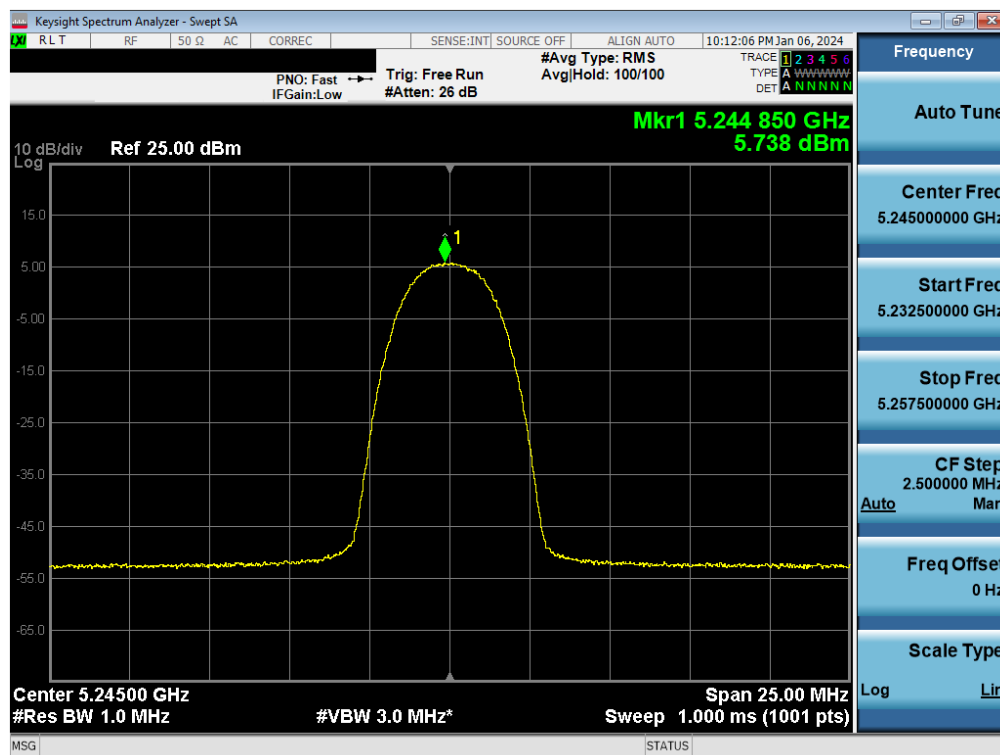


Plot 7-119. FCC PSD TxBF Antenna 3c (HDR4, ePA- 5245MHz)

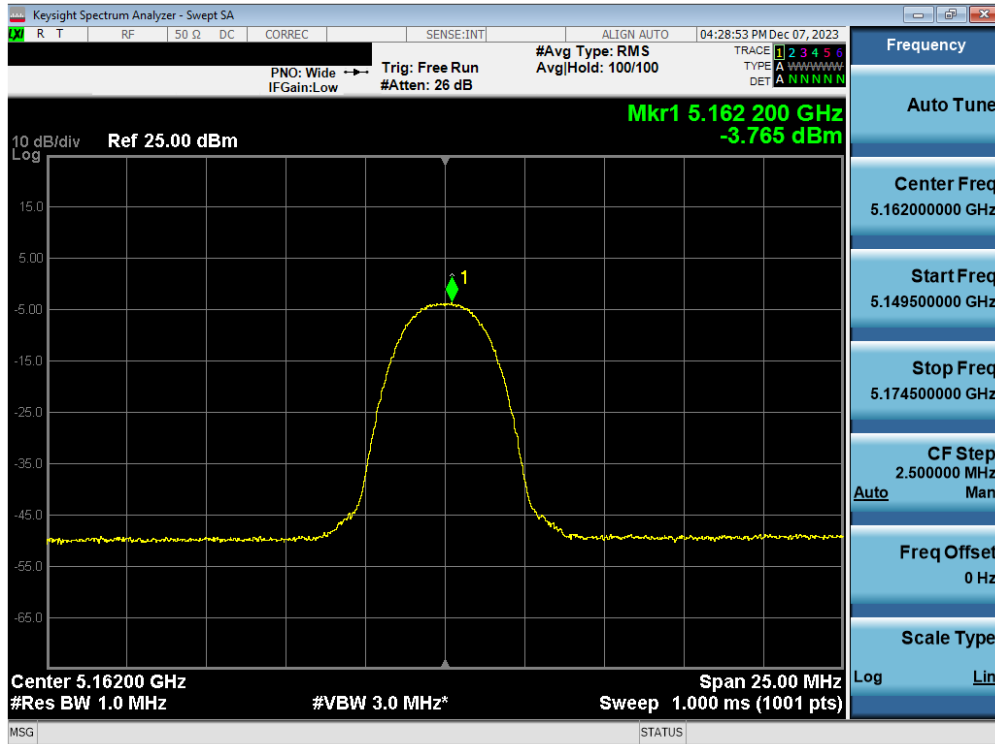


Plot 7-120. FCC PSD TxBF Antenna 3a (HDR4, ePA- 5245MHz)

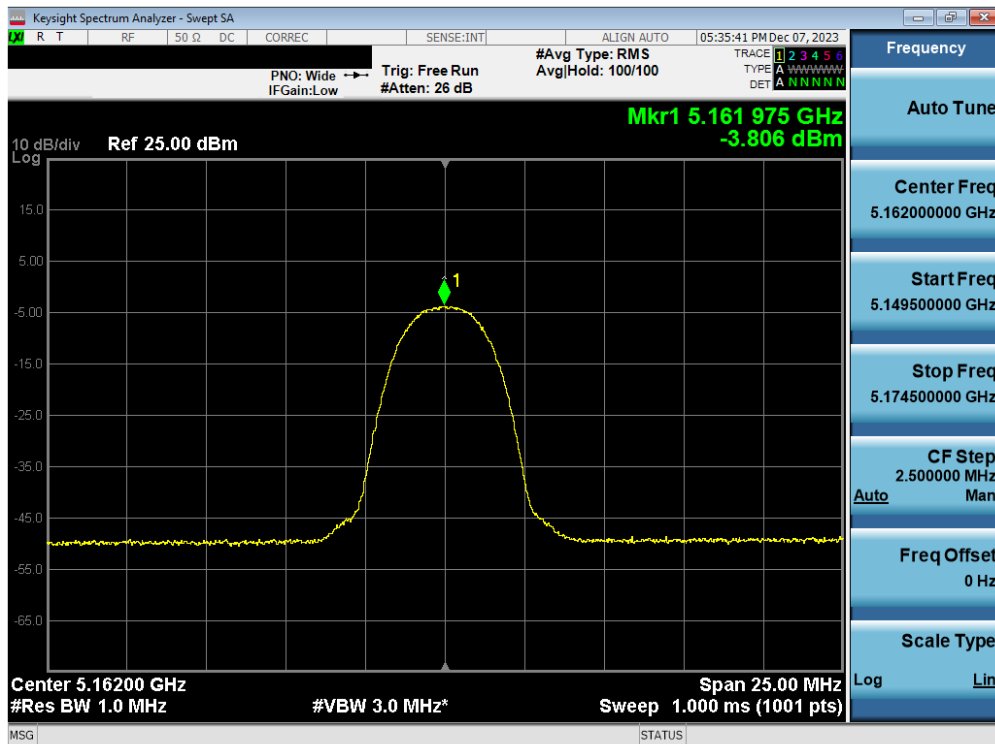
FCC ID: BCGA2903 IC: 579C-A2903	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 100 of 176

V 10.6 9/14/2023

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 Materials Technology. 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 7-121. FCC/ISED PSD TxBF Antenna 3c (HDR4, iPA – 5162MHz)

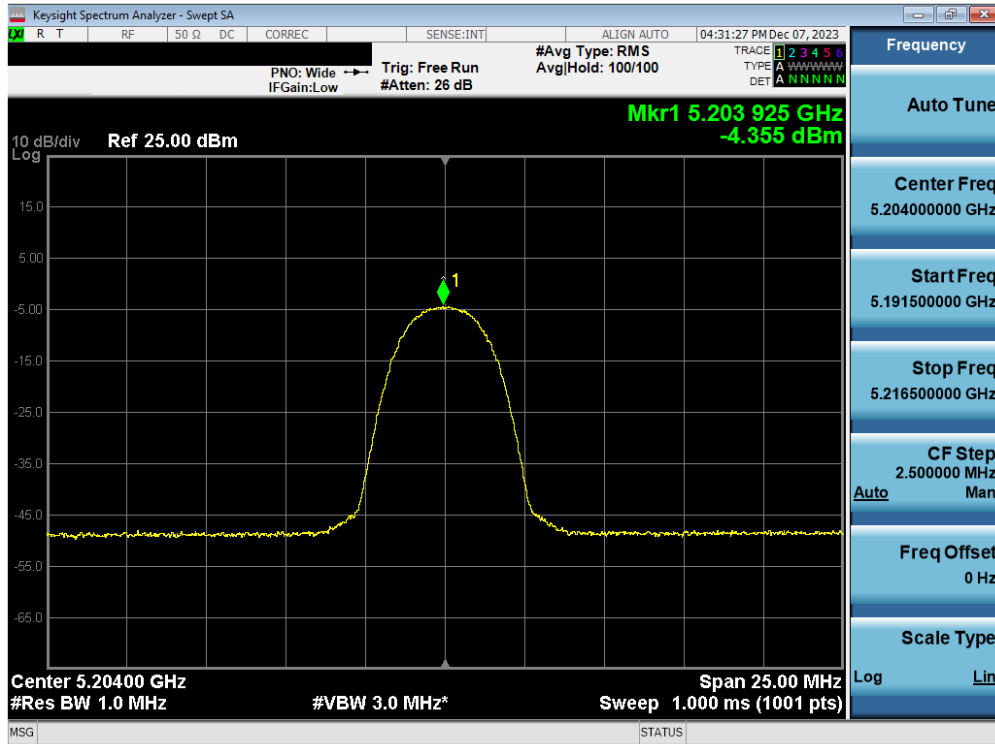


Plot 7-122. FCC/ISED PSD TxBF Antenna 3a (HDR4, iPA – 5162MHz)

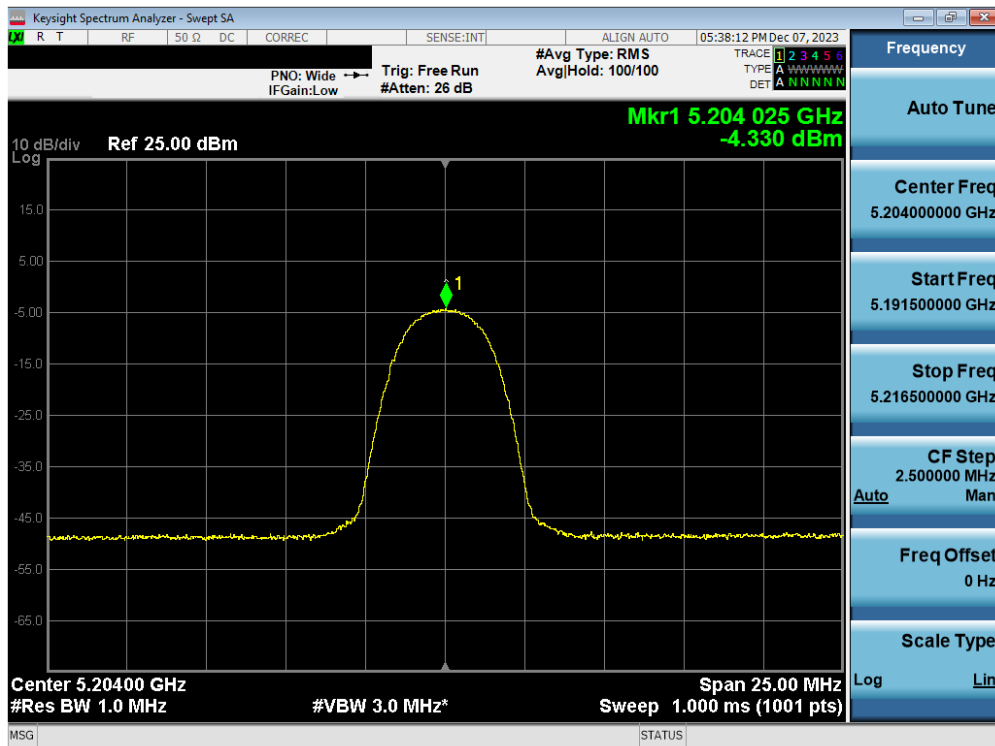
FCC ID: BCGA2903 IC: 579C-A2903	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 101 of 176

V 10.6 9/14/2023

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 Materials Technology. 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.

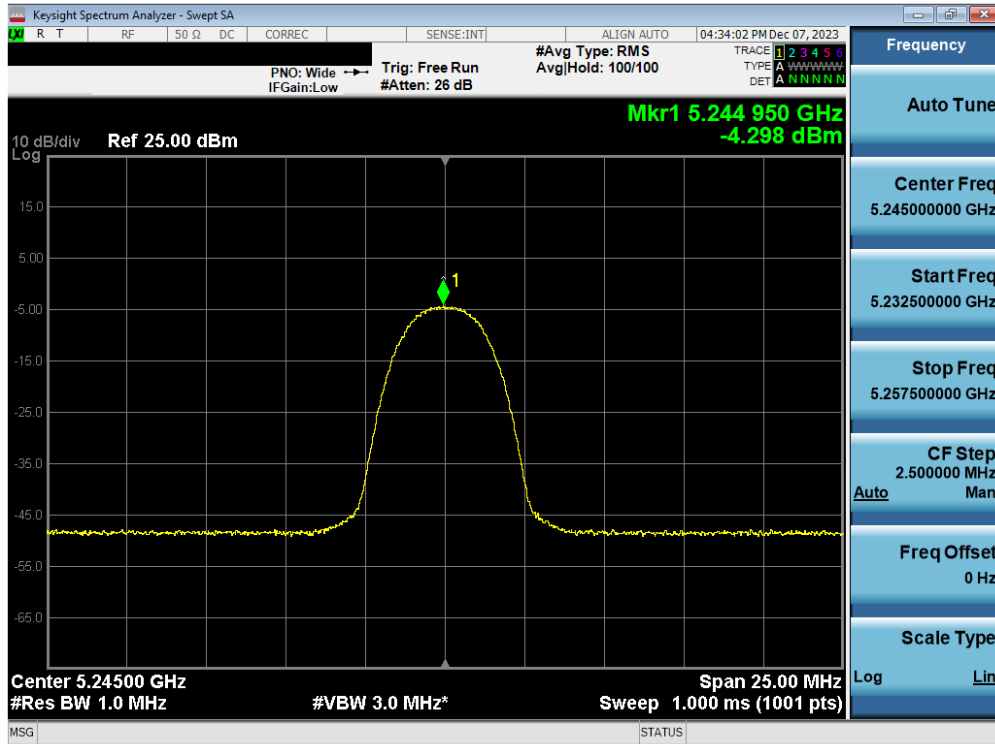


Plot 7-123. FCC/ISED PSD TxBF Antenna 3c (HDR4, iPA – 5204MHz)

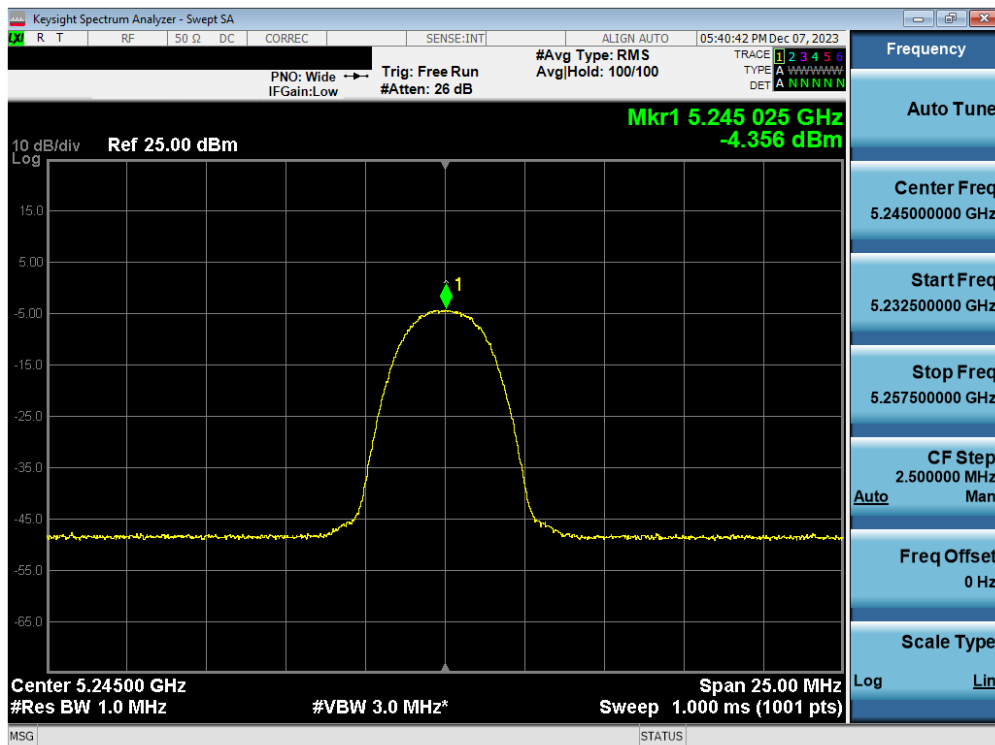


Plot 7-124. FCC/ISED PSD TxBF Antenna 3a (HDR4, iPA – 5204MHz)

FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 102 of 176

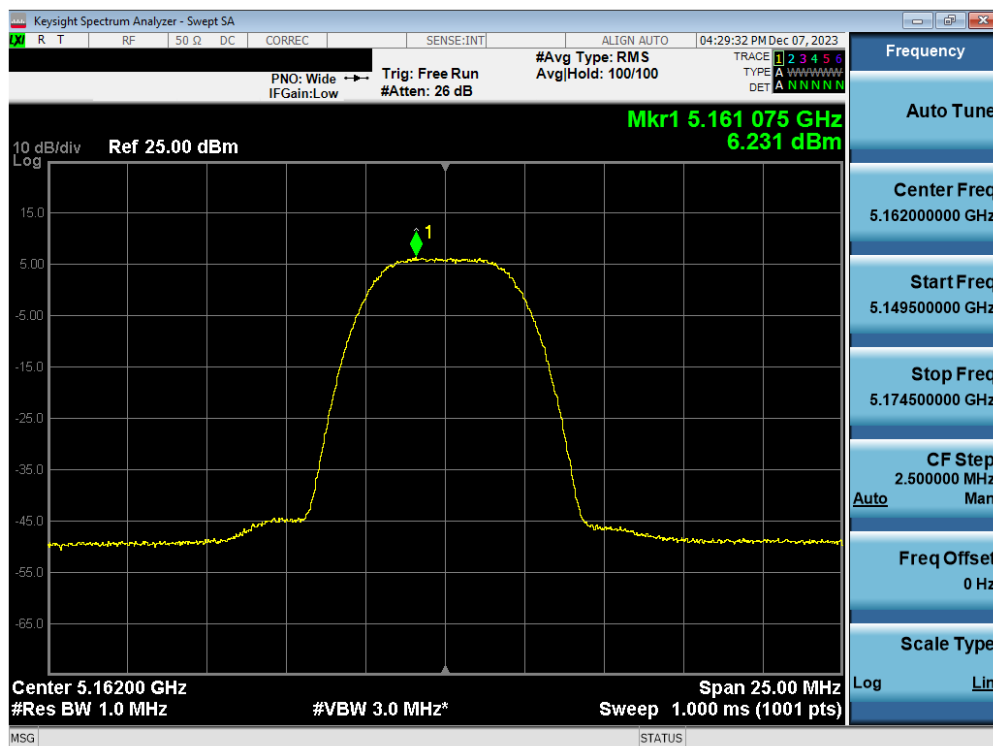


Plot 7-125. FCC/ISED PSD TxBF Antenna 3c (HDR4, iPA- 5245MHz)

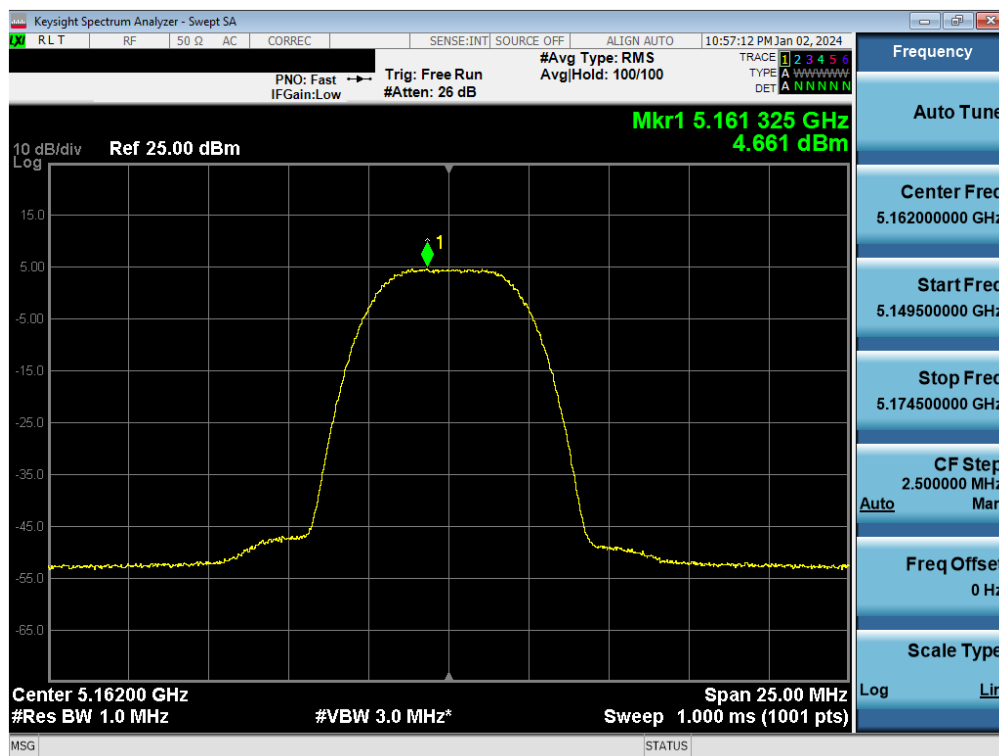


Plot 7-126. FCC/ISED PSD TxBF Antenna 3a (HDR4, iPA- 5245MHz)

FCC ID: BCGA2903 IC: 579C-A2903	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 103 of 176



Plot 7-127. FCC PSD TxBF Antenna 3c (HDR8, ePA – 5162MHz)

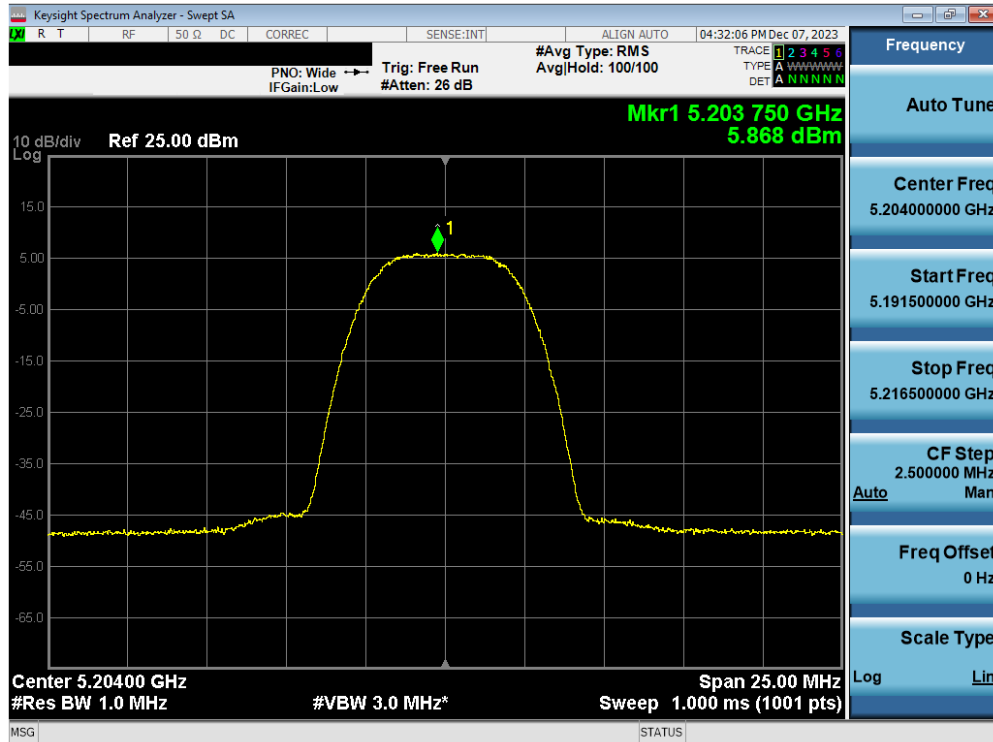


Plot 7-128. FCC PSD TxBF Antenna 3a (HDR8, ePA – 5162MHz)

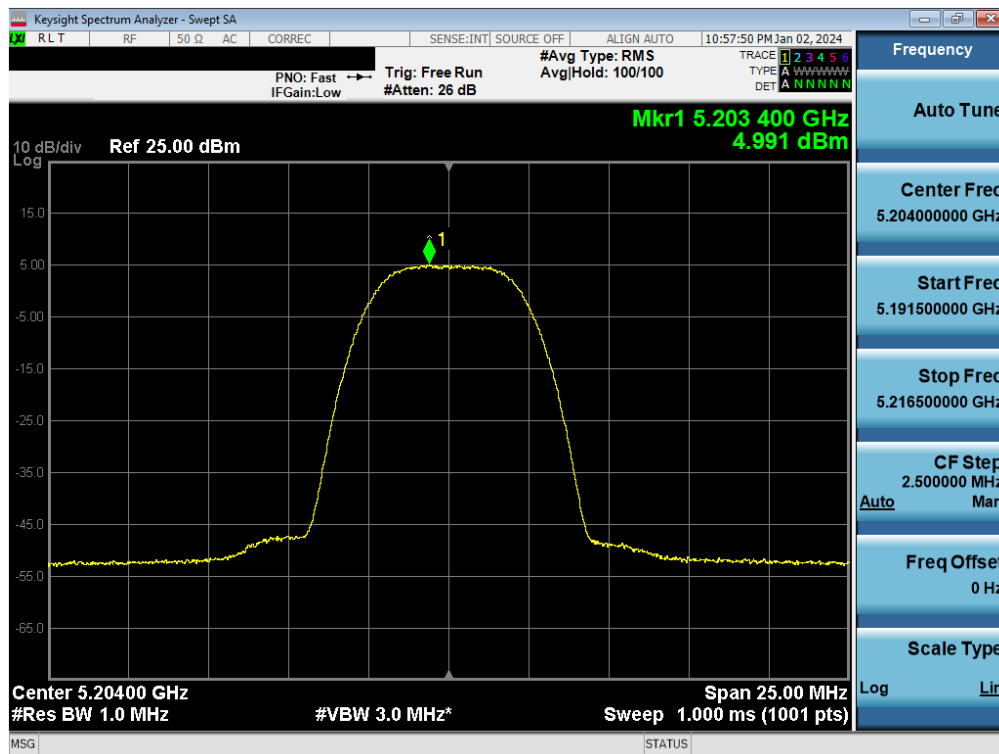
FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 104 of 176

V 10.6 9/14/2023

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 Materials Technology. 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.

