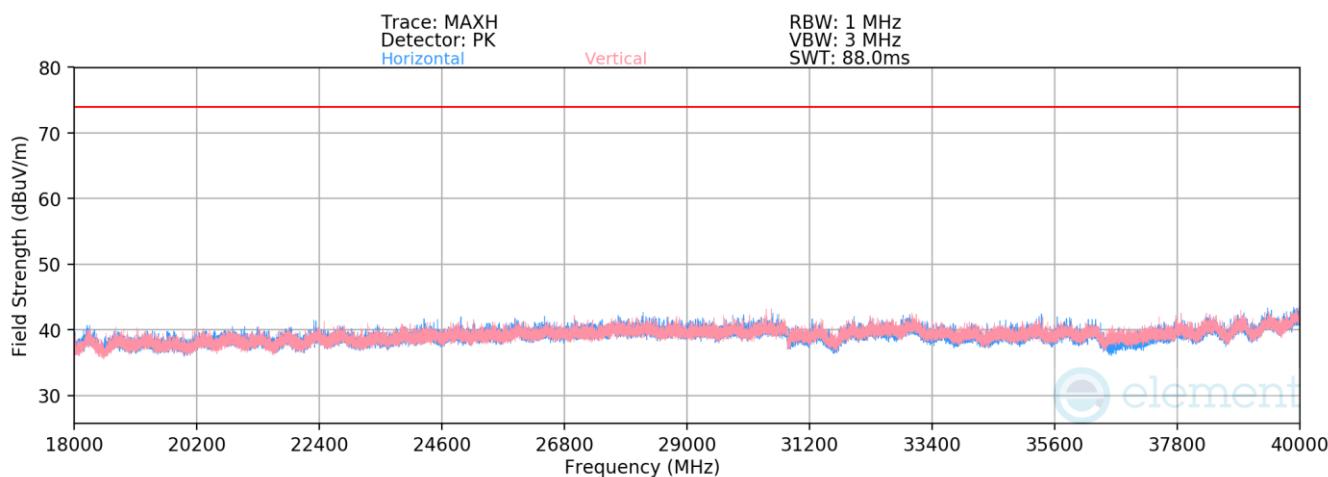


**Plot 7-87. Radiated Spurious Emissions 1-18GHz (NB UNII HDRp4 – 5245MHz)**



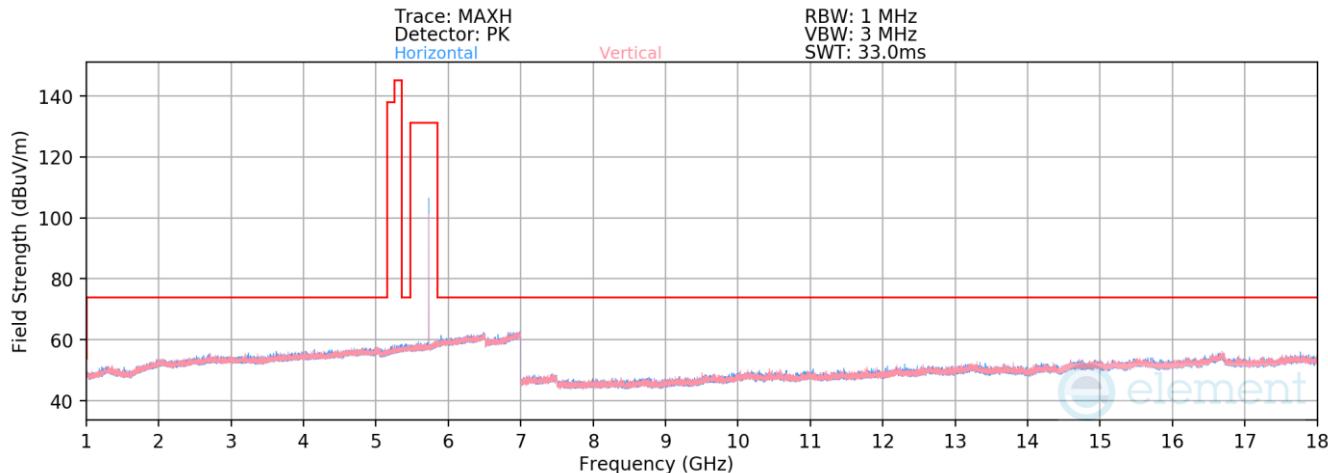
**Plot 7-88. Radiated Spurious Emissions 18-40GHz (NB UNII HDRp4 – 5245MHz)**

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

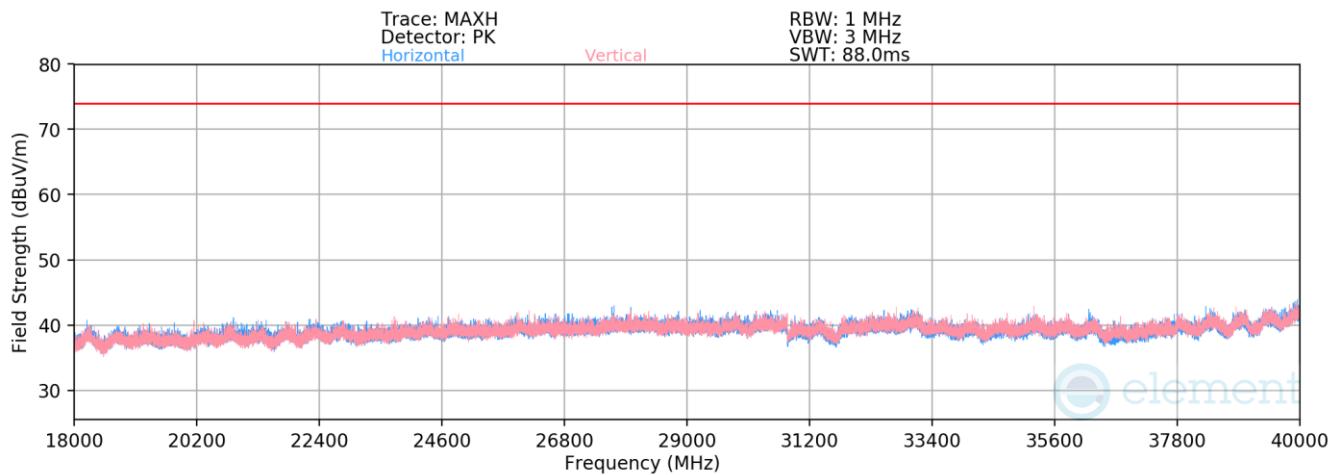
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
10490.00	Peak	-	-	-	-79.37	21.87	49.50	68.23	-18.73
* 15735.00	Avg	-	-	-	-91.56	28.85	44.29	53.98	-9.69
* 15735.00	Peak	-	-	-	-80.10	28.85	55.75	73.98	-18.23

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

FCC ID: BCG-A3055	 element	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud				



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



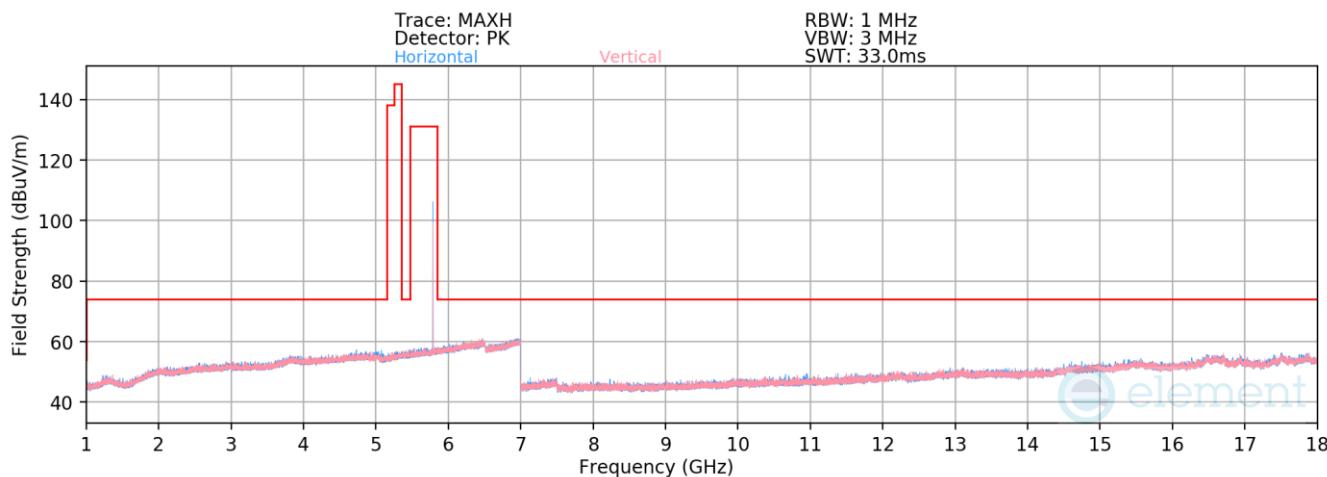
**Plot 7-90. Radiated Spurious Emissions 18-40GHz (NB UNII BDR – 5731MHz)**

