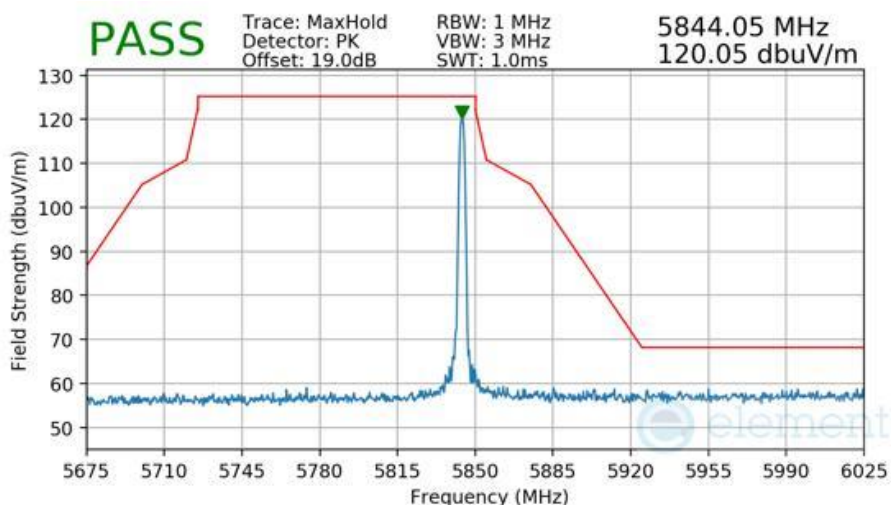
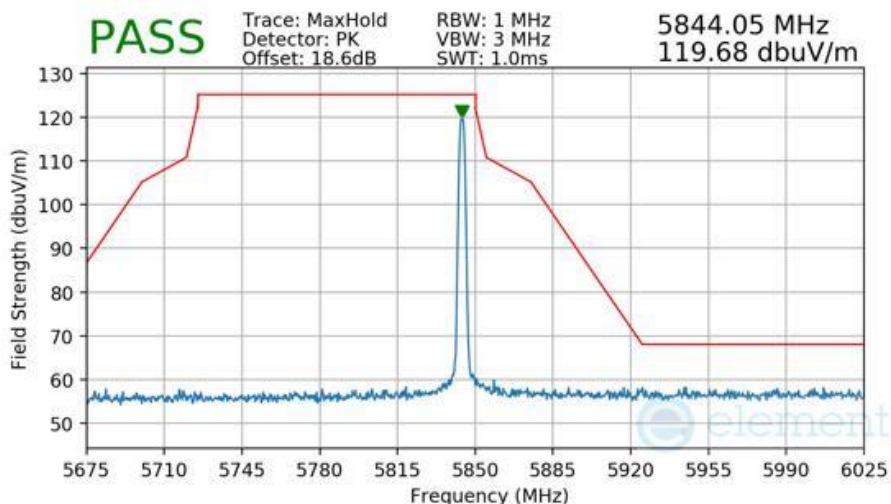


Mode	BDR
Power Scheme	ePA
Distance of Measurement	3 Meters
Operating Frequency	5844MHz



Plot 7-625 Radiated Upper Band Edge Measurement TxBF Primary

Mode	LE1M
Power Scheme	ePA
Distance of Measurement	3 Meters
Operating Frequency	5844MHz



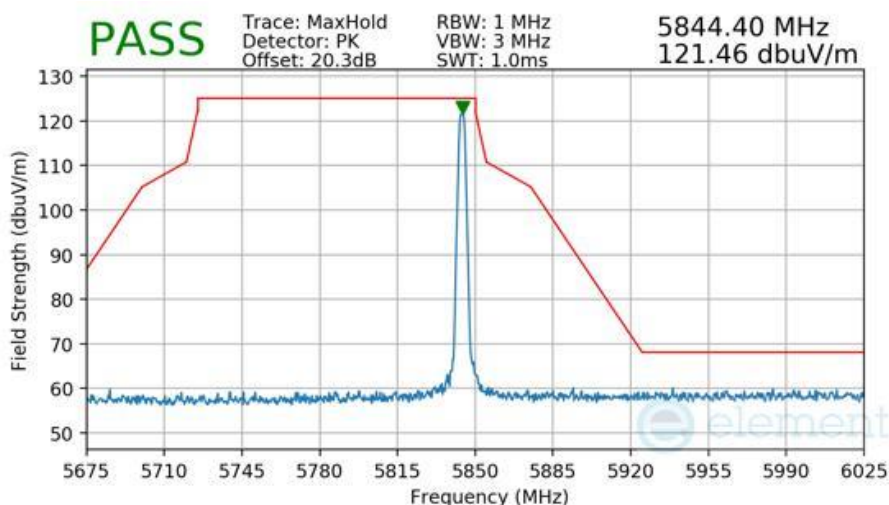
Plot 7-626 Radiated Upper Band Edge Measurement TxBF Primary

FCC ID: BCGA3357	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170038-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 380 of 416

V 11.0 06/2025

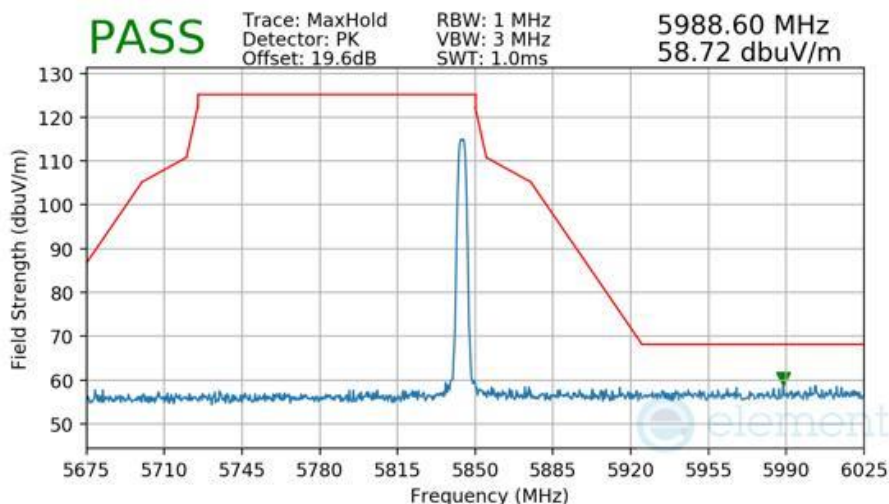
Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry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

Mode LE2M
Power Scheme ePA
Distance of Measurement 3 Meters
Operating Frequency 5844MHz



Plot 7-627 Radiated Upper Band Edge Measurement TxBF Primary

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

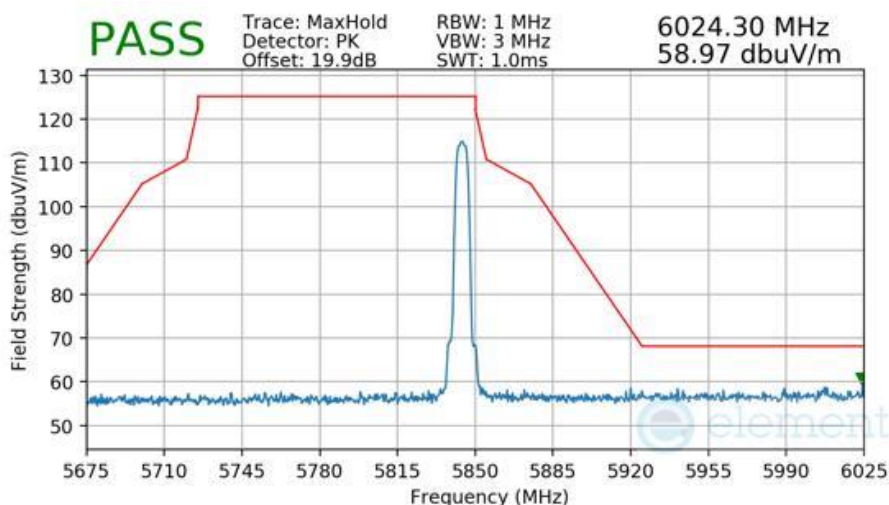


Plot 7-628 Radiated Upper Band Edge Measurement TxBF Primary

FCC ID: BCGA3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170038-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 381 of 416

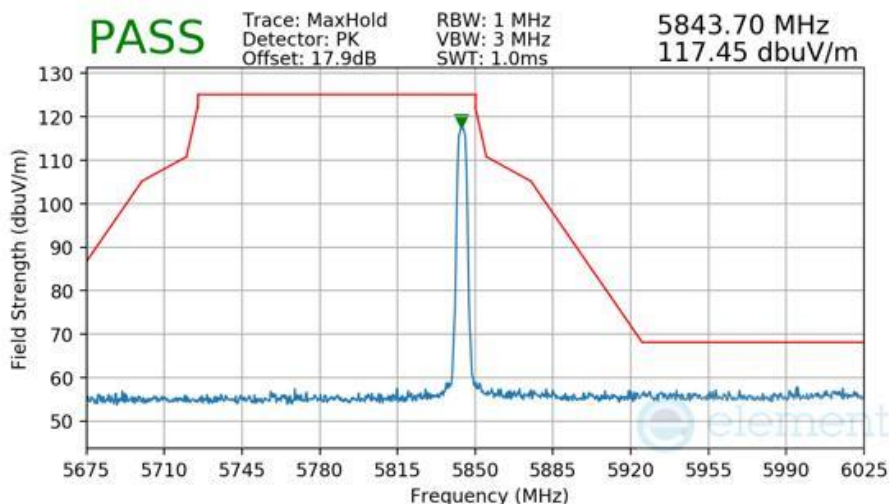
V 11.0 06/2025

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



Plot 7-629 Radiated Upper Band Edge Measurement TxBF Primary

Mode	XHDRPS2
Power Scheme	ePA
Distance of Measurement	3 Meters
Operating Frequency	5844MHz

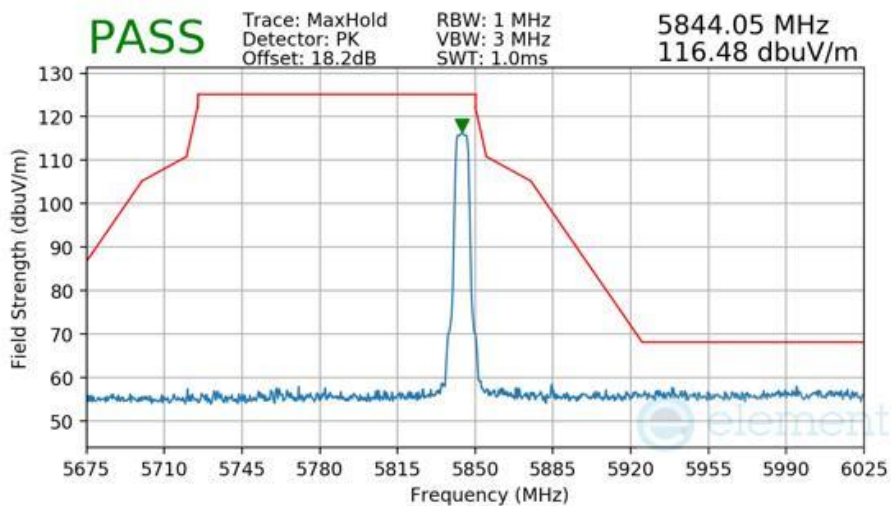


Plot 7-630 Radiated Upper Band Edge Measurement TxBF Primary

FCC ID: BCGA3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170038-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 382 of 416

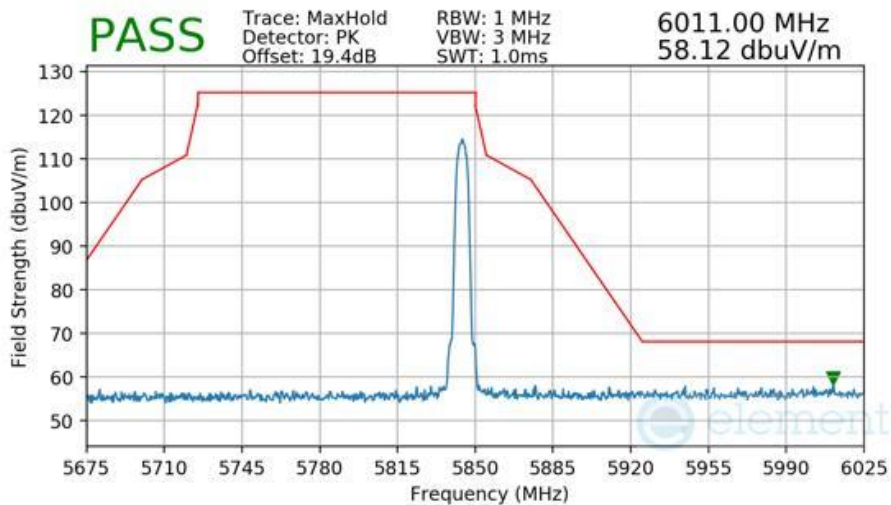
V 11.0 06/2025

Mode XHDRPM8
Power Scheme ePA
Distance of Measurement 3 Meters
Operating Frequency 5844MHz



Plot 7-631 Radiated Upper Band Edge Measurement TxBF Primary

Mode XHDRPM16
Power Scheme ePA
Distance of Measurement 3 Meters
Operating Frequency 5844MHz

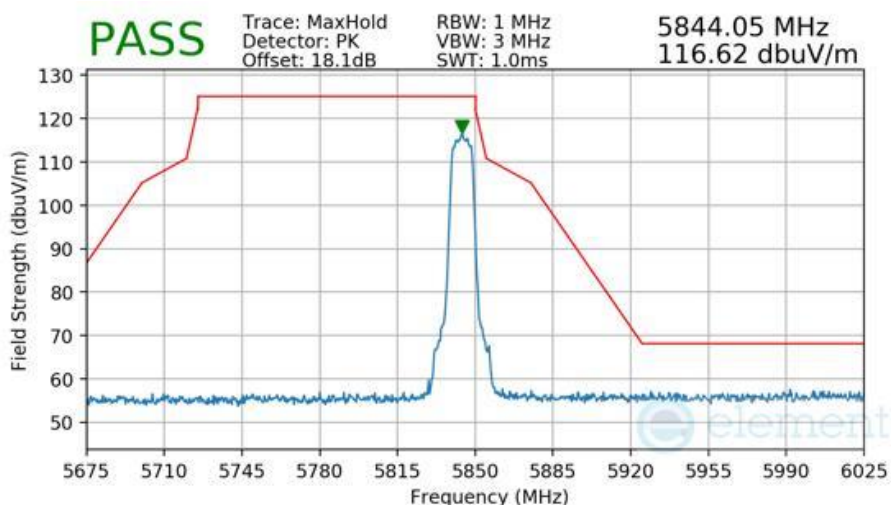


Plot 7-632 Radiated Upper Band Edge Measurement TxBF Primary

FCC ID: BCGA3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170038-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 383 of 416

