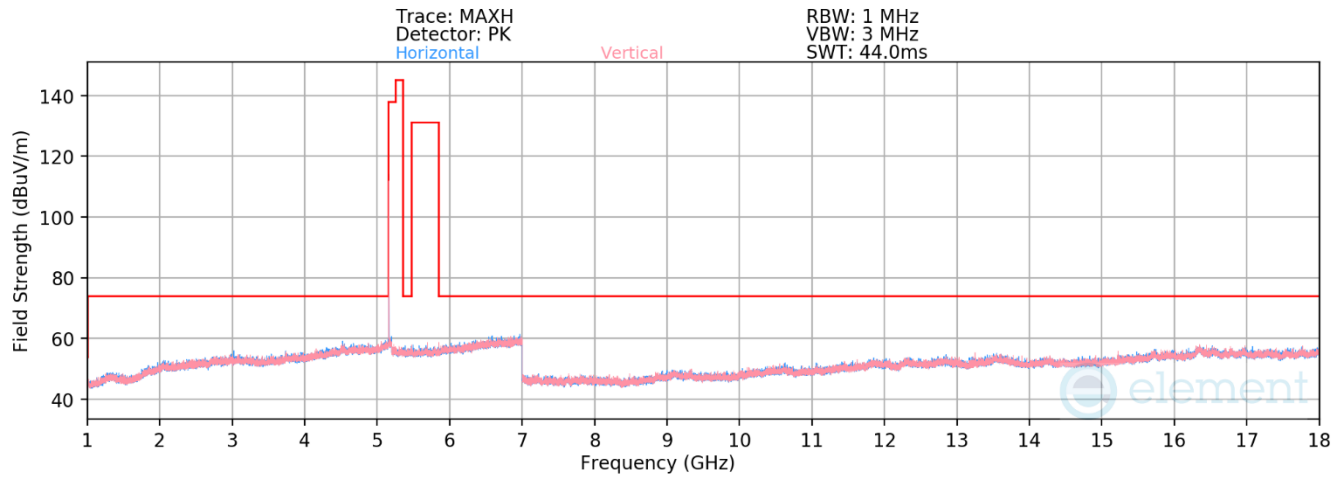
Table 7-21. Radiated Spurious Emissions Measurements Antenna 5b

FCC ID: BCGA2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 102 of 136

V 10.5 12/15/2021

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)

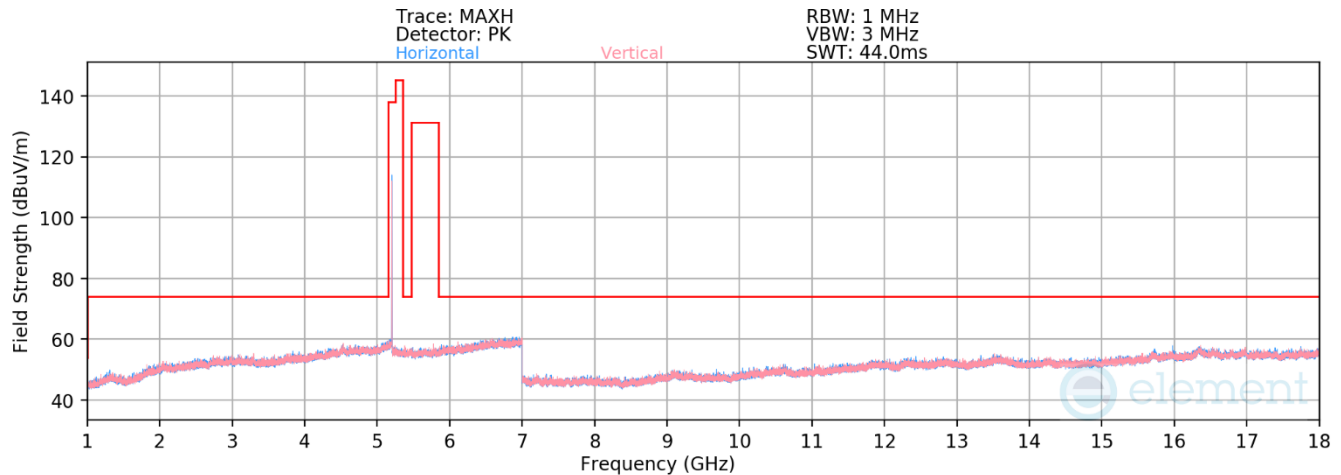
Mode: HDR4
Data Rate: 4Mbps
Distance of Measurements: 3 Meters
Operating Frequency: 5162MHz

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
10324.00	Peak	H	-	-	-72.28	14.80	49.52	68.20	-18.68
* 15486.00	Average	H	-	-	-83.75	20.16	43.41	53.98	-10.57
* 15486.00	Peak	H	-	-	-72.61	20.16	54.55	73.98	-19.43

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

FCC ID: BCGA2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 103 of 136

V 10.5 12/15/2021



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

Mode: HDR4

Data Rate: 4Mbps

Distance of Measurements: 3 Meters

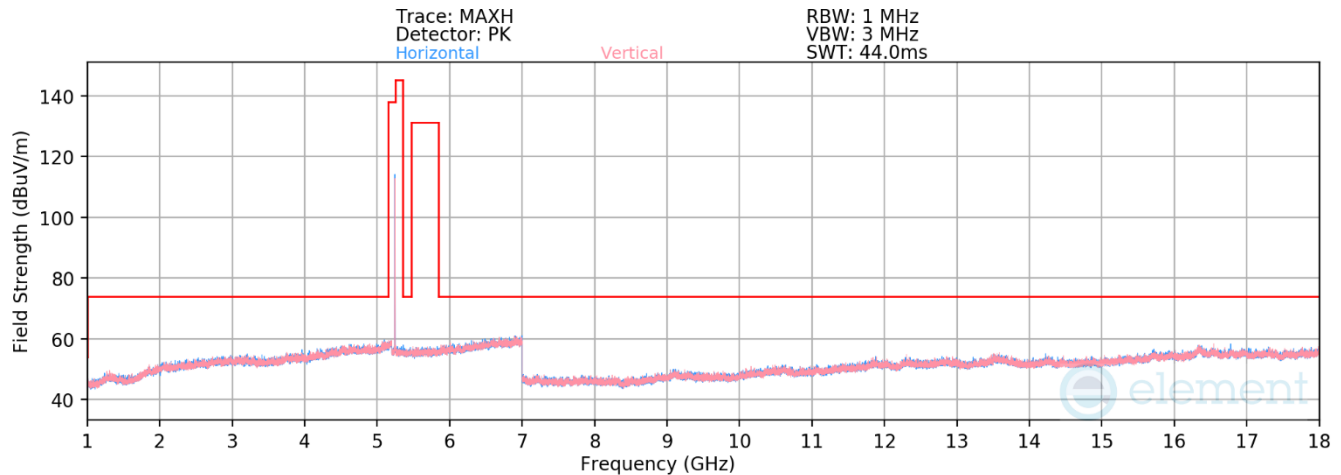
Operating Frequency: 5204MHz

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
10408.00	Peak	H	-	-	-71.71	15.46	50.75	68.20	-17.45
* 15612.00	Average	H	-	-	-84.66	20.13	42.47	53.98	-11.50
* 15612.00	Peak	H	-	-	-72.90	20.13	54.23	73.98	-19.74