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]	Duty Cycle Correction [dB]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
* 11462.00	Avg	H	261	286	-81.18	12.56	1.15	39.53	53.98	-14.45
* 11462.00	Peak	H	261	286	-71.14	12.56	0.00	48.42	73.98	-25.56
17193.00	Peak	-	-	-	-70.31	17.24	0.00	53.93	68.23	-14.30
* 22924.00	Avg	-	-	-	-71.27	-6.04	0.00	29.69	53.98	-24.29
* 22924.00	Peak	-	-	-	-60.12	-6.04	0.00	40.84	73.98	-33.14
28655.00	Peak	V	326	152	-61.35	-2.76	0.00	42.89	68.23	-25.34
34386.00	Peak	-	-	-	-61.84	-3.77	0.00	41.39	68.23	-26.84

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

FCC ID: BCG-A3055	 element	MEASUREMENT REPORT (CERTIFICATION)					Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud					



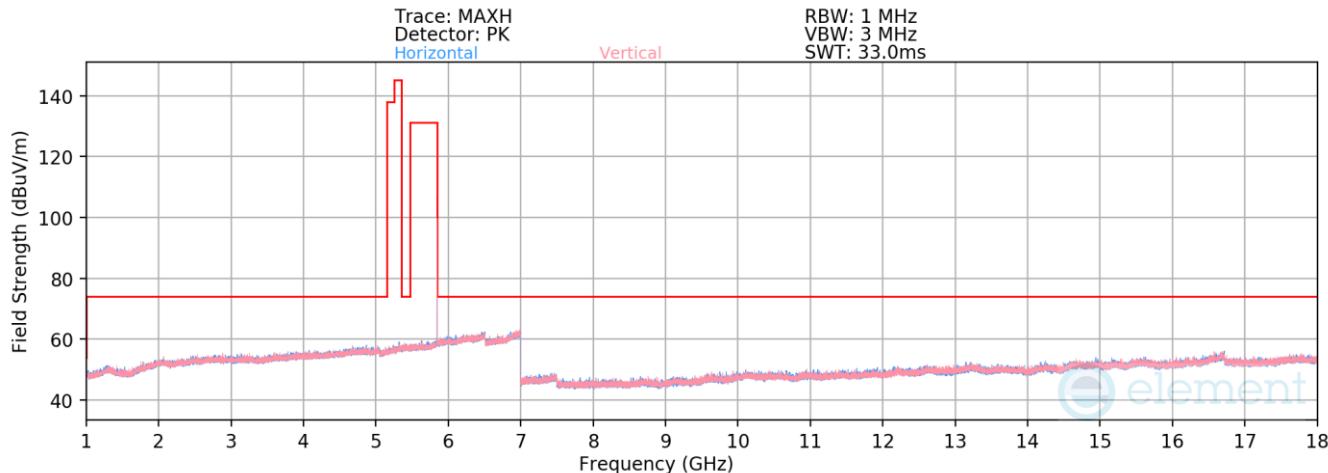
**Plot 7-91. Radiated Spurious Emissions 1-18GHz (NB UNII BDR – 5788MHz)**

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 [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
* 11576.00	Avg	-	-	-	-78.78	9.47	37.69	53.98	-16.29
* 11576.00	Peak	-	-	-	-67.61	9.47	48.86	73.98	-25.12
17364.00	Peak	-	-	-	-69.00	17.25	55.25	68.23	-12.98

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

FCC ID: BCG-A3055	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud			



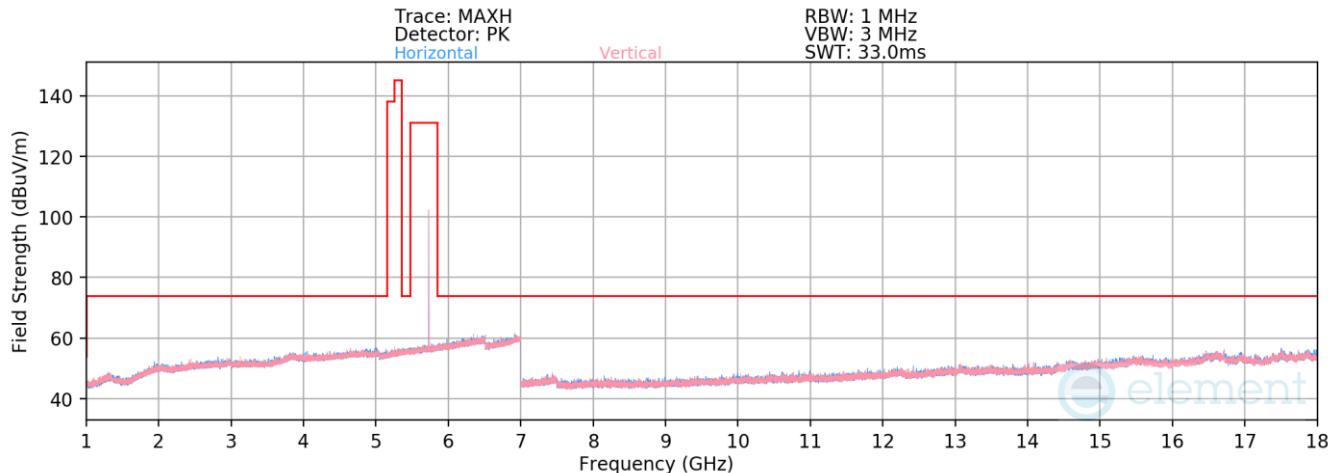
**Plot 7-92. Radiated Spurious Emissions 1-18GHz (NB UNII BDR – 5844MHz)**

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

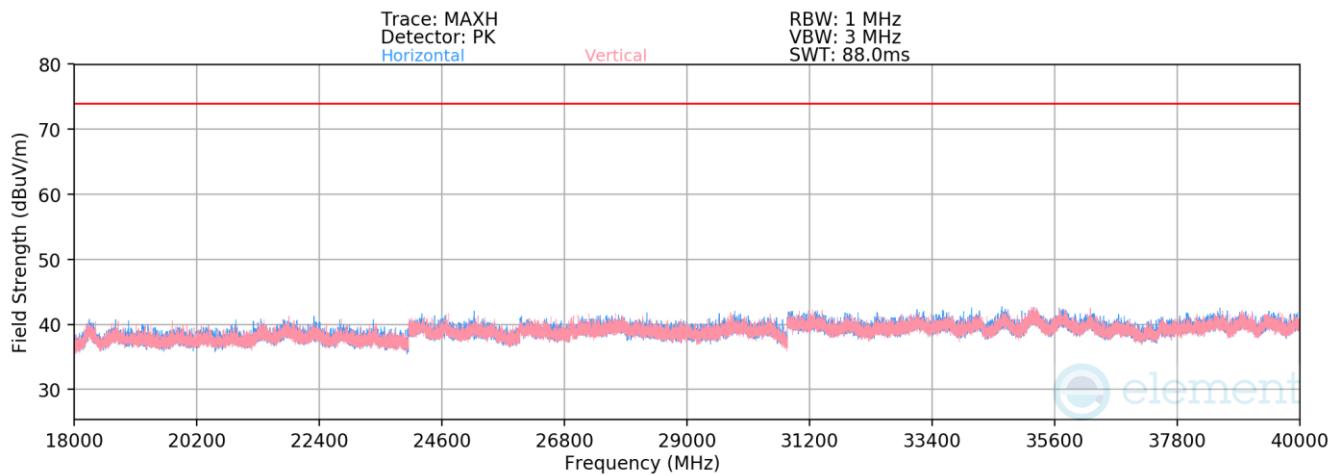
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
* 11688.00	Avg	-	-	-	-78.95	9.88	37.93	53.98	-16.05
* 11688.00	Peak	-	-	-	-67.86	9.88	49.02	73.98	-24.96
17532.00	Peak	-	-	-	-69.89	18.50	55.61	68.23	-12.62

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

FCC ID: BCG-A3055	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>			Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud	Page 78 of 123	