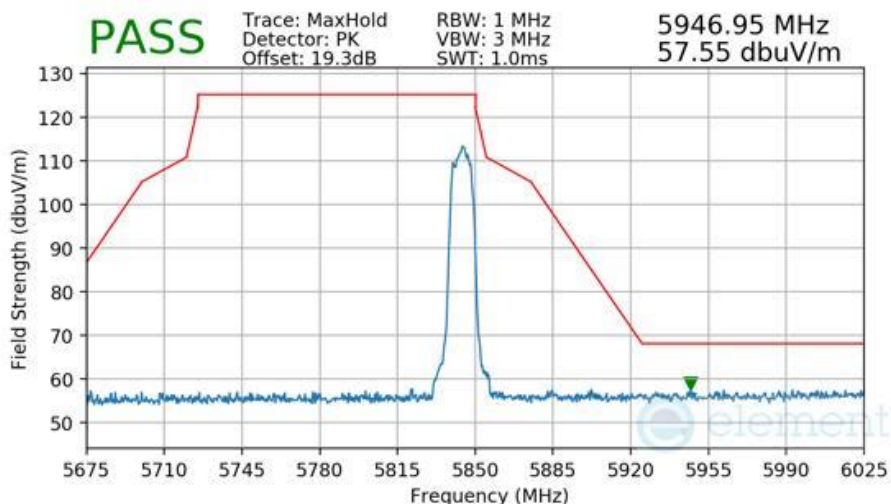
V 11.0 06/2025

Mode XHDRPL16
Power Scheme ePA
Distance of Measurement 3 Meters
Operating Frequency 5844MHz



Plot 7-633 Radiated Upper Band Edge Measurement TxBF Primary

Mode XHDRPL32
Power Scheme ePA
Distance of Measurement 3 Meters
Operating Frequency 5844MHz

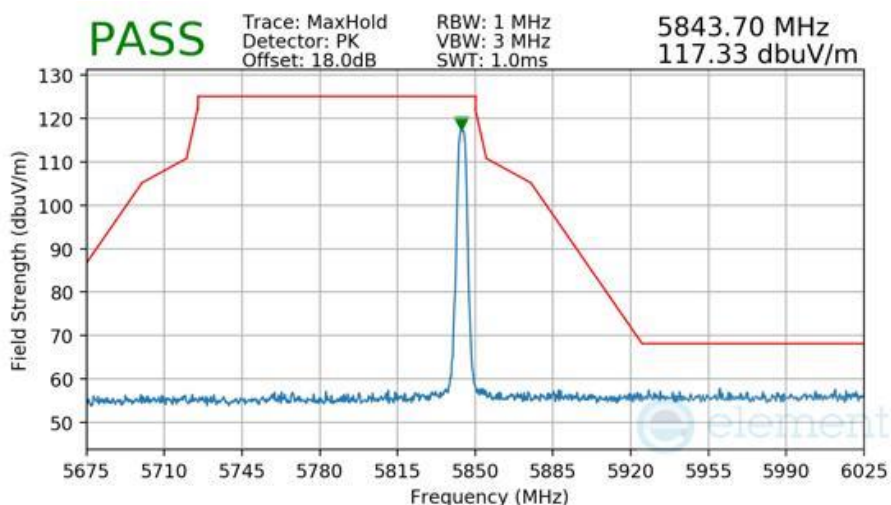


Plot 7-634 Radiated Upper Band Edge Measurement TxBF Primary

FCC ID: BCGA3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170038-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 384 of 416

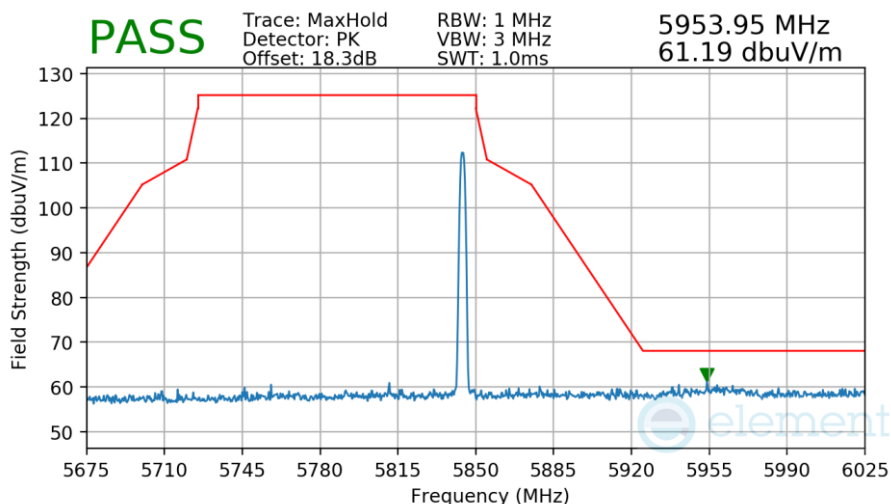
V 11.0 06/2025

Mode	HDT2
Power Scheme	ePA
Distance of Measurement	3 Meters
Operating Frequency	5844MHz



Plot 7-635 Radiated Upper Band Edge Measurement TxBF Primary

Mode	HDT8
Power Scheme	ePA
Distance of Measurement	3 Meters
Operating Frequency	5844MHz



Plot 7-636 Radiated Upper Band Edge Measurement TxBF Primary

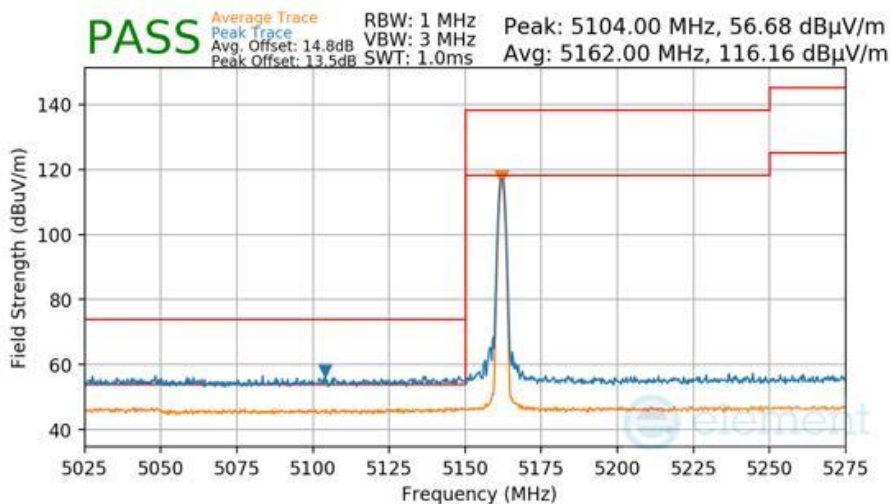
FCC ID: BCGA3357	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170038-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 385 of 416

V 11.0 06/2025

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.

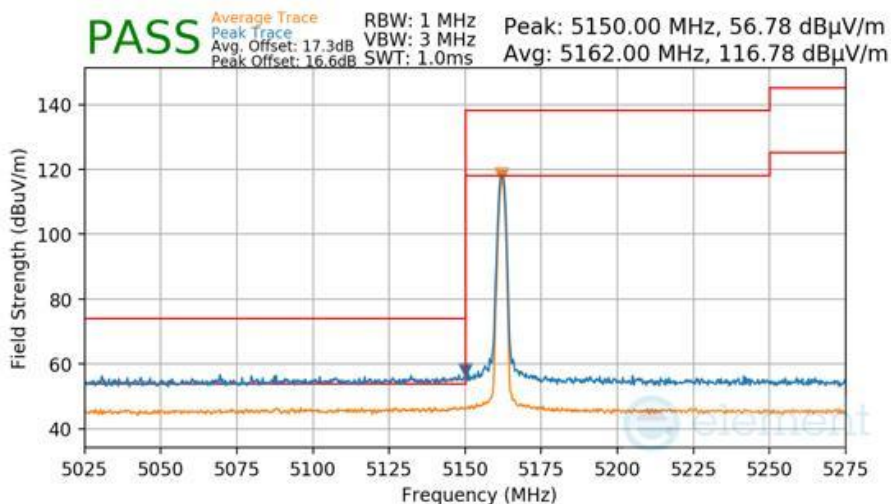
7.6.11 TxBF Diversity Radiated Band Edge Measurements (U-NII-1)

Mode	BDR
Power Scheme	ePA
Distance of Measurement	3 Meters
Operating Frequency	5162MHz



Plot 7-637 Radiated Lower Band Edge Measurement TxBF Diversity

Mode	LE1M
Power Scheme	ePA
Distance of Measurement	3 Meters
Operating Frequency	5162MHz

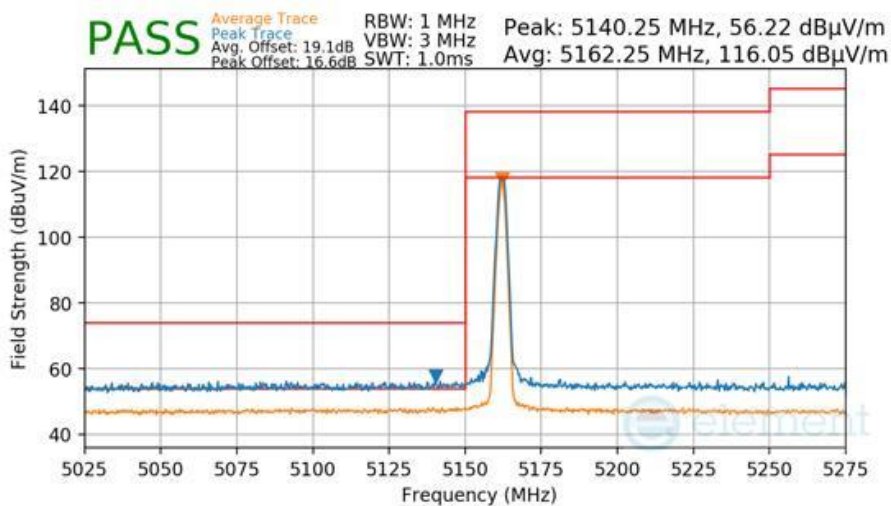


Plot 7-638 Radiated Lower Band Edge Measurement TxBF Diversity

FCC ID: BCGA3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170038-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 386 of 416

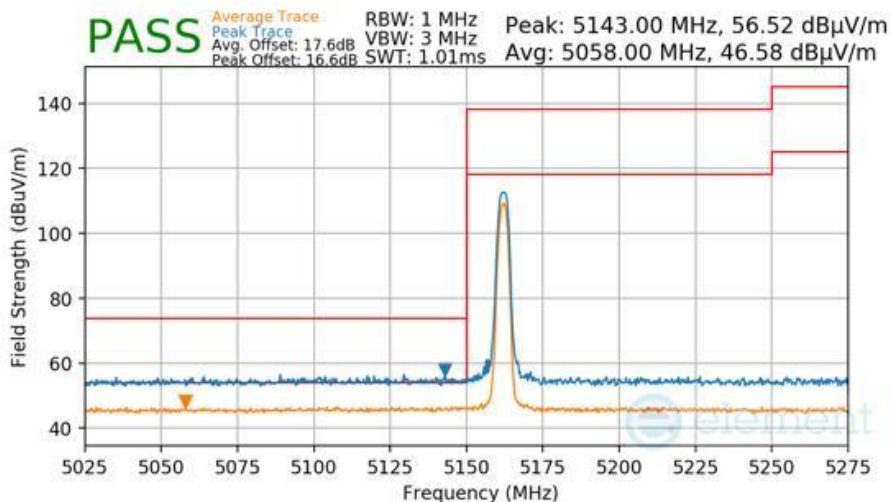
V 11.0 06/2025

Mode	LE2M
Power Scheme	ePA
Distance of Measurement	3 Meters
Operating Frequency	5162MHz



Plot 7-639 Radiated Lower Band Edge Measurement TxBF Diversity

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

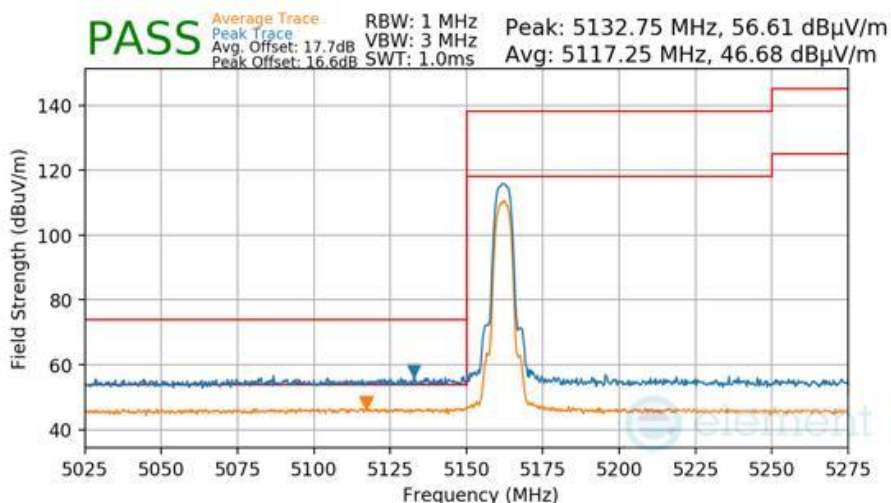


Plot 7-640 Radiated Lower Band Edge Measurement TxBF Diversity

FCC ID: BCGA3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170038-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 387 of 416