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

FCC ID: BCGA2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 104 of 136

V 10.5 12/15/2021



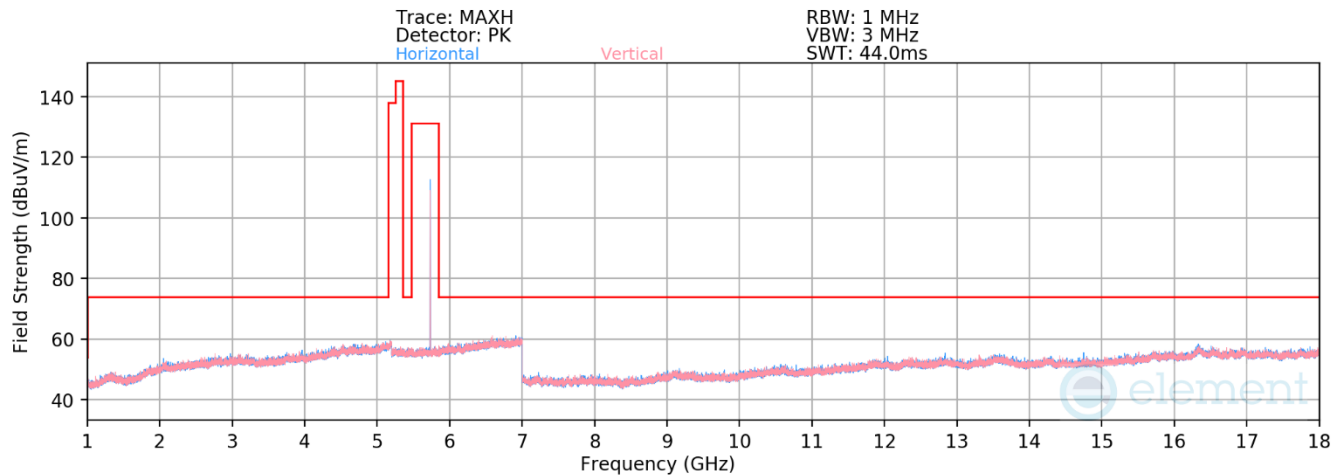
Plot 7-129. Radiated Spurious Emissions 1-18GHz Antenna 4a (HDR4 – 5245MHz)

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 [dBμV/m]	Limit [dBμV/m]	Margin [dB]
10490.00	Peak	H	-	-	-71.37	14.98	50.61	68.20	-17.59
* 15735.00	Average	H	-	-	-84.79	21.37	43.58	53.98	-10.40
* 15735.00	Peak	H	-	-	-73.11	21.37	55.26	73.98	-18.72

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

FCC ID: BCGA2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 105 of 136



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

Mode: HDR4

Data Rate: 4Mbps

Distance of Measurements: 3 Meters

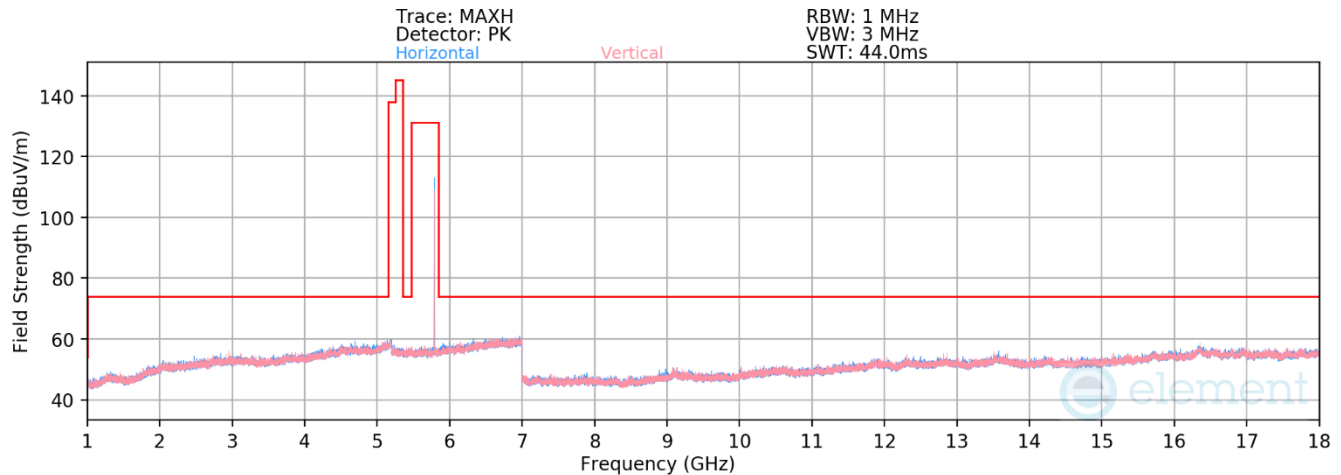
Operating Frequency: 5733MHz

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
11466.00	Peak	H	-	-	-71.87	16.40	51.53	73.98	-22.45
17199.00	Peak	H	-	-	-72.89	21.10	55.21	68.20	-12.99

