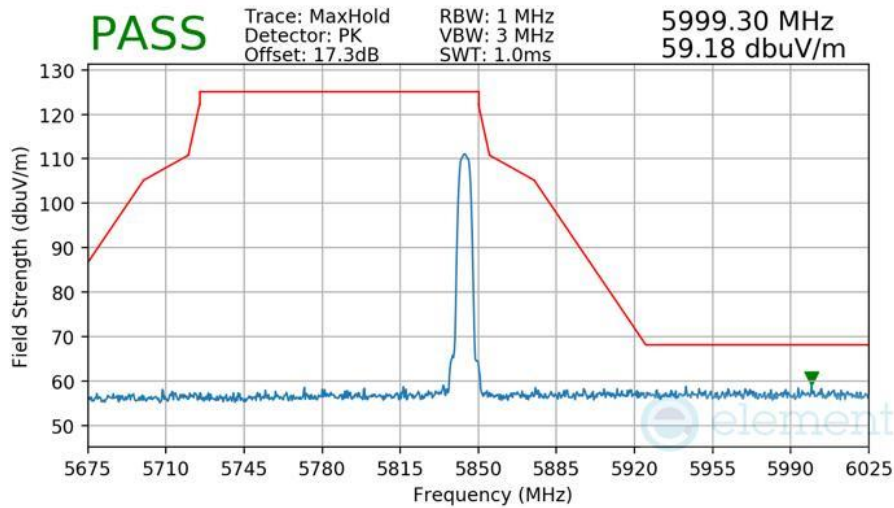
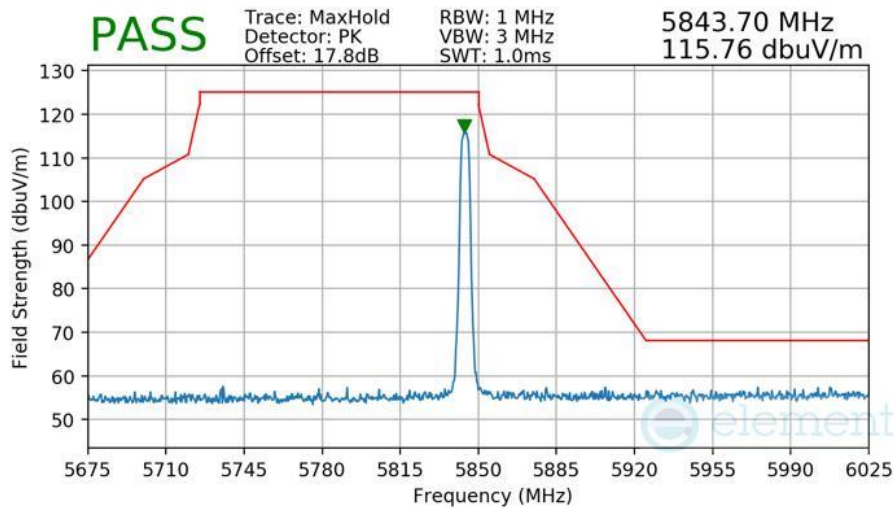


Mode	HDR8
Power Scheme	ePA
Distance of Measurement	3 Meters
Operating Frequency	5844MHz



Plot 7-616 Radiated Higher Band Edge Measurement TxBF Primary

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



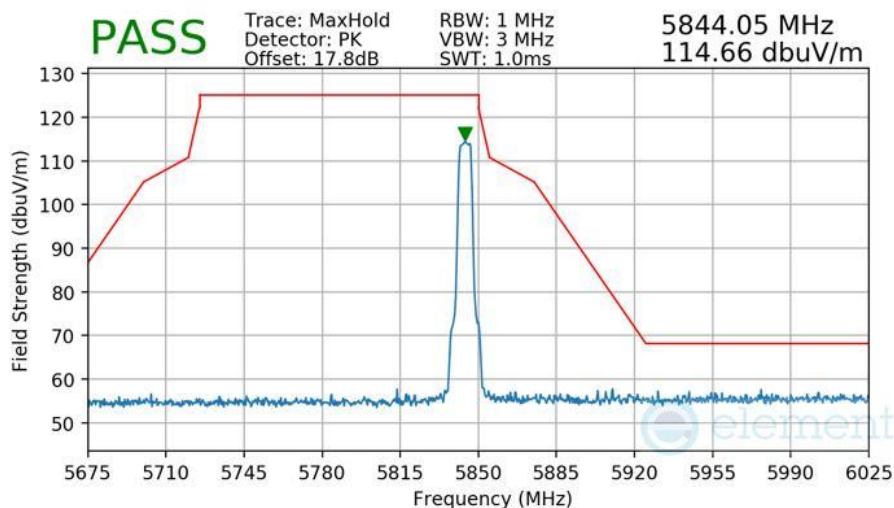
Plot 7-617 Radiated Higher Band Edge Measurement TxBF Primary

FCC ID: BCGA3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-19-R1.BCG	Test Dates: 05/12/2025 - 09/05/2025	EUT Type: Tablet Device	Page 387 of 432

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Mode
Power Scheme
Distance of Measurement
Operating Frequency

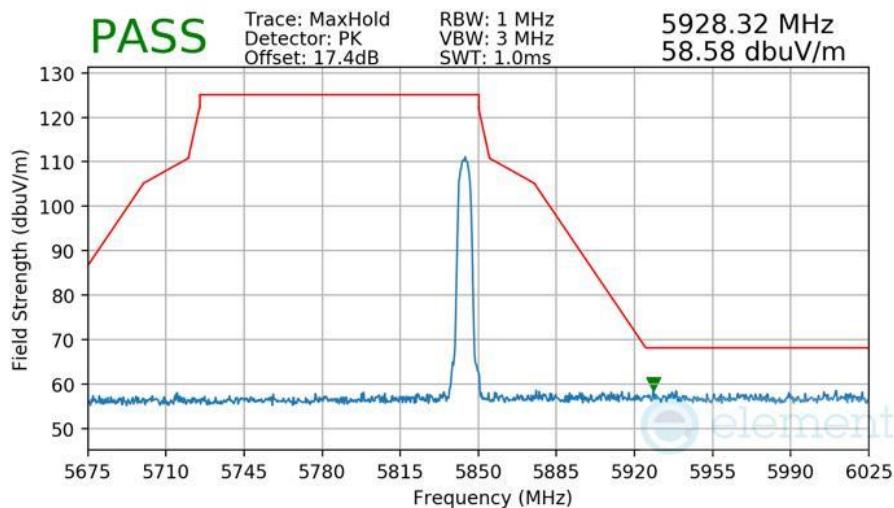
XHDRPM8
 ePA
 3 Meters
 5844MHz



Plot 7-618 Radiated Higher Band Edge Measurement TxBF Primary

Mode
Power Scheme
Distance of Measurement
Operating Frequency

XHDRPM16
 ePA
 3 Meters
 5844MHz

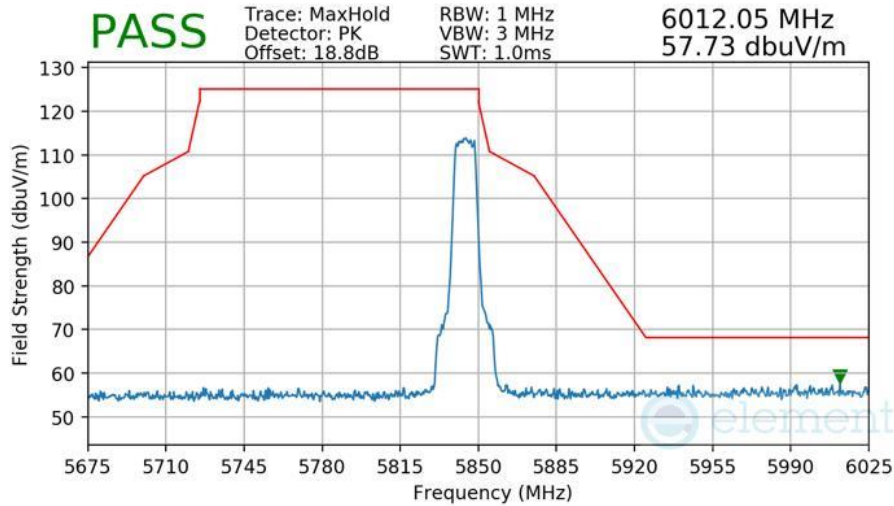


Plot 7-619 Radiated Higher Band Edge Measurement TxBF Primary

FCC ID: BCGA3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-19-R1.BCG	Test Dates: 05/12/2025 - 09/05/2025	EUT Type: Tablet Device	Page 388 of 432

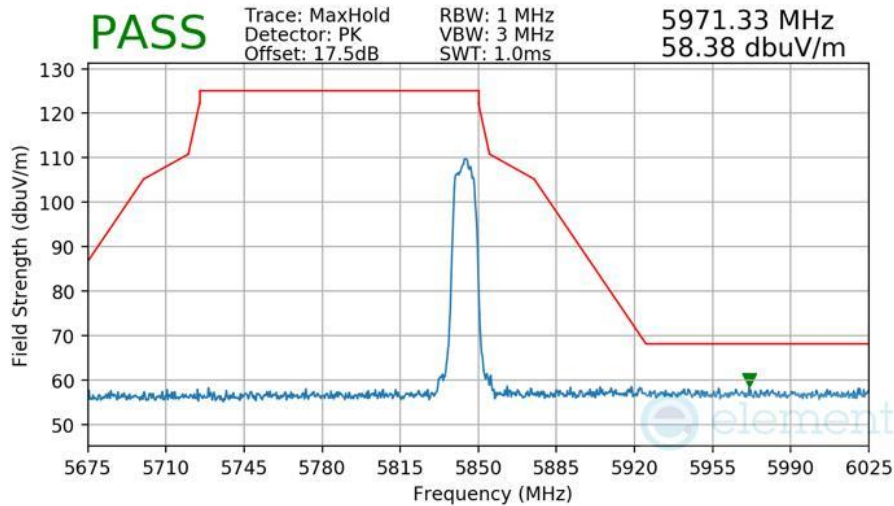
V 11.0 06/2025

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



Plot 7-620 Radiated Higher Band Edge Measurement TxBF Primary

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

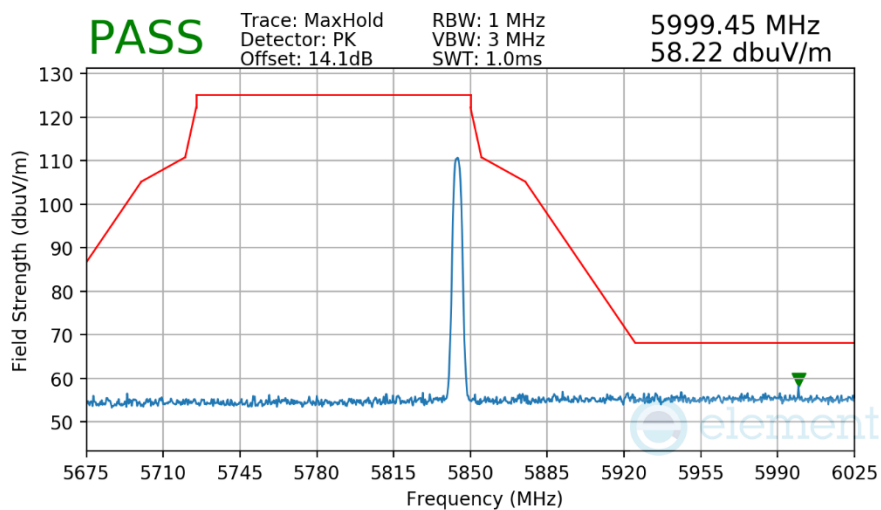


Plot 7-621 Radiated Higher Band Edge Measurement TxBF Primary

FCC ID: BCGA3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-19-R1.BCG	Test Dates: 05/12/2025 - 09/05/2025	EUT Type: Tablet Device	Page 389 of 432

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



Plot 7-622 Radiated Higher Band Edge Measurement TxBF Primary

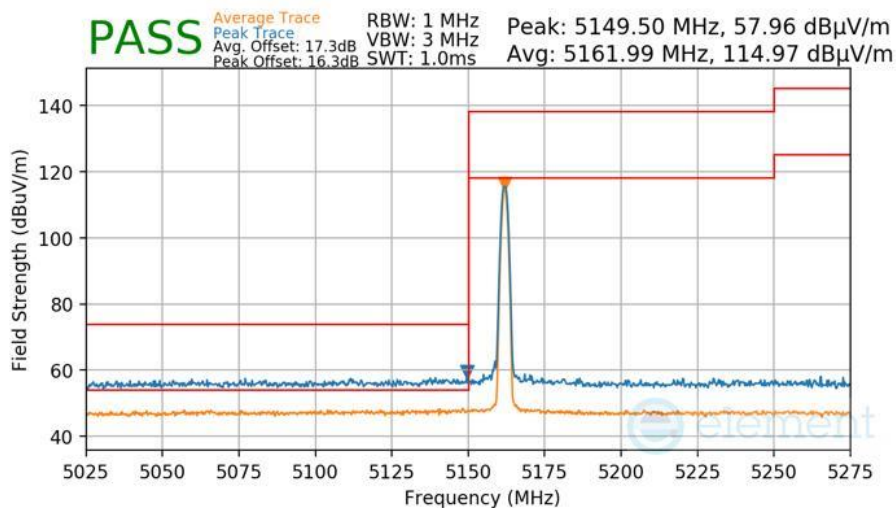
FCC ID: BCGA3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-19-R1.BCG	Test Dates: 05/12/2025 - 09/05/2025	EUT Type: Tablet Device	Page 390 of 432

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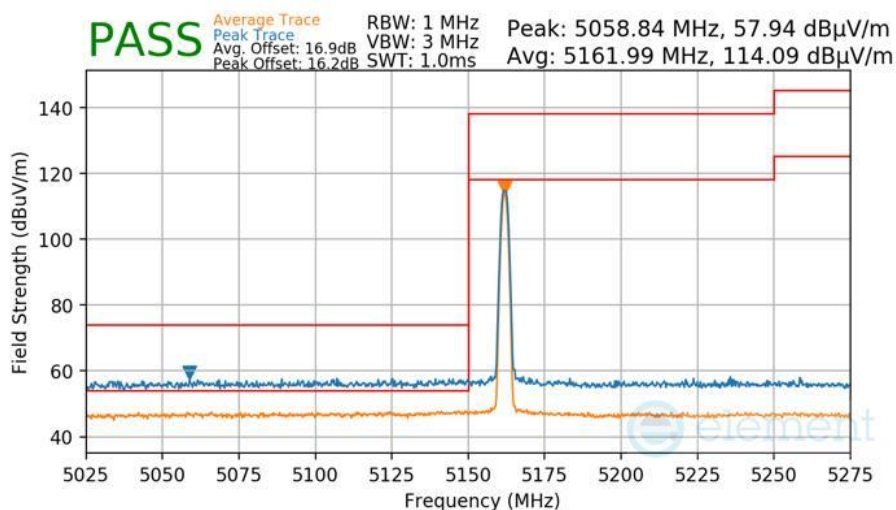
7.6.11 TxBF Diversity Radiated Band Edge Measurements (U-NII-1)