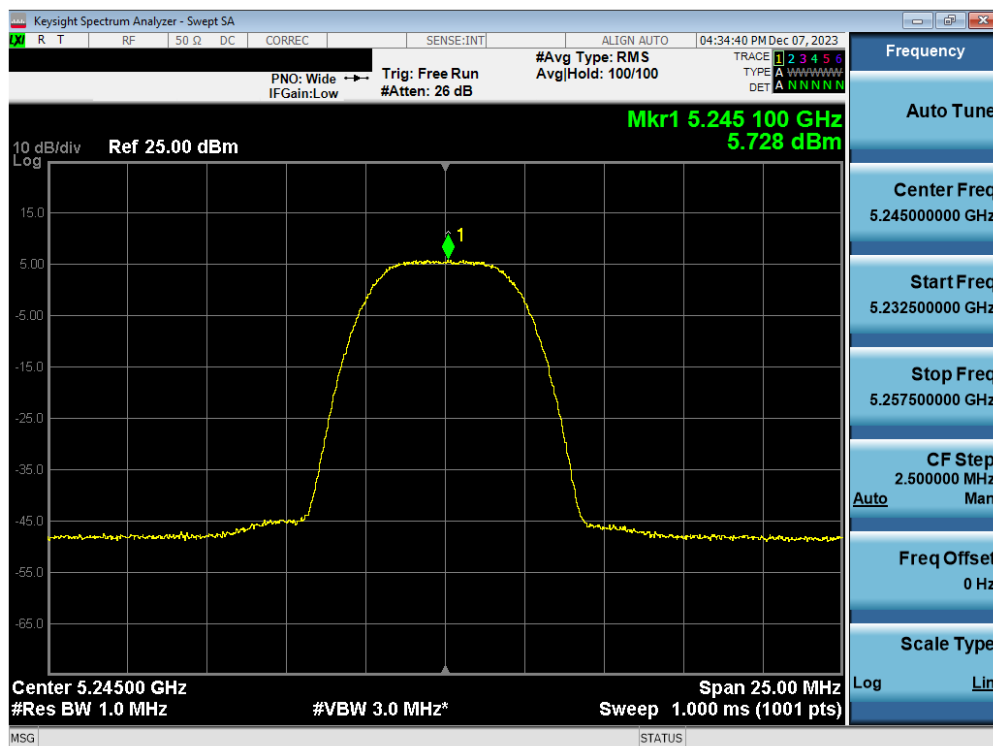


Plot 7-129. FCC PSD TxBF Antenna 3c (HDR8, ePA – 5204MHz)

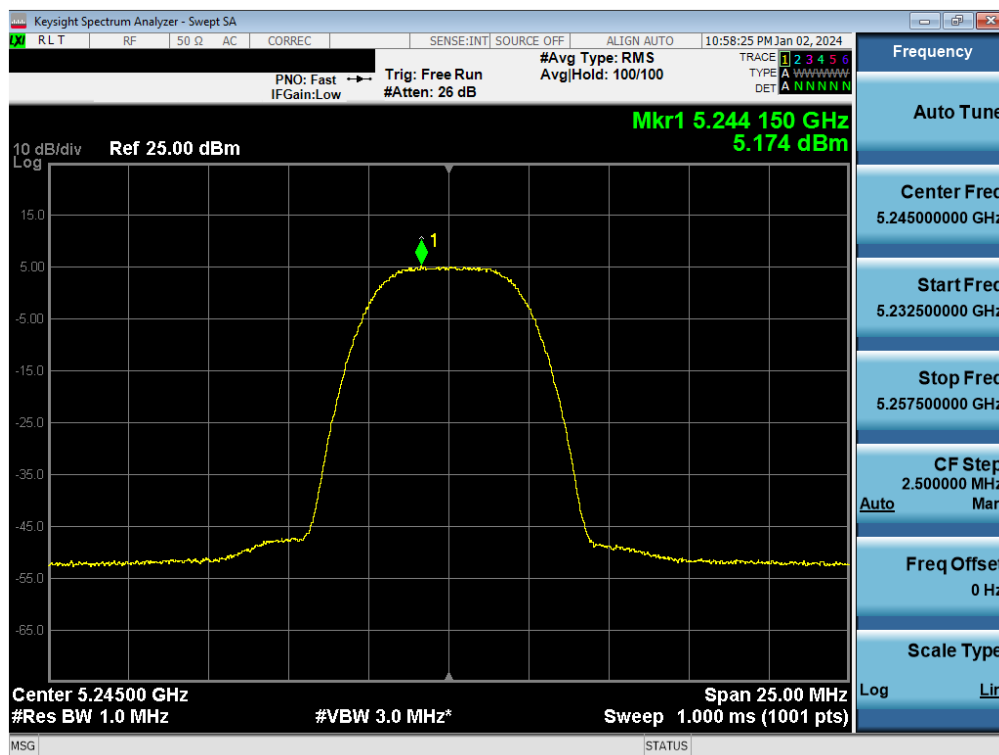


Plot 7-130. FCC PSD TxBF Antenna 3a (HDR8, ePA – 5204MHz)

FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 105 of 176



Plot 7-131. FCC PSD TxBF Antenna 3c (HDR8, ePA- 5245MHz)

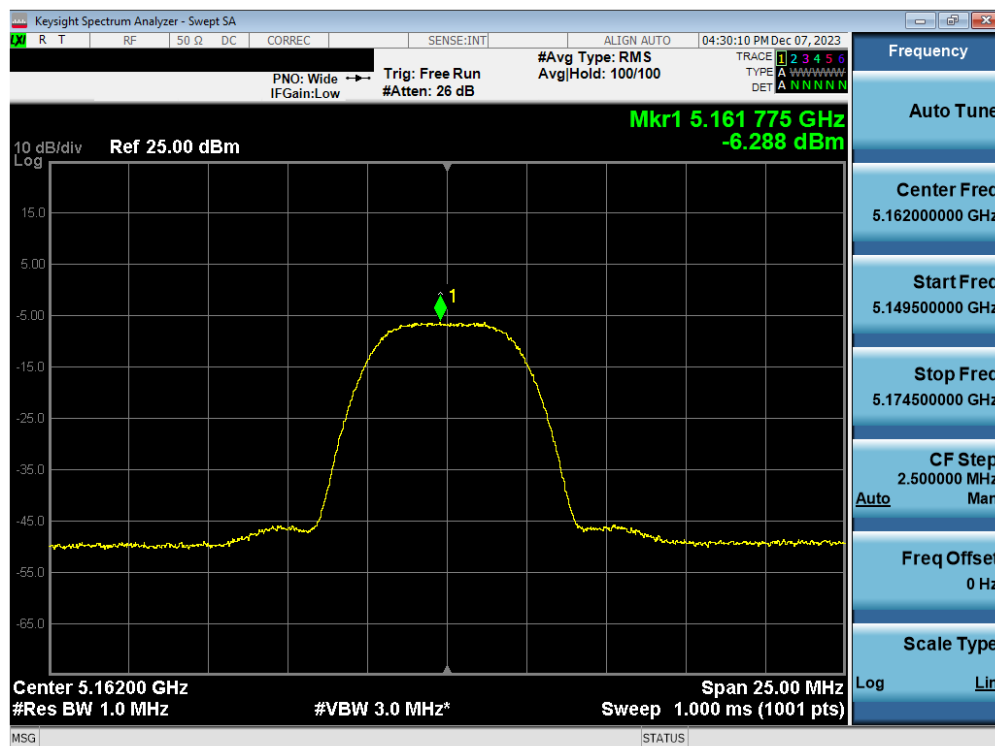


Plot 7-132. FCC PSD TxBF Antenna 3a (HDR8, ePA- 5245MHz)

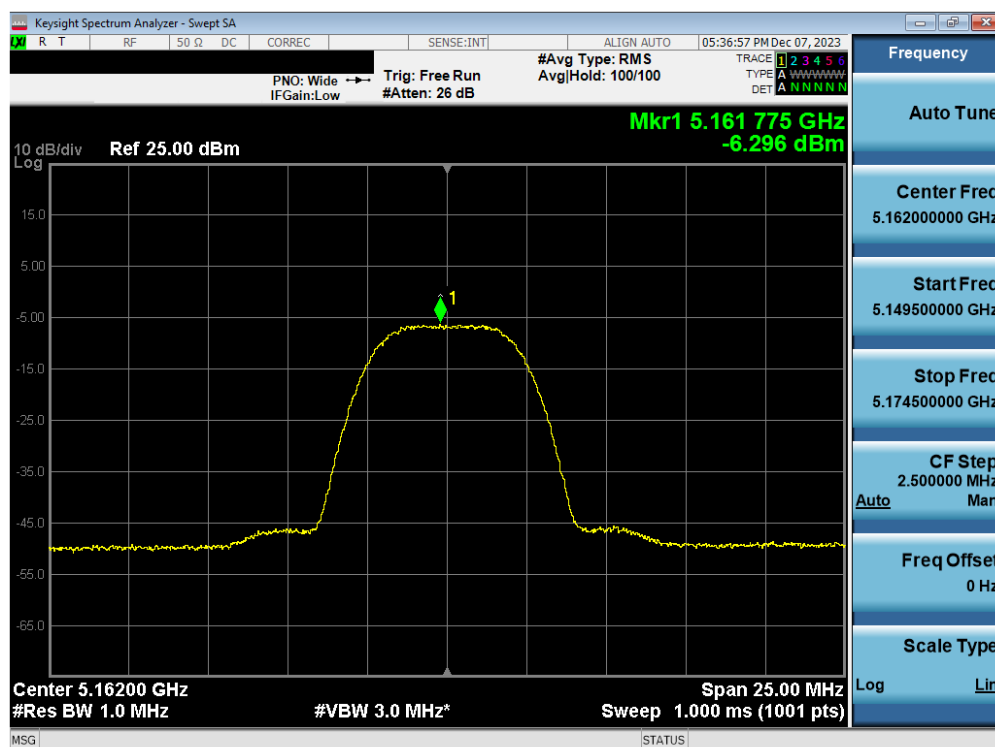
FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 106 of 176

V 10.6 9/14/2023

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 Materials Technology. 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 7-133. FCC/ISED PSD TxBF Antenna 3c (HDR8, iPA – 5162MHz)

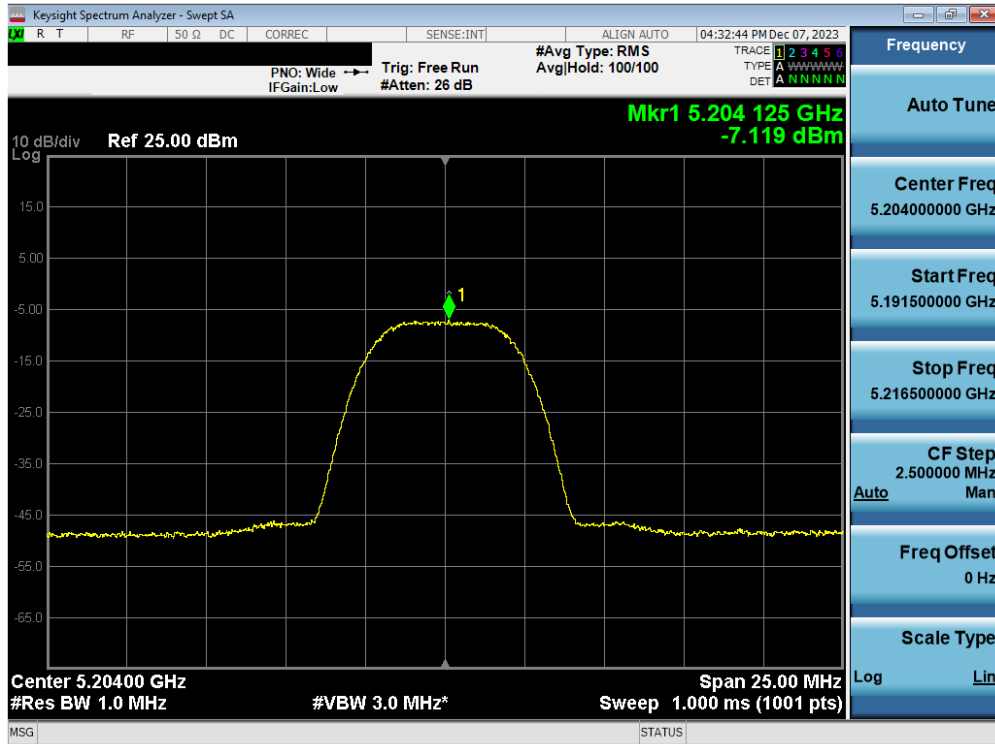


Plot 7-134. FCC/ISED PSD TxBF Antenna 3a (HDR8, iPA – 5162MHz)

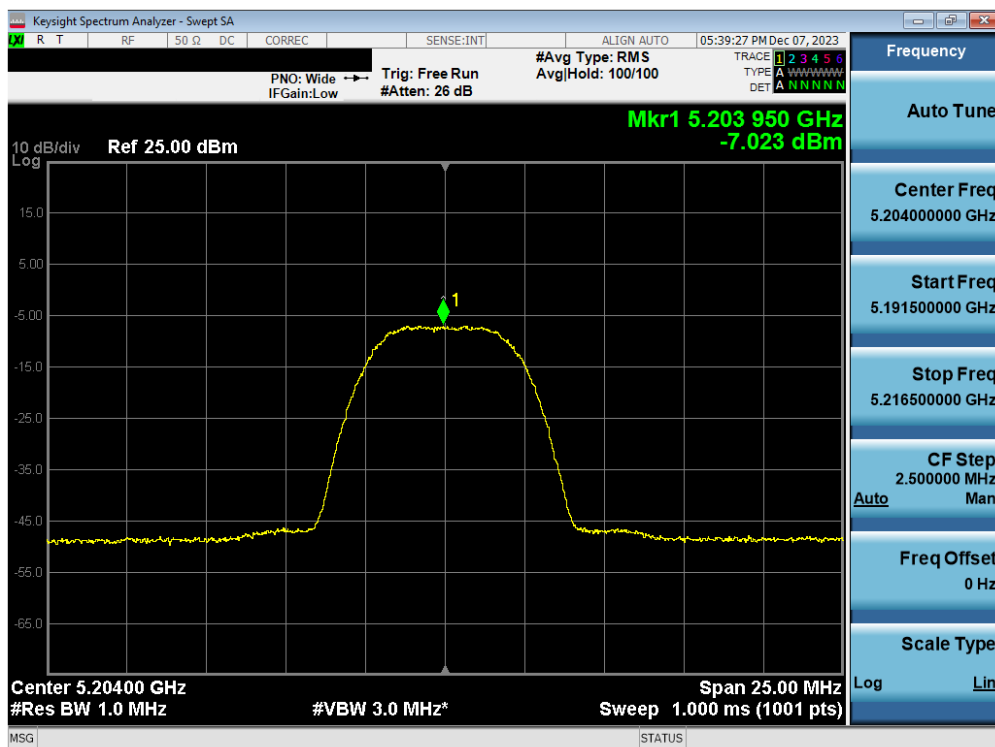
FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 107 of 176

V 10.6 9/14/2023

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 Materials Technology. 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.

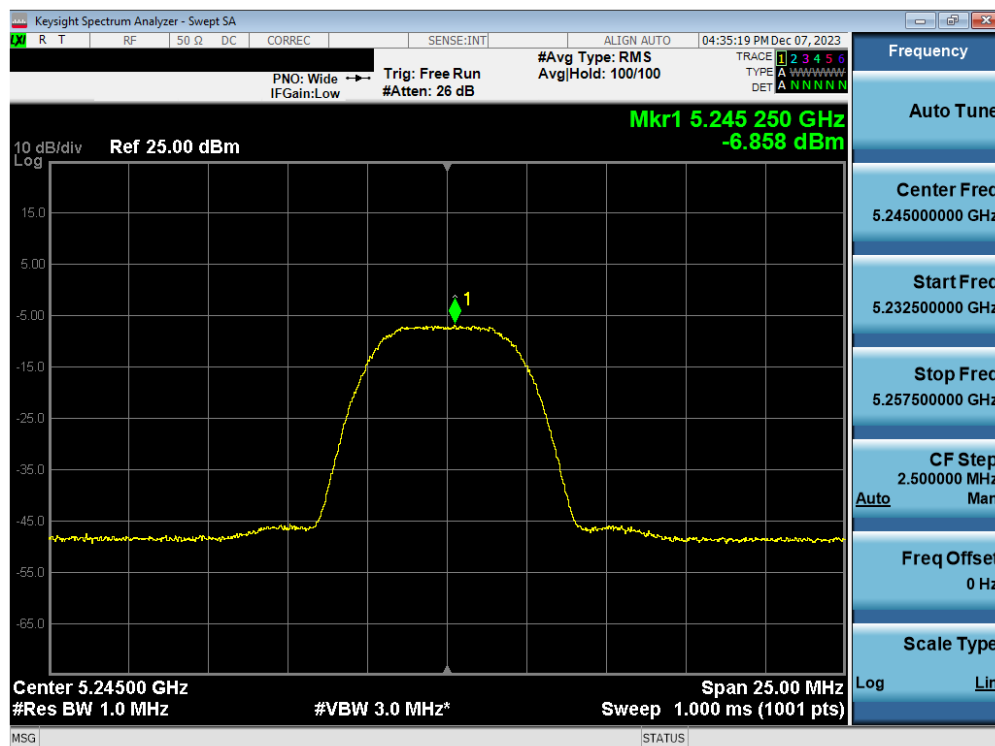


Plot 7-135. FCC/ISED PSD Tx BF Antenna 3c (HDR8, iPA – 5204MHz)

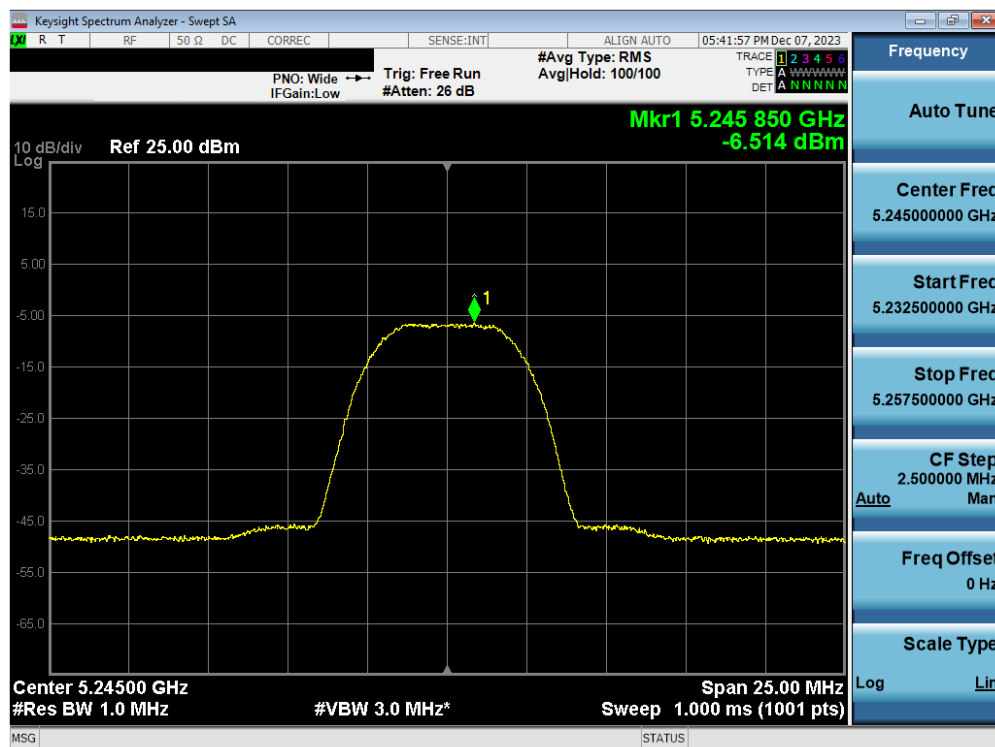


Plot 7-136. FCC/ISED PSD Tx BF Antenna 3a (HDR8, iPA – 5204MHz)

FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 108 of 176



Plot 7-137. FCC/ISED PSD TxBF Antenna 3c (HDR8, iPA- 5245MHz)

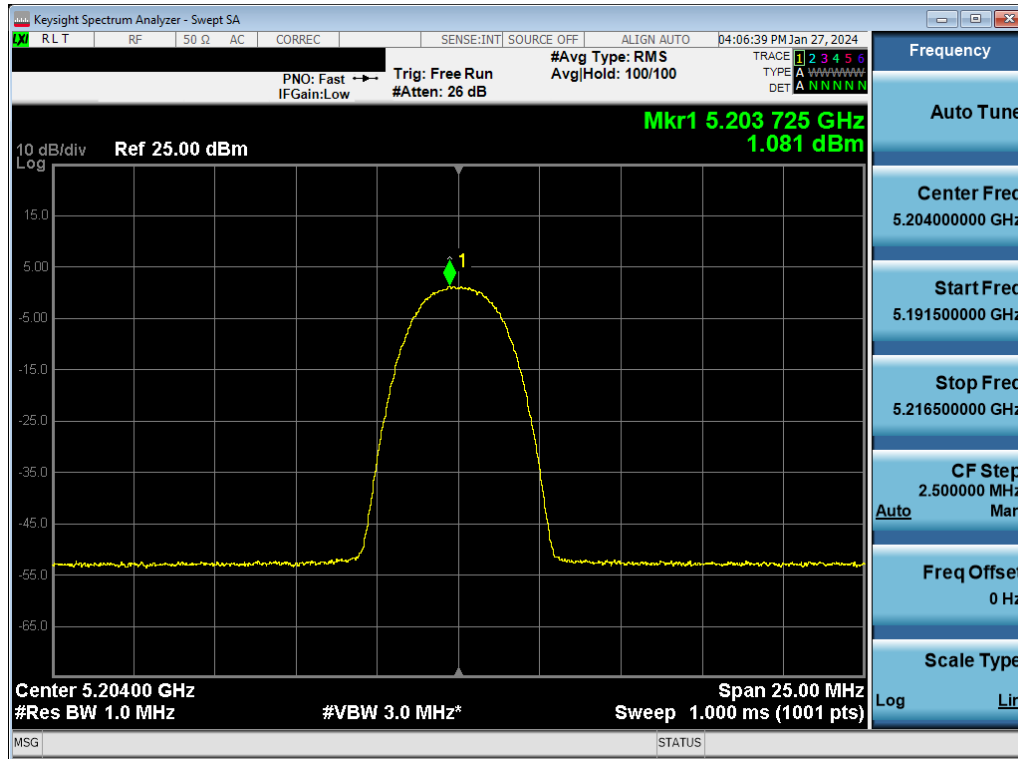


Plot 7-138. FCC/ISED PSD TxBF Antenna 3a (HDR8, iPA- 5245MHz)

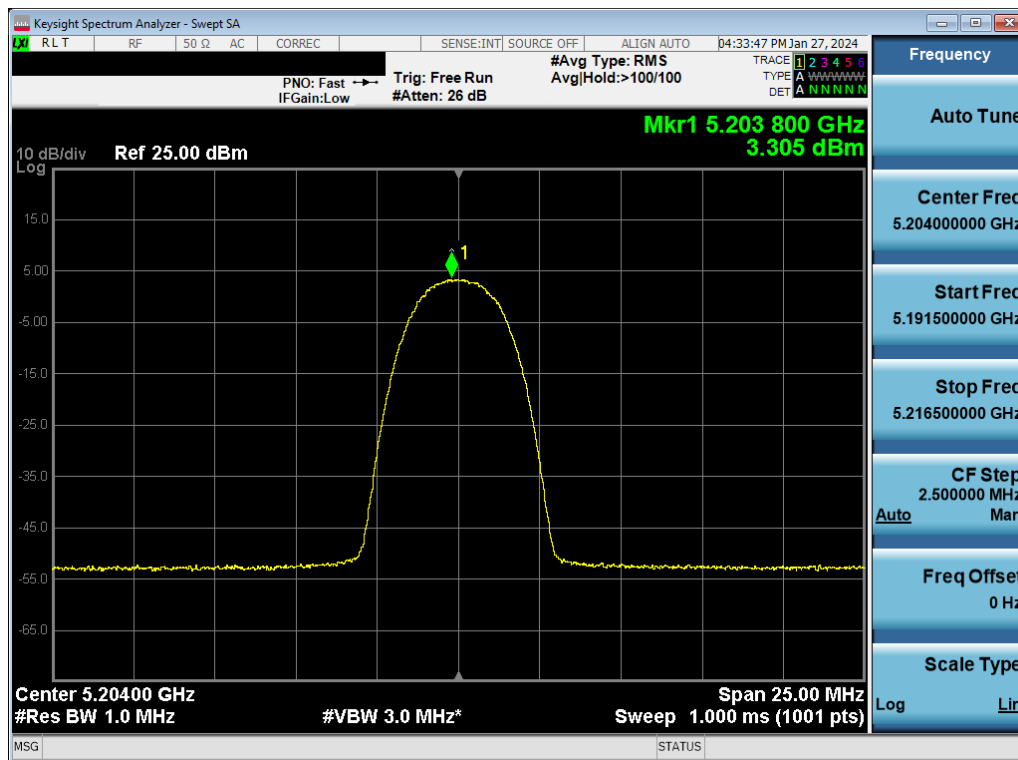
FCC ID: BCGA2903 IC: 579C-A2903	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 109 of 176

V 10.6 9/14/2023

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 Materials Technology. 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. ISED PSD TxBF Antenna 3c (HDR4, ePA – 5204MHz)

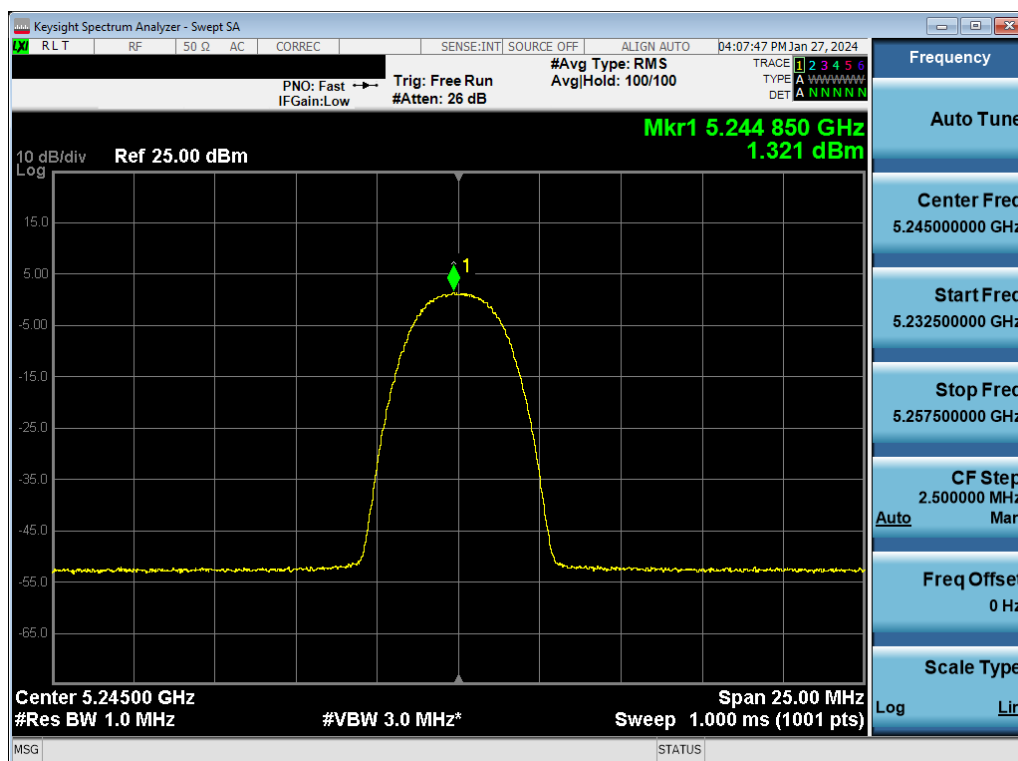


Plot 7-142. ISED PSD TxBF Antenna 3a (HDR4, ePA – 5204MHz)