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

FCC ID: BCGA2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 106 of 136

V 10.5 12/15/2021



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

Mode: HDR4

Data Rate: 4Mbps

Distance of Measurements: 3 Meters

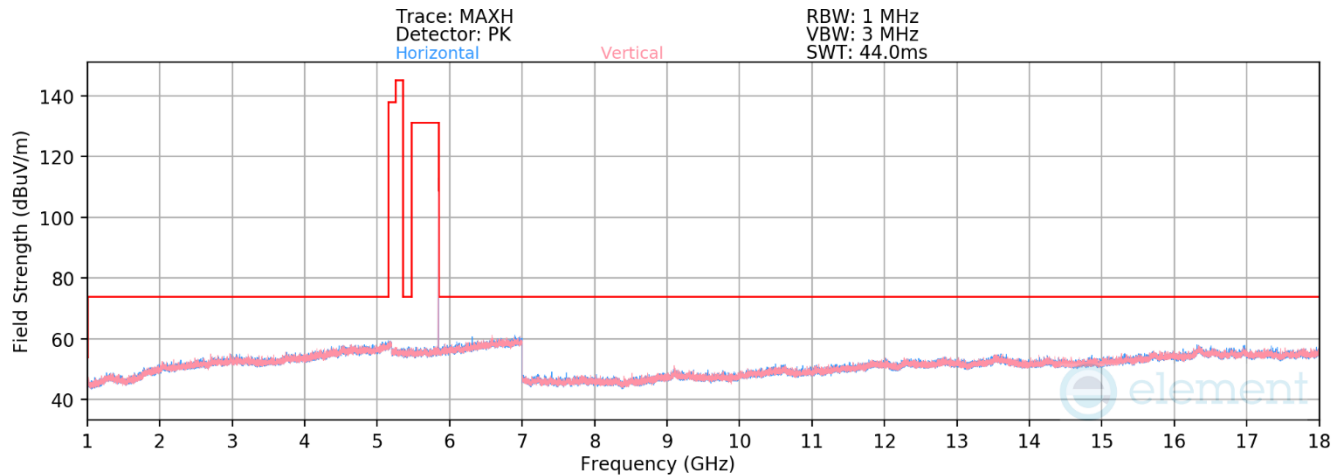
Operating Frequency: 5789MHz

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
* 11578.00	Average	H	-	-	-83.22	16.28	40.06	53.98	-13.92
* 11578.00	Peak	H	-	-	-71.92	16.28	51.36	73.98	-22.62
17367.00	Peak	H	-	-	-72.63	21.28	55.65	68.20	-12.55

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

FCC ID: BCGA2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 107 of 136

V 10.5 12/15/2021



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 [dBuV/m]	Limit [dBuV/m]	Margin [dB]
* 11688.00	Average	H	-	-	-83.27	16.89	40.62	53.98	-13.35
* 11688.00	Peak	H	-	-	-71.65	16.89	52.24	73.98	-21.73
17532.00	Peak	H	-	-	-73.16	21.68	55.52	68.20	-12.68

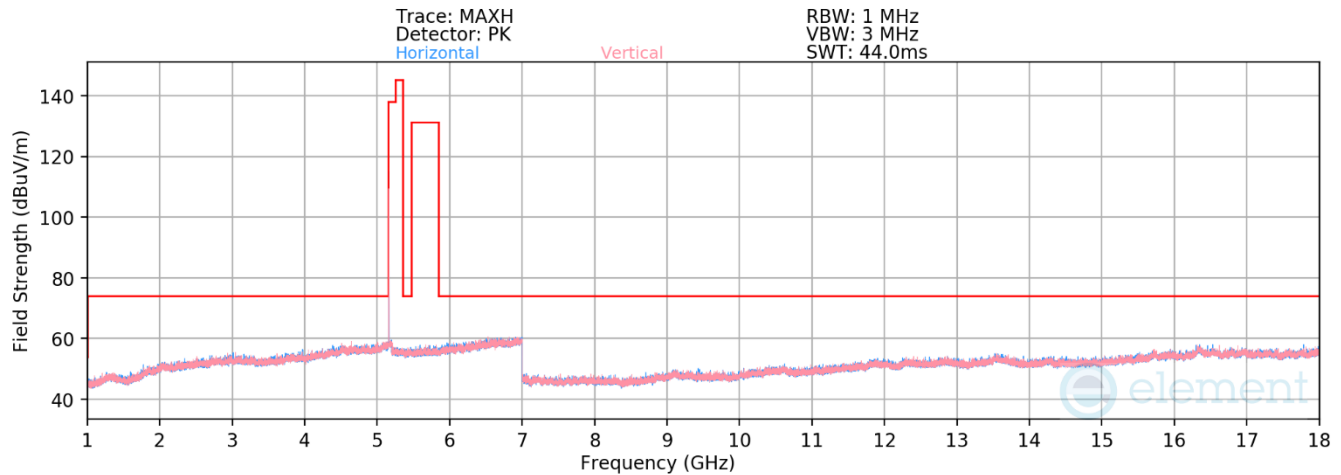
Table 7-27. Radiated Spurious Emissions Measurements Antenna 4a

FCC ID: BCGA2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 108 of 136

V 10.5 12/15/2021

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)

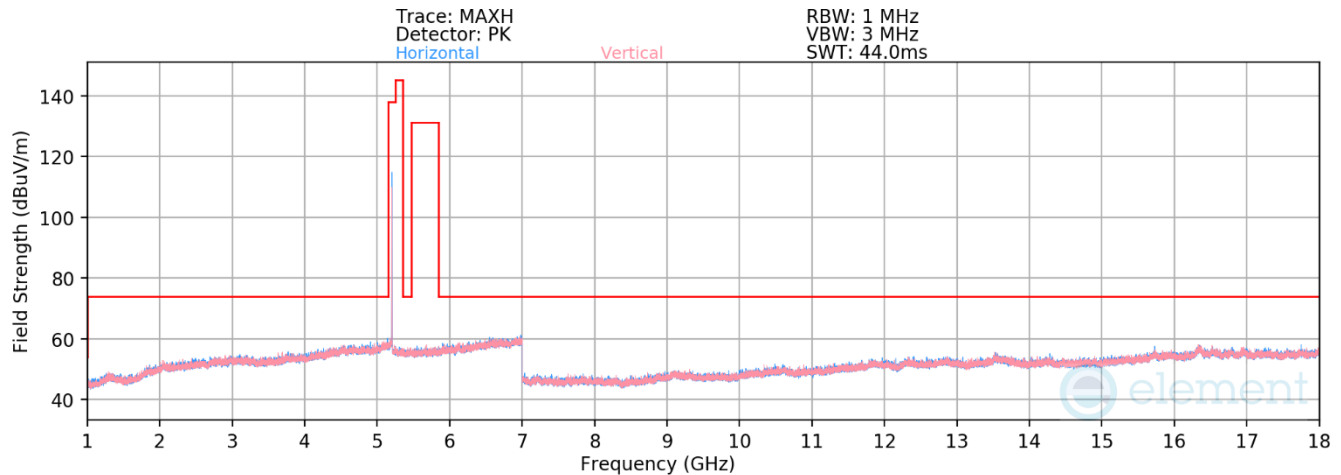
Mode: HDR4
Data Rate: 4Mbps
Distance of Measurements: 3 Meters
Operating Frequency: 5162MHz