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



Plot 7-623 Radiated Lower Band Edge Measurement TxBF Diversity

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

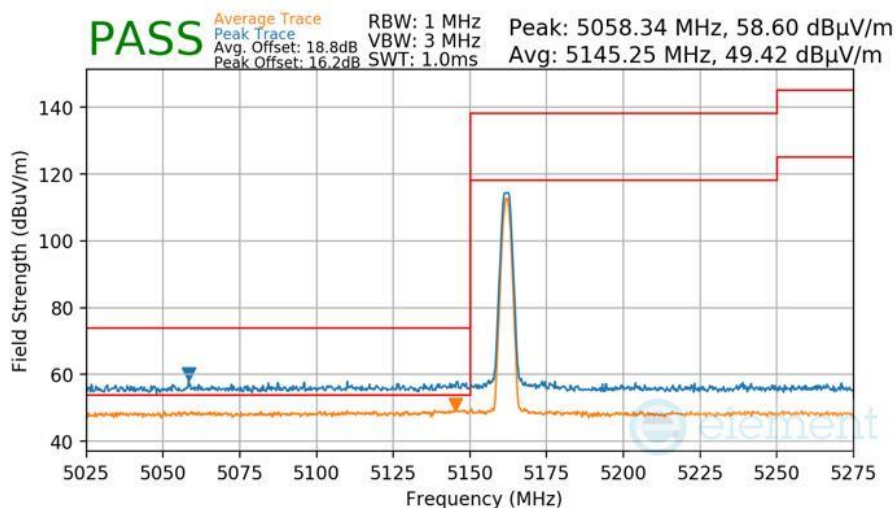


Plot 7-624 Radiated Lower Band Edge Measurement TxBF Diversity

FCC ID: BCGA3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-19-R1.BCG	Test Dates: 05/12/2025 - 09/05/2025	EUT Type: Tablet Device	Page 391 of 432

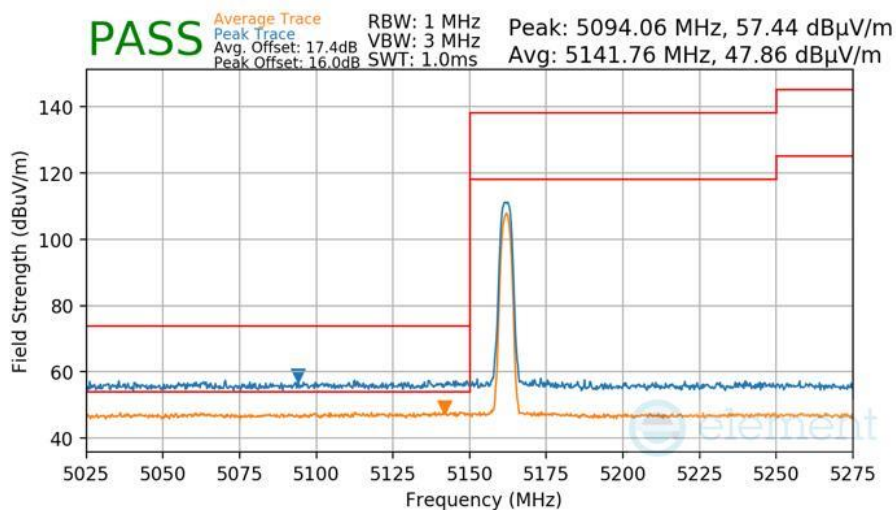
V 11.0 06/2025

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



Plot 7-625 Radiated Lower Band Edge Measurement TxBF Diversity

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



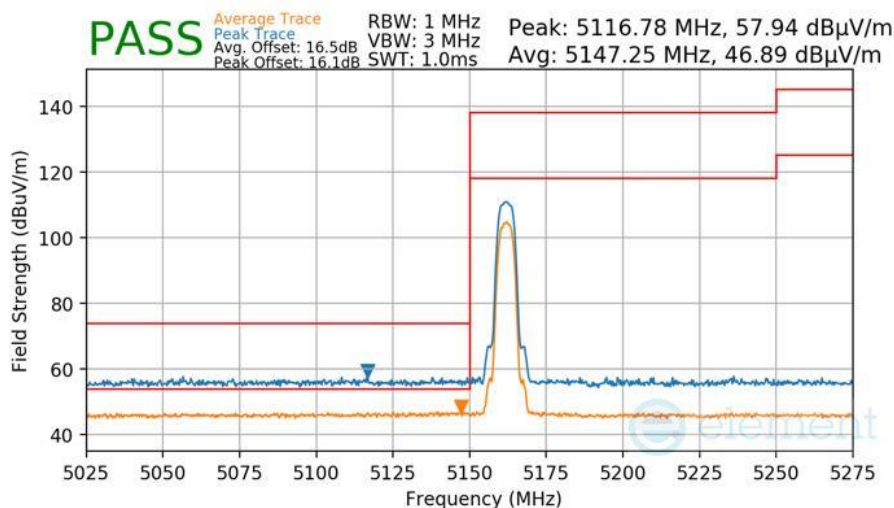
Plot 7-626 Radiated Lower Band Edge Measurement TxBF Diversity

FCC ID: BCGA3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-19-R1.BCG	Test Dates: 05/12/2025 - 09/05/2025	EUT Type: Tablet Device	Page 392 of 432

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Mode
Power Scheme
Distance of Measurement
Operating Frequency

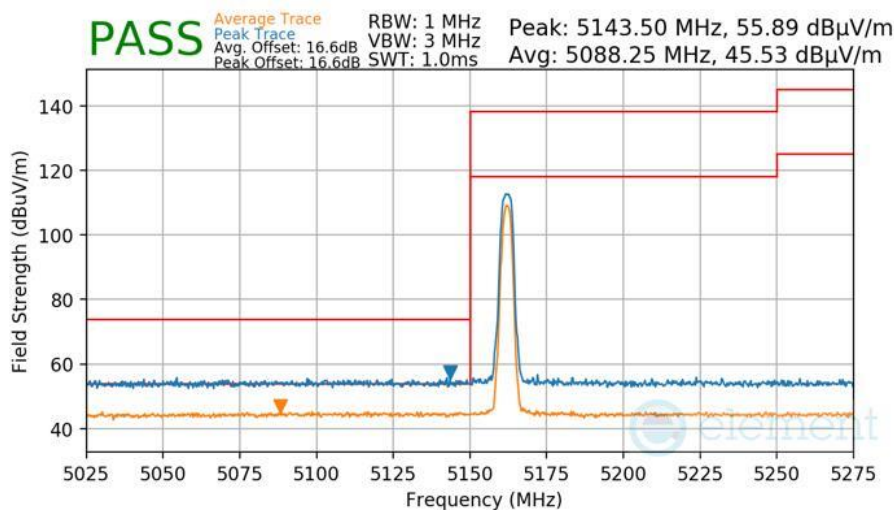
HDR8
 ePA
 3 Meters
 5162MHz



Plot 7-627 Radiated Lower Band Edge Measurement TxBF Diversity

Mode
Power Scheme
Distance of Measurement
Operating Frequency

XHDRPS2
 ePA
 3 Meters
 5162MHz



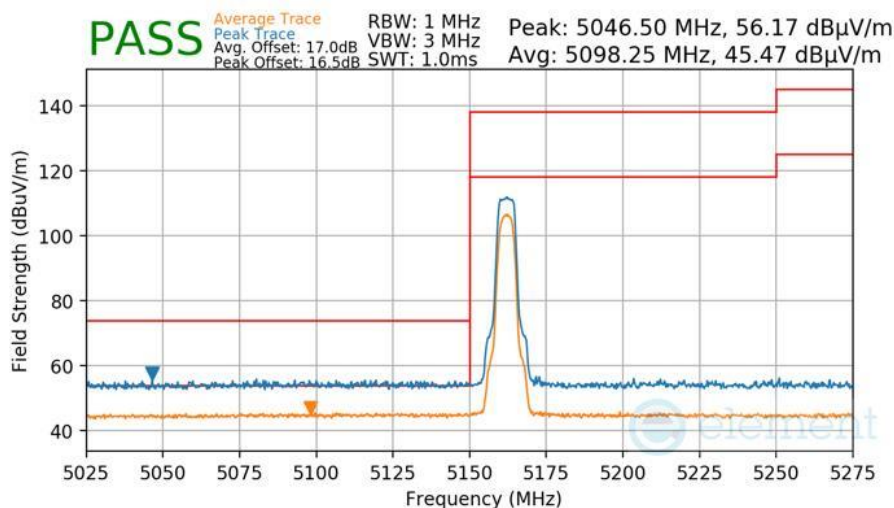
Plot 7-628 Radiated Lower Band Edge Measurement TxBF Diversity

FCC ID: BCGA3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-19-R1.BCG	Test Dates: 05/12/2025 - 09/05/2025	EUT Type: Tablet Device	Page 393 of 432

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Mode
Power Scheme
Distance of Measurement
Operating Frequency

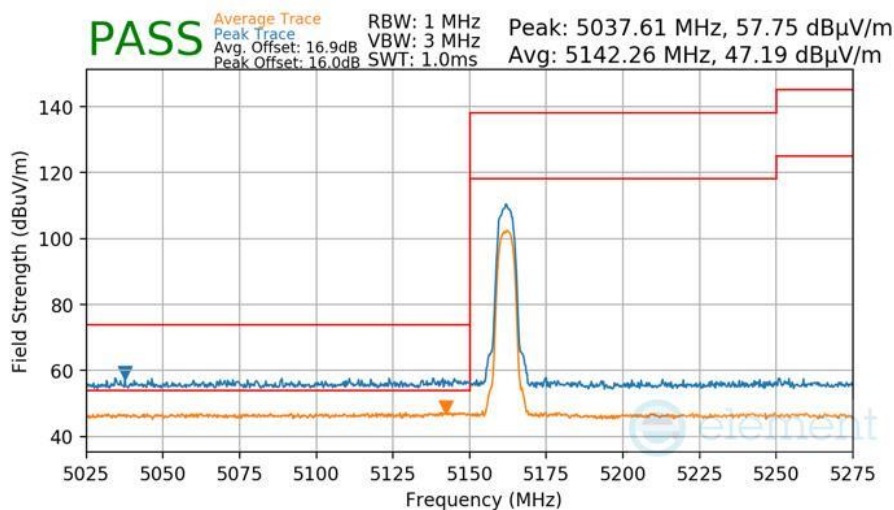
XHDRPM8
 ePA
 3 Meters
 5162MHz



Plot 7-629 Radiated Lower Band Edge Measurement TxBF Diversity

Mode
Power Scheme
Distance of Measurement
Operating Frequency

XHDRPM16
 ePA
 3 Meters
 5162MHz

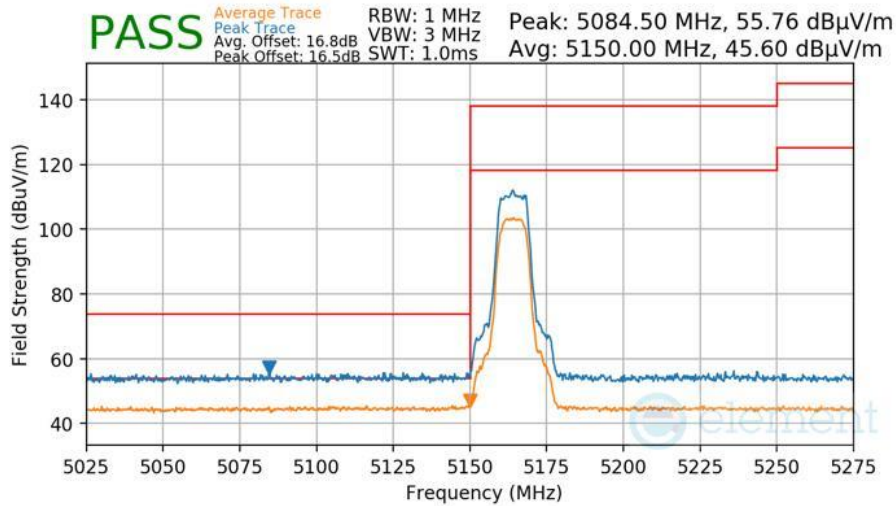


Plot 7-630 Radiated Lower Band Edge Measurement TxBF Diversity

FCC ID: BCGA3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-19-R1.BCG	Test Dates: 05/12/2025 - 09/05/2025	EUT Type: Tablet Device	Page 394 of 432

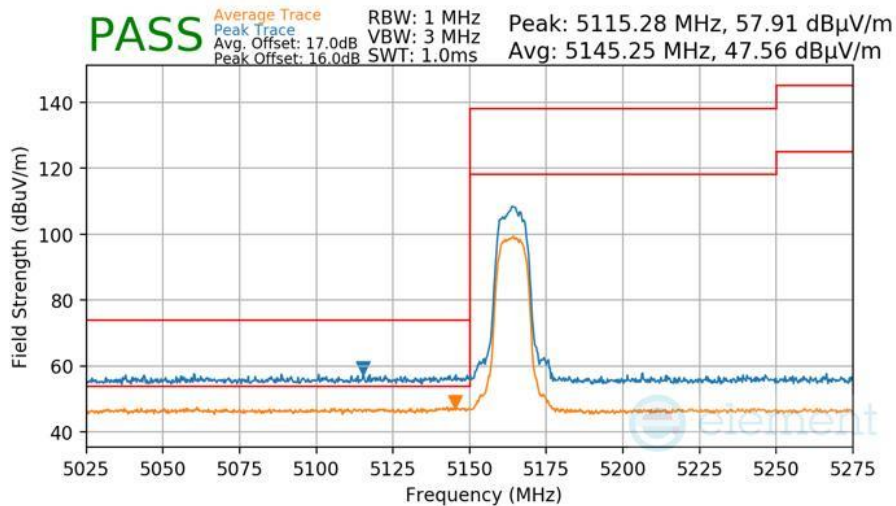
V 11.0 06/2025

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



Plot 7-631 Radiated Lower Band Edge Measurement TxBF Diversity

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



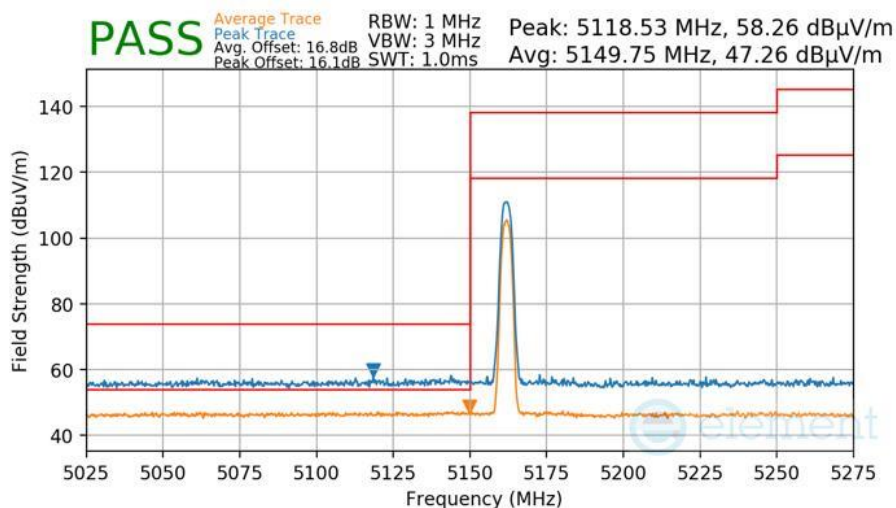
Plot 7-632 Radiated Lower Band Edge Measurement TxBF Diversity

FCC ID: BCGA3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-19-R1.BCG	Test Dates: 05/12/2025 - 09/05/2025	EUT Type: Tablet Device	Page 395 of 432

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Mode
Power Scheme
Distance of Measurement
Operating Frequency