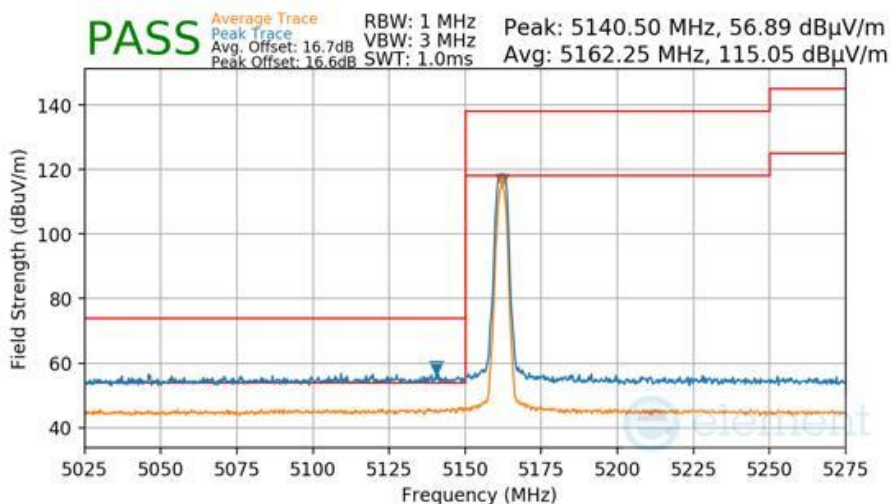
V 11.0 06/2025

Mode HDR8
Power Scheme ePA
Distance of Measurement 3 Meters
Operating Frequency 5162MHz



Plot 7-641 Radiated Lower Band Edge Measurement TxBF Diversity

Mode XHDRPS2
Power Scheme ePA
Distance of Measurement 3 Meters
Operating Frequency 5162MHz



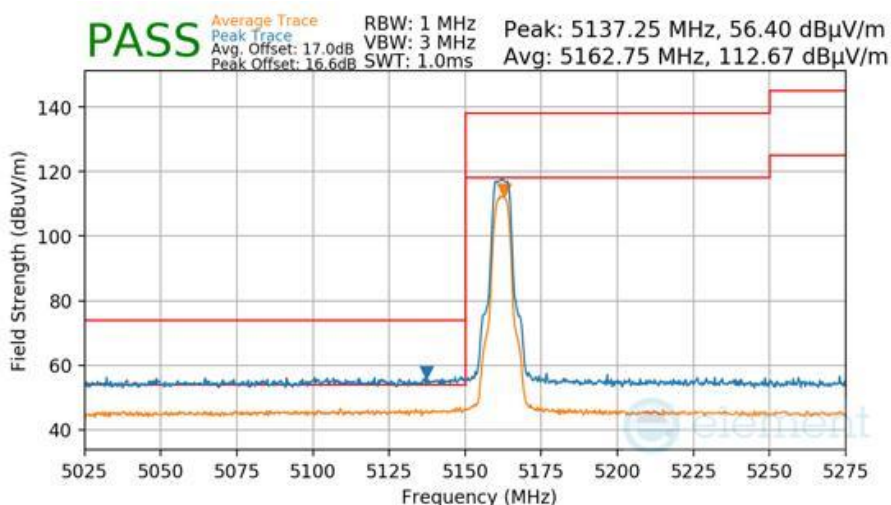
Plot 7-642 Radiated Lower Band Edge Measurement Antenna TxBF Diversity

FCC ID: BCGA3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170038-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 388 of 416

V 11.0 06/2025

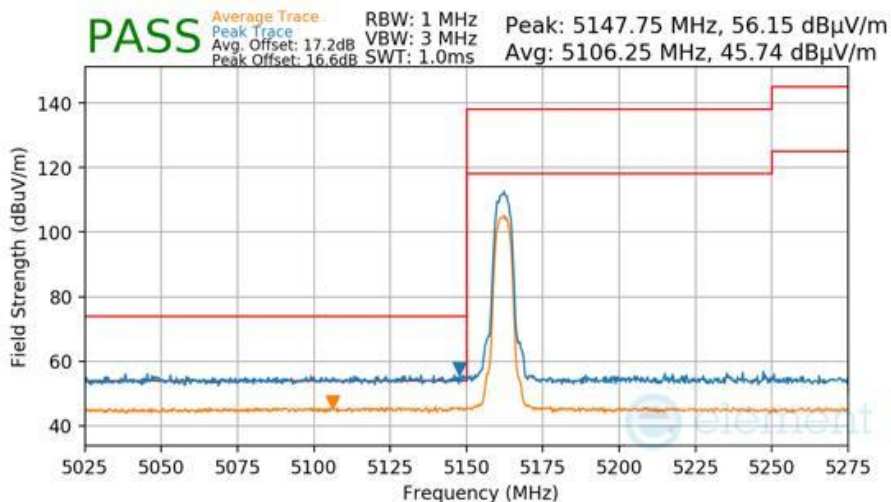
Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry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

Mode XHDRPM8
Power Scheme ePA
Distance of Measurement 3 Meters
Operating Frequency 5162MHz



Plot 7-643 Radiated Lower Band Edge Measurement Antenna TxBF Diversity

Mode XHDRPM16
Power Scheme ePA
Distance of Measurement 3 Meters
Operating Frequency 5162MHz

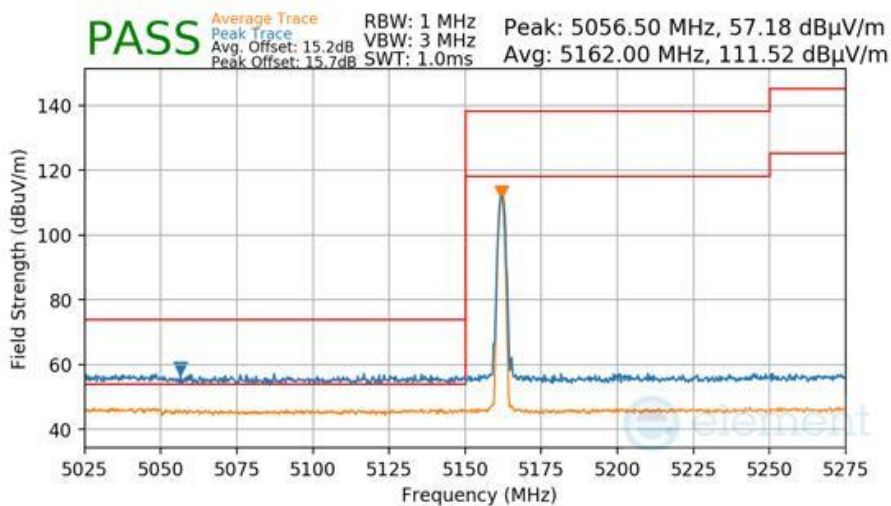


Plot 7-644 Radiated Lower Band Edge Measurement Antenna TxBF Diversity

FCC ID: BCGA3357	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170038-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 389 of 416

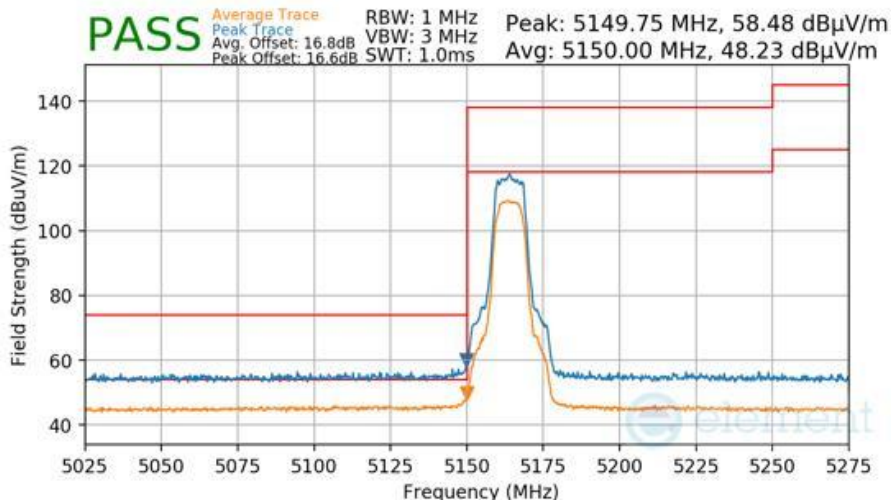
V 11.0 06/2025

Mode	XHDRPL16
Power Scheme	ePA
Distance of Measurement	3 Meters
Operating Frequency	5162MHz



Plot 7-645 Radiated Lower Band Edge Measurement Antenna TxBF Diversity

Mode	XHDRPL16
Power Scheme	ePA
Distance of Measurement	3 Meters
Operating Frequency	5164MHz

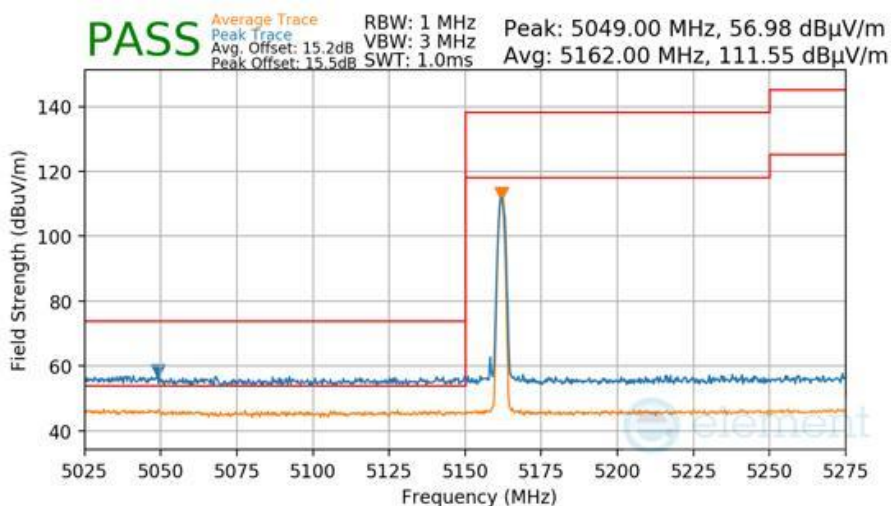


Plot 7-646 Radiated Lower Band Edge Measurement Antenna TxBF Diversity

FCC ID: BCGA3357	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170038-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 390 of 416

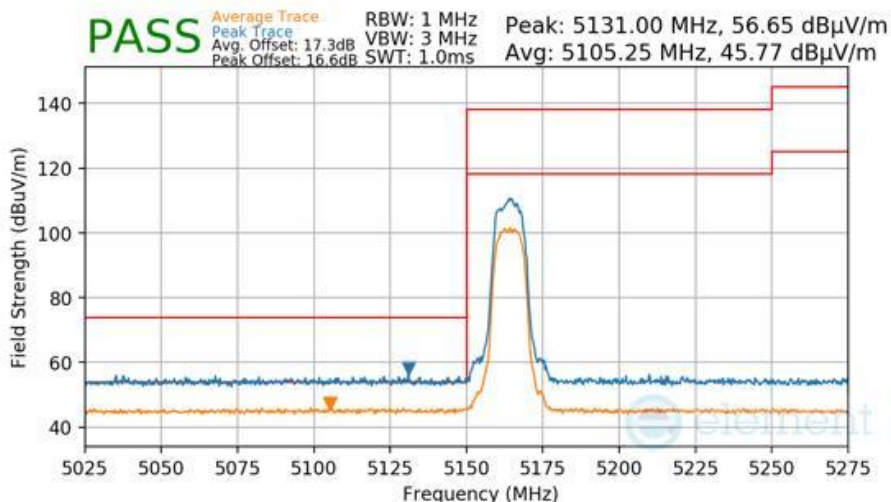
V 11.0 06/2025

Mode	XHDRPL32
Power Scheme	ePA
Distance of Measurement	3 Meters
Operating Frequency	5162MHz



Plot 7-647 Radiated Lower Band Edge Measurement Antenna TxBF Diversity

Mode	XHDRPL32
Power Scheme	ePA
Distance of Measurement	3 Meters
Operating Frequency	5164MHz

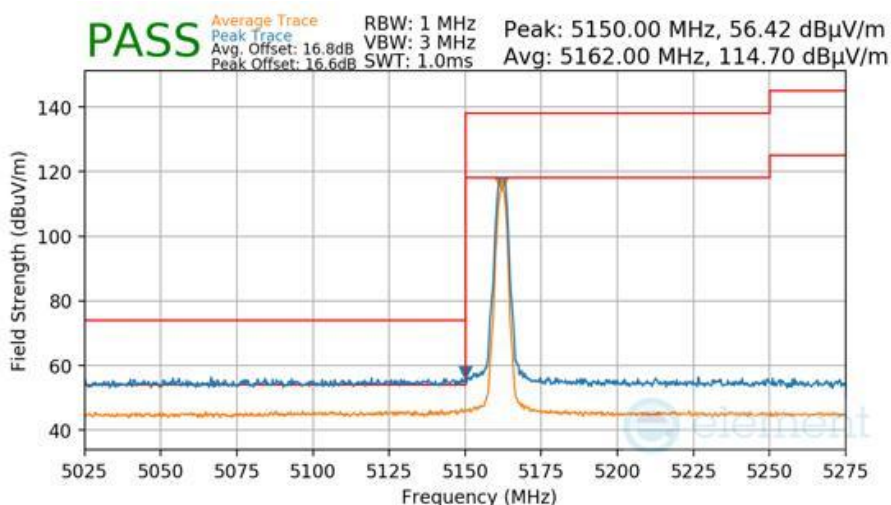


Plot 7-648 Radiated Lower Band Edge Measurement Antenna TxBF Diversity

FCC ID: BCGA3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170038-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 391 of 416

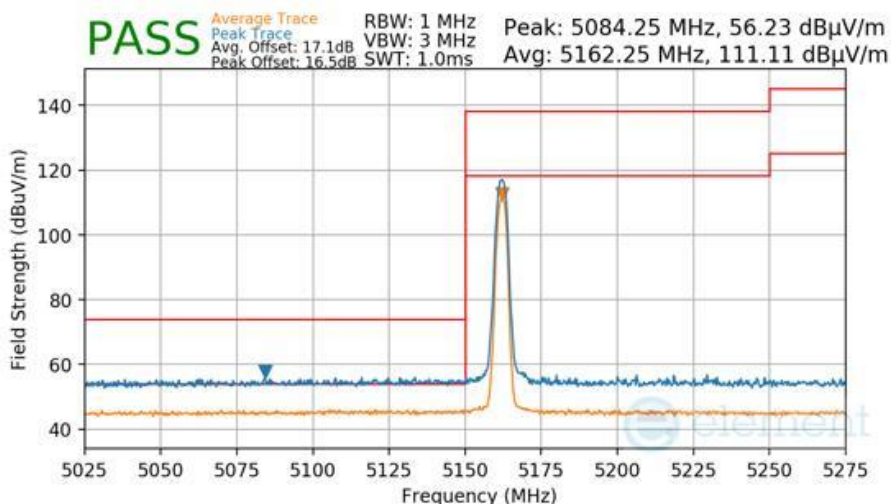
V 11.0 06/2025

Mode	HDT2
Power Scheme	ePA
Distance of Measurement	3 Meters
Operating Frequency	5162MHz