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
10324.00	Peak	H	-	-	-71.02	14.80	50.78	68.20	-17.42
* 15486.00	Average	H	-	-	-83.22	20.16	43.94	53.98	-10.04
* 15486.00	Peak	H	-	-	-71.68	20.16	55.48	73.98	-18.50

Table 7-28. Radiated Spurious Emissions Measurements TxBF

FCC ID: BCGA2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 109 of 136

V 10.5 12/15/2021



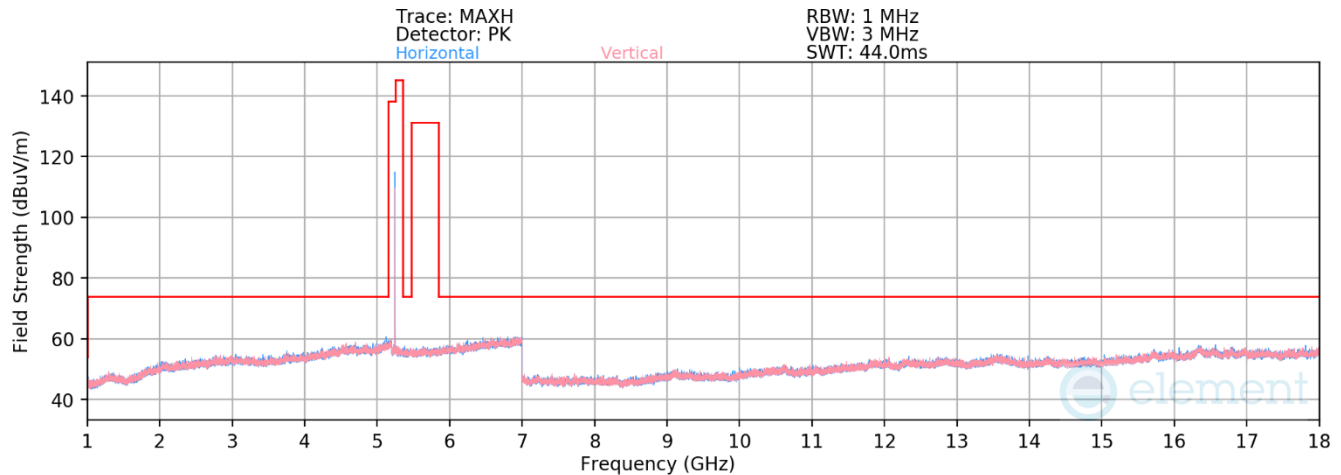
Plot 7-134. Radiated Spurious Emissions 1-18GHz TxBF (HDR4- 5204MHz)

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 [dBuV/m]	Limit [dBuV/m]	Margin [dB]
10408.00	Peak	H	-	-	-70.97	15.46	51.49	68.20	-16.71
* 15612.00	Average	H	-	-	-83.58	20.13	43.55	53.98	-10.42
* 15612.00	Peak	H	-	-	-72.03	20.13	55.10	73.98	-18.87

Table 7-29. Radiated Spurious Emissions Measurements TxBF

FCC ID: BCGA2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 110 of 136



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

Mode: HDR4

Data Rate: 4Mbps

Distance of Measurements: 3 Meters

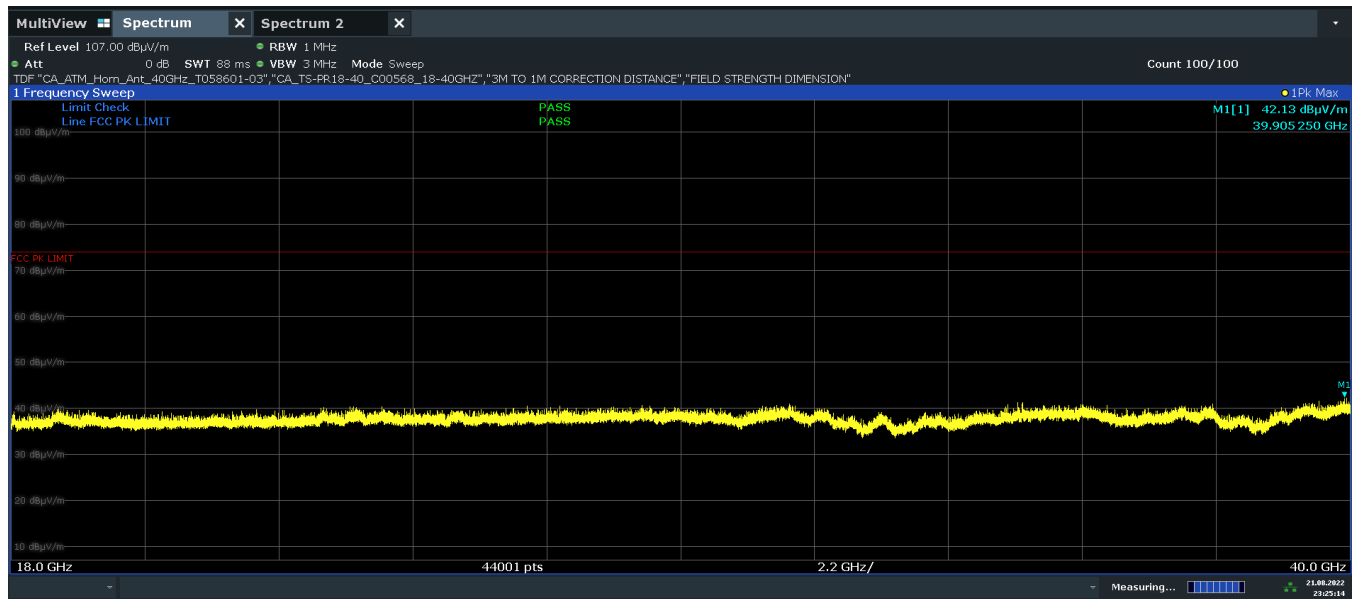
Operating Frequency: 5245MHz

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
10490.00	Peak	H	-	-	-71.51	14.98	50.47	68.20	-17.73
* 15735.00	Average	H	-	-	-83.74	21.37	44.63	53.98	-9.35
* 15735.00	Peak	H	-	-	-71.89	21.37	56.48	73.98	-17.50

