



Plot 7-435. PSD Tx BF Diversity Antenna WF8 (NB UNII HDT4, ePA - 5788MHz)



Plot 7-436. PSD Tx BF Diversity Antenna WF7 (NB UNII HDT4, ePA - 5788MHz)

FCC ID: BCGA3360		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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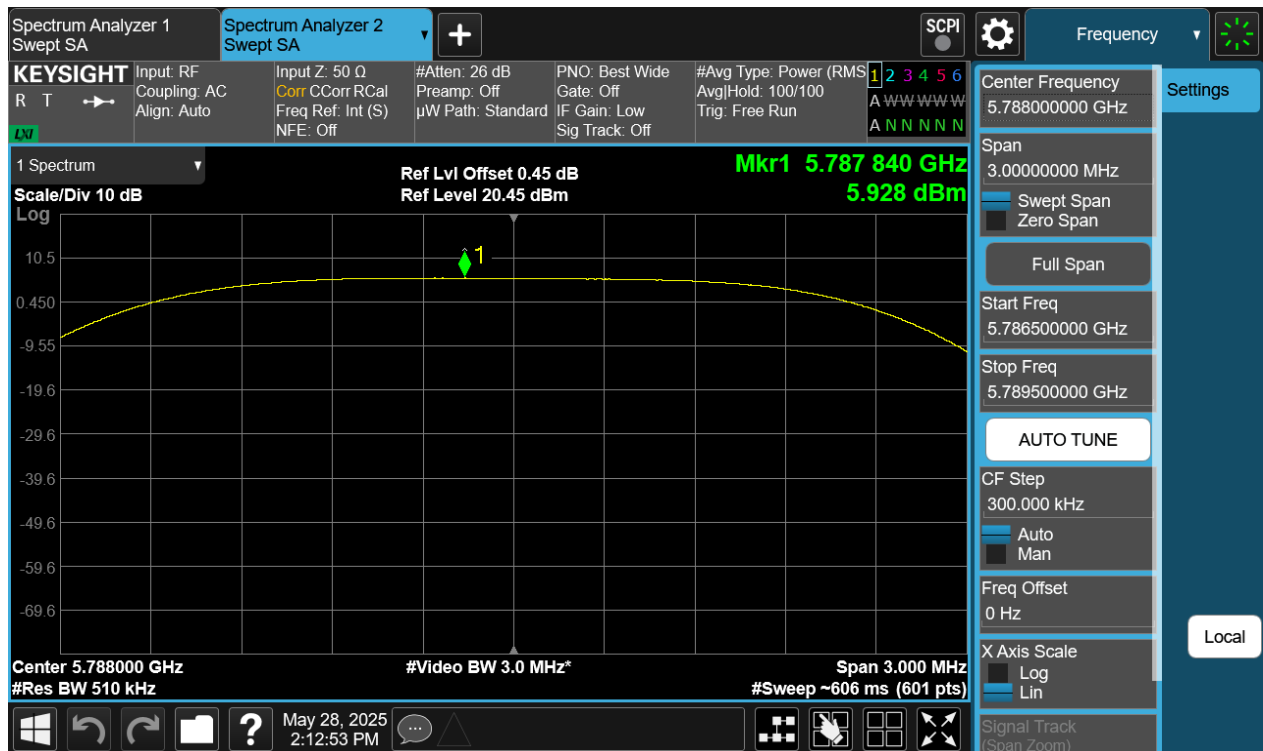


Plot 7-437. PSD Tx BF Diversity Antenna WF8 (NB UNII HDT4, iPA - 5788MHz)



Plot 7-438. PSD Tx BF Diversity Antenna WF7 (NB UNII HDT4, iPA - 5788MHz)

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Plot 7-439. PSD Tx BF Diversity Antenna WF8 (NB UNII HDT6, ePA - 5788MHz)



Plot 7-440. PSD Tx BF Diversity Antenna WF7 (NB UNII HDT6, ePA - 5788MHz)

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Note:

Per ANSI C63.10-2020 and KDB 662911 v02r01 Section E1), the conducted powers at and 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.

Per ANSI C63.10-2020 Section 14.6.3, the directional gain is calculated using the following formula, where G_N is the gain of the nth antenna and N_{ANT} , the total number of antennas used.

$$\text{Directional gain} = 10 \log[(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N_{ANT}] \text{ dBi}$$

Per ANSI C63.10-2020 Section 14.6.3, the uncorrelated directional gain is calculated using the following formula, where G_N is the gain of the nth antenna and N_{ANT} , the total number of antennas used.

$$\text{Directional gain} = 10 \log[(10^{G_1/10} + 10^{G_2/10} + \dots + 10^{G_N/10}) / N_{ANT}] \text{ dBi}$$

Sample TxBF Calculation:

At 5162MHz, the average conducted output power was measured to be 6.13 dBm for Antenna WF5B and 6.53 dBm for Antenna WF8.

$$\text{Antenna WF5B} + \text{Antenna WF8} = \text{TxBF}$$

$$(6.13 \text{ dBm} + 6.53 \text{ dBm}) = (4.102 \text{ mW} + 4.499 \text{ mW}) = 8.601 \text{ mW} = 9.35 \text{ dBm}$$

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7.6 Radiated Spurious Emission – Above 1GHz

§15.407(b) §15.205 §15.209

Test Overview and Limit

All out of band radiated spurious emissions are measured with a spectrum analyzer connected to a receive antenna while the EUT is operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10-2020 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 must not exceed the limits shown in Table 7-28 per Section 15.209.

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

Table 7-28. Radiated Limits

Test Procedures Used

ANSI C63.10-2020 – Subclauses 12.7.7, 12.7.6

KDB 789033 D02 v02r01 – Section G

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

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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.

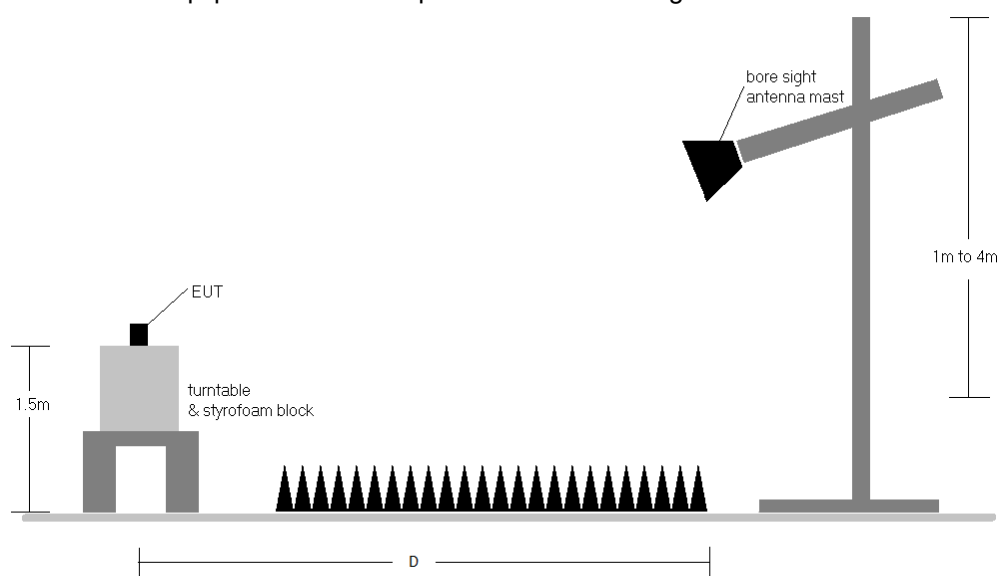


Figure 7-5. Test Instrument & Measurement Setup

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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 is 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

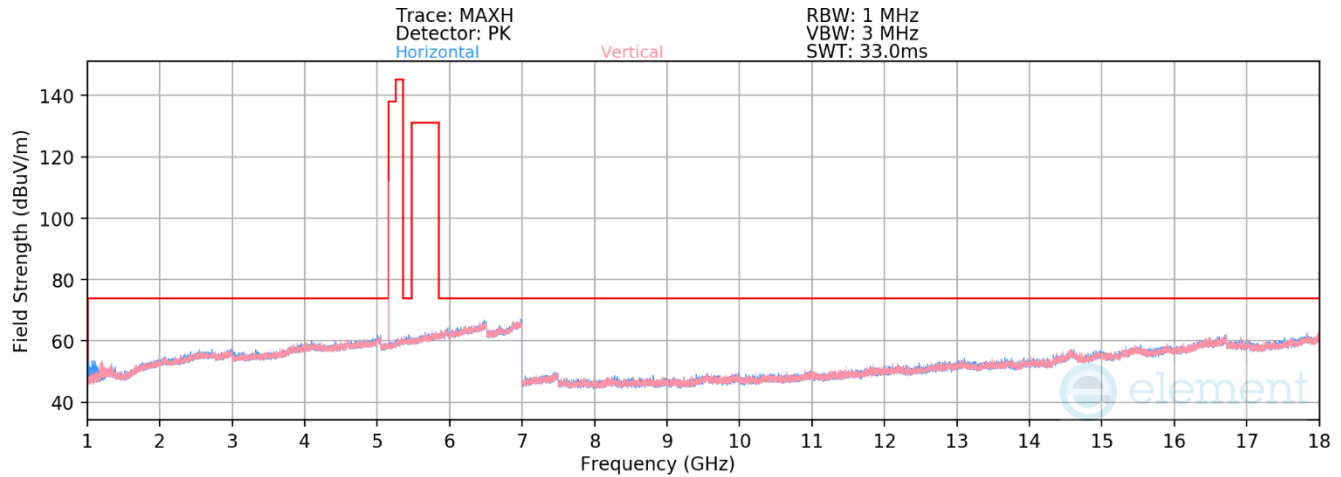
- The amplitude offset shown in the radiated restricted band edge plots in Section 7.6.3 to 7.6.12 was calculated using the formula:

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

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7.6.1 TxBF Primary Radiated Spurious Emission (Above 1GHz) BDR



Plot 7-443. Radiated Spurious Emissions 1-18GHz TxBF Primary (BDR GFSK ePA – 5162MHz)

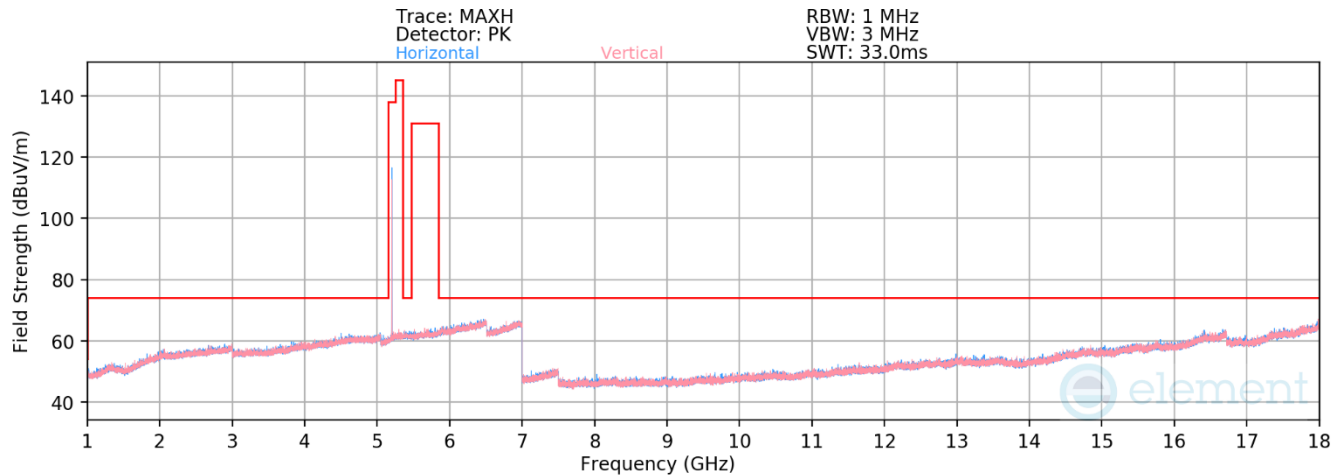
Mode:	BDR
Data Rate:	1Mbps
Power Scheme:	ePA
Distance of Measurements:	3 Meters
Operating Frequency:	5162MHz

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	V	-	-	-70.13	13.16	50.03	68.23	-18.20
* 15486.00	Average	H	-	-	-82.48	21.72	46.24	53.98	-7.74
* 15486.00	Peak	H	-	-	-71.66	21.72	57.06	73.98	-16.92

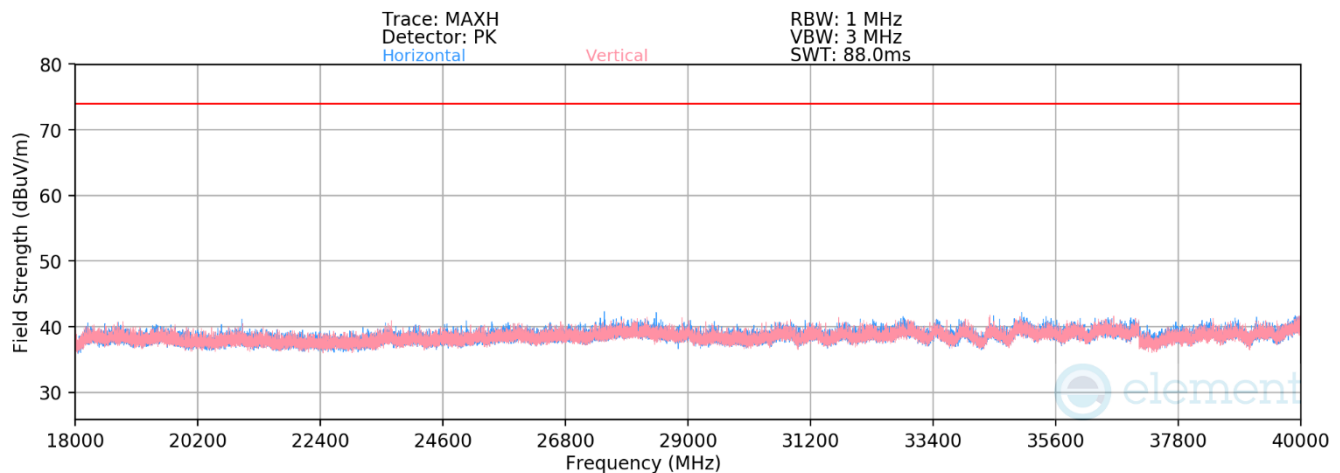
Table 7-29. Radiated Spurious Emissions Measurements TxBF Primary

FCC ID: BCGA3360		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Plot 7-444. Radiated Spurious Emissions 1-18GHz TxBF Primary (BDR GFSK ePA – 5203MHz)



Plot 7-445. Radiated Spurious Emissions Above 18GHz (BDR GFSK ePA – 5203MHz)

