

**Plot 7-89. Radiated Spurious Emissions 1-18GHz (BDR GFSK – 5731MHz)**

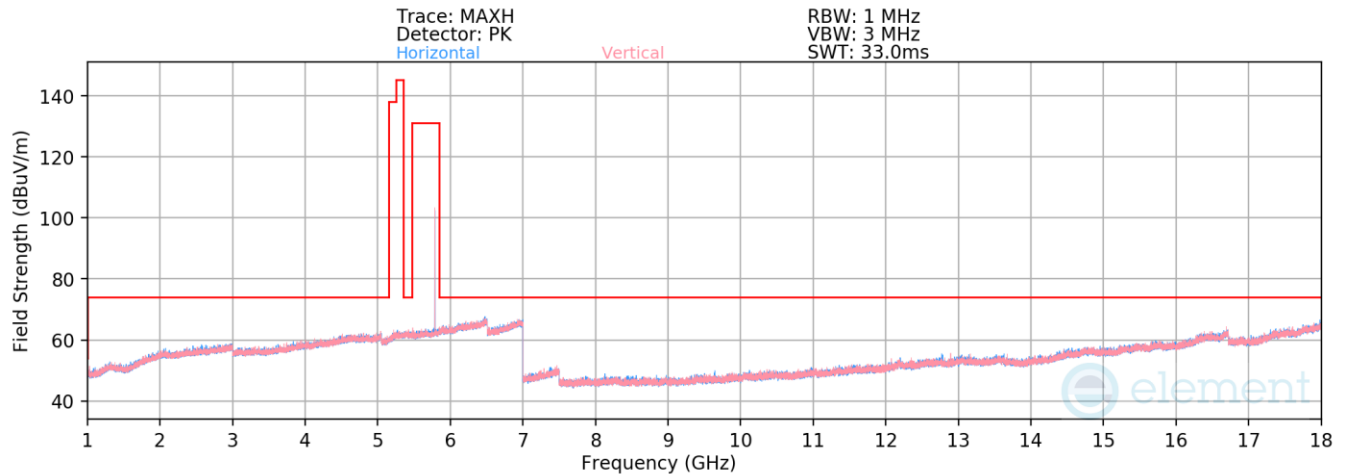
Mode: BDR  
Data Rate: 1Mbps  
Distance of Measurements: 3 Meters  
Operating Frequency: 5731MHz

	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]
*	11462.00	Avg	-	-	-	-81.46	14.71	40.25	53.98	-13.73
*	11462.00	Peak	-	-	-	-70.47	14.71	51.24	73.98	-22.74
	17193.00	Peak	V	316	23	-73.59	27.73	61.14	68.23	-7.09

**Table 7-11. Radiated Spurious Emissions Measurements**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 74 of 130

V 10.6 10/27/2023



**Plot 7-90. Radiated Spurious Emissions 1-18GHz (BDR GFSK – 5788MHz)**

Mode: BDR

Data Rate: 1Mbps

Distance of Measurements: 3 Meters

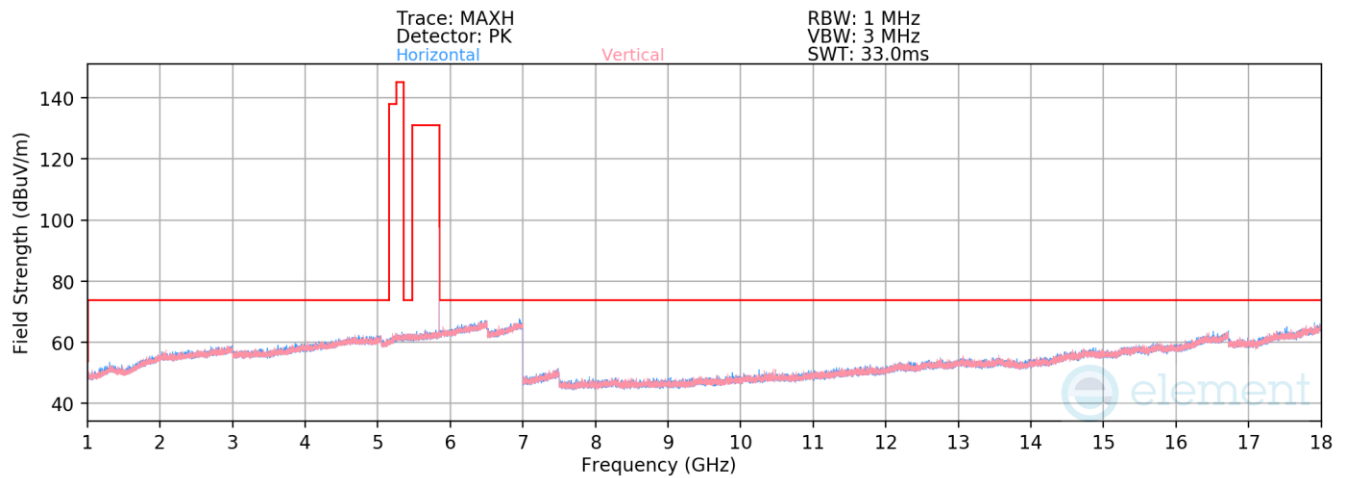
Operating Frequency: 5788MHz

	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	Avg	-	-	-	-81.82	15.28	40.46	53.98	-13.52
*	11576.00	Peak	-	-	-	-70.96	15.28	51.32	73.98	-22.66
	17364.00	Peak	V	272	246	-72.62	27.55	61.93	68.23	-6.30

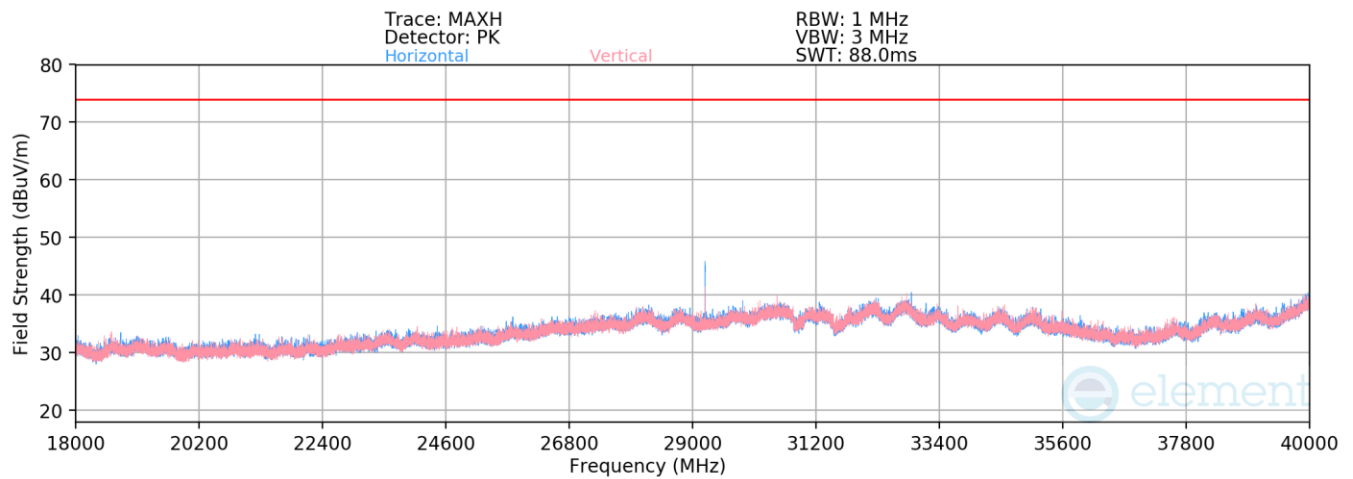
**Table 7-12. Radiated Spurious Emissions Measurements**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 75 of 130

V 10.6 10/27/2023



**Plot 7-91. Radiated Spurious Emissions 1-18GHz (BDR GFSK – 5844MHz)**



**Plot 7-92. Radiated Spurious Emissions Above 18GHz (BDR GFSK – 5844MHz)**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 76 of 130

V 10.6 10/27/2023

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

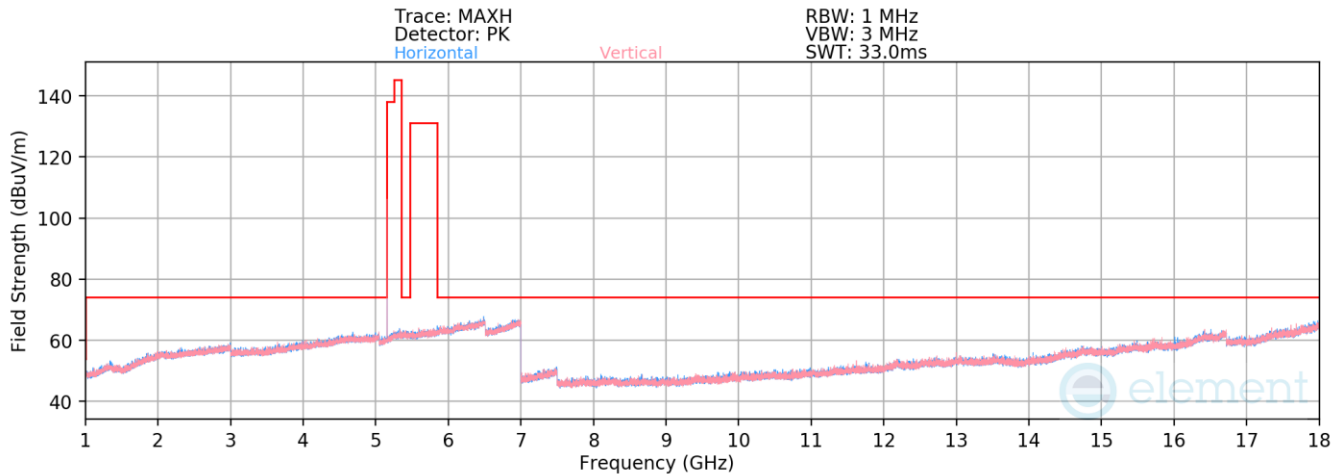
Mode: BDR  
 Data Rate: 1Mbps  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5844MHz

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
* 11688.00	Avg	-	-	-	-81.74	15.23	0.00	40.48	53.98	-13.50
* 11688.00	Peak	-	-	-	-70.50	15.23	0.00	51.72	73.98	-22.26
17532.00	Peak	H	304	10	-73.47	27.91	0.00	61.44	68.23	-6.79
23376.00	Peak	V	150	63	-48.43	-6.78	-9.54	42.25	68.23	-25.98
29220.00	Peak	V	150	211	-47.18	-4.20	-9.54	46.08	68.23	-22.15
35064.00	Peak	V	150	26	-47.72	-4.41	-9.54	45.33	68.23	-22.90

**Table 7-13. Radiated Spurious Emissions Measurements**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 77 of 130

V 10.6 10/27/2023



**Plot 7-93. Radiated Spurious Emissions 1-18GHz (NB UNII LE1M – 5157MHz)**

Mode: LE

Data Rate: 1Mbps

Distance of Measurements: 3 Meters

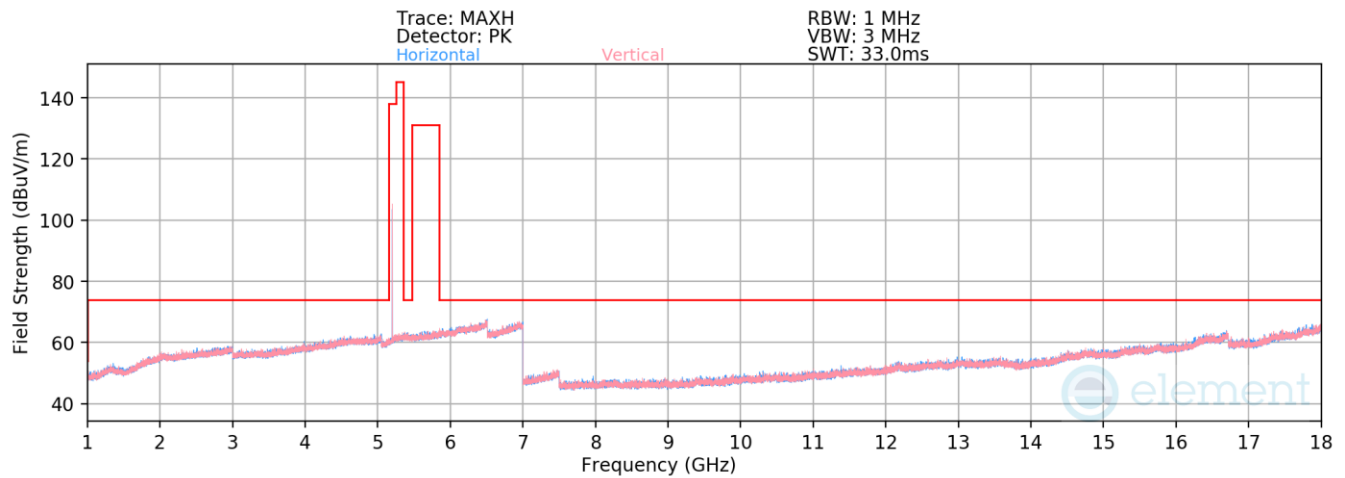
Operating Frequency: 5157MHz

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]
10314.00	Peak	V	108	318	-70.66	13.27	49.60	68.23	-18.63
* 15471.00	Avg	-	-	-	-82.04	21.48	46.44	53.98	-7.54
* 15471.00	Peak	-	-	-	-71.38	21.48	57.10	73.98	-16.88

**Table 7-14. Radiated Spurious Emissions Measurements**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 78 of 130

V 10.6 10/27/2023



**Plot 7-94. Radiated Spurious Emissions 1-18GHz (NB UNII LE1M – 5200MHz)**

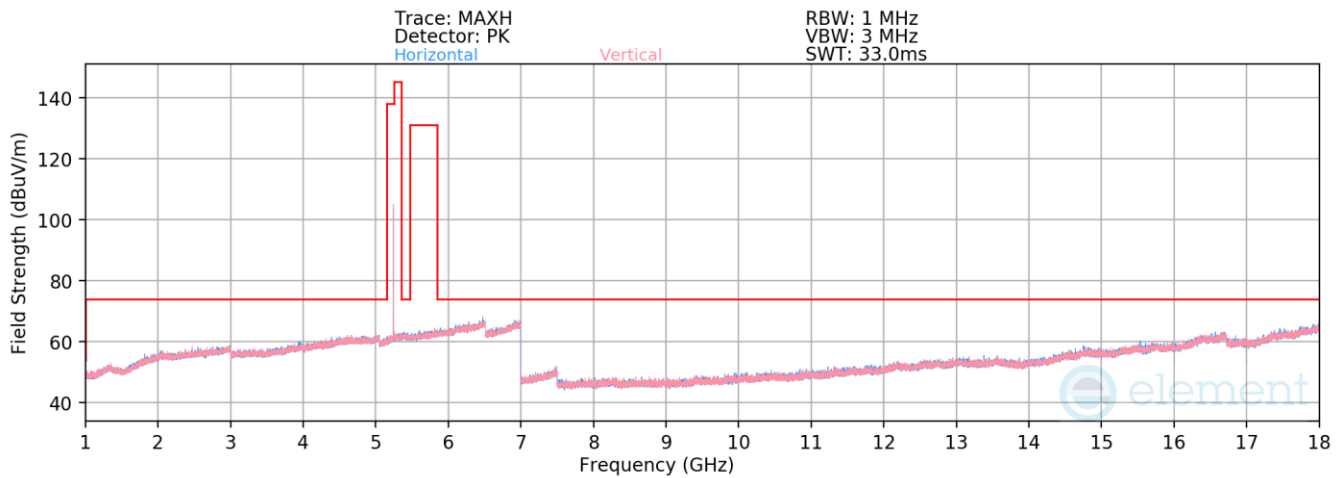
Mode: LE  
Data Rate: 1Mbps  
Distance of Measurements: 3 Meters  
Operating Frequency: 5200MHz

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]
10400.00	Peak	V	282	267	-70.33	13.69	50.37	68.23	-17.86
* 15600.00	Avg	-	-	-	-82.39	21.21	45.82	53.98	-8.16
* 15600.00	Peak	-	-	-	-71.23	21.21	56.98	73.98	-17.00

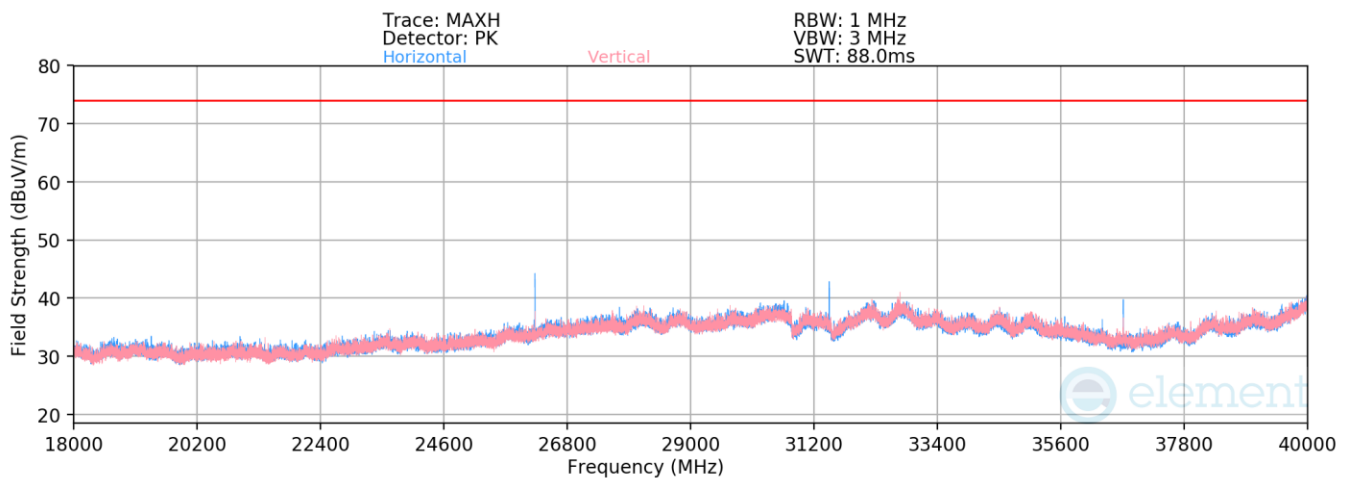
**Table 7-15. Radiated Spurious Emissions Measurements**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 79 of 130