Plot 7-649 Radiated Lower Band Edge Measurement Antenna TxBF Diversity

Mode	HDT8
Power Scheme	ePA
Distance of Measurement	3 Meters
Operating Frequency	5162MHz



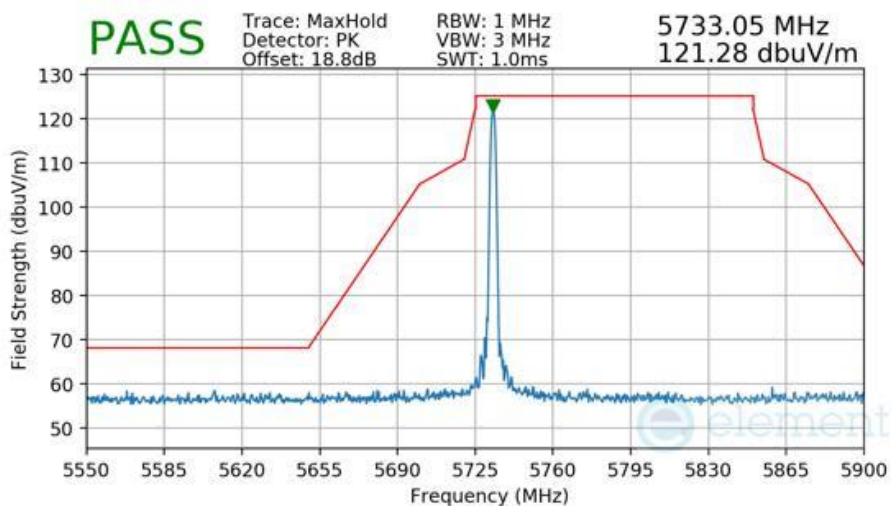
Plot 7-650 Radiated Lower Band Edge Measurement Antenna TxBF Diversity

FCC ID: BCGA3357	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170038-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 392 of 416

V 11.0 06/2025

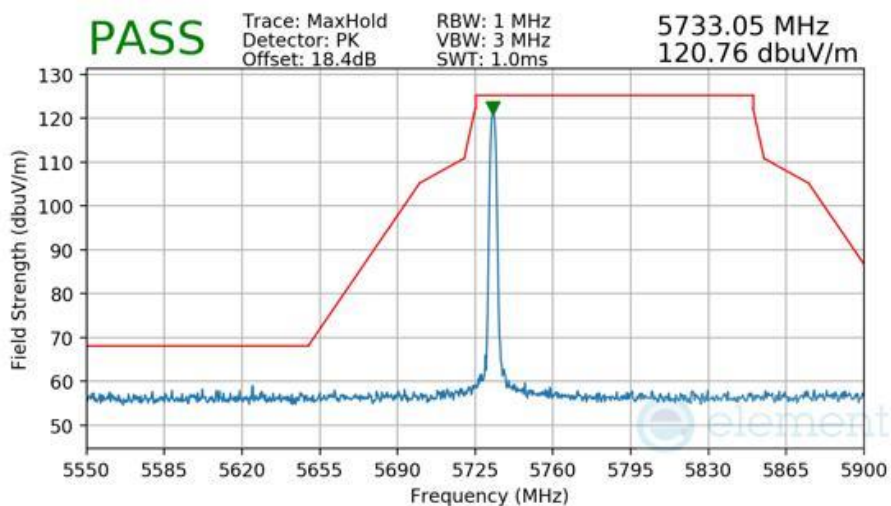
7.6.12 TxBF Diversity Radiated Band Edge Measurements (U-NII-3)

Mode	BDR
Power Scheme	ePA
Distance of Measurement	3 Meters
Operating Frequency	5733MHz



Plot 7-651 Radiated Lower Band Edge Measurement Antenna TxBF Diversity

Mode	LE1M
Power Scheme	ePA
Distance of Measurement	3 Meters
Operating Frequency	5733MHz



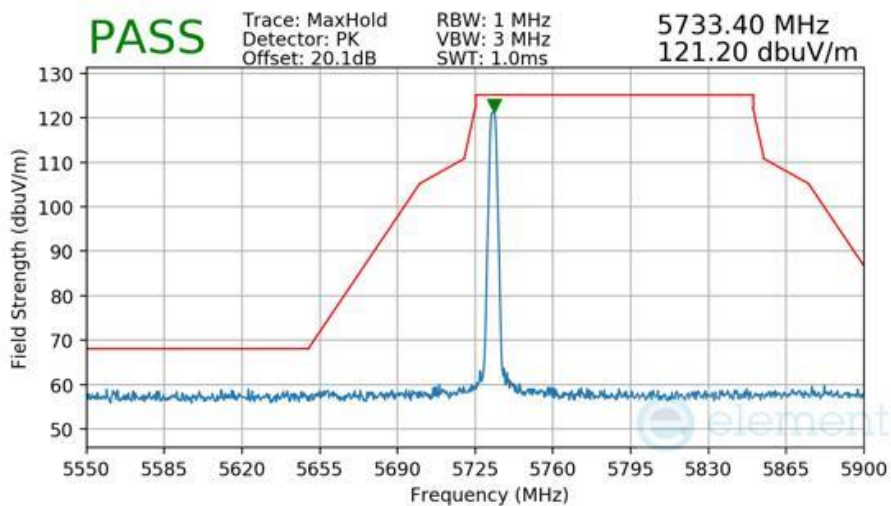
Plot 7-652 Radiated Lower Band Edge Measurement Antenna TxBF Diversity

FCC ID: BCGA3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170038-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 393 of 416

V 11.0 06/2025

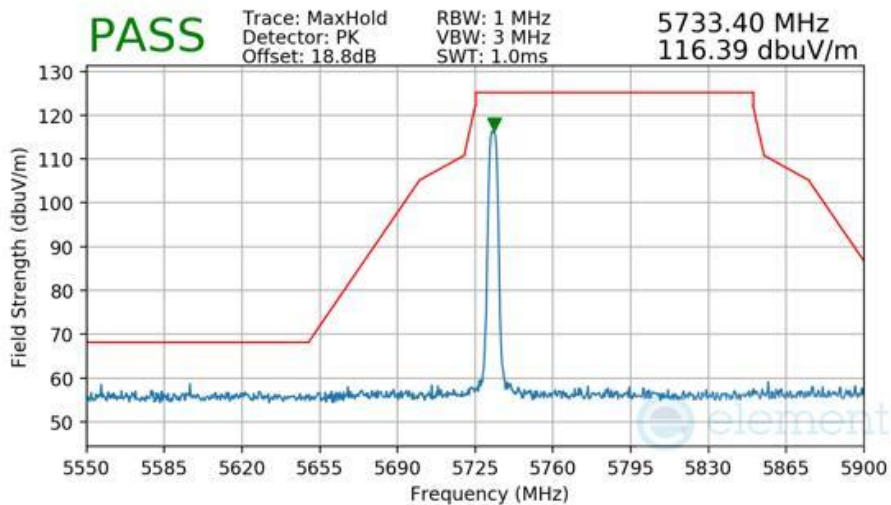
Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry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

Mode	LE2M
Power Scheme	ePA
Distance of Measurement	3 Meters
Operating Frequency	5733MHz



Plot 7-653 Radiated Lower Band Edge Measurement Antenna TxBF Diversity

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

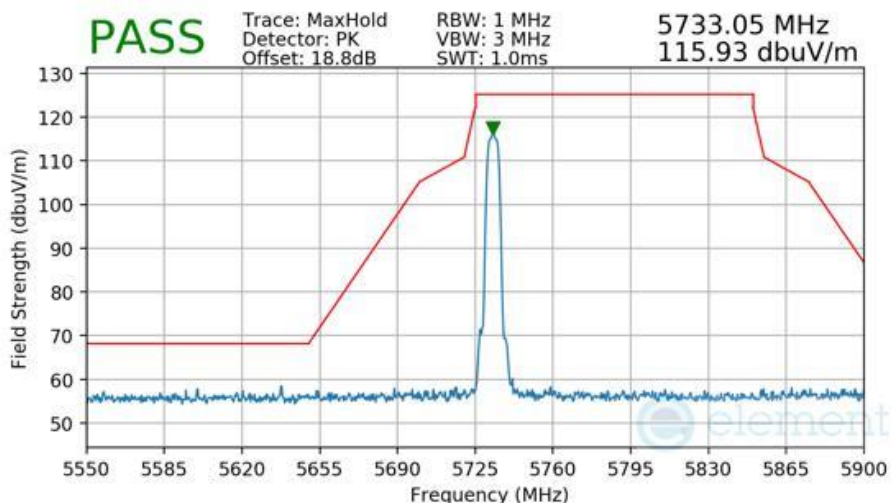


Plot 7-654 Radiated Lower Band Edge Measurement Antenna TxBF Diversity

FCC ID: BCGA3357	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170038-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 394 of 416

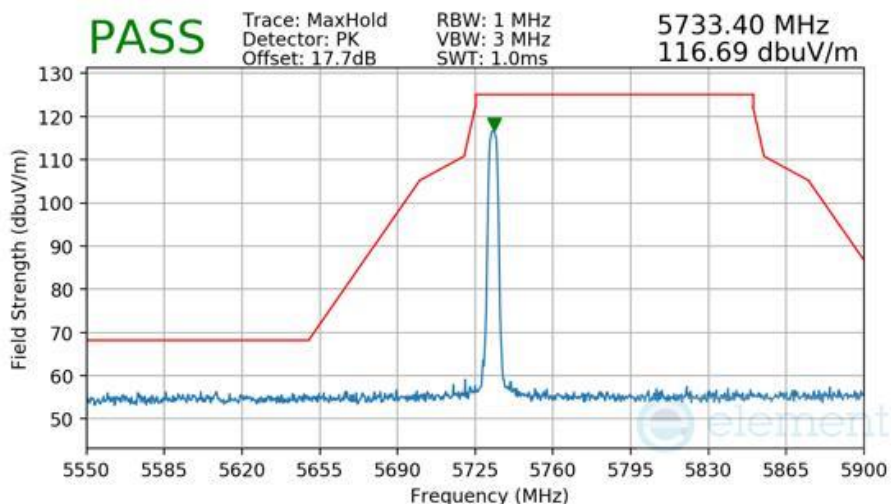
V 11.0 06/2025

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



Plot 7-655 Radiated Lower Band Edge Measurement Antenna TxBF Diversity

Mode	XHDRPS2
Power Scheme	ePA
Distance of Measurement	3 Meters
Operating Frequency	5733MHz

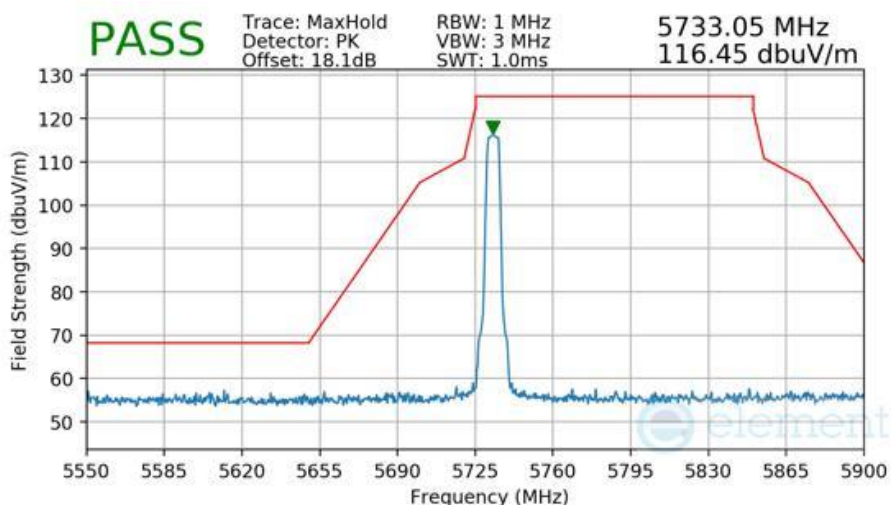


Plot 7-656 Radiated Lower Band Edge Measurement Antenna TxBF Diversity

FCC ID: BCGA3357	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170038-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 395 of 416

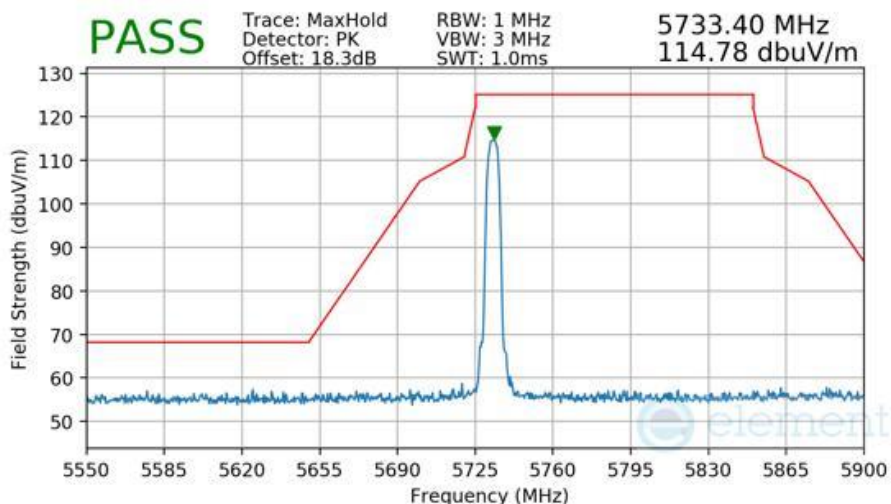
V 11.0 06/2025

Mode XHDRPM8
Power Scheme ePA
Distance of Measurement 3 Meters
Operating Frequency 5733MHz



Plot 7-657 Radiated Lower Band Edge Measurement Antenna TxBF Diversity

Mode XHDRPM16
Power Scheme ePA
Distance of Measurement 3 Meters
Operating Frequency 5733MHz