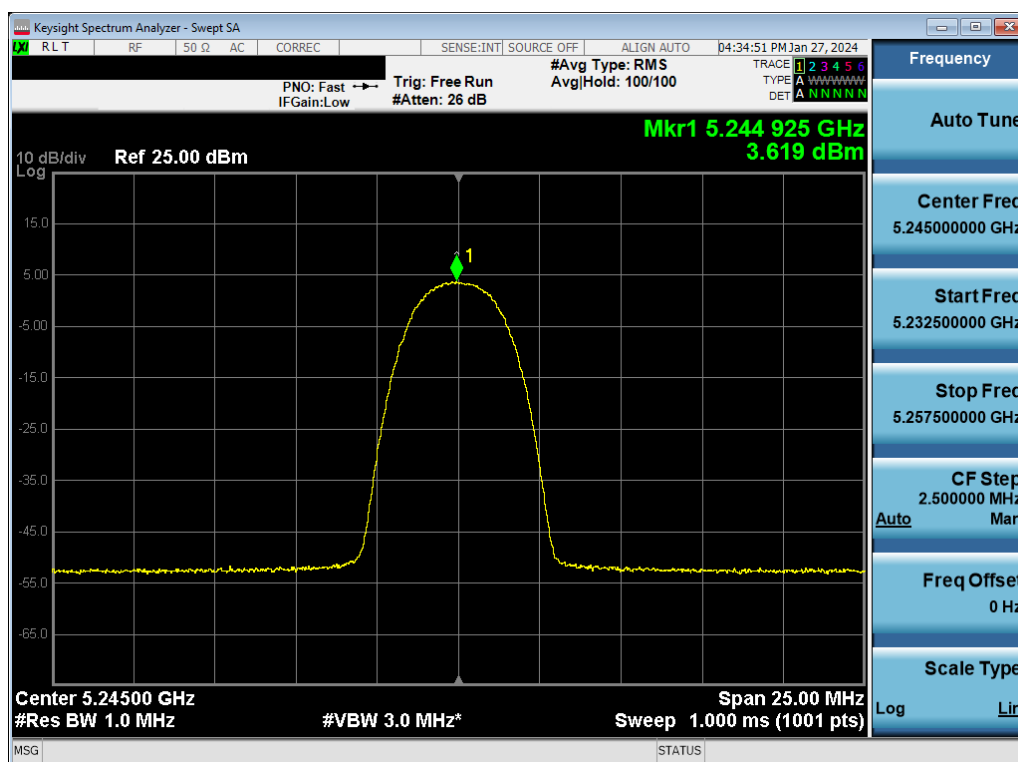
FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 111 of 176

V 10.6 9/14/2023

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 Materials Technology. 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 7-143. ISED PSD TxBF Antenna 3c (HDR4, ePA- 5245MHz)

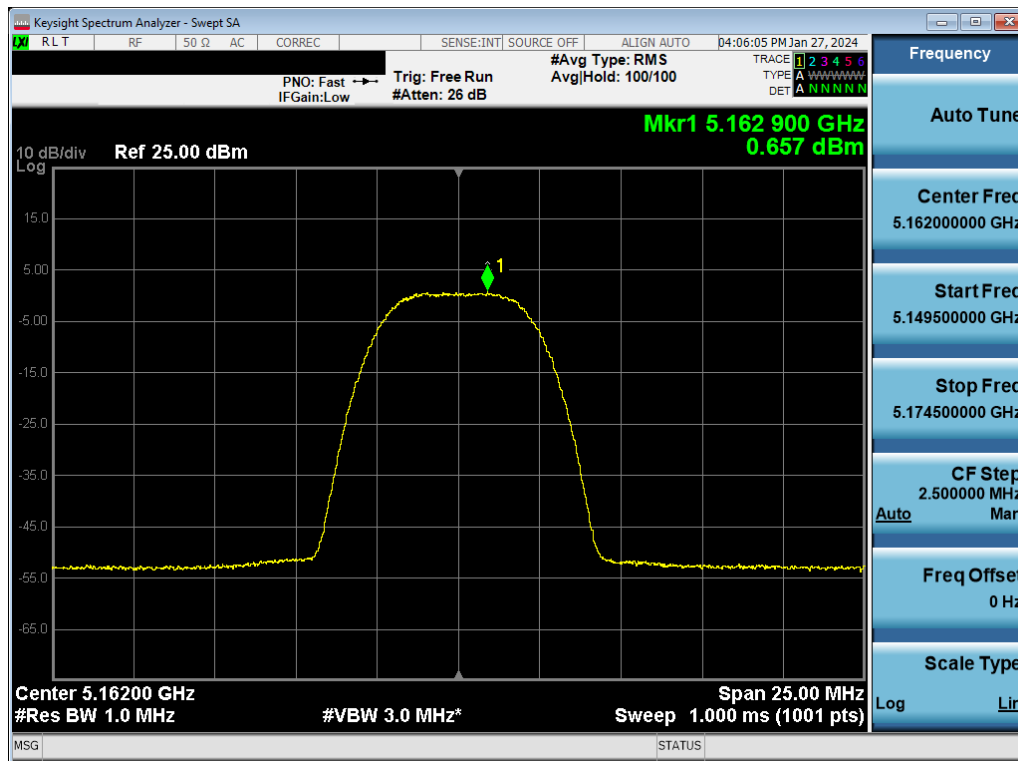


Plot 7-144. ISED PSD TxBF Antenna 3a (HDR4, ePA - 5245MHz)

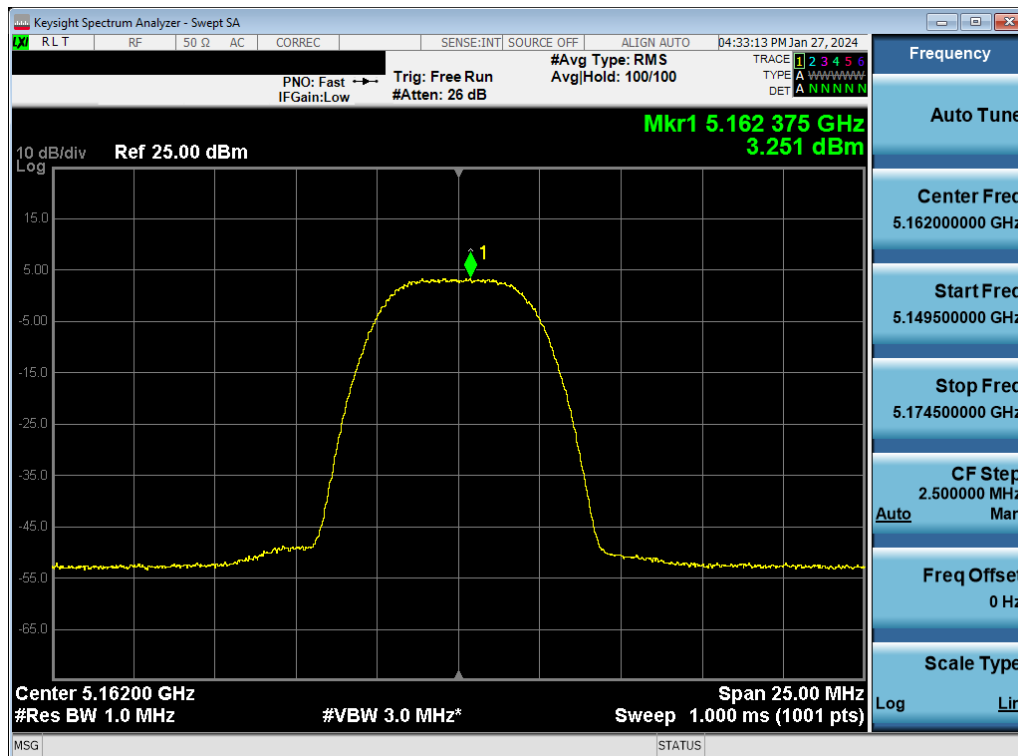
FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 112 of 176

V 10.6 9/14/2023

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 Materials Technology. 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.

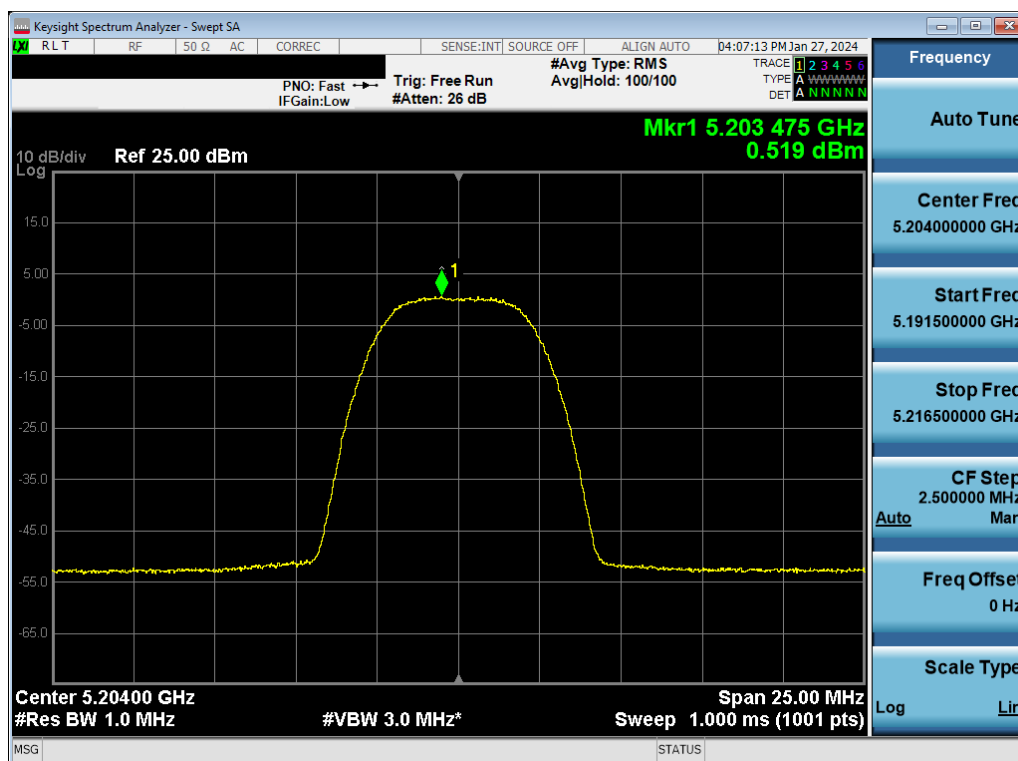


Plot 7-145. ISED PSD TxBF Antenna 3c (HDR8, ePA – 5162MHz)

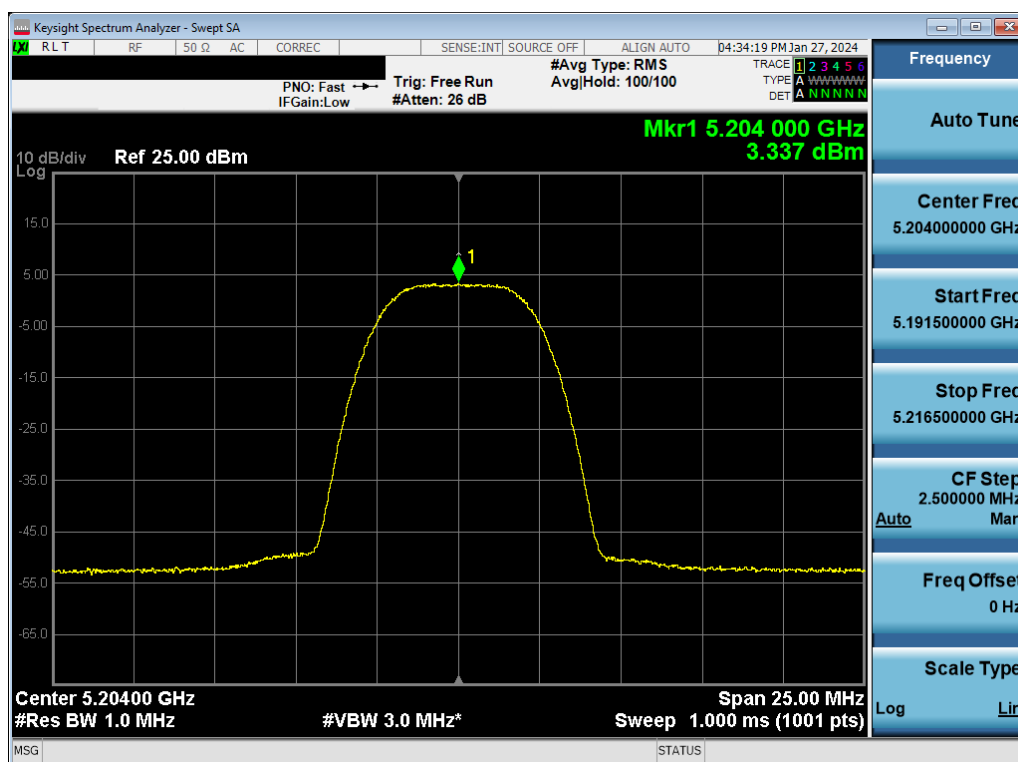


Plot 7-146. ISED PSD TxBF Antenna 3a (HDR8, ePA – 5162MHz)

FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 113 of 176



Plot 7-147. ISED PSD TxBF Antenna 3c (HDR8, ePA – 5204MHz)

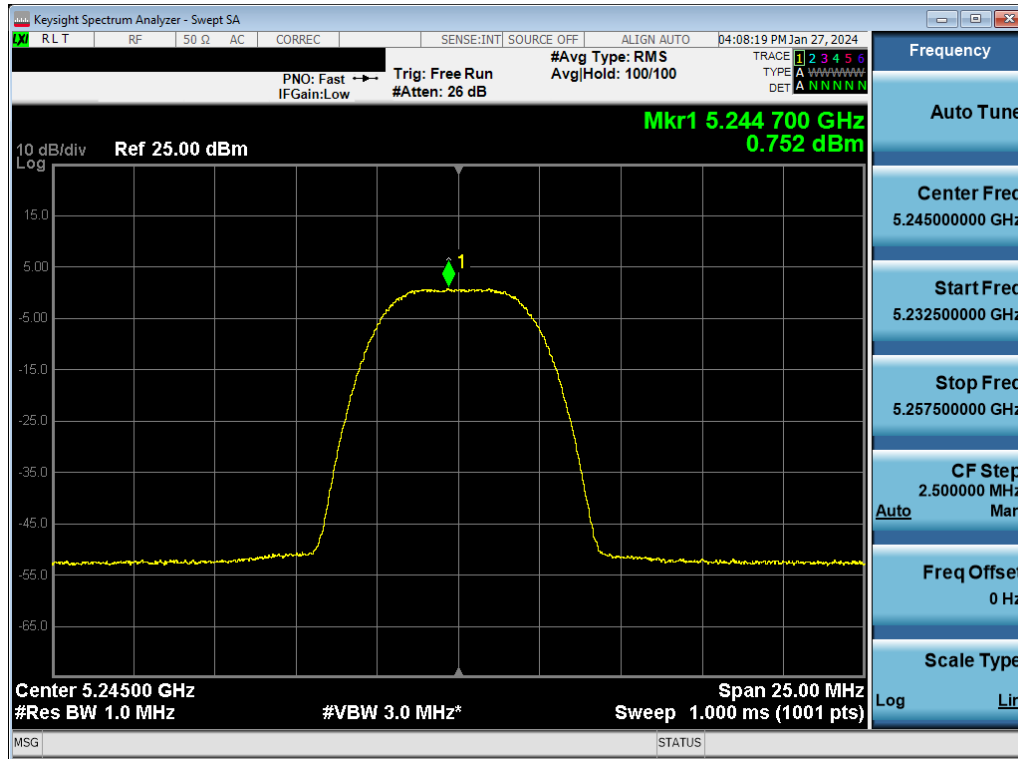


Plot 7-148. ISED PSD TxBF Antenna 3a (HDR8, ePA – 5204MHz)

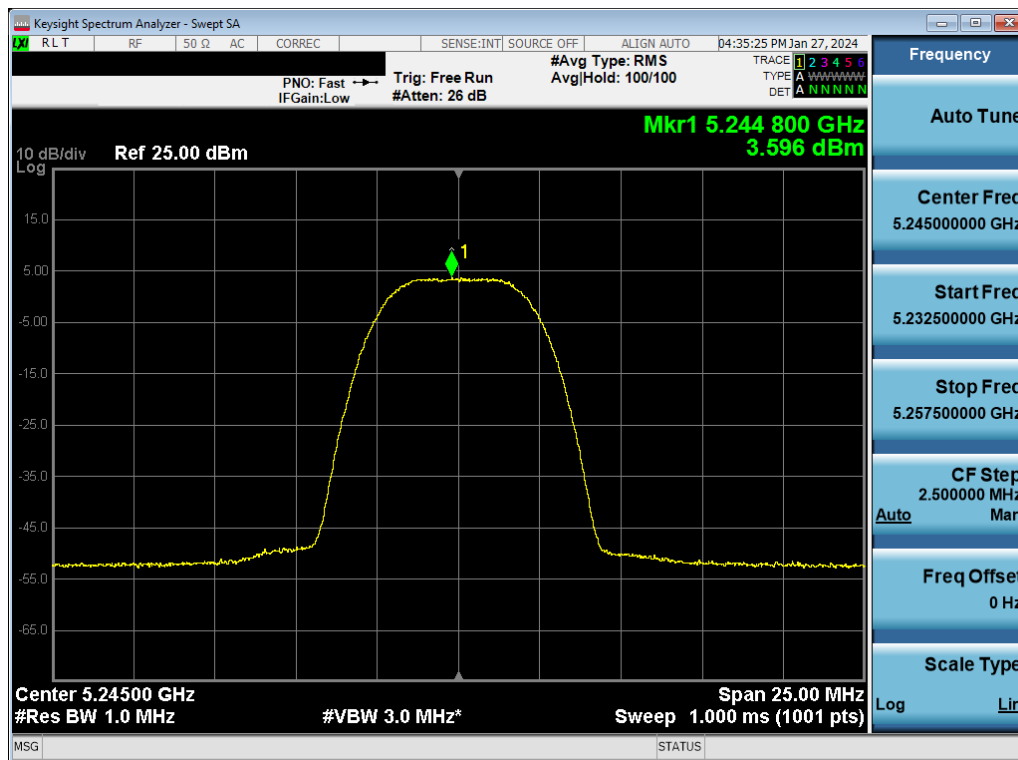
FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 114 of 176

V 10.6 9/14/2023

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 Materials Technology. 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 7-149. ISED PSD TxBF Antenna 3c (HDR8, ePA- 5245MHz)

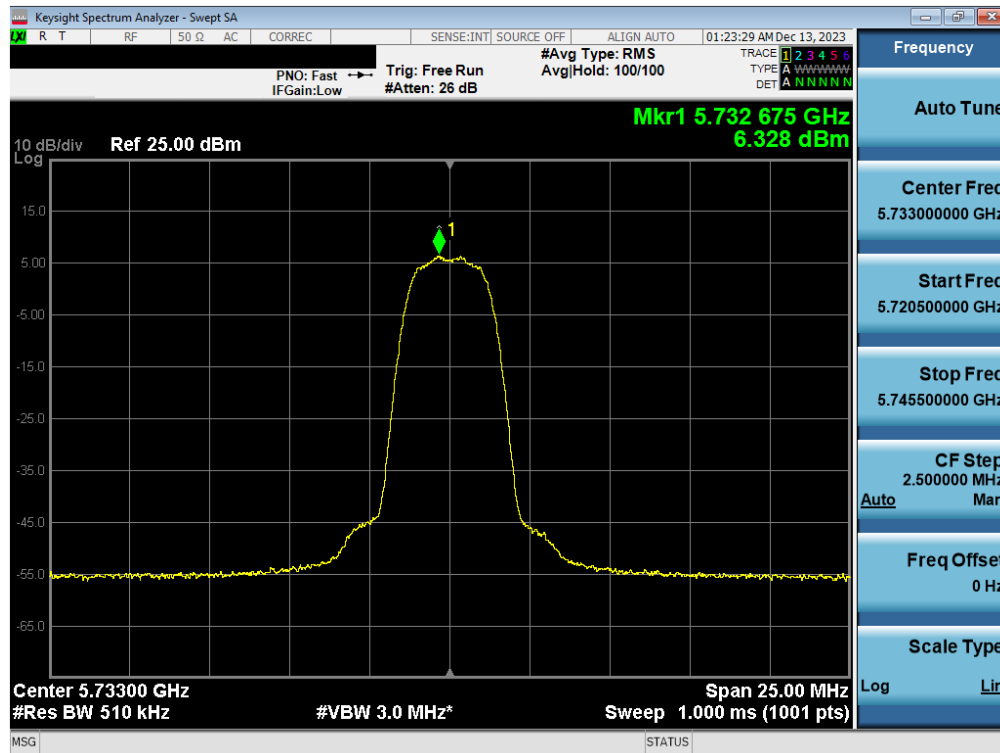


Plot 7-150. ISED PSD TxBF Antenna 3a (HDR8, ePA- 5245MHz)

FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 115 of 176

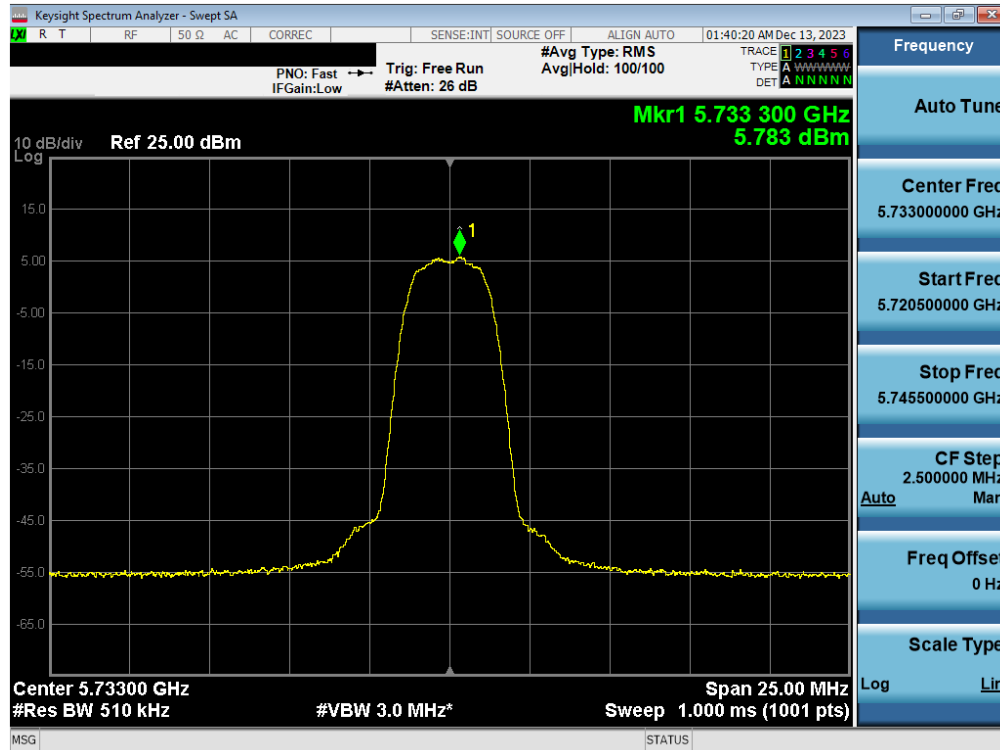
	Frequency [MHz]	Data Rate [Mbps]	Mode	Power Scheme	Antenna 3c Power Density [dBm/500kHz]	Antenna 3a Power Density [dBm/500kHz]	Summed Power Density [dBm/500kHz]	Max Permissible Power Density [dBm/500kHz]	Margin [dB]
Band 3	5733	4.0	HDR4	ePA	6.33	5.78	9.07	30.00	-20.93
	5789	4.0	HDR4	ePA	5.68	5.40	8.55	30.00	-21.45
	5844	4.0	HDR4	ePA	6.49	5.56	9.06	30.00	-20.94
	5733	4.0	HDR4	iPA	-6.81	-7.04	-3.91	30.00	-33.91
	5789	4.0	HDR4	iPA	-7.33	-8.04	-4.66	30.00	-34.66
	5844	4.0	HDR4	iPA	-6.72	-7.10	-3.90	30.00	-33.90
	5733	8.0	HDR8	ePA	3.28	2.82	6.07	30.00	-23.93
	5789	8.0	HDR8	ePA	3.07	2.10	5.62	30.00	-24.38
	5844	8.0	HDR8	ePA	3.05	2.88	5.97	30.00	-24.03
	5733	8.0	HDR8	iPA	-10.12	-10.51	-7.30	30.00	-37.30
	5789	8.0	HDR8	iPA	-10.53	-10.96	-7.73	30.00	-37.73
	5844	8.0	HDR8	iPA	-9.63	-10.49	-7.03	30.00	-37.03

Table 7-27. Power Spectral Density Measurements TxBF

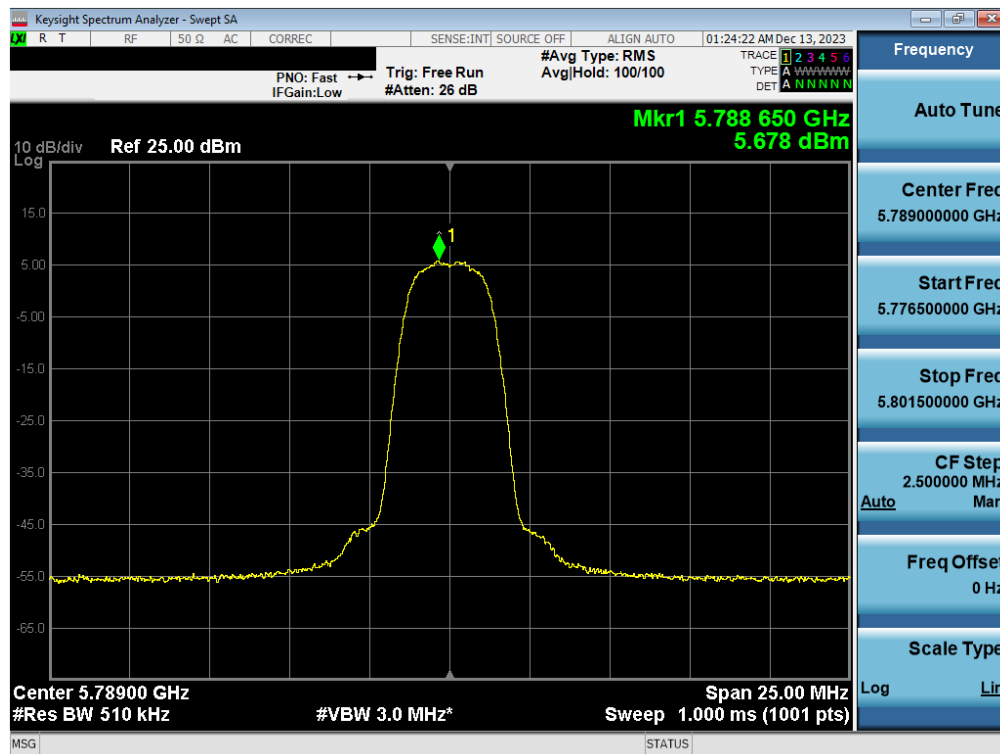


Plot 7-151. PSD TxBF Antenna 3c (HDR4, ePA 5733MHz)

FCC ID: BCGA2903 IC: 579C-A2903	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 116 of 176



Plot 7-152. PSD TxBF Antenna 3a (HDR4, ePA 5733MHz)

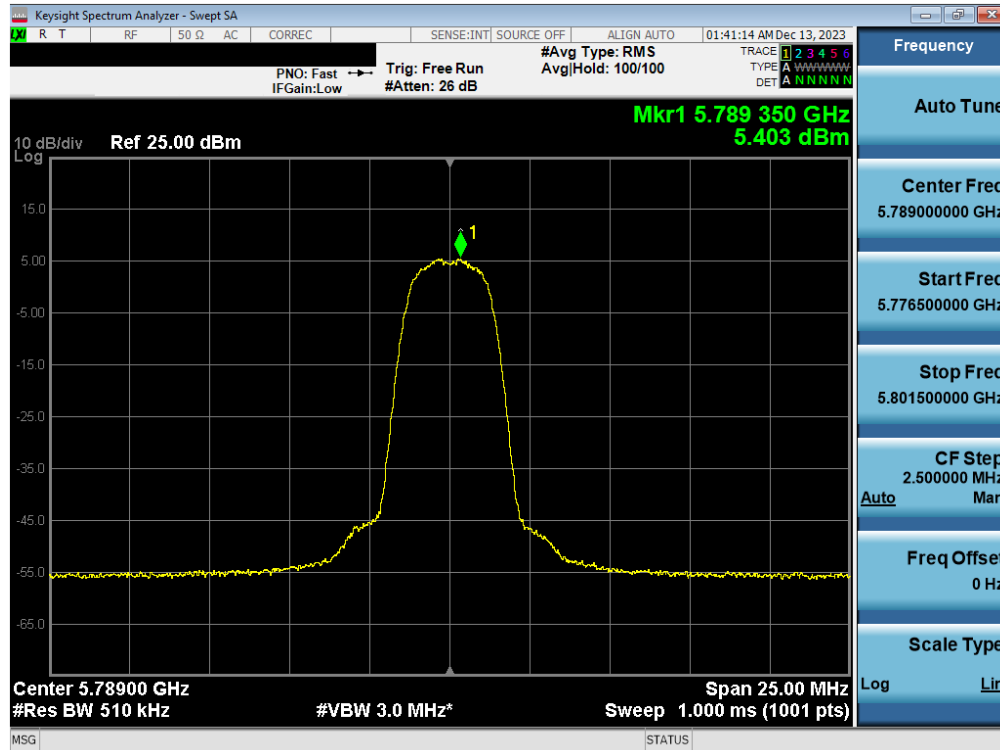


Plot 7-153. PSD TxBF Antenna 3c (HDR4, ePA 5789MHz)

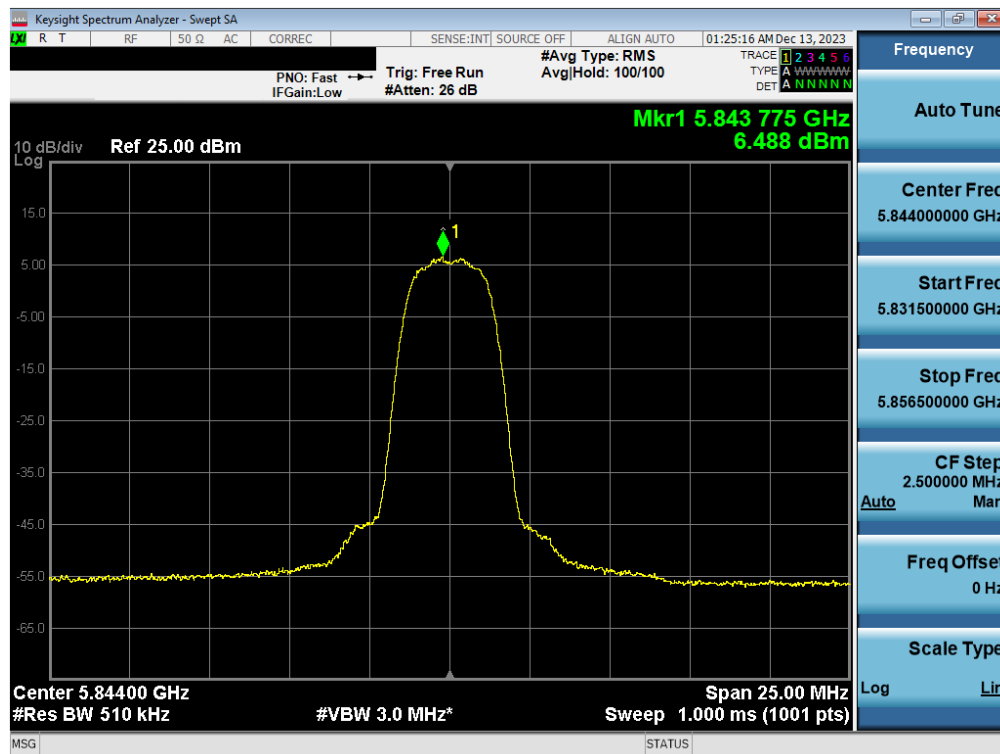
FCC ID: BCGA2903 IC: 579C-A2903	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 117 of 176

V 10.6 9/14/2023

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 Materials Technology. 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.