**Plot 7-93. Radiated Spurious Emissions 1-18GHz (NB UNII LE2M – 5731MHz)**



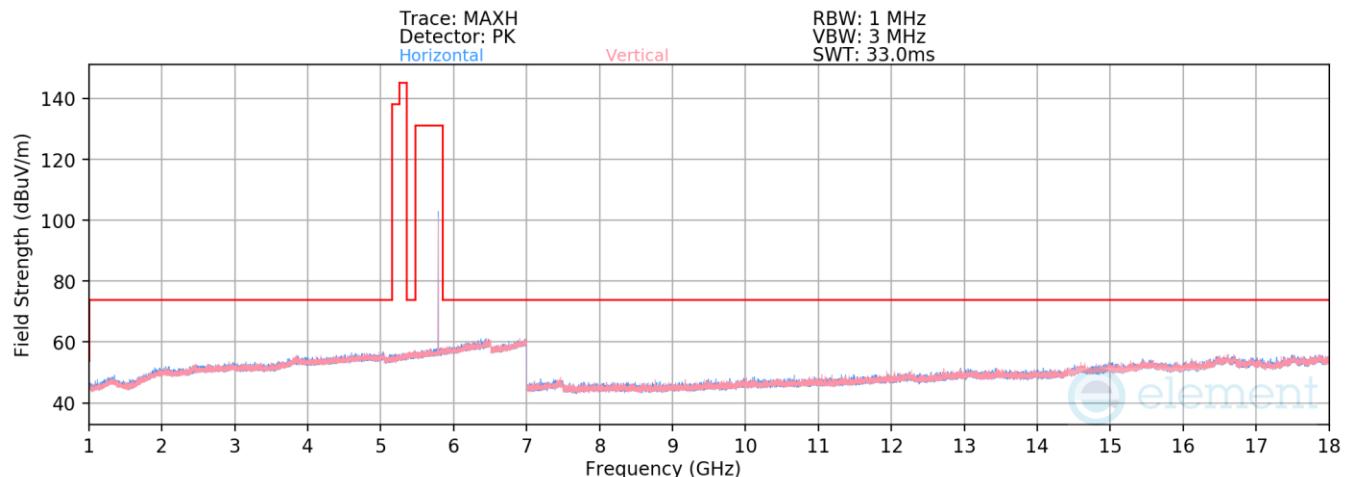
**Plot 7-94. Radiated Spurious Emissions 18-40GHz (NB UNII LE2M – 5731MHz)**

Mode: LE  
 Data Rate: 2Mbps  
 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]	Duty Cycle Correction [dB]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
* 11462.00	Avg	V	101	49	-78.32	12.06	0.62	41.36	53.98	-12.62
* 11462.00	Peak	V	101	49	-68.78	12.06	0.00	50.28	73.98	-23.70
17193.00	Peak	H	329	136	-69.96	16.84	0.00	53.88	68.23	-14.35
* 22924.00	Avg	-	-	-	-72.16	-6.23	0.00	28.61	53.98	-25.38
* 22924.00	Peak	-	-	-	-60.44	-6.23	0.00	40.33	73.98	-33.65
28655.00	Peak	V	19	145	-62.50	-2.96	0.00	41.54	68.23	-26.69
34386.00	Peak	-	-	-	-62.18	-3.68	0.00	41.14	68.23	-27.09

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

FCC ID: BCG-A3055	 element	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud				



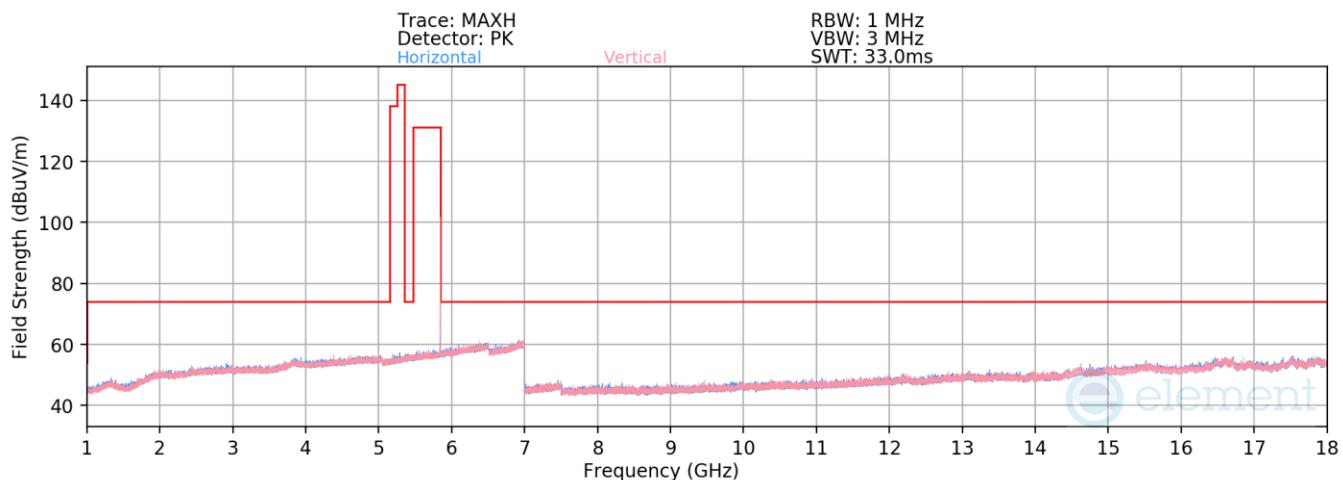
**Plot 7-95. Radiated Spurious Emissions 1-18GHz (NB UNII LE2M – 5788MHz)**

Mode: LE  
 Data Rate: 2Mbps  
 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]	Duty Cycle Correction [dB]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
* 11576.00	Avg	V	101	35	-77.33	9.43	0.62	39.72	53.98	-14.26
* 11576.00	Peak	V	101	35	-67.02	9.43	0.00	49.41	73.98	-24.58
17364.00	Peak	H	242	234	-69.66	17.03	0.00	54.37	68.23	-13.86

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

FCC ID: BCG-A3055	 <b>element</b> MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud		



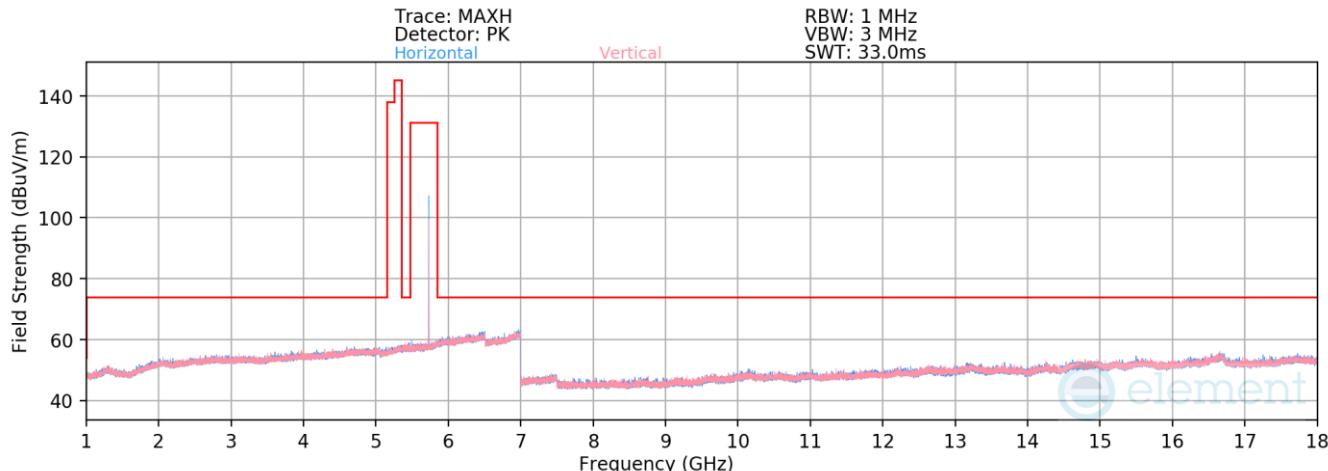
**Plot 7-96. Radiated Spurious Emissions 1-18GHz (NB UNII LE2M – 5844MHz)**

Mode: LE  
 Data Rate: 2Mbps  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5844MHz