HDT8
 ePA
 3 Meters
 5162MHz



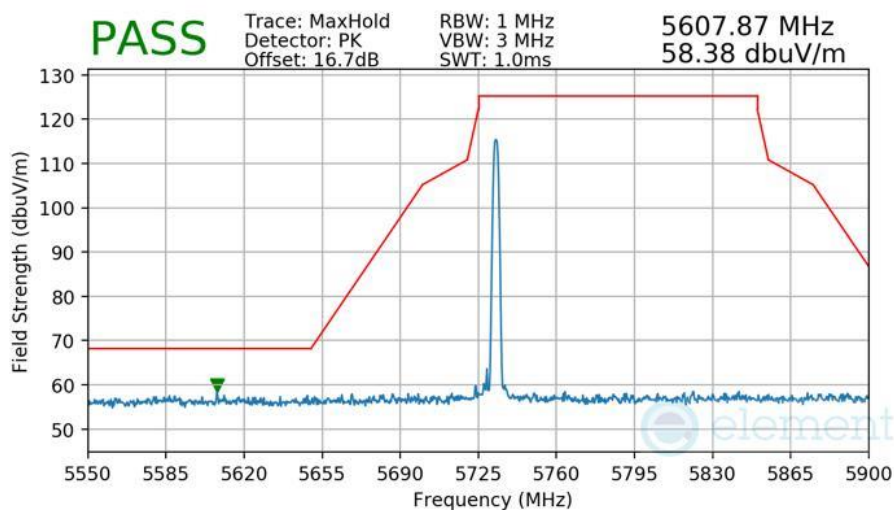
Plot 7-633 Radiated Lower Band Edge Measurement TxBF Diversity

FCC ID: BCGA3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-19-R1.BCG	Test Dates: 05/12/2025 - 09/05/2025	EUT Type: Tablet Device	Page 396 of 432

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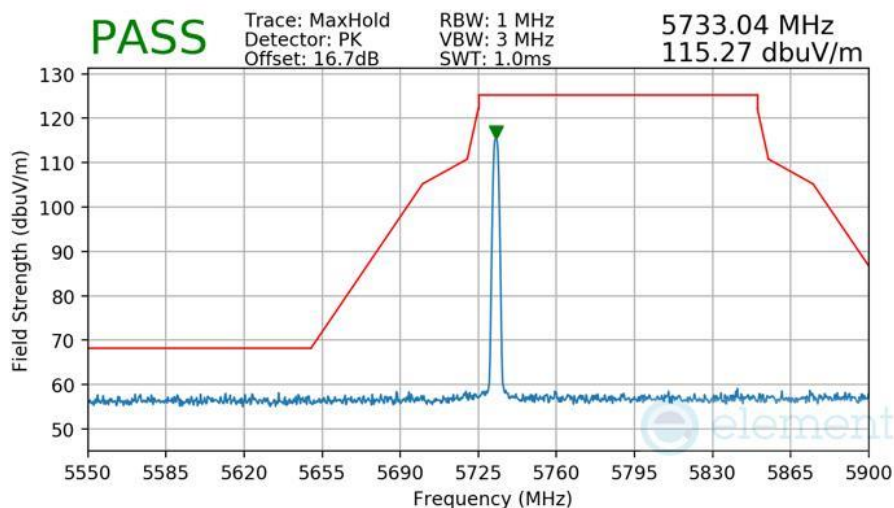
7.6.12 TxBF Diversity Radiated Band Edge Measurements (U-NII-3)

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



Plot 7-634 Radiated Lower Band Edge Measurement TxBF Diversity

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

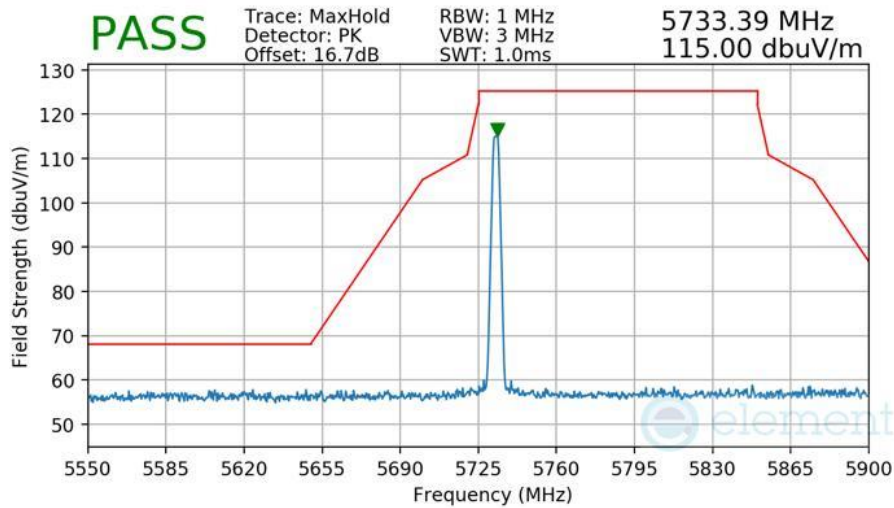


Plot 7-635 Radiated Lower Band Edge Measurement TxBF Diversity

FCC ID: BCGA3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-19-R1.BCG	Test Dates: 05/12/2025 - 09/05/2025	EUT Type: Tablet Device	Page 397 of 432

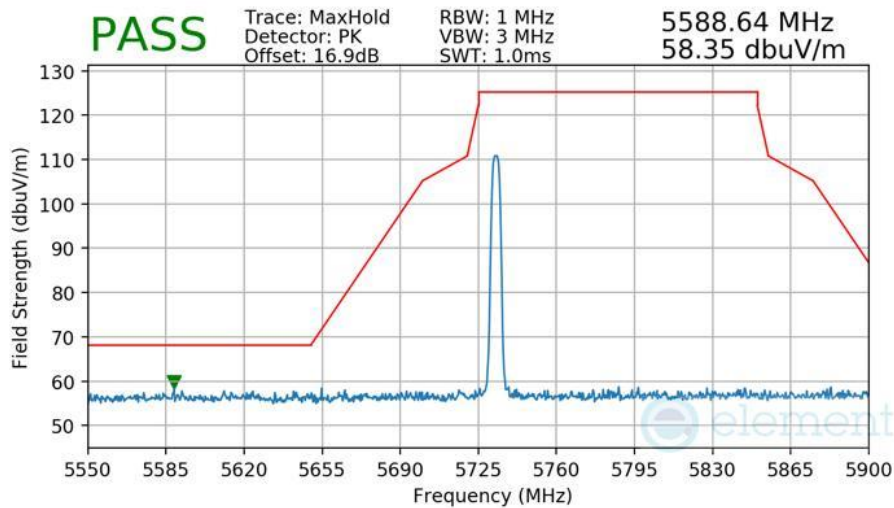
V 11.0 06/2025

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



Plot 7-636 Radiated Lower Band Edge Measurement TxBF Diversity

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

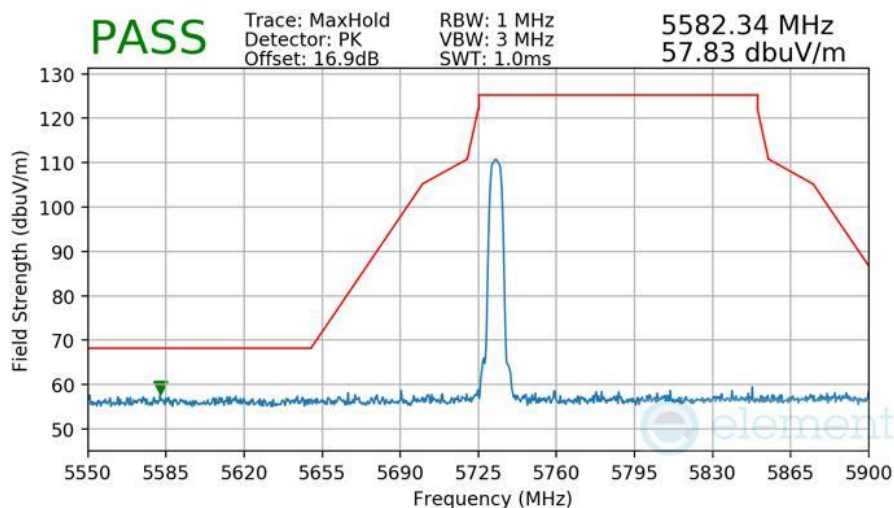


Plot 7-637 Radiated Lower Band Edge Measurement TxBF Diversity

FCC ID: BCGA3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-19-R1.BCG	Test Dates: 05/12/2025 - 09/05/2025	EUT Type: Tablet Device	Page 398 of 432

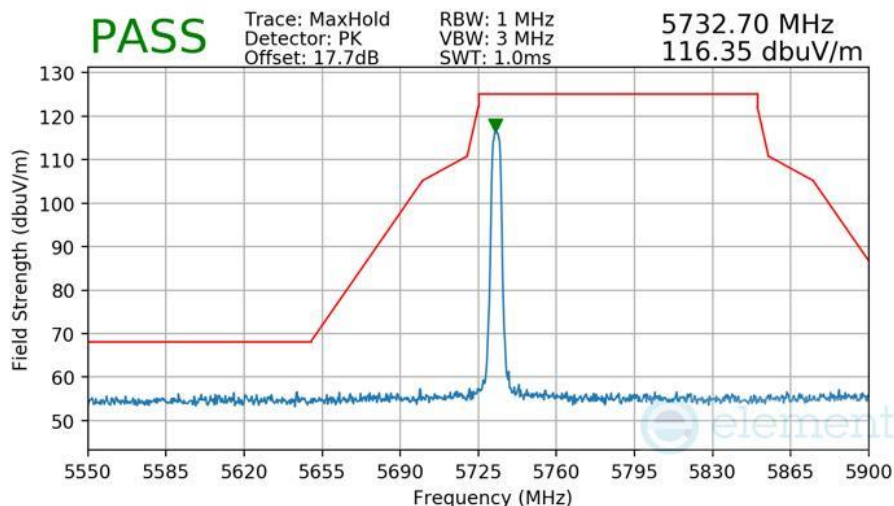
V 11.0 06/2025

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



Plot 7-638 Radiated Lower Band Edge Measurement TxBF Diversity

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

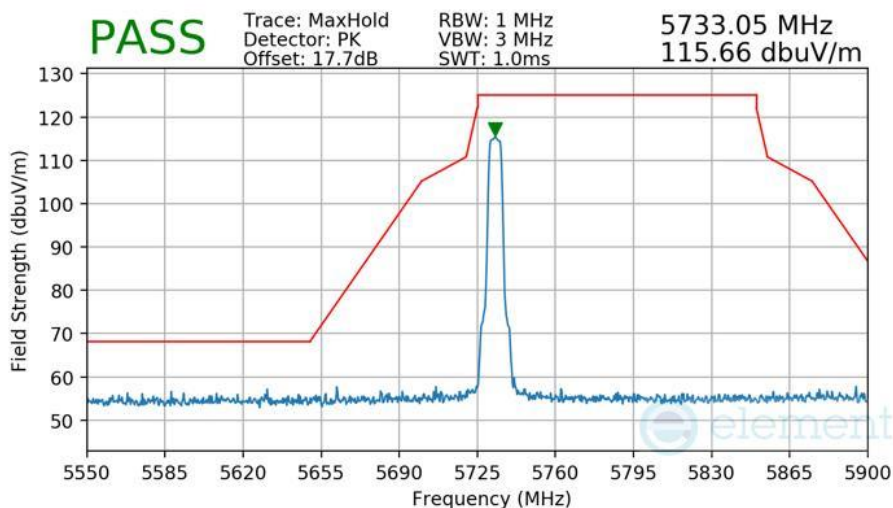


Plot 7-639 Radiated Lower Band Edge Measurement TxBF Diversity

FCC ID: BCGA3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-19-R1.BCG	Test Dates: 05/12/2025 - 09/05/2025	EUT Type: Tablet Device	Page 399 of 432

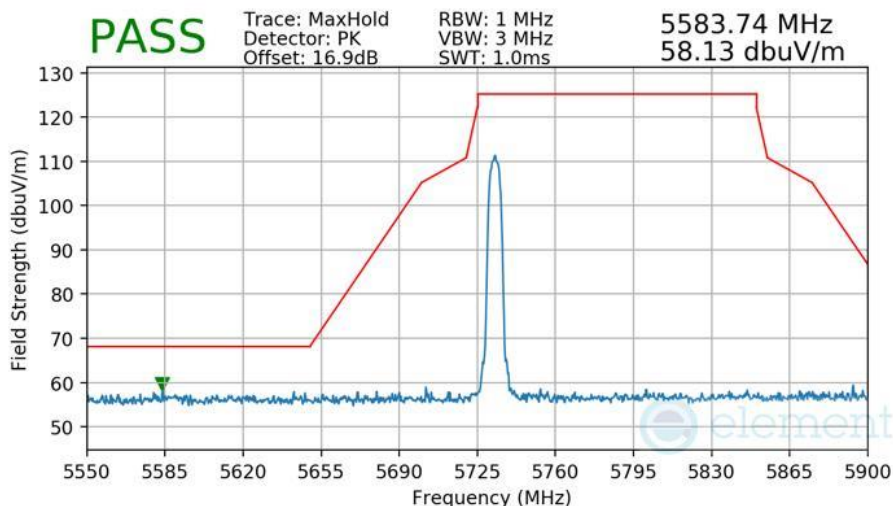
V 11.0 06/2025

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



Plot 7-640 Radiated Lower Band Edge Measurement TxBF Diversity

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

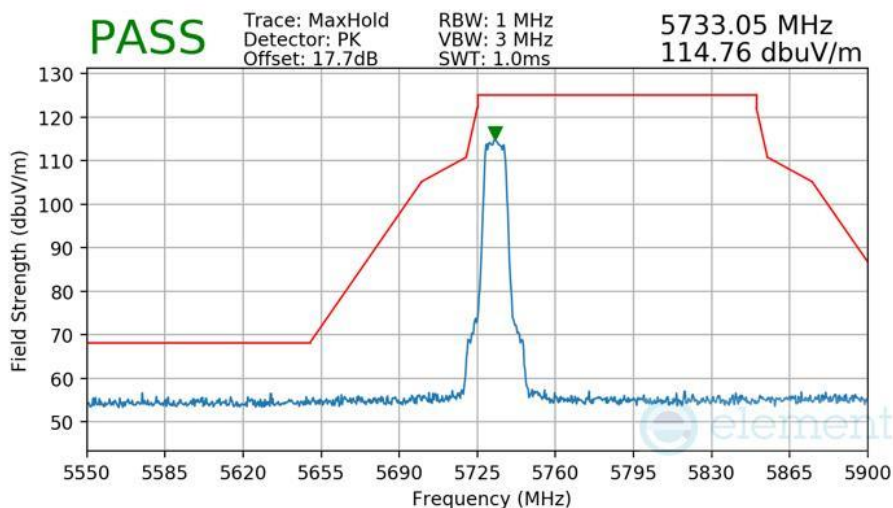


Plot 7-641 Radiated Lower Band Edge Measurement TxBF Diversity

FCC ID: BCGA3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-19-R1.BCG	Test Dates: 05/12/2025 - 09/05/2025	EUT Type: Tablet Device	Page 400 of 432