Mode: BDR

Data Rate: 1Mbps

Power Scheme: ePA

Distance of Measurements: 3 Meters

Operating Frequency: 5203MHz

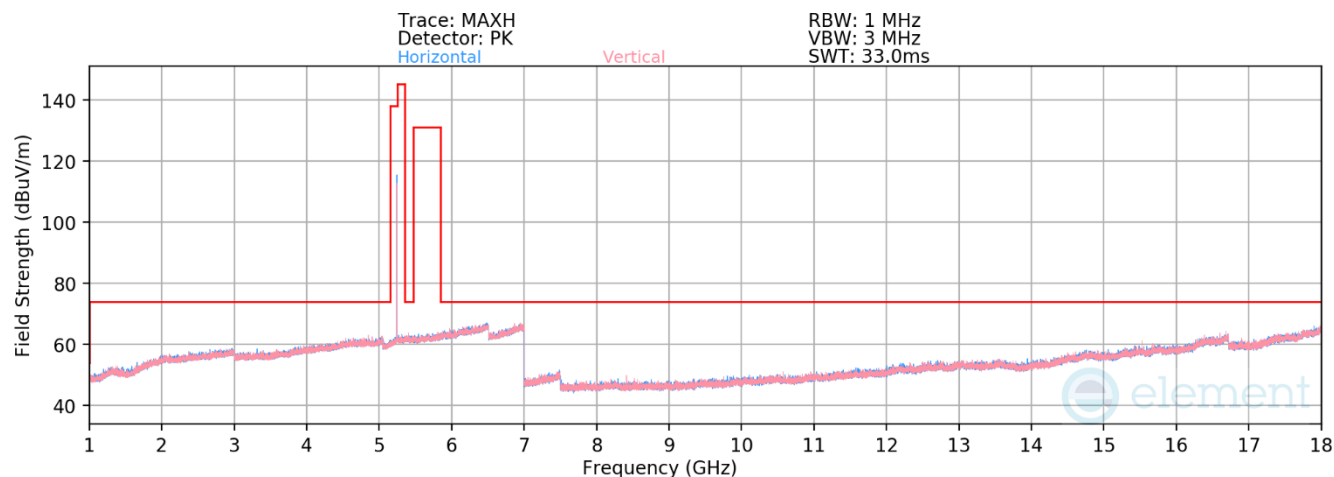
	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
	10406.00	Peak	V	-	-	-70.44	13.72	50.28	68.23	-17.95
*	15609.00	Average	V	-	-	-82.18	21.21	46.02	53.98	-7.96
*	15609.00	Peak	V	-	-	-71.56	21.21	56.64	73.98	-17.34

Table 7-30. Radiated Spurious Emissions Measurements TxBF Primary

FCC ID: BCGA3360		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Plot 7-446. Radiated Spurious Emissions 1-18GHz TxBF Primary (BDR GFSK ePA – 5245MHz)

Mode: BDR

Data Rate: 1Mbps

Power Scheme: ePA

Distance of Measurements: 3 Meters

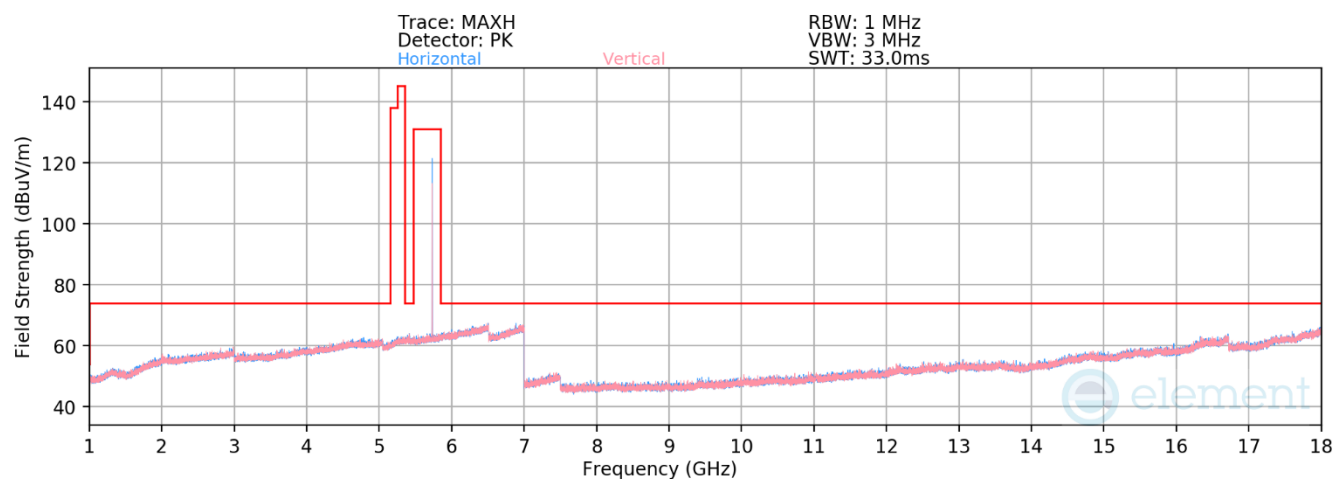
Operating Frequency: 5245MHz

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	-	-	-70.43	13.61	50.18	68.23	-18.05
* 15735.00	Average	V	-	-	-82.45	22.39	46.94	53.98	-7.04
* 15735.00	Peak	V	-	-	-71.16	22.39	58.23	73.98	-15.75

Table 7-31. Radiated Spurious Emissions Measurements TxBF Primary

FCC ID: BCGA3360		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-447. Radiated Spurious Emissions 1-18GHz TxBF Primary (BDR GFSK ePA – 5733MHz)

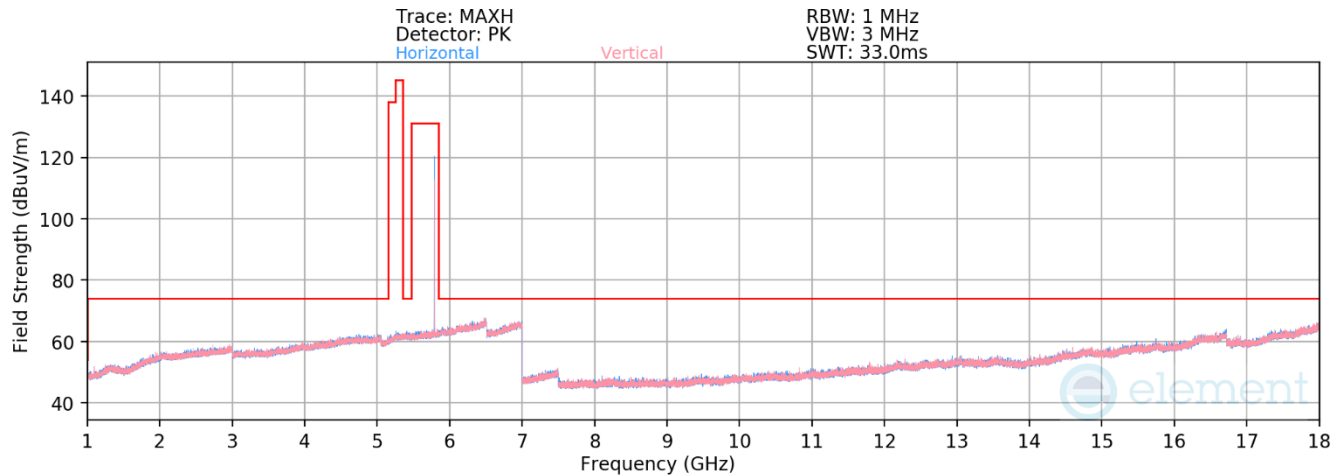
Mode: BDR
Data Rate: 1Mbps
Power Scheme: ePA
Distance of Measurements: 3 Meters
Operating Frequency: 5733MHz

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	-	-	-81.54	14.70	40.16	53.98	-13.82
* 11466.00	Peak	H	-	-	-70.29	14.70	51.41	73.98	-22.57
17199.00	Peak	H	-	-	-70.64	25.26	61.61	68.23	-6.62

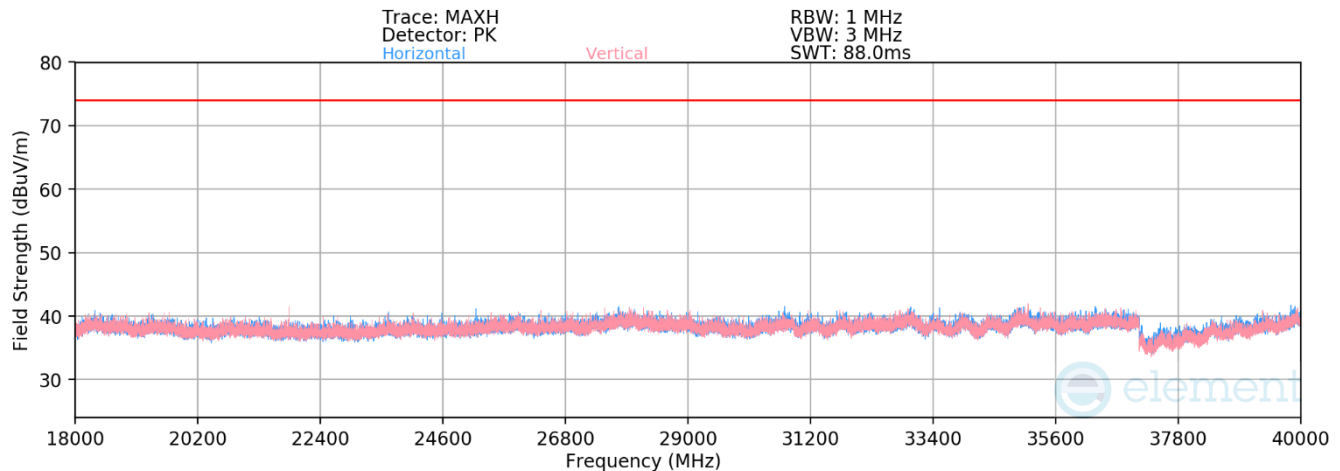
Table 7-32. Radiated Spurious Emissions Measurements TxBF Primary

FCC ID: BCGA3360		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-448. Radiated Spurious Emissions 1-18GHz TxBF Primary (BDR GFSK ePA – 5788MHz)



Plot 7-449. Radiated Spurious Emissions Above 18GHz (BDR GFSK ePA – 5788MHz)

Mode: BDR

Data Rate: 1Mbps

Power Scheme: ePA

Distance of Measurements: 3 Meters

Operating Frequency: 5788MHz

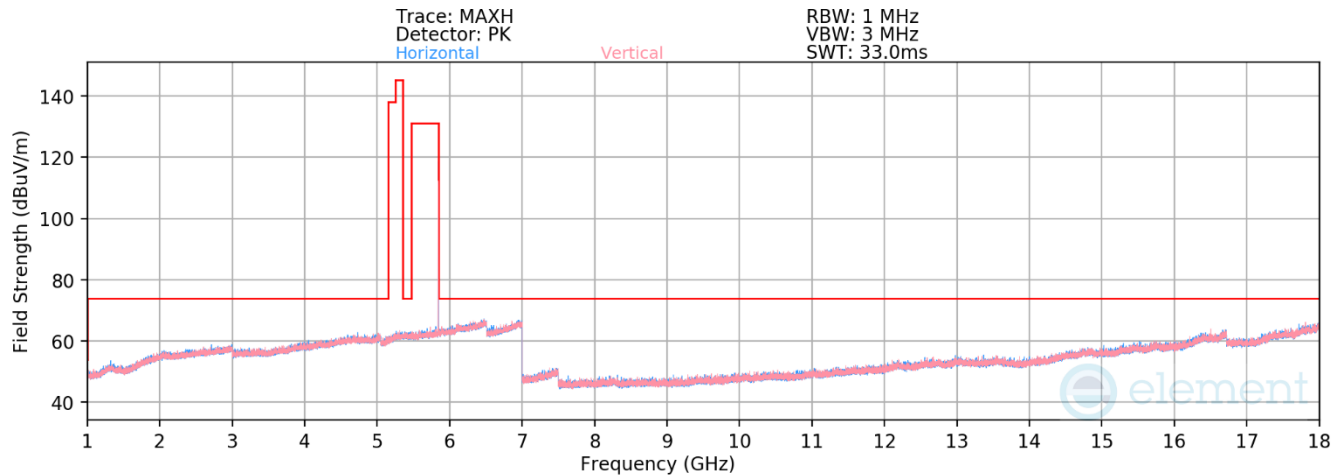
	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
*	11576.00	Average	H	-	-	-81.55	15.09	40.55	53.98	-13.43
*	11576.00	Peak	H	-	-	-69.34	15.09	52.76	73.98	-21.22
	17364.00	Peak	H	-	-	-71.06	25.90	61.84	68.23	-6.39

Table 7-33. Radiated Spurious Emissions Measurements TxBF Primary

FCC ID: BCGA3360		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Plot 7-450. Radiated Spurious Emissions 1-18GHz TxBF Primary (BDR GFSK ePA – 5844MHz)

Mode: BDR

Data Rate: 1Mbps

Power Scheme: ePA

Distance of Measurements: 3 Meters

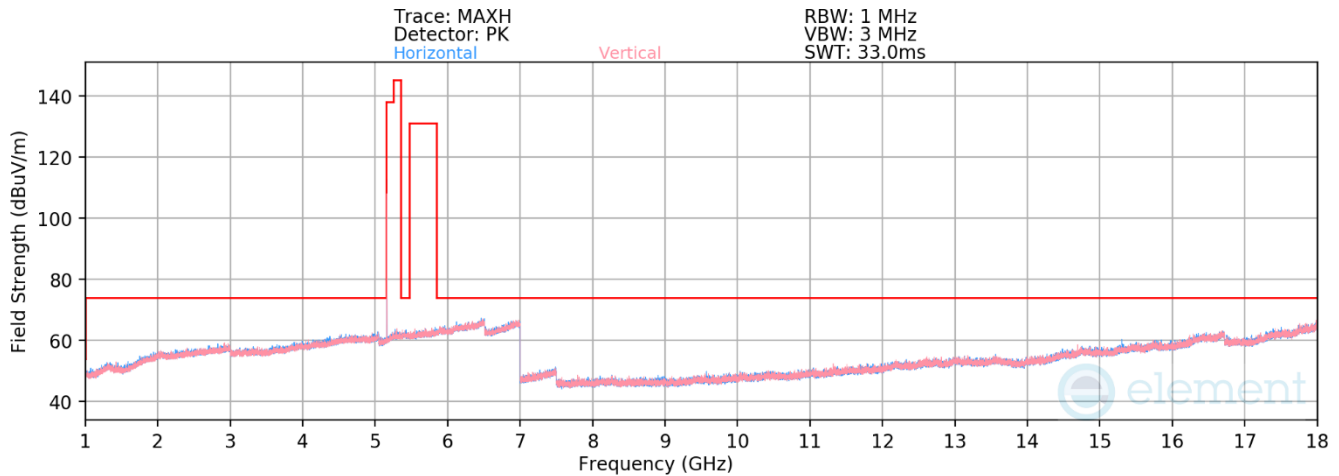
Operating Frequency: 5844MHz

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	-	-	-81.62	15.32	40.70	53.98	-13.28
* 11688.00	Peak	H	-	-	-70.96	15.32	51.36	73.98	-22.62
* 17532.00	Peak	H	-	-	-69.93	25.09	62.16	68.23	-6.07

Table 7-34. Radiated Spurious Emissions Measurements TxBF Primary

FCC ID: BCGA3360		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-451. Radiated Spurious Emissions 1-18GHz TxBF Primary (HDR4 ePA – 5162MHz)