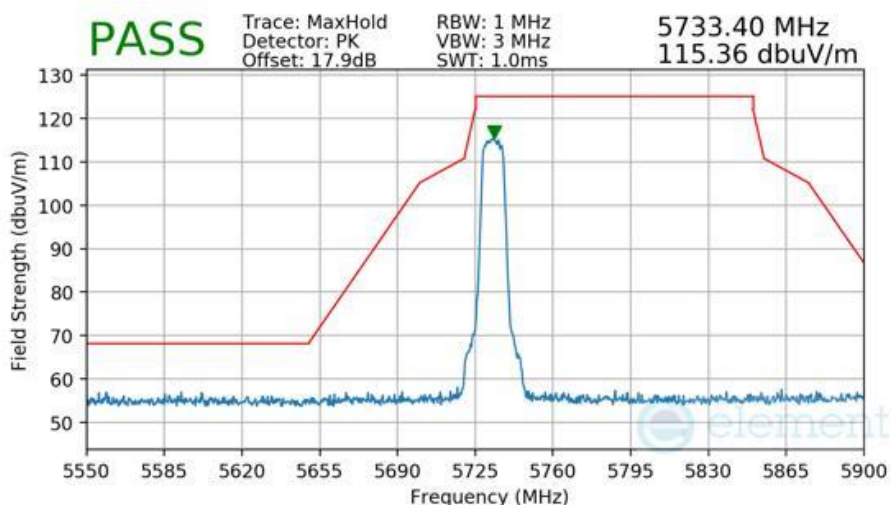


Plot 7-658 Radiated Lower Band Edge Measurement Antenna TxBF Diversity

FCC ID: BCGA3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170038-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 396 of 416

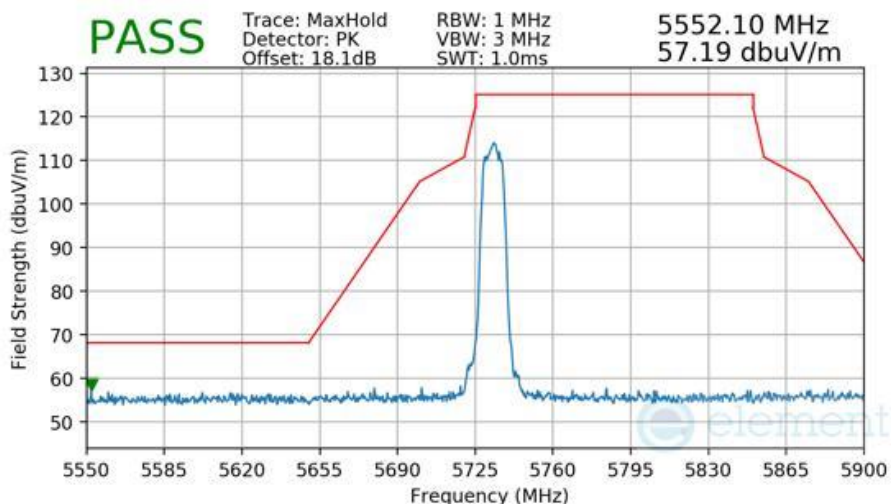
V 11.0 06/2025

Mode XHDRPL16
Power Scheme ePA
Distance of Measurement 3 Meters
Operating Frequency 5733MHz



Plot 7-659 Radiated Lower Band Edge Measurement Antenna TxBF Diversity

Mode XHDRPL32
Power Scheme ePA
Distance of Measurement 3 Meters
Operating Frequency 5733MHz

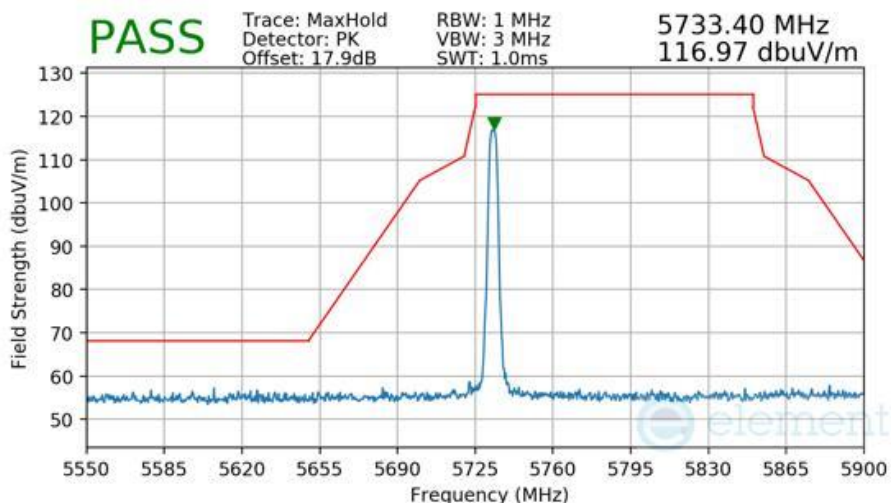


Plot 7-660 Radiated Lower Band Edge Measurement Antenna TxBF Diversity

FCC ID: BCGA3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170038-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 397 of 416

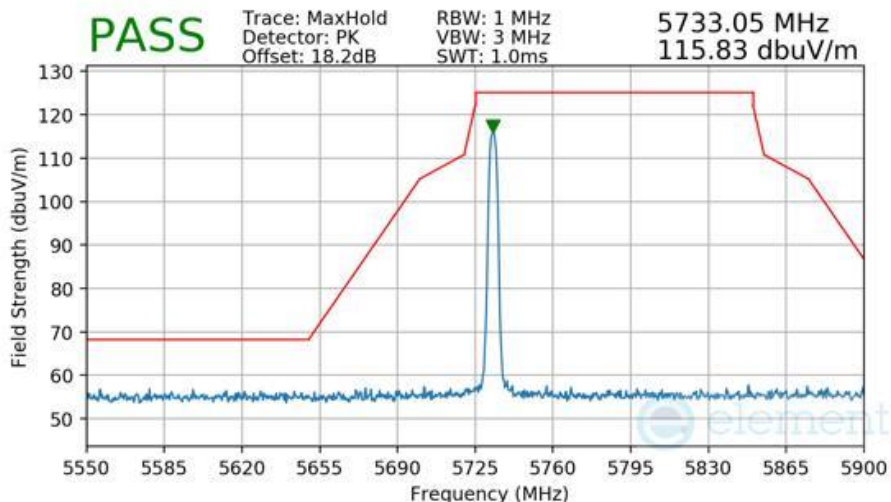
V 11.0 06/2025

Mode	HDT2
Power Scheme	ePA
Distance of Measurement	3 Meters
Operating Frequency	5733MHz



Plot 7-661 Radiated Lower Band Edge Measurement Antenna TxBF Diversity

Mode	HDT8
Power Scheme	ePA
Distance of Measurement	3 Meters
Operating Frequency	5733MHz

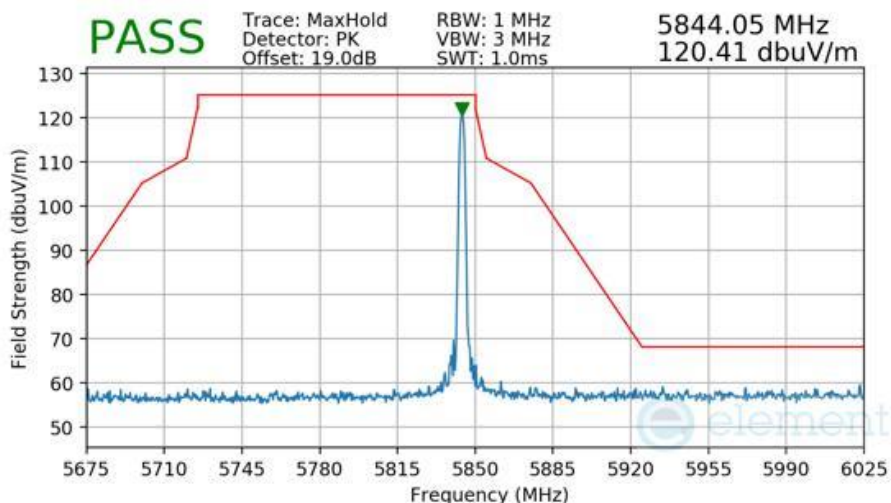


Plot 7-662 Radiated Lower Band Edge Measurement Antenna TxBF Diversity

FCC ID: BCGA3357	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170038-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 398 of 416

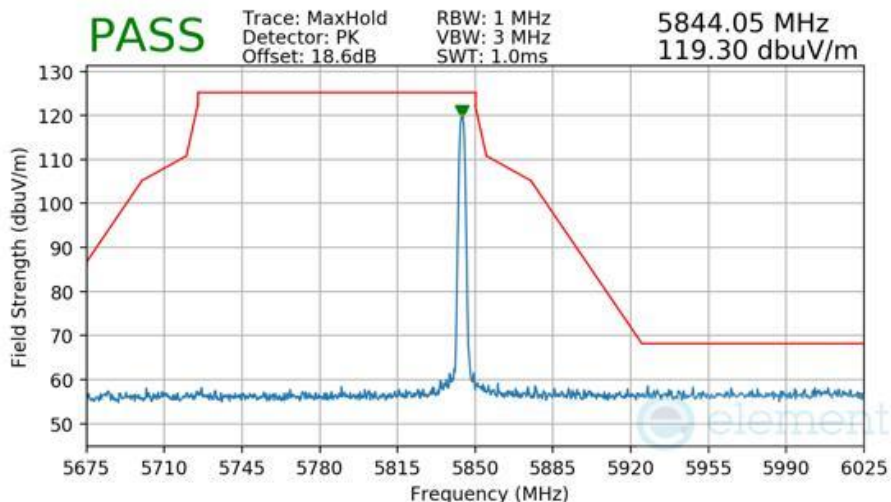
V 11.0 06/2025

Mode	BDR
Power Scheme	ePA
Distance of Measurement	3 Meters
Operating Frequency	5844MHz



Plot 7-663 Radiated Upper Band Edge Measurement Antenna TxBF Diversity

Mode	LE1M
Power Scheme	ePA
Distance of Measurement	3 Meters
Operating Frequency	5844MHz

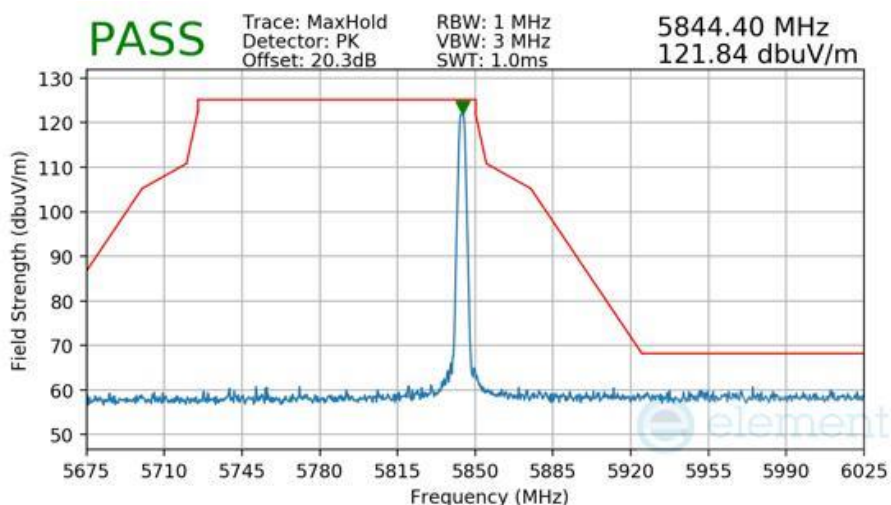


Plot 7-664 Radiated Upper Band Edge Measurement Antenna TxBF Diversity

FCC ID: BCGA3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170038-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 399 of 416

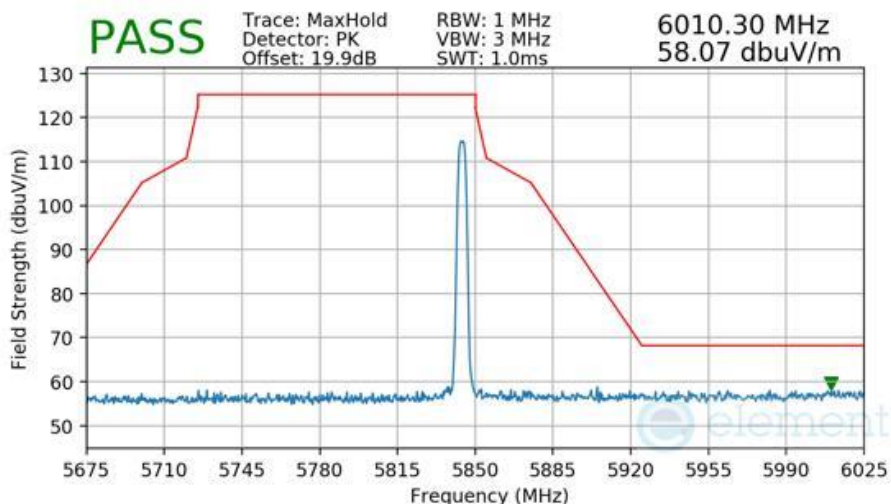
V 11.0 06/2025

Mode	LE2M
Power Scheme	ePA
Distance of Measurement	3 Meters
Operating Frequency	5844MHz



Plot 7-665 Radiated Upper Band Edge Measurement Antenna TxBF Diversity

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



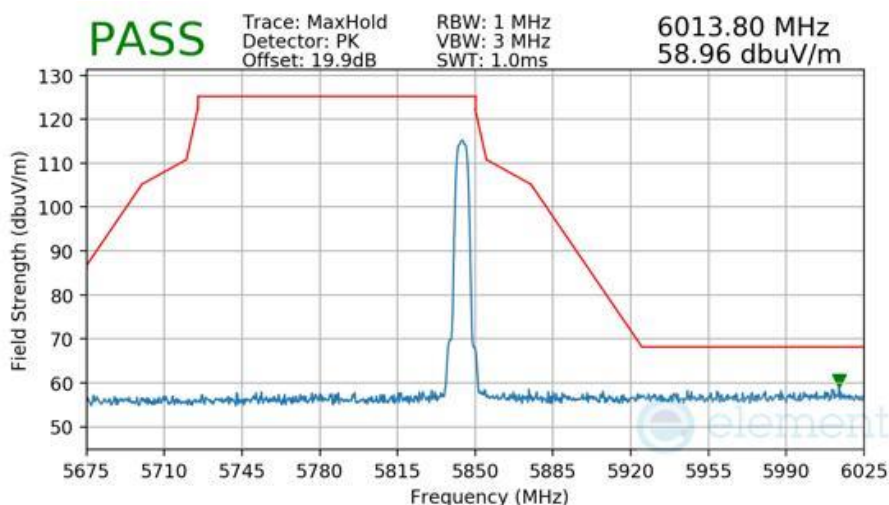
Plot 7-666 Radiated Upper Band Edge Measurement Antenna TxBF Diversity