V 10.6 10/27/2023



**Plot 7-95. Radiated Spurious Emissions 1-18GHz (NB UNII LE1M – 5245MHz)**



**Plot 7-96. Radiated Spurious Emissions 1-18GHz (NB UNII LE1M – 5245MHz)**


FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 80 of 130

V 10.6 10/27/2023

Mode: LE  
 Data Rate: 1Mbps  
 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]	Duty Cycle Correction [dB]	Distance Correction Factor [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
10490.00	Peak	V	274	246	-70.60	14.18	0.00	0.00	50.58	68.23	-17.65
* 15735.00	Avg	-	-	-	-82.07	22.37	0.00	0.00	47.30	53.98	-6.68
* 15735.00	Peak	-	-	-	-71.39	22.37	0.00	0.00	57.98	73.98	-16.00
* 20980.00	Avg	V	150	61	-56.67	-7.52	0.63	-9.54	33.90	53.98	-20.08
* 20980.00	Peak	V	150	61	-46.86	-7.52	0.00	-9.54	43.08	73.98	-30.90
26225.00	Peak	H	150	73	-40.50	-5.69	0.00	-9.54	51.27	68.23	-16.96
* 31470.00	Avg	H	150	198	-60.08	-3.56	0.63	-9.54	34.45	53.98	-19.53
* 31470.00	Peak	H	150	198	-50.07	-3.56	0.00	-9.54	43.83	73.98	-30.15
36715.00	Peak	V	150	51	-42.24	-6.52	0.00	-9.54	48.70	68.23	-19.53

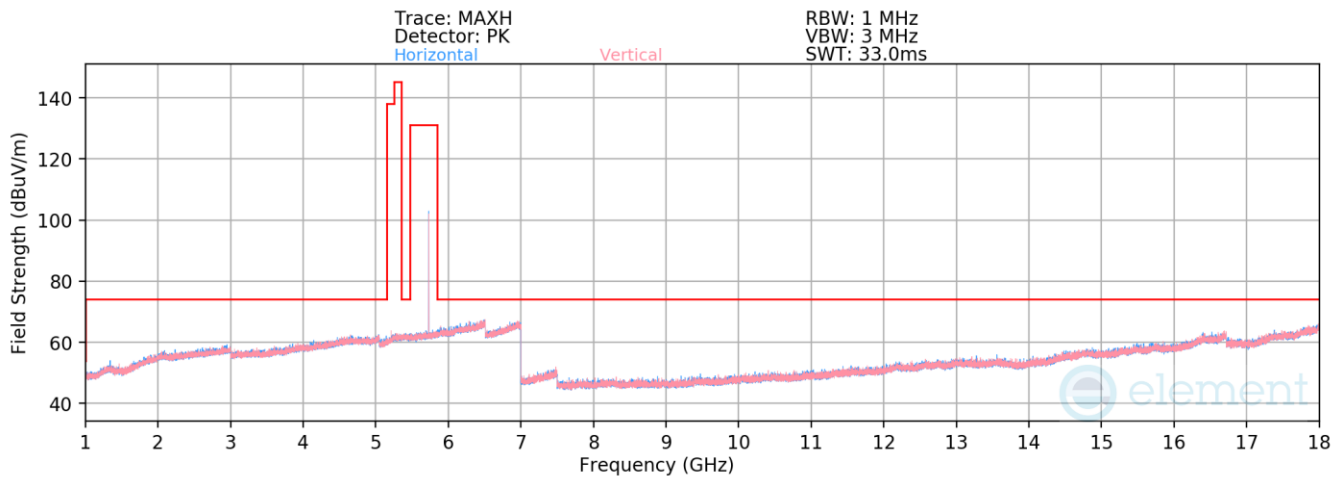
**Table 7-16. Radiated Spurious Emissions Measurements**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 81 of 130

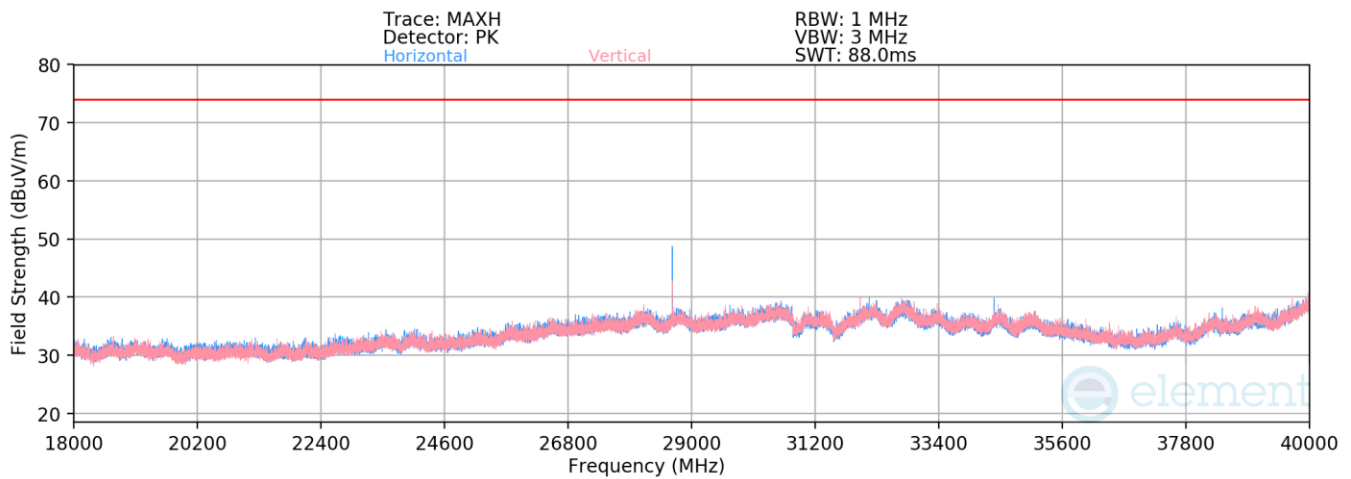
V 10.6 10/27/2023

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





**Plot 7-97. Radiated Spurious Emissions 1-18GHz (NB UNII LE1M – 5731MHz)**



**Plot 7-98. Radiated Spurious Emissions 1-18GHz (NB UNII LE1M – 5731MHz)**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 82 of 130


V 10.6 10/27/2023

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

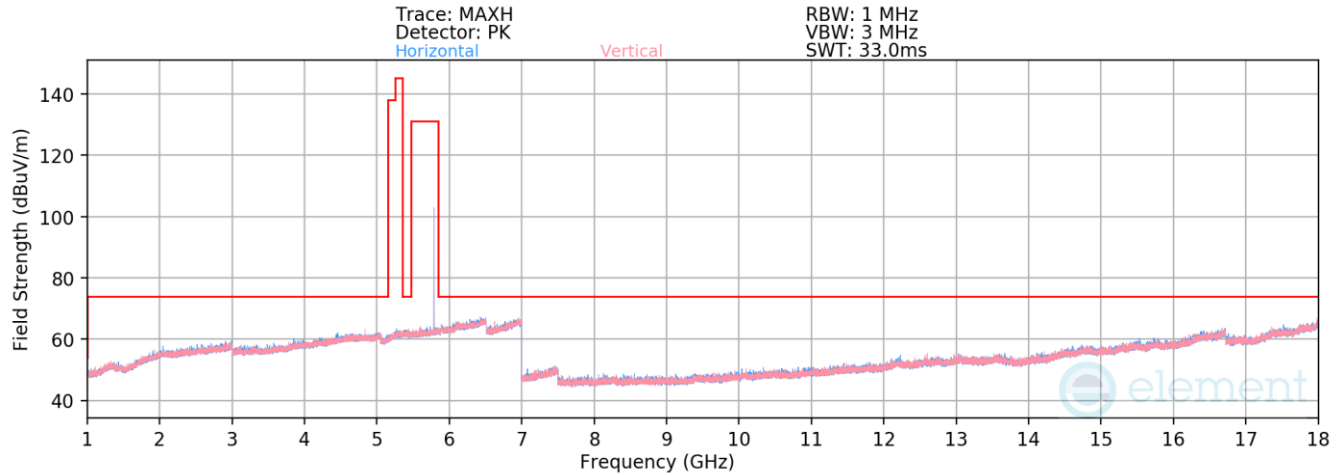
Mode: LE  
 Data Rate: 1Mbps  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5731MHz

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
* 11462.00	Avg	-	-	-	-81.53	14.71	0.00	40.18	53.98	-13.80
* 11462.00	Peak	-	-	-	-70.67	14.71	0.00	51.04	73.98	-22.94
17193.00	Peak	V	278	16	-70.91	25.92	0.00	62.01	68.23	-6.22
* 22924.00	Avg	-	-	-	-60.78	-7.25	-9.54	29.43	53.98	-24.55
* 22924.00	Peak	-	-	-	-49.49	-7.25	-9.54	40.72	73.98	-33.26
28655.00	Peak	V	150	202	-45.14	-3.97	-9.54	48.35	68.23	-19.88
34386.00	Peak	V	150	178	-49.44	-4.03	-9.54	43.99	68.23	-24.24

**Table 7-17. Radiated Spurious Emissions Measurements**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 83 of 130

V 10.6 10/27/2023



**Plot 7-99. Radiated Spurious Emissions 1-18GHz (NB UNII LE1M – 5788MHz)**

Mode: LE

Data Rate: 1Mbps

Distance of Measurements: 3 Meters

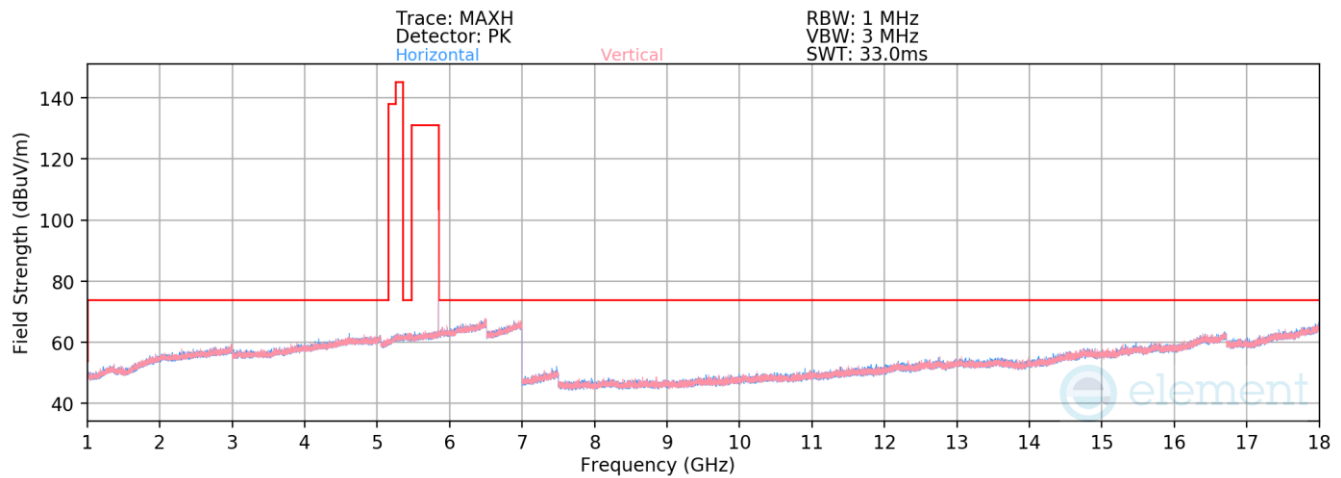
Operating Frequency: 5788MHz

	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	Avg	-	-	-	-81.59	15.28	40.70	53.98	-13.28
*	11576.00	Peak	-	-	-	-70.13	15.28	52.15	73.98	-21.83
	17364.00	Peak	V	227	233	-73.05	27.55	61.50	68.23	-6.73

**Table 7-18. Radiated Spurious Emissions Measurements**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 84 of 130

V 10.6 10/27/2023



**Plot 7-100. Radiated Spurious Emissions 1-18GHz (NB UNII LE1M – 5844MHz)**

Mode: LE


Data Rate: 1Mbps

Distance of Measurements: 3 Meters

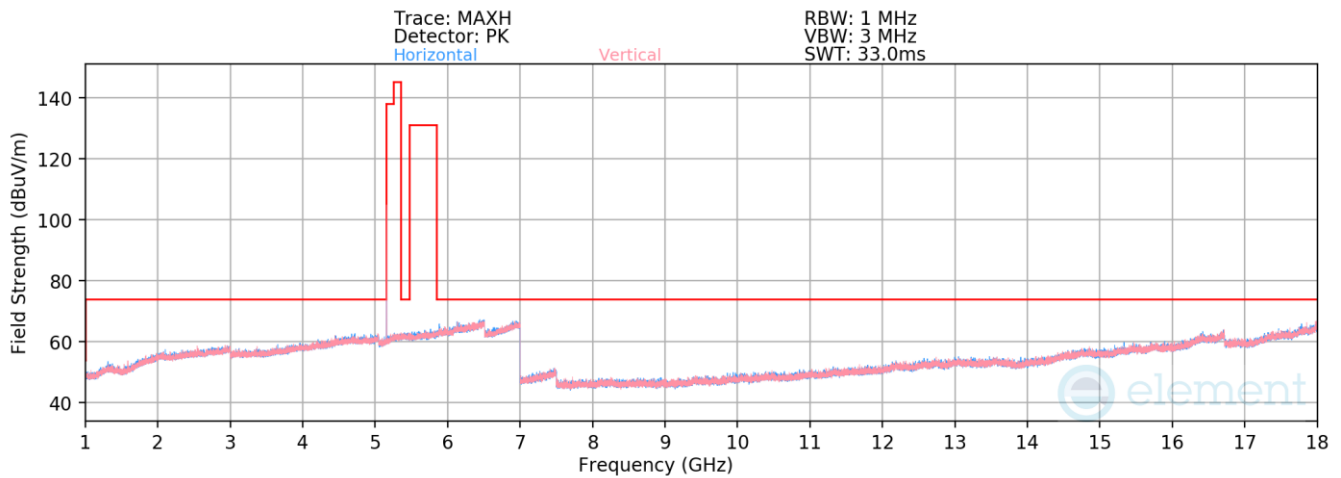
Operating Frequency: 5844MHz

	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	Avg	-	-	-	-81.95	15.23	40.27	53.98	-13.71
*	11688.00	Peak	-	-	-	-71.00	15.23	51.23	73.98	-22.75
	17532.00	Peak	H	319	161	-73.62	27.91	61.29	68.23	-6.94

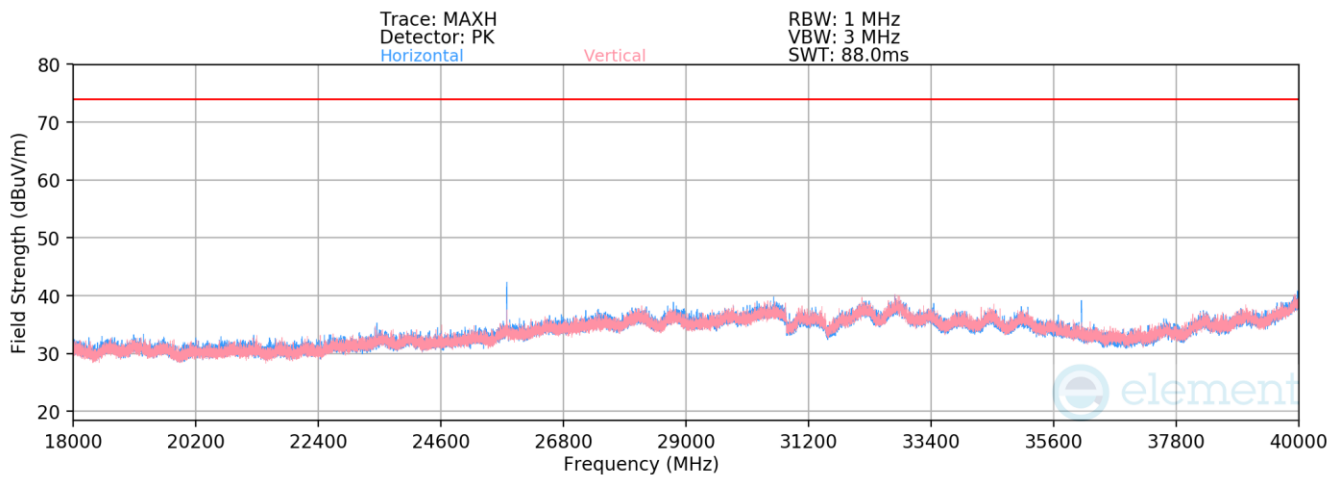
**Table 7-19. Radiated Spurious Emissions Measurements**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 85 of 130

V 10.6 10/27/2023



**Plot 7-101. Radiated Spurious Emissions 1-18GHz (NB UNII HDR4 – 5157MHz)**



**Plot 7-102. Radiated Spurious Emissions Above 18GHz (NB UNII HDR4 – 5157MHz)**


FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 86 of 130

V 10.6 10/27/2023

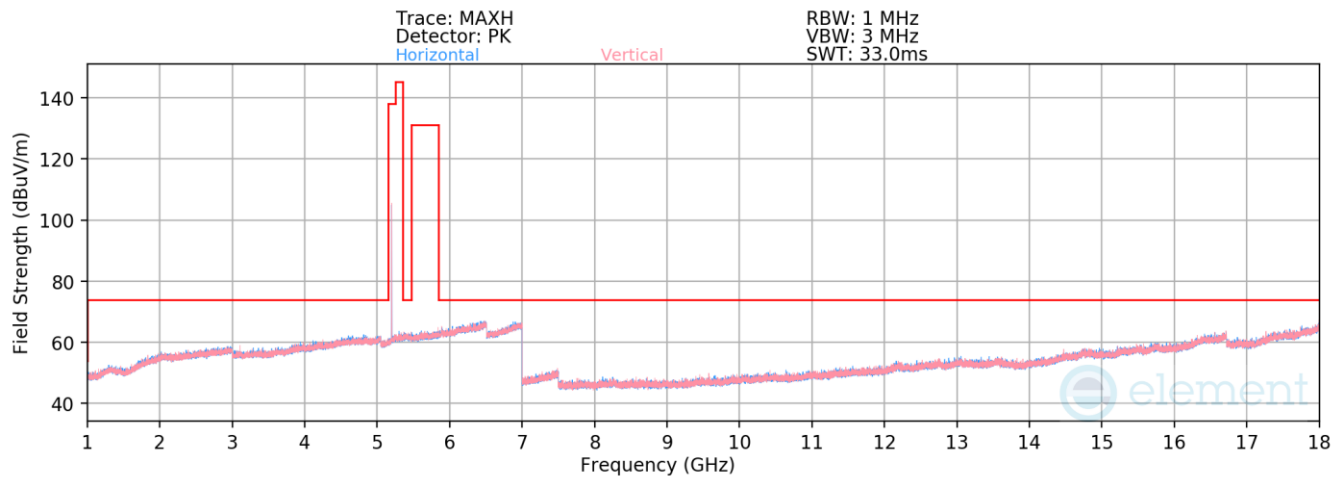
Mode: HDR4  
 Data Rate: 4Mbps  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5157MHz