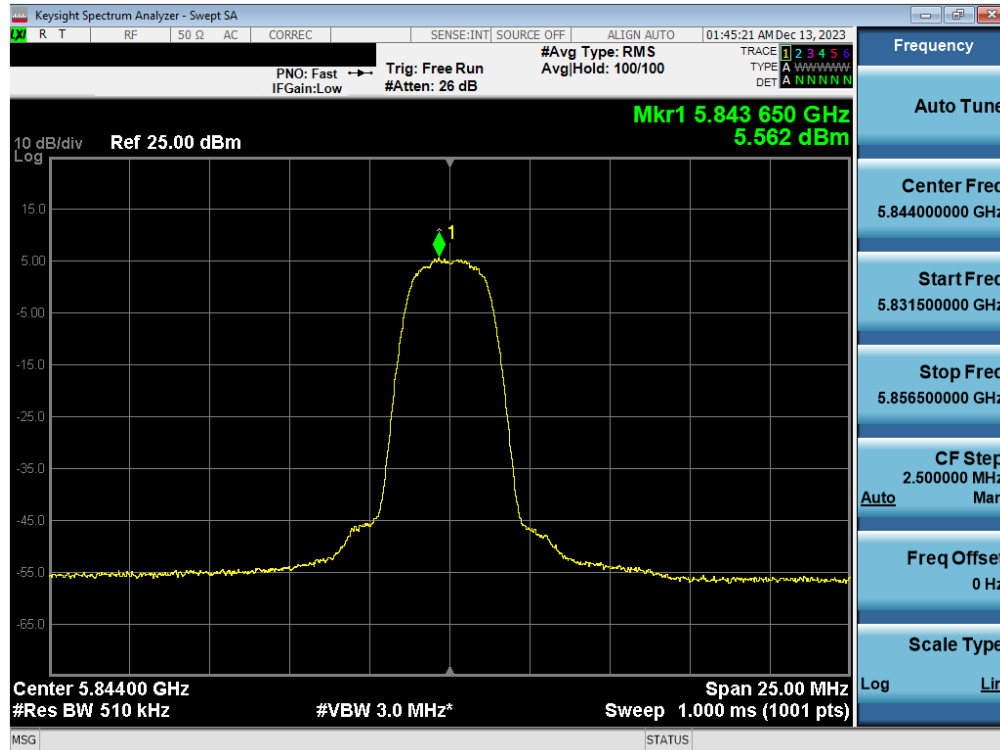


Plot 7-154. PSD TxBF Antenna 3a (HDR4, ePA 5789MHz)

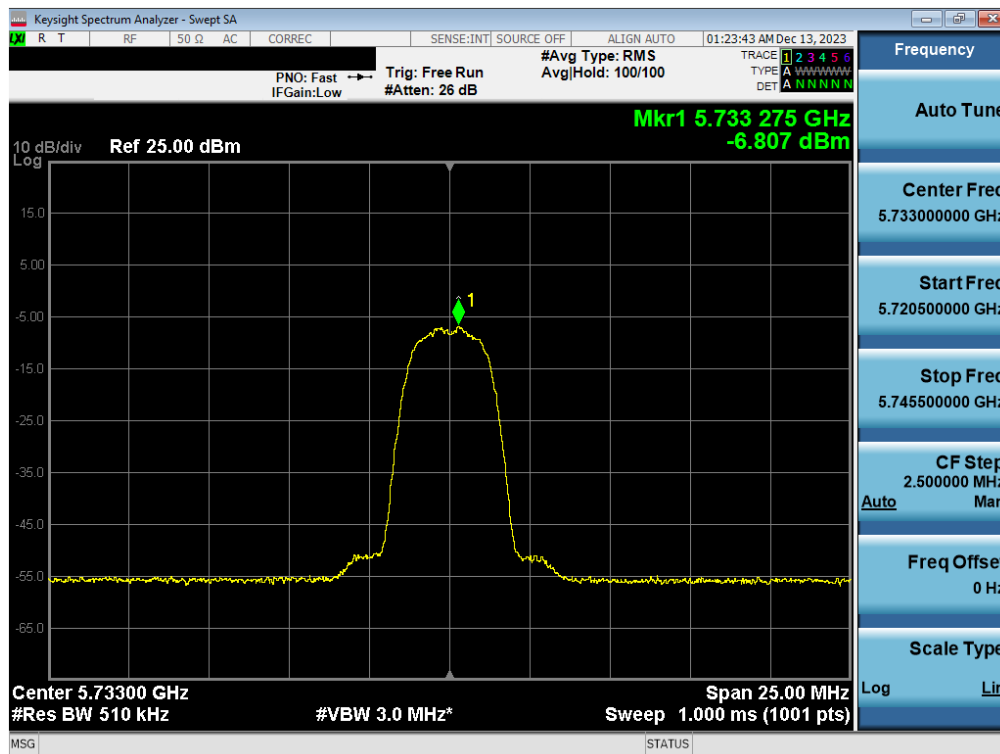


Plot 7-155. PSD TxBF Antenna 3c (HDR4, ePA 5844MHz)

FCC ID: BCGA2903 IC: 579C-A2903	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 118 of 176

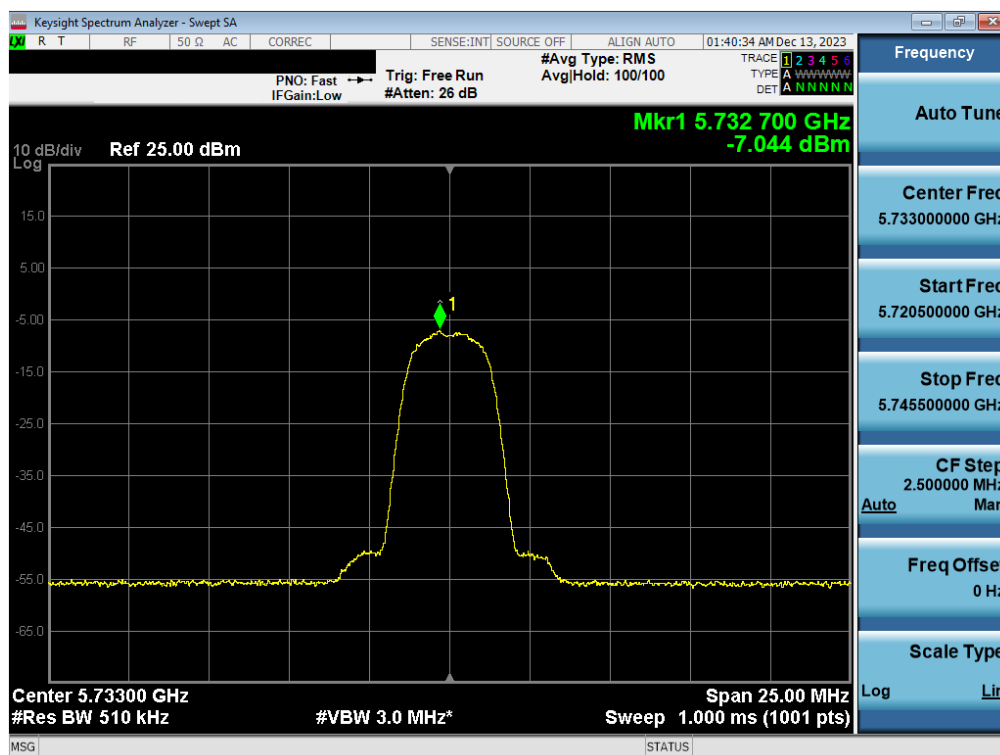


Plot 7-156. PSD TxBF Antenna 3a (HDR4, ePA 5844MHz)

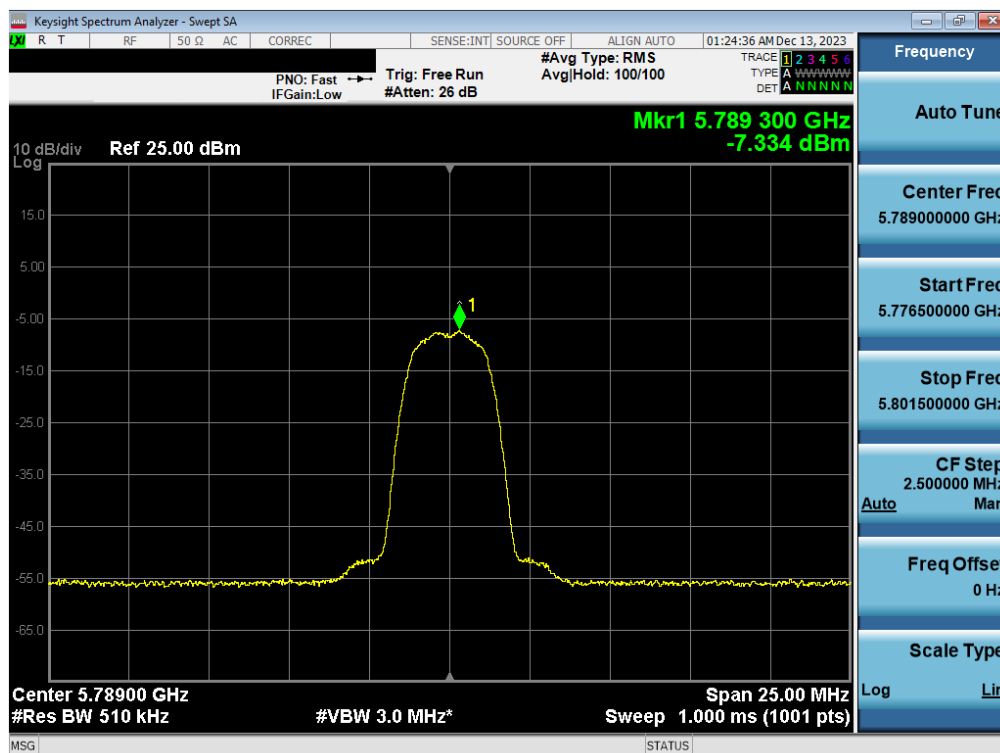


Plot 7-157. PSD TxBF Antenna 3c (HDR4, iPA 5733MHz)

FCC ID: BCGA2903 IC: 579C-A2903	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 119 of 176



Plot 7-158. PSD TxBF Antenna 3a (HDR4, iPA 5733MHz)

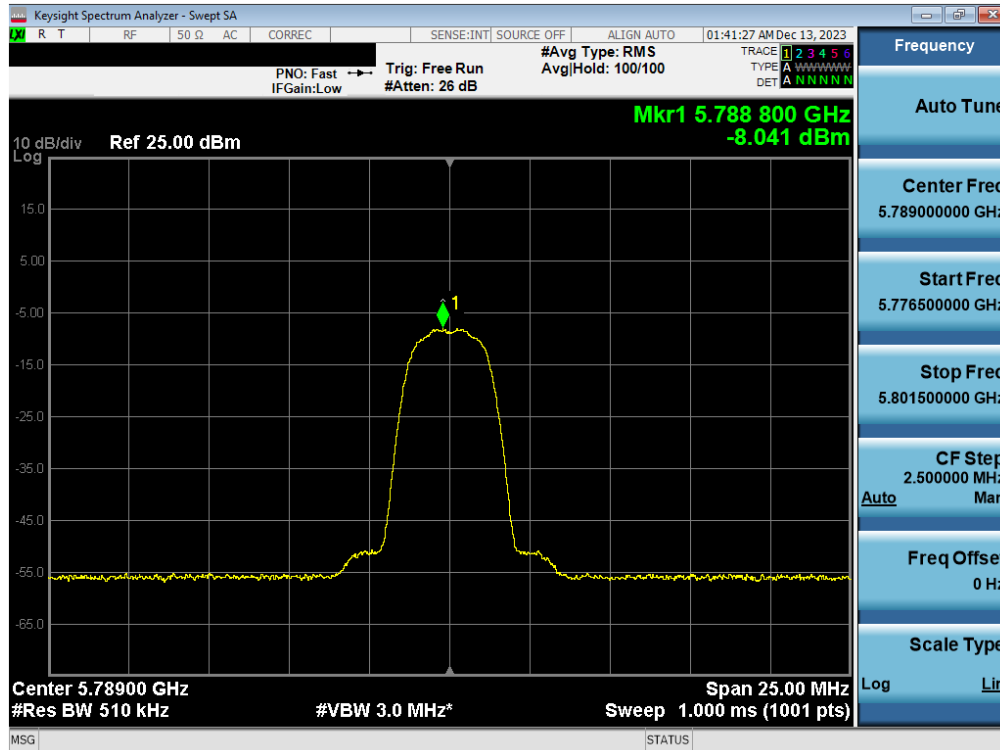


Plot 7-159. PSD TxBF Antenna 3c (HDR4, iPA 5789MHz)

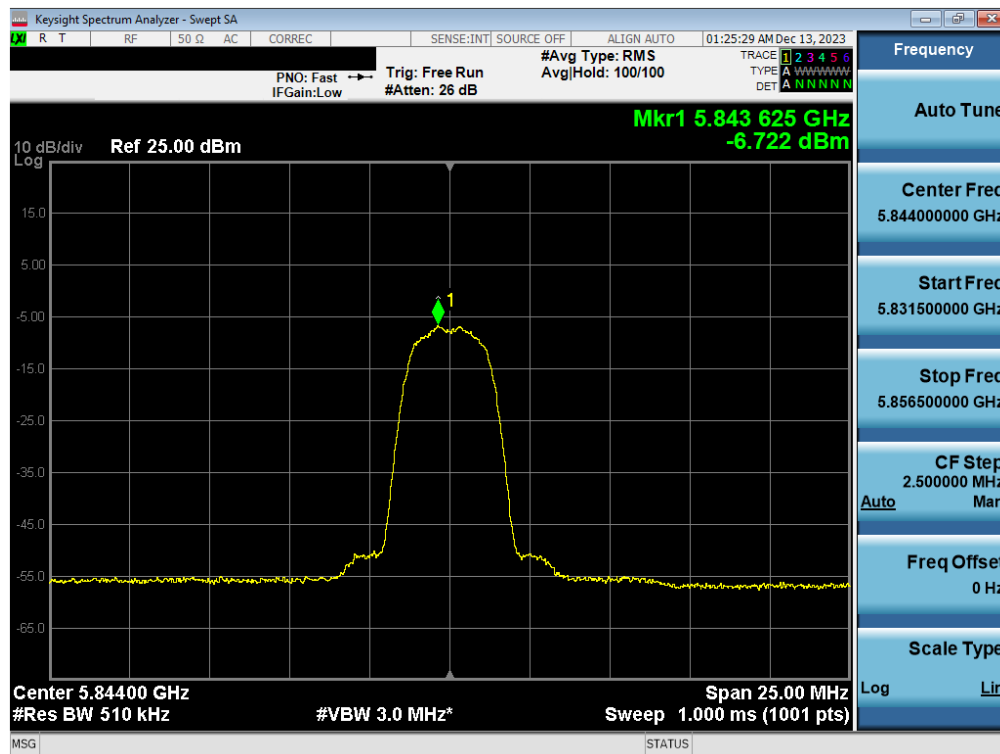
FCC ID: BCGA2903 IC: 579C-A2903	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 120 of 176

V 10.6 9/14/2023

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 Materials Technology. 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 7-160. PSD TxBF Antenna 3a (HDR4, iPA 5789MHz)

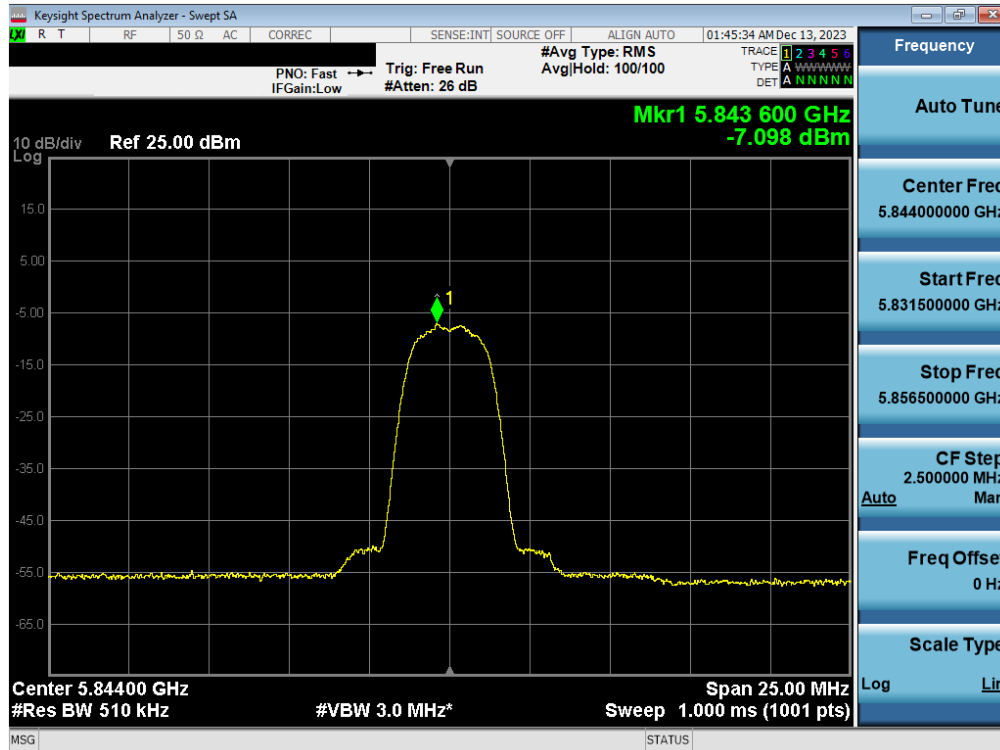


Plot 7-161. PSD TxBF Antenna 3c (HDR4, iPA 5844MHz)

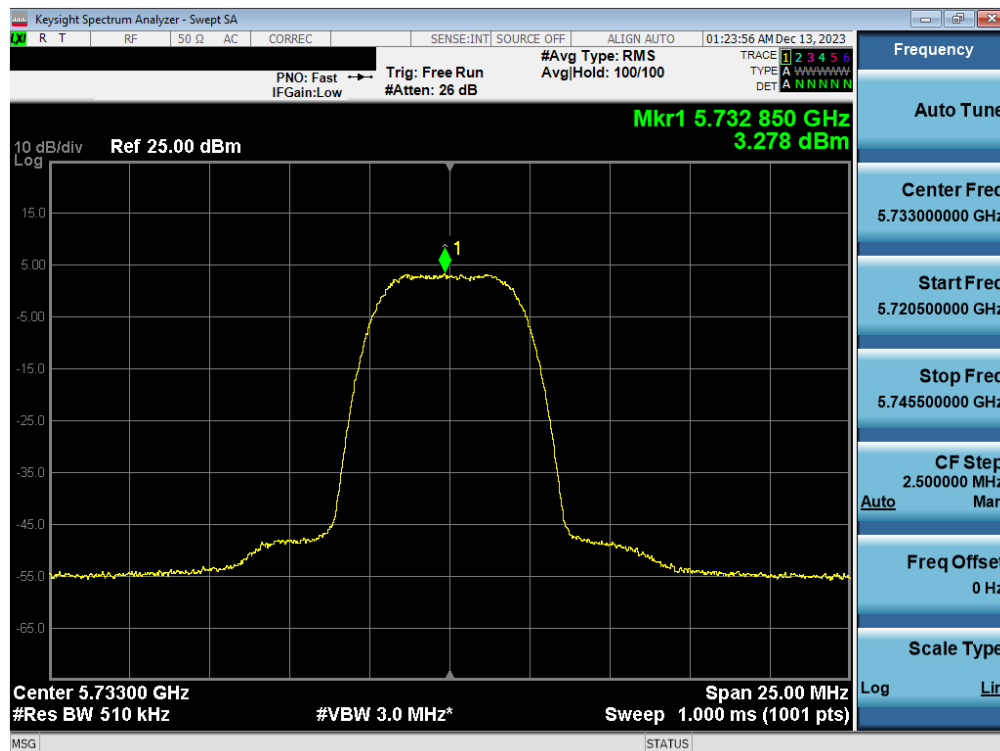
FCC ID: BCGA2903 IC: 579C-A2903	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 121 of 176

V 10.6 9/14/2023

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 Materials Technology. 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 7-162. PSD TxBF Antenna 3a (HDR4, iPA 5844MHz)

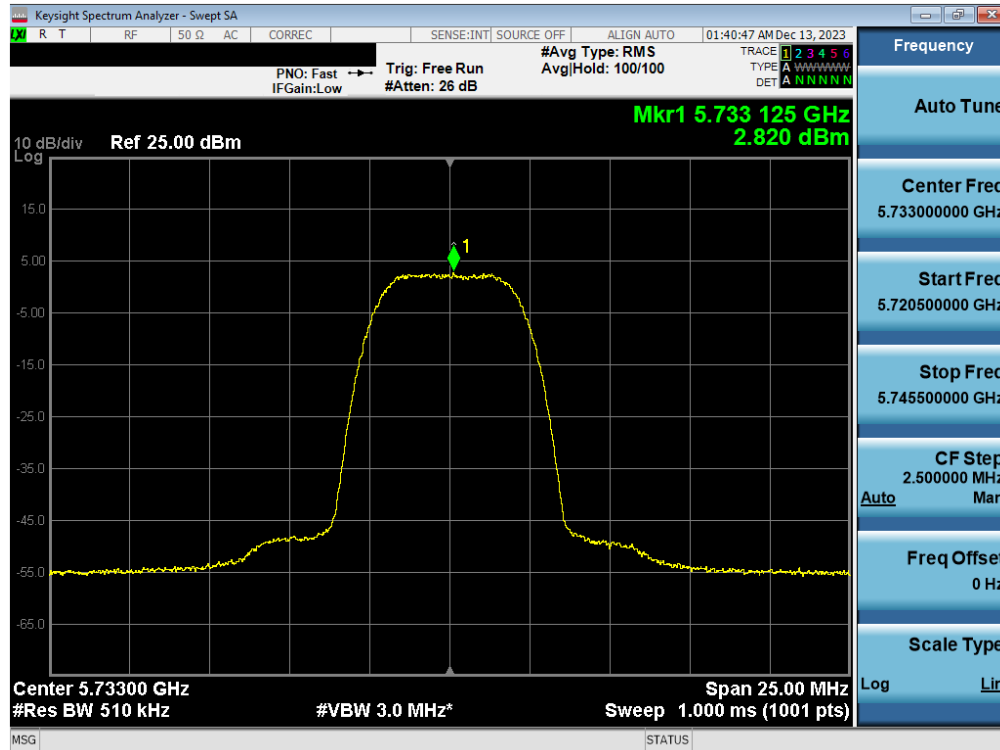


Plot 7-163. PSD TxBF Antenna 3c (HDR8, ePA 5733MHz)

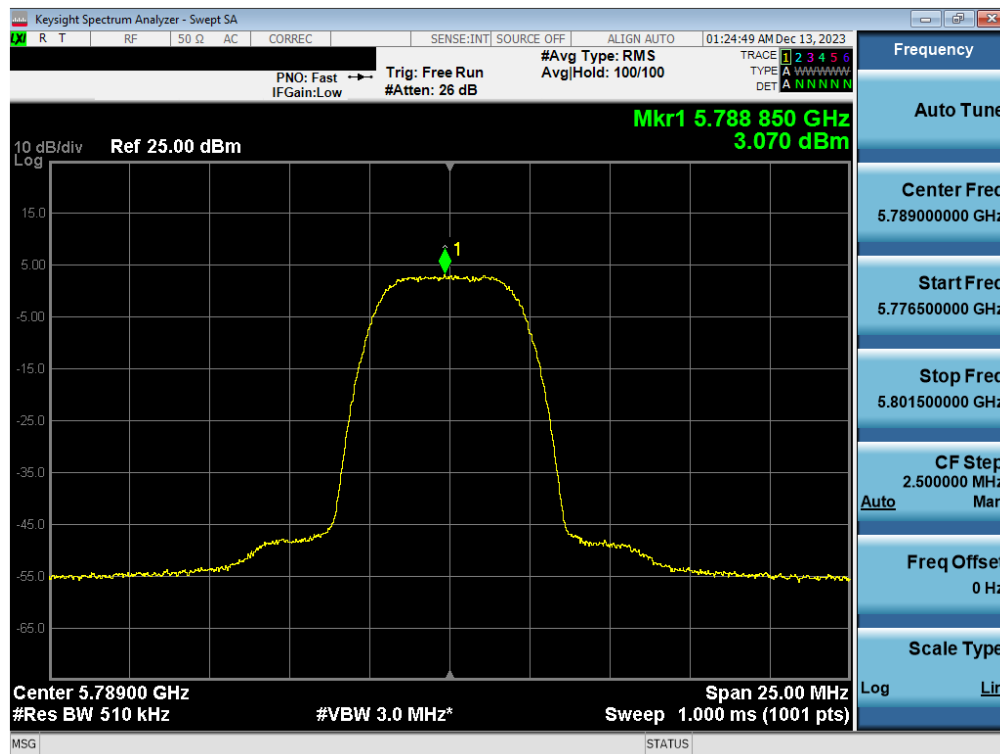
FCC ID: BCGA2903 IC: 579C-A2903	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 122 of 176