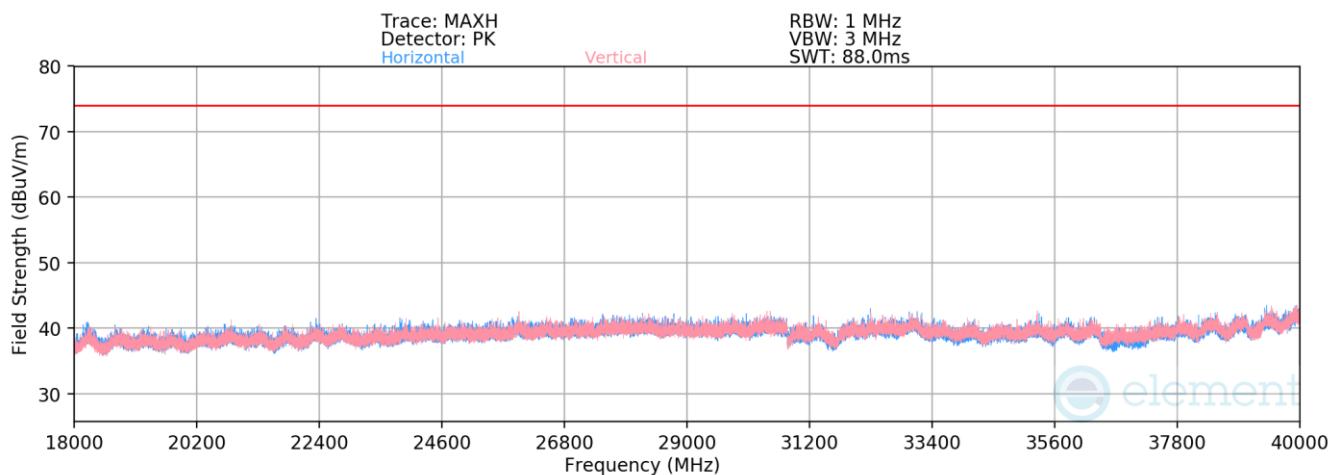
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Duty Cycle Correction [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
* 11688.00	Avg	V	270	18	-78.06	9.84	0.62	39.40	53.98	-14.58
* 11688.00	Peak	V	270	18	-67.98	9.84	0.00	48.86	73.98	-25.12
17532.00	Peak	H	286	263	-70.07	18.79	0.00	55.73	68.23	-12.51

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

FCC ID: BCG-A3055	 <b>element</b> MEASUREMENT REPORT (CERTIFICATION)				Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud			Page 81 of 123



**Plot 7-97. Radiated Spurious Emissions 1-18GHz (NB UNII HDR4 – 5731MHz)**



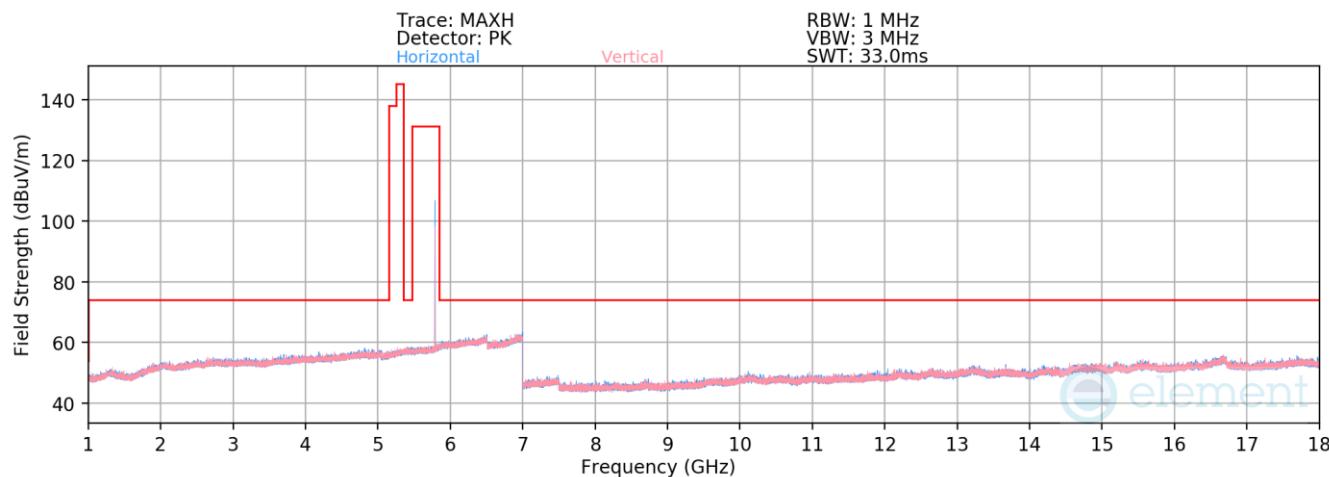
**Plot 7-98. Radiated Spurious Emissions 18-40GHz (NB UNII HDR4 – 5731MHz)**

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 [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
* 11462.00	Avg	V	101	265	-79.58	12.06	40.56	53.98	-13.42
* 11462.00	Peak	V	101	265	-68.71	12.06	50.35	73.98	-23.63
17193.00	Peak	-	-	-	-69.40	16.84	54.44	68.23	-13.79

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

FCC ID: BCG-A3055	 element	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud				



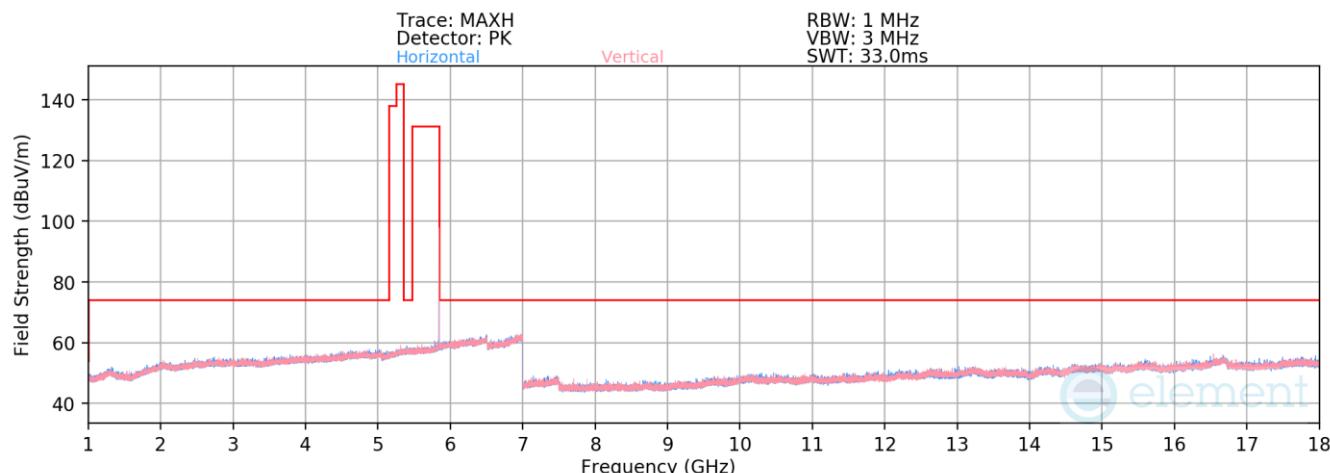
**Plot 7-99. Radiated Spurious Emissions 1-18GHz (NB UNII HDR4 – 5788MHz)**

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]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
* 11576.00	Avg	V	-	-	-80.70	12.03	38.33	53.98	-15.65
* 11576.00	Peak	V	-	-	-69.52	12.03	49.51	73.98	-24.47
17364.00	Peak	V	-	-	-70.36	17.00	53.64	68.23	-14.59

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

FCC ID: BCG-A3055	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud		



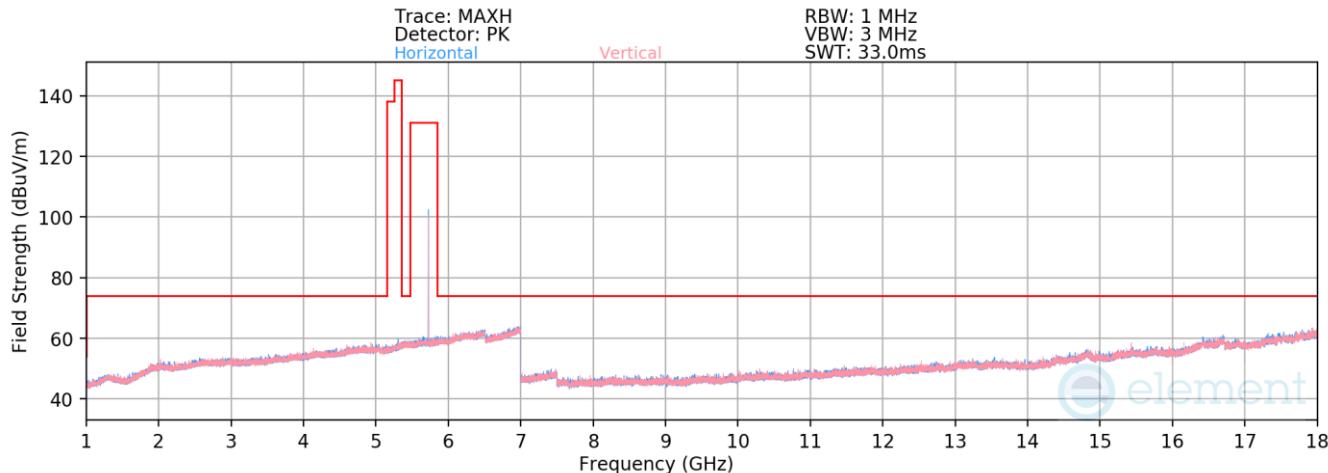
**Plot 7-100. Radiated Spurious Emissions 1-18GHz (NB UNII HDR4 – 5844MHz)**