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
10314.00	Peak	H	311	287	-70.54	13.27	0.00	49.73	68.23	-18.50
* 15471.00	Avg	-	-	-	-82.25	21.48	0.00	46.23	53.98	-7.75
* 15471.00	Peak	-	-	-	-71.47	21.48	0.00	57.01	73.98	-16.97
* 20628.00	Avg	-	-	-	-62.51	-5.73	-9.54	29.22	53.98	-24.76
* 20628.00	Peak	-	-	-	-50.80	-5.73	-9.54	40.93	73.98	-33.05
25785.00	Peak	V	150	207	-45.32	-5.73	-9.54	46.41	68.23	-21.82
30942.00	Peak	-	-	-	-48.40	-6.63	-9.54	42.43	68.23	-25.80
36099.00	Peak	V	150	30	-45.09	-6.63	-9.54	45.74	68.23	-22.49

**Table 7-20. Radiated Spurious Emissions Measurements**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 87 of 130

V 10.6 10/27/2023



**Plot 7-103. Radiated Spurious Emissions 1-18GHz (NB UNII HDR4 – 5200MHz)**

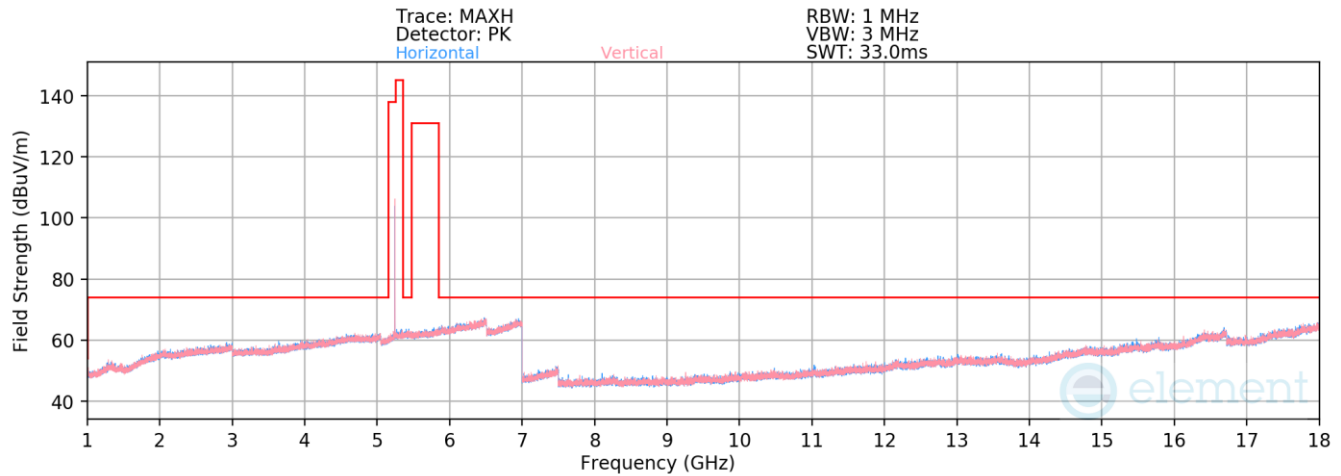
Mode: HDR4  
Data Rate: 4Mbps  
Distance of Measurements: 3 Meters  
Operating Frequency: 5200MHz

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]
10400.00	Peak	-	-	-	-70.41	13.69	50.28	68.23	-17.95
* 15600.00	Avg	-	-	`	-82.45	21.21	45.76	53.98	-8.22
* 15600.00	Peak	-	-	-	-71.82	21.21	56.39	73.98	-17.59

**Table 7-21. Radiated Spurious Emissions Measurements**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 88 of 130

V 10.6 10/27/2023



**Plot 7-104. Radiated Spurious Emissions 1-18GHz (NB UNII HDR4 – 5245MHz)**

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

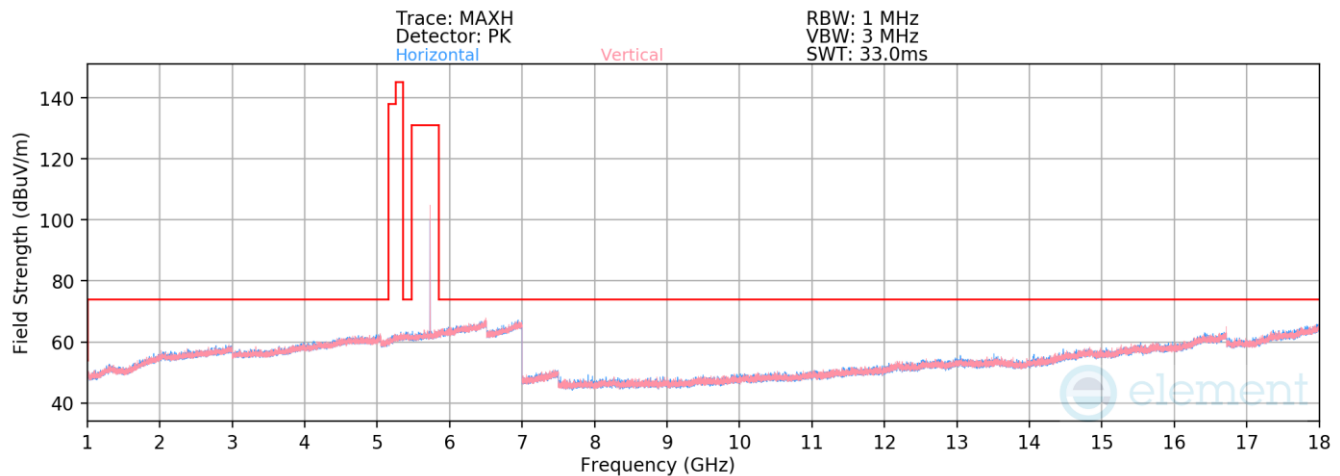
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
10490.00	Peak	-	-	-	-70.72	14.18	50.46	68.23	-17.77
* 15735.00	Avg	-	-	-	-82.56	22.37	46.81	53.98	-7.17
* 15735.00	Peak	-	-	-	-77.10	22.37	52.27	73.98	-21.71

**Table 7-22. Radiated Spurious Emissions Measurements**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 89 of 130

V 10.6 10/27/2023





**Plot 7-105. Radiated Spurious Emissions 1-18GHz (NB UNII HDR4 – 5731MHz)**

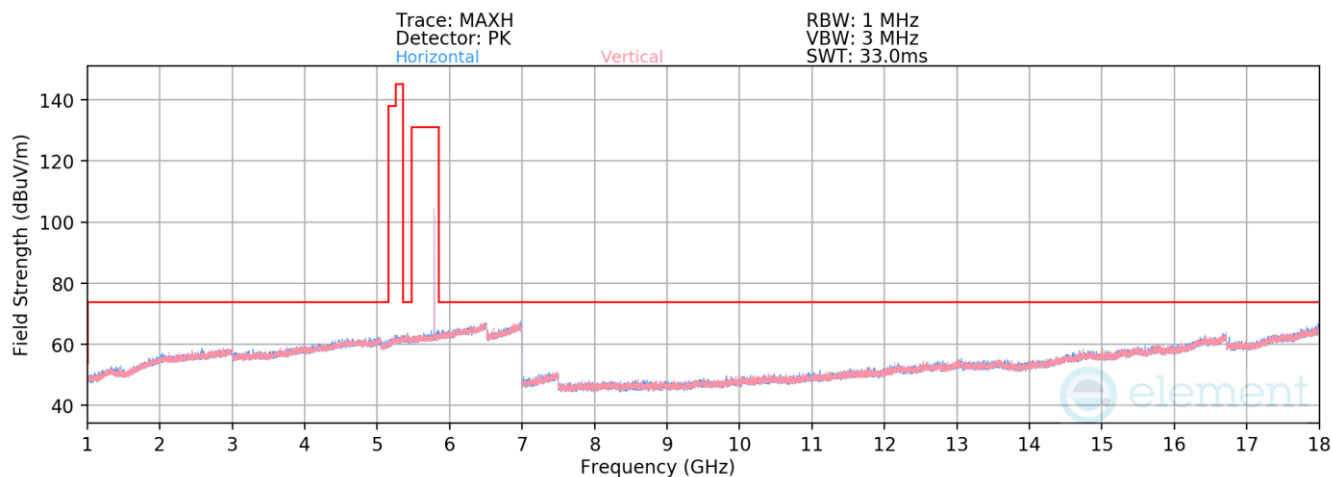
Mode: HDR4  
Data Rate: 4Mbps  
Distance of Measurements: 3 Meters  
Operating Frequency: 5731MHz

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]
* 11462.00	Avg	-	-	-	-81.52	14.71	40.19	53.98	-13.79
* 11462.00	Peak	-	-	-	-70.62	14.71	51.09	73.98	-22.89
17193.00	Peak	-	-	-	-71.36	25.92	61.56	68.23	-6.67

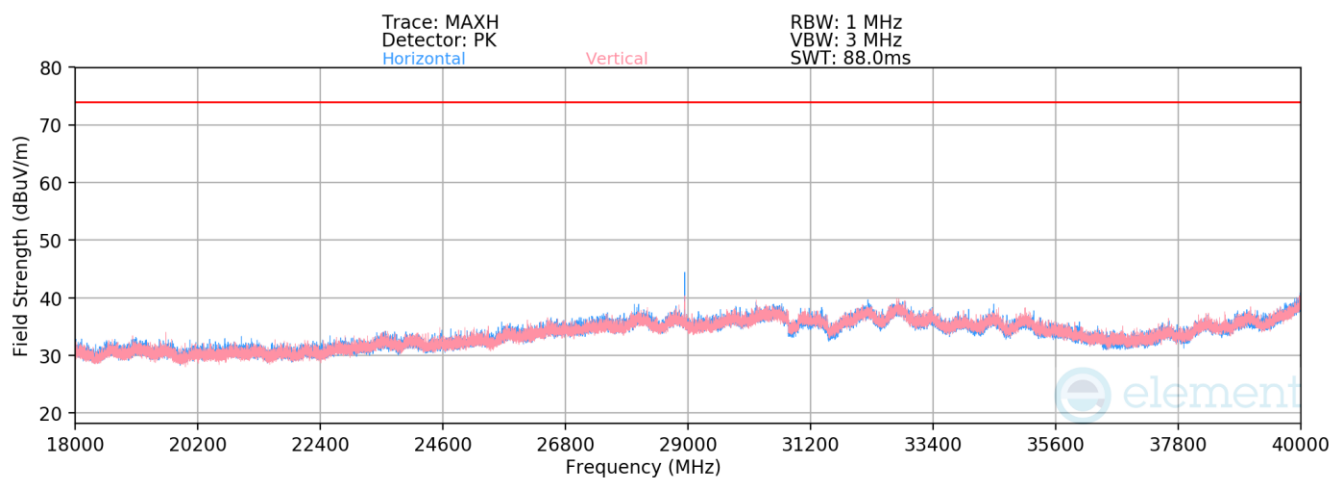
**Table 7-23. Radiated Spurious Emissions Measurements**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 90 of 130


V 10.6 10/27/2023



**Plot 7-106. Radiated Spurious Emissions 1-18GHz (NB UNII HDR4 – 5788MHz)**



**Plot 7-107. Radiated Spurious Emissions Above 18GHz (NB UNII HDR4 – 5788MHz)**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 91 of 130


V 10.6 10/27/2023

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

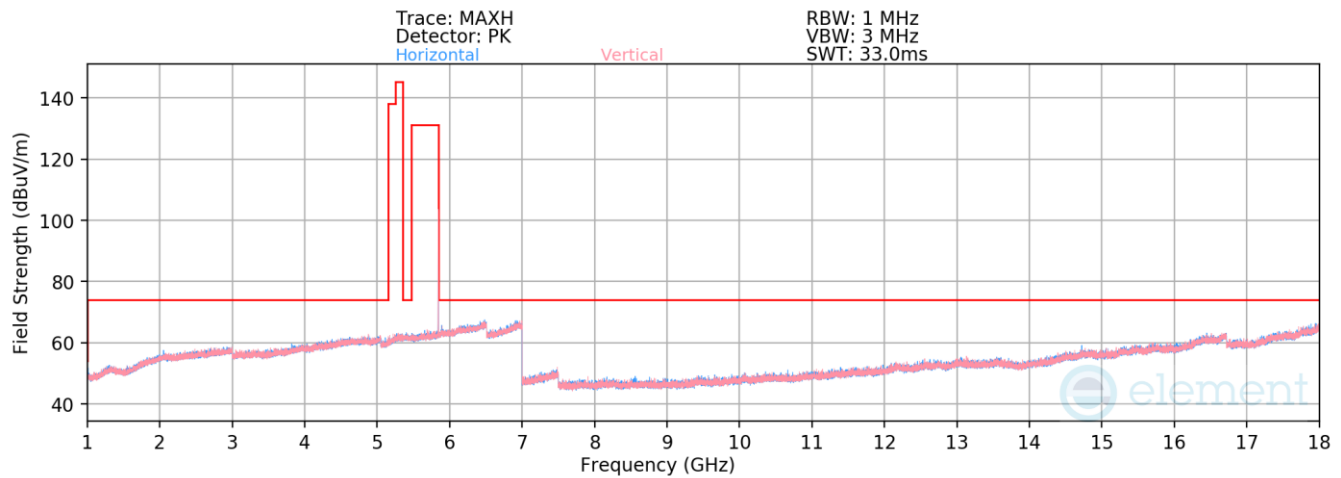
Mode: HDR4  
 Data Rate: 4Mbps  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5788MHz

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
* 11576.00	Avg	-	-	-	-81.78	15.28	0.00	40.50	53.98	-13.48
* 11576.00	Peak	-	-	-	-70.63	15.28	0.00	51.65	73.98	-22.33
17364.00	Peak	-	-	-	-71.67	26.82	0.00	62.15	68.23	-6.08
23152.00	Peak	V	150	65	-49.80	-7.10	-9.54	40.56	68.23	-27.67
28940.00	Peak	V	150	219	-46.85	-3.98	-9.54	46.63	68.23	-21.60
34728.00	Peak	V	150	186	-49.35	-4.80	-9.54	43.31	68.23	-24.92

**Table 7-24. Radiated Spurious Emissions Measurements**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 92 of 130

V 10.6 10/27/2023



**Plot 7-108. Radiated Spurious Emissions 1-18GHz (NB UNII HDR4 – 5844MHz)**

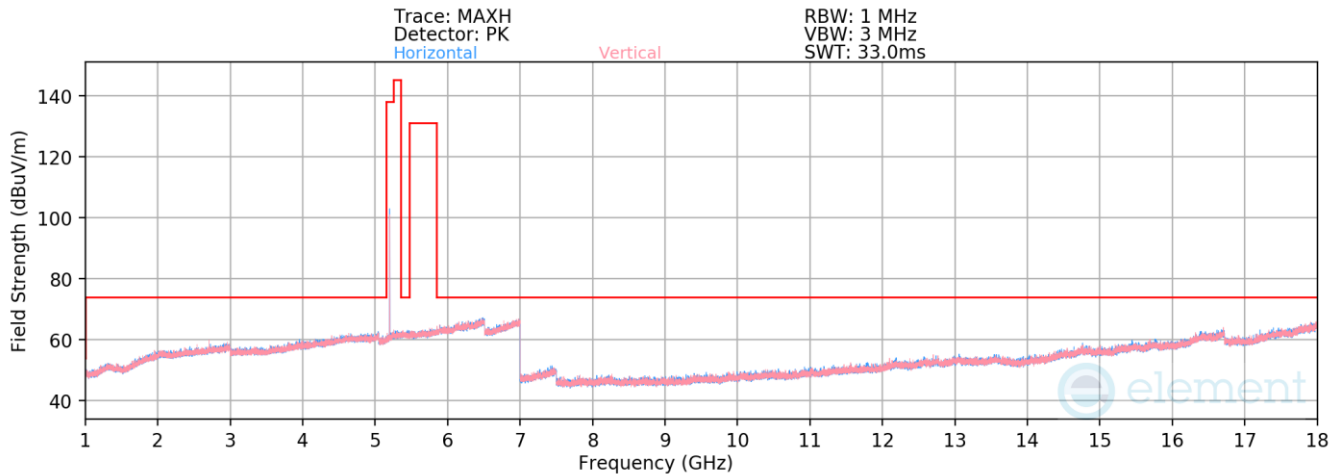
Mode: HDR4  
Data Rate: 4Mbps  
Distance of Measurements: 3 Meters  
Operating Frequency: 5844MHz

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
* 11688.00	Avg	-	-	-	-81.68	15.23	40.55	53.98	-13.43
* 11688.00	Peak	-	-	-	-71.30	15.23	50.93	73.98	-23.05
17532.00	Peak	V	338	30	-73.37	27.60	61.23	68.23	-7.00