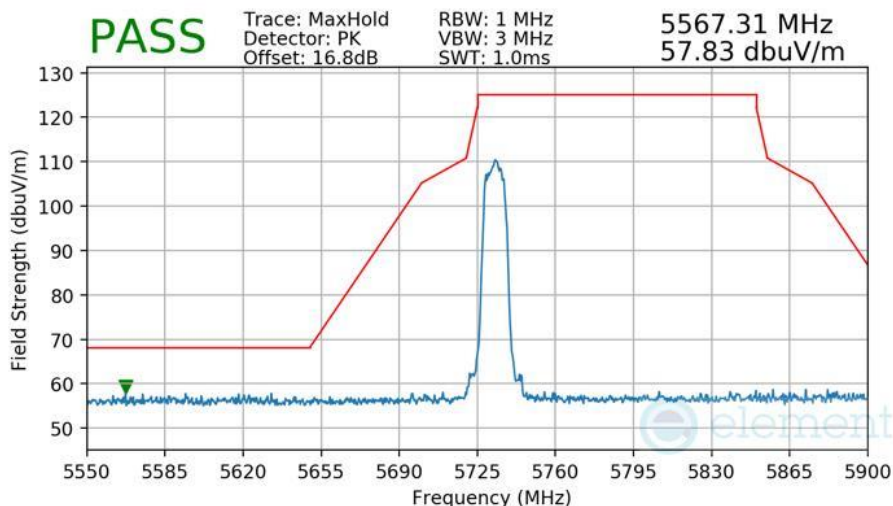
V 11.0 06/2025

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



Plot 7-642 Radiated Lower Band Edge Measurement TxBF Diversity

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

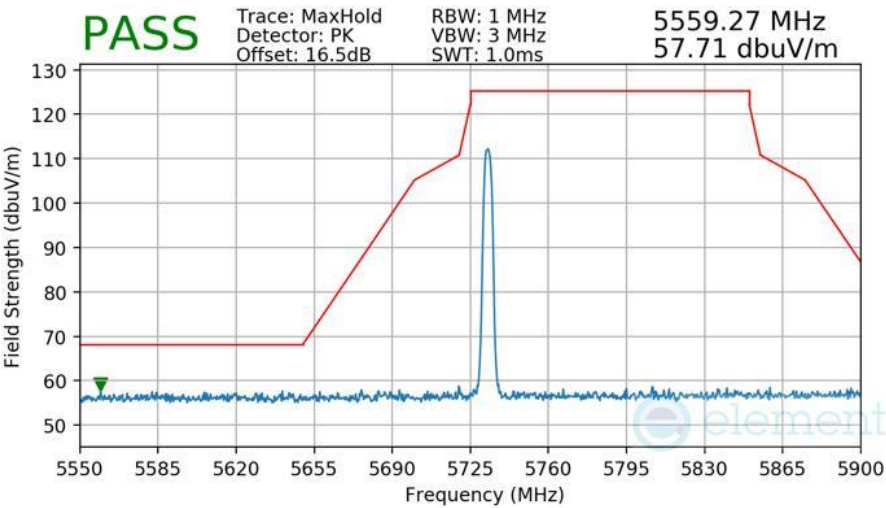


Plot 7-643 Radiated Lower Band Edge Measurement TxBF Diversity

FCC ID: BCGA3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-19-R1.BCG	Test Dates: 05/12/2025 - 09/05/2025	EUT Type: Tablet Device	Page 401 of 432

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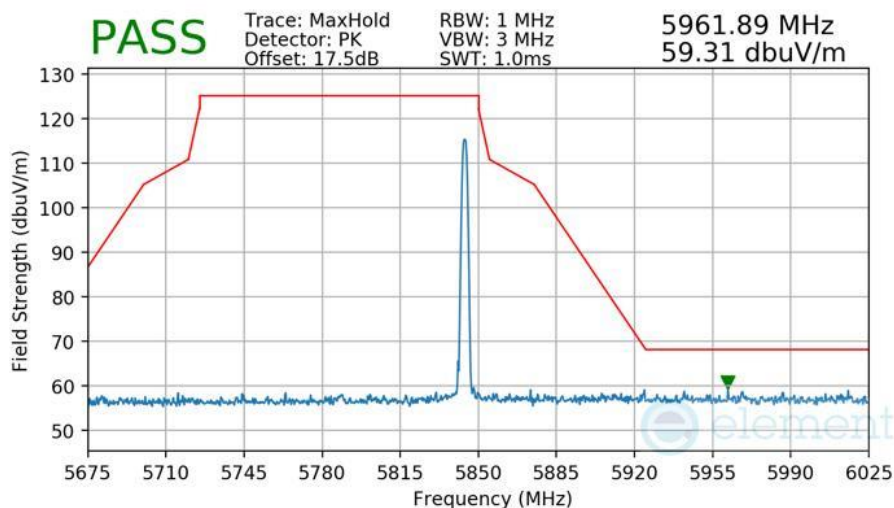
Mode	HDT8
Power Scheme	ePA
Distance of Measurement	3 Meters
Operating Frequency	5733MHz



Plot 7-644 Radiated Lower Band Edge Measurement TxBF Diversity

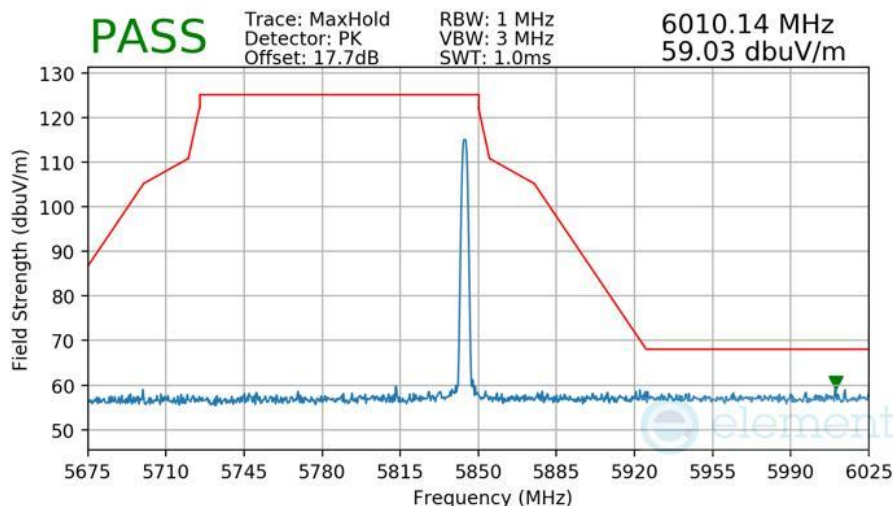
FCC ID: BCGA3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-19-R1.BCG	Test Dates: 05/12/2025 - 09/05/2025	EUT Type: Tablet Device	Page 402 of 432

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



Plot 7-645 Radiated Higher Band Edge Measurement TxBF Diversity

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

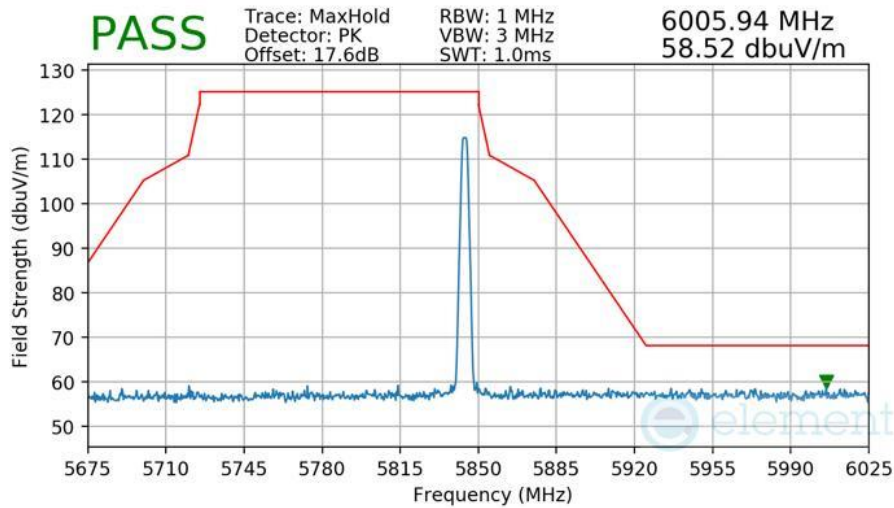


Plot 7-646 Radiated Higher Band Edge Measurement TxBF Diversity

FCC ID: BCGA3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-19-R1.BCG	Test Dates: 05/12/2025 - 09/05/2025	EUT Type: Tablet Device	Page 403 of 432

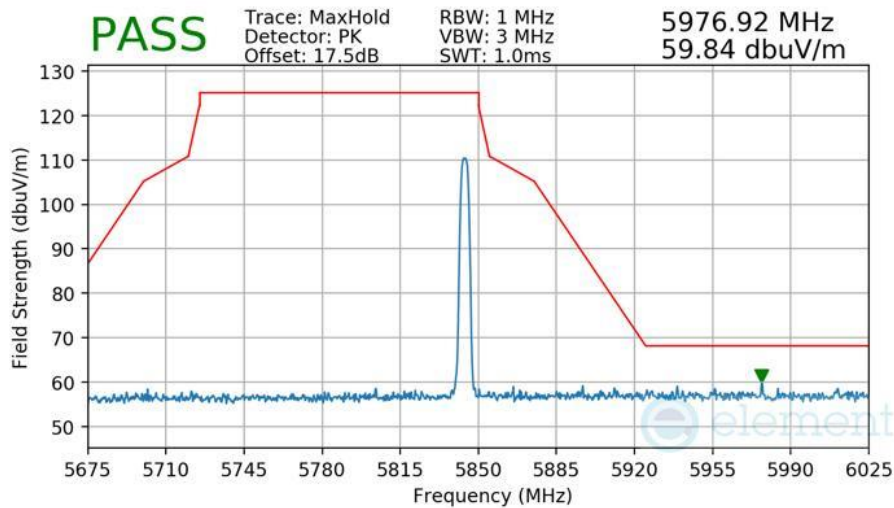
V 11.0 06/2025

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



Plot 7-647 Radiated Higher Band Edge Measurement TxBF Diversity

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

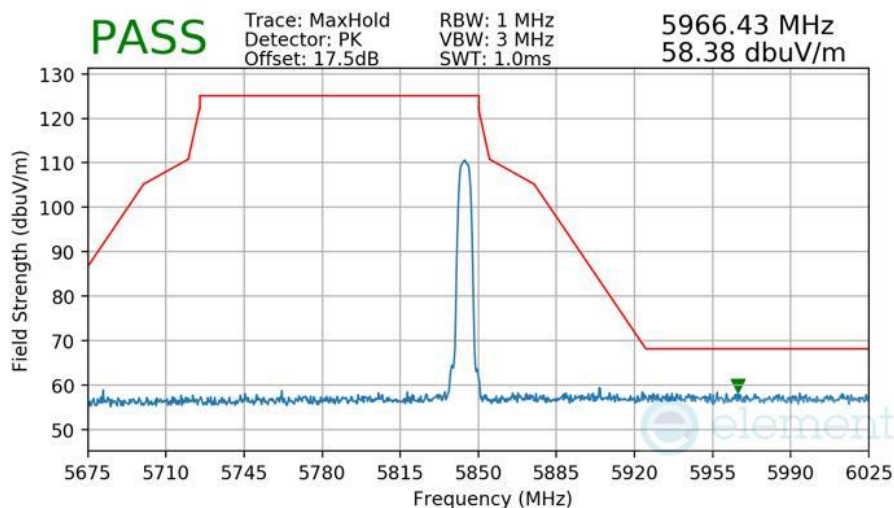


Plot 7-648 Radiated Higher Band Edge Measurement TxBF Diversity

FCC ID: BCGA3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-19-R1.BCG	Test Dates: 05/12/2025 - 09/05/2025	EUT Type: Tablet Device	Page 404 of 432

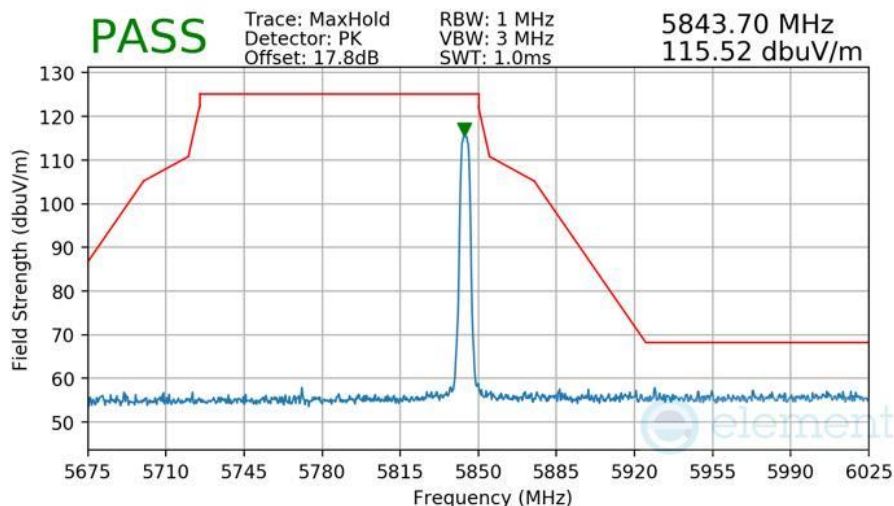
V 11.0 06/2025

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



Plot 7-649 Radiated Higher Band Edge Measurement TxBF Diversity

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



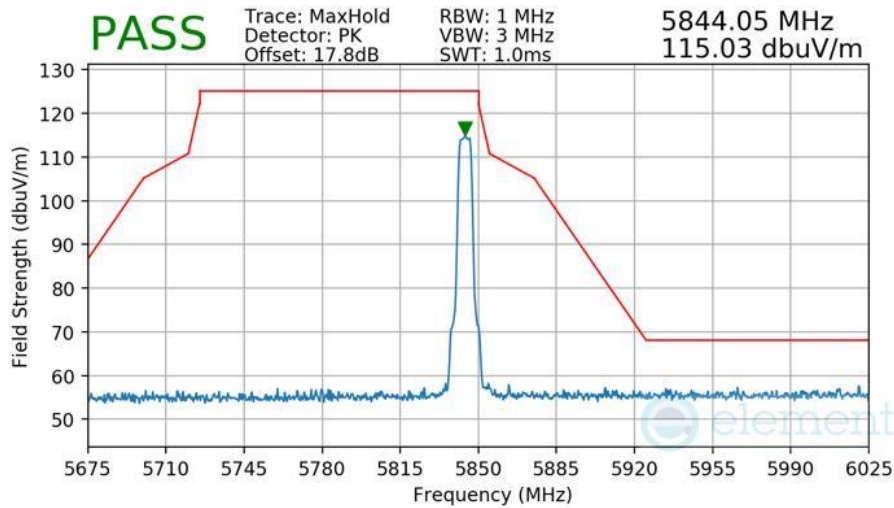
Plot 7-650 Radiated Higher Band Edge Measurement TxBF Diversity

FCC ID: BCGA3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-19-R1.BCG	Test Dates: 05/12/2025 - 09/05/2025	EUT Type: Tablet Device	Page 405 of 432

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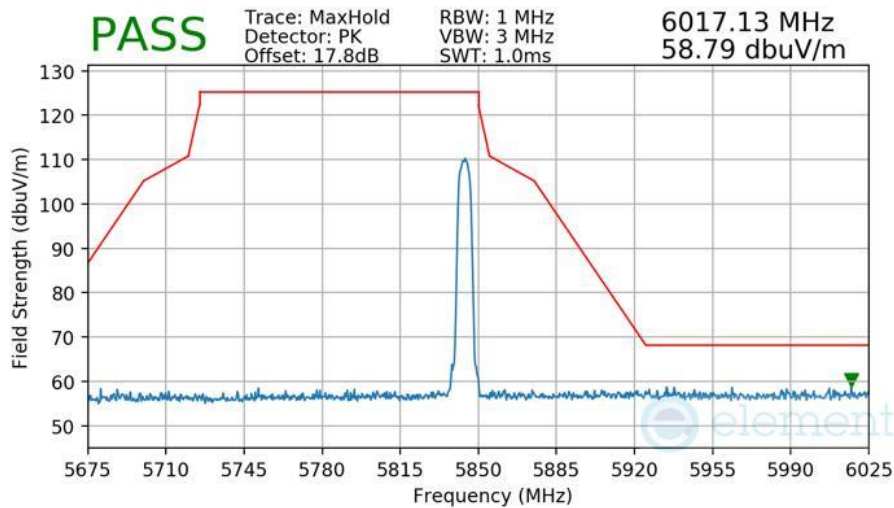
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Mode	XHDRPM8
Power Scheme	ePA
Distance of Measurement	3 Meters
Operating Frequency	5844MHz