Mode: HDR4

Data Rate: 4Mbps

Power Scheme: ePA

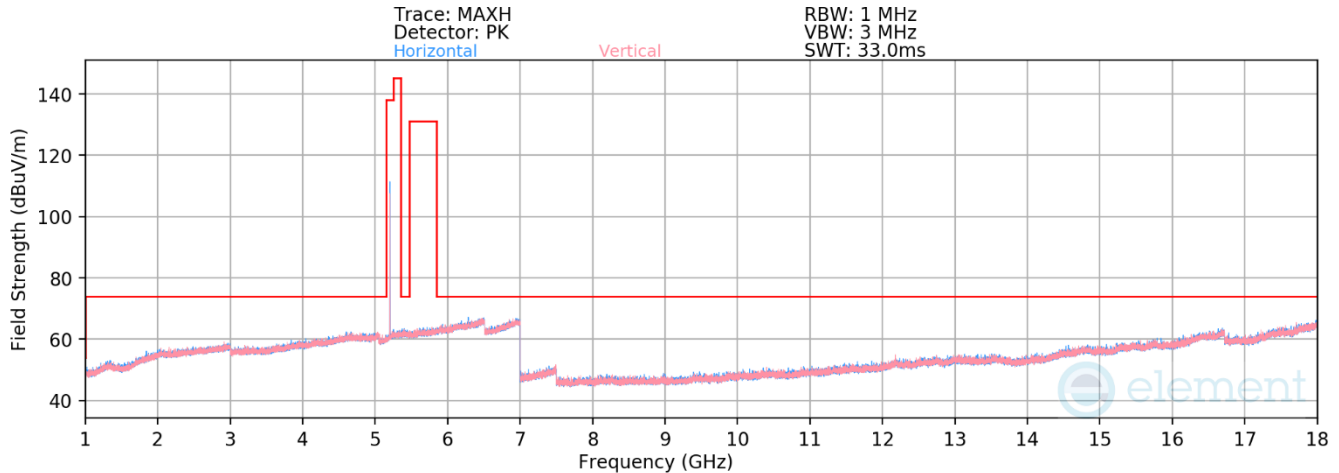
Distance of Measurements: 3 Meters

Operating Frequency: 5162MHz

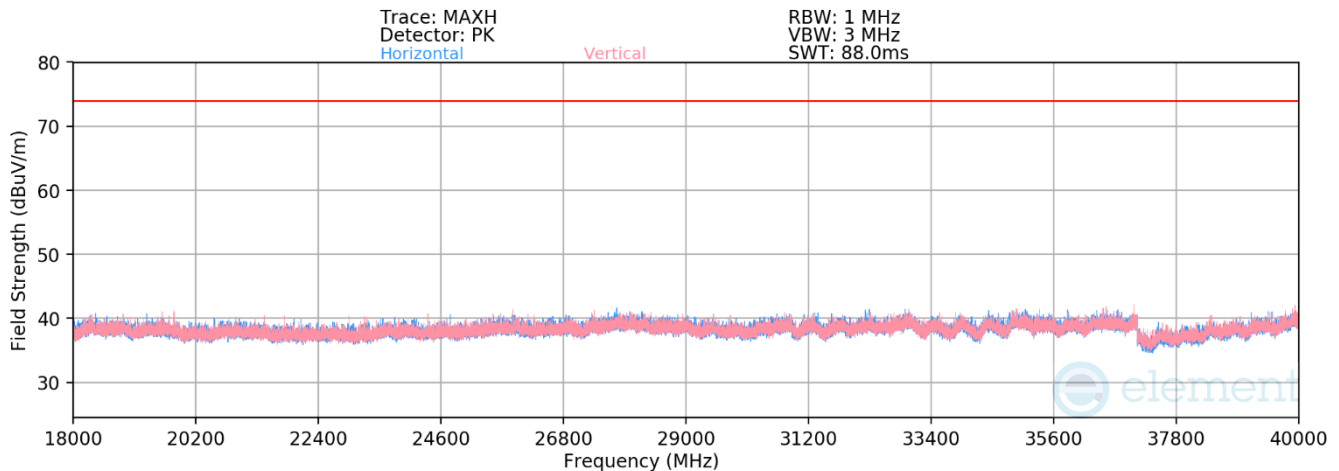
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
10324.00	Peak	V	-	-	-70.39	13.26	49.87	68.23	-18.36
* 15486.00	Average	H	-	-	-82.34	21.68	46.34	53.98	-7.64
* 15486.00	Peak	H	-	-	-71.23	21.68	57.45	73.98	-16.53

Table 7-35. Radiated Spurious Emissions Measurements TxBF Primary

FCC ID: BCGA3360		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Plot 7-452. Radiated Spurious Emissions 1-18GHz TxBF Primary (HDR4 ePA – 5203MHz)



Plot 7-453. Radiated Spurious Emissions Above 18GHz (HDR4 ePA – 5203MHz)

Mode: HDR4

Data Rate: 4Mbps

Power Scheme: ePA

Distance of Measurements: 3 Meters

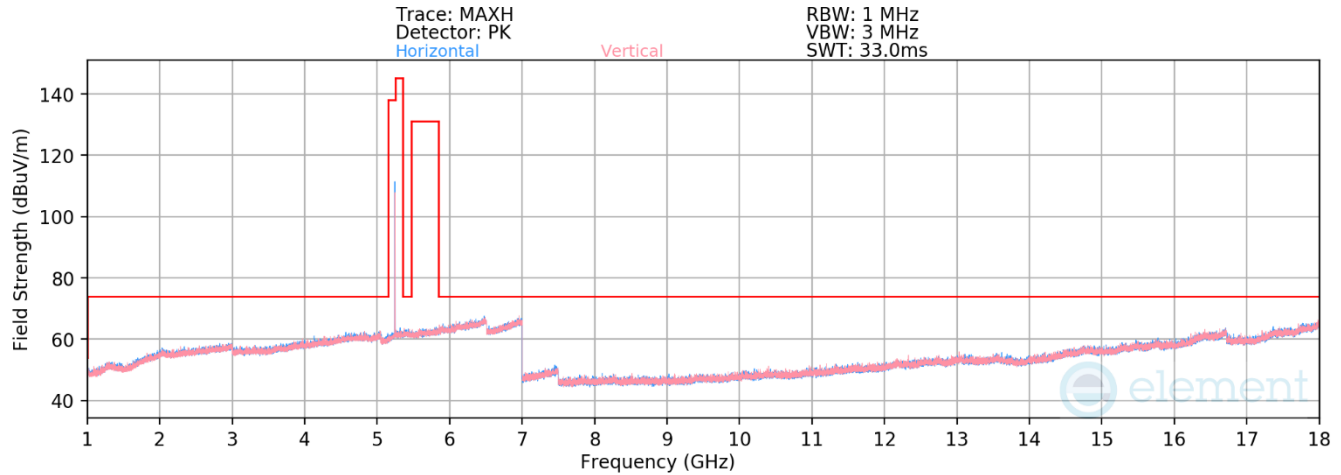
Operating Frequency: 5203MHz

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]
10406.00	Peak	H	-	-	-70.29	13.64	50.35	68.23	-17.88
* 15609.00	Average	V	-	-	-82.22	21.14	45.91	53.98	-8.07
* 15609.00	Peak	V	-	-	-71.73	21.14	56.41	73.98	-17.57

Table 7-36. Radiated Spurious Emissions Measurements TxBF Primary

FCC ID: BCGA3360		MEASUREMENT REPORT (CERTIFICATION)						Approved by: Technical Manager	
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Plot 7-454. Radiated Spurious Emissions 1-18GHz TxBF Primary (HDR4 ePA – 5245MHz)

Mode: HDR4

Data Rate: 4Mbps

Power Scheme: ePA

Distance of Measurements: 3 Meters

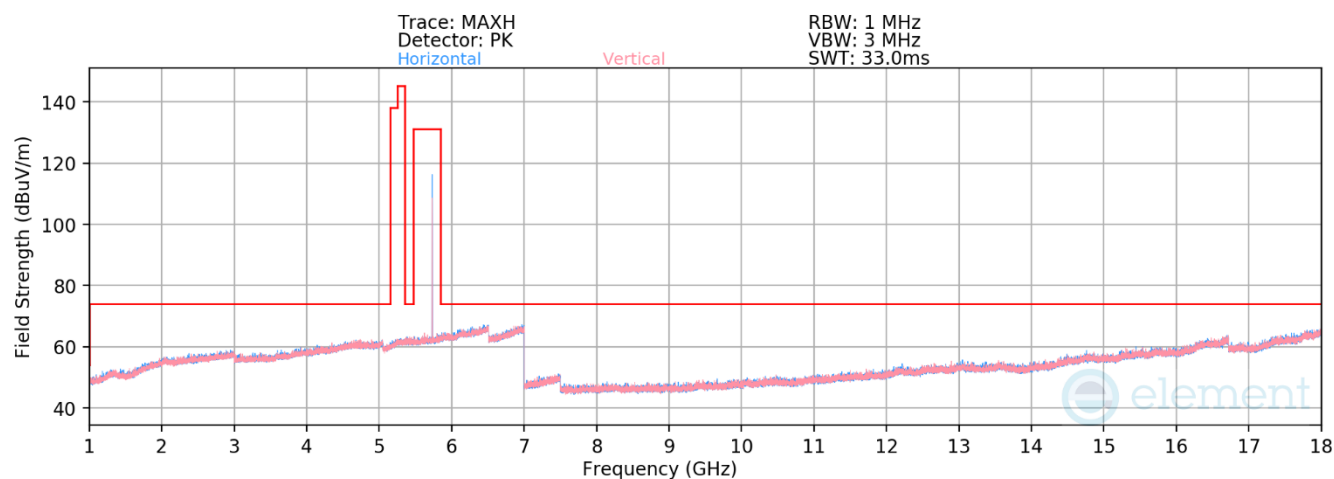
Operating Frequency: 5245MHz

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
10490.00	Peak	H	-	-	-71.23	14.33	50.10	68.23	-18.13
* 15735.00	Average	V	-	-	-82.22	22.06	46.84	53.98	-7.14
* 15735.00	Peak	V	-	-	-71.54	22.06	57.52	73.98	-16.46

Table 7-37. Radiated Spurious Emissions Measurements TxBF Primary

FCC ID: BCGA3360		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Plot 7-455. Radiated Spurious Emissions 1-18GHz TxBF Primary (HDR4 ePA – 5733MHz)

Mode: HDR4

Data Rate: 4Mbps

Power Scheme: ePA

Distance of Measurements: 3 Meters

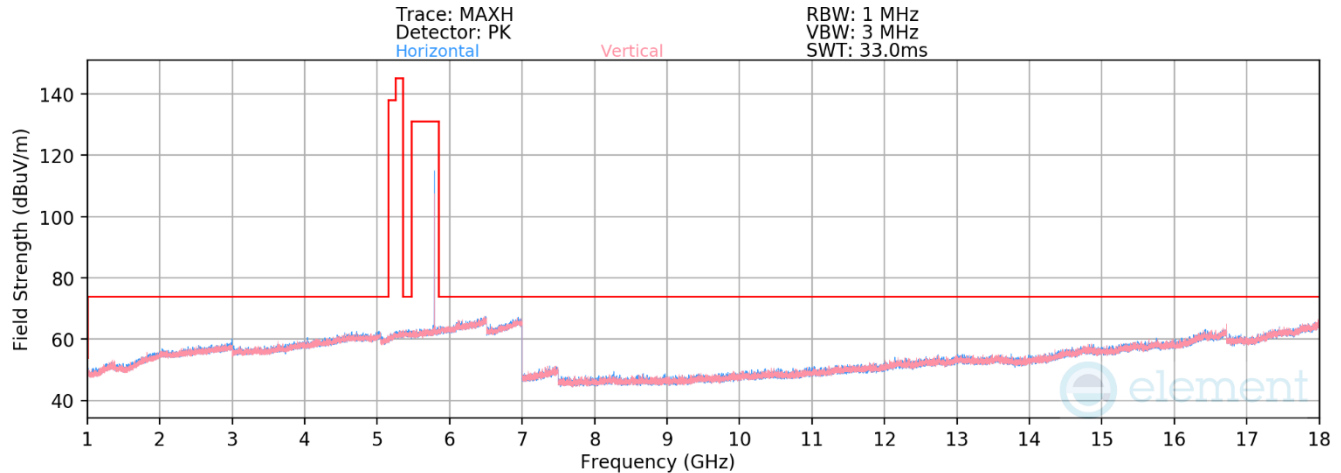
Operating Frequency: 5733MHz

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	V	-	-	-81.44	14.66	40.22	53.98	-13.76
* 11466.00	Peak	V	-	-	-70.16	14.66	51.50	73.98	-22.48
17199.00	Peak	V	-	-	-70.25	25.29	62.04	68.23	-6.19

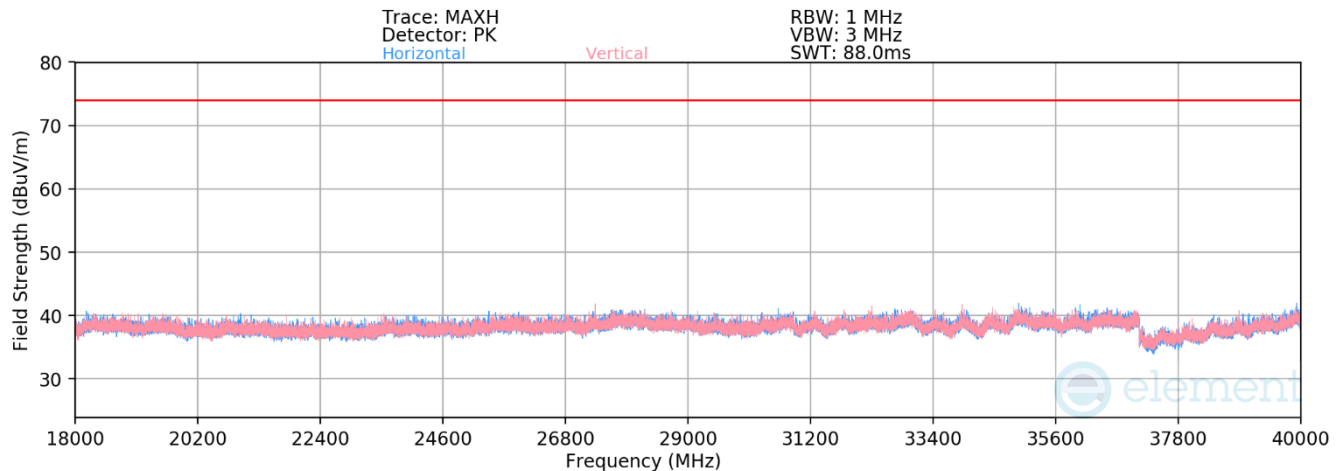
Table 7-38. Radiated Spurious Emissions Measurements TxBF Primary

FCC ID: BCGA3360		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-456. Radiated Spurious Emissions 1-18GHz TxBF Primary (HDR4 ePA – 5788MHz)



Plot 7-457. Radiated Spurious Emissions Above 18GHz (HDR4 ePA – 5788MHz)