**Table 7-25. Radiated Spurious Emissions Measurements**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 93 of 130

V 10.6 10/27/2023



**Plot 7-109. Radiated Spurious Emissions 1-18GHz (NB UNII HDRp4 – 5157MHz)**

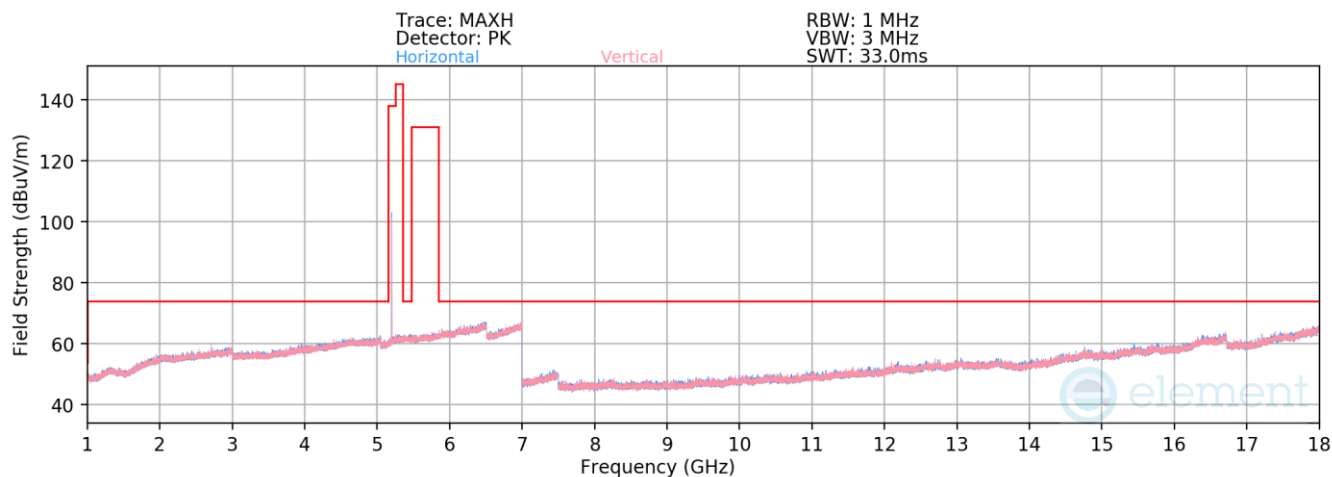
Mode: HDRp4  
Data Rate: 4Mbps  
Distance of Measurements: 3 Meters  
Operating Frequency: 5157MHz

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]
10314.00	Peak	-	-	-	-70.45	13.27	49.82	68.23	-18.41
* 15471.00	Avg	-	-	-	-82.33	21.48	46.15	53.98	-7.83
* 15471.00	Peak	-	-	-	-71.78	21.48	56.70	73.98	-17.28

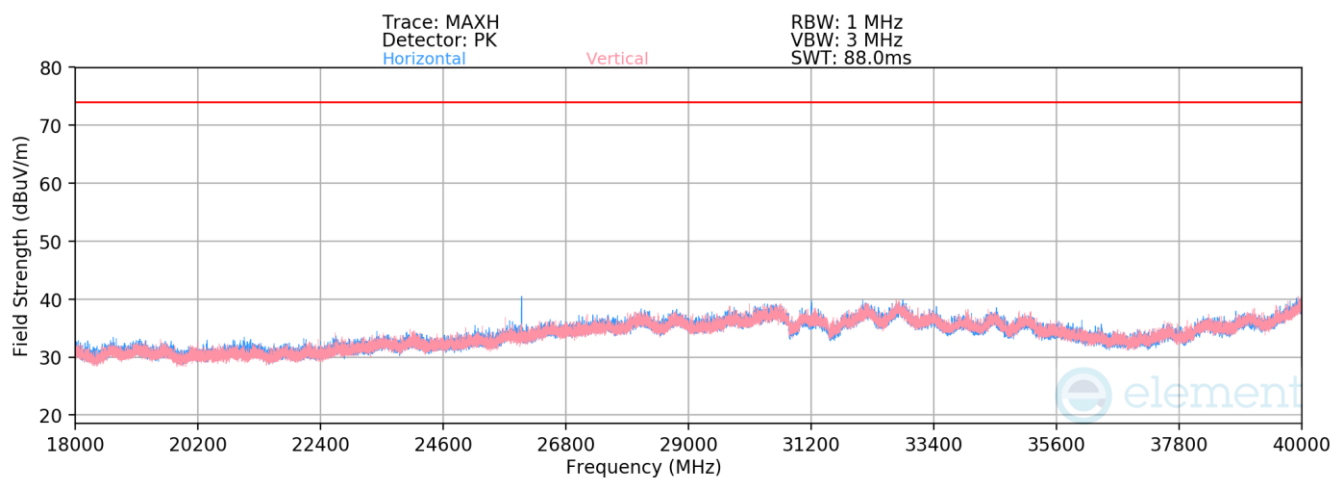
**Table 7-26. Radiated Spurious Emissions Measurements**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 94 of 130


V 10.6 10/27/2023



**Plot 7-110. Radiated Spurious Emissions 1-18GHz (NB UNII HDRp4 – 5200MHz)**



**Plot 7-111. Radiated Spurious Emissions Above 18GHz (NB UNII HDRp4 – 5200MHz)**


FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 95 of 130

V 10.6 10/27/2023

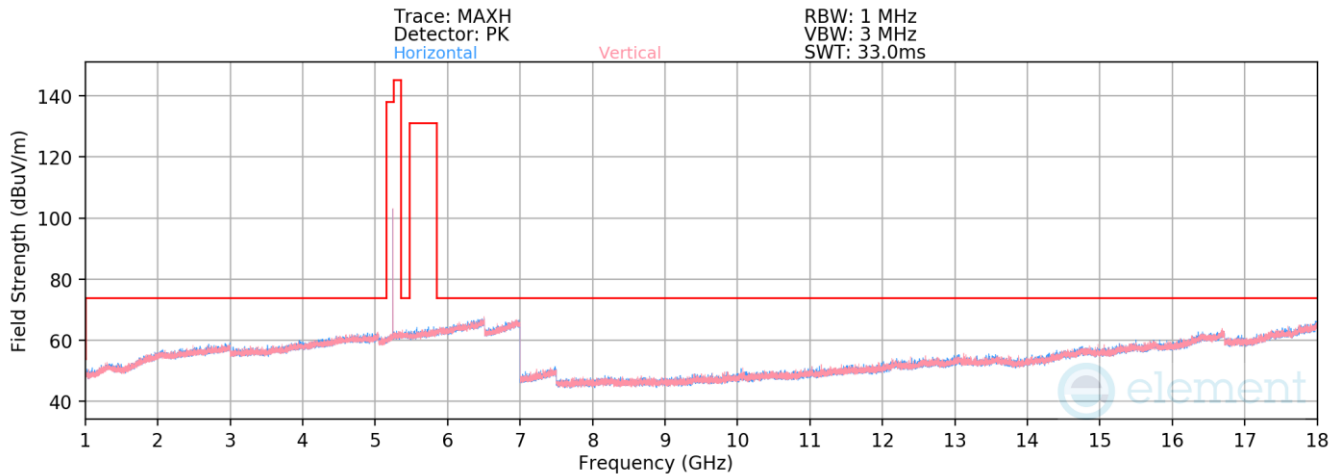
Mode: HDRp4  
 Data Rate: 4Mbps  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5200MHz

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Duty Cycle Correction [dB]	Distance Correction Factor [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
10400.00	Peak	-	-	-	-70.39	13.69	0.00	0.00	50.30	68.23	-17.93
* 15600.00	Avg	-	-	-	-82.42	21.21	0.00	0.00	45.79	53.98	-8.19
* 15600.00	Peak	-	-	-	-70.89	21.21	0.00	0.00	57.32	73.98	-16.66
* 20800.00	Avg	H	150	15	-57.99	-7.60	0.73	-9.54	32.60	53.98	-21.38
* 20800.00	Peak	H	150	15	-47.25	-7.60	0.00	-9.54	42.61	73.98	-31.37
26000.00	Peak	V	150	17	-43.73	-5.85	0.00	-9.54	47.88	68.23	-20.35
* 31200.00	Avg	H	150	320	-58.31	-3.76	0.73	-9.54	36.12	53.98	-17.86
* 31200.00	Peak	H	150	320	-46.97	-3.76	0.00	-9.54	46.73	73.98	-27.25
36400.00	Peak	H	150	91	-42.08	-7.22	0.00	-9.54	48.16	68.23	-20.07

**Table 7-27. Radiated Spurious Emissions Measurements**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 96 of 130

V 10.6 10/27/2023



**Plot 7-112. Radiated Spurious Emissions 1-18GHz (NB UNII HDRp4 – 5245MHz)**

Mode: HDRp4  
Data Rate: 4Mbps  
Distance of Measurements: 3 Meters  
Operating Frequency: 5245MHz

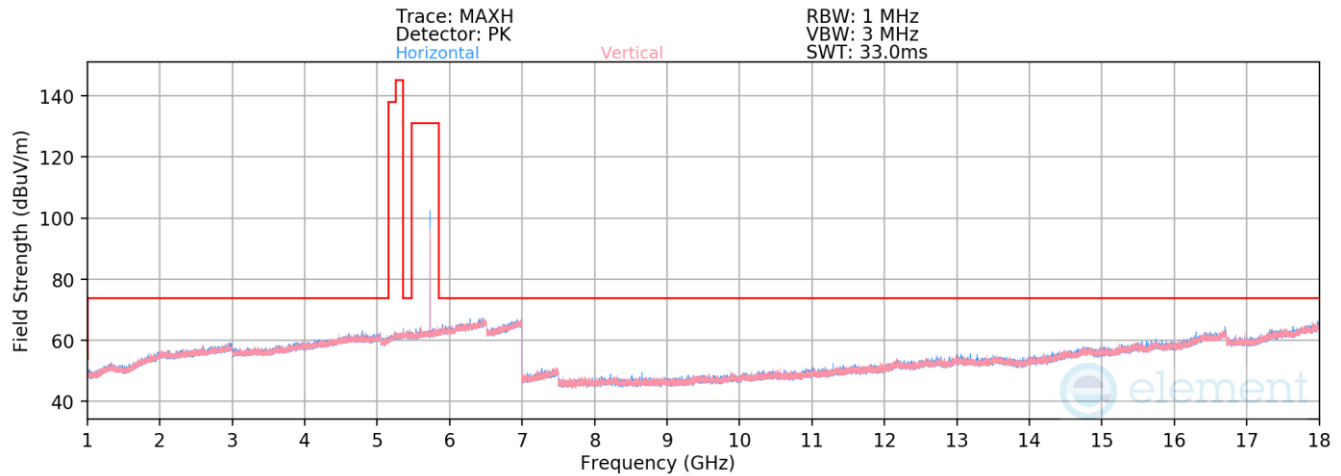
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
10490.00	Peak	-	-	-	-69.95	14.18	51.23	68.23	-17.00
* 15735.00	Avg	-	-	-	-82.32	22.37	47.05	53.98	-6.93
* 15735.00	Peak	-	-	-	-71.97	22.37	57.40	73.98	-16.58

**Table 7-28. Radiated Spurious Emissions Measurements**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 97 of 130

V 10.6 10/27/2023





**Plot 7-113. Radiated Spurious Emissions 1-18GHz (NB UNII HDRp4 – 5731MHz)**

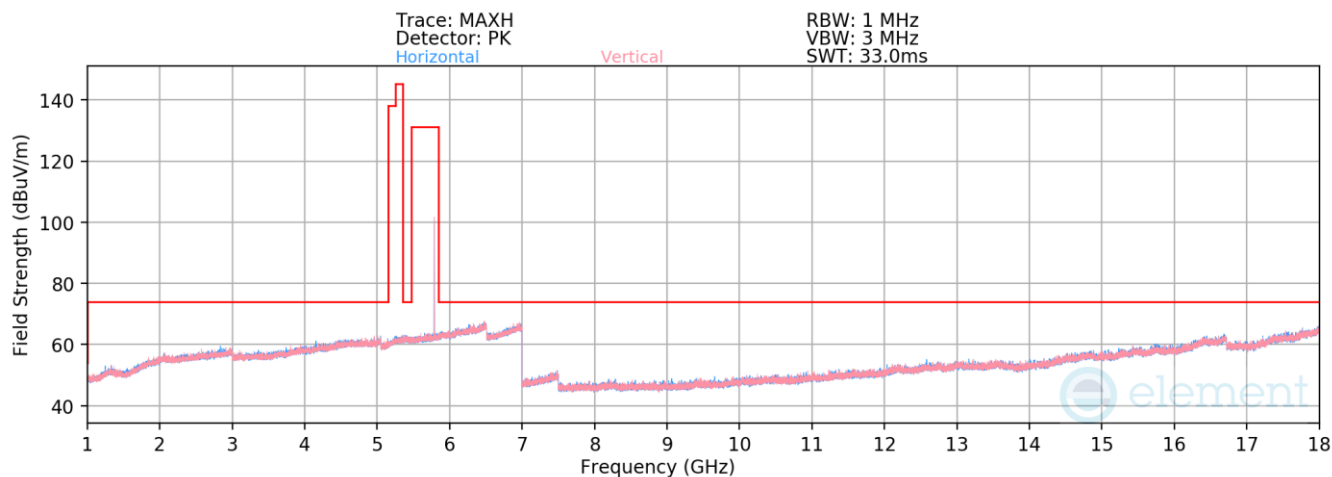
Mode: HDRp4  
Data Rate: 4Mbps  
Distance of Measurements: 3 Meters  
Operating Frequency: 5731MHz

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]
* 11462.00	Avg	-	-	-	-81.60	14.71	40.11	53.98	-13.87
* 11462.00	Peak	-	-	-	-70.60	14.71	51.11	73.98	-22.87
17193.00	Peak	-	-	-	-72.07	25.92	60.85	68.23	-7.38

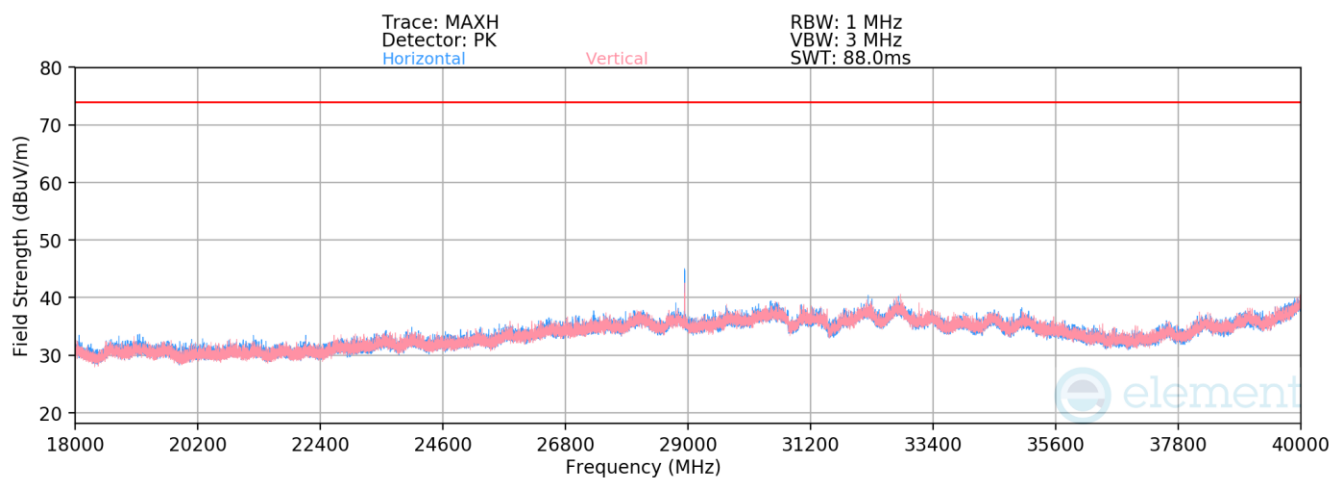
**Table 7-29. Radiated Spurious Emissions Measurements**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 98 of 130


V 10.6 10/27/2023



**Plot 7-114. Radiated Spurious Emissions 1-18GHz (NB UNII HDRp4 – 5788MHz)**



**Plot 7-115. Radiated Spurious Emissions Above 18GHz (NB UNII HDRp4 – 5788MHz)**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 99 of 130


V 10.6 10/27/2023

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

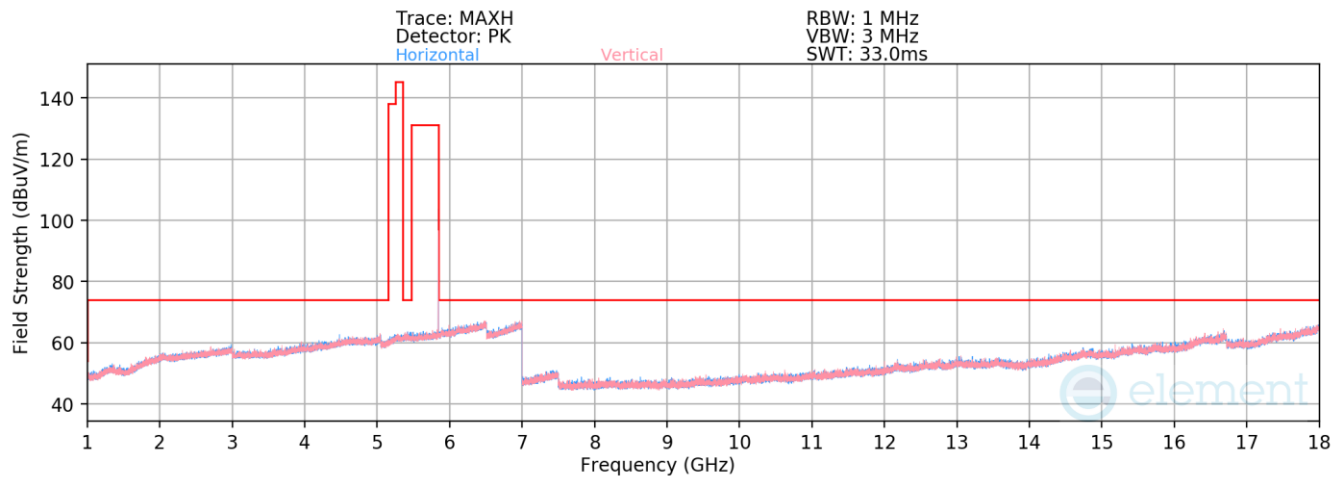
Mode: HDRp4  
 Data Rate: 4Mbps  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5788MHz

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Distance Correction Factor [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
* 11576.00	Avg	-	-	-	-82.40	15.28	0.00	39.88	53.98	-14.10
* 11576.00	Peak	-	-	-	-71.47	15.28	0.00	50.81	73.98	-23.17
17364.00	Peak	-	-	-	-73.09	26.82	0.00	60.73	68.23	-7.50
23152.00	Peak	-	-	-	-49.67	-7.12	-9.54	40.67	68.23	-27.56
28940.00	Peak	V	150	219	-47.03	-3.98	-9.54	46.45	68.23	-21.78
34728.00	Peak	V	150	186	-49.09	-4.80	-9.54	43.57	68.23	-24.66

**Table 7-30. Radiated Spurious Emissions Measurements**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 100 of 130

V 10.6 10/27/2023



**Plot 7-116. Radiated Spurious Emissions 1-18GHz (NB UNII HDRp4 – 5844MHz)**

Mode: HDRp4  
Data Rate: 4Mbps  
Distance of Measurements: 3 Meters  
Operating Frequency: 5844MHz