Plot 7-651 Radiated Higher Band Edge Measurement TxBF Diversity

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



Plot 7-652 Radiated Higher Band Edge Measurement TxBF Diversity

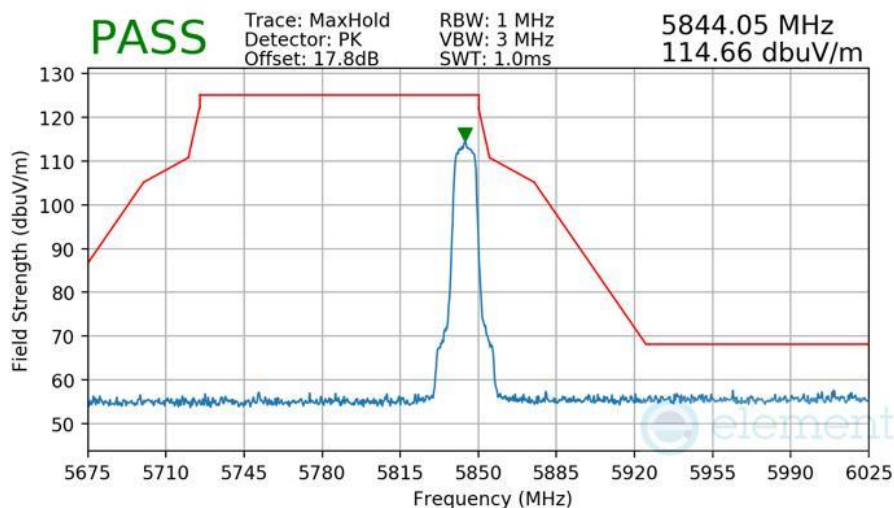
FCC ID: BCGA3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-19-R1.BCG	Test Dates: 05/12/2025 - 09/05/2025	EUT Type: Tablet Device	Page 406 of 432

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Mode
Power Scheme
Distance of Measurement
Operating Frequency

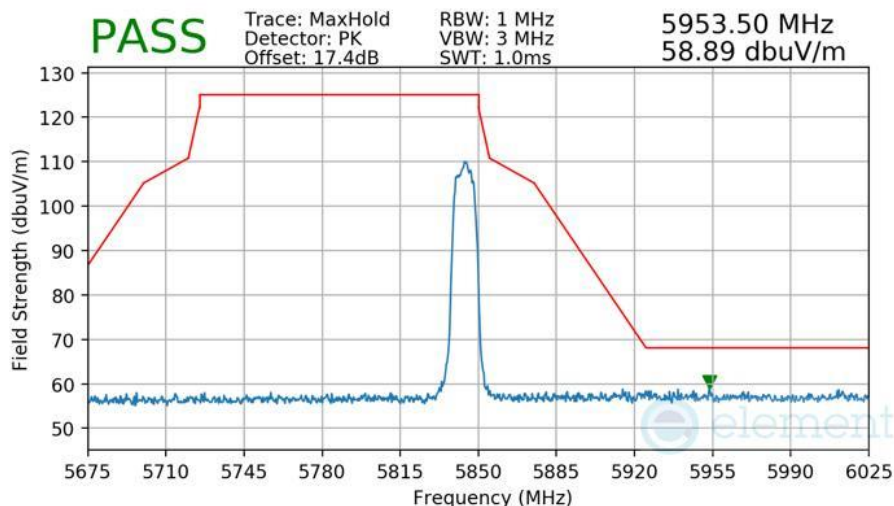
XHDRPL16
 ePA
 3 Meters
 5844MHz



Plot 7-653 Radiated Higher Band Edge Measurement TxBF Diversity

Mode
Power Scheme
Distance of Measurement
Operating Frequency

XHDRPL32
 ePA
 3 Meters
 5844MHz

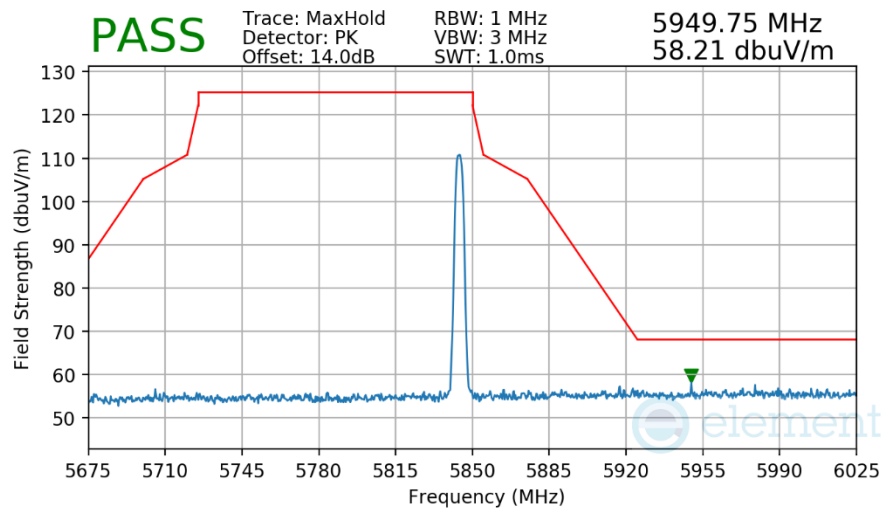


Plot 7-654 Radiated Higher Band Edge Measurement TxBF Diversity

FCC ID: BCGA3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Mode	HDT8
Power Scheme	ePA
Distance of Measurement	3 Meters
Operating Frequency	5844MHz



Plot 7-655 Radiated Higher Band Edge Measurement TxBF Diversity

FCC ID: BCGA3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170041-19-R1.BCG	Test Dates: 05/12/2025 - 09/05/2025	EUT Type: Tablet Device	Page 408 of 432

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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

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Test Setup

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

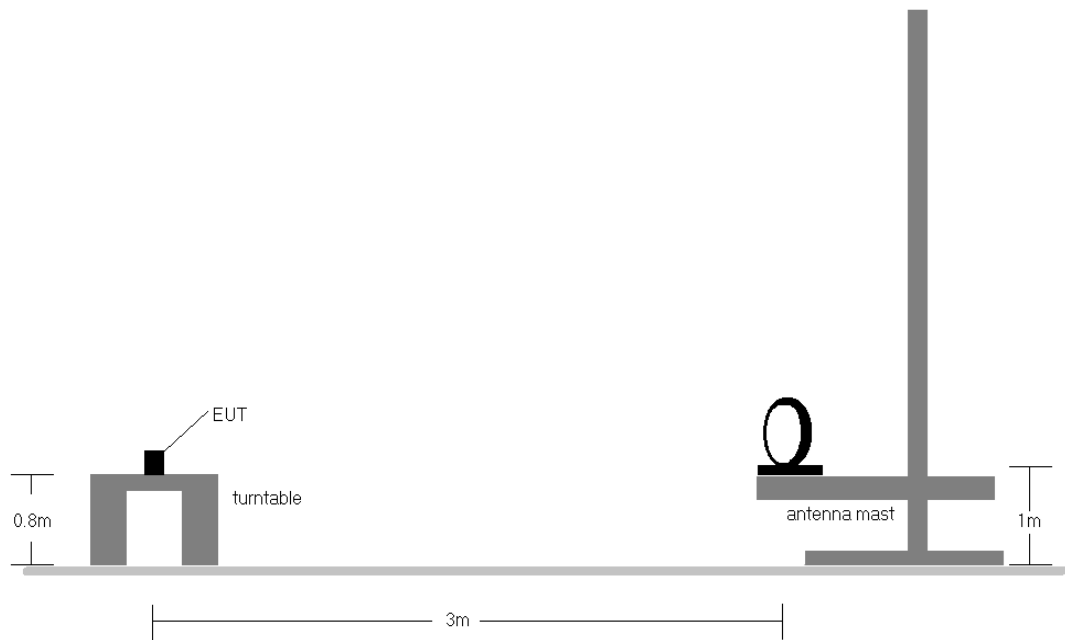


Figure 7-6. Radiated Test Setup < 30MHz

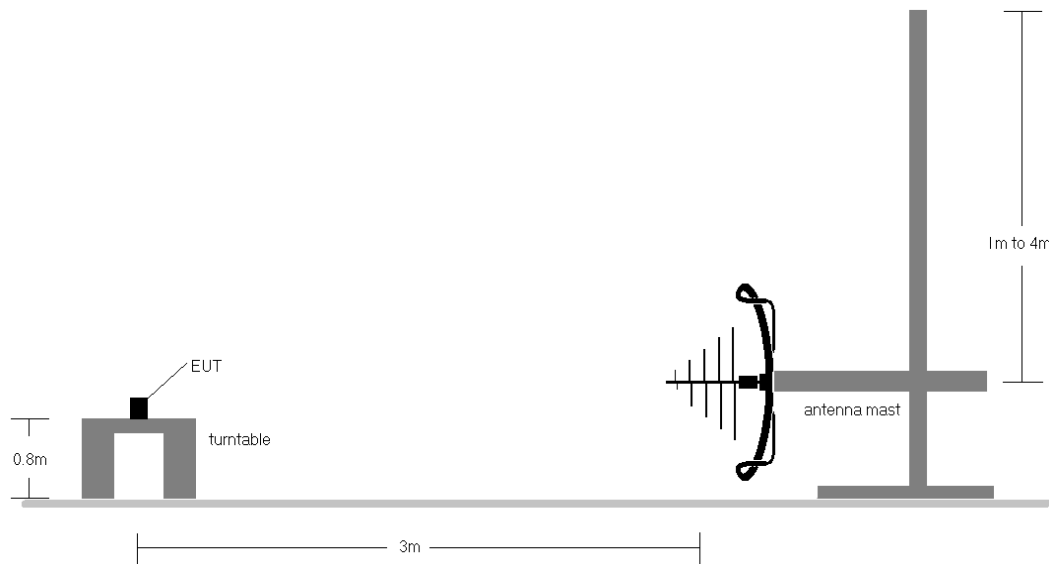


Figure 7-7. Radiated Test Setup < 1GHz

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

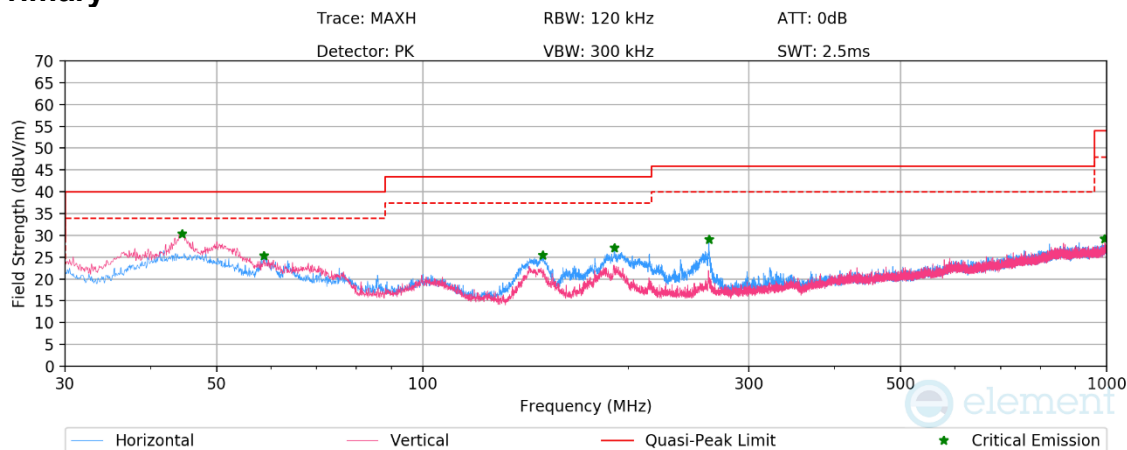
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Radiated Spurious Emissions (Below 1GHz)

\$15.209

TxBF Primary



Plot 7-656. Radiated Spurious Emissions Below 1GHz TxBF Primary (NB UNII BDR ePA – 5788MHz), with AC/DC adaptor

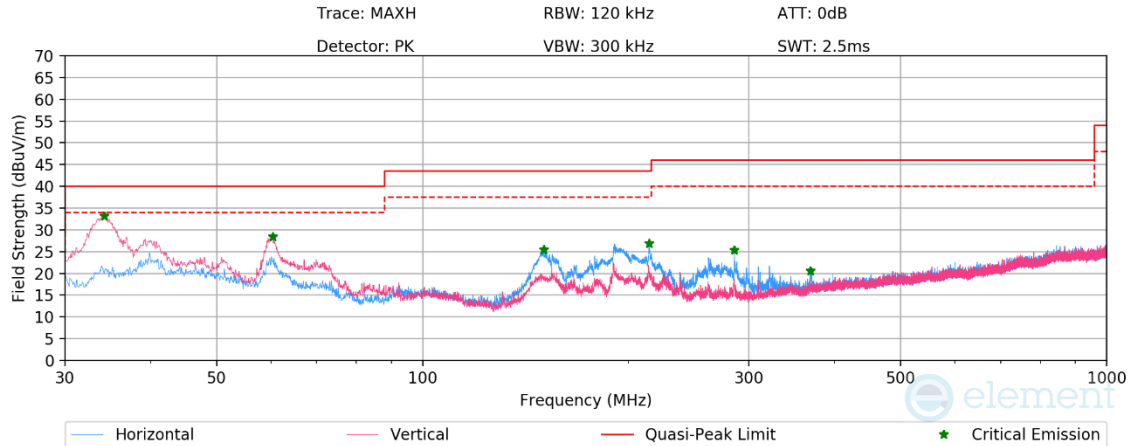
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
44.40	Max-Peak	V	149	-	-60.94	-15.69	30.37	40.00	-9.63
58.56	Max-Peak	H	100	-	-65.28	-16.38	25.34	40.00	-14.66
149.70	Max-Peak	H	200	-	-60.32	-21.18	25.50	43.50	-18.00
190.63	Max-Peak	H	100	-	-61.58	-18.31	27.11	43.50	-16.39
262.09	Max-Peak	H	100	-	-61.96	-15.95	29.09	46.00	-16.91
993.28	Max-Peak	V	300	-	-74.19	-3.57	29.24	54.00	-24.76

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

FCC ID: BCGA3361		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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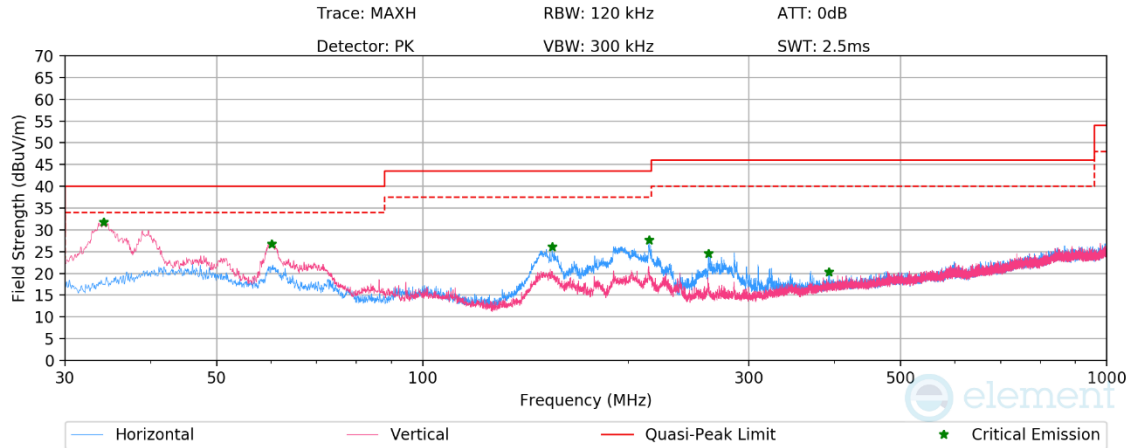
Plot 7-657. Radiated Spurious Emissions Below 1GHz TxBF Primary (NB UNII HDR4 ePA – 5788MHz), with AC/DC adaptor