FCC ID: BCGA3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170038-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 400 of 416

V 11.0 06/2025

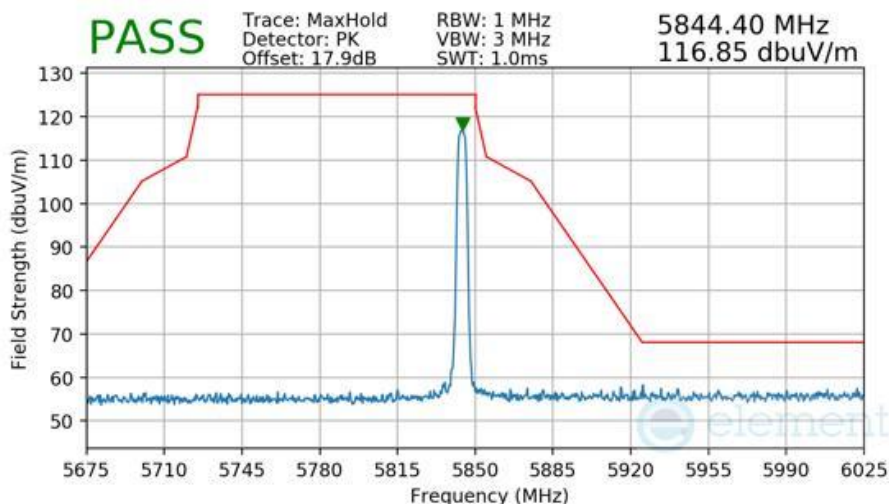
Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry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

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



Plot 7-667 Radiated Upper Band Edge Measurement Antenna TxBF Diversity

Mode	XHDRPS2
Power Scheme	ePA
Distance of Measurement	3 Meters
Operating Frequency	5844MHz

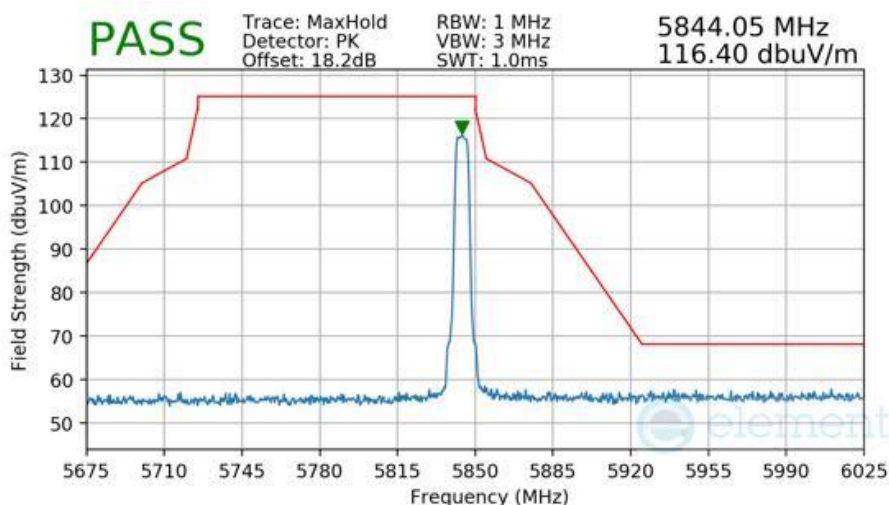


Plot 7-668 Radiated Upper Band Edge Measurement Antenna TxBF Diversity

FCC ID: BCGA3357	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170038-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 401 of 416

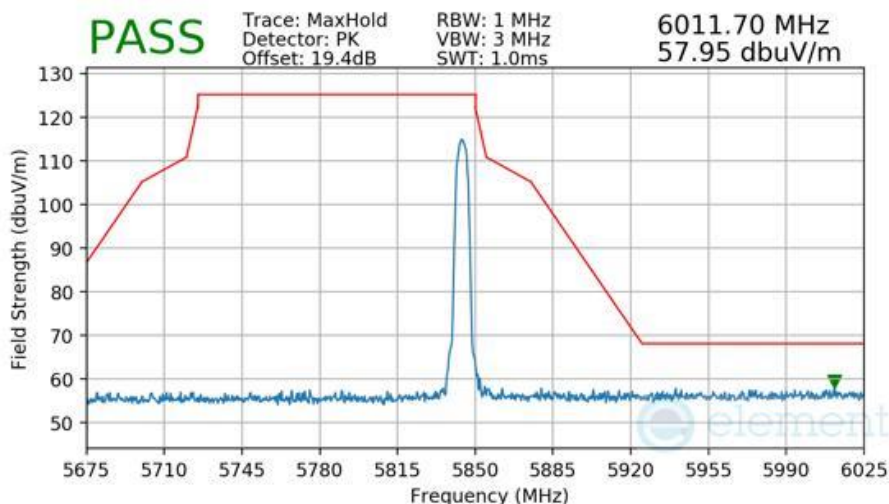
V 11.0 06/2025

Mode	XHDRPM8
Power Scheme	ePA
Distance of Measurement	3 Meters
Operating Frequency	5844MHz



Plot 7-669 Radiated Upper Band Edge Measurement Antenna TxBF Diversity

Mode	XHDRPM16
Power Scheme	ePA
Distance of Measurement	3 Meters
Operating Frequency	5844MHz



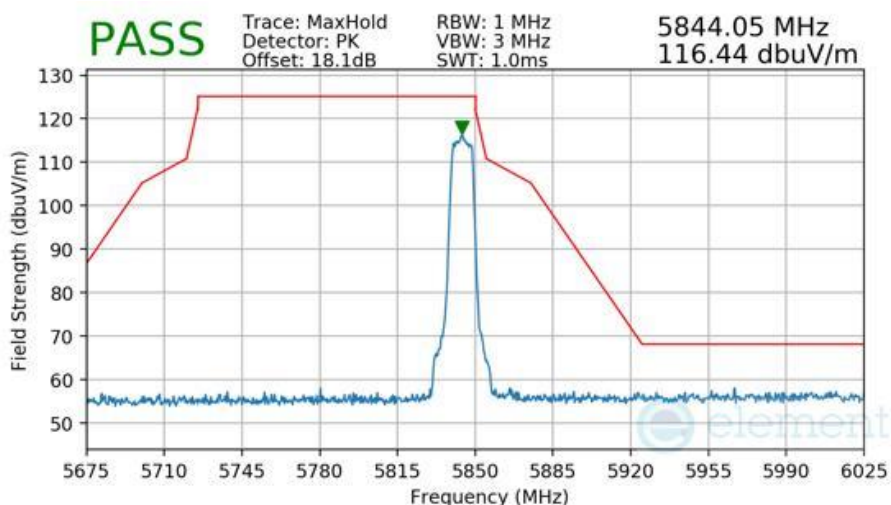
Plot 7-670 Radiated Upper Band Edge Measurement Antenna TxBF Diversity

FCC ID: BCGA3357	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170038-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 402 of 416

V 11.0 06/2025

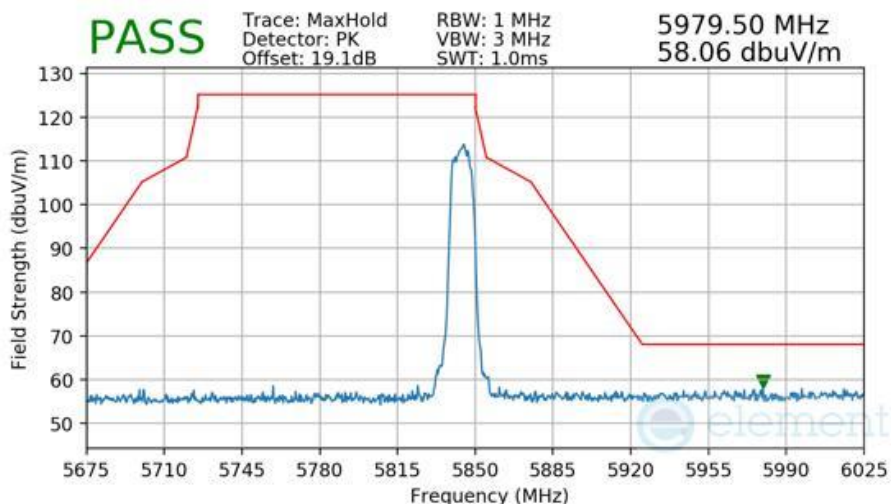
Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry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

Mode XHDRPL16
Power Scheme ePA
Distance of Measurement 3 Meters
Operating Frequency 5844MHz



Plot 7-671 Radiated Upper Band Edge Measurement Antenna TxBF Diversity

Mode XHDRPL32
Power Scheme ePA
Distance of Measurement 3 Meters
Operating Frequency 5844MHz

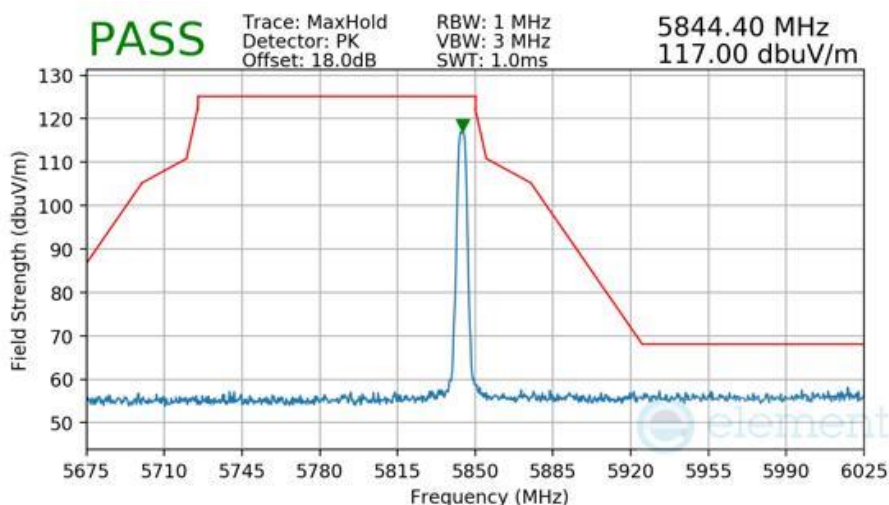


Plot 7-672 Radiated Upper Band Edge Measurement Antenna TxBF Diversity

FCC ID: BCGA3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170038-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 403 of 416

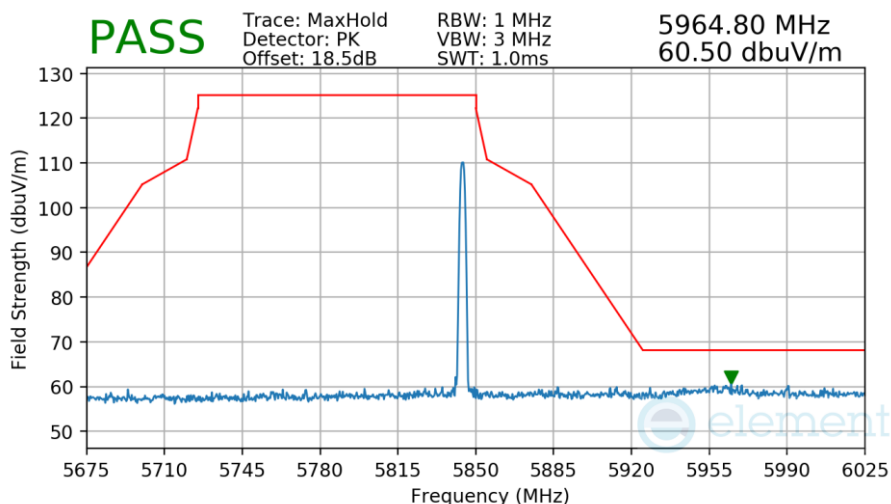
V 11.0 06/2025

Mode	HDT2
Power Scheme	ePA
Distance of Measurement	3 Meters
Operating Frequency	5844MHz



Plot 7-673 Radiated Upper Band Edge Measurement Antenna TxBF Diversity

Mode	HDT8
Power Scheme	ePA
Distance of Measurement	3 Meters
Operating Frequency	5844MHz



Plot 7-674 Radiated Upper Band Edge Measurement Antenna TxBF Diversity

FCC ID: BCGA3357	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170038-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 404 of 416

V 11.0 06/2025

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.

7.7 Radiated Spurious Emissions – Below 1GHz

§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 maximum power, and at the appropriate frequencies. All data rates and modes were investigated for radiated spurious emissions. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR and Table 7 must not exceed the limits shown in Table 7-65 per Section 15.209.