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
* 11688.00	Avg	-	-	-	-81.73	15.23	40.50	53.98	-13.48
* 11688.00	Peak	-	-	-	-71.29	15.23	50.94	73.98	-23.04
17532.00	Peak	-	-	-	-73.74	27.60	60.86	68.23	-7.37

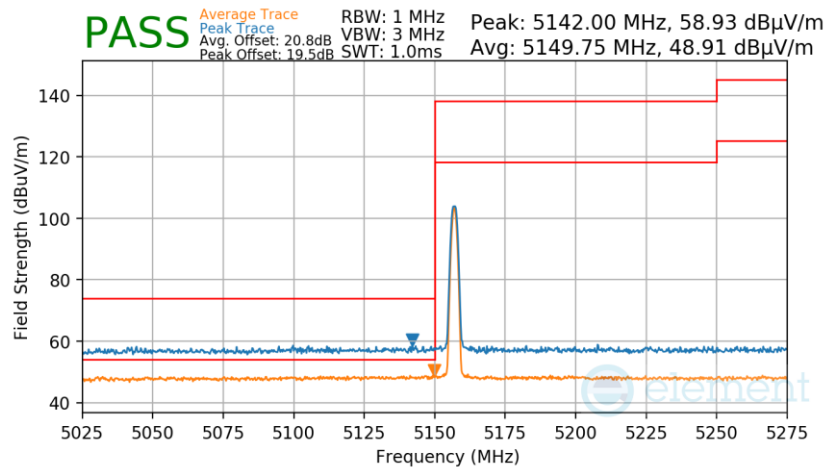
**Table 7-31. Radiated Spurious Emissions Measurements**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 101 of 130

V 10.6 10/27/2023

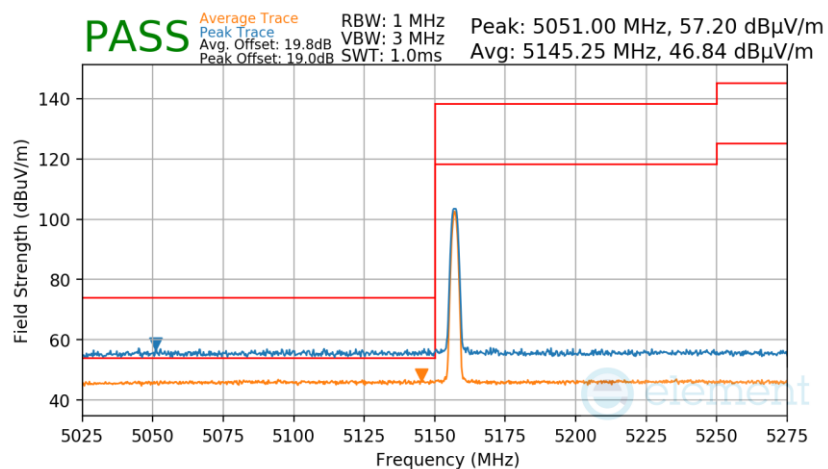
## 7.6.2 Radiated Band Edge Measurements

Mode: BDR  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5157MHz




**Plot 7-117. Radiated Lower Band Edge Measurement**

Mode: LE1M  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5157MHz

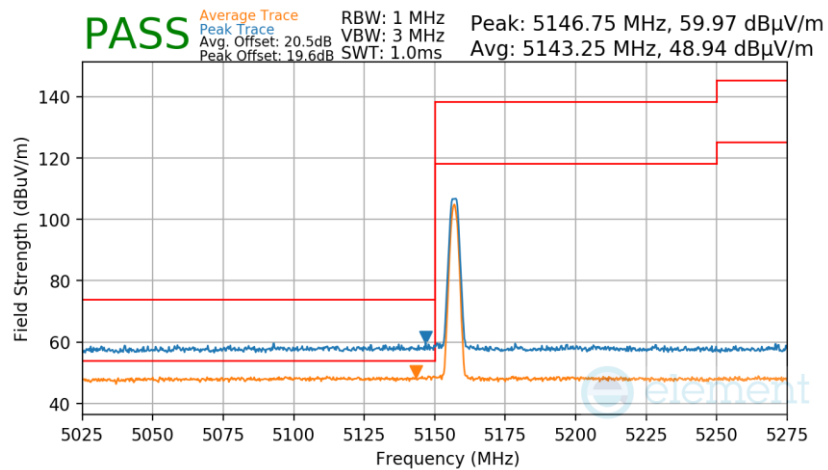


**Plot 7-118. Radiated Lower Band Edge Measurement**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 102 of 130

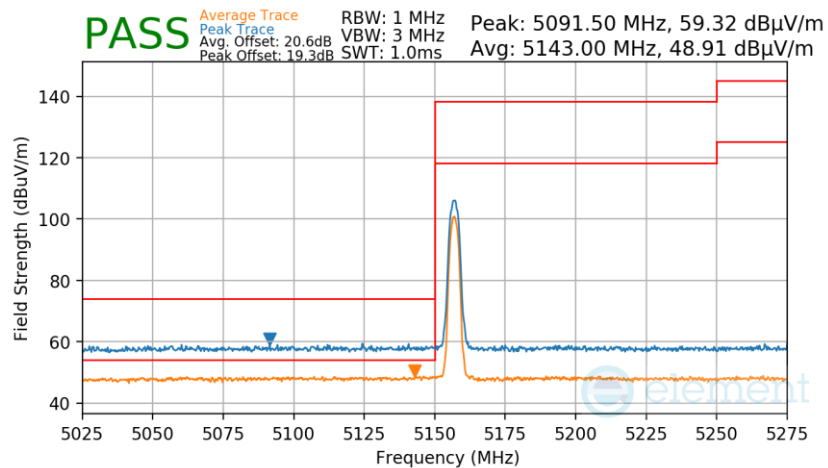
V 10.6 10/27/2023

Mode: LE2M  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5157MHz




**Plot 7-119. Radiated Lower Band Edge Measurement**

Mode: HDR4  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5157MHz

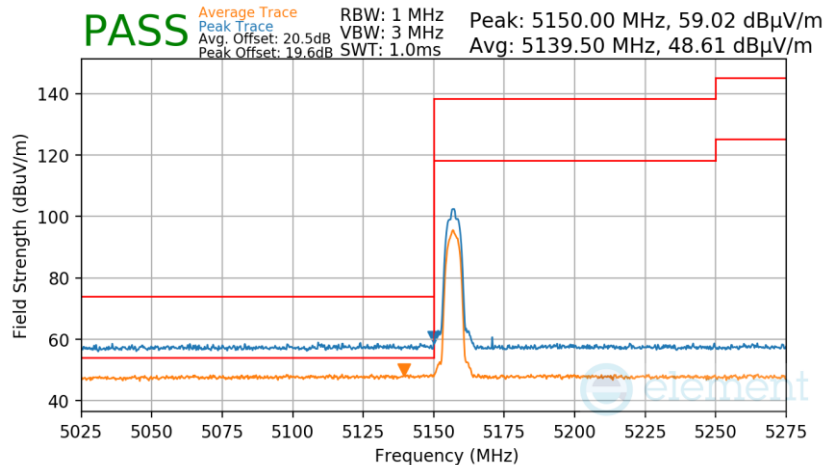


**Plot 7-120. Radiated Lower Band Edge Measurement**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 103 of 130

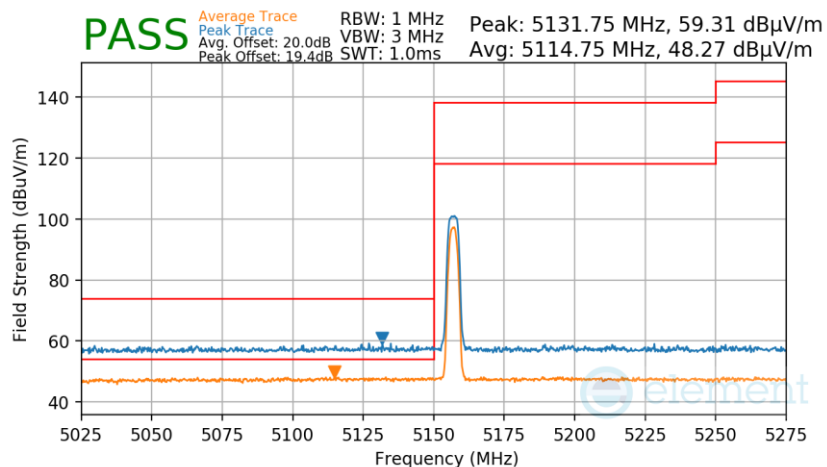
V 10.6 10/27/2023

Mode: HDR8  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5157MHz



**Plot 7-121. Radiated Lower Band Edge Measurement**

Mode: HDRp4  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5157MHz

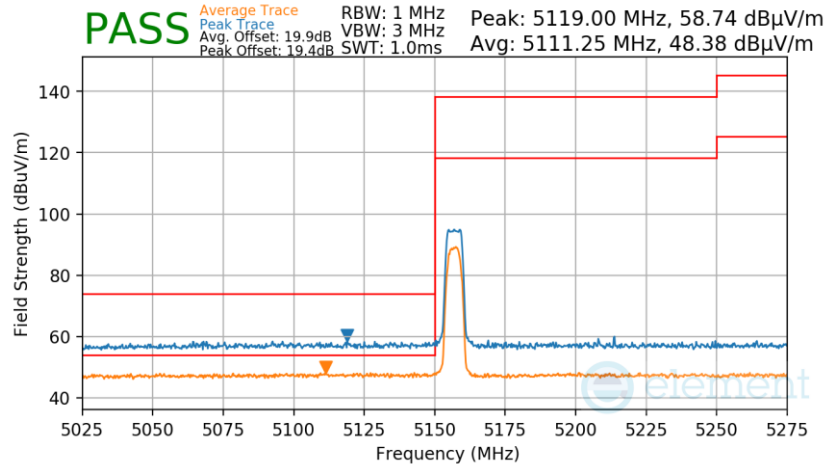


**Plot 7-122. Radiated Lower Band Edge Measurement**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 104 of 130

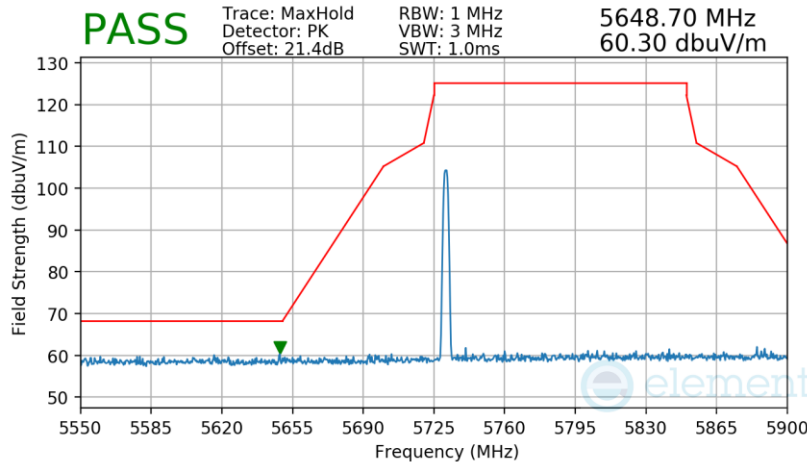
V 10.6 10/27/2023

Mode: HDRp8  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5157MHz



**Plot 7-123. Radiated Lower Band Edge Measurement**

Mode: BDR  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5731MHz



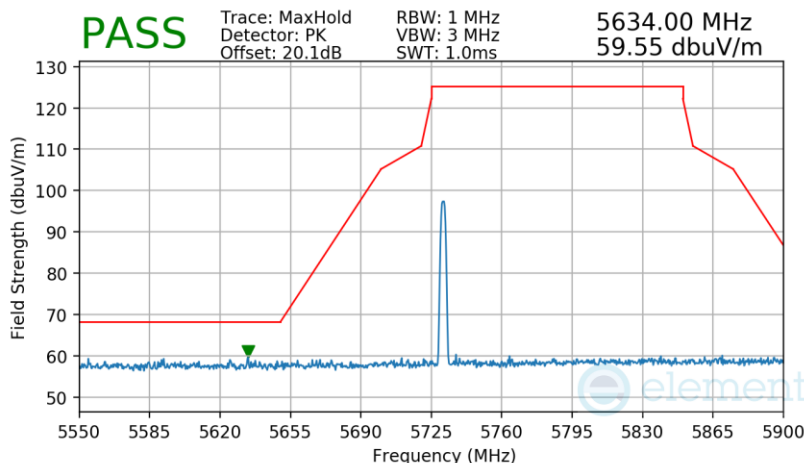
**Plot 7-124. Radiated Lower Band Edge Measurement**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 105 of 130