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
34.20	Max-Peak	V	100	-	-57.66	-16.11	33.23	40.00	-6.77
60.36	Max-Peak	V	100	-	-64.06	-14.53	28.41	40.00	-11.59
150.30	Max-Peak	H	200	-	-63.42	-18.09	25.49	43.50	-18.01
214.33	Max-Peak	H	100	-	-65.53	-14.61	26.86	43.50	-16.64
285.67	Max-Peak	H	100	-	-69.36	-12.29	25.35	46.00	-20.65
368.89	Max-Peak	H	100	-	-76.19	-10.25	20.56	46.00	-25.44

Table 7-67. Radiated Spurious Emissions Below 1GHz TxBF Primary (NB UNII HDR4 ePA – 5788MHz), with AC/DC adaptor

FCC ID: BCGA3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-658. Radiated Spurious Emissions Below 1GHz TxBF Primary (NB UNII LE1M ePA – 5788MHz), with AC/DC adaptor

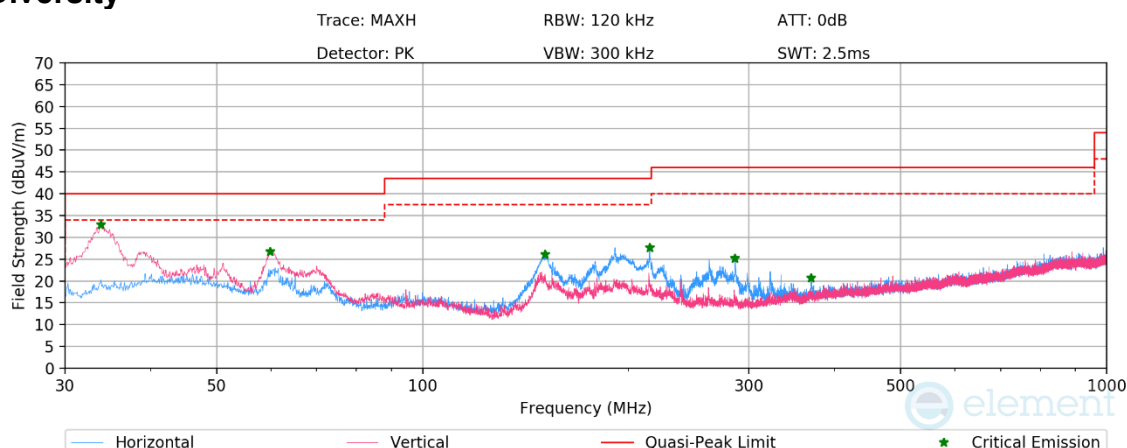
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
34.14	Max-Peak	V	100	-	-59.12	-16.14	31.74	40.00	-8.26
60.12	Max-Peak	V	200	-	-65.72	-14.46	26.83	40.00	-13.17
154.63	Max-Peak	H	200	-	-63.14	-17.69	26.18	43.50	-17.32
214.21	Max-Peak	H	100	-	-64.72	-14.63	27.65	43.50	-15.85
261.73	Max-Peak	H	100	-	-69.50	-12.91	24.59	46.00	-21.41
392.53	Max-Peak	H	100	-	-77.38	-9.27	20.35	46.00	-25.65

Table 7-68. Radiated Spurious Emissions Below 1GHz TxBF Primary (NB UNII LE1M ePA – 5788MHz), with AC/DC adaptor

FCC ID: BCGA3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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TxBF Diversity



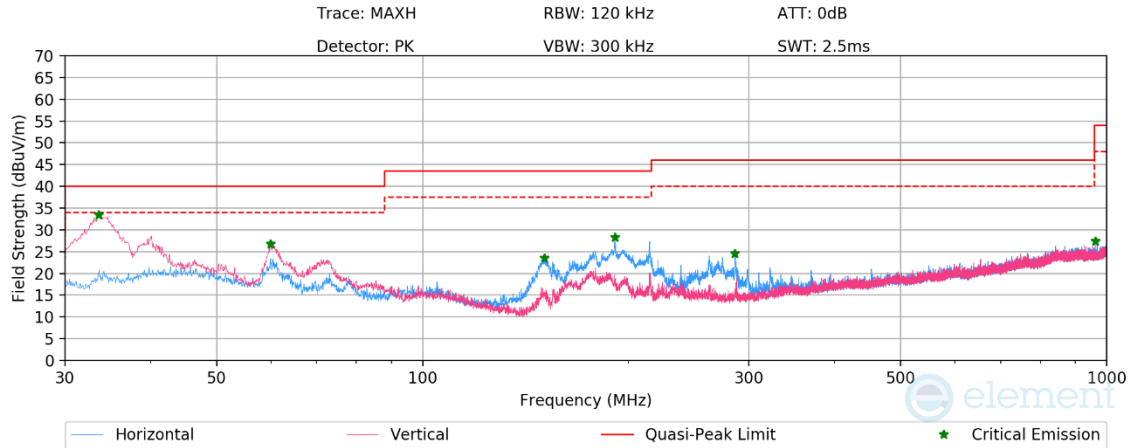
Plot 7-659. Radiated Spurious Emissions Below 1GHz TxBF Diversity (NB UNII BDR ePA – 5788MHz), with AC/DC adaptor

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
33.84	Max-Peak	V	200	-	-57.85	-16.25	32.90	40.00	-7.10
59.82	Max-Peak	V	100	-	-65.92	-14.37	26.71	40.00	-13.29
150.96	Max-Peak	H	200	-	-62.90	-18.02	26.08	43.50	-17.42
214.81	Max-Peak	H	100	-	-64.72	-14.56	27.72	43.50	-15.78
286.21	Max-Peak	H	100	-	-69.52	-12.25	25.23	46.00	-20.77
369.79	Max-Peak	H	100	-	-76.07	-10.25	20.68	46.00	-25.32

Table 7-69. Radiated Spurious Emissions Below 1GHz TxBF Diversity (NB UNII BDR ePA – 5788MHz), with AC/DC adaptor

FCC ID: BCGA3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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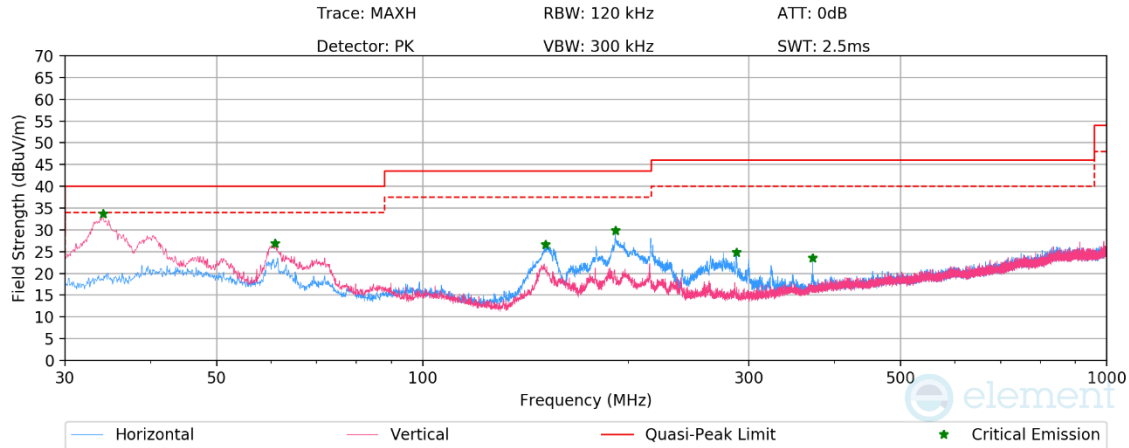
Plot 7-660. Radiated Spurious Emissions Below 1GHz TxBF Diversity (NB UNII HDR4 ePA – 5788MHz), with AC/DC adaptor

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
33.60	Max-Peak	V	100	-	-57.22	-16.34	33.44	40.00	-6.56
59.88	Max-Peak	V	100	-	-65.83	-14.39	26.78	40.00	-13.22
150.54	Max-Peak	H	100	-	-65.33	-18.06	23.61	43.50	-19.89
190.87	Max-Peak	H	100	-	-63.61	-15.12	28.27	43.50	-15.23
286.15	Max-Peak	H	100	-	-70.16	-12.25	24.59	46.00	-21.41
962.38	Max-Peak	V	300	-	-79.48	-0.13	27.38	54.00	-26.62

Table 7-70. Radiated Spurious Emissions Below 1GHz TxBF Diversity (NB UNII HDR4 ePA – 5788MHz), with AC/DC adaptor

FCC ID: BCGA3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-661. Radiated Spurious Emissions Below 1GHz TxBF Diversity (NB UNII LE1M 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 [dBuV/m]	Limit [dBuV/m]	Margin [dB]
34.08	Max-Peak	V	100	-	-57.07	-16.16	33.77	40.00	-6.23
60.84	Max-Peak	V	100	-	-65.42	-14.67	26.91	40.00	-13.09
151.08	Max-Peak	H	200	-	-62.40	-18.01	26.59	43.50	-16.91
191.35	Max-Peak	H	200	-	-62.04	-15.06	29.90	43.50	-13.60
287.47	Max-Peak	H	100	-	-69.87	-12.25	24.88	46.00	-21.12
371.47	Max-Peak	H	100	-	-73.29	-10.14	23.57	46.00	-22.43

Table 7-71. Radiated Spurious Emissions Below 1GHz TxBF Diversity (NB UNII LE1M ePA – 5788MHz), with AC/DC adaptor

FCC ID: BCGA3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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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 7-72. 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

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Test Setup

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

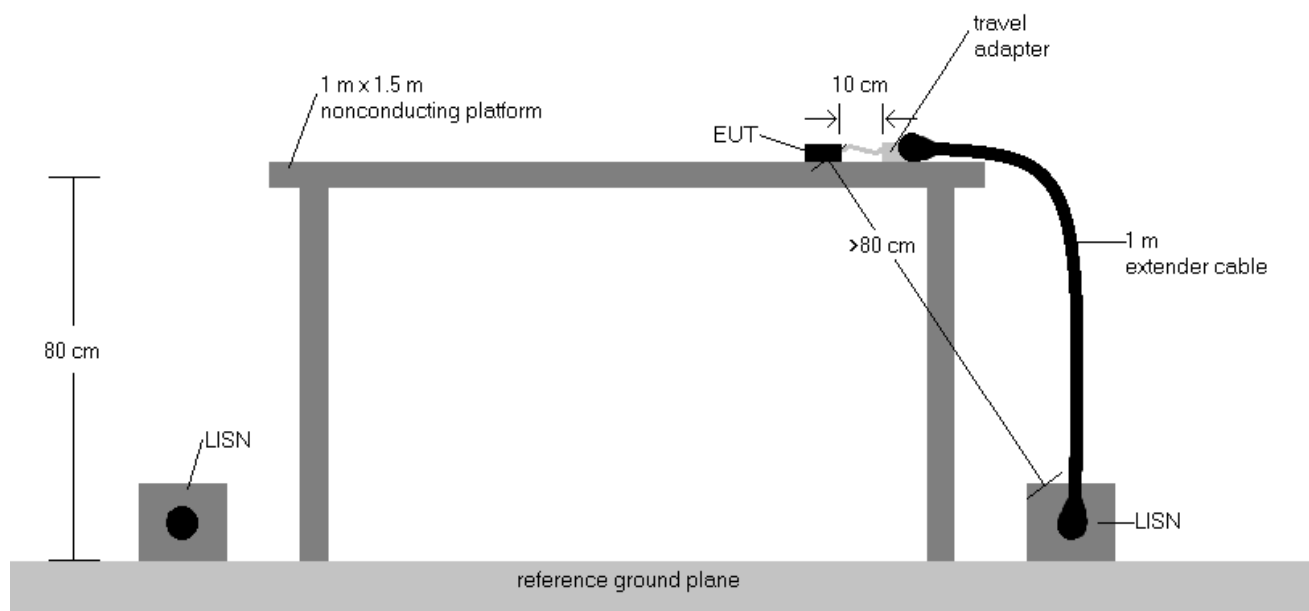


Figure 7-8. Test Instrument & Measurement Setup

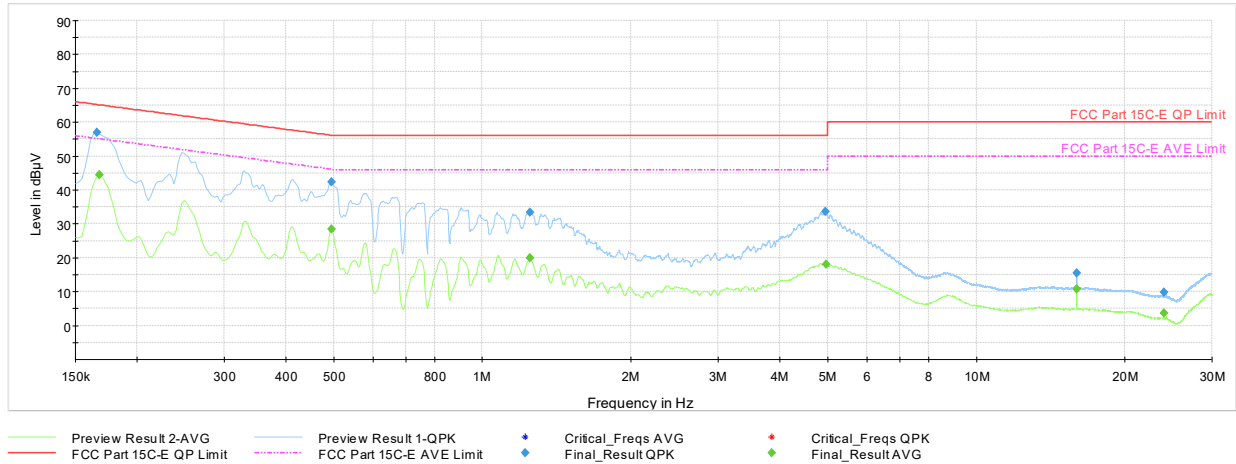
Test Notes

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.