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

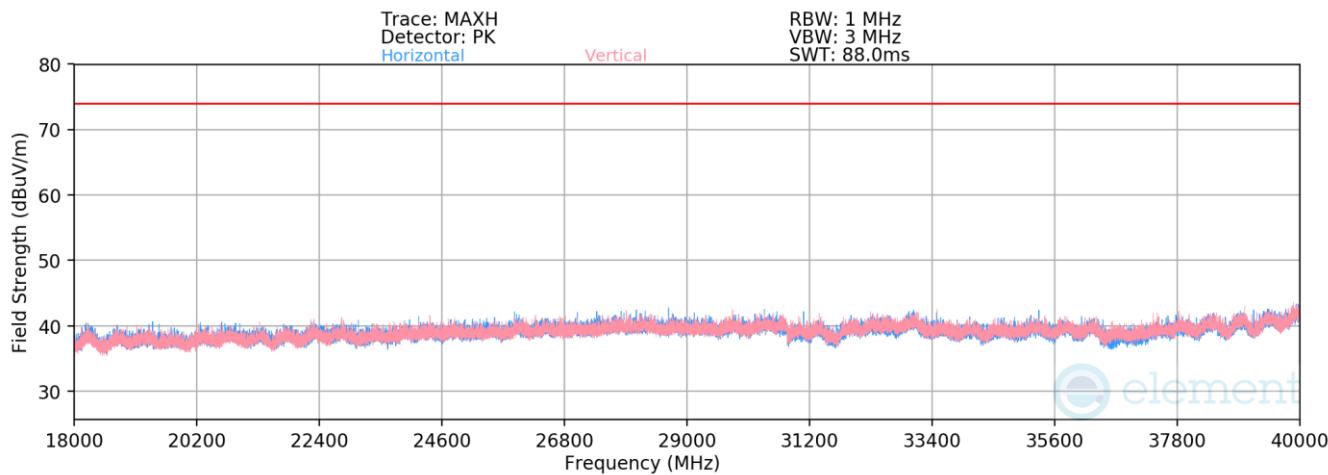
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
* 11688.00	Avg	H	-	-	-80.72	12.02	38.30	53.98	-15.68
* 11688.00	Peak	H	-	-	-69.81	12.02	49.21	73.98	-24.77
17532.00	Peak	H	-	-	-69.68	17.68	55.00	68.23	-13.23

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

FCC ID: BCG-A3055	 <b>element</b> MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud	Page 84 of 123	



**Plot 7-101. Radiated Spurious Emissions 1-18GHz (NB UNII HDRp4 – 5731MHz)**



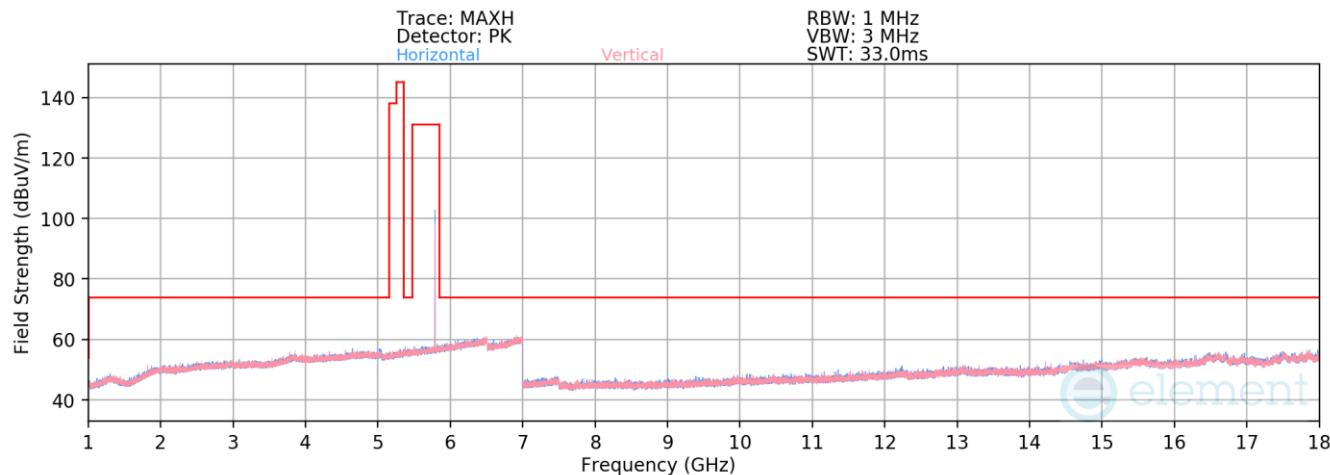
**Plot 7-102. Radiated Spurious Emissions 18-40GHz (NB UNII HDRp4 – 5731MHz)**

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]	Duty Cycle Correction [dB]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
* 11462.00	Avg	H	274	284	-78.21	9.59	0.59	38.97	53.98	-15.01
* 11462.00	Peak	H	274	284	-68.17	9.59	0.00	48.42	73.98	-25.56
17193.00	Peak	-	-	-	-69.61	16.54	0.00	53.93	68.23	-14.30

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

FCC ID: BCG-A3055	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud			



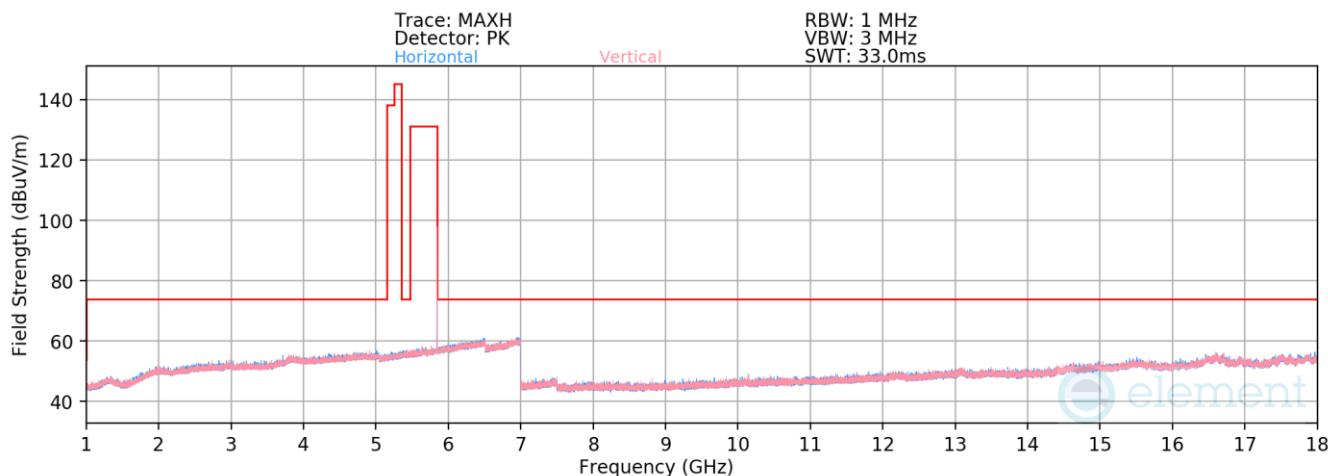
**Plot 7-103. Radiated Spurious Emissions 1-18GHz (NB UNII HDRp4 – 5788MHz)**

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]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
* 11576.00	Avg	-	-	-	-78.74	9.43	37.69	53.98	-16.29
* 11576.00	Peak	-	-	-	-67.57	9.43	48.86	73.98	-25.12
17364.00	Peak	-	-	-	-68.56	16.81	55.25	68.23	-12.98

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

FCC ID: BCG-A3055	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>			Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud	Page 86 of 123	



**Plot 7-104. 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 [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
* 11688.00	Avg	-	-	-	-78.85	9.78	37.93	53.98	-16.05
* 11688.00	Peak	-	-	-	-67.76	9.78	49.02	73.98	-24.96
17532.00	Peak	-	-	-	-70.24	18.85	55.61	68.23	-12.62