Frequency	Field Strength [μV/m]	Measured Distance [Meters]
0.009 – 0.490 MHz	2400/F (kHz)	300
0.490 – 1.705 MHz	24000/F (kHz)	30
1.705 – 30.00 MHz	30	30
30.00 – 88.00 MHz	100	3
88.00 – 216.0 MHz	150	3
216.0 – 960.0 MHz	200	3
Above 960.0 MHz	500	3

Table 7-65. Radiated Limits

Test Procedures Used

ANSI C63.10-2020

Test Settings

Quasi-Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 120kHz (for emissions from 30MHz – 1GHz)
3. Detector = quasi-peak
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 120kHz (for emissions from 30MHz – 1GHz)
3. VBW = 300kHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

FCC ID: BCGA3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170038-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 405 of 416

V 11.0 06/2025

Test Setup

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

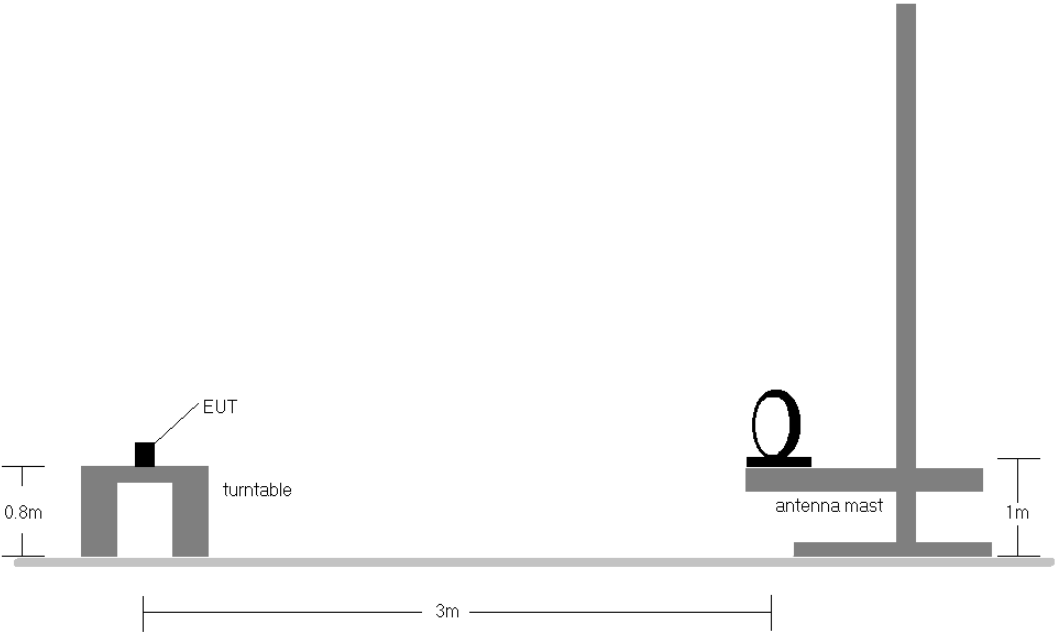


Figure 7-6. Radiated Test Setup < 30MHz

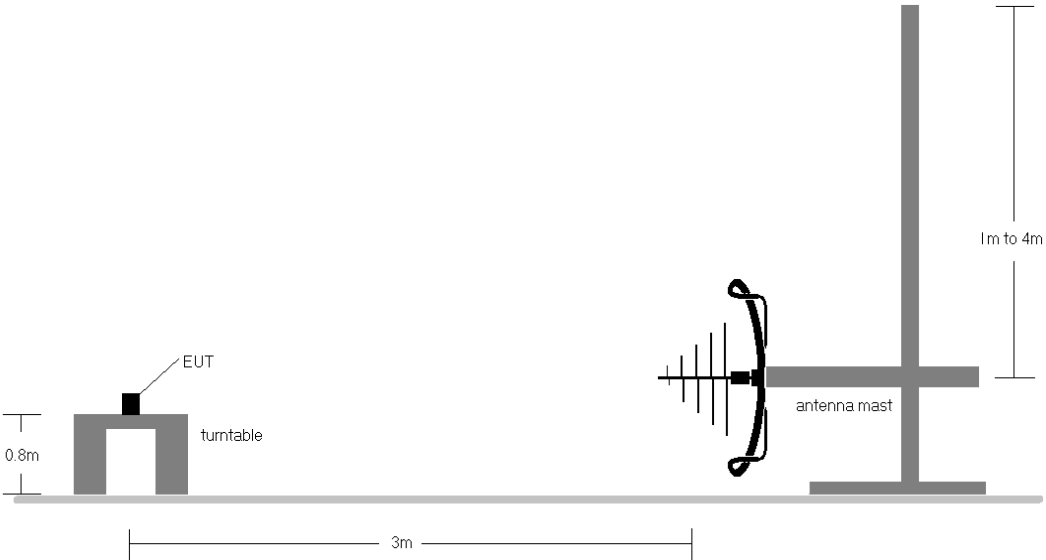


Figure 7-7. Radiated Test Setup < 1GHz

FCC ID: BCGA3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170038-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 406 of 416

V 11.0 06/2025

Test Notes

1. All emissions lying in restricted bands specified in §15.205 are below the limit shown in Table 7-65.
2. The broadband receive antenna is manipulated through vertical and horizontal polarizations during the tests. The EUT is manipulated through three orthogonal planes. For below 30MHz the loop antenna was positioned in 3 orthogonal planes (X front, Y side, Z top) to determine the orientation resulting in the worst case emissions.
3. This unit was tested with its standard battery.
4. The spectrum is investigated using a peak detector and final measurements are recorded using CISPR quasi peak detector for emissions within 6dB of the limit.
5. Emissions were measured at a 3 meter test distance.
6. Emissions are investigated while operating on the center channel of the mode, band, and modulation that produced the worst case results during the transmitter spurious emissions testing.
7. No spurious emissions were detected within 20dB of the limit below 30MHz.
8. The results recorded using the broadband antenna is known to correlate with the results obtained by using a tuned dipole with an acceptable degree of accuracy. The VSWR for the measurement antenna was found to be less than 2:1.
9. All supported modulation and power schemes have been tested on the unit and only worst case configuration is reported.
10. Both configurations below were investigated, and the worst case has been reported.
 - a. EUT powered by AC/DC adaptor to USB-C cable with wire charger
 - b. EUT powered by host PC via USB-C cable with wire charger

Sample Calculations

Determining Spurious Emissions Levels

- Field Strength Level $_{[dB\mu V/m]} = \text{Analyzer Level}_{[dBm]} + 107 + \text{AFCL}_{[dB/m]}$
- $\text{AFCL}_{[dB/m]} = \text{Antenna Factor}_{[dB/m]} + \text{Cable Loss}_{[dB]} - \text{Preamplifier Gain}_{[dB]}$
- $\text{Margin}_{[dB]} = \text{Field Strength Level}_{[dB\mu V/m]} - \text{Limit}_{[dB\mu V/m]}$

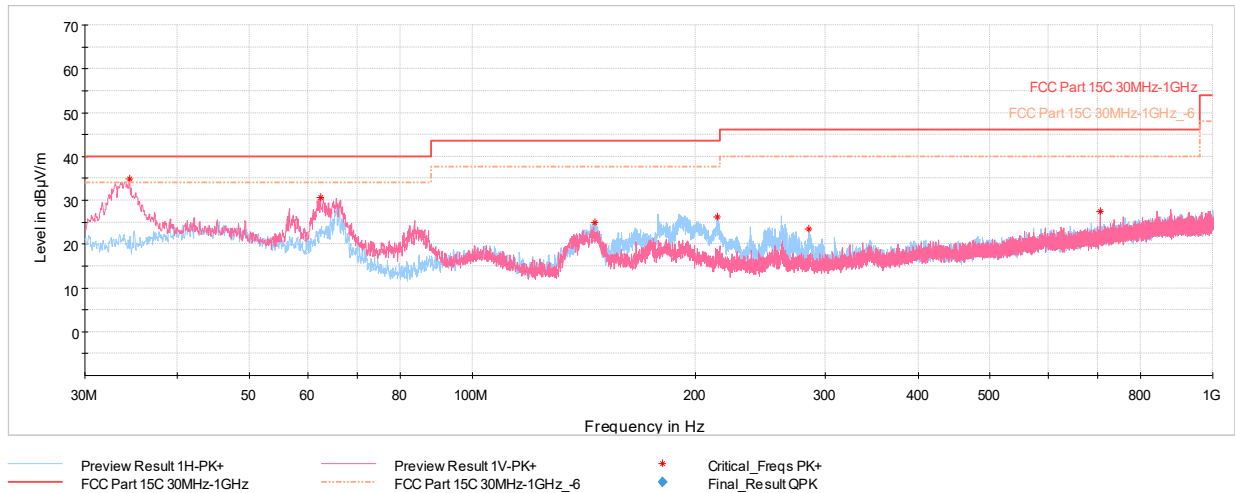
FCC ID: BCGA3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170038-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 407 of 416

V 11.0 06/2025

Radiated Spurious Emissions (Below 1GHz)

\$15.209

TxBF Primary



Plot 7-675. Radiated Spurious Emissions Below 1GHz TxBF Primary (NB UNII BDR ePA – 5788MHz), with AC/DC adaptor

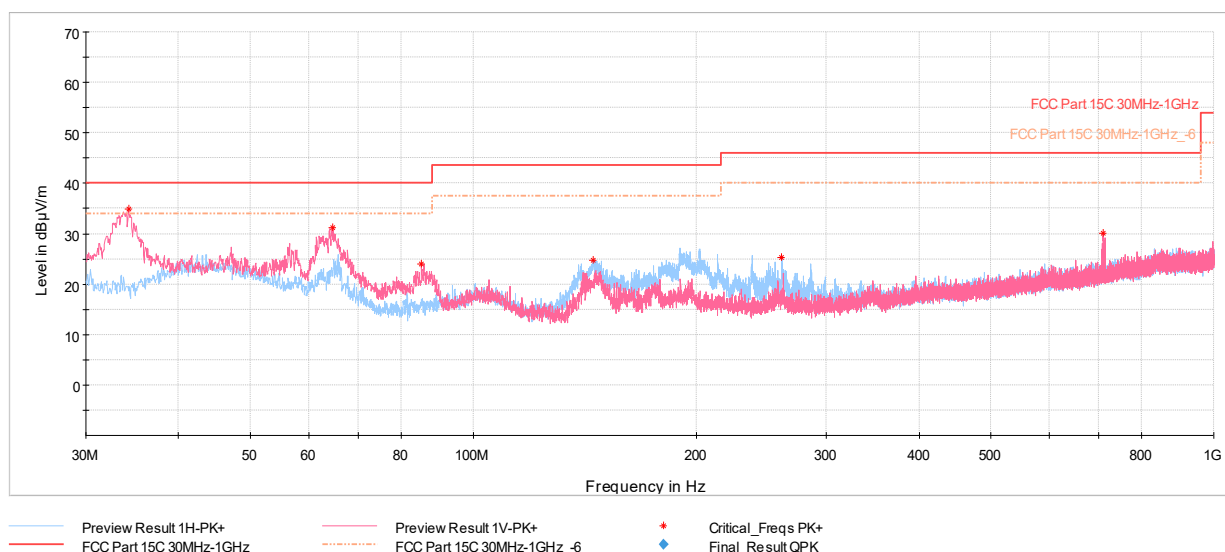
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
34.46	Quasi-Peak	V	100	298	-55.45	-18.67	32.88	40.00	-7.12
62.40	Max-Peak	V	100	353	-58.51	-17.82	30.67	40.00	-9.33
146.45	Max-Peak	H	100	357	-60.69	-21.44	24.87	43.52	-18.65
214.06	Max-Peak	H	100	347	-62.67	-18.15	26.18	43.52	-17.34
285.06	Max-Peak	H	100	275	-67.77	-15.89	23.34	46.02	-22.68
705.46	Max-Peak	V	100	358	-72.02	-7.52	27.46	46.02	-18.56

Table 7-66. Radiated Spurious Emissions Below 1GHz TxBF Primary (NB UNII BDR ePA – 5788MHz), with AC/DC adaptor

FCC ID: BCGA3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170038-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 408 of 416

V 11.0 06/2025

TxBF Diversity



Plot 7-676. Radiated Spurious Emissions Below 1GHz TxBF Diversity (NB UNII BDR ePA – 5788MHz), with AC/DC adaptor

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]
34.27	Quasi-Peak	V	100	17	-58.31	-18.75	29.94	40.00	-10.06
64.68	Max-Peak	H	100	0	-57.36	-18.47	31.17	40.00	-8.83
85.19	Max-Peak	V	100	359	-61.78	-21.21	24.01	40.00	-15.99
145.09	Max-Peak	H	200	358	-60.72	-21.53	24.75	43.52	-18.77
261.10	Max-Peak	H	100	137	-65.62	-16.15	25.23	46.02	-20.79
709.63	Max-Peak	V	200	186	-69.41	-7.43	30.16	46.02	-15.86

Table 7-67. Radiated Spurious Emissions Below 1GHz TxBF Diversity (NB UNII BDR ePA – 5788MHz), with AC/DC adaptor

FCC ID: BCGA3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170038-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 409 of 416

V 11.0 06/2025

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.

7.8 AC Line Conducted Emissions Measurement

§15.207

Test Overview and Limit

All AC line conducted spurious emissions are measured with a receiver connected to a grounded LISN while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates and modes were investigated for AC Line conducted spurious emissions. All data rates and modes were investigated for AC Line conducted spurious emissions.

All conducted emissions must not exceed the limits shown in the table below, per Section 15.207.

Frequency of emission (MHz)	Conducted Limit (dBμV)	
	Quasi-peak	Average
0.15 – 0.5	66 to 56*	56 to 46*
0.5 – 5	56	46
5 – 30	60	50

Table 7-68. Conducted Limits

*Decreases with the logarithm of the frequency.