V 10.6 10/27/2023

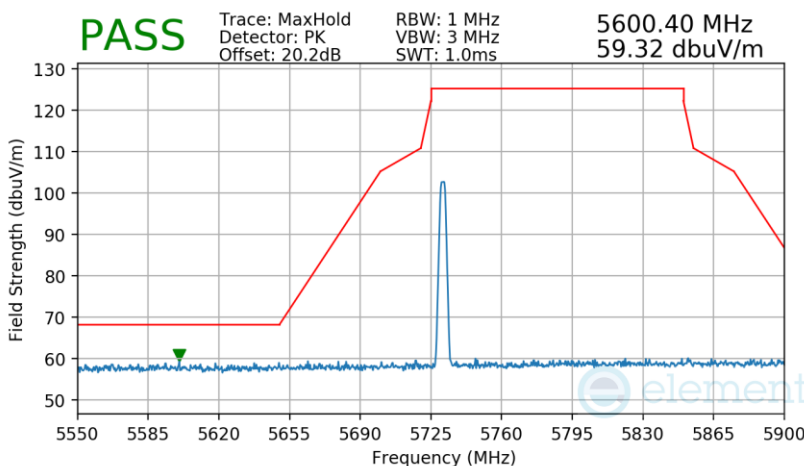


Mode: LE1M  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5731MHz




**Plot 7-125. Radiated Lower Band Edge Measurement**

Mode: LE2M  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5731MHz

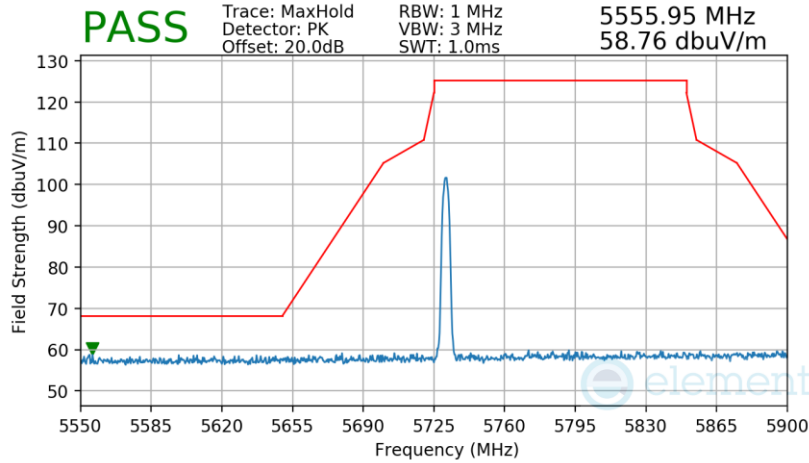


**Plot 7-126. Radiated Lower Band Edge Measurement**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 106 of 130

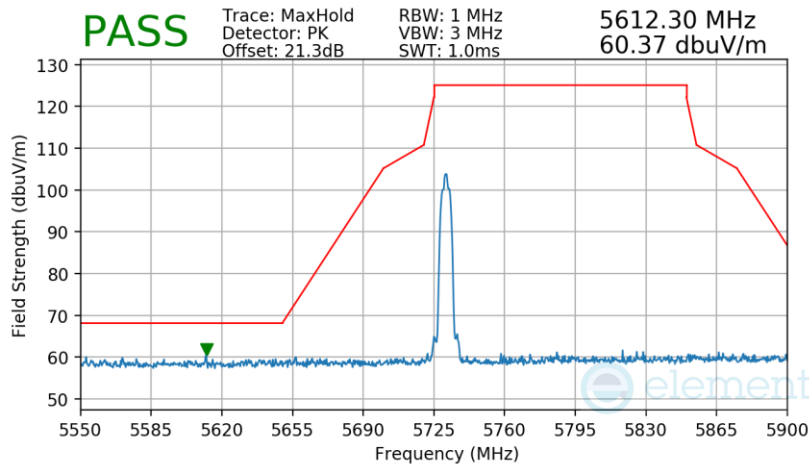
V 10.6 10/27/2023

Mode: HDR4  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5731MHz



**Plot 7-127. Radiated Lower Band Edge Measurement**

Mode: HDR8  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5731MHz

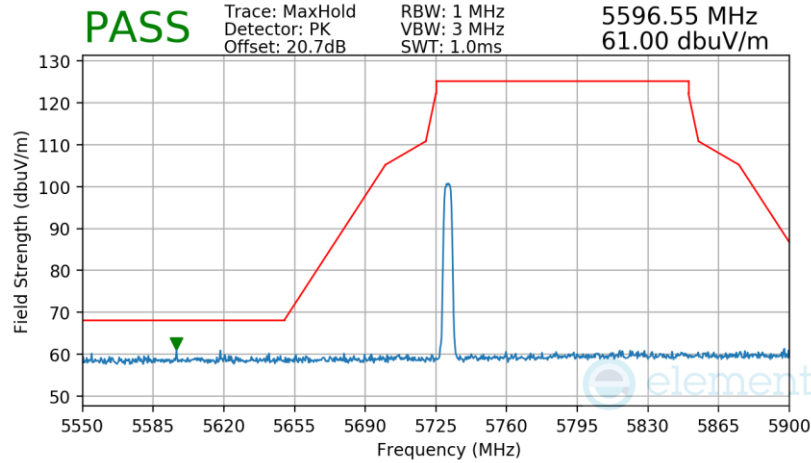


**Plot 7-128. Radiated Lower Band Edge Measurement**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 107 of 130

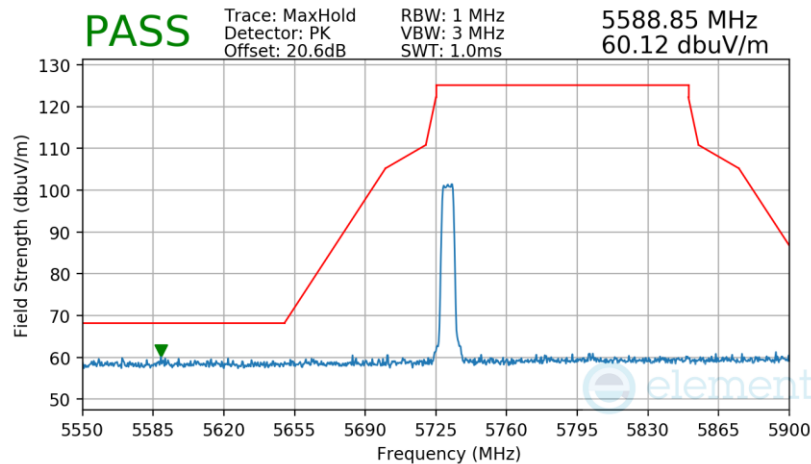
V 10.6 10/27/2023

Mode: HDRp4  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5731MHz



**Plot 7-129. Radiated Lower Band Edge Measurement**

Mode: HDRp8  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5731MHz

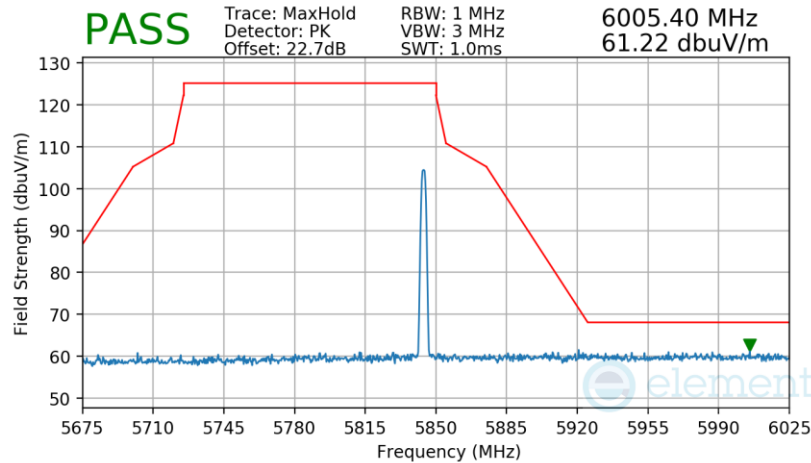


**Plot 7-130. Radiated Lower Band Edge Measurement**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 108 of 130

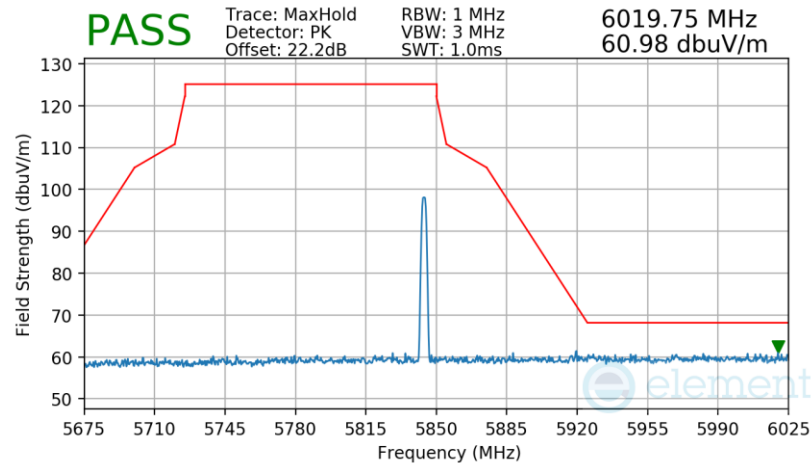
V 10.6 10/27/2023

Mode: BDR  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5844MHz



**Plot 7-131. Radiated Upper Band Edge Measurement**

Mode: LE1M  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5844MHz

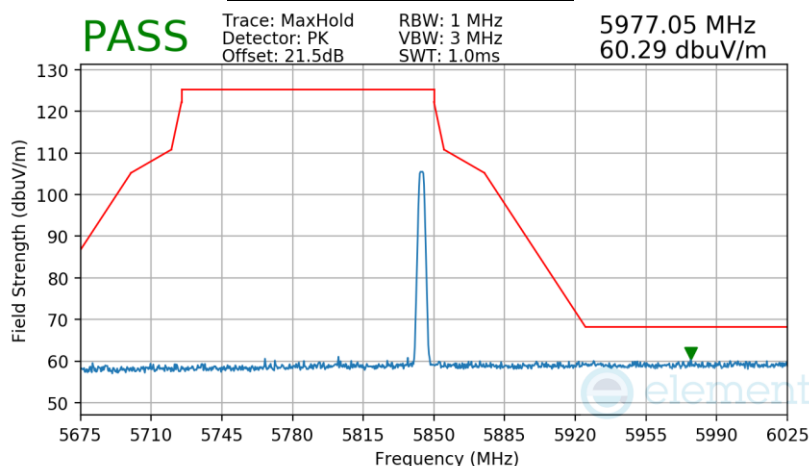


**Plot 7-132. Radiated Upper Band Edge Measurement**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 109 of 130

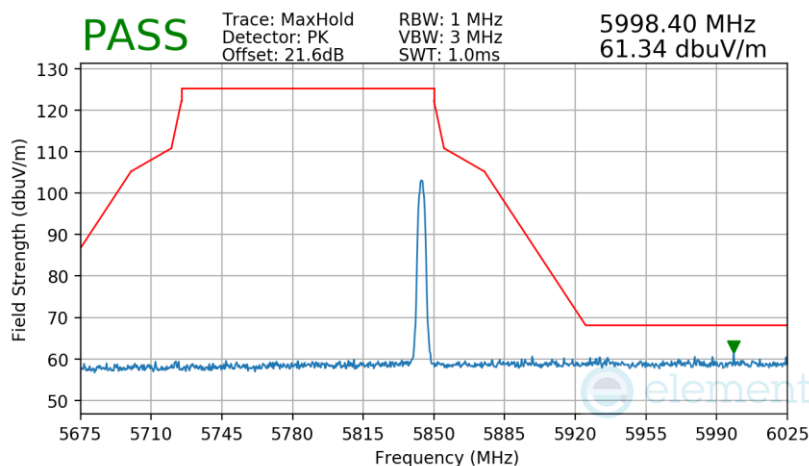
V 10.6 10/27/2023

Mode: LE2M  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5844MHz




**Plot 7-133. Radiated Upper Band Edge Measurement**

Mode: HDR4  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5844MHz

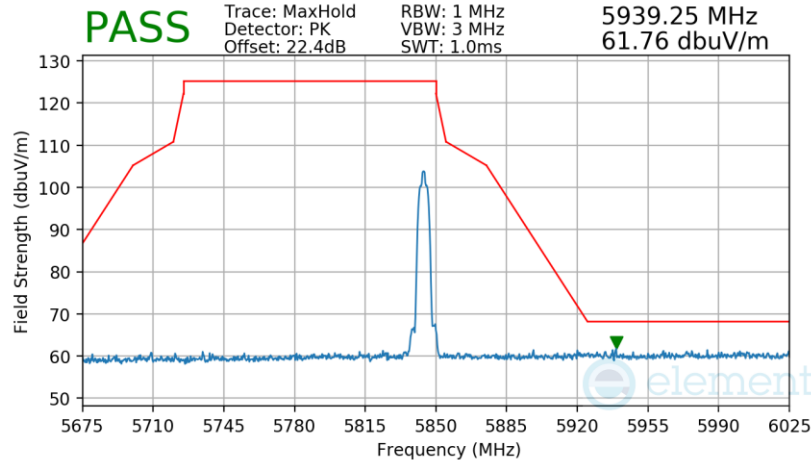


**Plot 7-134. Radiated Upper Band Edge Measurement**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 110 of 130

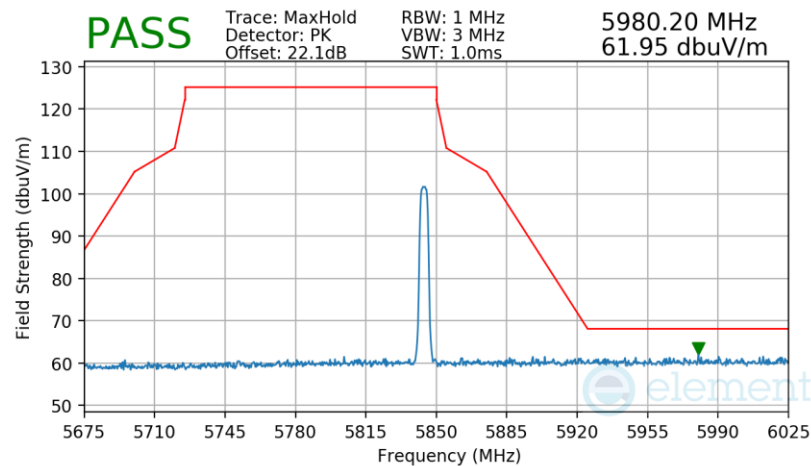
V 10.6 10/27/2023

Mode: HDR8  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5844MHz



**Plot 7-135. Radiated Upper Band Edge Measurement**

Mode: HDRp4  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5844MHz

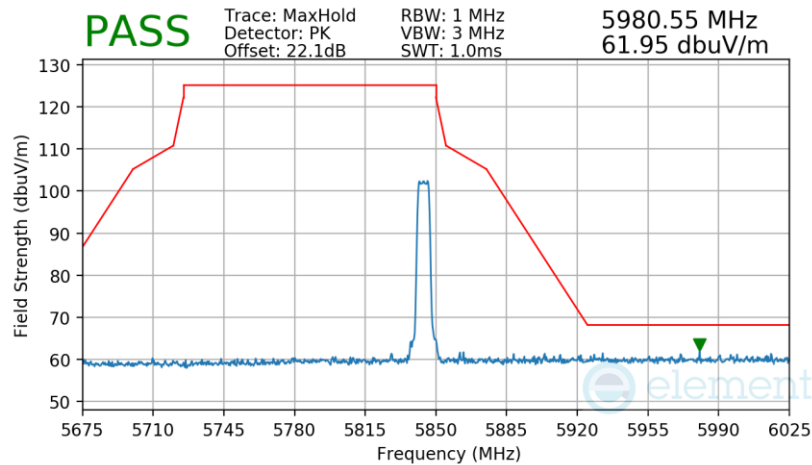


**Plot 7-136. Radiated Upper Band Edge Measurement**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 111 of 130

V 10.6 10/27/2023

Mode: HDRp8  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5844MHz



**Plot 7-137. Radiated Upper Band Edge Measurement**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 112 of 130

V 10.6 10/27/2023

## 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 7-32 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 7-32. 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

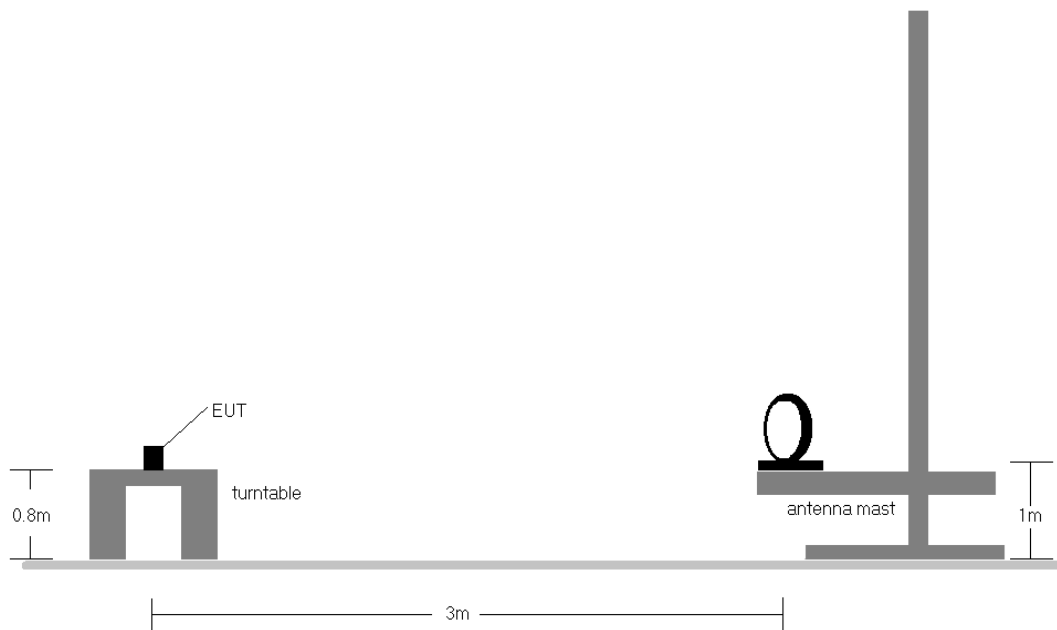
FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 113 of 130

V 10.6 10/27/2023

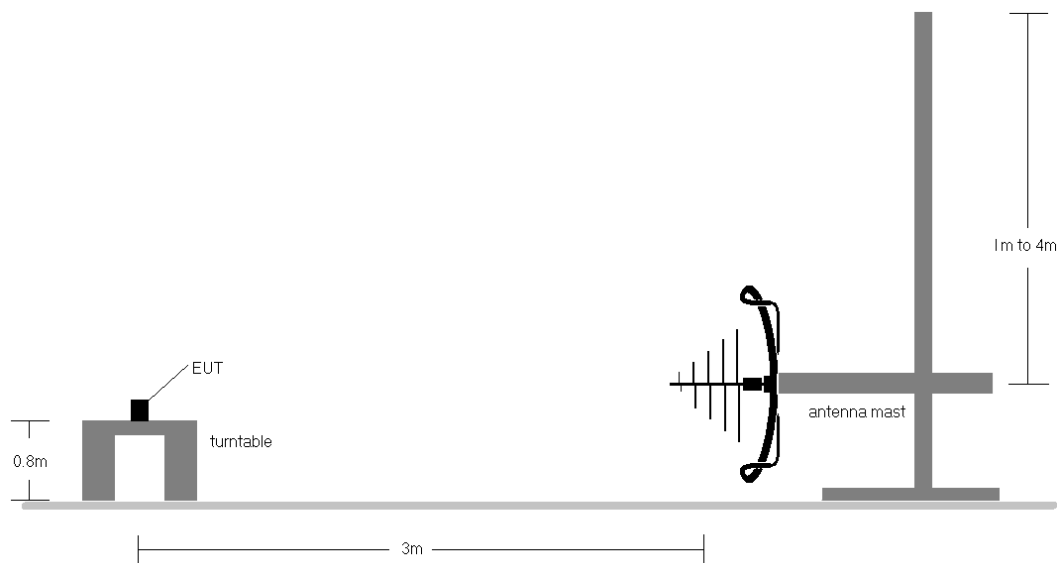


## Test Setup


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: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 114 of 130

V 10.6 10/27/2023

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


## Test Notes

1. All emissions lying in restricted bands specified in §15.205 are below the limit shown in Table 7-32.
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 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 charged by charging case and powered by AC/DC adaptor with USB-C cable
  - b. EUT charged by charging case and powered by host PC with USB-C cable

## Sample Calculations

### Determining Spurious Emissions Levels

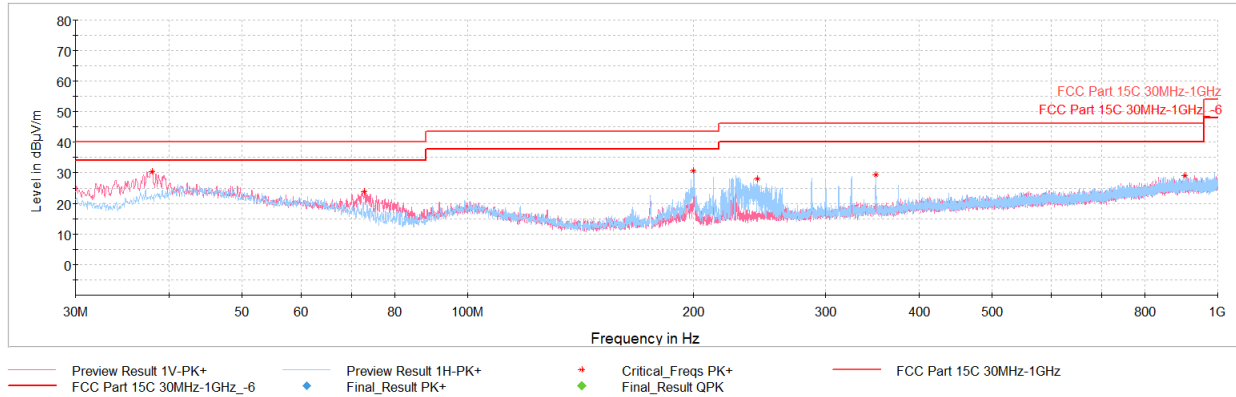
- Field Strength Level  $_{[dB_{\mu V/m}]}$  = Analyzer Level  $_{[dBm]} + 107 + AFCL_{[dB/m]}$
- $AFCL_{[dB/m]} = Antenna\ Factor_{[dB/m]} + Cable\ Loss_{[dB]} - Preamplifier\ Gain_{[dB]}$
- Margin  $_{[dB]} = Field\ Strength\ Level_{[dB_{\mu V/m}]} - Limit_{[dB_{\mu V/m}]}$

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 115 of 130

V 10.6 10/27/2023

## Radiated Spurious Emissions (Below 1GHz)

§15.209



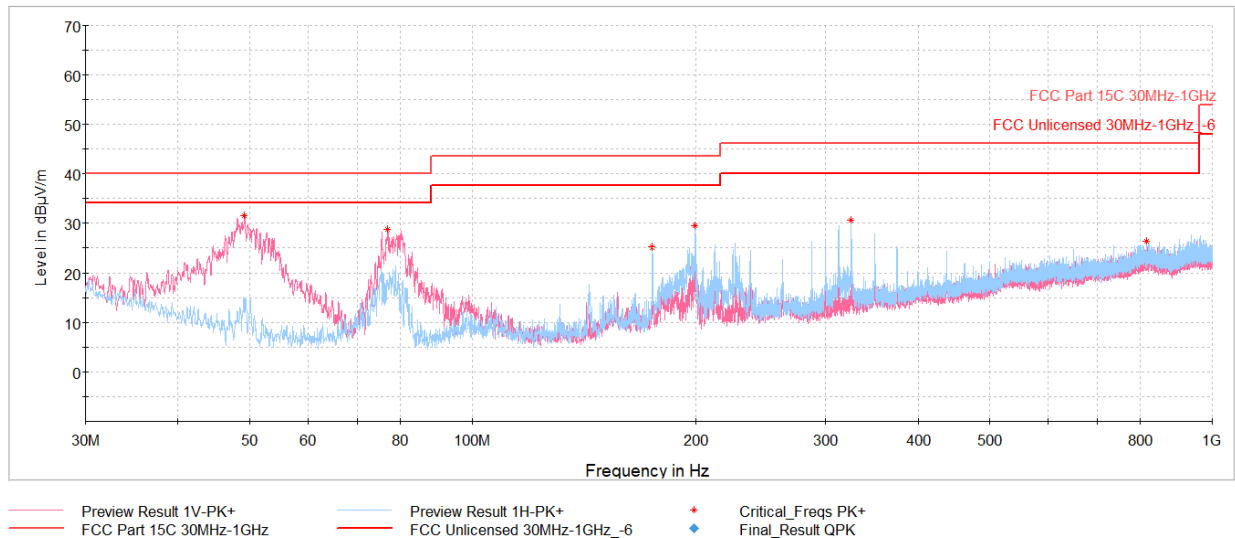
**Plot 7-138. Radiated Spurious Emissions Below 1GHz (NB UNII BDR – 5200MHz), with AC/DC adaptor to USB-C cable with wire charger**