Mode: HDR4

Data Rate: 4Mbps

Power Scheme: ePA

Distance of Measurements: 3 Meters

Operating Frequency: 5788MHz

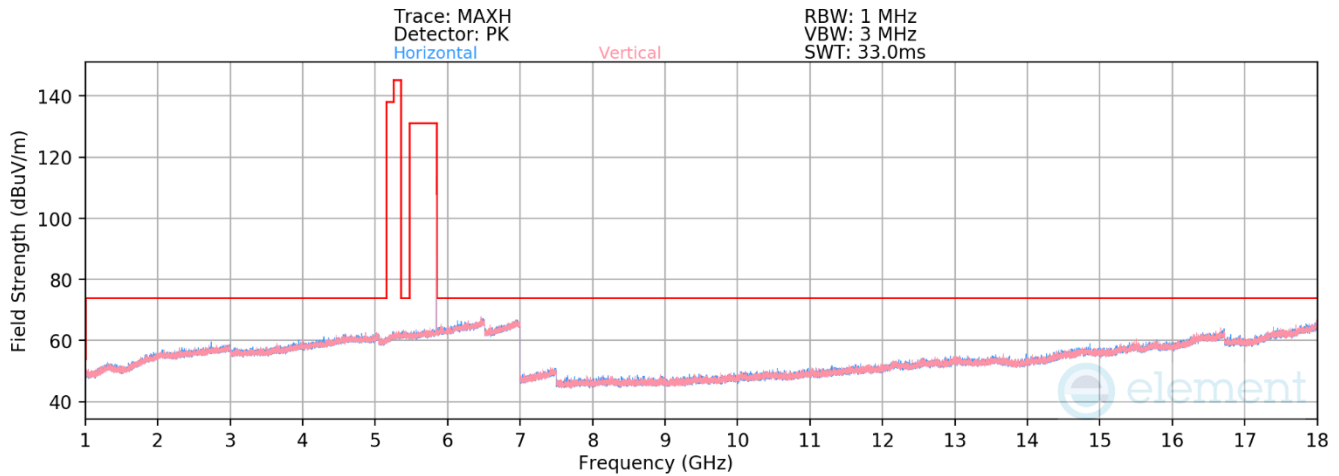
	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
*	11576.00	Average	V	-	-	-81.77	15.28	40.51	53.98	-13.47
*	11576.00	Peak	V	-	-	-70.71	15.28	51.57	73.98	-22.41
	17364.00	Peak	H	-	-	-70.37	25.50	62.12	68.23	-6.11

Table 7-39. Radiated Spurious Emissions Measurements TxBF Primary

FCC ID: BCGA3360		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170040-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device		Page 287 of 414

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Plot 7-458. Radiated Spurious Emissions 1-18GHz TxBF Primary (HDR4 ePA – 5844MHz)

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

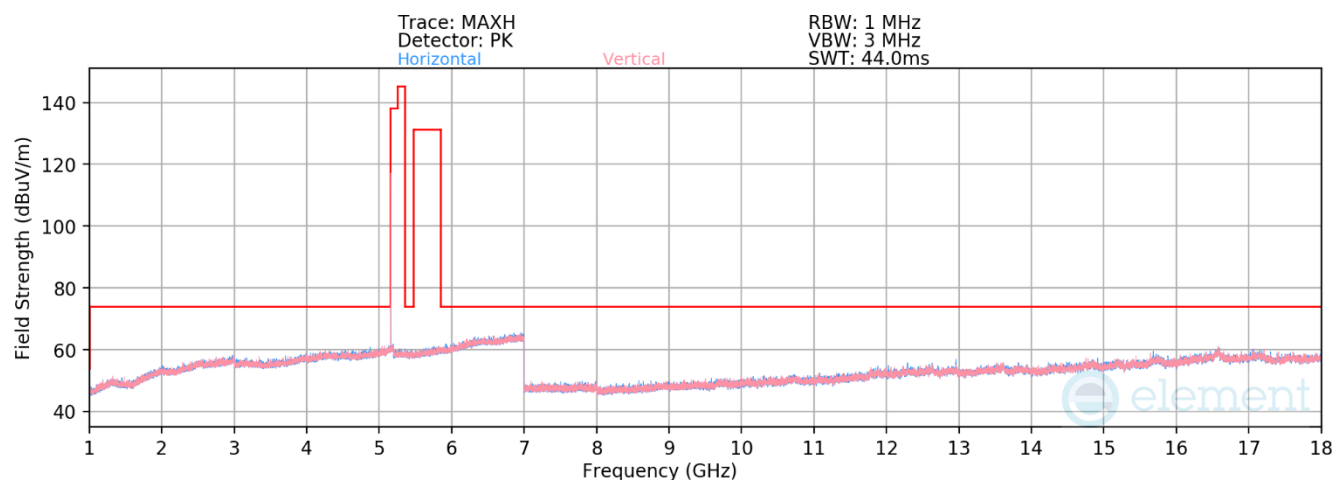
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
* 11688.00	Average	V	-	-	-81.52	15.21	40.69	53.98	-13.29
* 11688.00	Peak	V	-	-	-70.34	15.21	51.86	73.98	-22.12
17532.00	Peak	V	-	-	-71.38	26.20	61.82	68.23	-6.41

Table 7-40. Radiated Spurious Emissions Measurements TxBF Primary

FCC ID: BCGA3360		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170040-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device		Page 288 of 414

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LE



Plot 7-459. Radiated Spurious Emissions 1-18GHz TxBF Primary (LE1M ePA – 5162MHz)

Mode: LE

Data Rate: 1Mbps

Power Scheme: ePA

Distance of Measurements: 3 Meters

Operating Frequency: 5162MHz

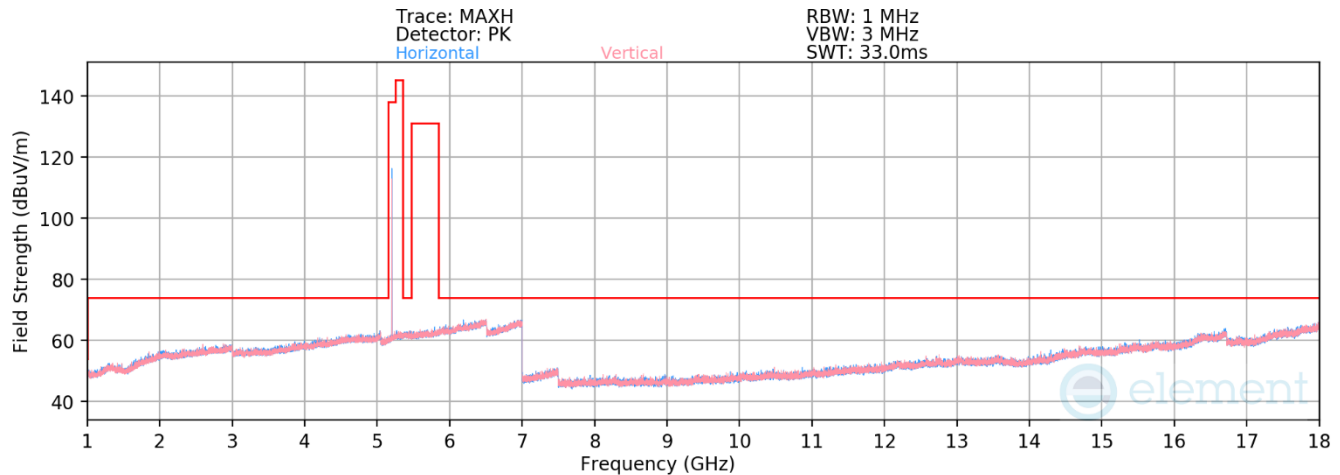
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
10324.00	Peak	H	-	-	-70.16	13.16	49.99	68.23	-18.24
* 15486.00	Average	V	-	-	-82.48	21.72	46.24	53.98	-7.74
* 15486.00	Peak	V	-	-	-71.04	21.72	57.67	73.98	-16.31

Table 7-41. Radiated Spurious Emissions Measurements TxBF Primary

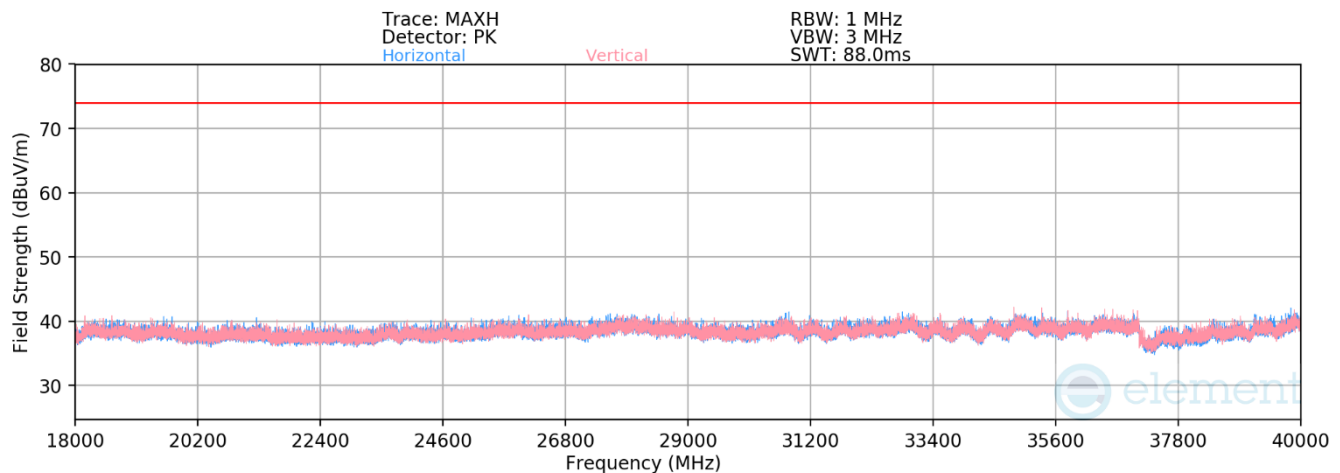
FCC ID: BCGA3360		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170040-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device		Page 289 of 414

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Plot 7-460. Radiated Spurious Emissions 1-18GHz TxBF Primary (LE1M ePA - 5203MHz)



Plot 7-461. Radiated Spurious Emissions Above 18GHz (LE1M ePA - 5203MHz)

Mode: LE

Data Rate: 1Mbps

Power Scheme: ePA

Distance of Measurements: 3 Meters

Operating Frequency: 5203MHz

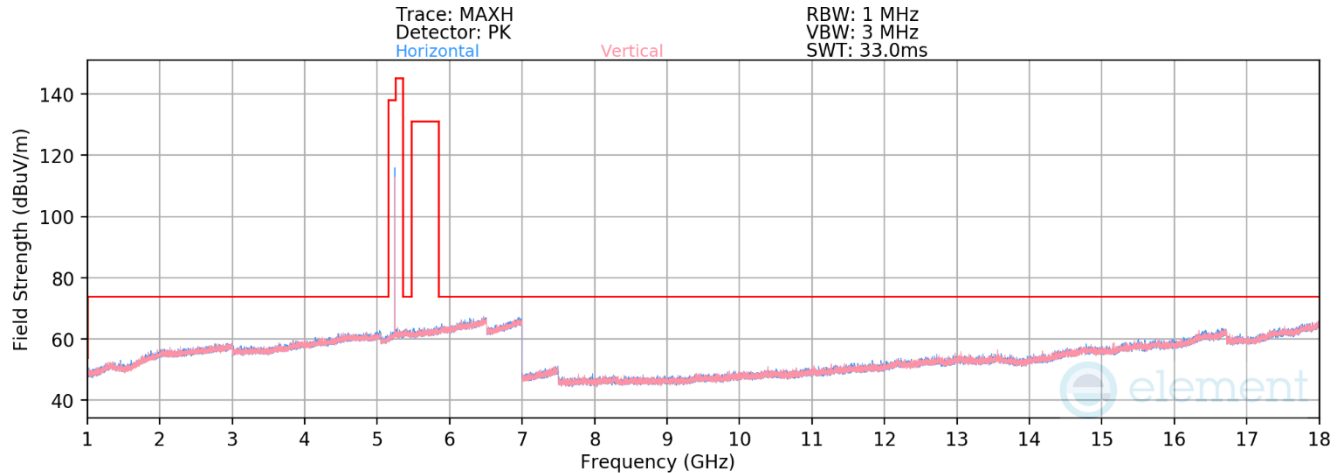
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
10406.00	Peak	H	-	-	-70.85	13.72	49.87	68.23	-18.36
* 15609.00	Average	H	-	-	-82.38	21.30	45.93	53.98	-8.05
* 15609.00	Peak	H	-	-	-71.92	21.30	56.38	73.98	-17.60

Table 7-42. Radiated Spurious Emissions Measurements TxBF Primary

FCC ID: BCGA3360		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170040-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device		Page 290 of 414

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Plot 7-462. Radiated Spurious Emissions 1-18GHz TxBF Primary (LE1M ePA – 5245MHz)

Mode: LE

Data Rate: 1Mbps

Power Scheme: ePA

Distance of Measurements: 3 Meters

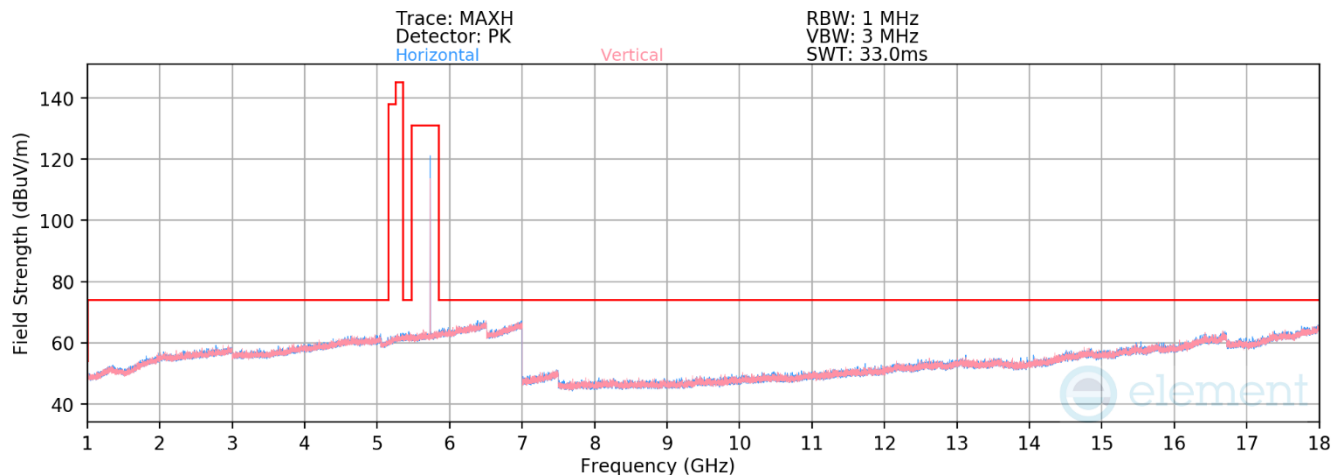
Operating Frequency: 5245MHz

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	-	-	-70.55	14.28	50.73	68.23	-17.50
* 15735.00	Average	V	-	-	-82.41	22.39	46.98	53.98	-7.00
* 15735.00	Peak	V	-	-	-71.65	22.39	57.74	73.98	-16.24

Table 7-43. Radiated Spurious Emissions Measurements TxBF Primary

FCC ID: BCGA3360		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170040-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device		Page 291 of 414

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Plot 7-463. Radiated Spurious Emissions 1-18GHz TxBF Primary (LE1M ePA - 5733MHz)