V 10.6 9/14/2023

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 Materials Technology. 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 7-164. PSD TxBF Antenna 3a (HDR8, ePA 5733MHz)

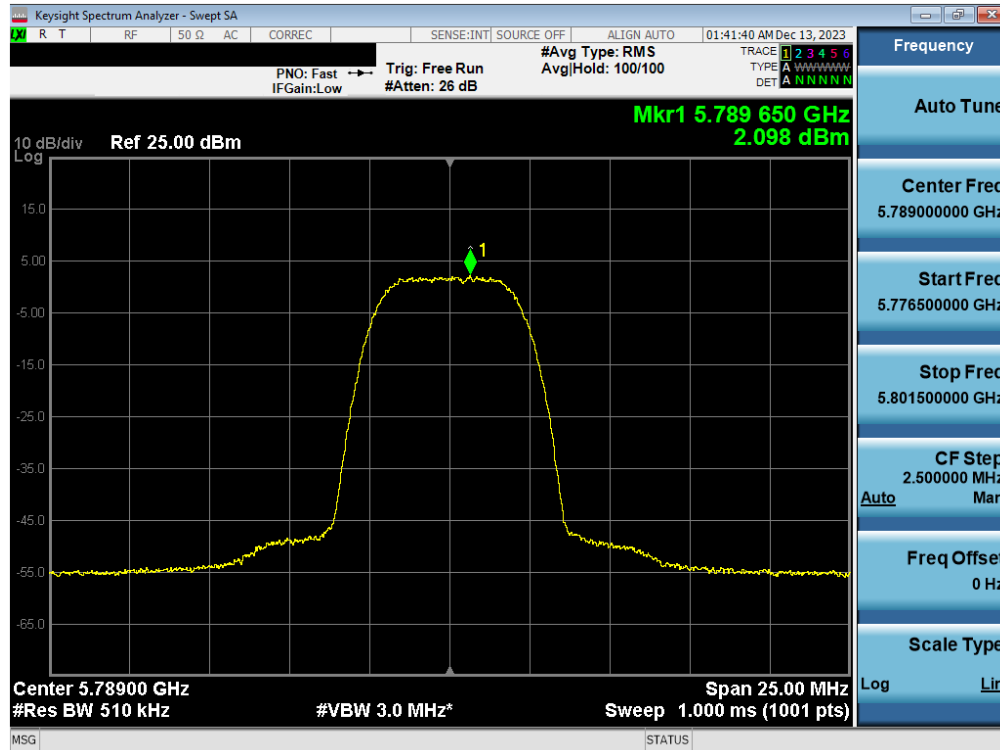


Plot 7-165. PSD TxBF Antenna 3c (HDR8, ePA 5789MHz)

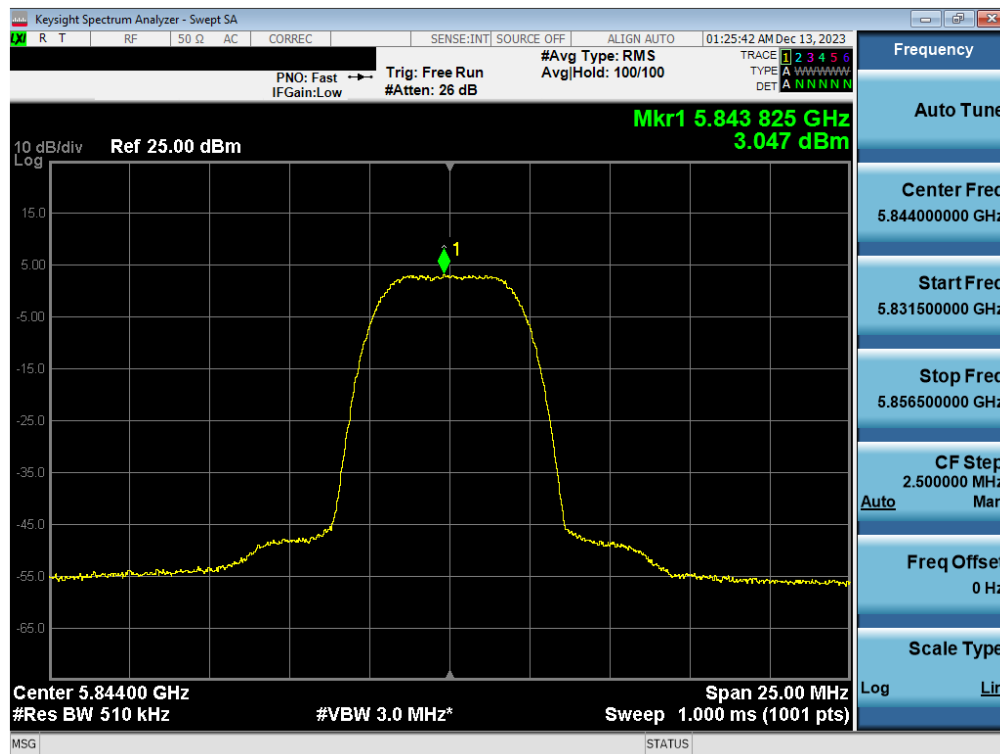
FCC ID: BCGA2903 IC: 579C-A2903	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 123 of 176

V 10.6 9/14/2023

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 Materials Technology. 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 7-166. PSD TxBF Antenna 3a (HDR8, ePA 5789MHz)

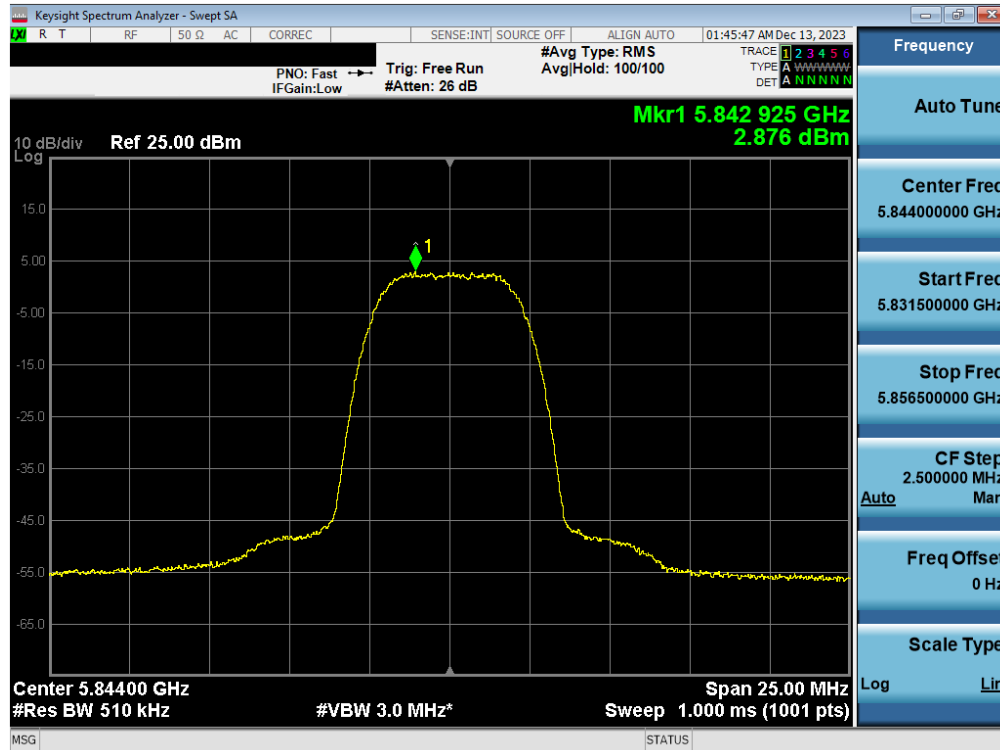


Plot 7-167. PSD TxBF Antenna 3c (HDR8, ePA 5844MHz)

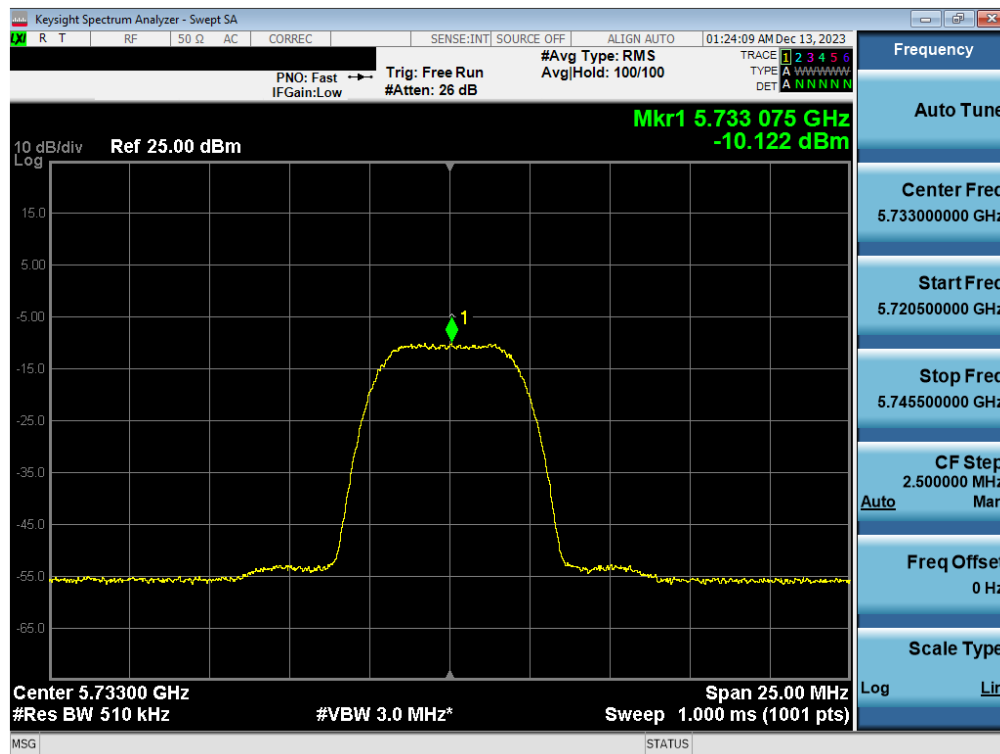
FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 124 of 176

V 10.6 9/14/2023

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 Materials Technology. 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 7-168. PSD TxBF Antenna 3a (HDR8, ePA 5844MHz)

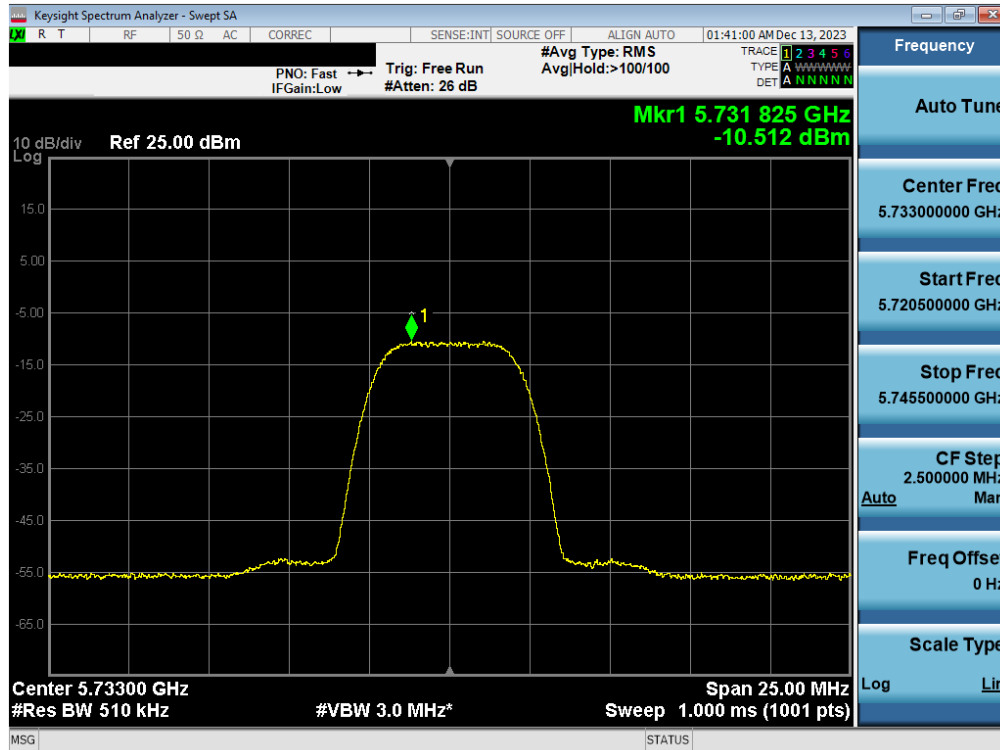


Plot 7-169. PSD TxBF Antenna 3c (HDR8, iPA 5733MHz)

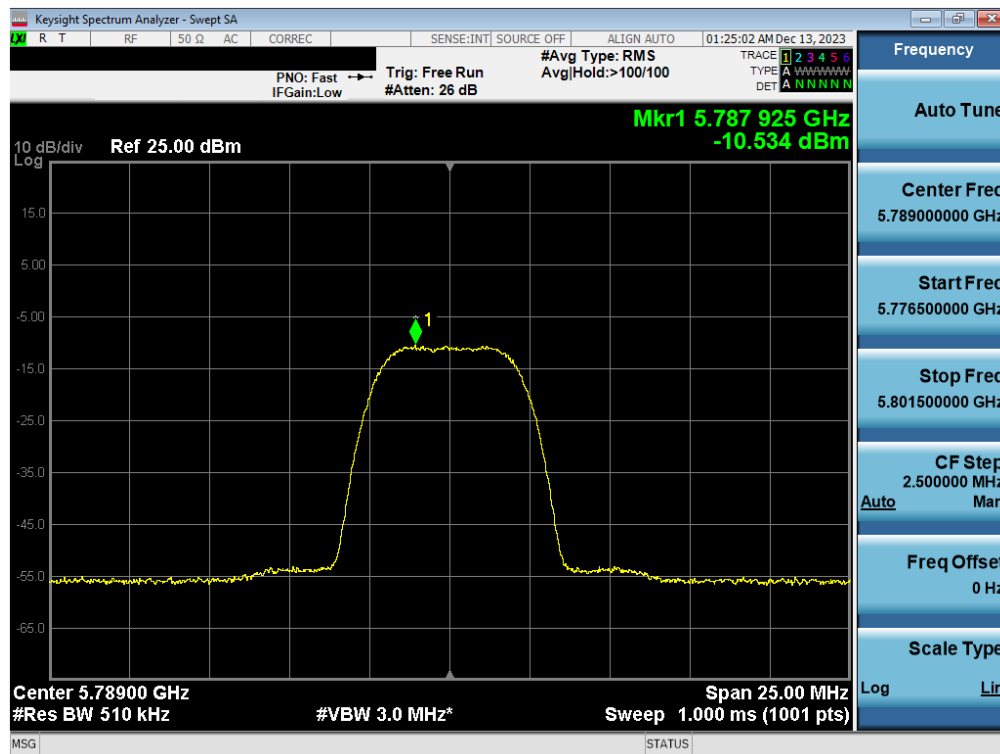
FCC ID: BCGA2903 IC: 579C-A2903	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 125 of 176

V 10.6 9/14/2023

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 Materials Technology. 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 7-170. PSD TxBF Antenna 3a (HDR8, iPA 5733MHz)

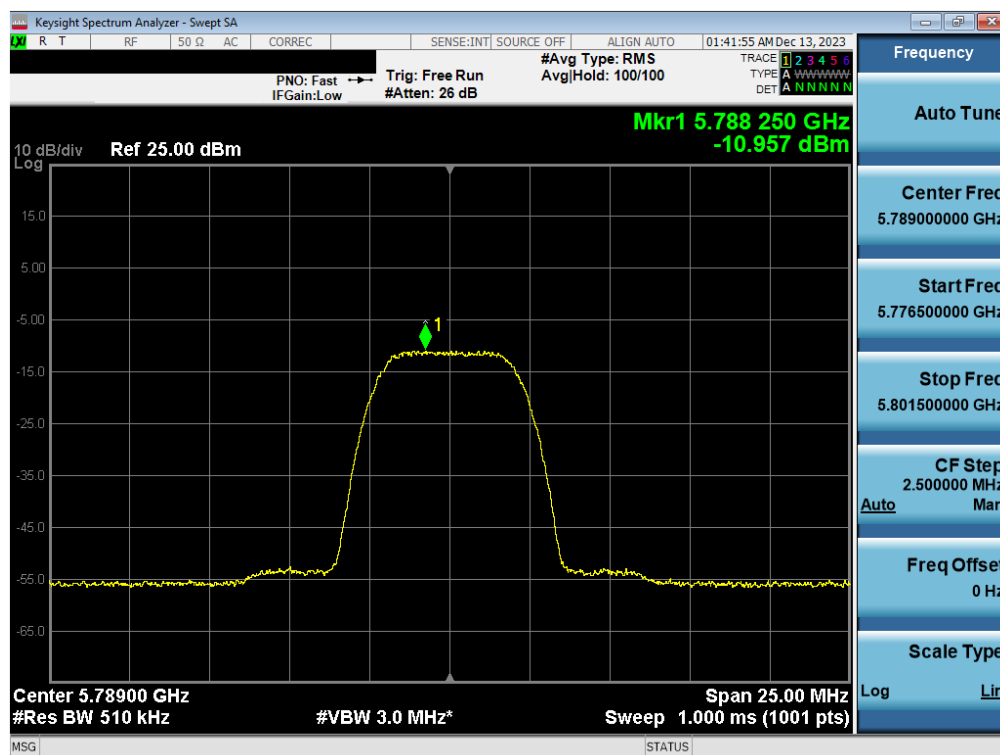


Plot 7-171. PSD TxBF Antenna 3c (HDR8, iPA 5789MHz)

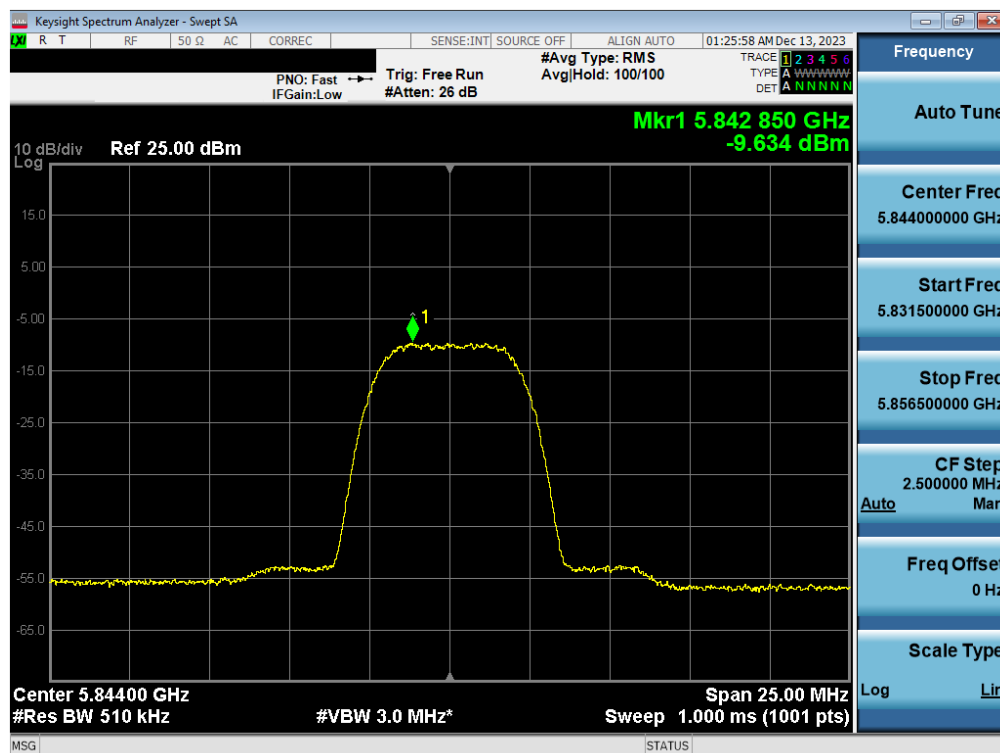
FCC ID: BCGA2903 IC: 579C-A2903	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 126 of 176

V 10.6 9/14/2023

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 Materials Technology. 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 7-172. PSD TxBF Antenna 3a (HDR8, iPA 5789MHz)

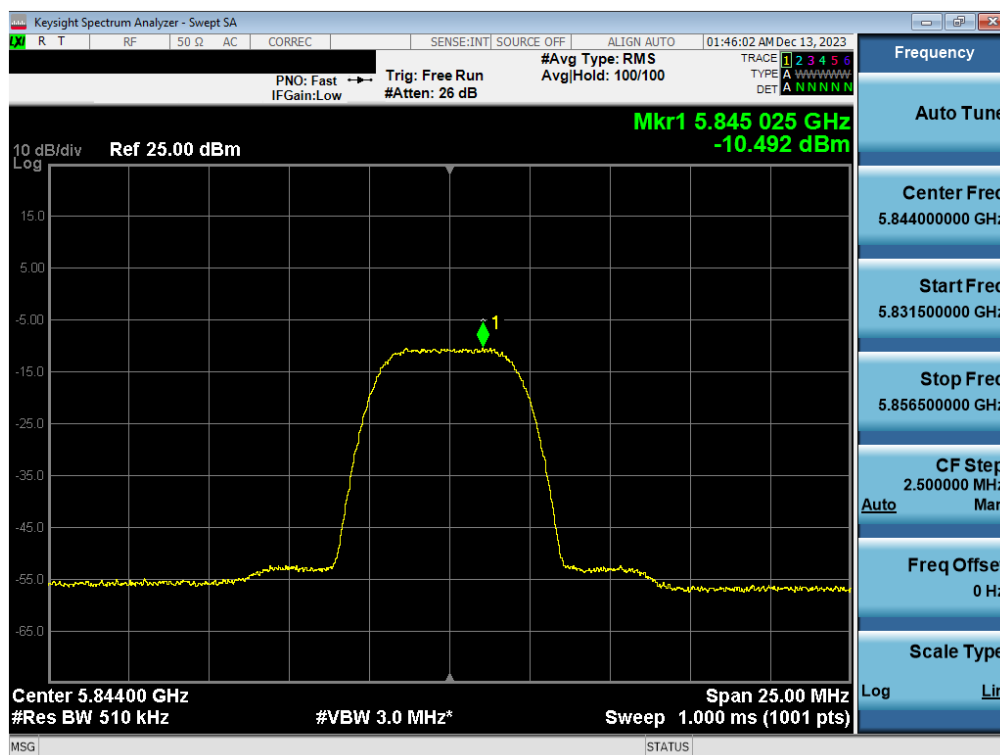


Plot 7-173. PSD TxBF Antenna 3c (HDR8, iPA 5844MHz)

FCC ID: BCGA2903 IC: 579C-A2903	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 127 of 176

V 10.6 9/14/2023

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 Materials Technology. 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 7-174. PSD TxBF Antenna 3a (HDR8, iPA 5844MHz)

FCC ID: BCGA2903 IC: 579C-A2903	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 128 of 176

V 10.6 9/14/2023

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 Materials Technology. 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.



Note:

Per ANSI C63.10-2013 Subclause 14.3.2.2 and KDB 662911 v02r01 Section E)2), the power spectral density at Antenna 3c and Antenna 3a were first measured separately during TxBF transmission as shown in the section above. The measured values were then summed in linear power units then converted back to dBm.

Sample TxBF Calculation:

At 5162MHz, the average conducted power spectral density was measured to be 0.48dBm for Antenna 3c and 2.86dBm for Antenna 3a.

$$\text{Antenna 3c} + \text{Antenna 3a} = \text{TxBF}$$

$$(0.48 \text{ dBm} + 2.86 \text{ dBm}) = (1.117 \text{ mW} + 1.932 \text{ mW}) = 3.049 \text{ mW} = 4.84 \text{ dBm}$$

Sample e.i.r.p. Calculation:

At 5162MHz, the average conducted power spectral density was measured to be 4.84dBm with an Antenna gain of 3.08 dBi.

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

$$4.84 \text{ dBm} + 3.08 \text{ dBi} = 7.92 \text{ dBm}$$

FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 129 of 176

V 10.6 9/14/2023

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 Materials Technology. 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; RSS-Gen [8.9]

Test Overview and Limit

All out of band radiated spurious emissions are measured with a spectrum analyzer connected to a receive antenna while the EUT is operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10-2013 and KDB 789033 D02 v02r01, and at the appropriate frequencies. All channels and power schemes were investigated among all UNII bands. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

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

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

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR and Table 7 of RSS-Gen (8.10) must not exceed the limits shown in Table 7-28 per Section 15.209 and RSS-Gen (8.9).

Frequency	Field Strength [μV/m]	Measured Distance [Meters]
Above 960.0 MHz	500	3

Table 7-28. Radiated Limits

Test Procedures Used

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

FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 130 of 176

V 10.6 9/14/2023

Test Settings

Average Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = power average (RMS)
5. Number of measurement points = 1001 (Number of points must be $\geq 2 \times \text{span/RBW}$)
6. Averaging type = power (RMS)
7. Sweep time = auto couple
8. Trace was averaged over 100 sweeps

Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Test Setup

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

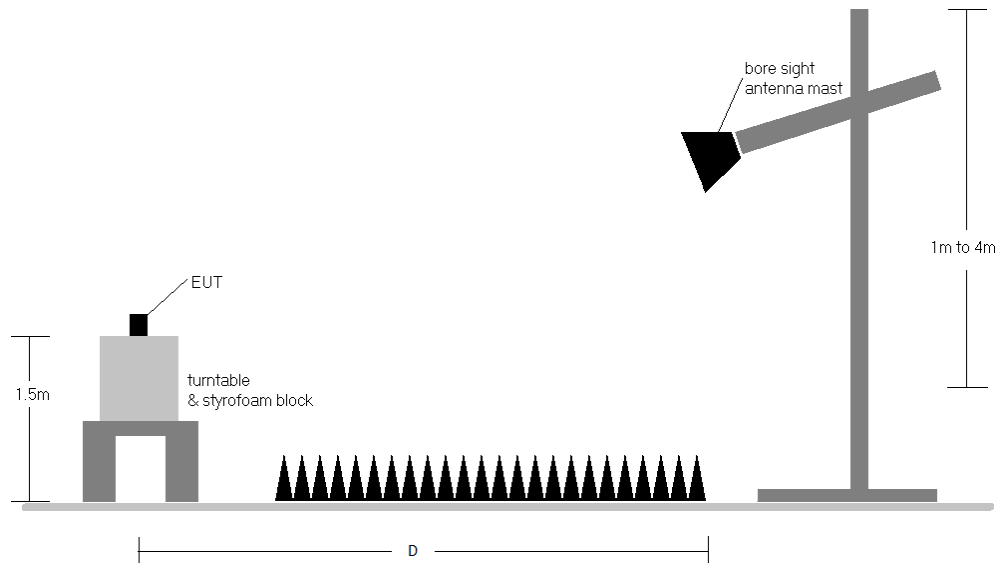


Figure 7-5. Test Instrument & Measurement Setup

FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 131 of 176

V 10.6 9/14/2023

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 Materials Technology. 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 7-28.
2. All spurious emissions lying in restricted bands specified in §15.205 are below the limit shown in Table 7-28. All spurious emissions that do not lie in a restricted band are subject to a peak limit of -27dBm/MHz. At a distance of 3 meters, the field strength limit in dB μ V/m can be determined by adding a “conversion” factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dB μ V/m.
3. The antenna is manipulated through typical positions, polarity and length during the tests. The EUT is manipulated through three orthogonal planes.
4. This unit was tested with its standard battery.
5. The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter using CISPR quasi peak detector below 1GHz. Above 1 GHz, average and peak measurements were taken using linearly polarized horn antennas.
6. D is the measurement test distance and emissions 1-18GHz were measured at a 3 meters test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
7. The “-” shown in the following RSE tables are used to denote a noise floor measurement.
8. All supported modulation and power schemes have been tested on the unit and only worst case configuration is reported.