Table 7-30. Radiated Spurious Emissions Measurements TxBF

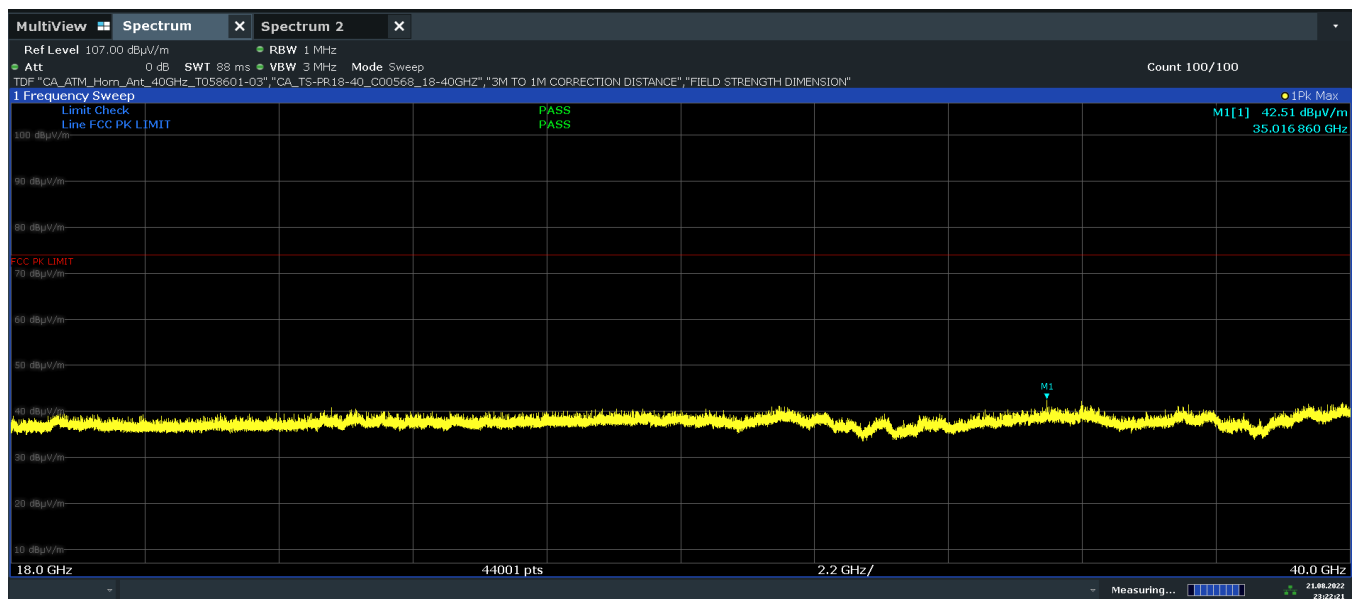
FCC ID: BCGA2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 111 of 136

V 10.5 12/15/2021



23:25:14 21.00.2022

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



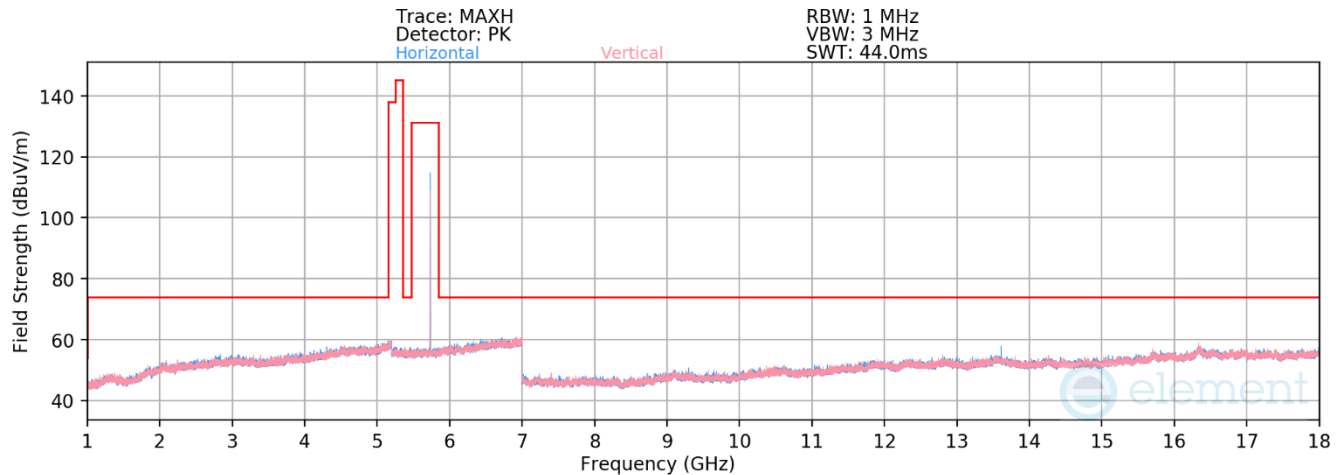
23:22:21 21.00.2022

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

FCC ID: BCGA2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 112 of 136

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

Mode: HDR4

Data Rate: 4Mbps

Distance of Measurements: 3 Meters

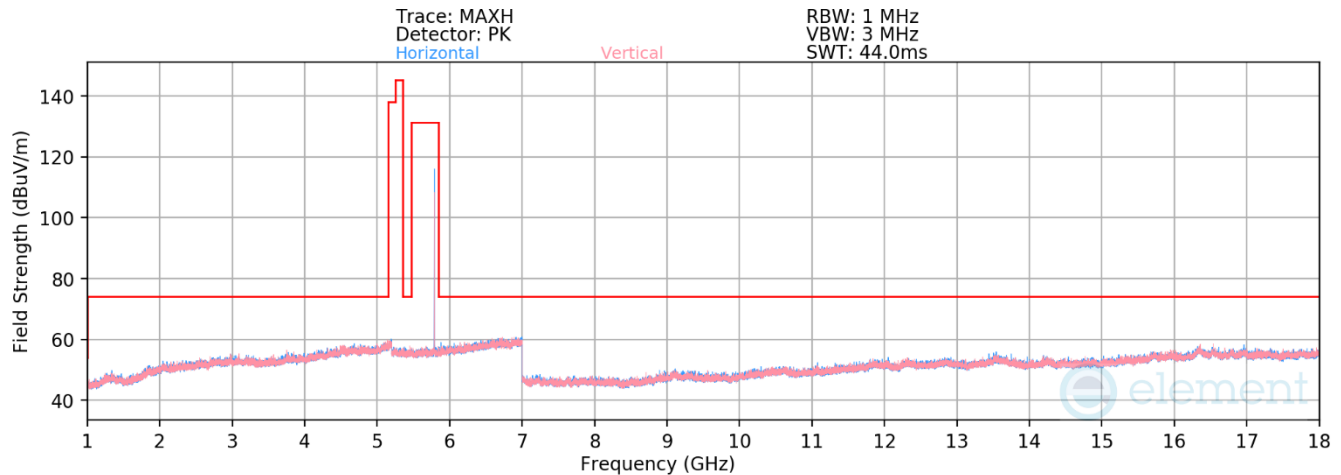
Operating Frequency: 5733MHz

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
11466.00	Peak	H	-	-	-71.16	16.40	52.24	68.20	-15.96
17199.00	Peak	H	-	-	-71.21	21.10	56.89	68.20	-11.31