Mode: LE

Data Rate: 1Mbps

Power Scheme: ePA

Distance of Measurements: 3 Meters

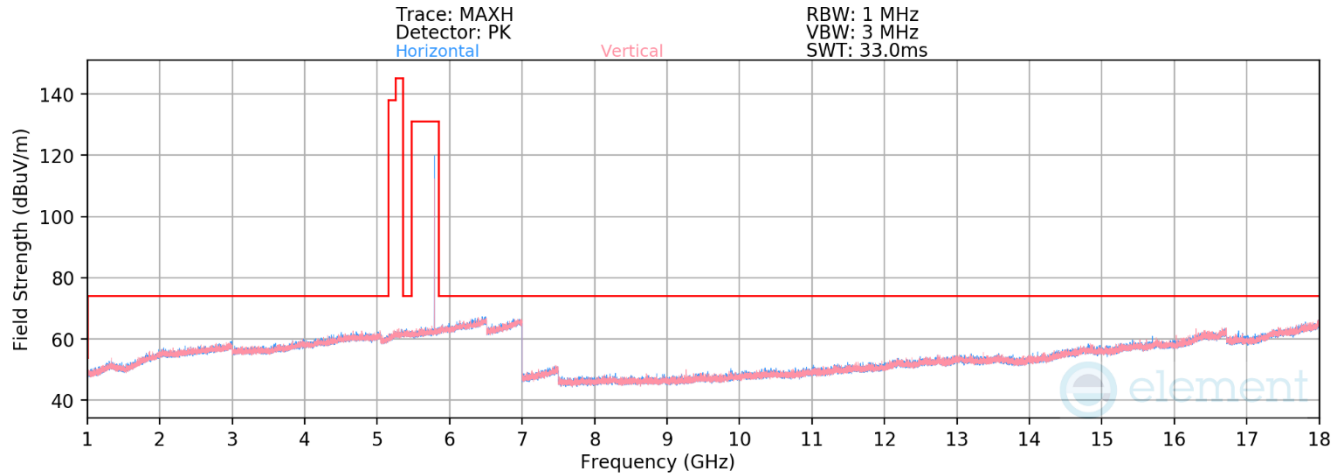
Operating Frequency: 5733MHz

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	V	-	-	-81.13	14.66	40.54	53.98	-13.44
* 11466.00	Peak	V	-	-	-70.60	14.66	51.07	73.98	-22.91
17199.00	Peak	H	-	-	-71.44	25.96	61.51	68.23	-6.72

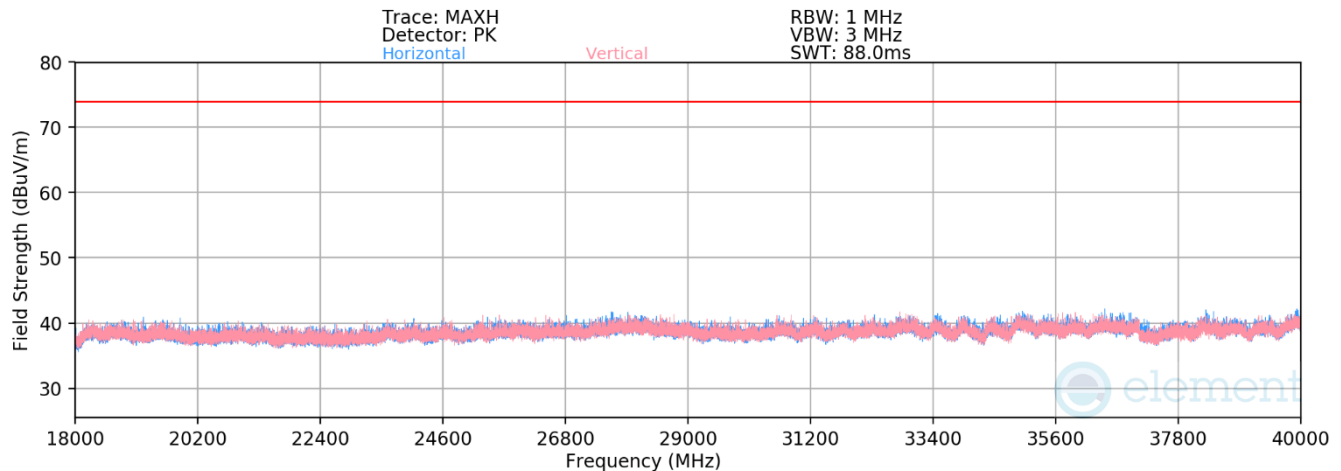
Table 7-44. Radiated Spurious Emissions Measurements TxBF Primary

FCC ID: BCGA3360		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170040-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device		Page 292 of 414

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Plot 7-464. Radiated Spurious Emissions 1-18GHz TxBF Primary (LE1M ePA - 5788MHz)



Plot 7-465. Radiated Spurious Emissions Above 18GHz (LE1M ePA - 5788MHz)

Mode: LE

Data Rate: 1Mbps

Power Scheme: ePA

Distance of Measurements: 3 Meters

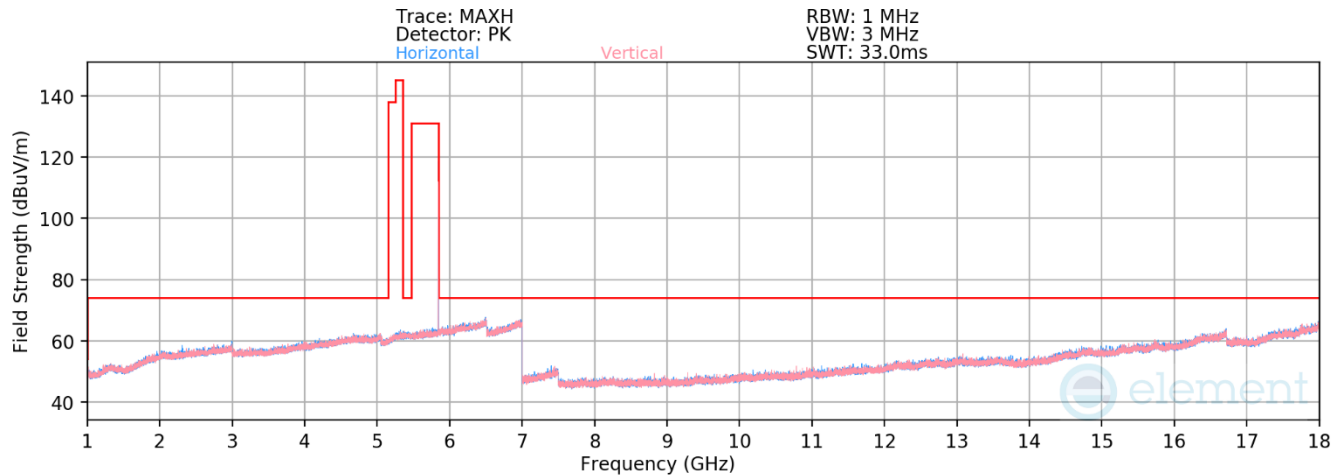
Operating Frequency: 5788MHz

	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]
*	11576.00	Average	H	-	-	-81.75	15.28	40.53	53.98	-13.45
*	11576.00	Peak	H	-	-	-70.70	15.28	51.58	73.98	-22.40
	17364.00	Peak	V	-	-	-70.34	24.68	61.34	68.23	-6.89

Table 7-45. Radiated Spurious Emissions Measurements TxBF Primary

FCC ID: BCGA3360		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170040-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device		Page 293 of 414

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Plot 7-466. Radiated Spurious Emissions 1-18GHz TxBF Primary (LE1M ePA – 5844MHz)

Mode: LE

Data Rate: 1Mbps

Power Scheme: ePA

Distance of Measurements: 3 Meters

Operating Frequency: 5844MHz

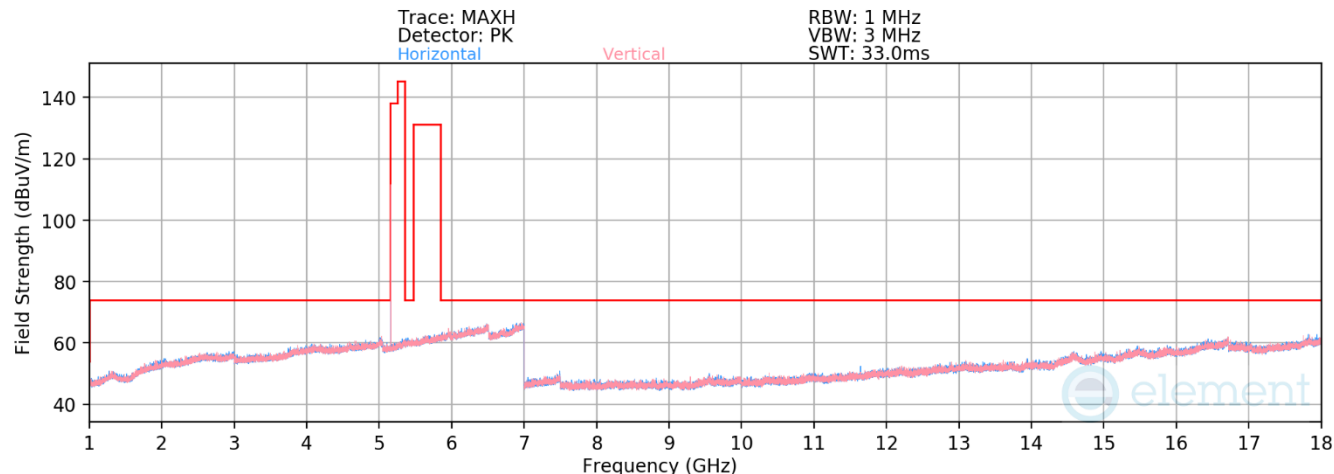
	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
*	11688.00	Average	H	-	-	-81.64	15.32	40.68	53.98	-13.30
*	11688.00	Peak	H	-	-	-70.20	15.32	52.12	73.98	-21.86
	17532.00	Peak	V	-	-	-70.97	25.70	61.73	68.23	-6.50

Table 7-46. Radiated Spurious Emissions Measurements TxBF Primary

FCC ID: BCGA3360		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170040-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 294 of 414

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7.6.2 TxBF Diversity Radiated Spurious Emission (Above 1GHz) BDR



Plot 7-467. Radiated Spurious Emissions 1-18GHz TxBF Diversity (BDR GFSK ePA – 5162MHz)

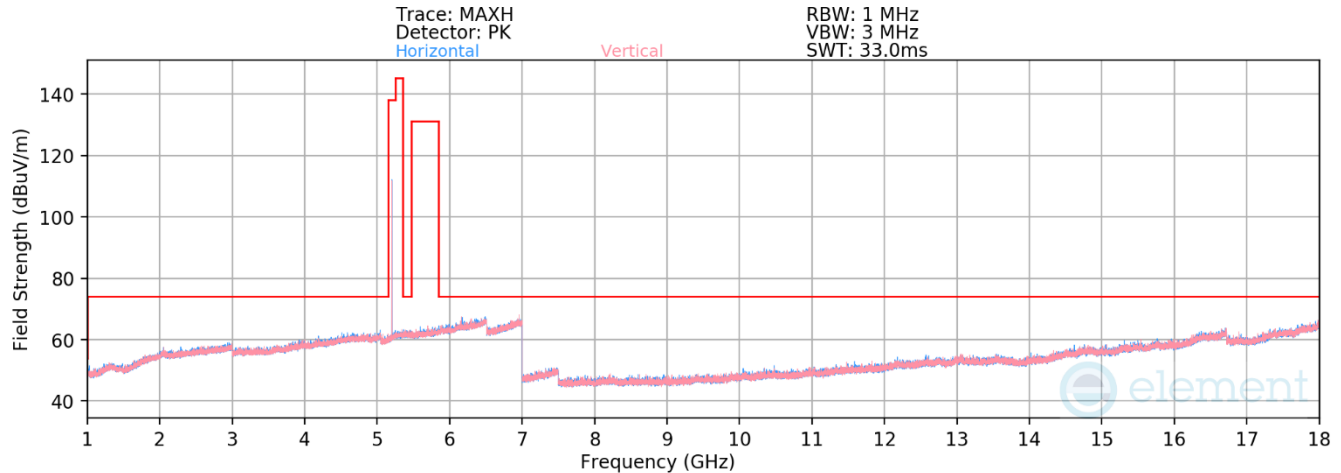
Mode:	BDR
Data Rate:	1Mbps
Power Scheme:	ePA
Distance of Measurements:	3 Meters
Operating Frequency:	5162MHz

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	-	-	-70.34	13.16	49.82	68.23	-18.41
* 15486.00	Average	H	-	-	-82.42	21.64	46.22	53.98	-7.76
* 15486.00	Peak	H	-	-	-71.19	21.64	57.45	73.98	-16.53

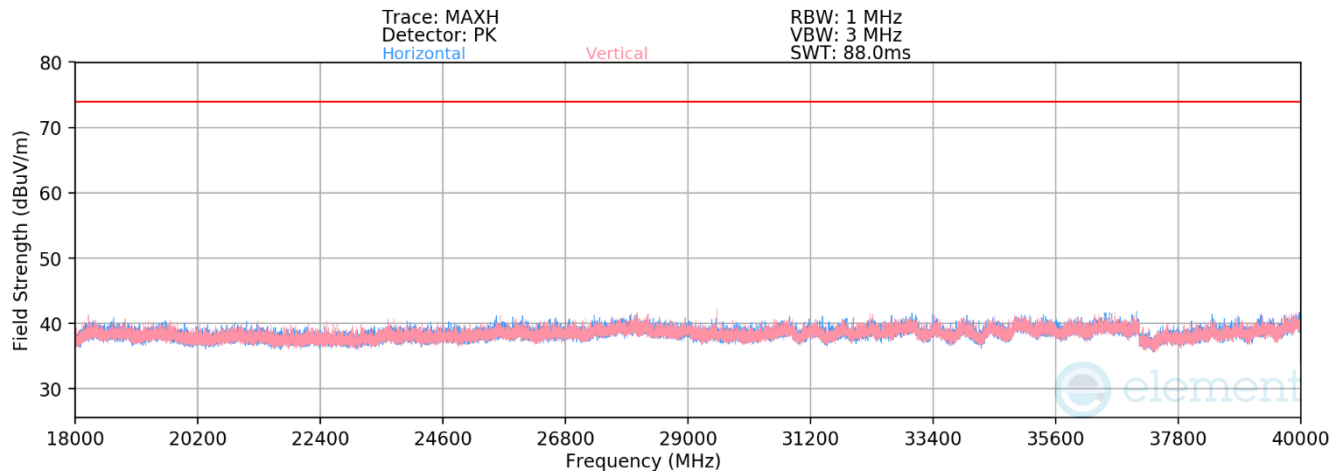
Table 7-47. Radiated Spurious Emissions Measurements TxBF Diversity

FCC ID: BCGA3360		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170040-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device		Page 295 of 414

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Plot 7-468. Radiated Spurious Emissions 1-18GHz TxBF Diversity (BDR GFSK ePA – 5203MHz)



Plot 7-469. Radiated Spurious Emissions Above 18GHz (BDR GFSK ePA – 5203MHz)