Sample Calculations

Determining Spurious Emissions Levels

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

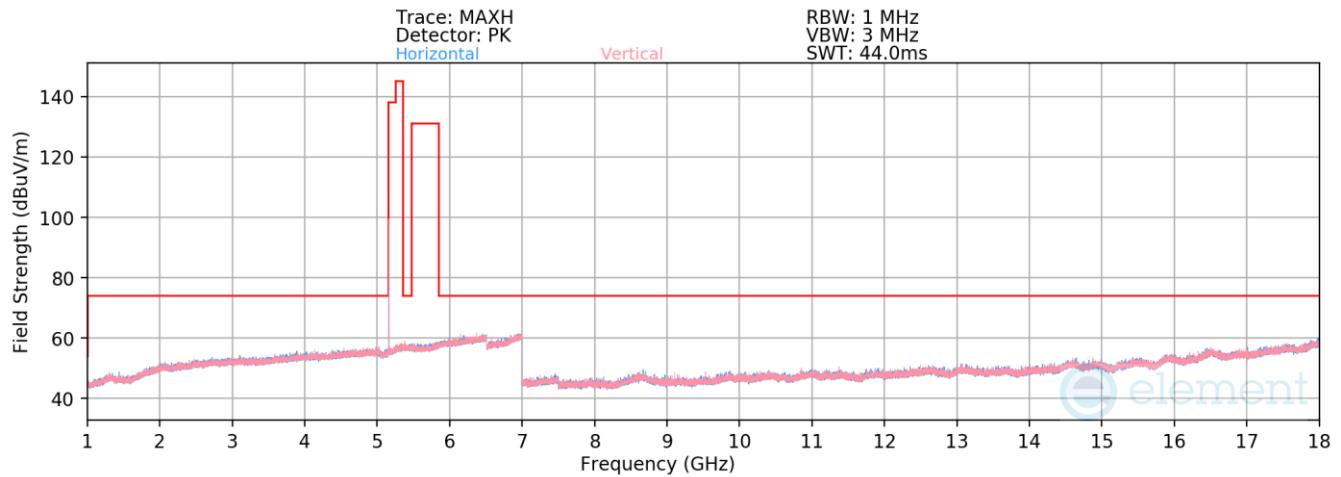
Radiated Band Edge Measurement Offset

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

FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 132 of 176

V 10.6 9/14/2023

7.6.1 Antenna 3c Radiated Spurious Emission (1-18GHz)



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

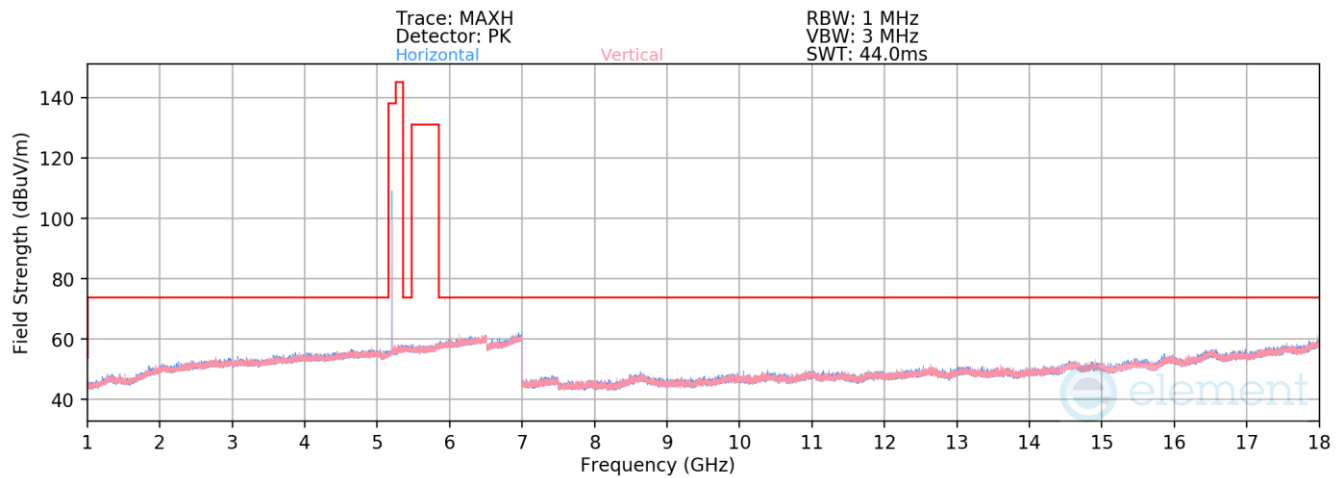
Mode:	HDR4
Data Rate:	4Mbps
Distance of Measurements:	3 Meters
Operating Frequency:	5162MHz

	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	-	-	-68.91	10.89	48.98	68.20	-19.22
*	15486.00	Average	H	-	-	-81.92	17.60	42.68	53.98	-11.30
*	15486.00	Peak	H	-	-	-70.21	17.60	54.39	73.98	-19.59

Table 7-29. Radiated Spurious Emissions Measurements Antenna 3c

FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 133 of 176

V 10.6 9/14/2023



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

Mode: HDR4

Data Rate: 4Mbps

Distance of Measurements: 3 Meters

Operating Frequency: 5204MHz

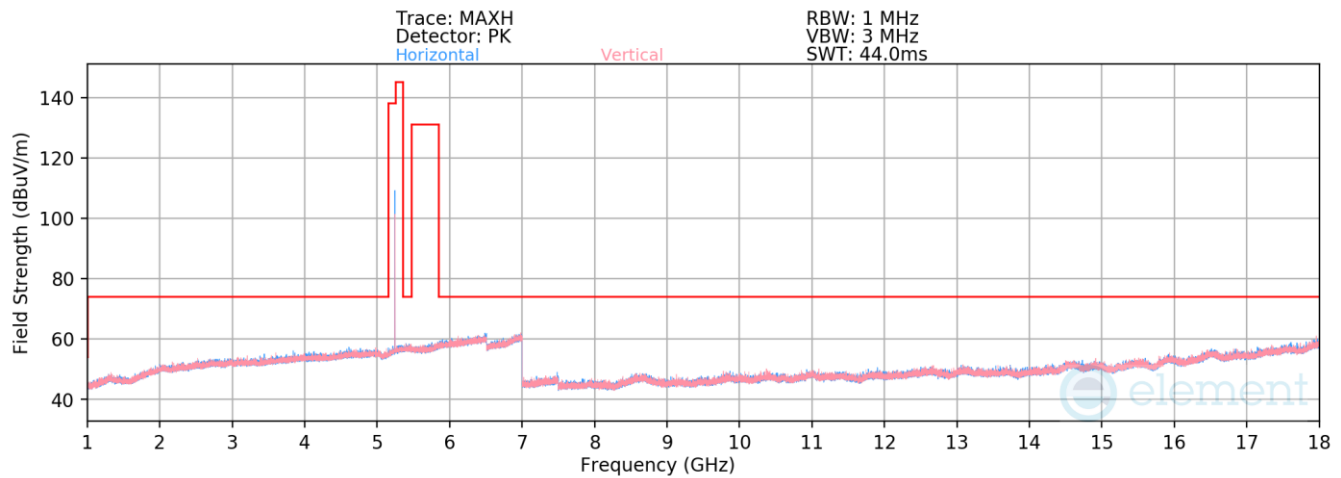
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
10408.00	Peak	H	-	-	-68.72	11.22	49.50	68.20	-18.70
* 15612.00	Average	H	-	-	-81.76	17.12	42.36	53.98	-11.62
* 15612.00	Peak	H	-	-	-69.35	17.12	54.77	73.98	-19.21

Table 7-30. Radiated Spurious Emissions Measurements Antenna 3c

FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 134 of 176

V 10.6 9/14/2023

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

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

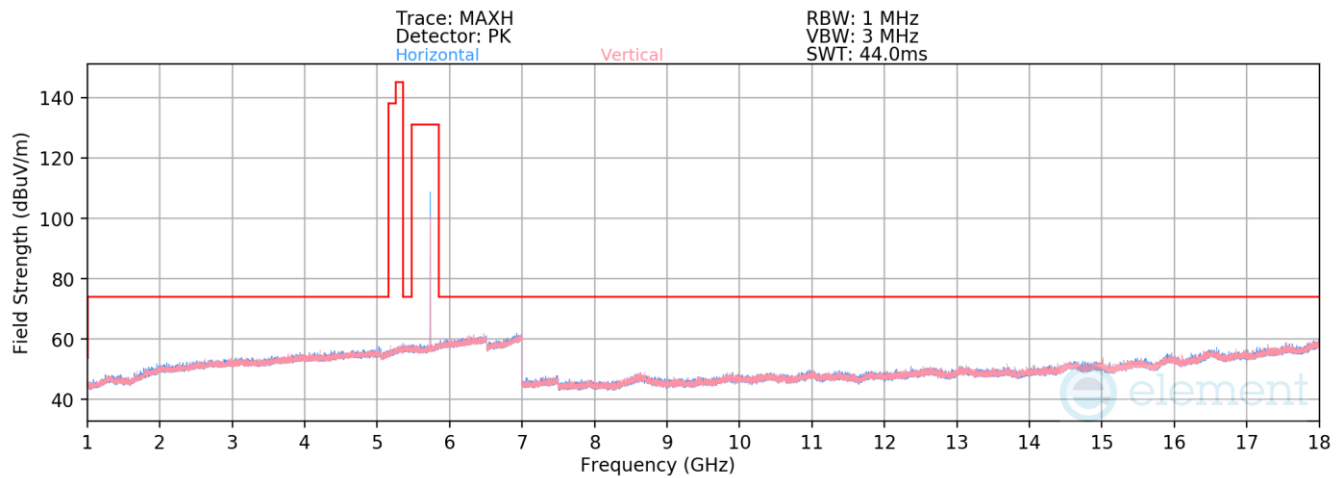
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
10490.00	Peak	H	-	-	-69.00	11.32	49.32	68.20	-18.88
* 15735.00	Average	H	-	-	-81.92	16.83	41.91	53.98	-12.07
* 15735.00	Peak	H	-	-	-70.19	16.83	53.64	73.98	-20.34

Table 7-31. Radiated Spurious Emissions Measurements Antenna 3c

FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 135 of 176

V 10.6 9/14/2023

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

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

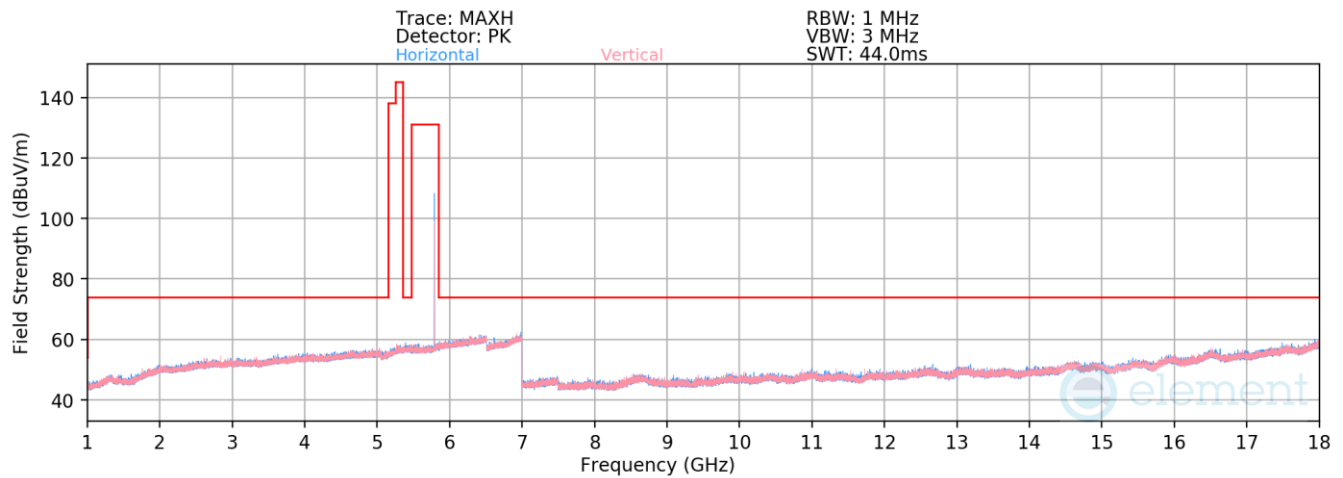
	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
*	11466.00	Average	H	-	-	-80.74	12.01	38.27	53.98	-15.71
*	11466.00	Peak	H	-	-	-68.82	12.01	50.19	73.98	-23.79
	17199.00	Peak	H	-	-	-70.97	20.85	56.88	68.20	-11.32

Table 7-32. Radiated Spurious Emissions Measurements Antenna 3c

FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 136 of 176

V 10.6 9/14/2023

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

Mode: HDR4

Data Rate: 4Mbps

Distance of Measurements: 3 Meters

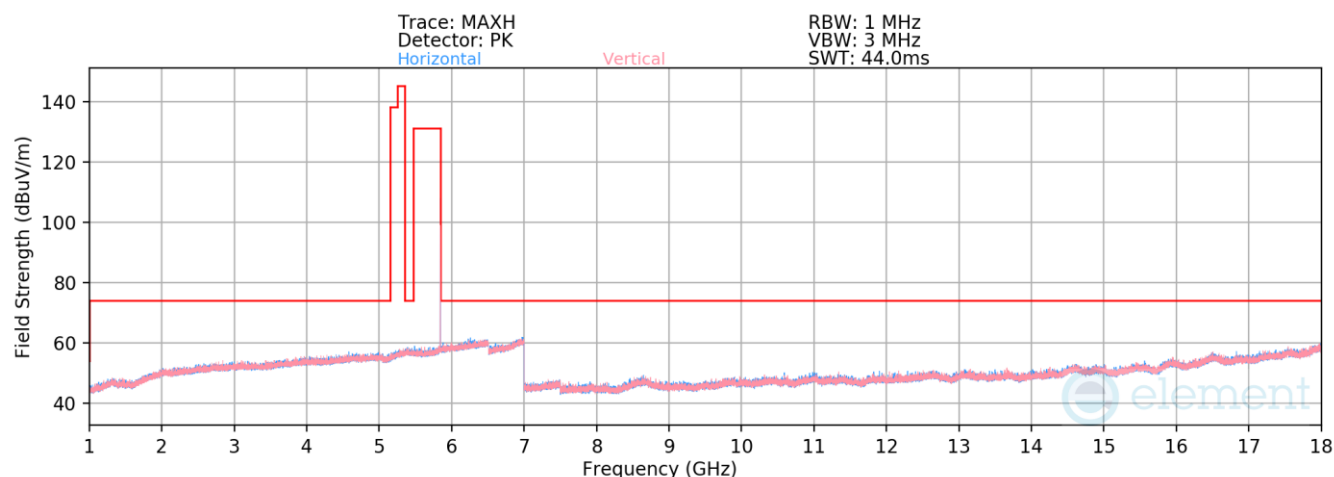
Operating Frequency: 5789MHz

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
*	11578.00	Average	H	-	-	-81.07	12.04	37.97	53.98	-16.01
*	11578.00	Peak	H	-	-	-69.13	12.04	49.91	73.98	-24.07
	17367.00	Peak	H	-	-	-70.05	21.09	58.04	68.20	-10.16

Table 7-33. Radiated Spurious Emissions Measurements Antenna 3c

FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 137 of 176

V 10.6 9/14/2023



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

Mode: HDR4

Data Rate: 4Mbps

Distance of Measurements: 3 Meters

Operating Frequency: 5844MHz

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
*	11688.00	Average	H	-	-	-81.33	12.05	37.72	53.98	-16.26
*	11688.00	Peak	H	-	-	-69.55	12.05	49.50	73.98	-24.48
	17532.00	Peak	H	-	-	-70.86	22.29	58.43	68.20	-9.77

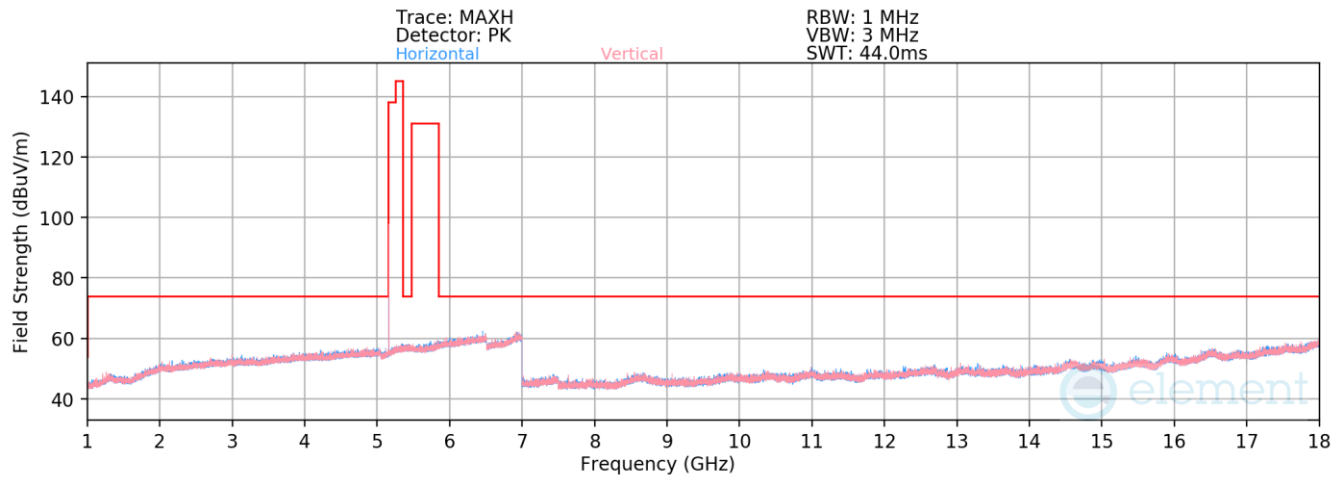
Table 7-34. Radiated Spurious Emissions Measurements Antenna 3c

FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 138 of 176

V 10.6 9/14/2023

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 Materials Technology. 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 3a Radiated Spurious Emission (1-18GHz)



Plot 7-181. Radiated Spurious Emissions 1-18GHz Antenna 3a (HDR4, ePA – 5162MHz)

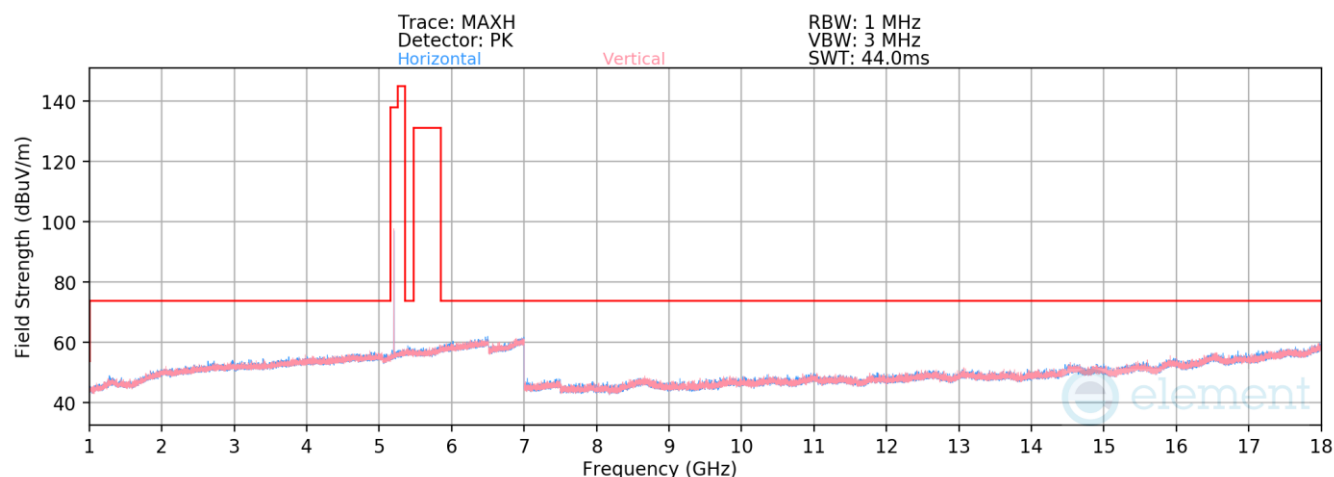
Mode:	HDR4
Data Rate:	4Mbps
Distance of Measurements:	3 Meters
Operating Frequency:	5162MHz

	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	-	-	-69.38	10.89	48.51	68.20	-19.69
*	15486.00	Average	H	-	-	-81.96	17.60	42.64	53.98	-11.34
*	15486.00	Peak	H	-	-	-70.57	17.60	54.03	73.98	-19.95

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

FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 139 of 176

V 10.6 9/14/2023



Plot 7-182. Radiated Spurious Emissions 1-18GHz Antenna 3a (HDR4, ePA – 5204MHz)

Mode: HDR4

Data Rate: 4Mbps

Distance of Measurements: 3 Meters

Operating Frequency: 5204MHz

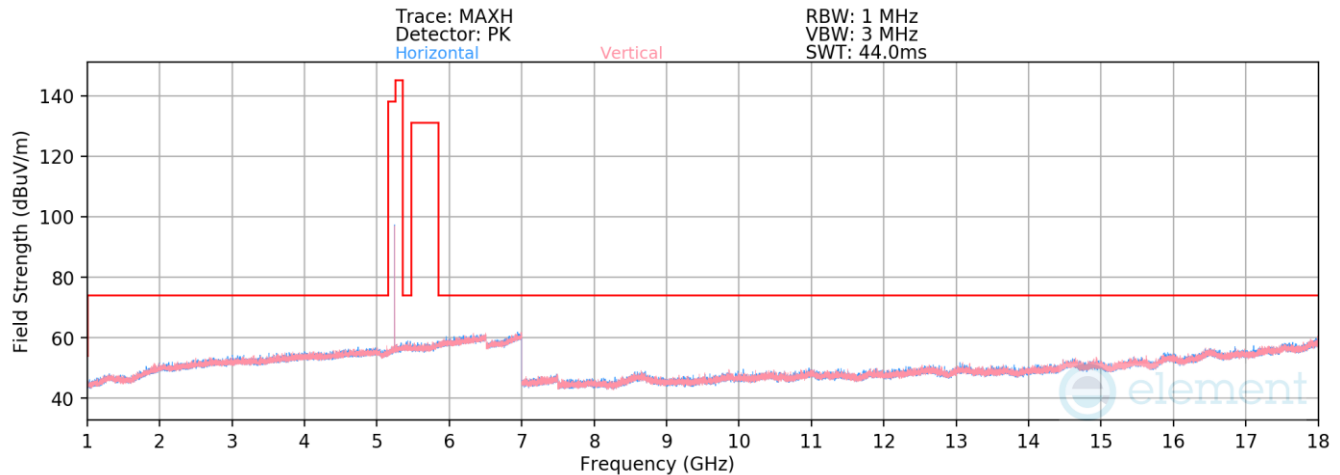
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
10408.00	Peak	H	-	-	-68.99	11.22	49.23	68.20	-18.97
* 15612.00	Average	H	-	-	-81.85	17.12	42.27	53.98	-11.71
* 15612.00	Peak	H	-	-	-70.38	17.12	53.74	73.98	-20.24

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

FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 140 of 176

V 10.6 9/14/2023

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 Materials Technology. 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 7-183. Radiated Spurious Emissions 1-18GHz Antenna 3a (HDR4, ePA – 5245MHz)

Mode: HDR4

Data Rate: 4Mbps

Distance of Measurements: 3 Meters

Operating Frequency: 5245MHz

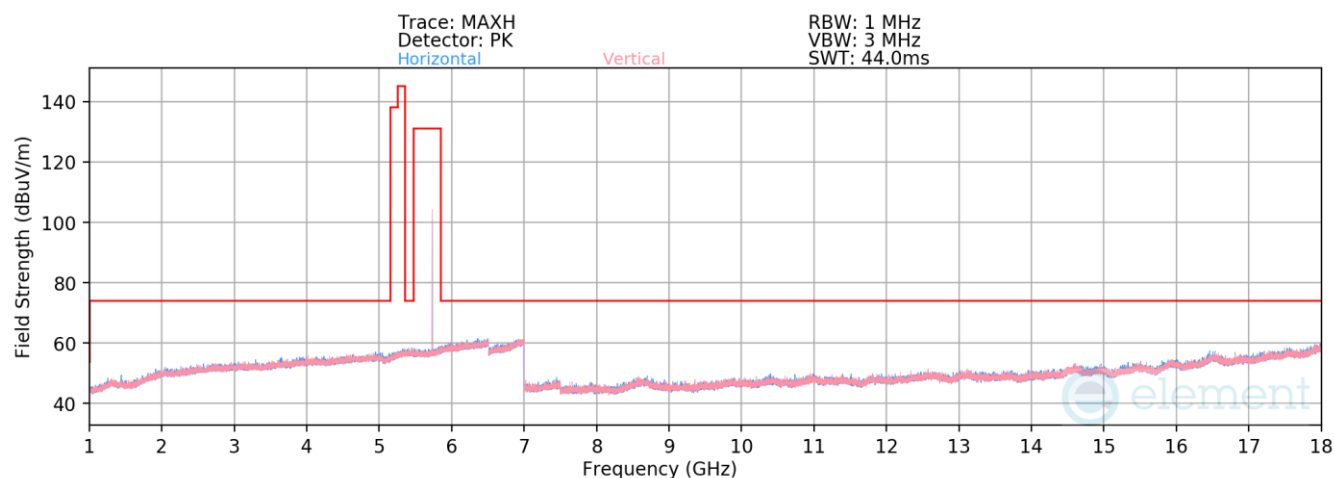
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
10490.00	Peak	H	-	-	-69.11	11.32	49.21	68.20	-18.99
* 15735.00	Average	H	-	-	-82.19	16.83	41.64	53.98	-12.34
* 15735.00	Peak	H	-	-	-70.44	16.83	53.39	73.98	-20.59

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

FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 141 of 176

V 10.6 9/14/2023

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 Materials Technology. 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 7-184. Radiated Spurious Emissions 1-18GHz Antenna 3a (HDR4, ePA – 5733MHz)