Table 7-31. Radiated Spurious Emissions Measurements TxBF

FCC ID: BCGA2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 113 of 136

V 10.5 12/15/2021



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

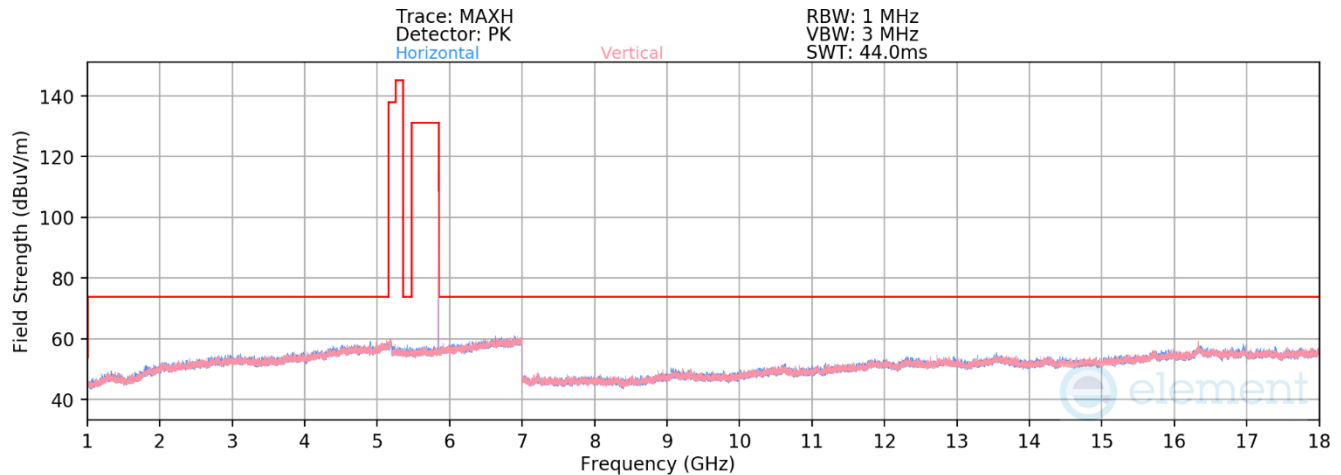
Mode: HDR4
Data Rate: 4Mbps
Distance of Measurements: 3 Meters
Operating Frequency: 5789MHz

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
* 11578.00	Average	H	-	-	-82.33	16.28	40.95	53.98	-13.03
* 11578.00	Peak	H	-	-	-71.03	16.28	52.25	73.98	-21.73
17367.00	Peak	H	-	-	-71.38	21.28	56.90	68.20	-11.30

Table 7-32. Radiated Spurious Emissions Measurements TxBF

FCC ID: BCGA2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 114 of 136

V 10.5 12/15/2021



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

Mode: HDR4

Data Rate: 4Mbps

Distance of Measurements: 3 Meters

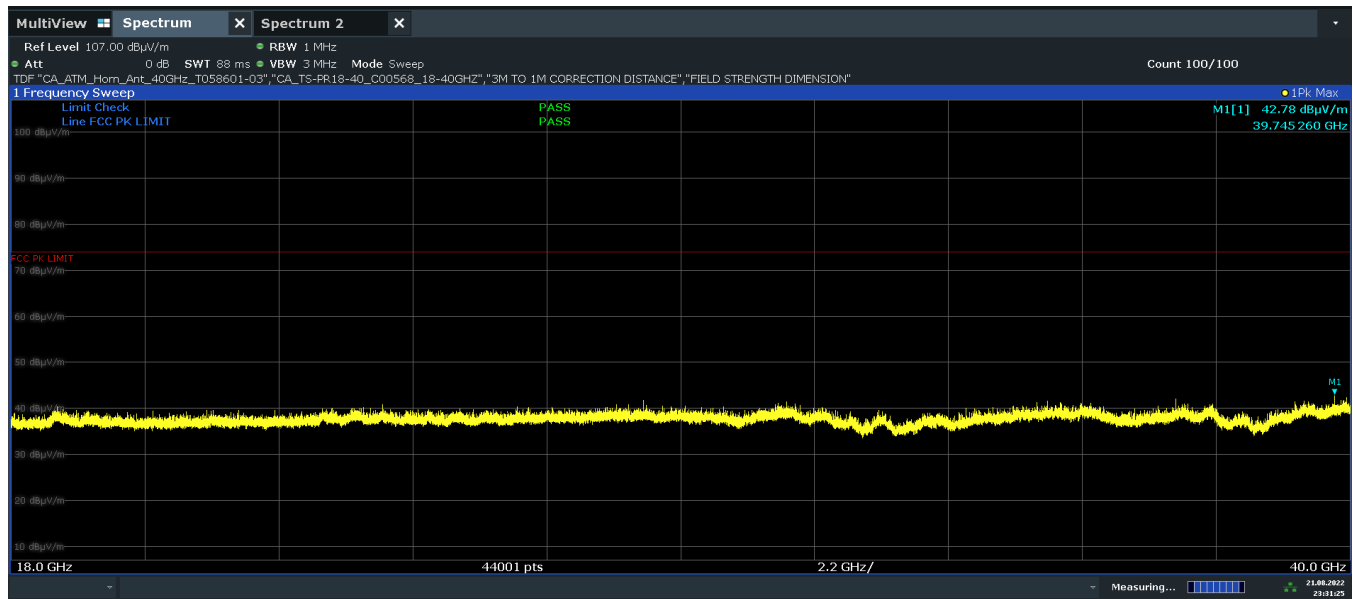
Operating Frequency: 5844MHz

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
* 11688.00	Average	H	-	-	-82.28	16.89	41.61	53.98	-12.36
* 11688.00	Peak	H	-	-	-71.06	16.89	52.83	73.98	-21.14
17532.00	Peak	H	-	-	-71.63	21.68	57.05	68.20	-11.15