Mode: BDR

Data Rate: 1Mbps

Power Scheme: ePA

Distance of Measurements: 3 Meters

Operating Frequency: 5203MHz

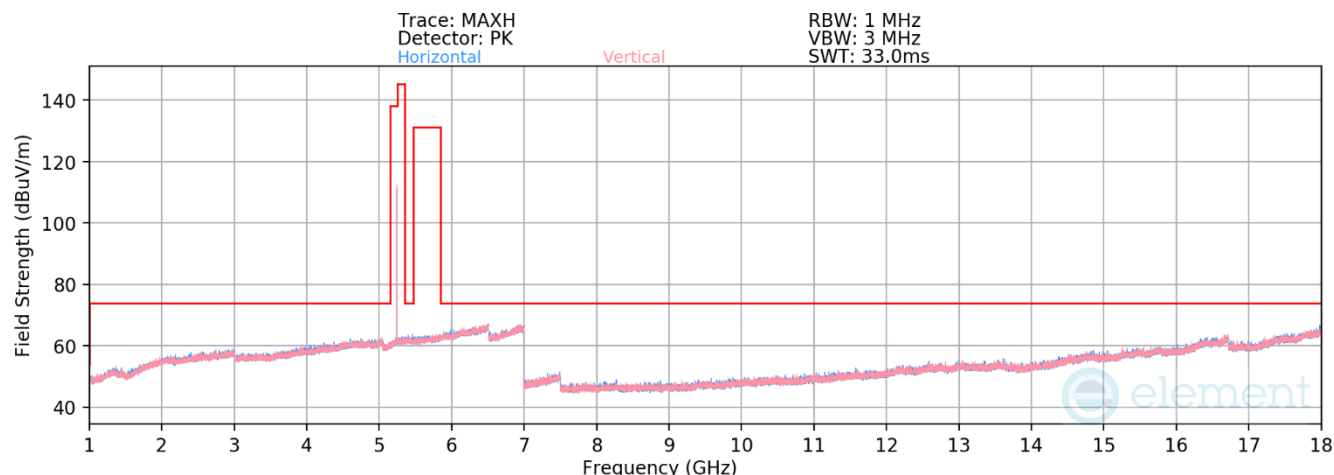
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
10406.00	Peak	H	-	-	-69.82	13.64	50.82	68.23	-17.41
* 15609.00	Average	V	-	-	-82.14	21.14	45.99	53.98	-7.99
* 15609.00	Peak	V	-	-	-70.46	21.14	57.67	73.98	-16.31

Table 7-48. Radiated Spurious Emissions Measurements TxBF Diversity

FCC ID: BCGA3360		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170040-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device		Page 296 of 414

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Plot 7-470. Radiated Spurious Emissions 1-18GHz TxBF Diversity (BDR GFSK ePA – 5245MHz)

Mode: BDR

Data Rate: 1Mbps

Power Scheme: ePA

Distance of Measurements: 3 Meters

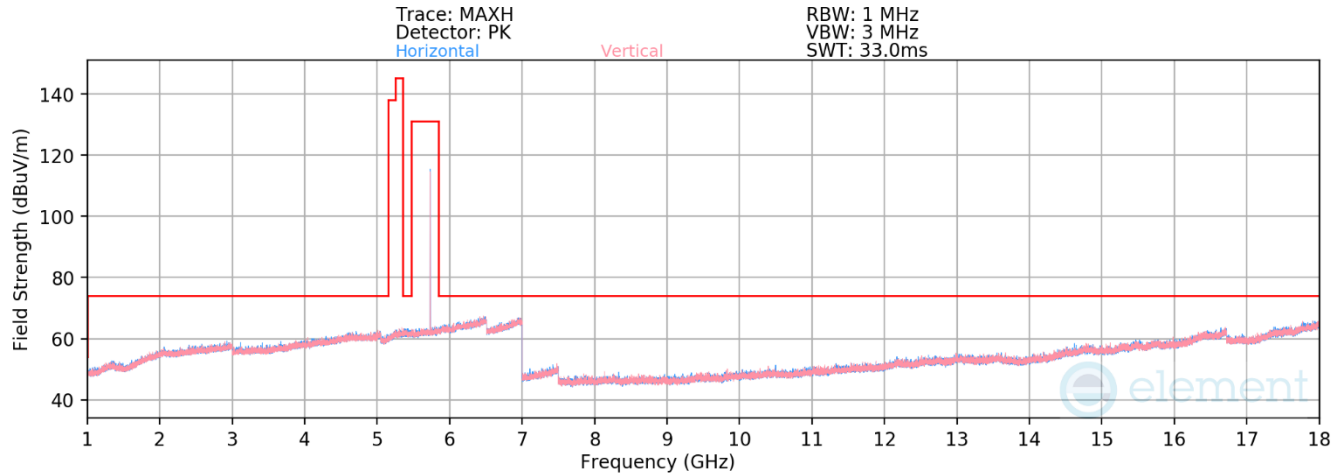
Operating Frequency: 5245MHz

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	V	-	-	-70.79	14.28	50.49	68.23	-17.74
* 15735.00	Average	H	-	-	-82.07	22.39	47.32	53.98	-6.66
* 15735.00	Peak	H	-	-	-71.76	22.39	57.63	73.98	-16.35

Table 7-49. Radiated Spurious Emissions Measurements TxBF Diversity

FCC ID: BCGA3360		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170040-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device		Page 297 of 414

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Plot 7-471. Radiated Spurious Emissions 1-18GHz TxBF Diversity (BDR GFSK ePA – 5733MHz)

Mode: BDR

Data Rate: 1Mbps

Power Scheme: ePA

Distance of Measurements: 3 Meters

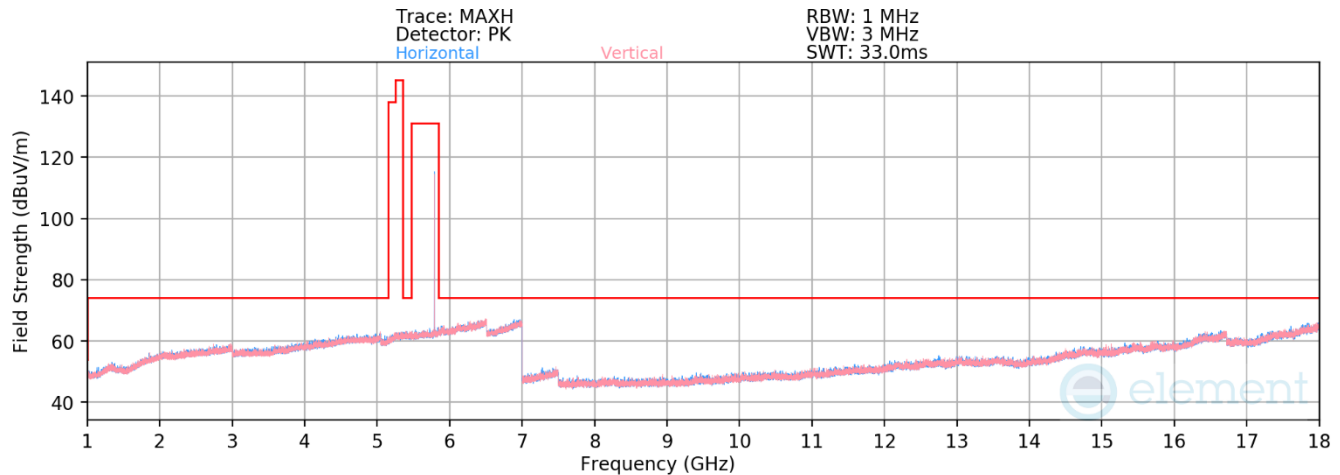
Operating Frequency: 5733MHz

	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	-	-	-81.12	14.70	40.58	53.98	-13.40
*	11466.00	Peak	H	-	-	-70.84	14.70	50.85	73.98	-23.13
	17199.00	Peak	H	-	-	-70.17	25.32	62.16	68.23	-6.07

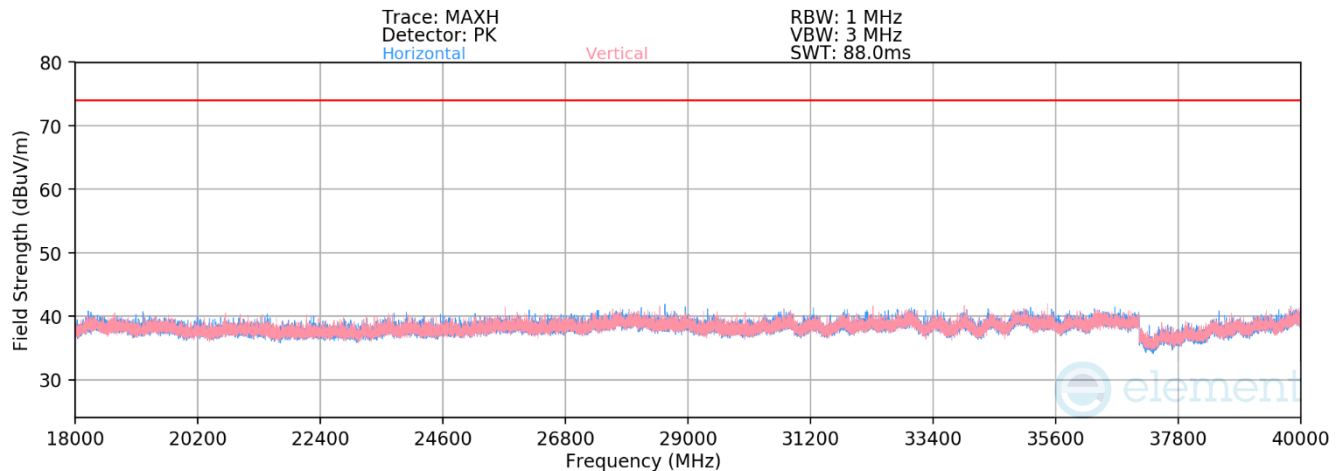
Table 7-50. Radiated Spurious Emissions Measurements TxBF Diversity

FCC ID: BCGA3360		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170040-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 298 of 414

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Plot 7-472. Radiated Spurious Emissions 1-18GHz TxBF Diversity (BDR GFSK ePA – 5788MHz)



Plot 7-473. Radiated Spurious Emissions Above 18GHz (BDR GFSK ePA – 5788MHz)

Mode: BDR

Data Rate: 1Mbps

Power Scheme: ePA

Distance of Measurements: 3 Meters

Operating Frequency: 5788MHz

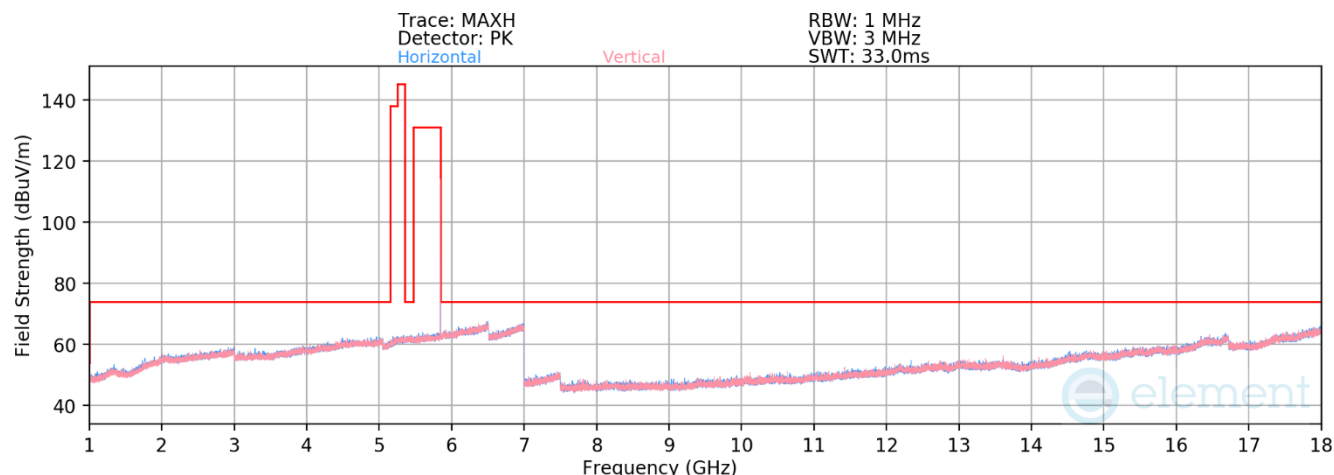
	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
*	11576.00	Average	H	-	-	-81.52	15.28	40.76	53.98	-13.22
*	11576.00	Peak	H	-	-	-70.38	15.28	51.90	73.98	-22.08
	17364.00	Peak	H	-	-	-70.80	25.90	62.10	68.23	-6.13

Table 7-51. Radiated Spurious Emissions Measurements TxBF Diversity

FCC ID: BCGA3360		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170040-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device		Page 299 of 414

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Plot 7-474. Radiated Spurious Emissions 1-18GHz TxBF Diversity (BDR GFSK ePA – 5844MHz)

Mode: BDR

Data Rate: 1Mbps

Power Scheme: ePA

Distance of Measurements: 3 Meters

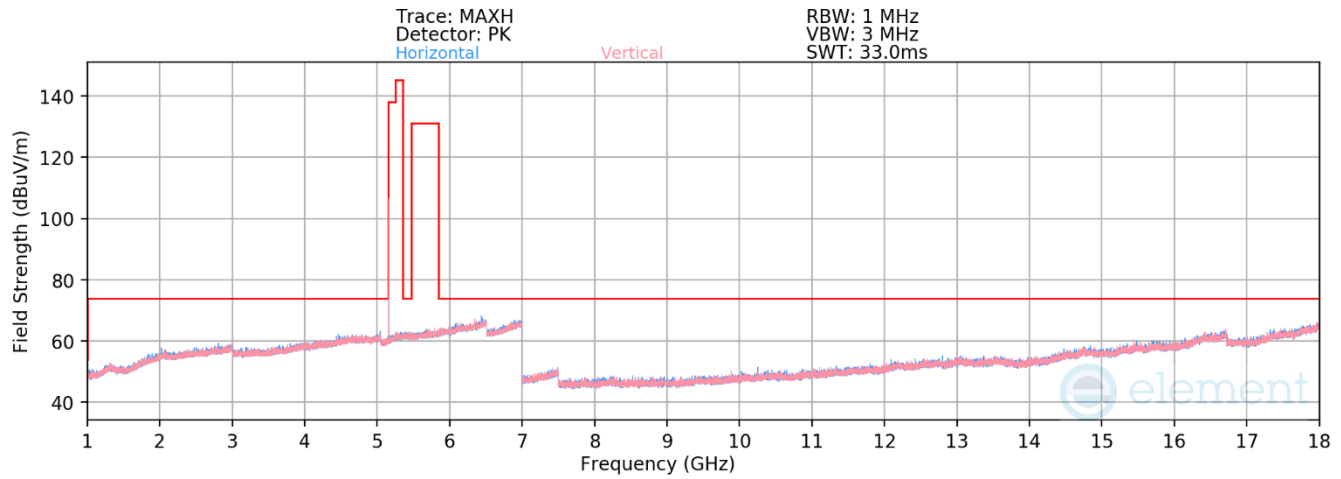
Operating Frequency: 5844MHz

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	V	-	-	-81.59	14.98	40.39	53.98	-13.59
* 11688.00	Peak	V	-	-	-70.83	14.98	51.15	73.98	-22.83
17532.00	Peak	H	-	-	-71.41	25.09	60.68	68.23	-7.55

Table 7-52. Radiated Spurious Emissions Measurements TxBF Diversity

FCC ID: BCGA3360		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170040-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device		Page 300 of 414

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Plot 7-475. Radiated Spurious Emissions 1-18GHz TxBF Diversity (HDR4 ePA – 5162MHz)