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

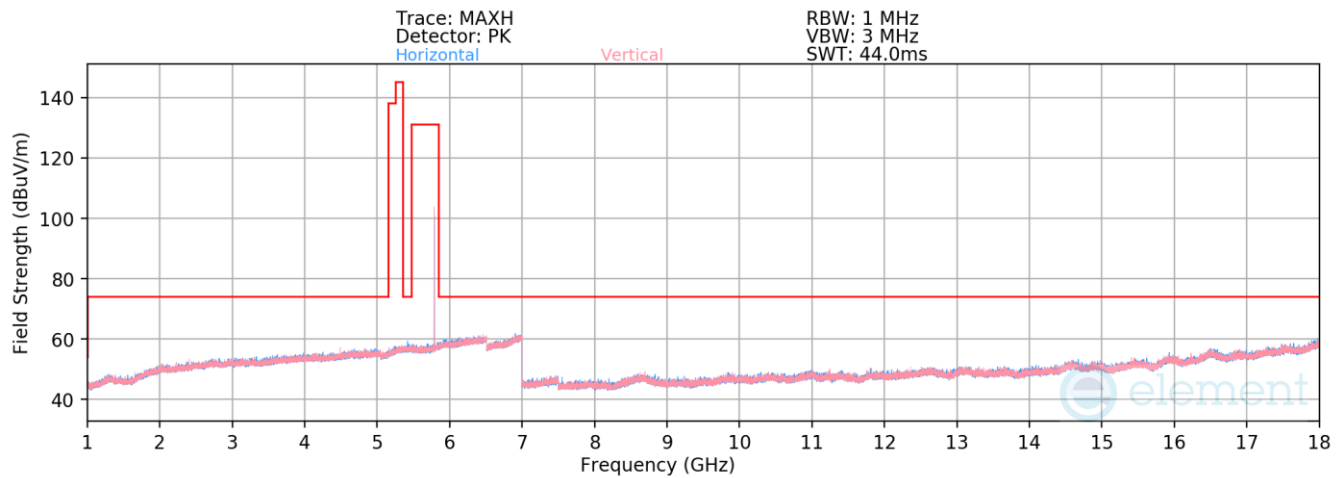
	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
*	11466.00	Average	H	-	-	-80.94	12.01	38.07	53.98	-15.91
*	11466.00	Peak	H	-	-	-69.39	12.01	49.62	73.98	-24.36
	17199.00	Peak	H	-	-	-70.56	20.85	57.29	68.20	-10.91

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

FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 142 of 176

V 10.6 9/14/2023

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 Materials Technology. 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 7-185. Radiated Spurious Emissions 1-18GHz Antenna 3a (HDR4, ePA – 5789MHz)

Mode: HDR4

Data Rate: 4Mbps

Distance of Measurements: 3 Meters

Operating Frequency: 5789MHz

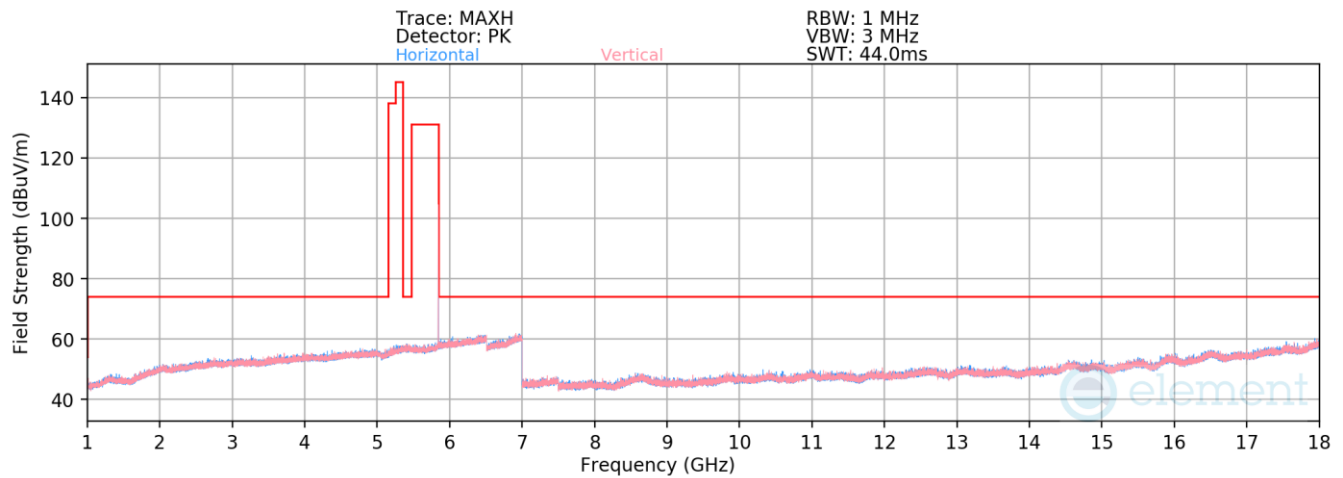
	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
*	11578.00	Average	H	-	-	-80.86	12.04	38.18	53.98	-15.80
*	11578.00	Peak	H	-	-	-68.58	12.04	50.46	73.98	-23.52
	17367.00	Peak	H	-	-	-70.85	21.09	57.24	68.20	-10.96

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

FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 143 of 176

V 10.6 9/14/2023

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 Materials Technology. 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 7-186. Radiated Spurious Emissions 1-18GHz Antenna 3a (HDR4, ePA – 5844MHz)

Mode: HDR4

Data Rate: 4Mbps

Distance of Measurements: 3 Meters

Operating Frequency: 5844MHz

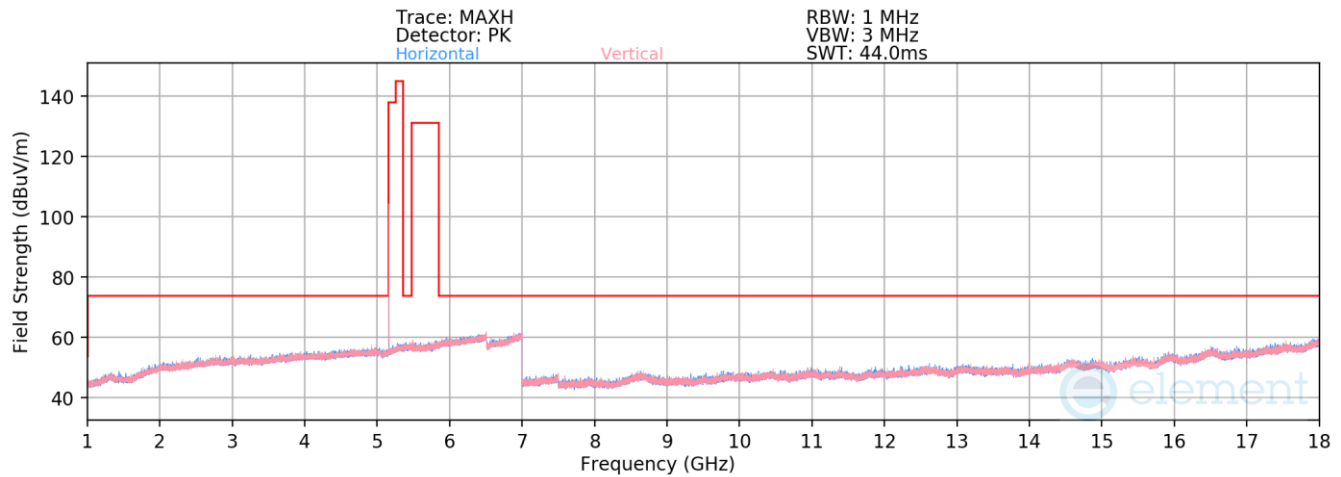
	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
*	11688.00	Average	H	-	-	-81.32	12.05	37.73	53.98	-16.25
*	11688.00	Peak	H	-	-	-69.75	12.05	49.30	73.98	-24.68
	17532.00	Peak	H	-	-	-70.86	22.29	58.43	68.20	-9.77

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

FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 144 of 176

V 10.6 9/14/2023

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



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

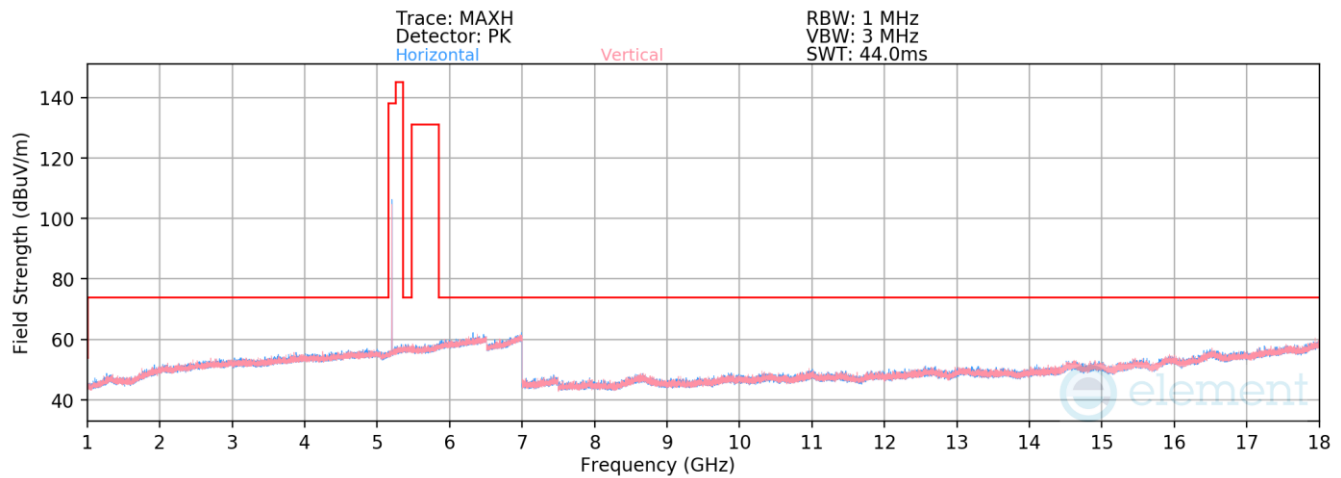
Mode:	HDR4
Data Rate:	4Mbps
Distance of Measurements:	3 Meters
Operating Frequency:	5162MHz

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
	10324.00	Peak	H	-	-	-68.33	10.89	49.56	68.20	-18.64
*	15486.00	Average	H	-	-	-81.97	17.60	42.63	53.98	-11.35
*	15486.00	Peak	H	-	-	-70.31	17.60	54.29	73.98	-19.69

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

FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 145 of 176

V 10.6 9/14/2023



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

Mode: HDR4

Data Rate: 4Mbps

Distance of Measurements: 3 Meters

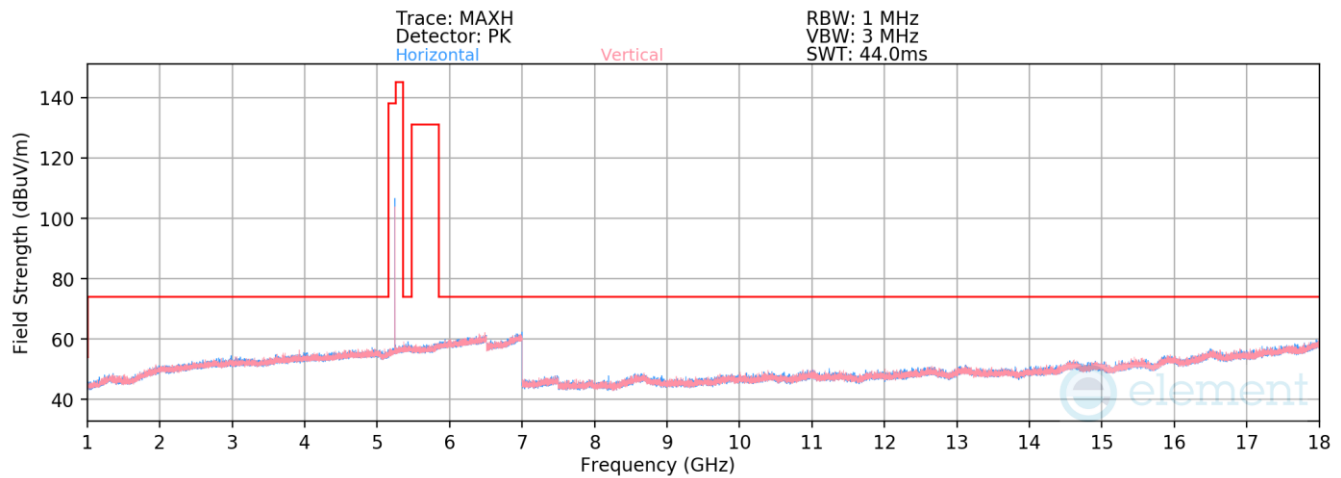
Operating Frequency: 5204MHz

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
10408.00	Peak	H	-	-	-68.67	11.22	49.55	68.20	-18.65
* 15612.00	Average	H	-	-	-81.92	17.12	42.20	53.98	-11.78
* 15612.00	Peak	H	-	-	-70.13	17.12	53.99	73.98	-19.99

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

FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 146 of 176

V 10.6 9/14/2023



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

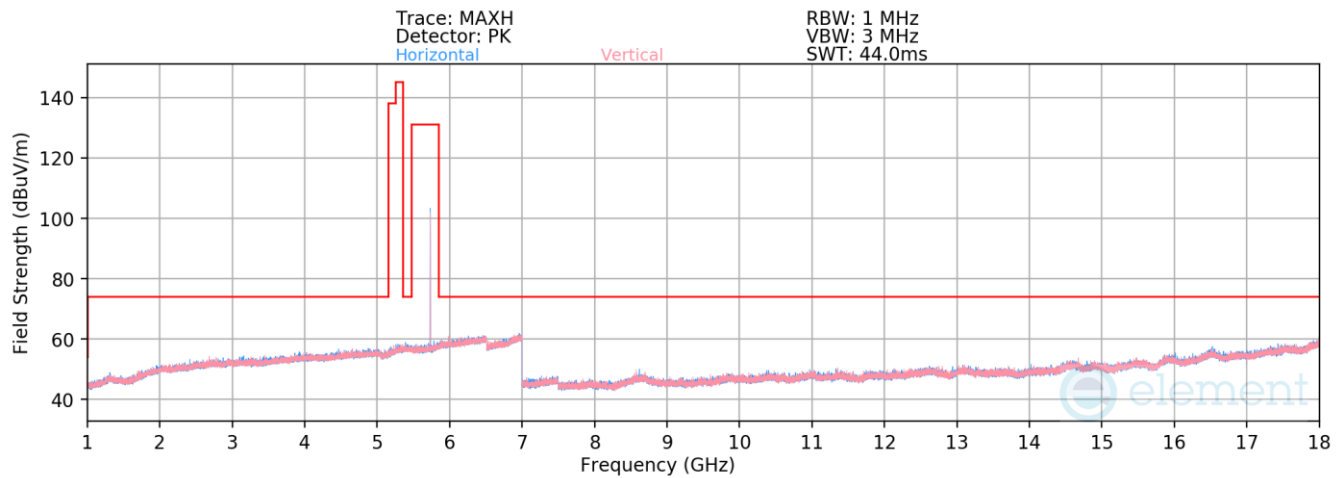
Mode: HDR4
Data Rate: 4Mbps
Distance of Measurements: 3 Meters
Operating Frequency: 5245MHz

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
10490.00	Peak	H	-	-	-68.94	11.32	49.38	68.20	-18.82
* 15735.00	Average	H	-	-	-82.08	16.83	41.75	53.98	-12.23
* 15735.00	Peak	H	-	-	-70.71	16.83	53.12	73.98	-20.86

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

FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 147 of 176

V 10.6 9/14/2023



Plot 7-190. Radiated Spurious Emissions 1-18GHz Antenna 1b (HDR4, ePA – 5733MHz)

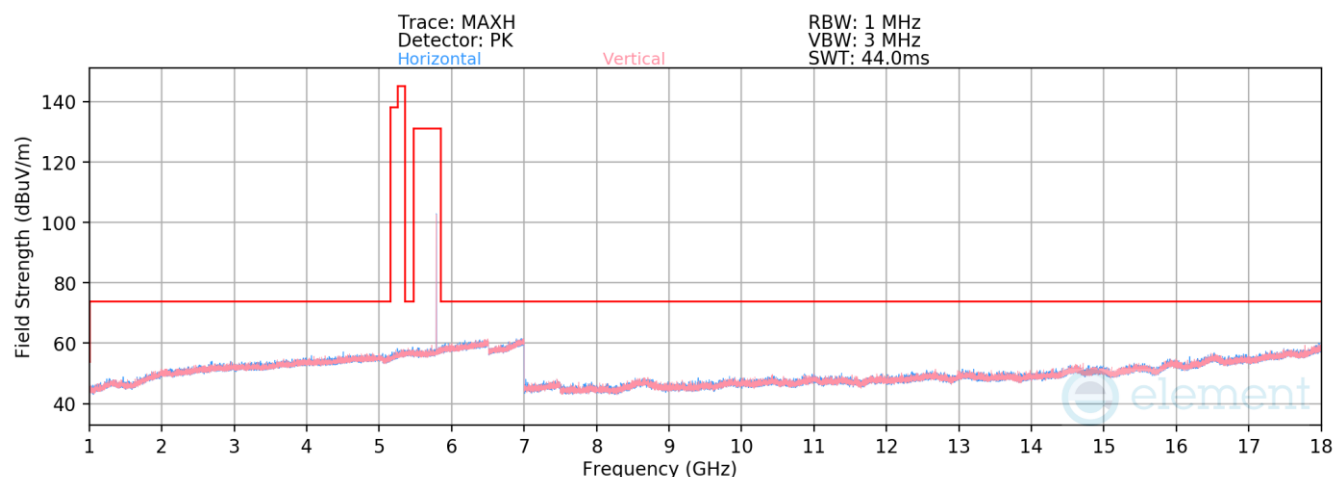
Mode: HDR4
Data Rate: 4Mbps
Distance of Measurements: 3 Meters
Operating Frequency: 5733MHz

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
*	11466.00	Average	H	-	-	-80.76	12.01	38.25	53.98	-15.73
*	11466.00	Peak	H	-	-	-69.17	12.01	49.84	73.98	-24.14
	17199.00	Peak	H	-	-	-70.15	20.85	57.70	68.20	-10.50

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

FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 148 of 176

V 10.6 9/14/2023



Plot 7-191. Radiated Spurious Emissions 1-18GHz Antenna 1b (HDR4, ePA – 5789MHz)

Mode: HDR4

Data Rate: 4Mbps

Distance of Measurements: 3 Meters

Operating Frequency: 5789MHz

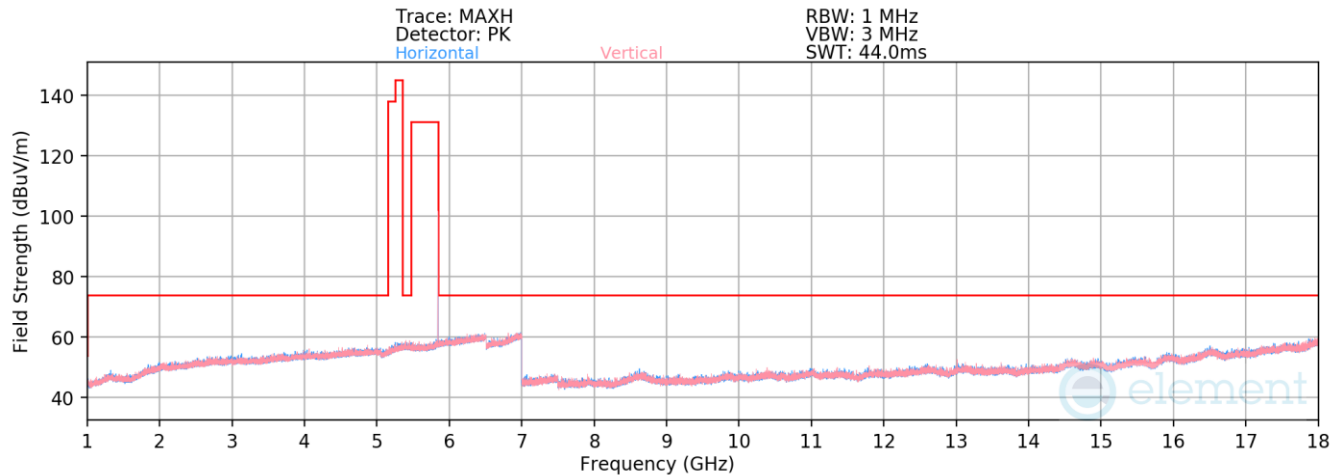
	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
*	11578.00	Average	H	-	-	-80.95	12.04	38.09	53.98	-15.89
*	11578.00	Peak	H	-	-	-69.17	12.04	49.87	73.98	-24.11
	17367.00	Peak	H	-	-	-70.64	21.09	57.45	68.20	-10.75

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

FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 149 of 176

V 10.6 9/14/2023

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 Materials Technology. 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 7-192. Radiated Spurious Emissions 1-18GHz Antenna 1b (HDR4, ePA – 5844MHz)

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

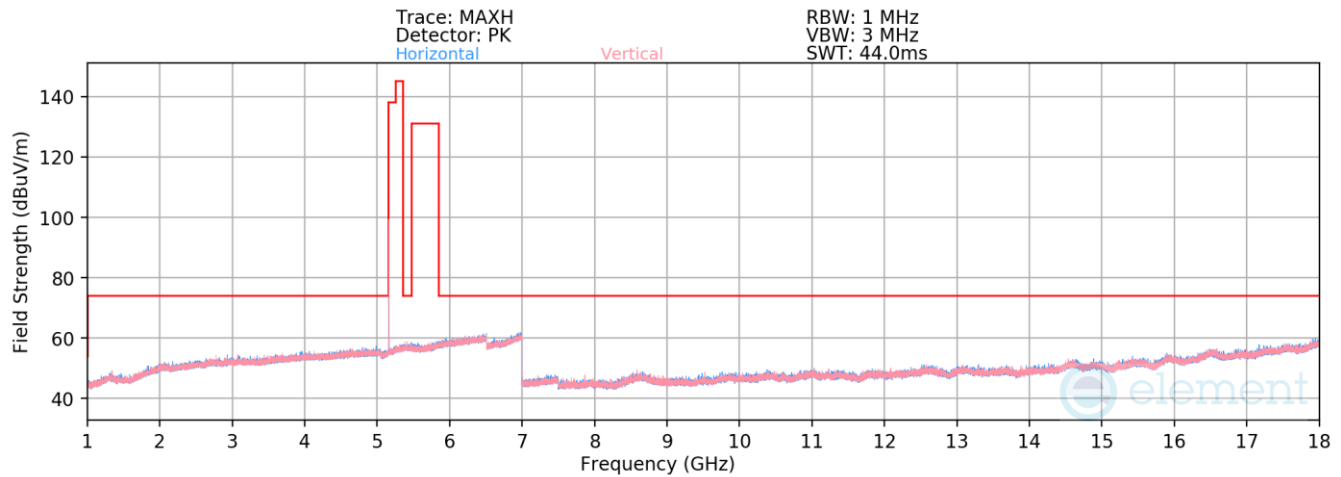
	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
*	11688.00	Average	H	-	-	-81.40	12.05	37.65	53.98	-16.33
*	11688.00	Peak	H	-	-	-70.19	12.05	48.86	73.98	-25.12
	17532.00	Peak	H	-	-	-70.52	22.29	58.77	68.20	-9.43

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

FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 150 of 176

V 10.6 9/14/2023

7.6.4 TxBF Radiated Spurious Emission (Above 1GHz)



Plot 7-193. Radiated Spurious Emissions 1-18GHz TxBF (HDR4, ePA – 5162MHz)

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

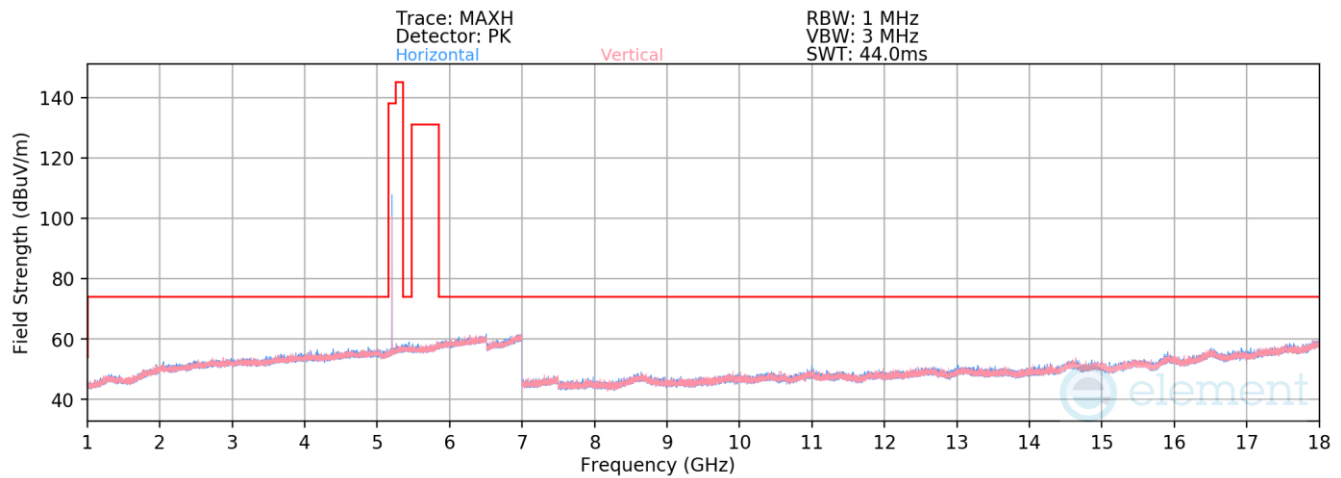
	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
	10324.00	Peak	H	-	-	-68.25	10.89	49.64	68.20	-18.56
*	15486.00	Average	H	-	-	-81.92	17.60	42.68	53.98	-11.30
*	15486.00	Peak	H	-	-	-69.65	17.60	54.95	73.98	-19.03

Table 7-47. Radiated Spurious Emissions Measurements TxBF

FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 151 of 176

V 10.6 9/14/2023

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 Materials Technology. 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 7-194. Radiated Spurious Emissions 1-18GHz TxBF (HDR4, ePA - 5204MHz)

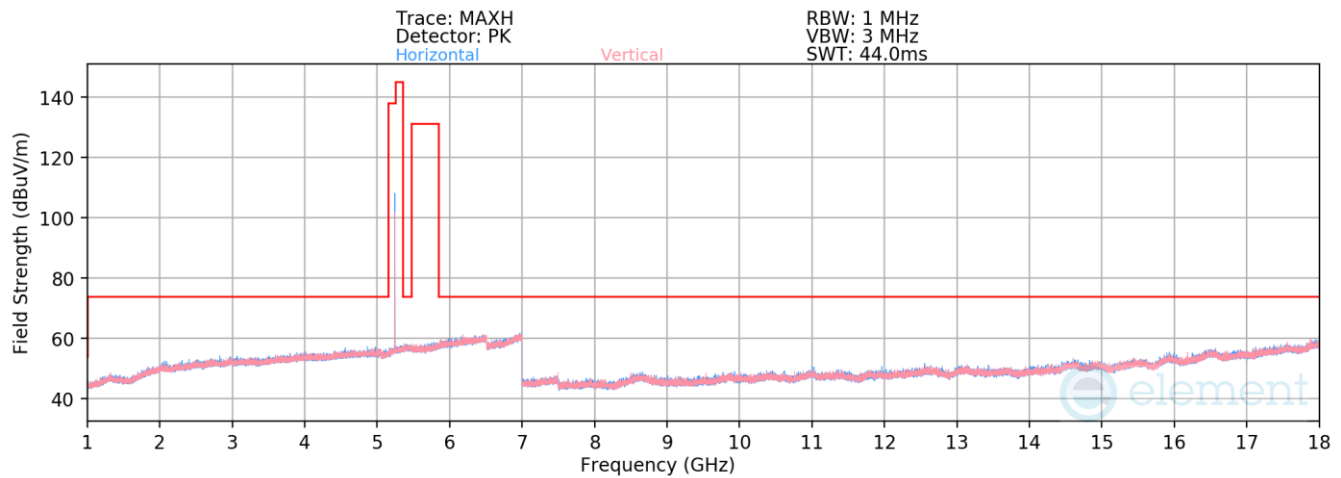
Mode: HDR4
Data Rate: 4Mbps
Distance of Measurements: 3 Meters
Operating Frequency: 5204MHz

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
10408.00	Peak	H	-	-	-68.48	11.22	49.74	68.20	-18.46
* 15612.00	Average	H	-	-	-81.76	17.12	42.36	53.98	-11.62
* 15612.00	Peak	H	-	-	-70.27	17.12	53.85	73.98	-20.13

Table 7-48. Radiated Spurious Emissions Measurements TxBF

FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 152 of 176

V 10.6 9/14/2023



Plot 7-195. Radiated Spurious Emissions 1-18GHz TxBF (HDR4, ePA - 5245MHz)