Table 7-33. Radiated Spurious Emissions Measurements TxBF

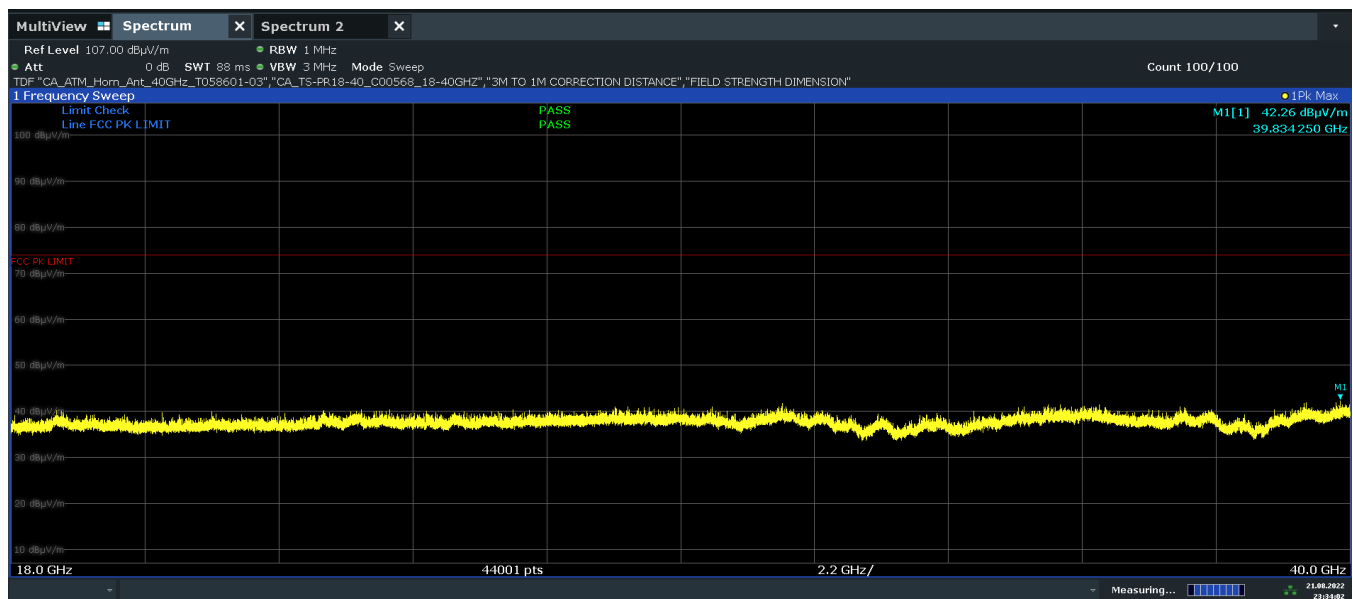
FCC ID: BCGA2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 115 of 136

V 10.5 12/15/2021



23:31:25 21.00.2022

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



23:34:03 21.00.2022

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

FCC ID: BCGA2435	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 116 of 136

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.

7.6.4 Radiated Band Edge Measurements

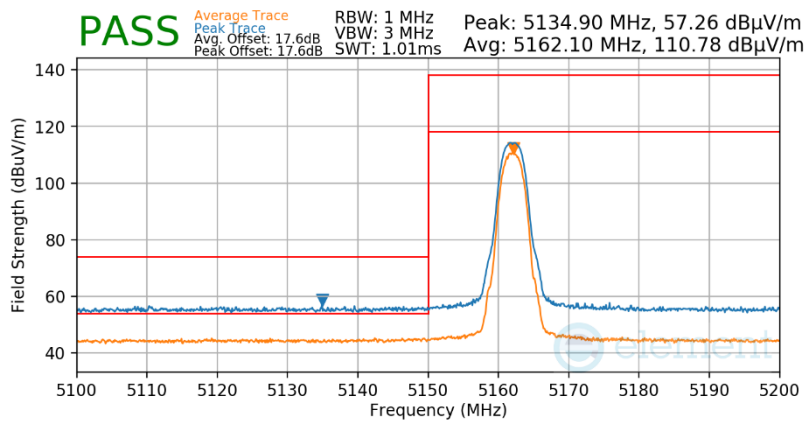
§15.407(b.1) §15.205 §15.209

Antenna 5b

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

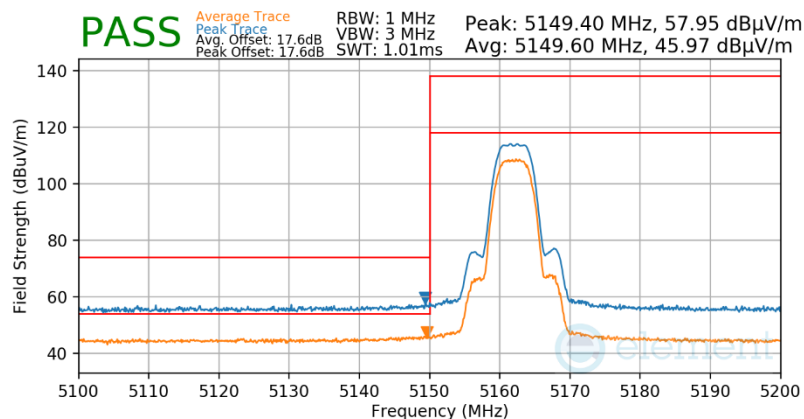
$$\text{Offset (dB)} = (\text{Antenna Factor} + \text{Cable Loss} + \text{Attenuator}) - \text{Preamplifier Gain}$$