Mode: HDR4

Data Rate: 4Mbps

Power Scheme: ePA

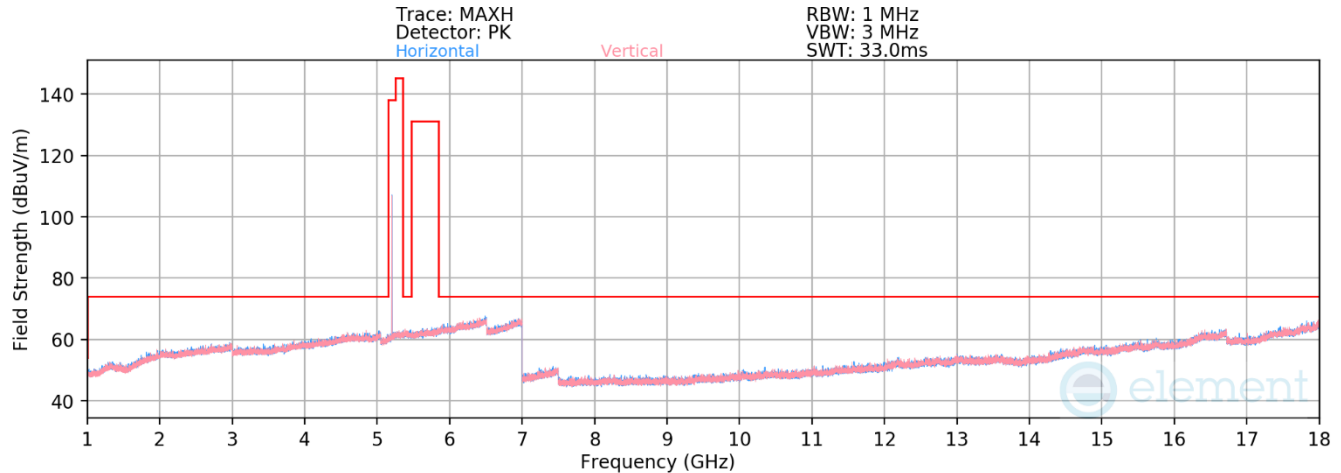
Distance of Measurements: 3 Meters

Operating Frequency: 5162MHz

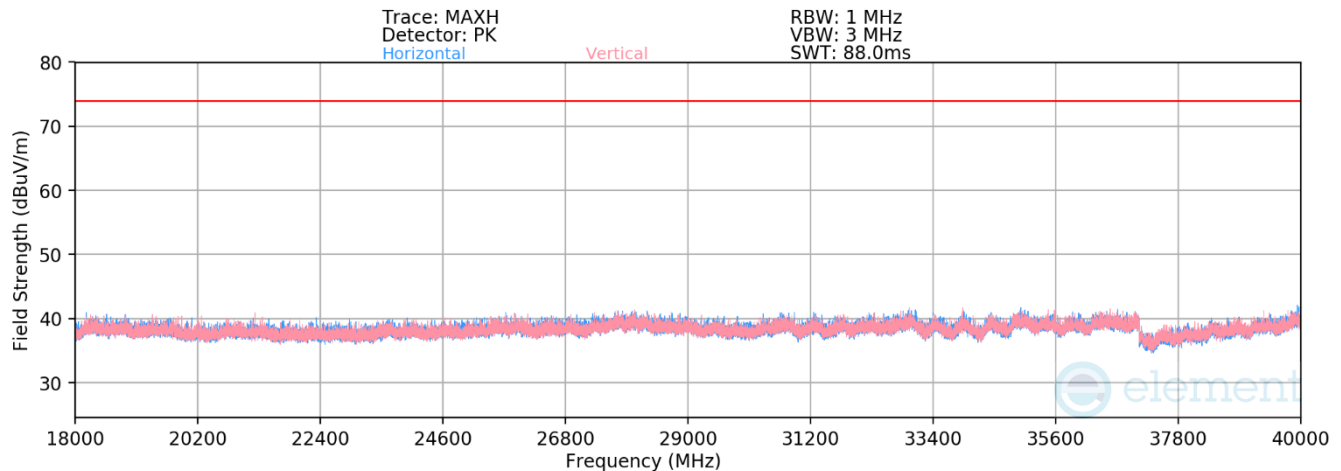
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
10324.00	Peak	H	-	-	-69.32	13.16	50.84	68.23	-17.39
* 15486.00	Average	V	-	-	-82.01	21.39	46.38	53.98	-7.60
* 15486.00	Peak	V	-	-	-71.34	21.39	57.05	73.98	-16.93

Table 7-53. Radiated Spurious Emissions Measurements TxBF Diversity

FCC ID: BCGA3360		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170040-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device		Page 301 of 414



Plot 7-476. Radiated Spurious Emissions 1-18GHz TxBF Diversity (HDR4 ePA – 5203MHz)



Plot 7-477. Radiated Spurious Emissions Above 18GHz (HDR4 ePA – 5203MHz)

Mode: HDR4

Data Rate: 4Mbps

Power Scheme: ePA

Distance of Measurements: 3 Meters

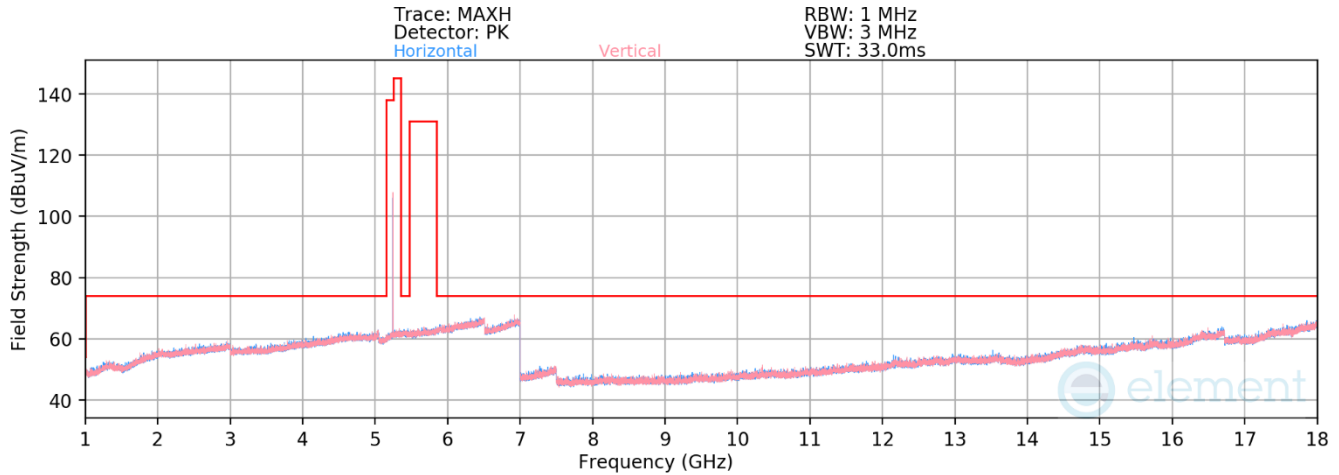
Operating Frequency: 5203MHz

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]
10406.00	Peak	H	-	-	-70.46	13.72	50.26	68.23	-17.97
* 15609.00	Average	V	-	-	-82.30	21.30	46.01	53.98	-7.97
* 15609.00	Peak	V	-	-	-71.22	21.30	57.09	73.98	-16.89

Table 7-54. Radiated Spurious Emissions Measurements TxBF Diversity

FCC ID: BCGA3360		MEASUREMENT REPORT (CERTIFICATION)						Approved by: Technical Manager	
Test Report S/N: 1C2504170040-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device						Page 302 of 414	

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Plot 7-478. Radiated Spurious Emissions 1-18GHz TxBF Diversity (HDR4 ePA – 5245MHz)

Mode: HDR4

Data Rate: 4Mbps

Power Scheme: ePA

Distance of Measurements: 3 Meters

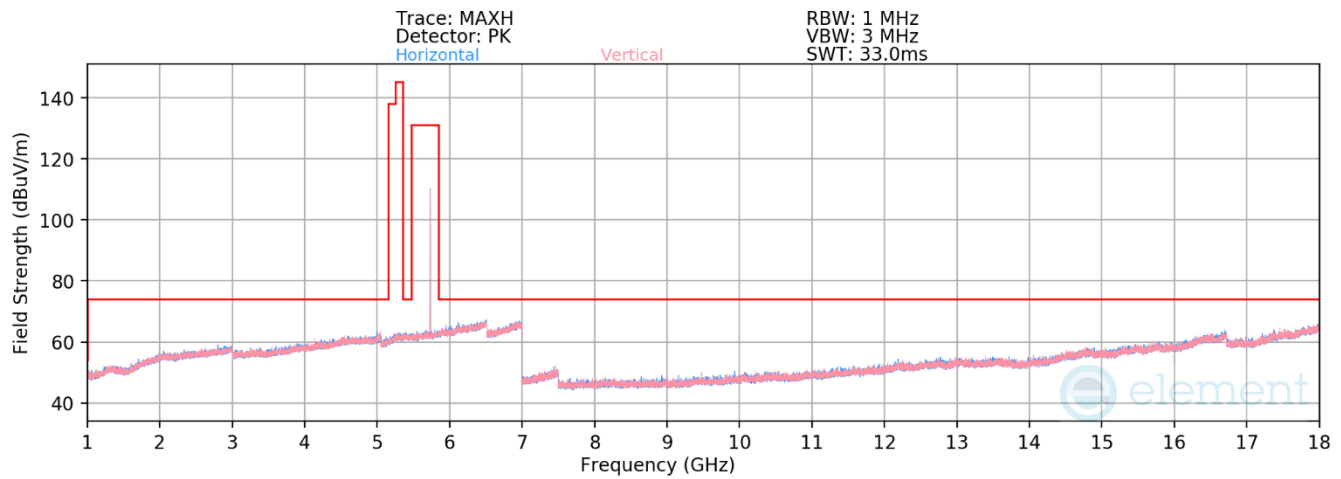
Operating Frequency: 5245MHz

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	V	-	-	-70.45	13.61	50.16	68.23	-18.07
* 15735.00	Average	V	-	-	-82.16	22.06	46.89	53.98	-7.09
* 15735.00	Peak	V	-	-	-71.07	22.06	57.99	73.98	-15.99

Table 7-55. Radiated Spurious Emissions Measurements TxBF Diversity

FCC ID: BCGA3360		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170040-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device		Page 303 of 414

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Plot 7-479. Radiated Spurious Emissions 1-18GHz TxBF Diversity (HDR4 ePA – 5733MHz)

Mode: HDR4

Data Rate: 4Mbps

Power Scheme: ePA

Distance of Measurements: 3 Meters

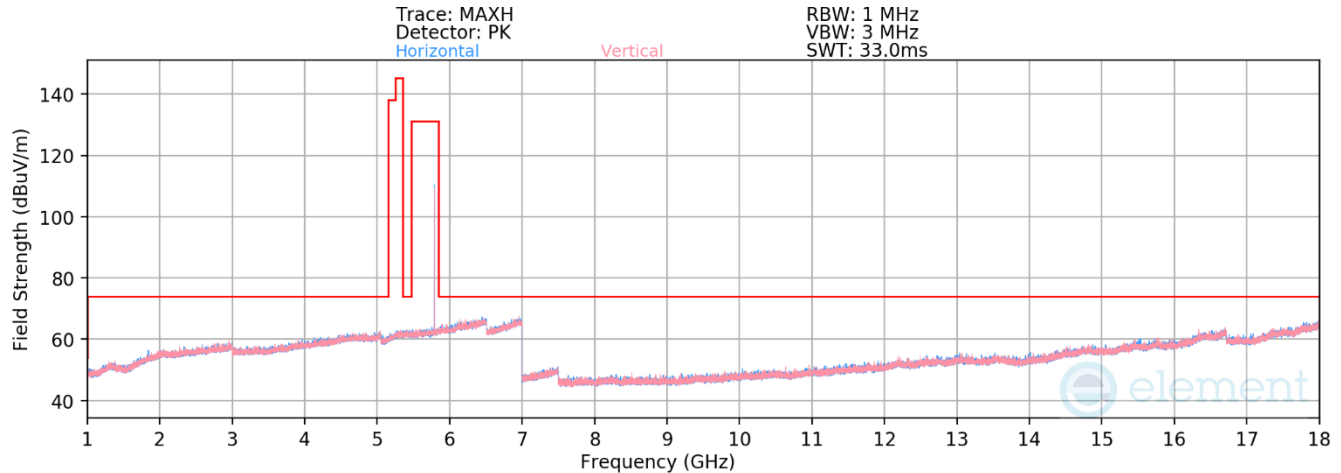
Operating Frequency: 5733MHz

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	-	-	-81.49	14.66	40.17	53.98	-13.81
* 11466.00	Peak	H	-	-	-69.99	14.66	51.67	73.98	-22.31
17199.00	Peak	H	-	-	-70.83	25.86	62.02	68.23	-6.21

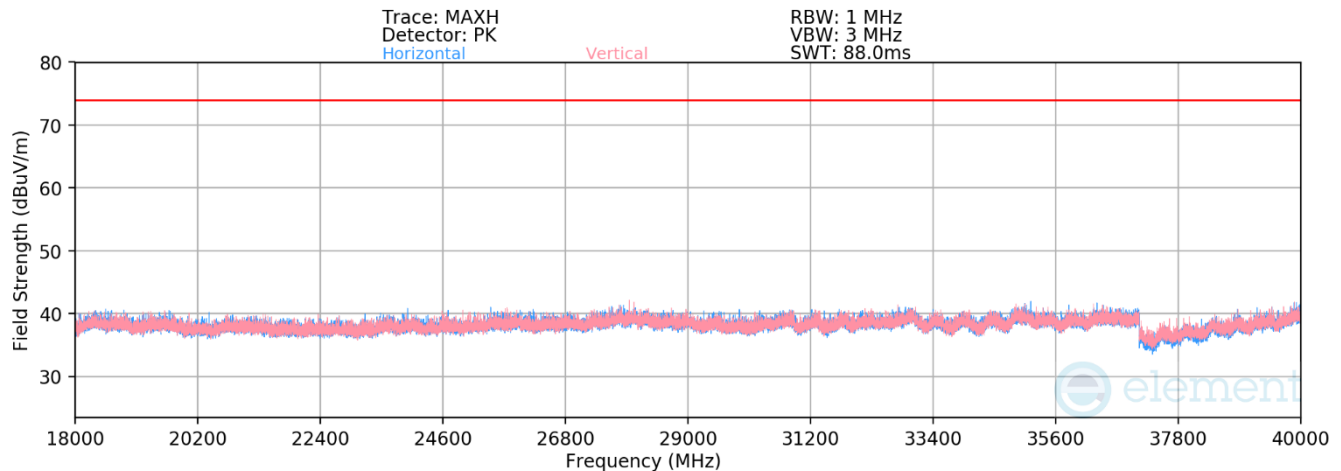
Table 7-56. Radiated Spurious Emissions Measurements TxBF Diversity

FCC ID: BCGA3360		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170040-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 304 of 414

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Plot 7-480. Radiated Spurious Emissions 1-18GHz TxBF Diversity (HDR4 ePA – 5788MHz)



Plot 7-481. Radiated Spurious Emissions Above 18GHz (HDR4 ePA – 5788MHz)