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TxBF Primary

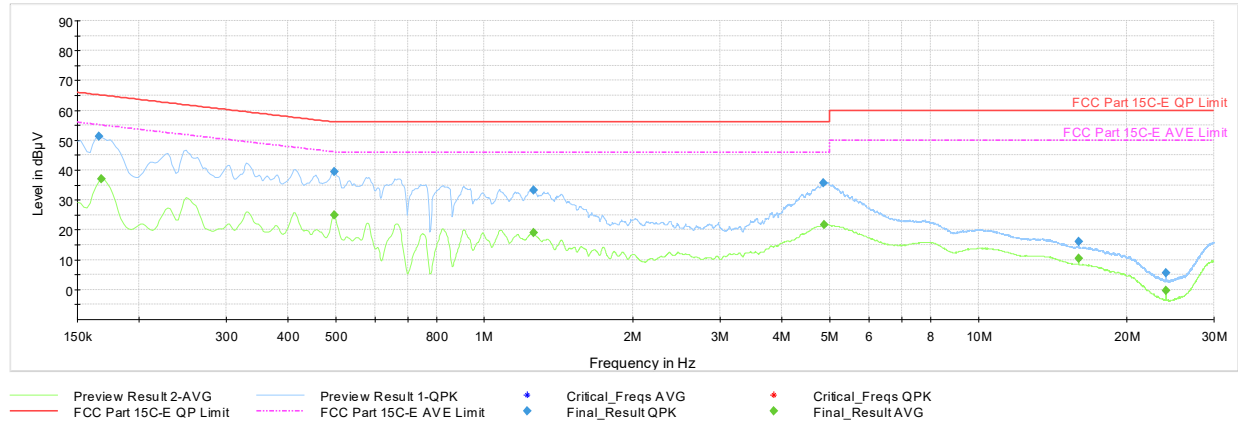


Plot 7-662. AC Line Conducted Plot TxBF Primary (NB UNII BDR ePA – 5788MHz) (L1) with AC/DC adaptor

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.166	FINAL	57.1	—	65.17	-8.08	L1	ON
0.168	FINAL	—	44.42	55.06	-10.64	L1	ON
0.494	FINAL	—	28.38	46.10	-17.71	L1	ON
0.494	FINAL	42.3	—	56.10	-13.80	L1	ON
1.250	FINAL	—	20.04	46.00	-25.96	L1	ON
1.250	FINAL	33.5	—	56.00	-22.55	L1	ON
4.947	FINAL	33.6	—	56.00	-22.40	L1	ON
4.958	FINAL	—	18.17	46.00	-27.83	L1	ON
15.972	FINAL	15.4	—	60.00	-44.64	L1	ON
15.972	FINAL	—	10.84	50.00	-39.16	L1	ON
23.960	FINAL	—	3.60	50.00	-46.40	L1	ON
23.960	FINAL	9.9	—	60.00	-50.15	L1	ON

Table 7-73. AC Line Conducted Data TxBF Primary (NB UNII BDR ePA – 5788MHz) (L1) with AC/DC adaptor

FCC ID: BCGA3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-663. AC Line Conducted Plot TxBF Primary (NB UNII BDR ePA – 5788MHz) (N) with AC/DC adaptor

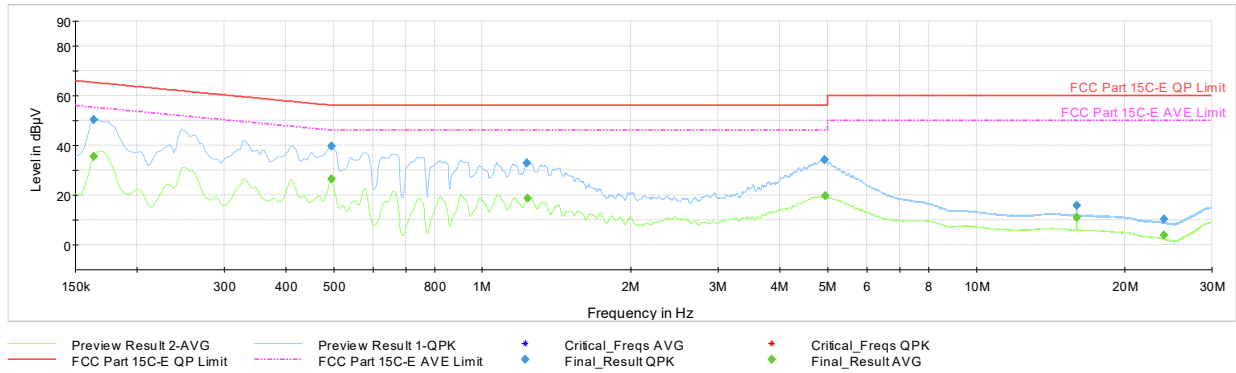
Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.166	FINAL	51.4	—	65.17	-13.79	N	ON
0.168	FINAL	—	36.95	55.06	-18.11	N	ON
0.497	FINAL	—	24.91	46.06	-21.15	N	ON
0.497	FINAL	39.6	—	56.06	-16.47	N	ON
1.257	FINAL	—	18.99	46.00	-27.01	N	ON
1.257	FINAL	33.4	—	56.00	-22.59	N	ON
4.862	FINAL	35.7	—	56.00	-20.27	N	ON
4.866	FINAL	—	21.61	46.00	-24.39	N	ON
15.979	FINAL	16.0	—	60.00	-44.05	N	ON
15.979	FINAL	—	10.37	50.00	-39.63	N	ON
23.969	FINAL	—	-0.23	50.00	-50.23	N	ON
23.969	FINAL	5.6	—	60.00	-54.42	N	ON

Table 7-74. AC Line Conducted TxBF Primary (NB UNII BDR ePA – 5788MHz) (N) with AC/DC adaptor

FCC ID: BCGA3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-664. AC Line Conducted Plot TxBF Primary (NB UNII HDR4 ePA – 5788MHz) (L1) with AC/DC adaptor

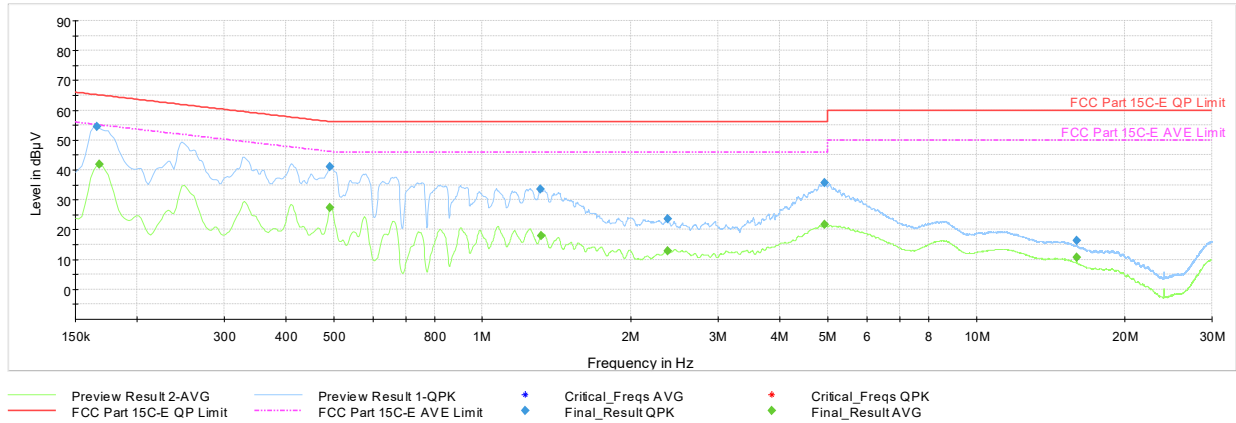
Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.164	FINAL	—	35.38	55.28	-19.90	L1	ON
0.164	FINAL	50.4	—	65.28	-14.89	L1	ON
0.494	FINAL	—	26.46	46.10	-19.64	L1	ON
0.494	FINAL	39.8	—	56.10	-16.26	L1	ON
1.232	FINAL	32.8	—	56.00	-23.16	L1	ON
1.235	FINAL	—	18.60	46.00	-27.40	L1	ON
4.938	FINAL	34.2	—	56.00	-21.77	L1	ON
4.940	FINAL	—	19.52	46.00	-26.48	L1	ON
15.961	FINAL	15.9	—	60.00	-44.13	L1	ON
15.961	FINAL	—	11.06	50.00	-38.94	L1	ON
23.942	FINAL	10.3	—	60.00	-49.66	L1	ON
23.944	FINAL	—	3.77	50.00	-46.23	L1	ON

Table 7-75. AC Line Conducted Data TxBF Primary (NB UNII HDR4 ePA – 5788MHz) (L1) with AC/DC adaptor

FCC ID: BCGA3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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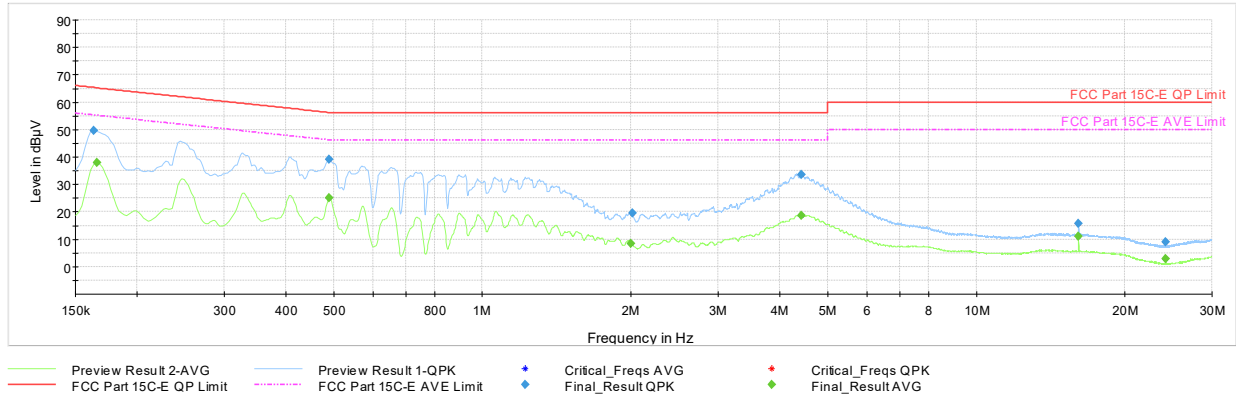
Plot 7-665. AC Line Conducted Plot TxBF Primary (NB UNII HDR4 ePA – 5788MHz) (N) with AC/DC adaptor

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.166	FINAL	54.6	—	65.17	-10.60	N	ON
0.168	FINAL	—	41.87	55.06	-13.19	N	ON
0.492	FINAL	—	27.36	46.13	-18.78	N	ON
0.492	FINAL	41.0	—	56.13	-15.18	N	ON
1.313	FINAL	33.5	—	56.00	-22.54	N	ON
1.316	FINAL	—	18.04	46.00	-27.96	N	ON
2.371	FINAL	—	12.98	46.00	-33.02	N	ON
2.373	FINAL	23.5	—	56.00	-32.52	N	ON
4.936	FINAL	35.6	—	56.00	-20.37	N	ON
4.938	FINAL	—	21.62	46.00	-24.39	N	ON
15.968	FINAL	—	10.67	50.00	-39.33	N	ON
15.968	FINAL	16.4	—	60.00	-43.63	N	ON

Table 7-76. AC Line Conducted TxBF Primary (NB UNII HDR4 ePA – 5788MHz) (N) with AC/DC adaptor

FCC ID: BCGA3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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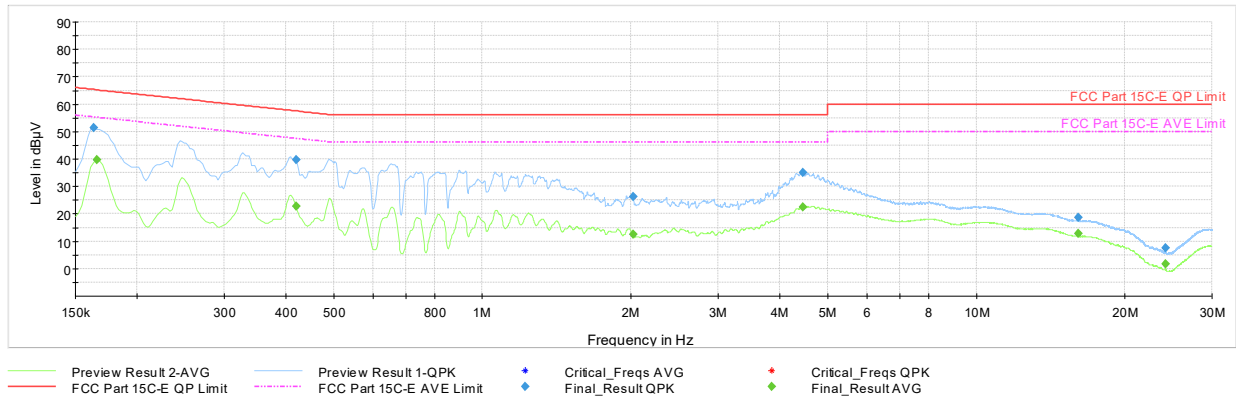
Plot 7-666. AC Line Conducted Plot TxBF Primary (NB UNII LE1M ePA – 5788MHz) (L1) with AC/DC adaptor

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.164	FINAL	49.7	—	65.28	-15.55	L1	ON
0.166	FINAL	—	37.95	55.17	-17.22	L1	ON
0.490	FINAL	—	25.12	46.17	-21.05	L1	ON
0.490	FINAL	39.1	—	56.17	-17.12	L1	ON
2.002	FINAL	—	8.51	46.00	-37.50	L1	ON
2.013	FINAL	19.5	—	56.00	-36.51	L1	ON
4.427	FINAL	33.6	—	56.00	-22.42	L1	ON
4.427	FINAL	—	18.53	46.00	-27.47	L1	ON
16.112	FINAL	15.8	—	60.00	-44.18	L1	ON
16.112	FINAL	—	11.10	50.00	-38.90	L1	ON
24.169	FINAL	—	2.83	50.00	-47.17	L1	ON
24.169	FINAL	8.9	—	60.00	-51.10	L1	ON

Table 7-77. AC Line Conducted Data TxBF Primary (NB UNII LE1M ePA – 5788MHz) (L1) with AC/DC adaptor

FCC ID: BCGA3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-667. AC Line Conducted Plot TxBF Primary (NB UNII LE1M ePA – 5788MHz) (N) with AC/DC adaptor

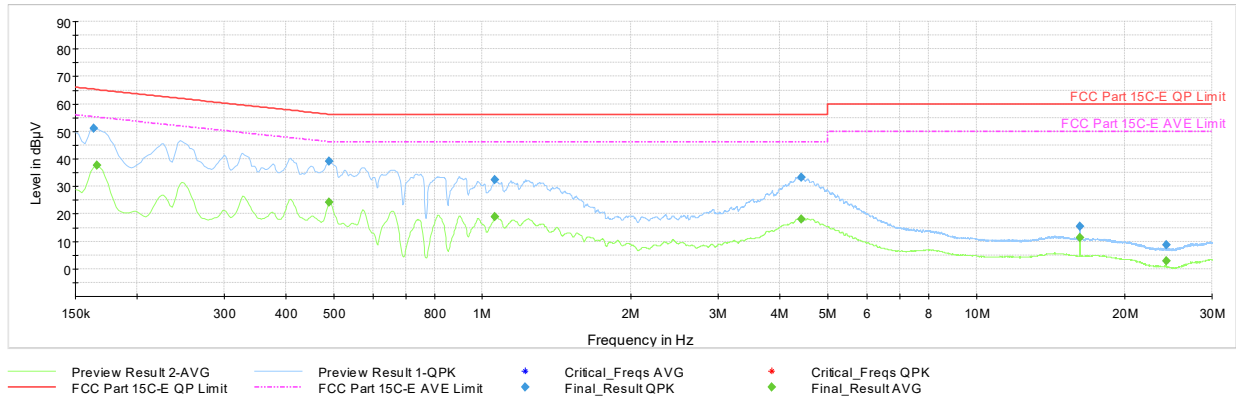
Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.164	FINAL	51.4	—	65.28	-13.93	N	ON
0.166	FINAL	—	39.78	55.17	-15.39	N	ON
0.420	FINAL	—	22.63	47.45	-24.82	N	ON
0.420	FINAL	39.8	—	57.45	-17.66	N	ON
2.020	FINAL	—	12.43	46.00	-33.57	N	ON
2.020	FINAL	26.3	—	56.00	-29.74	N	ON
4.450	FINAL	35.2	—	56.00	-20.83	N	ON
4.457	FINAL	—	22.40	46.00	-23.60	N	ON
16.098	FINAL	—	12.82	50.00	-37.18	N	ON
16.100	FINAL	18.6	—	60.00	-41.42	N	ON
24.149	FINAL	—	1.81	50.00	-48.19	N	ON
24.149	FINAL	7.7	—	60.00	-52.33	N	ON

Table 7-78. AC Line Conducted TxBF Primary (NB UNII LE1M ePA – 5788MHz) (N) with AC/DC adaptor