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

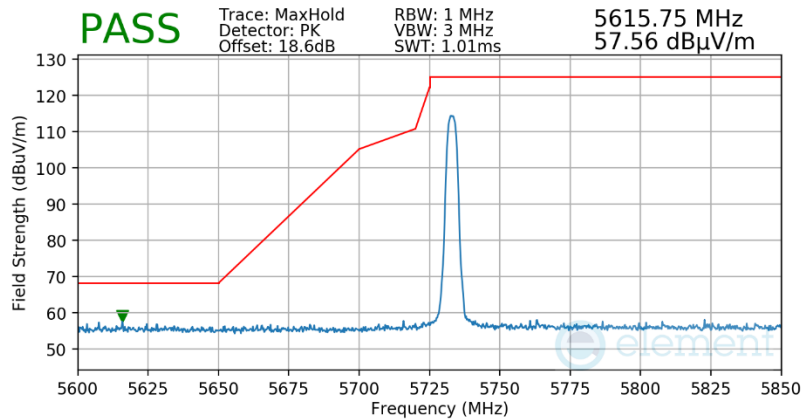


Plot 7-144. Radiated Lower Band Edge Measurement

FCC ID: BCGA2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 117 of 136

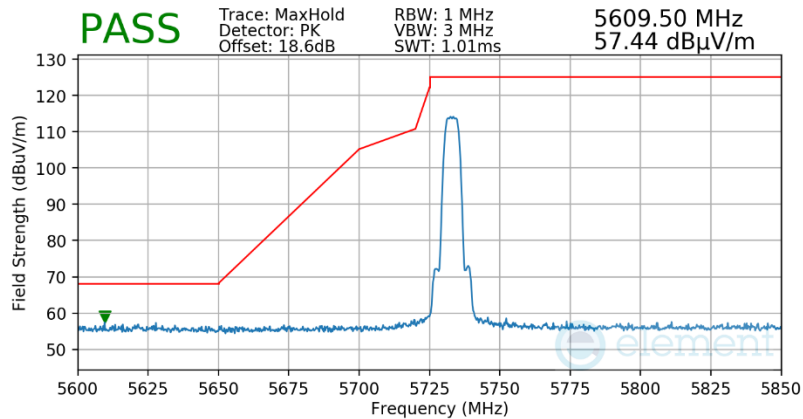
V 10.5 12/15/2021

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



Plot 7-145. Radiated Lower Band Edge Measurement

Mode: HDR8
 Power Scheme: ePA
 Measurement Distance: 3 Meters
 Operating Frequency: 5733MHz

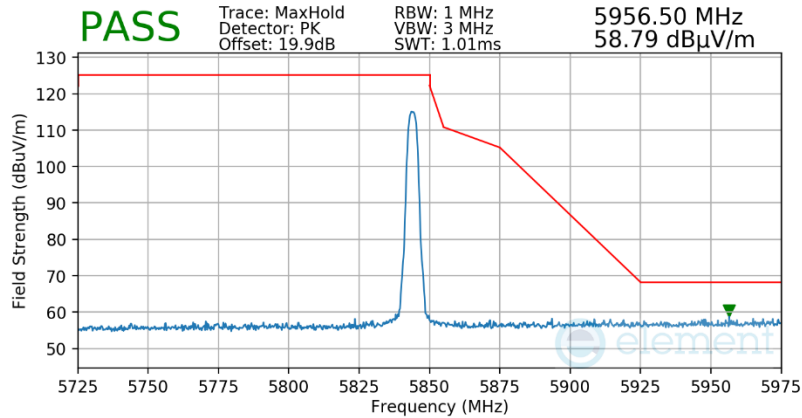


Plot 7-146. Radiated Lower Band Edge Measurement

FCC ID: BCGA2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 118 of 136

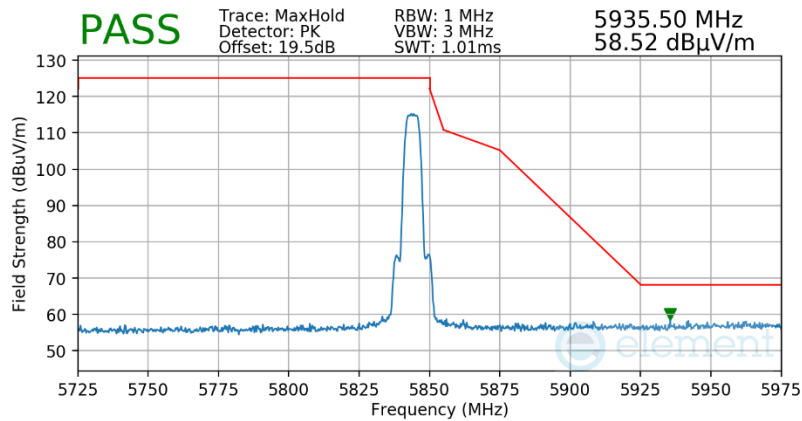
V 10.5 12/15/2021

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: BCGA2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 119 of 136

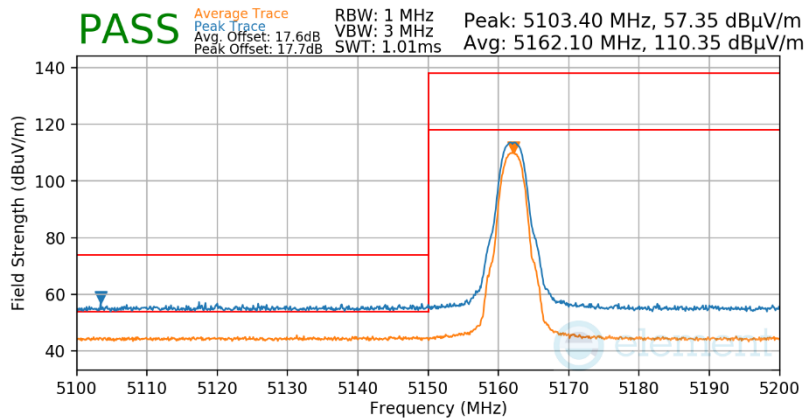
V 10.5 12/15/2021

Antenna 4a

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

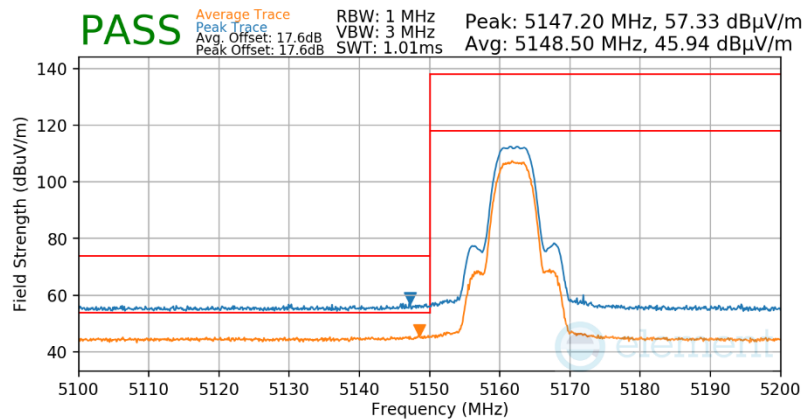
$$\text{Offset (dB)} = (\text{Antenna Factor} + \text{Cable Loss} + \text{Attenuator}) - \text{Preamplifier Gain}$$

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: BCGA2435		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2205090025-17.BCG	Test Dates: 05/30/2022 - 9/13/2022	EUT Type: Tablet Device	Page 120 of 136

V 10.5 12/15/2021