Mode: HDR4

Data Rate: 4Mbps

Power Scheme: ePA

Distance of Measurements: 3 Meters

Operating Frequency: 5788MHz

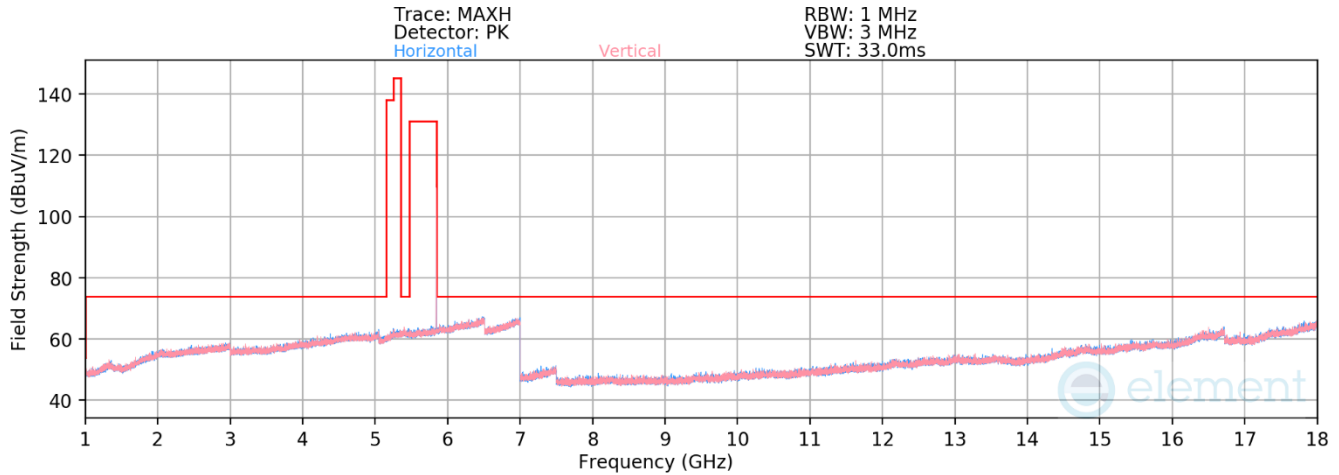
	Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
*	11576.00	Average	H	-	-	-81.57	15.28	40.71	53.98	-13.27
*	11576.00	Peak	H	-	-	-70.47	15.28	51.81	73.98	-22.17
	17364.00	Peak	H	-	-	-70.29	25.50	62.20	68.23	-6.03

Table 7-57. Radiated Spurious Emissions Measurements TxBF Diversity

FCC ID: BCGA3360		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170040-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device		Page 305 of 414

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Plot 7-482. Radiated Spurious Emissions 1-18GHz TxBF Diversity (HDR4 ePA – 5844MHz)

Mode: HDR4

Data Rate: 4Mbps

Power Scheme: ePA

Distance of Measurements: 3 Meters

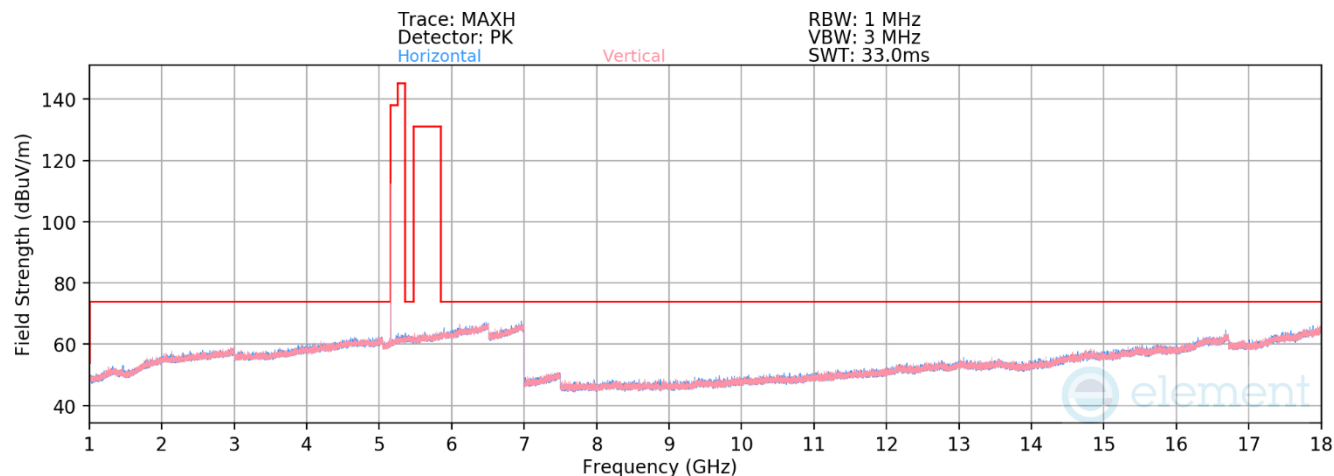
Operating Frequency: 5844MHz

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	V	-	-	-81.60	14.98	40.38	53.98	-13.60
* 11688.00	Peak	V	-	-	-70.54	14.98	51.44	73.98	-22.54
17532.00	Peak	V	-	-	-71.12	26.20	62.08	68.23	-6.15

Table 7-58. Radiated Spurious Emissions Measurements TxBF Diversity

FCC ID: BCGA3360		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170040-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device	Page 306 of 414

LE



Plot 7-483. Radiated Spurious Emissions 1-18GHz TxBF Diversity (LE1M ePA – 5162MHz)

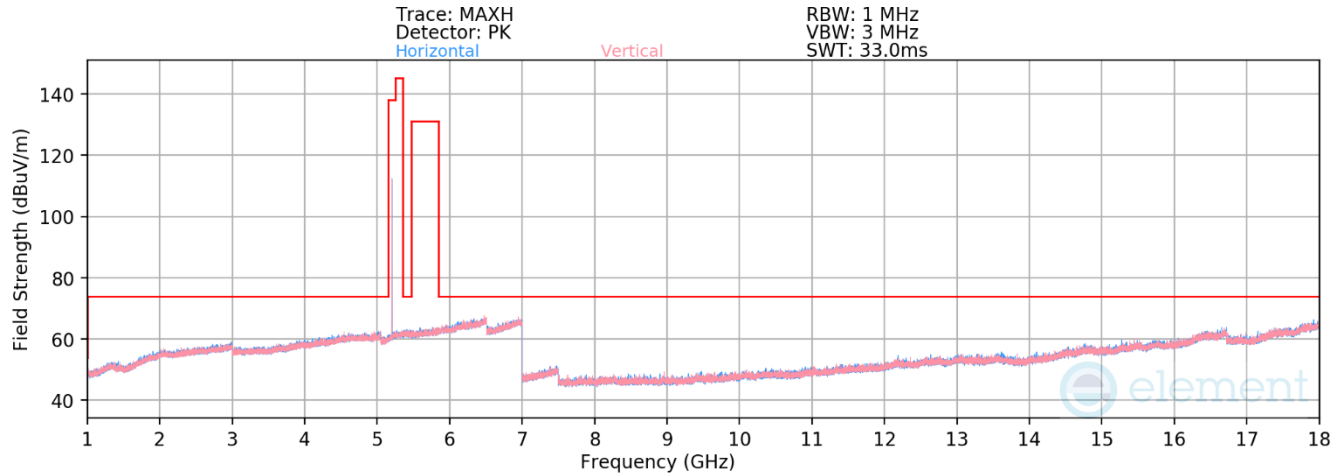
Mode:	LE
Data Rate:	1Mbps
Power Scheme:	ePA
Distance of Measurements:	3 Meters
Operating Frequency:	5162MHz

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	V	-	-	-69.80	13.26	50.45	68.23	-17.78
* 15486.00	Average	V	-	-	-82.28	21.64	46.36	53.98	-7.62
* 15486.00	Peak	V	-	-	-70.82	21.64	57.82	73.98	-16.16

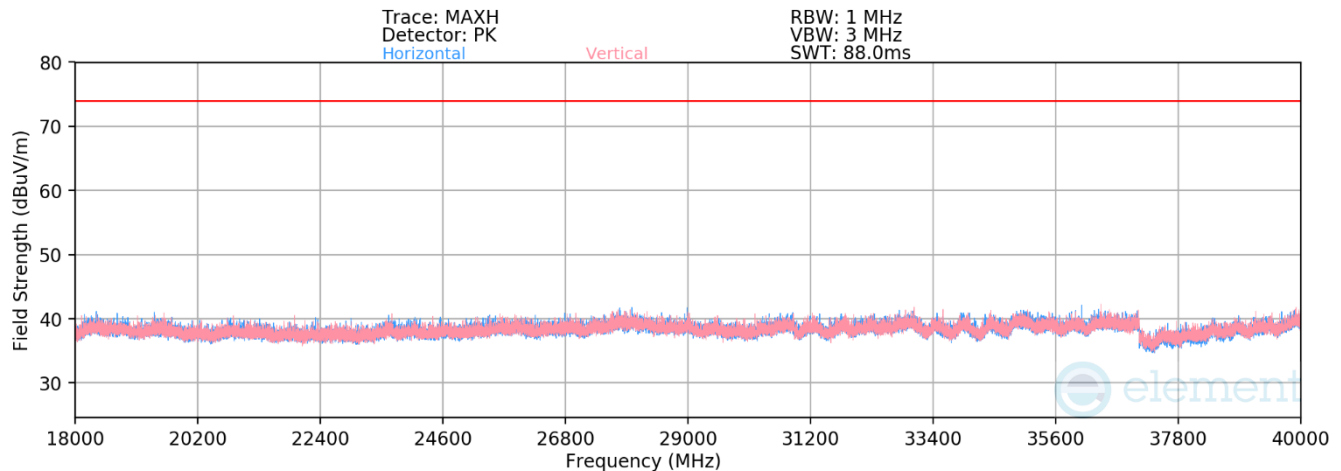
Table 7-59. Radiated Spurious Emissions Measurements TxBF Diversity

FCC ID: BCGA3360		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170040-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device		Page 307 of 414

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Plot 7-484. Radiated Spurious Emissions 1-18GHz TxBF Diversity (LE1M ePA – 5203MHz)



Plot 7-485. Radiated Spurious Emissions Above 18GHz (LE1M ePA – 5203MHz)

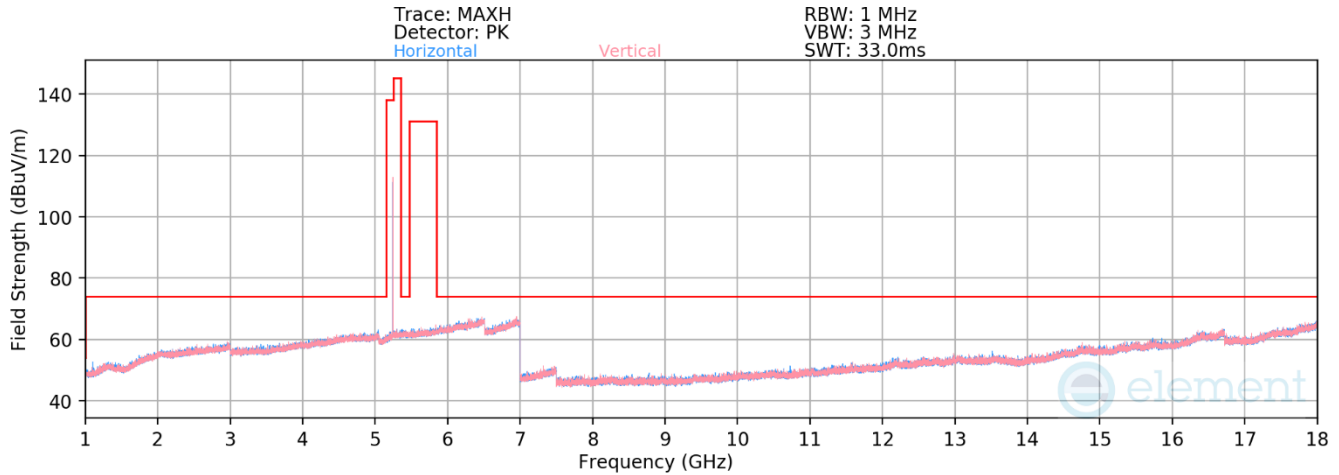
Mode:	LE
Data Rate:	1Mbps
Power Scheme:	ePA
Distance of Measurements:	3 Meters
Operating Frequency:	5203MHz

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]
10406.00	Peak	H	-	-	-69.10	13.20	51.10	68.23	-17.13
* 15609.00	Average	H	-	-	-82.18	21.21	46.03	53.98	-7.95
* 15609.00	Peak	H	-	-	-71.12	21.21	57.08	73.98	-16.90

Table 7-60. Radiated Spurious Emissions Measurements TxBF Diversity

FCC ID: BCGA3360		MEASUREMENT REPORT (CERTIFICATION)						Approved by: Technical Manager	
Test Report S/N: 1C2504170040-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device						Page 308 of 414	

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Plot 7-486. Radiated Spurious Emissions 1-18GHz TxBF Diversity (LE1M ePA – 5245MHz)

Mode: LE

Data Rate: 1Mbps

Power Scheme: ePA

Distance of Measurements: 3 Meters

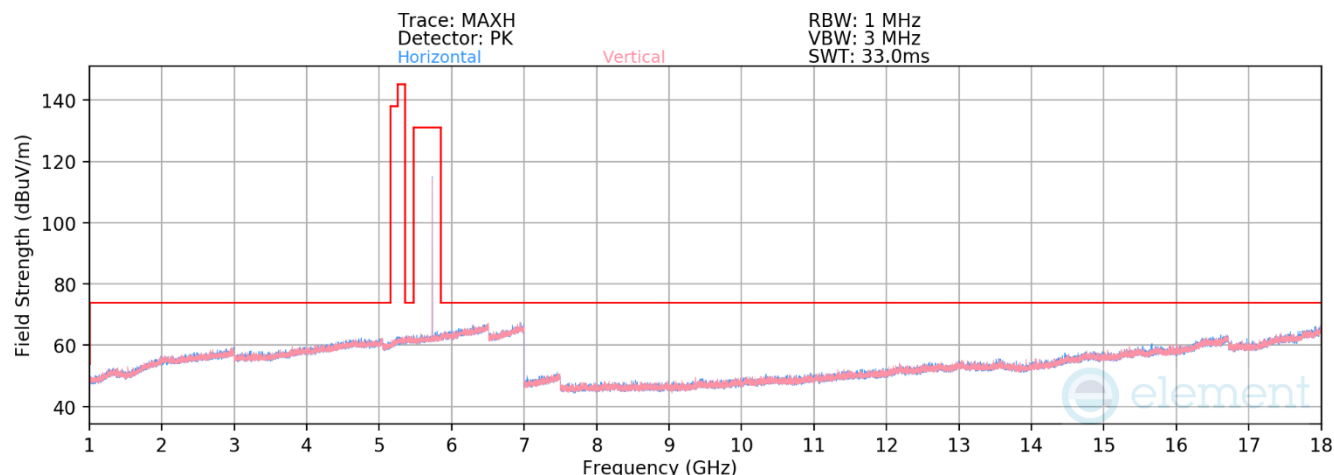
Operating Frequency: 5245MHz

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	-	-	-70.55	13.61	50.06	68.23	-18.17
* 15735.00	Average	H	-	-	-82.18	22.39	47.22	53.98	-6.76
* 15735.00	Peak	H	-	-	-72.16	22.39	57.23	73.98	-16.75

Table 7-61. Radiated Spurious Emissions Measurements TxBF Diversity

FCC ID: BCGA3360		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170040-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device		Page 309 of 414

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Plot 7-487. Radiated Spurious Emissions 1-18GHz TxBF Diversity (LE1M ePA – 5733MHz)

Mode:	LE
Data Rate:	1Mbps
Power Scheme:	ePA
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	-	-	-81.35	14.66	40.31	53.98	-13.67
* 11466.00	Peak	H	-	-	-69.80	14.66	51.87	73.98	-22.11
17199.00	Peak	V	-	-	-70.84	25.96	62.12	68.23	-6.11

Table 7-62. Radiated Spurious Emissions Measurements TxBF Diversity

FCC ID: BCGA3360		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1C2504170040-10-R3.BCG	Test Dates: 05/12/2025 - 08/13/2025	EUT Type: Tablet Device		Page 310 of 414

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