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]
38.00	Max Peak	V	100	21	-60.30	-16.45	30.25	40.00	-9.75
72.92	Max Peak	V	100	177	-62.84	-20.16	24.00	40.00	-16.00
199.85	Max Peak	H	200	170	-60.35	-16.07	30.58	43.52	-12.94
243.25	Max Peak	H	100	158	-64.41	-14.62	27.97	46.02	-18.05
350.00	Max Peak	H	100	136	-66.13	-11.55	29.32	46.02	-16.70
903.29	Max Peak	H	100	282	-76.52	-1.47	29.01	46.02	-17.01

**Table 7-33. Radiated Spurious Emissions Below 1GHz (NB UNII BDR – 5200MHz), with AC/DC adaptor to USB-C cable with wire charger**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 116 of 130

V 10.6 10/27/2023



**Plot 7-139. Radiated Spurious Emissions Below 1GHz (NB UNII LE – 5731MHz), with AC/DC adaptor to USB-C cable with wire charger**

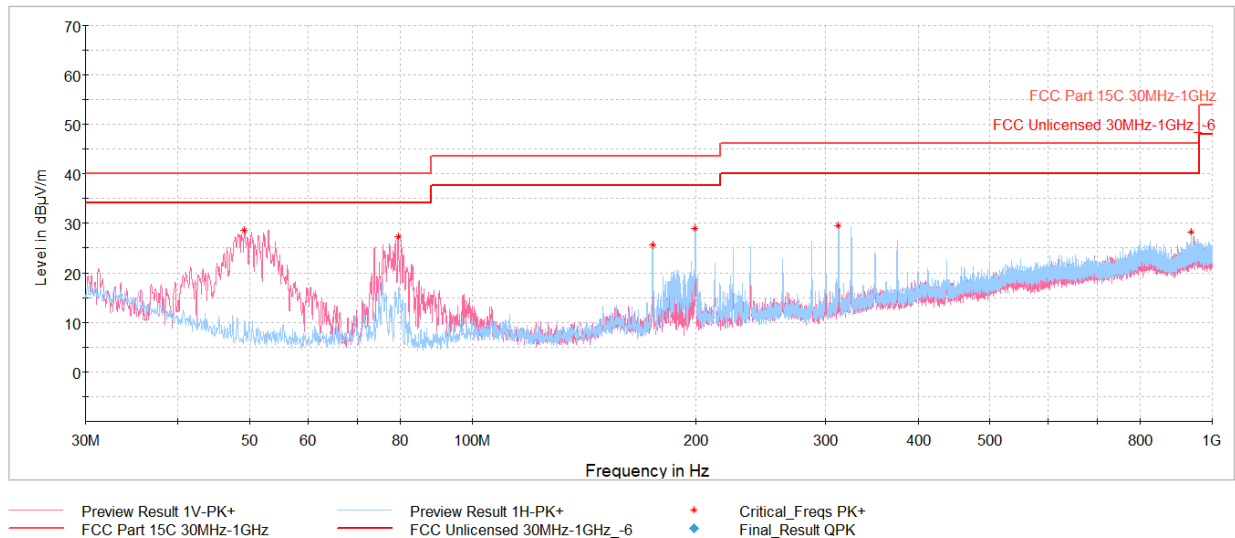
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
49.26	Max Peak	V	100	355	-52.22	-23.33	31.45	40.00	-8.55
76.85	Max Peak	V	200	156	-55.38	-22.98	28.64	40.00	-11.36
174.82	Max Peak	H	200	216	-62.66	-19.15	25.19	43.52	-18.33
199.75	Max Peak	H	200	25	-59.64	-17.90	29.46	43.52	-14.06
324.74	Max Peak	H	100	252	-62.04	-14.41	30.55	46.02	-15.47
815.60	Max Peak	H	300	359	-77.33	-3.35	26.32	46.02	-19.70

**Table 7-34. Radiated Spurious Emissions Below 1GHz (NB UNII LE – 5731MHz), with AC/DC adaptor to USB-C cable with wire charger**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 117 of 130

V 10.6 10/27/2023

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



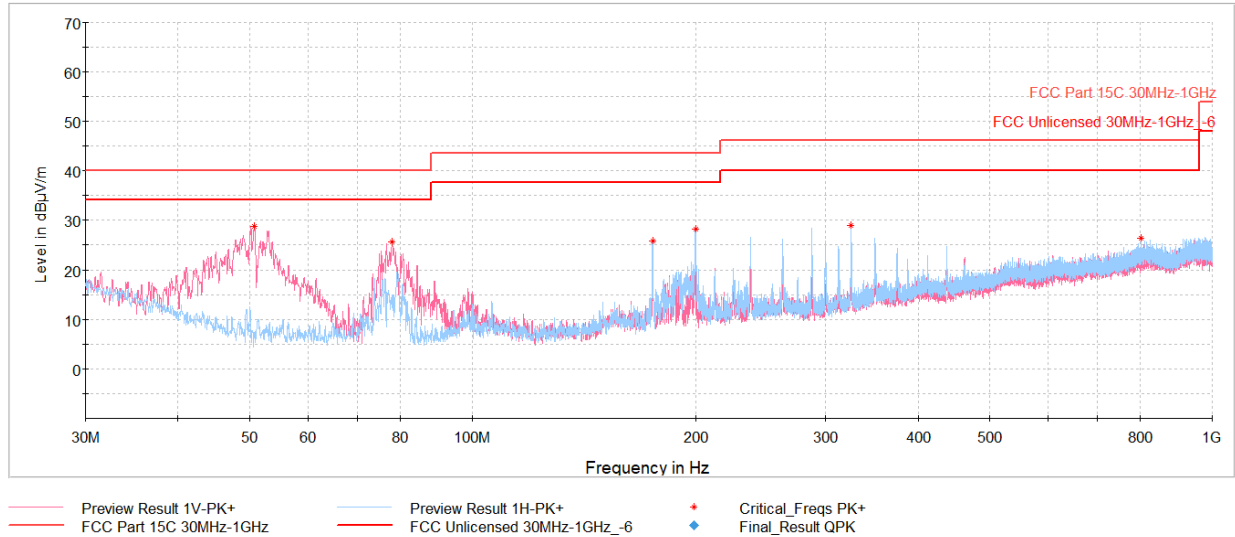
**Plot 7-140. Radiated Spurious Emissions Below 1GHz (NB UNII HDR4 – 5788MHz), with AC/DC adaptor to USB-C cable with wire charger**

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]
49.21	Max Peak	V	100	313	-55.07	-23.33	28.60	40.00	-11.40
79.42	Max Peak	V	100	294	-56.70	-23.02	27.28	40.00	-12.72
175.02	Max Peak	H	100	191	-62.32	-19.13	25.55	43.52	-17.97
199.90	Max Peak	H	200	15	-60.20	-17.89	28.91	43.52	-14.61
312.22	Max Peak	H	100	265	-62.86	-14.78	29.36	46.02	-16.66
937.14	Max Peak	H	100	34	-75.58	-3.30	28.12	46.02	-17.90

**Table 7-35. Radiated Spurious Emissions Below 1GHz (NB UNII HDR4 – 5788MHz), with AC/DC adaptor to USB-C cable with wire charger**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 118 of 130

V 10.6 10/27/2023



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]
50.81	Max Peak	V	100	66	-55.24	-23.14	28.62	40.00	-11.38
77.97	Max Peak	V	200	204	-58.38	-22.97	25.65	40.00	-14.35
174.97	Max Peak	H	100	224	-62.17	-19.13	25.70	43.52	-17.82
199.99	Max Peak	H	100	197	-60.93	-17.88	28.19	43.52	-15.33
324.69	Max Peak	H	100	245	-63.72	-14.41	28.87	46.02	-17.15
800.57	Max Peak	H	300	307	-77.40	-3.39	26.21	46.02	-19.81

Table 7-36. Radiated Spurious Emissions Below 1GHz (NB UNII HDRp4 – 5788MHz), with AC/DC adaptor to USB-C cable with wire charger

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 119 of 130

V 10.6 10/27/2023

## 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 7-37. 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

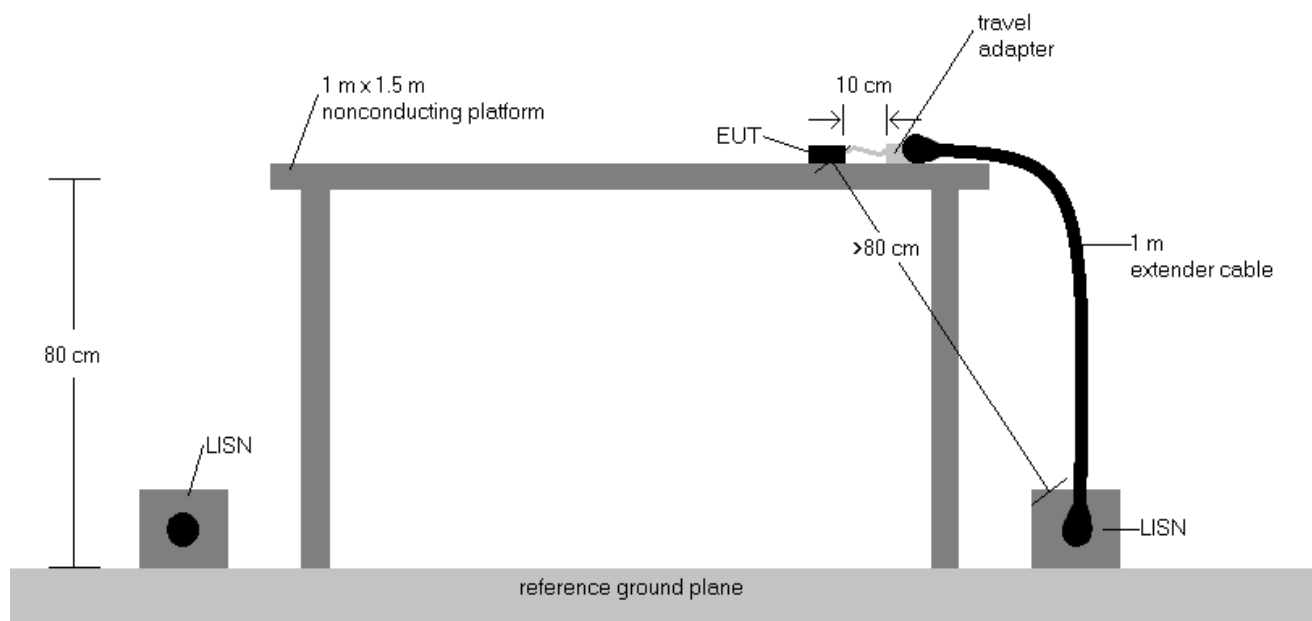
1. Analyzer center frequency was set to the frequency of the spurious emission of interest
2. RBW = 9kHz (for emissions from 150kHz – 30MHz)
3. Detector = RMS
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 120 of 130

V 10.6 10/27/2023

## Test Setup


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



**Figure 7-8. Test Instrument & Measurement Setup**

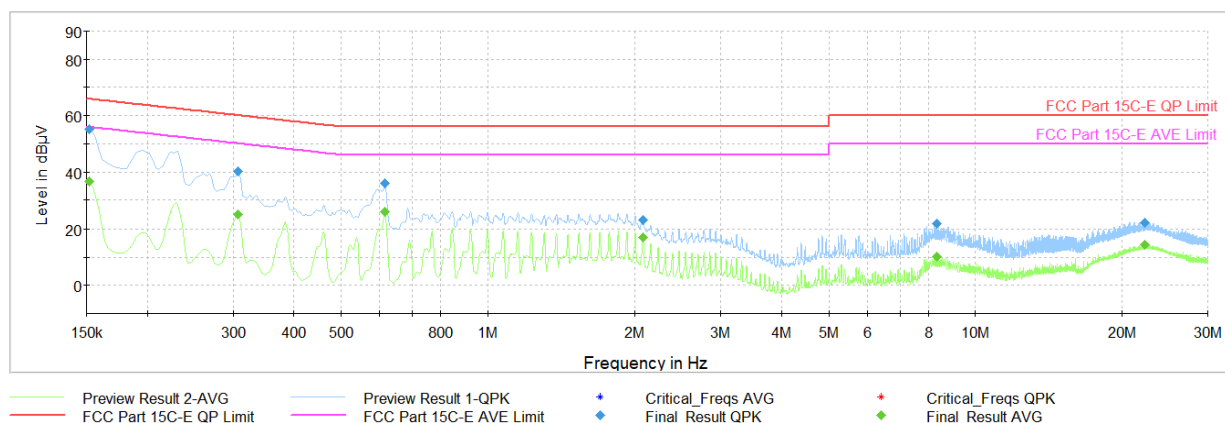
## Test Notes

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 charged by charging case and powered by AC/DC adaptor with USB-C cable
  - b. EUT charged by charging case and powered by host PC with USB-C cable
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: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 121 of 130

V 10.6 10/27/2023






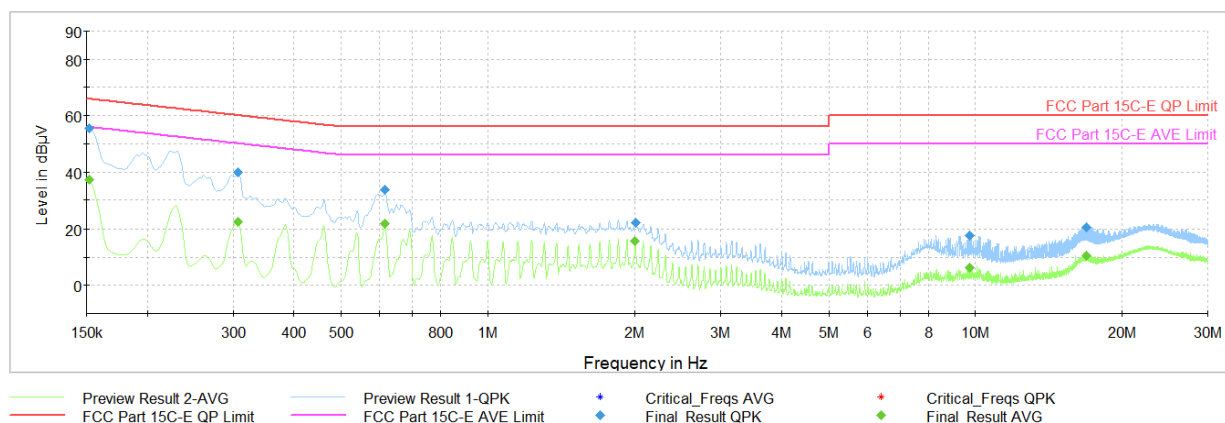
**Plot 7-142. AC Line Conducted Plot (NB UNII BDR – 5200MHz) (L1) with Laptop and USB-C Cable**

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.152	FINAL	—	36.73	55.88	-19.15	L1	GND
0.152	FINAL	55.2	—	65.88	-10.68	L1	GND
0.308	FINAL	—	25.07	50.04	-24.97	L1	GND
0.308	FINAL	40.1	—	60.04	-19.93	L1	GND
0.616	FINAL	—	26.22	46.00	-19.78	L1	GND
0.616	FINAL	36.0	—	56.00	-20.05	L1	GND
2.076	FINAL	23.1	—	56.00	-32.87	L1	GND
2.076	FINAL	—	17.17	46.00	-28.83	L1	GND
8.327	FINAL	21.8	—	60.00	-38.16	L1	GND
8.327	FINAL	—	10.22	50.00	-39.78	L1	GND
22.279	FINAL	—	14.32	50.00	-35.68	L1	GND
22.286	FINAL	22.4	—	60.00	-37.63	L1	GND

**Table 7-38. AC Line Conducted Data (NB UNII BDR – 5200MHz) (L1) with Laptop and USB-C Cable**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 122 of 130


V 10.6 10/27/2023



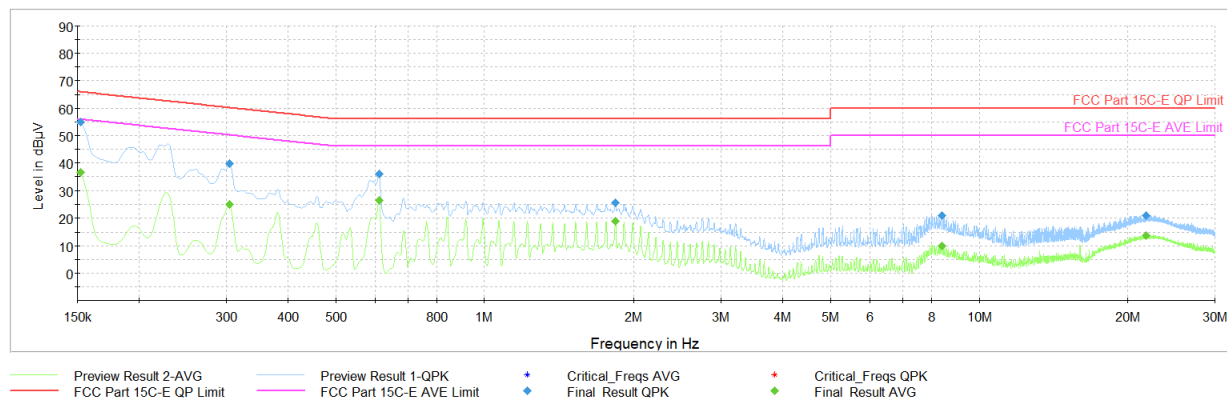
**Plot 7-143. AC Line Conducted Plot (NB UNII BDR – 5200MHz) (N) with Laptop and USB-C Cable**