FCC ID: BCGA3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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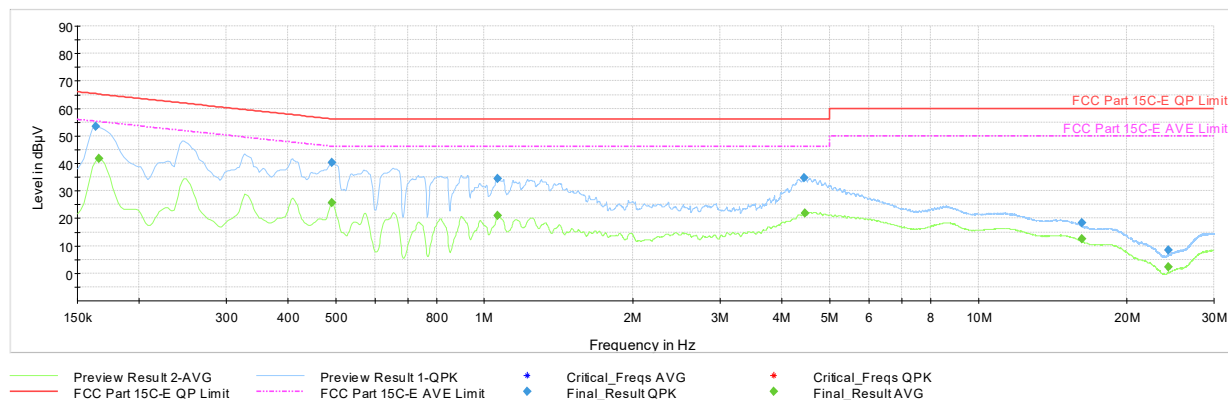


Plot 7-668. AC Line Conducted Plot TxBF Diversity (NB UNII BDR ePA – 5788MHz) (L1) with AC/DC adaptor

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.164	FINAL	51.2	—	65.28	-14.08	L1	ON
0.166	FINAL	—	37.71	55.17	-17.46	L1	ON
0.490	FINAL	—	24.10	46.17	-22.07	L1	ON
0.490	FINAL	39.3	—	56.17	-16.91	L1	ON
1.059	FINAL	—	18.99	46.00	-27.01	L1	ON
1.059	FINAL	32.3	—	56.00	-23.68	L1	ON
4.423	FINAL	33.3	—	56.00	-22.74	L1	ON
4.427	FINAL	—	18.13	46.00	-27.87	L1	ON
16.190	FINAL	15.5	—	60.00	-44.46	L1	ON
16.190	FINAL	—	11.25	50.00	-38.75	L1	ON
24.284	FINAL	8.7	—	60.00	-51.26	L1	ON
24.286	FINAL	—	2.76	50.00	-47.24	L1	ON

Table 7-79. AC Line Conducted Data TxBF Diversity (NB UNII BDR ePA – 5788MHz) (L1) with AC/DC adaptor

FCC ID: BCGA3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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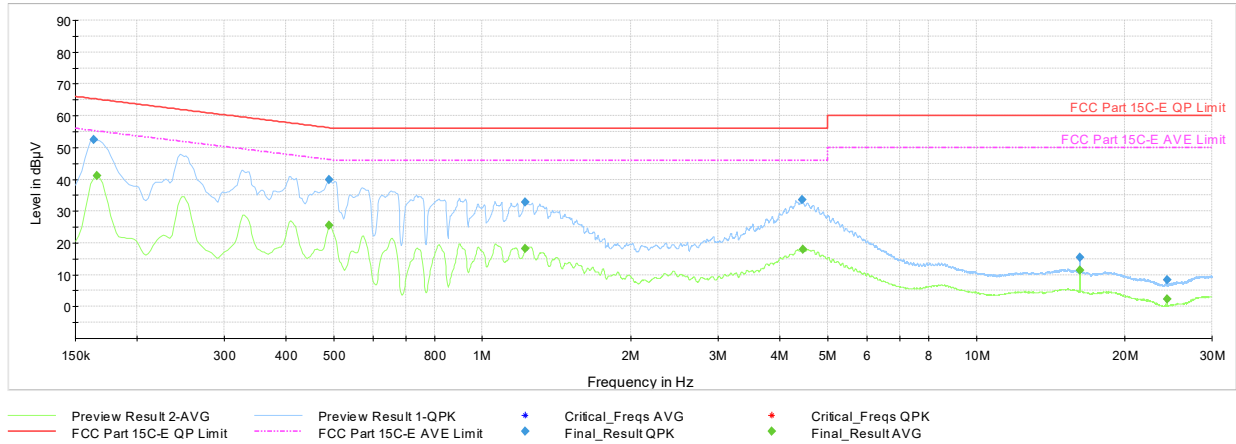
Plot 7-669. AC Line Conducted Plot TxBF Diversity (NB UNII BDR ePA – 5203MHz) (N) with AC/DC adaptor

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.164	FINAL	53.4	—	65.28	-11.84	N	ON
0.166	FINAL	—	41.73	55.17	-13.44	N	ON
0.492	FINAL	—	25.75	46.13	-20.38	N	ON
0.492	FINAL	40.4	—	56.13	-15.76	N	ON
1.064	FINAL	—	20.94	46.00	-25.06	N	ON
1.064	FINAL	34.5	—	56.00	-21.50	N	ON
4.448	FINAL	34.8	—	56.00	-21.20	N	ON
4.450	FINAL	—	21.76	46.00	-24.24	N	ON
16.190	FINAL	18.3	—	60.00	-41.68	N	ON
16.190	FINAL	—	12.66	50.00	-37.34	N	ON
24.286	FINAL	—	2.21	50.00	-47.79	N	ON
24.288	FINAL	8.4	—	60.00	-51.58	N	ON

Table 7-80. AC Line Conducted TxBF Diversity (NB UNII BDR ePA – 5203MHz) (N) with AC/DC adaptor

FCC ID: BCGA3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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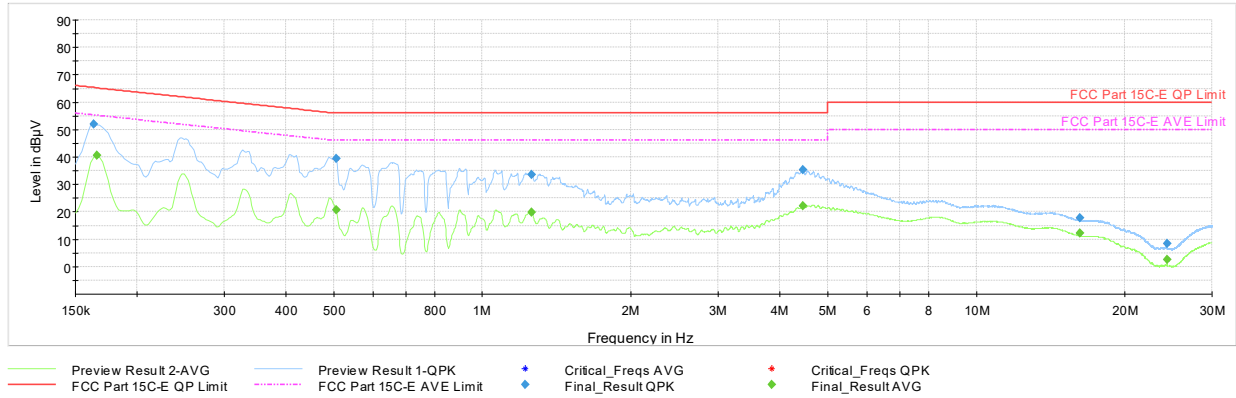
Plot 7-670. AC Line Conducted Plot TxBF Diversity (NB UNII HDR4 ePA – 5788MHz) (L1) with AC/DC adaptor

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.164	FINAL	52.5	—	65.28	-12.75	L1	ON
0.166	FINAL	—	41.17	55.17	-14.00	L1	ON
0.490	FINAL	—	25.42	46.17	-20.75	L1	ON
0.490	FINAL	39.9	—	56.17	-16.24	L1	ON
1.223	FINAL	—	18.09	46.00	-27.91	L1	ON
1.223	FINAL	32.8	—	56.00	-23.25	L1	ON
4.443	FINAL	33.5	—	56.00	-22.54	L1	ON
4.450	FINAL	—	18.06	46.00	-27.94	L1	ON
16.229	FINAL	15.5	—	60.00	-44.46	L1	ON
16.229	FINAL	—	11.29	50.00	-38.71	L1	ON
24.338	FINAL	8.3	—	60.00	-51.70	L1	ON
24.340	FINAL	—	2.31	50.00	-47.69	L1	ON

Table 7-81. AC Line Conducted Data TxBF Diversity (NB UNII HDR4 ePA – 5788MHz) (L1) with AC/DC adaptor

FCC ID: BCGA3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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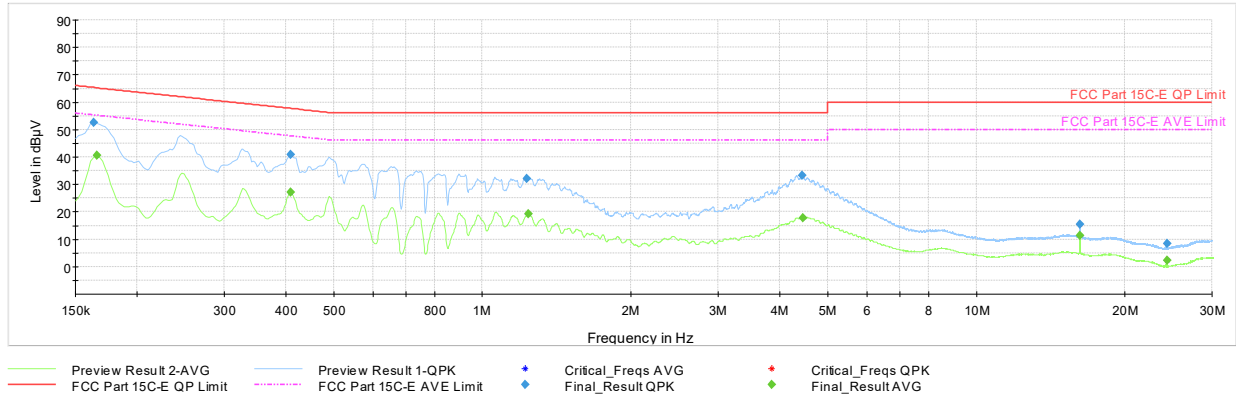
Plot 7-671. AC Line Conducted Plot TxBF Diversity (NB UNII HDR4 ePA – 5788MHz) (N) with AC/DC adaptor

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.164	FINAL	52.0	—	65.28	-13.27	N	ON
0.166	FINAL	—	40.71	55.17	-14.46	N	ON
0.506	FINAL	—	20.74	46.00	-25.26	N	ON
0.506	FINAL	39.5	—	56.00	-16.55	N	ON
1.257	FINAL	—	19.85	46.00	-26.15	N	ON
1.257	FINAL	33.7	—	56.00	-22.33	N	ON
4.450	FINAL	35.2	—	56.00	-20.77	N	ON
4.452	FINAL	—	22.11	46.00	-23.89	N	ON
16.215	FINAL	17.9	—	60.00	-42.11	N	ON
16.215	FINAL	—	12.24	50.00	-37.76	N	ON
24.324	FINAL	—	2.47	50.00	-47.53	N	ON
24.324	FINAL	8.4	—	60.00	-51.65	N	ON

Table 7-82. AC Line Conducted TxBF Diversity (NB UNII HDR4 ePA – 5788MHz) (N) with AC/DC adaptor

FCC ID: BCGA3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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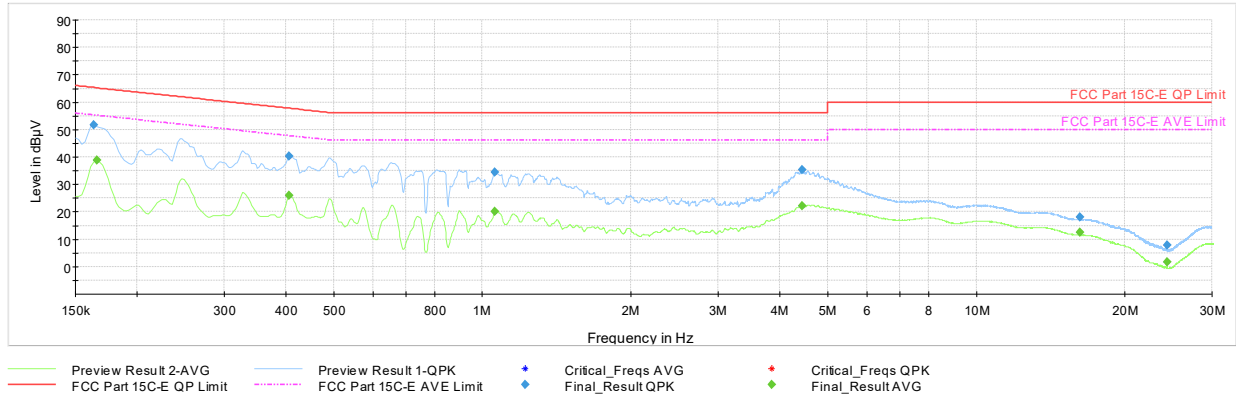
Plot 7-672. AC Line Conducted Plot TxBF Diversity (NB UNII LE1M ePA – 5788MHz) (L1) with AC/DC adaptor

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.164	FINAL	52.7	—	65.28	-12.61	L1	ON
0.166	FINAL	—	40.62	55.17	-14.55	L1	ON
0.409	FINAL	—	27.10	47.67	-20.58	L1	ON
0.409	FINAL	40.9	—	57.67	-16.78	L1	ON
1.230	FINAL	32.2	—	56.00	-23.81	L1	ON
1.239	FINAL	—	19.18	46.00	-26.82	L1	ON
4.436	FINAL	33.2	—	56.00	-22.79	L1	ON
4.463	FINAL	—	17.85	46.00	-28.15	L1	ON
16.204	FINAL	15.5	—	60.00	-44.48	L1	ON
16.204	FINAL	—	11.24	50.00	-38.76	L1	ON
24.306	FINAL	—	2.36	50.00	-47.64	L1	ON
24.306	FINAL	8.4	—	60.00	-51.58	L1	ON

Table 7-83. AC Line Conducted Data TxBF Diversity (NB UNII LE1M ePA – 5788MHz) (L1) with AC/DC adaptor

FCC ID: BCGA3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-673. AC Line Conducted Plot TxBF Diversity (NB UNII LE1M ePA – 5788MHz) (N) with AC/DC adaptor

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.164	FINAL	51.7	—	65.28	-13.64	N	ON
0.166	FINAL	—	38.81	55.17	-16.36	N	ON
0.407	FINAL	—	26.10	47.72	-21.62	N	ON
0.407	FINAL	40.4	—	57.72	-17.28	N	ON
1.059	FINAL	—	20.15	46.00	-25.85	N	ON
1.059	FINAL	34.6	—	56.00	-21.42	N	ON
4.441	FINAL	35.3	—	56.00	-20.74	N	ON
4.443	FINAL	—	22.02	46.00	-23.98	N	ON
16.217	FINAL	—	12.51	50.00	-37.49	N	ON
16.220	FINAL	18.1	—	60.00	-41.87	N	ON
24.329	FINAL	—	1.78	50.00	-48.22	N	ON
24.329	FINAL	7.9	—	60.00	-52.15	N	ON

Table 7-84. AC Line Conducted TxBF Diversity (NB UNII LE1M ePA – 5788MHz) (N) with AC/DC adaptor

FCC ID: BCGA3361		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Apple Tablet Device FCC ID: BCGA3361** is in compliance with Part 15 Subpart E (15.407) of the FCC Rules.

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