Test Procedures Used

ANSI C63.10-2020, Subclause 6.2

Test Settings

Quasi-Peak Measurements

1. Analyzer center frequency was set to the frequency of the spurious emission of interest
2. RBW = 9kHz (for emissions from 150kHz – 30MHz)
3. Detector = quasi-peak
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

Average Measurements

1. Analyzer center frequency was set to the frequency of the spurious emission of interest
2. RBW = 9kHz (for emissions from 150kHz – 30MHz)
3. Detector = RMS
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

FCC ID: BCGA3357	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170038-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 410 of 416

V 11.0 06/2025

Test Setup

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

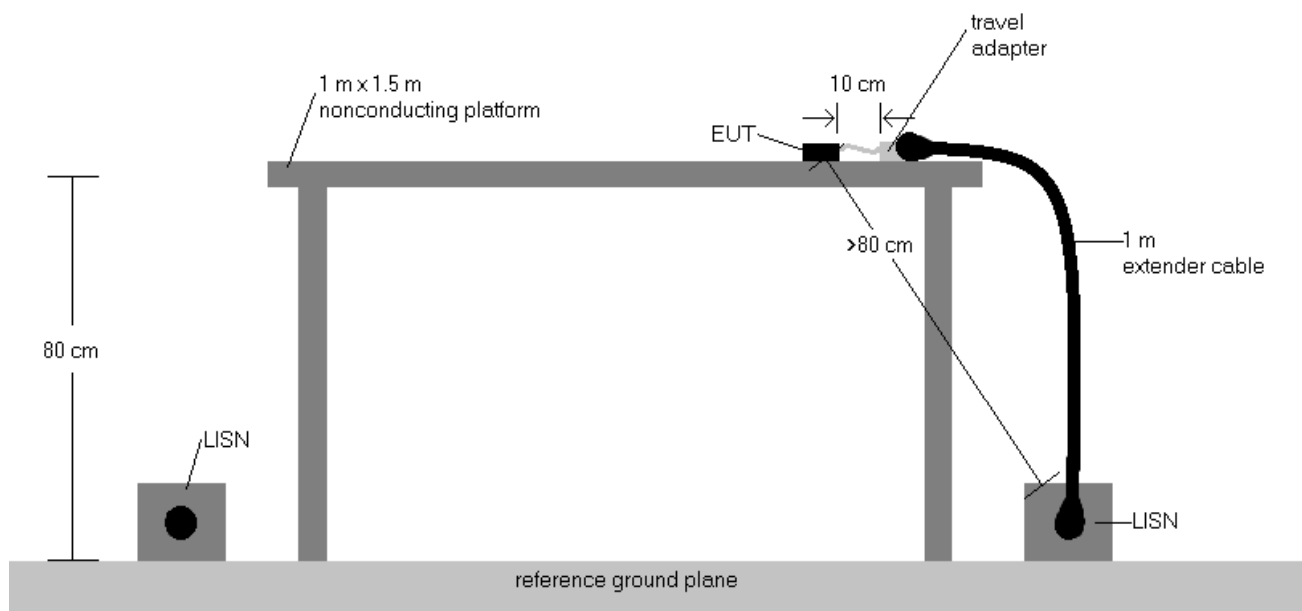


Figure 7-8. Test Instrument & Measurement Setup

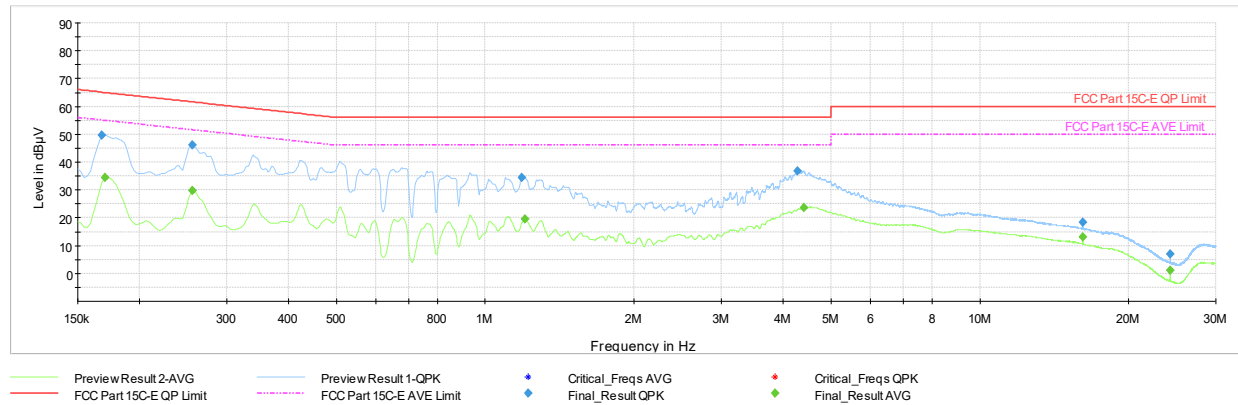
Test Notes

1. All modes of operation were investigated and the worst-case emissions are reported. The emissions found were not affected by the choice of channel used during testing.
2. Both configurations below were investigated, and the worst case has been reported.
 - a. EUT powered by AC/DC adaptor to USB-C cable with wire charger
 - b. EUT powered by host PC via USB-C cable with wire charger
3. The limit for an intentional radiator from 150kHz to 30MHz are specified in 15.207.
4. $\text{Corr. (dB)} = \text{Cable loss (dB)} + \text{LISN insertion factor (dB)}$
5. $\text{QP/AV Level (dB}\mu\text{V)} = \text{QP/AV Analyzer/Receiver Level (dB}\mu\text{V)} + \text{Correction Factor (dB)}$
6. $\text{Margin (dB)} = \text{QP/AV Level (dB}\mu\text{V)} - \text{QP/AV Limit (dB}\mu\text{V)}$
7. Traces shown in plots are made using quasi-peak and average detectors.
8. Deviations to the Specifications: None.

FCC ID: BCGA3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170038-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 411 of 416

V 11.0 06/2025

TxBF Primary



Plot 7-677. AC Line Conducted Plot TxBF (NB UNII BDR ePA – 5788MHz) (L1) with AC/DC adaptor

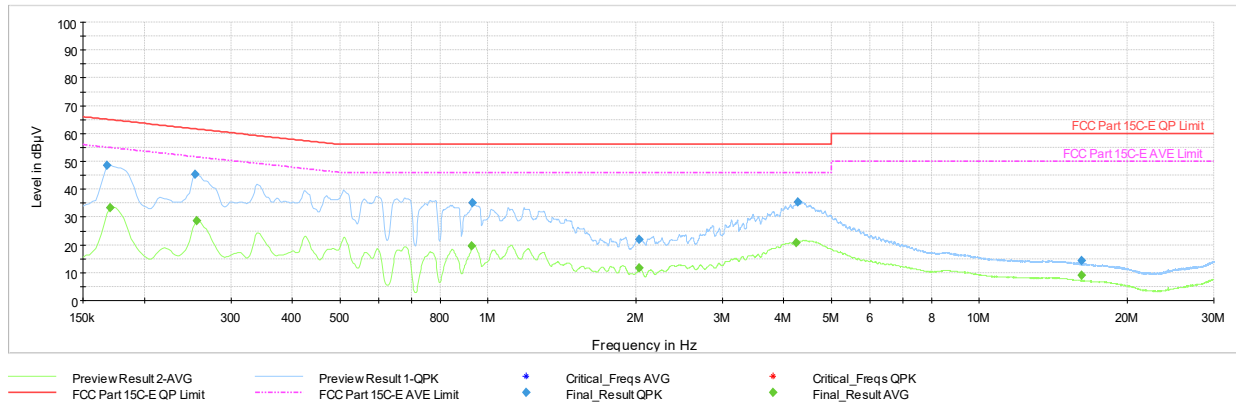
Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.168	FINAL	49.6	—	65.06	-15.45	L1	ON
0.170	FINAL	—	34.34	54.95	-20.61	L1	ON
0.256	FINAL	—	29.62	51.57	-21.94	L1	ON
0.256	FINAL	46.1	—	61.57	-15.45	L1	ON
1.185	FINAL	34.6	—	56.00	-21.44	L1	ON
1.203	FINAL	—	19.40	46.00	-26.60	L1	ON
4.283	FINAL	36.9	—	56.00	-19.15	L1	ON
4.405	FINAL	—	23.72	46.00	-22.28	L1	ON
16.152	FINAL	18.2	—	60.00	-41.78	L1	ON
16.154	FINAL	—	13.19	50.00	-36.81	L1	ON
24.230	FINAL	6.9	—	60.00	-53.14	L1	ON
24.232	FINAL	—	1.12	50.00	-48.88	L1	ON

Table 7-69. AC Line Conducted Data TxBF (NB UNII BDR ePA – 5788MHz) (L1) with AC/DC adaptor

FCC ID: BCGA3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170038-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 412 of 416

V 11.0 06/2025

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 7-678. AC Line Conducted Plot TxBF (NB UNII BDR ePA – 5788MHz) (N) with AC/DC adaptor

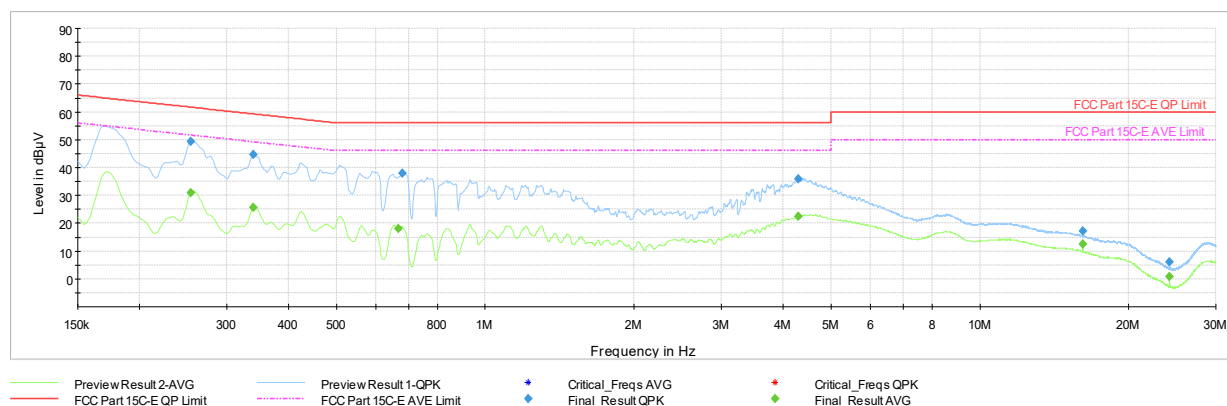
Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.168	FINAL	48.4	—	65.06	-16.66	N	ON
0.170	FINAL	—	33.21	54.95	-21.74	N	ON
0.254	FINAL	45.4	—	61.64	-16.24	N	ON
0.256	FINAL	—	28.64	51.57	-22.93	N	ON
0.929	FINAL	—	19.54	46.00	-26.46	N	ON
0.931	FINAL	35.0	—	56.00	-20.96	N	ON
2.033	FINAL	22.0	—	56.00	-34.05	N	ON
2.033	FINAL	—	11.58	46.00	-34.42	N	ON
4.236	FINAL	—	20.87	46.00	-25.13	N	ON
4.270	FINAL	35.5	—	56.00	-20.50	N	ON
16.136	FINAL	14.5	—	60.00	-45.54	N	ON
16.139	FINAL	—	9.07	50.00	-40.93	N	ON

Table 7-70. AC Line Conducted TxBF (NB UNII BDR ePA – 5788MHz) (N) with AC/DC adaptor

FCC ID: BCGA3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170038-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 413 of 416

V 11.0 06/2025

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.

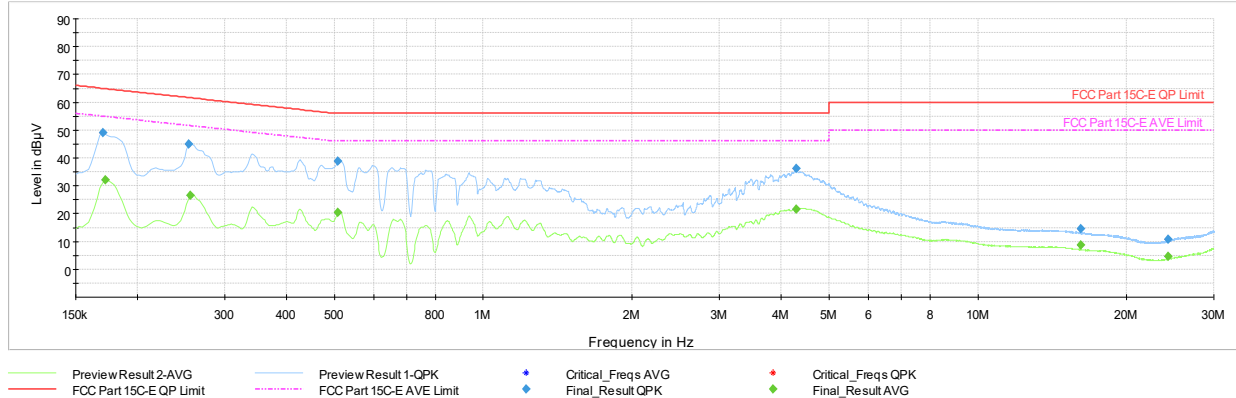


Plot 7-679. AC Line Conducted Plot TxBF (NB UNII BDR ePA – 5788MHz) (L1) with AC/DC adaptor

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.254	FINAL	—	30.88	51.64	-20.77	L1	ON
0.254	FINAL	49.5	—	61.64	-12.19	L1	ON
0.339	FINAL	—	25.73	49.23	-23.49	L1	ON
0.339	FINAL	44.6	—	59.23	-14.62	L1	ON
0.668	FINAL	—	18.14	46.00	-27.86	L1	ON
0.679	FINAL	37.9	—	56.00	-18.11	L1	ON
4.297	FINAL	35.9	—	56.00	-20.07	L1	ON
4.299	FINAL	—	22.44	46.00	-23.56	L1	ON
16.134	FINAL	—	12.58	50.00	-37.42	L1	ON
16.139	FINAL	17.3	—	60.00	-42.75	L1	ON
24.200	FINAL	6.2	—	60.00	-53.82	L1	ON
24.205	FINAL	—	0.70	50.00	-49.30	L1	ON

Table 7-71. AC Line Conducted Data TxBF (NB UNII BDR ePA – 5788MHz) (L1) with AC/DC adaptor

FCC ID: BCGA3357	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170038-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 414 of 416



Plot 7-680. AC Line Conducted Plot TxBF (NB UNII BDR ePA – 5788MHz) (N) with AC/DC adaptor

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.170	FINAL	49.1	—	64.95	-15.87	N	ON
0.173	FINAL	—	31.99	54.84	-22.85	N	ON
0.254	FINAL	44.8	—	61.64	-16.82	N	ON
0.256	FINAL	—	26.67	51.57	-24.89	N	ON
0.508	FINAL	38.8	—	56.00	-17.24	N	ON
0.508	FINAL	—	20.38	46.00	-25.62	N	ON
4.297	FINAL	—	21.66	46.00	-24.34	N	ON
4.301	FINAL	36.1	—	56.00	-19.94	N	ON
16.143	FINAL	14.5	—	60.00	-45.48	N	ON
16.143	FINAL	—	8.75	50.00	-41.25	N	ON
24.216	FINAL	—	4.60	50.00	-45.40	N	ON
24.218	FINAL	10.9	—	60.00	-49.10	N	ON

Table 7-72. AC Line Conducted TxBF (NB UNII BDR ePA – 5788MHz) (N) with AC/DC adaptor

FCC ID: BCGA3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170038-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 415 of 416

V 11.0 06/2025

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.

8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Apple Tablet Device** **FCC ID: BCGA3357** is in compliance with Part 15 Subpart E (15.407) of the FCC Rules.

FCC ID: BCGA3357		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170038-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 416 of 416

V 11.0 06/2025

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.