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.152	FINAL	—	37.07	55.88	-18.80	N	GND
0.152	FINAL	55.5	—	65.88	-10.35	N	GND
0.308	FINAL	—	22.68	50.04	-27.36	N	GND
0.308	FINAL	40.0	—	60.04	-20.08	N	GND
0.616	FINAL	33.7	—	56.00	-22.26	N	GND
0.616	FINAL	—	21.87	46.00	-24.13	N	GND
2.000	FINAL	—	15.71	46.00	-30.29	N	GND
2.002	FINAL	22.1	—	56.00	-33.90	N	GND
9.715	FINAL	—	6.27	50.00	-43.73	N	GND
9.719	FINAL	17.8	—	60.00	-42.22	N	GND
16.899	FINAL	—	10.41	50.00	-39.59	N	GND
16.899	FINAL	20.5	—	60.00	-39.53	N	GND

**Table 7-39. AC Line Conducted (NB UNII BDR – 5200MHz) (N) with Laptop and USB-C Cable**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 123 of 130


V 10.6 10/27/2023



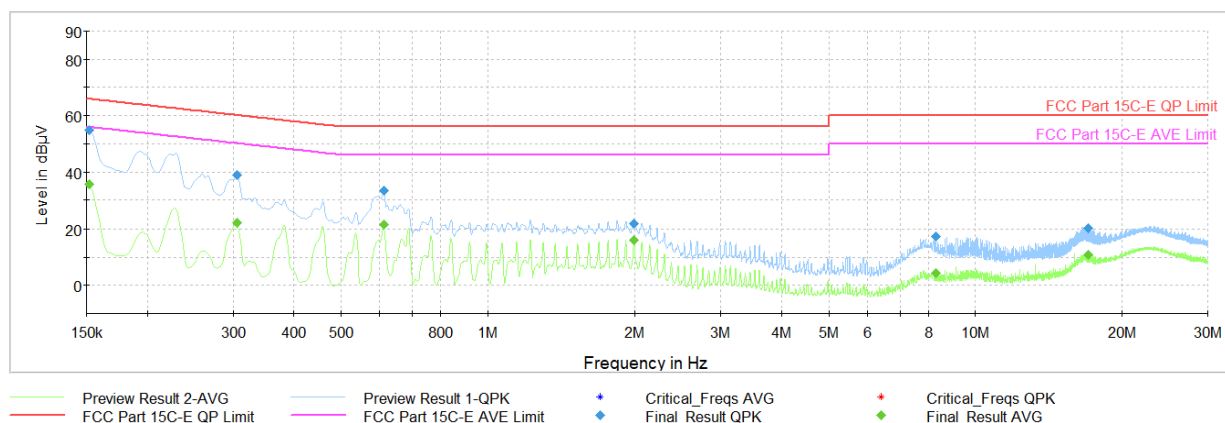
**Plot 7-144. AC Line Conducted Plot (NB UNII LE – 5731MHz) (L1) with Laptop and USB-C Cable**

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.152	FINAL	—	36.36	55.88	-19.51	L1	GND
0.152	FINAL	54.8	—	65.88	-11.09	L1	GND
0.305	FINAL	—	25.13	50.10	-24.97	L1	GND
0.305	FINAL	39.6	—	60.10	-20.49	L1	GND
0.611	FINAL	—	26.49	46.00	-19.51	L1	GND
0.611	FINAL	36.0	—	56.00	-20.03	L1	GND
1.831	FINAL	25.6	—	56.00	-30.39	L1	GND
1.835	FINAL	—	19.02	46.00	-26.98	L1	GND
8.394	FINAL	20.9	—	60.00	-39.08	L1	GND
8.396	FINAL	—	9.88	50.00	-40.12	L1	GND
21.764	FINAL	—	13.61	50.00	-36.39	L1	GND
21.768	FINAL	20.9	—	60.00	-39.14	L1	GND

**Table 7-40. AC Line Conducted Data (NB UNII LE – 5731MHz) (L1) with Laptop and USB-C Cable**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 124 of 130


V 10.6 10/27/2023



**Plot 7-145. AC Line Conducted Plot (NB UNII LE – 5731MHz) (N) with Laptop and USB-C Cable**

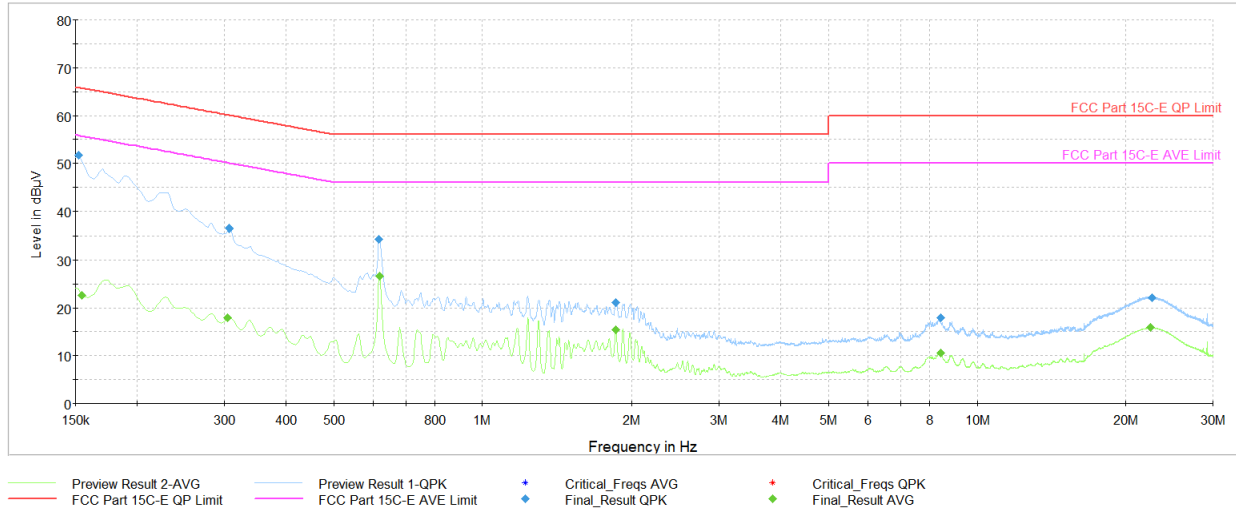
Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.152	FINAL	—	35.65	55.88	-20.23	N	GND
0.152	FINAL	54.7	—	65.88	-11.19	N	GND
0.305	FINAL	—	22.22	50.10	-27.88	N	GND
0.305	FINAL	38.9	—	60.10	-21.16	N	GND
0.611	FINAL	—	21.67	46.00	-24.33	N	GND
0.611	FINAL	33.3	—	56.00	-22.72	N	GND
1.986	FINAL	21.9	—	56.00	-34.07	N	GND
1.991	FINAL	—	15.95	46.00	-30.05	N	GND
8.288	FINAL	17.4	—	60.00	-42.56	N	GND
8.288	FINAL	—	4.29	50.00	-45.71	N	GND
17.030	FINAL	—	10.74	50.00	-39.26	N	GND
17.032	FINAL	20.4	—	60.00	-39.58	N	GND

**Table 7-41. AC Line Conducted (NB UNII LE – 5731MHz) (N) with Laptop and USB-C Cable**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 125 of 130

V 10.6 10/27/2023

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



**Plot 7-146. AC Line Conducted Plot (NB UNII HDR4 – 5788MHz) (L1) with Laptop and USB-C Cable**

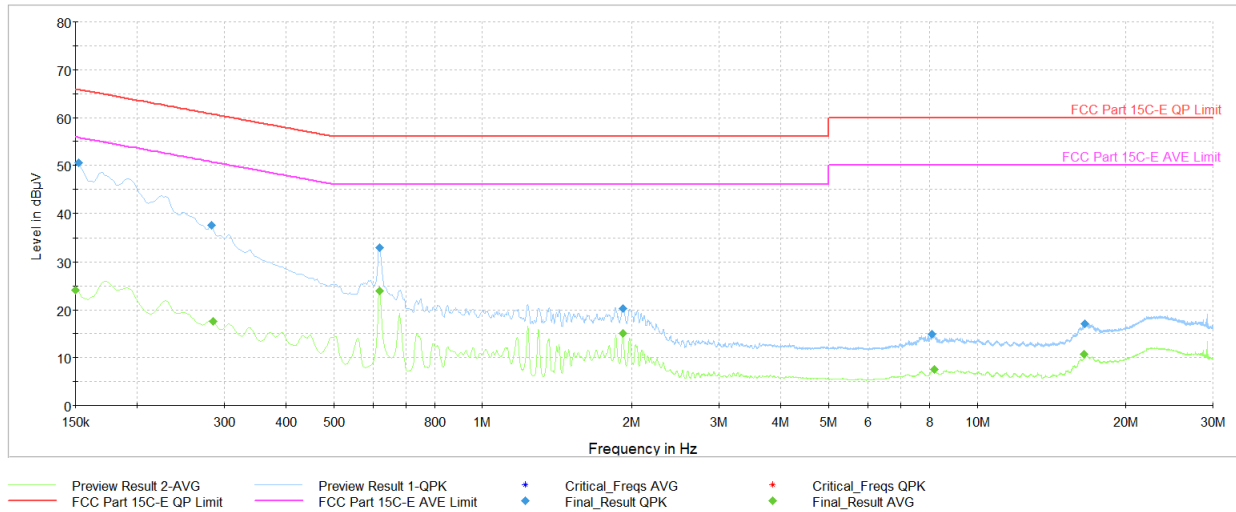
Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.152	FINAL	51.7	—	65.88	-14.18	L1	GND
0.155	FINAL	—	22.58	55.75	-33.18	L1	GND
0.305	FINAL	—	17.88	50.10	-32.22	L1	GND
0.308	FINAL	36.6	—	60.04	-23.47	L1	GND
0.618	FINAL	34.4	—	56.00	-21.64	L1	GND
0.620	FINAL	—	26.66	46.00	-19.34	L1	GND
1.853	FINAL	21.1	—	56.00	-34.86	L1	GND
1.856	FINAL	—	15.32	46.00	-30.68	L1	GND
8.421	FINAL	17.9	—	60.00	-42.14	L1	GND
8.421	FINAL	—	10.56	50.00	-39.44	L1	GND
22.457	FINAL	—	15.84	50.00	-34.16	L1	GND
22.578	FINAL	22.2	—	60.00	-37.84	L1	GND

**Table 7-42. AC Line Conducted Data (NB UNII HDR4 – 5788MHz) (L1) with Laptop and USB-C Cable**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 126 of 130

V 10.6 10/27/2023

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



**Plot 7-147. AC Line Conducted Plot (NB UNII HDR4 – 5788MHz) (N) with Laptop and USB-C Cable**

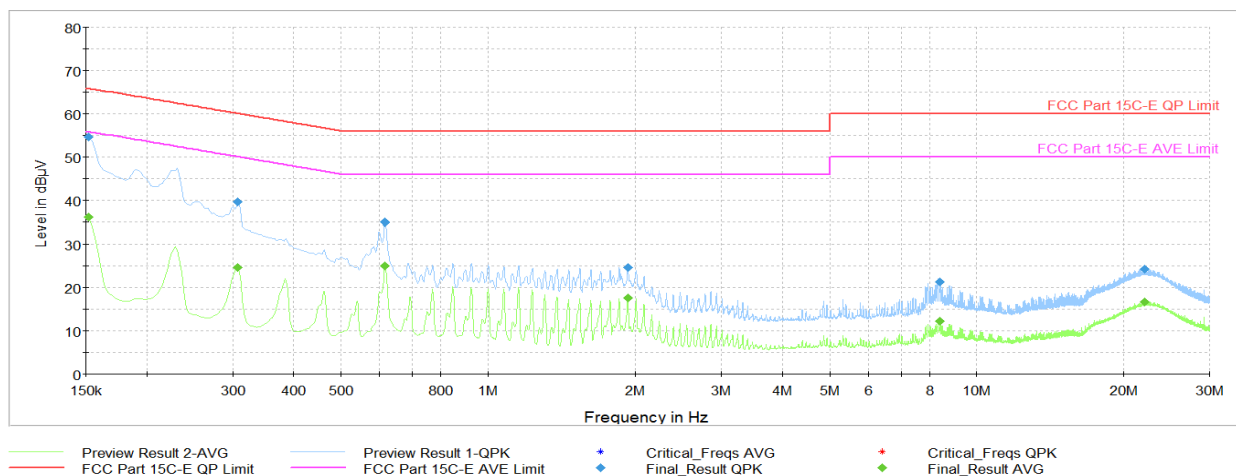
Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.150	FINAL	—	24.08	56.00	-31.92	N	GND
0.152	FINAL	50.6	—	65.88	-15.29	N	GND
0.283	FINAL	37.5	—	60.74	-23.28	N	GND
0.285	FINAL	—	17.60	50.67	-33.07	N	GND
0.620	FINAL	—	23.87	46.00	-22.13	N	GND
0.620	FINAL	32.9	—	56.00	-23.10	N	GND
1.919	FINAL	20.3	—	56.00	-35.68	N	GND
1.919	FINAL	—	15.05	46.00	-30.95	N	GND
8.097	FINAL	14.9	—	60.00	-45.10	N	GND
8.176	FINAL	—	7.51	50.00	-42.49	N	GND
16.454	FINAL	—	10.68	50.00	-39.32	N	GND
16.523	FINAL	17.1	—	60.00	-42.86	N	GND

**Table 7-43. AC Line Conducted (NB UNII HDR4 – 5788MHz) (N) with Laptop and USB-C Cable**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 127 of 130

V 10.6 10/27/2023


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



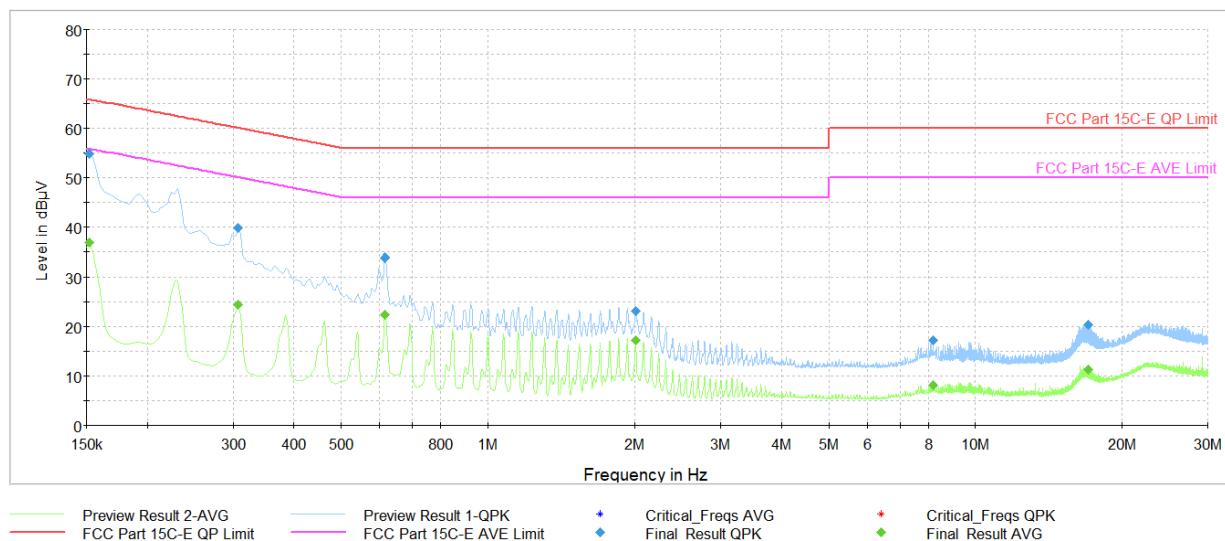
**Plot 7-148. AC Line Conducted Plot (NB UNII HDRp4 – 5788MHz) (L1) with Laptop and USB-C Cable**

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.152	FINAL	—	36.19	55.88	-19.69	L1	GND
0.152	FINAL	54.7	—	65.88	-11.19	L1	GND
0.308	FINAL	—	24.71	50.04	-25.33	L1	GND
0.308	FINAL	39.7	—	60.04	-20.36	L1	GND
0.616	FINAL	35.0	—	56.00	-20.98	L1	GND
0.616	FINAL	—	25.09	46.00	-20.91	L1	GND
1.928	FINAL	—	17.62	46.00	-28.38	L1	GND
1.930	FINAL	24.6	—	56.00	-31.44	L1	GND
8.412	FINAL	—	12.25	50.00	-37.75	L1	GND
8.414	FINAL	21.3	—	60.00	-38.68	L1	GND
22.097	FINAL	—	16.66	50.00	-33.34	L1	GND
22.101	FINAL	24.2	—	60.00	-35.78	L1	GND

**Table 7-44. AC Line Conducted Data (NB UNII HDRp4 – 5788MHz) (L1) with Laptop and USB-C Cable**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 128 of 130


V 10.6 10/27/2023



**Plot 7-149. AC Line Conducted Plot (NB UNII HDRp4 – 5788MHz) (N) with Laptop and USB-C Cable**

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.152	FINAL	—	36.88	55.88	-18.99	N	GND
0.152	FINAL	54.9	—	65.88	-11.00	N	GND
0.308	FINAL	—	24.40	50.04	-25.64	N	GND
0.308	FINAL	39.8	—	60.04	-20.19	N	GND
0.616	FINAL	—	22.32	46.00	-23.68	N	GND
0.616	FINAL	33.9	—	56.00	-22.12	N	GND
2.004	FINAL	—	17.24	46.00	-28.76	N	GND
2.006	FINAL	23.1	—	56.00	-32.86	N	GND
8.192	FINAL	17.1	—	60.00	-42.87	N	GND
8.192	FINAL	—	8.13	50.00	-41.87	N	GND
17.063	FINAL	—	11.23	50.00	-38.77	N	GND
17.068	FINAL	20.3	—	60.00	-39.72	N	GND

**Table 7-45. AC Line Conducted (NB UNII HDRp4 – 5788MHz) (N) with Laptop and USB-C Cable**

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 129 of 130

V 10.6 10/27/2023

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



## 8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Apple Wireless Left Earbud FCC ID: BCG-A3064** is in compliance with Part 15 Subpart E (15.407) of the FCC Rules.

FCC ID: BCG-A3064		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2504170044-04-R1.BCG	Test Dates: 5/27/2025 - 7/25/2025	EUT Type: Wireless Left Earbud	Page 130 of 130

V 10.6 10/27/2023

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