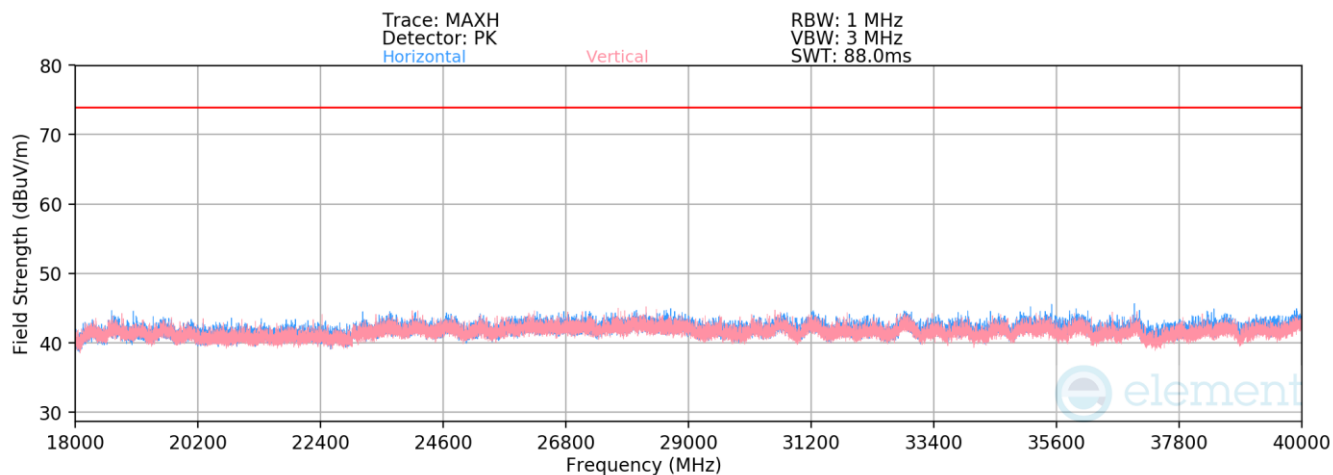
Mode: HDR4
Data Rate: 4Mbps
Distance of Measurements: 3 Meters
Operating Frequency: 5245MHz

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
10490.00	Peak	H	-	-	-69.14	11.32	49.18	68.20	-19.02
* 15735.00	Average	H	-	-	-81.97	16.83	41.86	53.98	-12.12
* 15735.00	Peak	H	-	-	-70.13	16.83	53.70	73.98	-20.28

Table 7-49. Radiated Spurious Emissions Measurements TxBF

FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 153 of 176

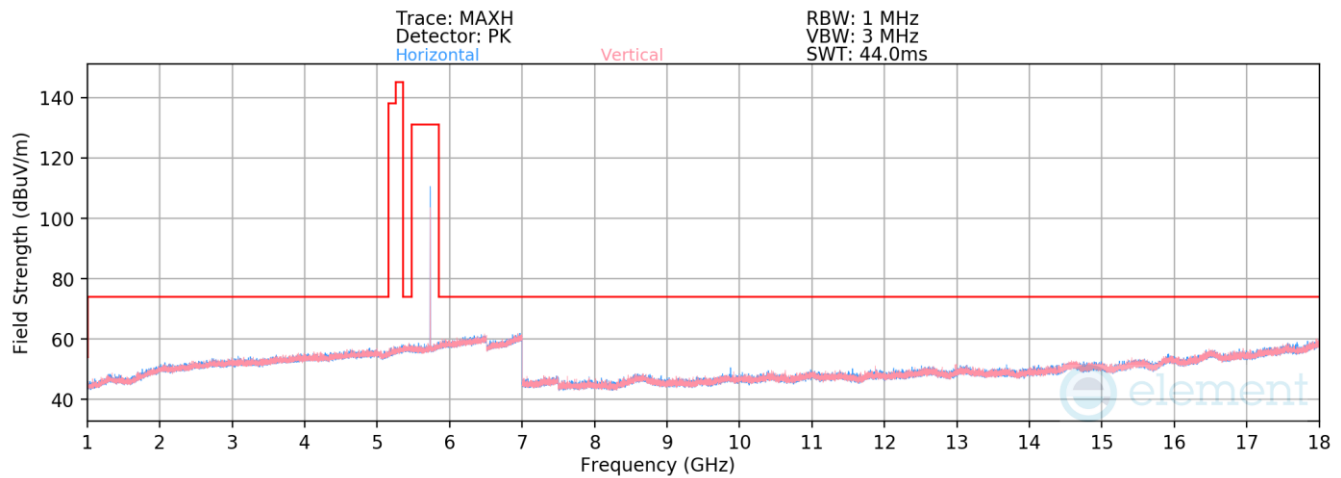
V 10.6 9/14/2023



Plot 7-196. Radiated Spurious Emissions Above 18GHz TxBF (HDR4, ePA – 5245MHz)

FCC ID: BCGA2903 IC: 579C-A2903	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 154 of 176

V 10.6 9/14/2023



Plot 7-197. Radiated Spurious Emissions 1-18GHz TxBF (HDR4, ePA - 5733MHz)

Mode: HDR4

Data Rate: 4Mbps

Distance of Measurements: 3 Meters

Operating Frequency: 5733MHz

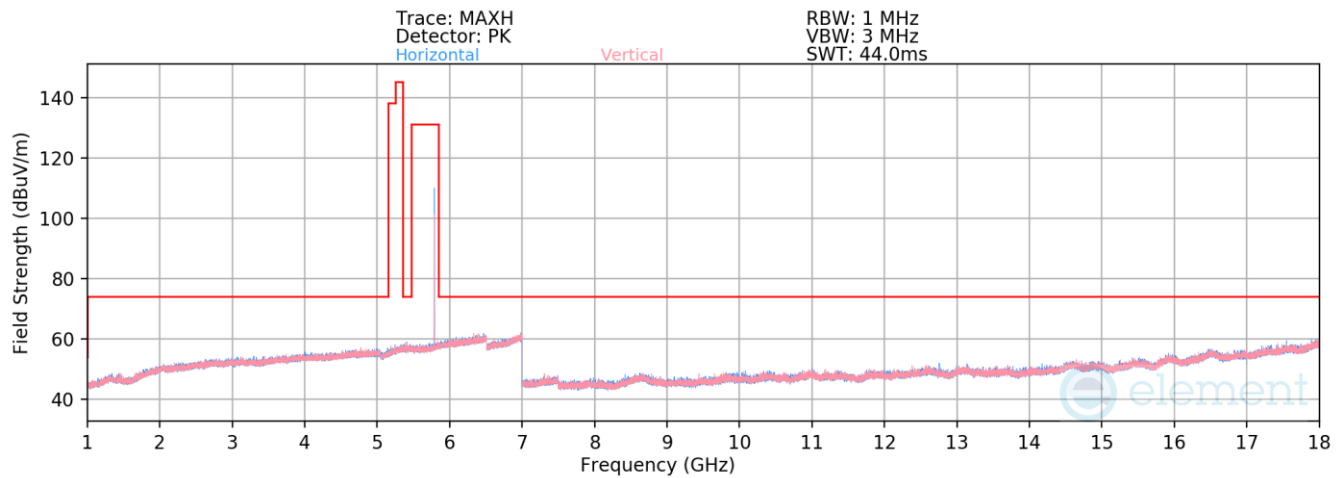
	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
*	11466.00	Average	H	-	-	-80.80	12.01	38.21	53.98	-15.77
*	11466.00	Peak	H	-	-	-69.48	12.01	49.53	73.98	-24.45
	17199.00	Peak	H	-	-	-70.66	20.85	57.19	68.20	-11.01

Table 7-50. Radiated Spurious Emissions Measurements TxBF

FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 155 of 176

V 10.6 9/14/2023

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 Materials Technology. 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 7-198. Radiated Spurious Emissions 1-18GHz TxBF (HDR4, ePA – 5789MHz)

Mode: HDR4

Data Rate: 4Mbps

Distance of Measurements: 3 Meters

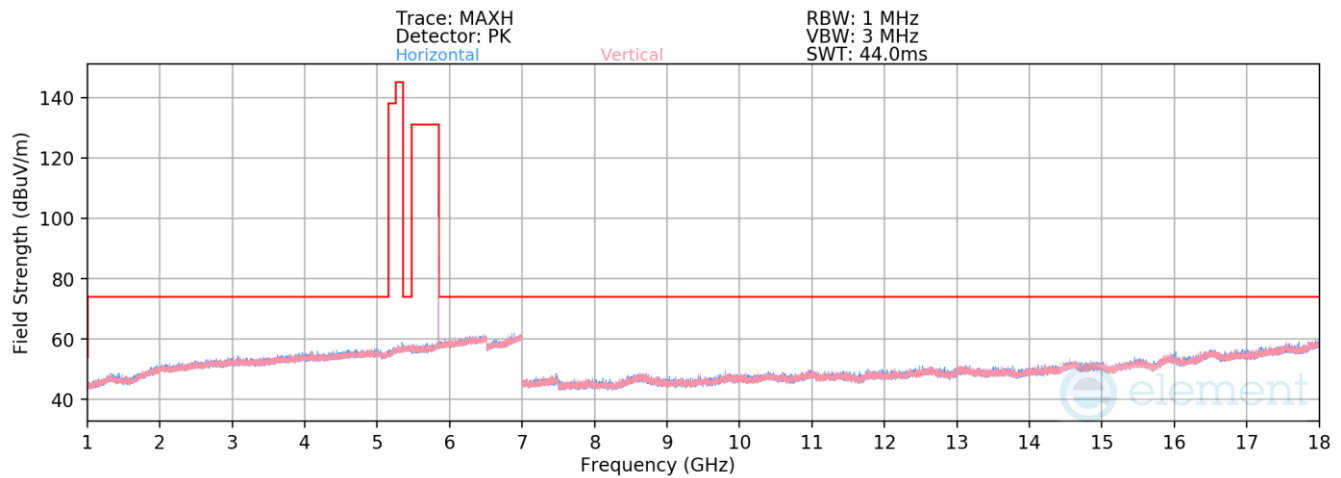
Operating Frequency: 5789MHz

	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
*	11578.00	Average	H	-	-	-80.86	12.04	38.18	53.98	-15.80
*	11578.00	Peak	H	-	-	-69.50	12.04	49.54	73.98	-24.44
	17367.00	Peak	H	-	-	-70.02	21.09	58.07	68.20	-10.13

Table 7-51. Radiated Spurious Emissions Measurements TxBF

FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 156 of 176

V 10.6 9/14/2023



Plot 7-199. Radiated Spurious Emissions 1-18GHz TxBF (HDR4, ePA – 5844MHz)

Mode: HDR4

Data Rate: 4Mbps

Distance of Measurements: 3 Meters

Operating Frequency: 5844MHz

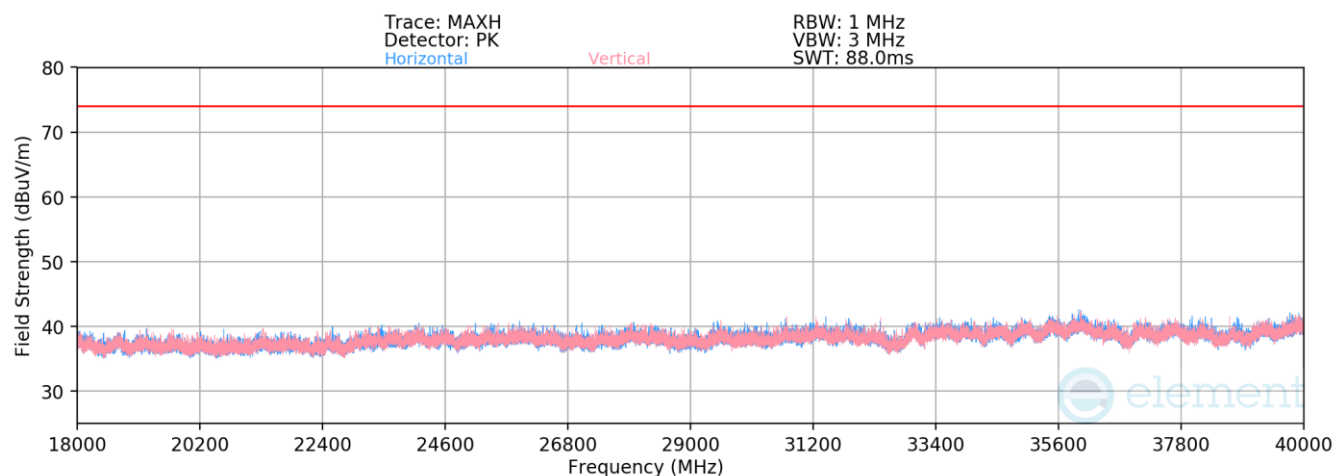
	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
*	11688.00	Average	H	-	-	-81.24	12.05	37.81	53.98	-16.17
*	11688.00	Peak	H	-	-	-69.72	12.05	49.33	73.98	-24.65
	17532.00	Peak	H	-	-	-70.85	22.29	58.44	68.20	-9.76

Table 7-52. Radiated Spurious Emissions Measurements TxBF

FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 157 of 176

V 10.6 9/14/2023

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 Materials Technology. 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 7-200. Radiated Spurious Emissions Above 18GHz TxBF (HDR4, ePA – 5844MHz)

FCC ID: BCGA2903 IC: 579C-A2903	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 158 of 176

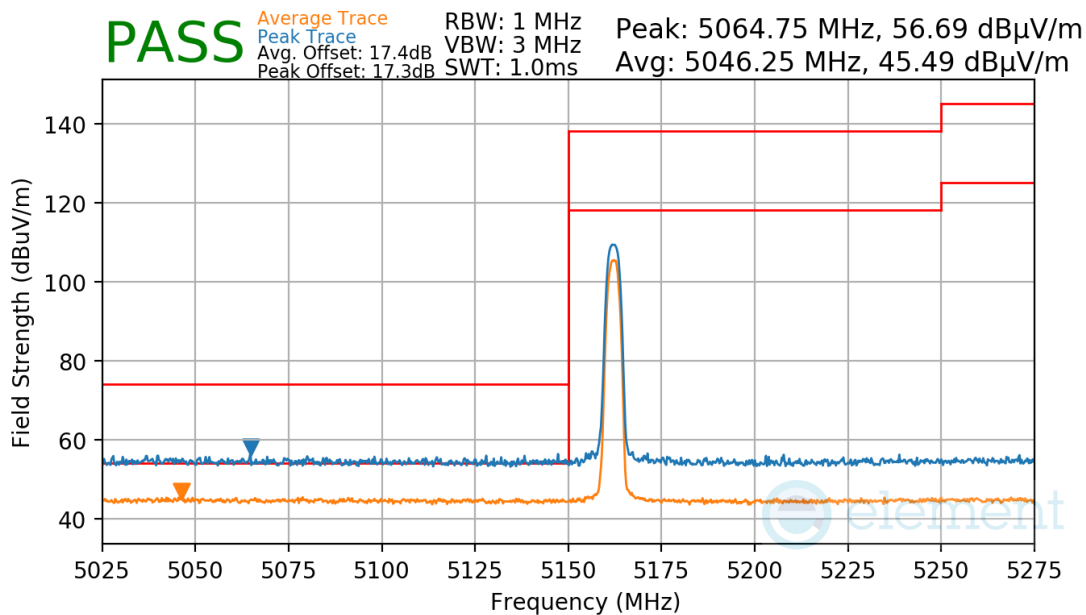
V 10.6 9/14/2023

7.6.5 Radiated Band Edge Measurements

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

Antenna 3c

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

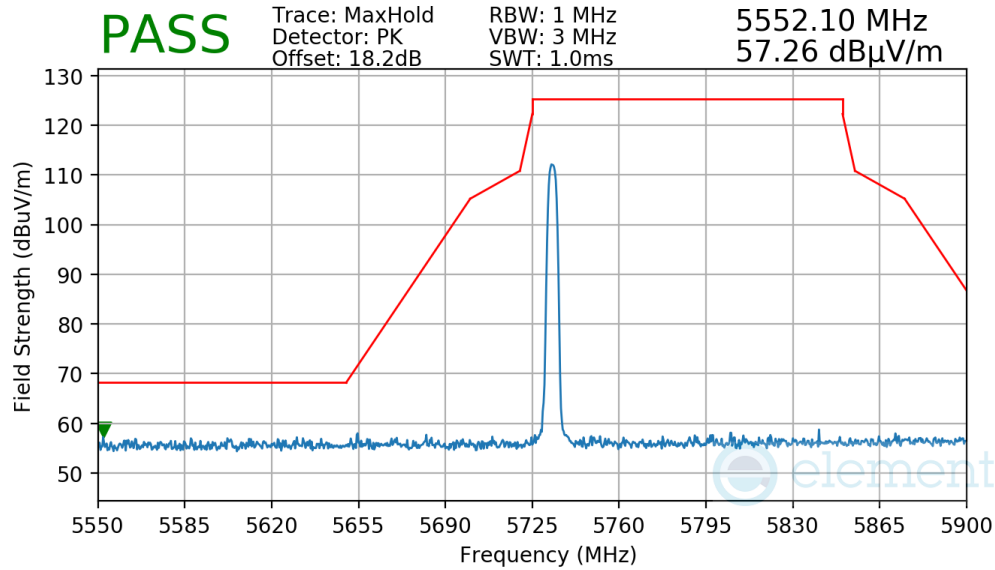


Plot 7-201. Radiated Lower Band Edge Measurement Antenna 3c

FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 159 of 176

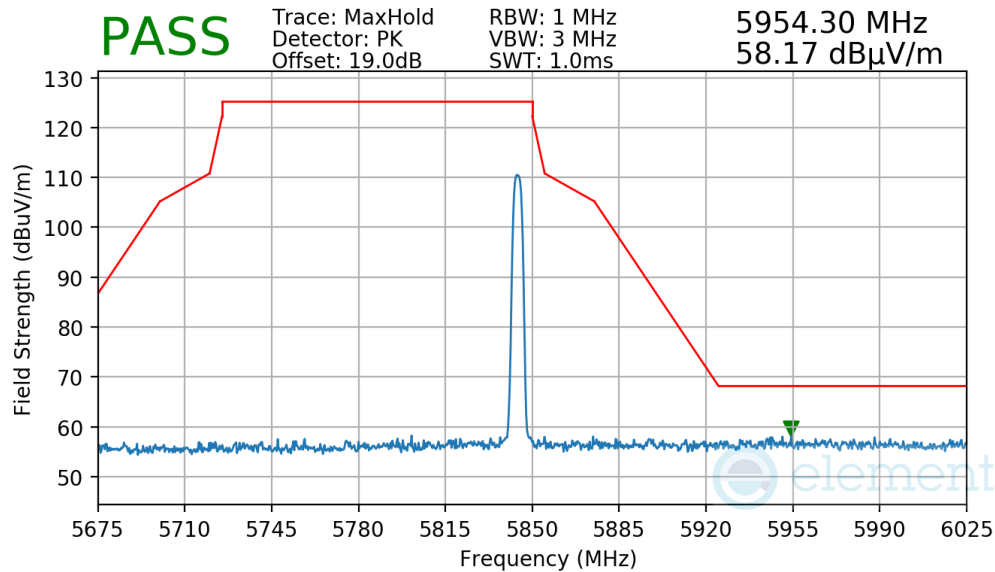
V 10.6 9/14/2023

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



Plot 7-202. Radiated Lower Band Edge Measurement Antenna 3c

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



Plot 7-203. Radiated Upper Band Edge Measurement Antenna 3c

FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 160 of 176

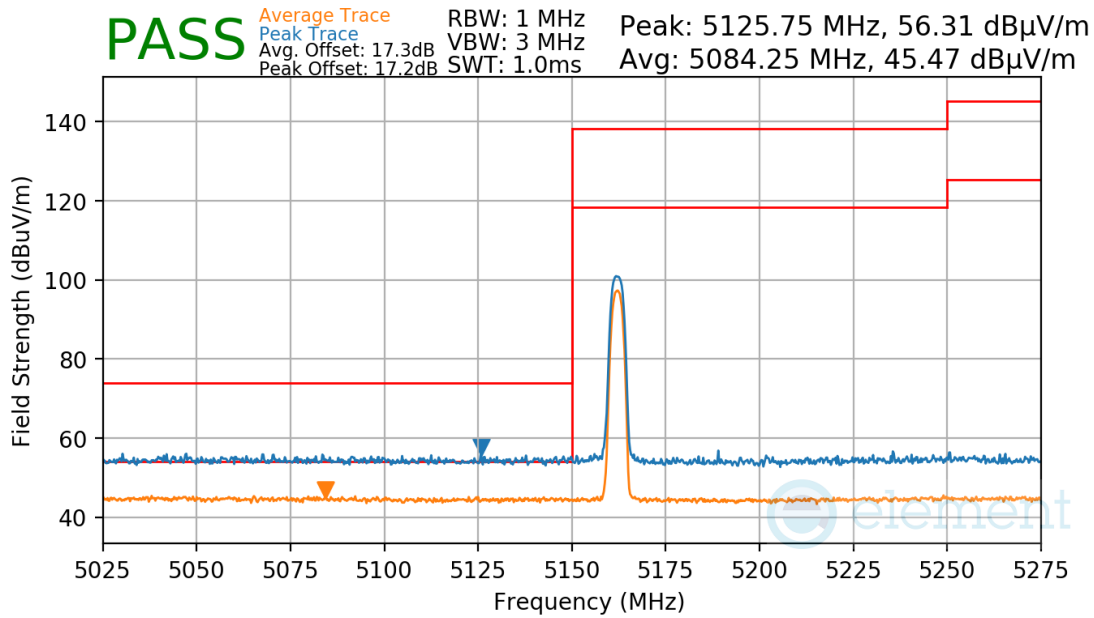
V 10.6 9/14/2023

Radiated Band Edge Measurements

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

Antenna 3a

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

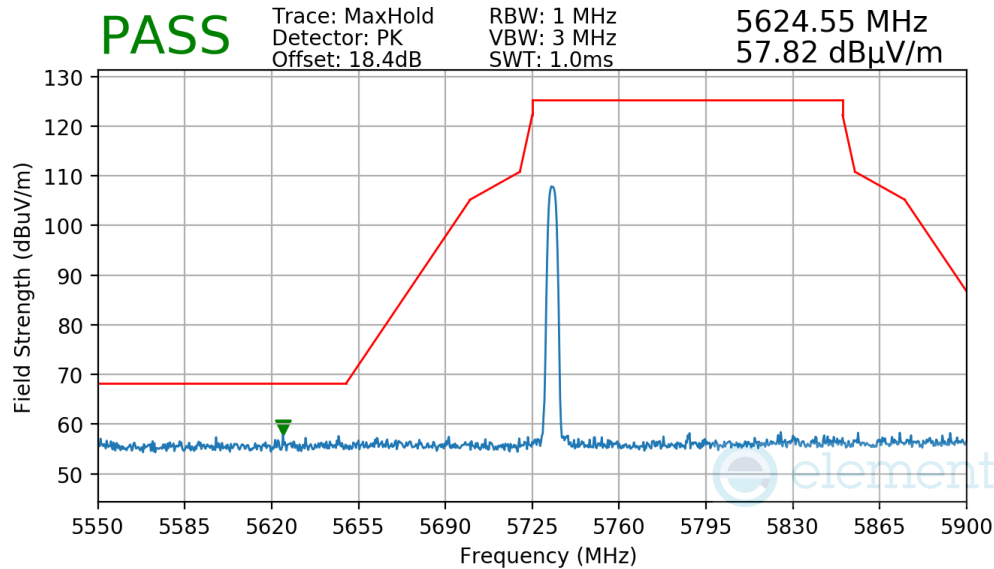


Plot 7-204. Radiated Lower Band Edge Measurement Antenna 3a

FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 161 of 176

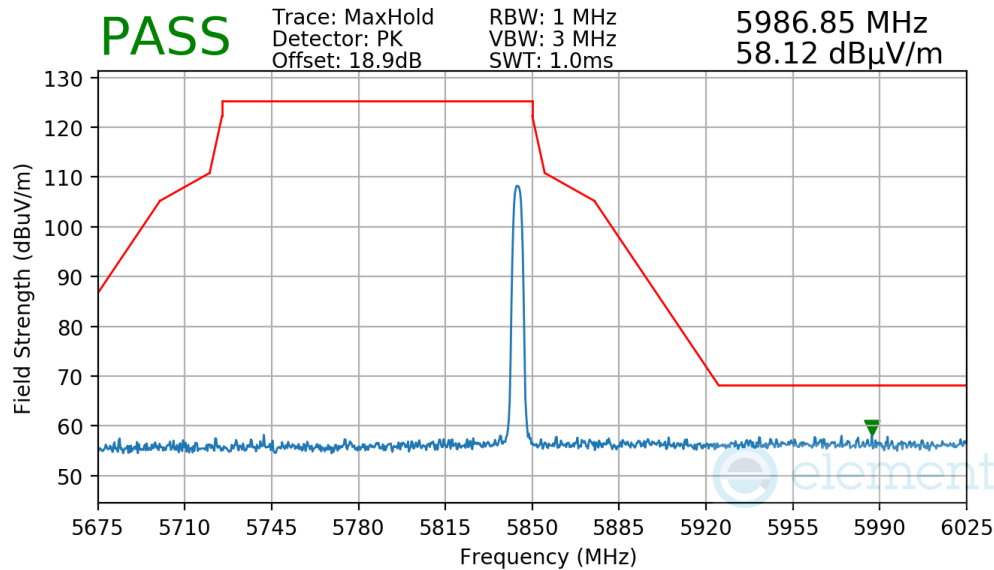
V 10.6 9/14/2023

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



Plot 7-205. Radiated Lower Band Edge Measurement Antenna 3a

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



Plot 7-206. Radiated Upper Band Edge Measurement Antenna 3a

FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 162 of 176

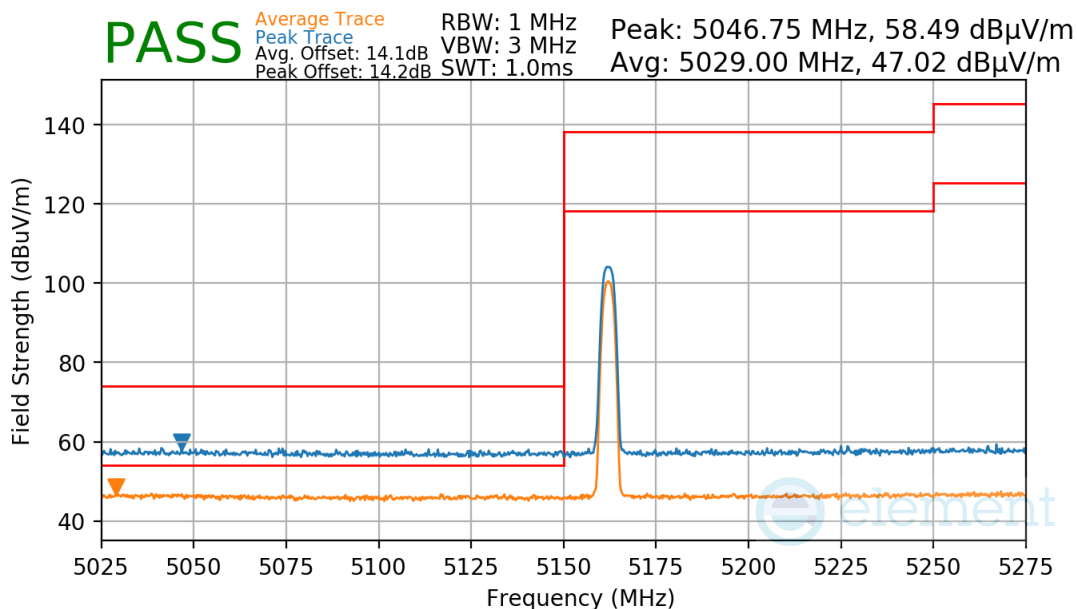
V 10.6 9/14/2023

Radiated Band Edge Measurements

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

Antenna 1b

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



Plot 7-207. Radiated Lower Band Edge Measurement Antenna 1b

FCC ID: BCGA2903 IC: 579C-A2903		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2311270064-22.BCG	Test Dates: 11/28/2023 - 03/05/2024	EUT Type: Tablet Device	Page 163 of 176

V 10.6 9/14/2023