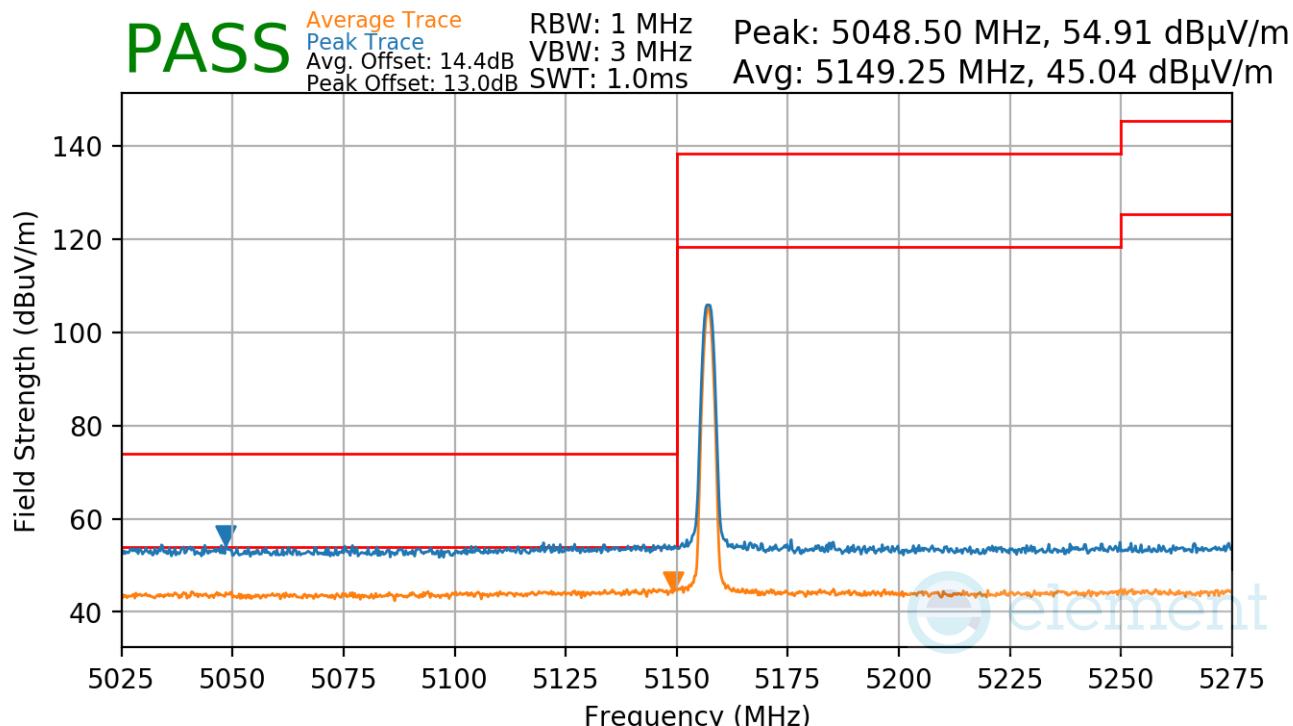
**Table 7-31. Radiated Spurious Emissions Measurements**

FCC ID: BCG-A3055	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud			

## 7.6.2 Radiated Band Edge Measurements

§15.407(b.1) §15.205 §15.209

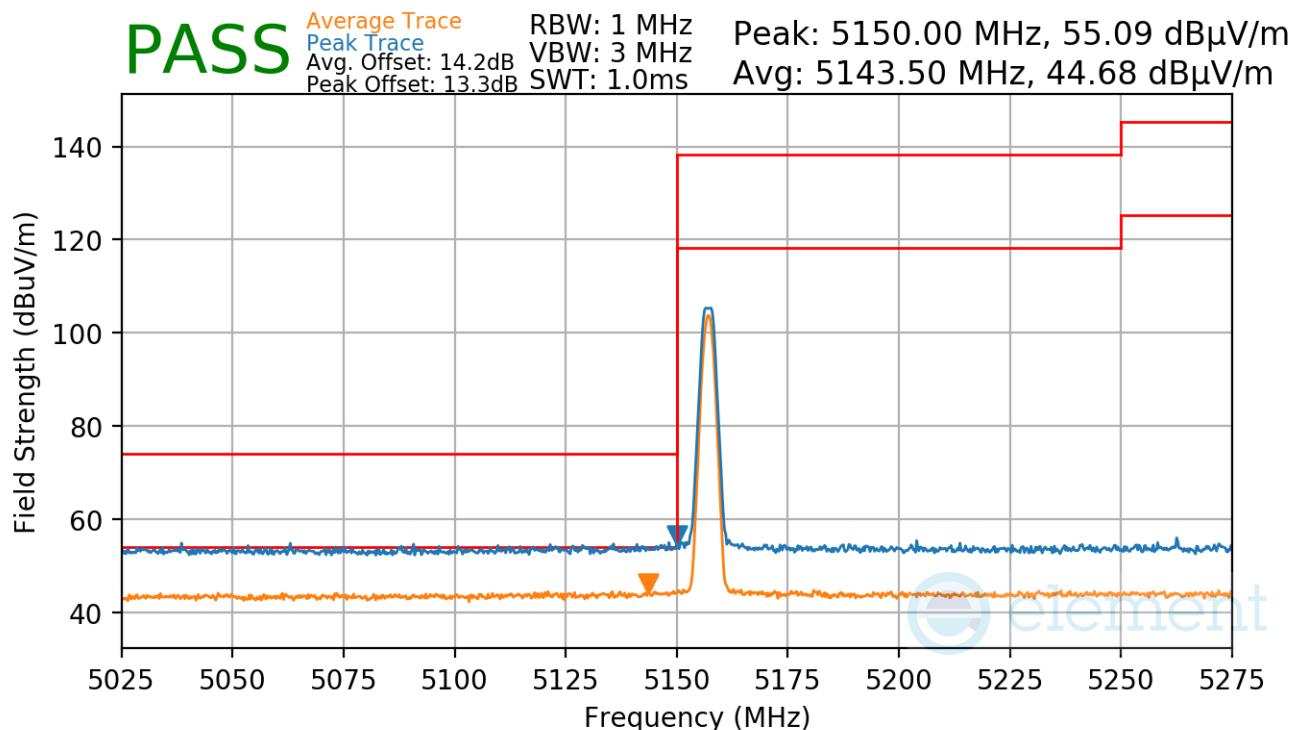
Mode: BDR  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5157MHz



Plot 7-105. Radiated Lower Band Edge Measurement

FCC ID: BCG-A3055	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud	Page 88 of 123

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



**Plot 7-106. Radiated Lower Band Edge Measurement**

FCC ID: BCG-A3055	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud	Page 89 of 123

Mode:

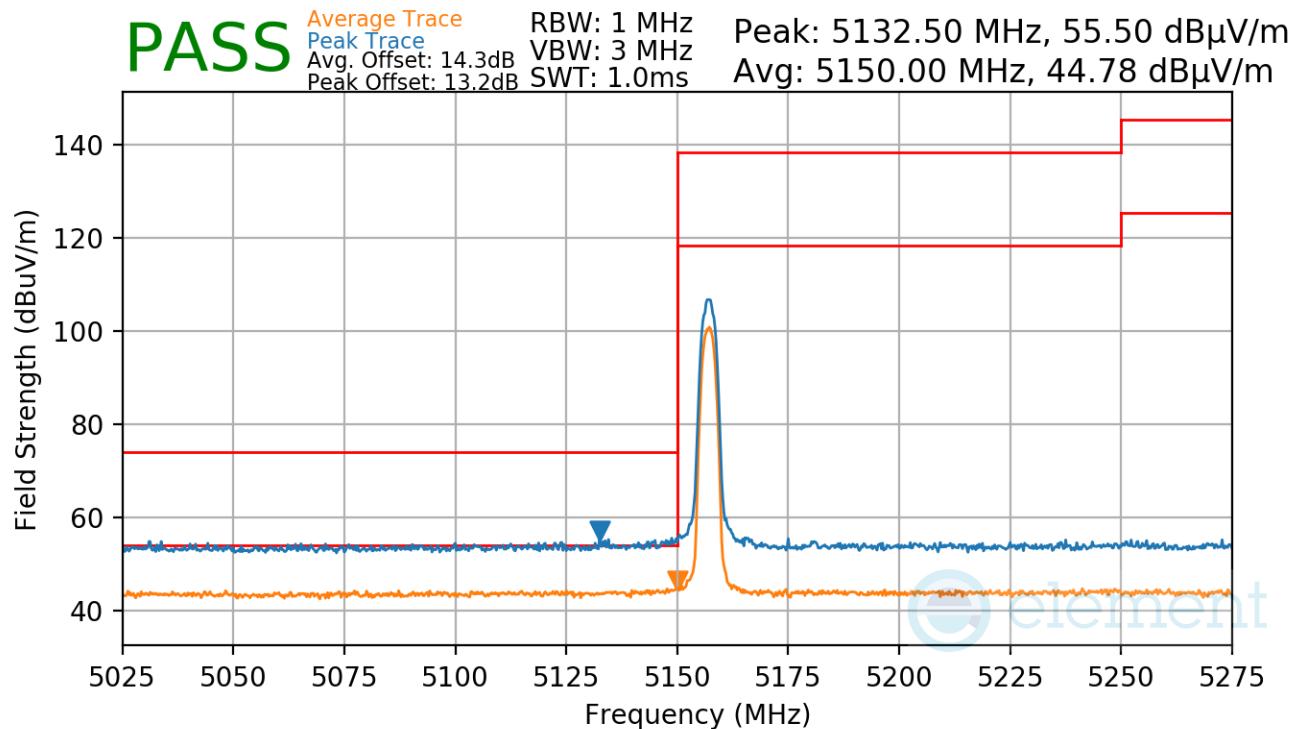
HDR4

Measurement Distance:

3 Meters

Operating Frequency:

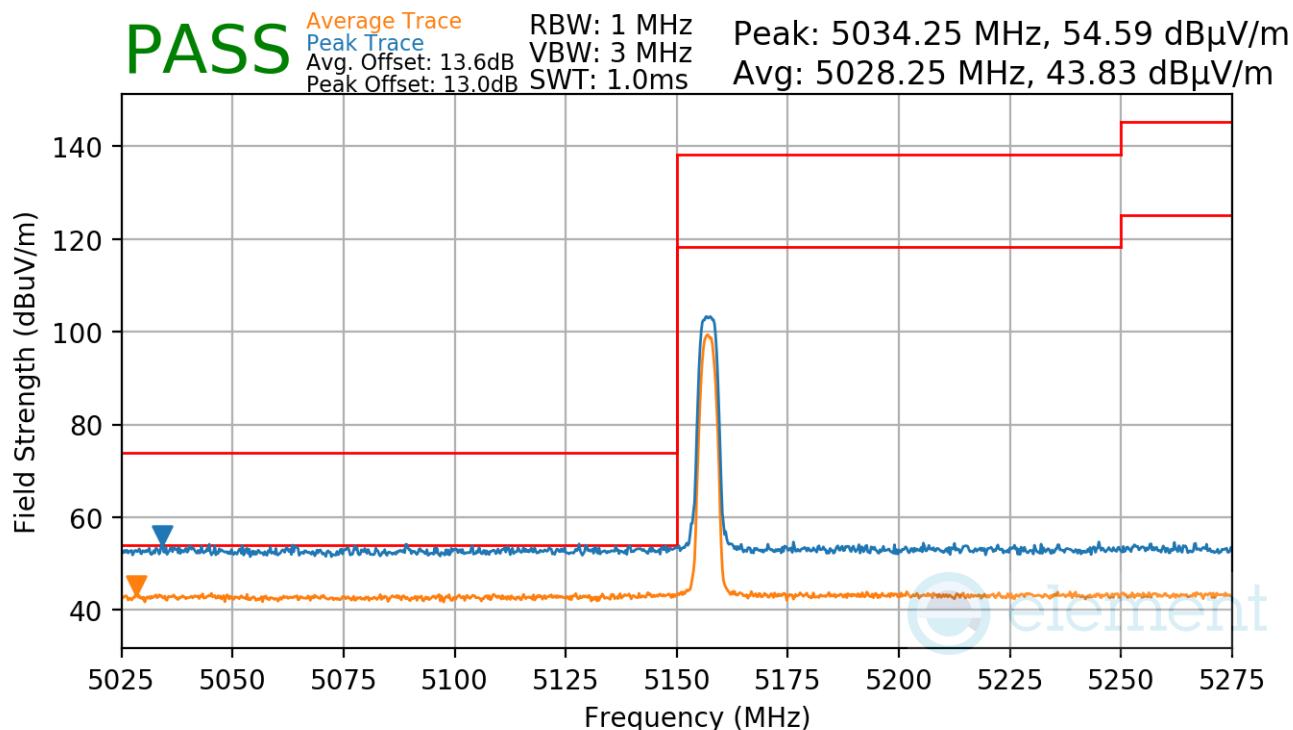
5157MHz



**Plot 7-107. Radiated Lower Band Edge Measurement**

FCC ID: BCG-A3055	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud	Page 90 of 123

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



**Plot 7-108. Radiated Lower Band Edge Measurement**

FCC ID: BCG-A3055	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud	Page 91 of 123

Mode:

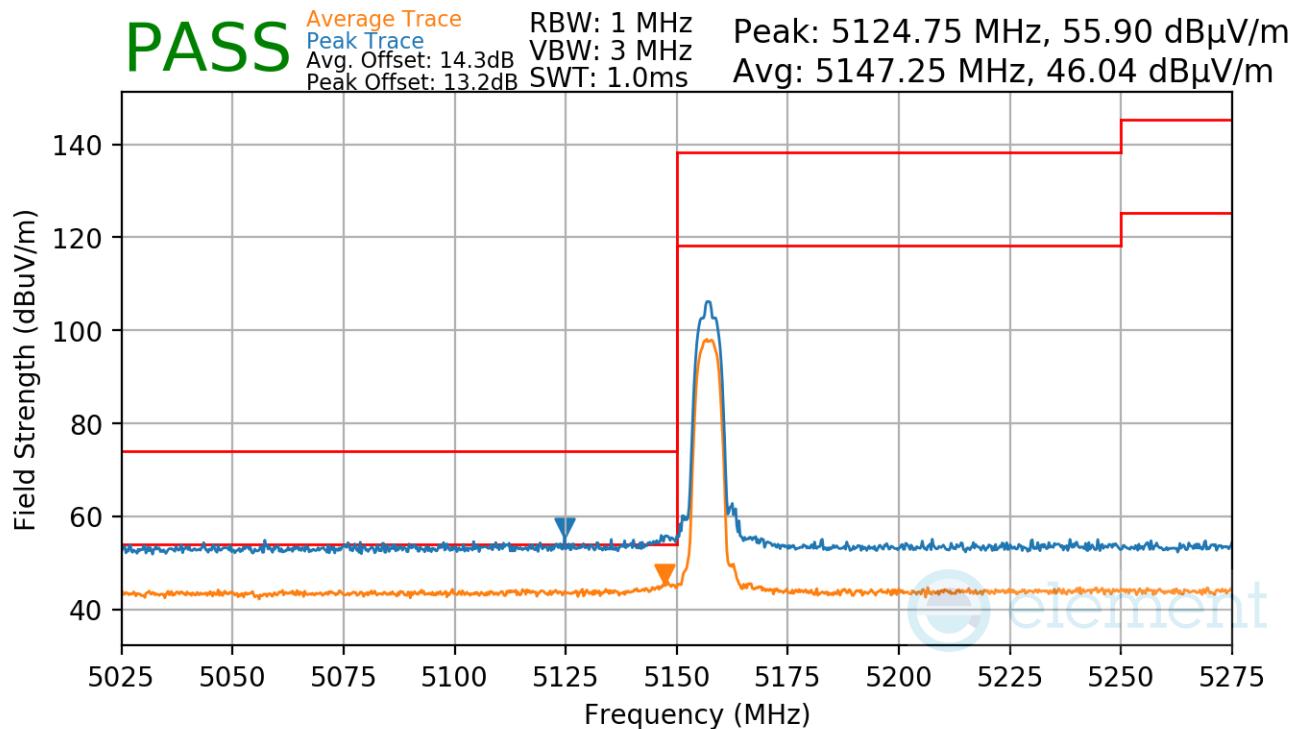
HDR8

Measurement Distance:

3 Meters

Operating Frequency:

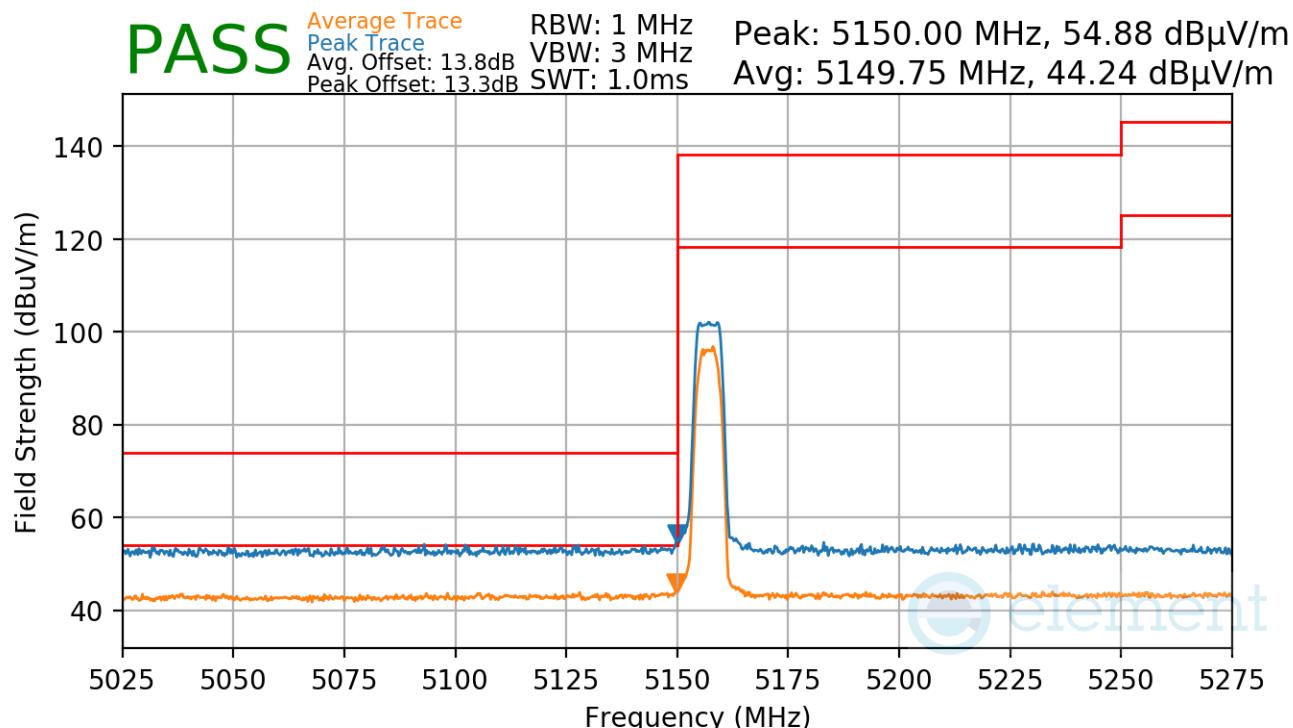
5157MHz



**Plot 7-109. Radiated Lower Band Edge Measurement**

FCC ID: BCG-A3055	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud	Page 92 of 123

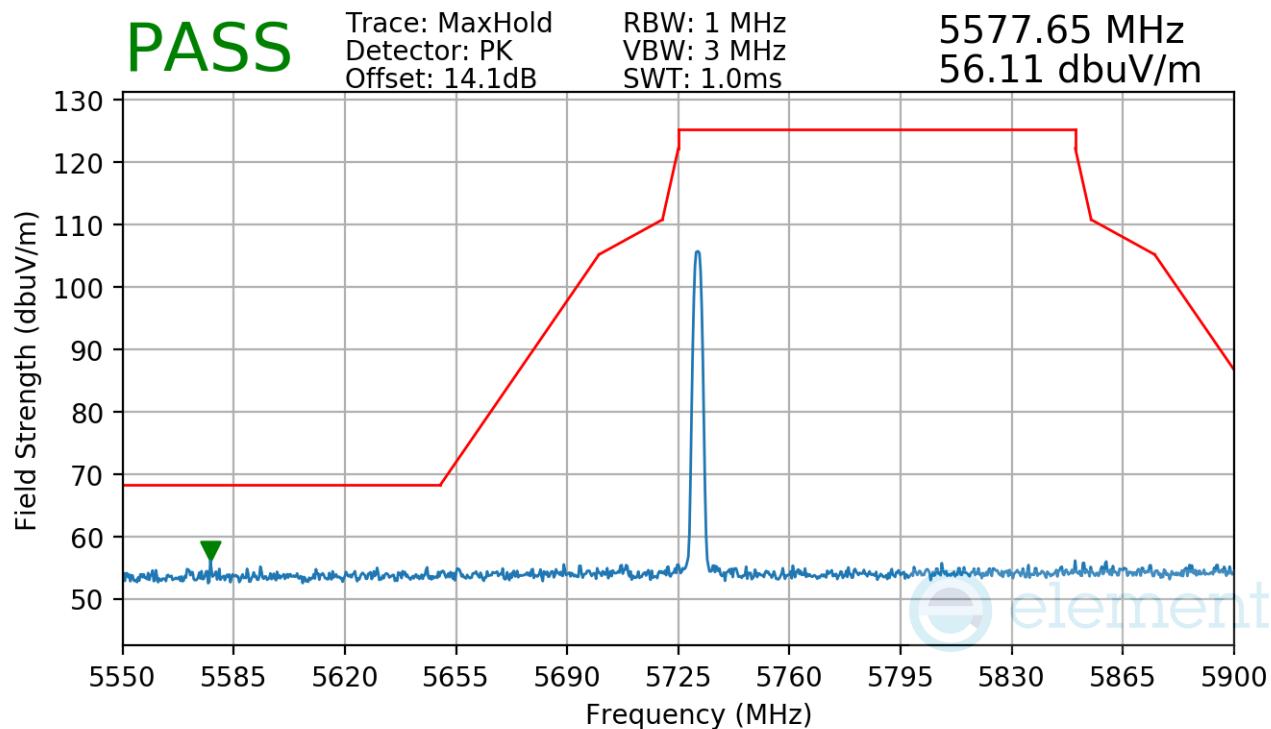
Mode: HDRp8  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5157MHz



**Plot 7-110. Radiated Lower Band Edge Measurement**

FCC ID: BCG-A3055	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud	Page 93 of 123

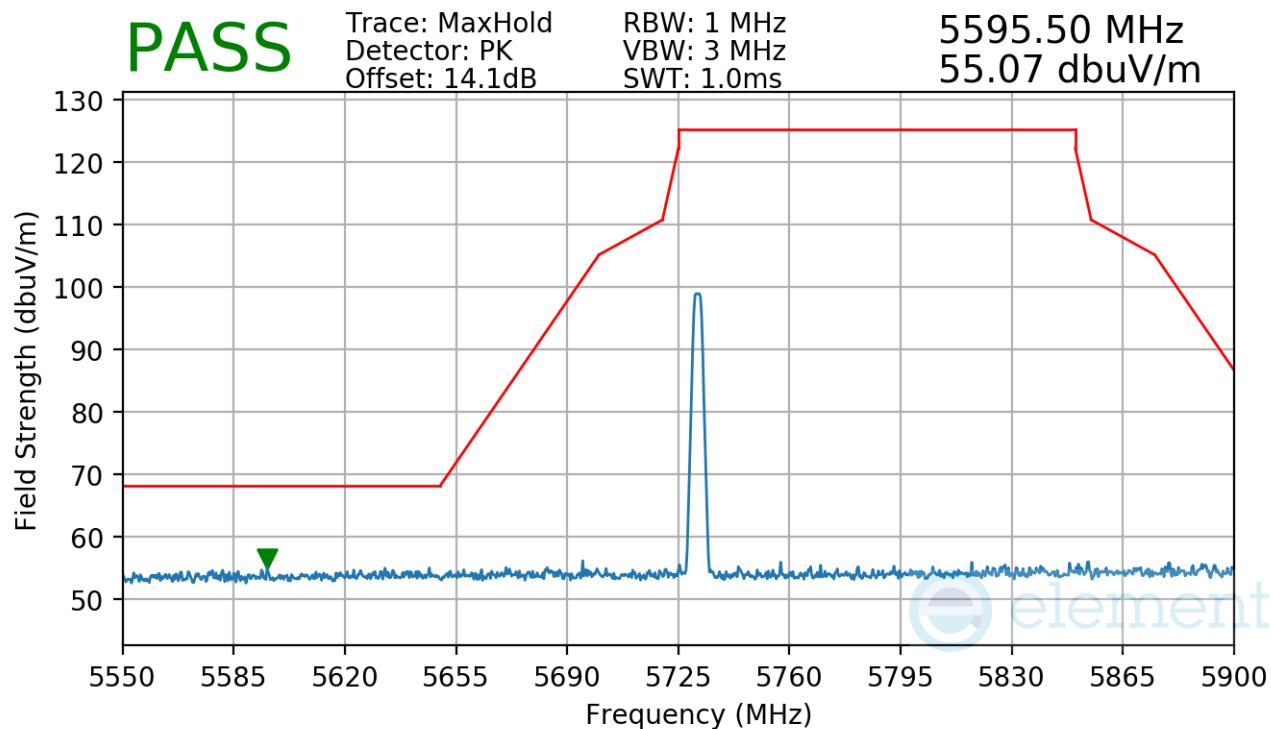
Mode: BDR  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5731MHz



**Plot 7-111. Radiated Lower Band Edge Measurement**

FCC ID: BCG-A3055	 <b>element</b>		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud		Page 94 of 123

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

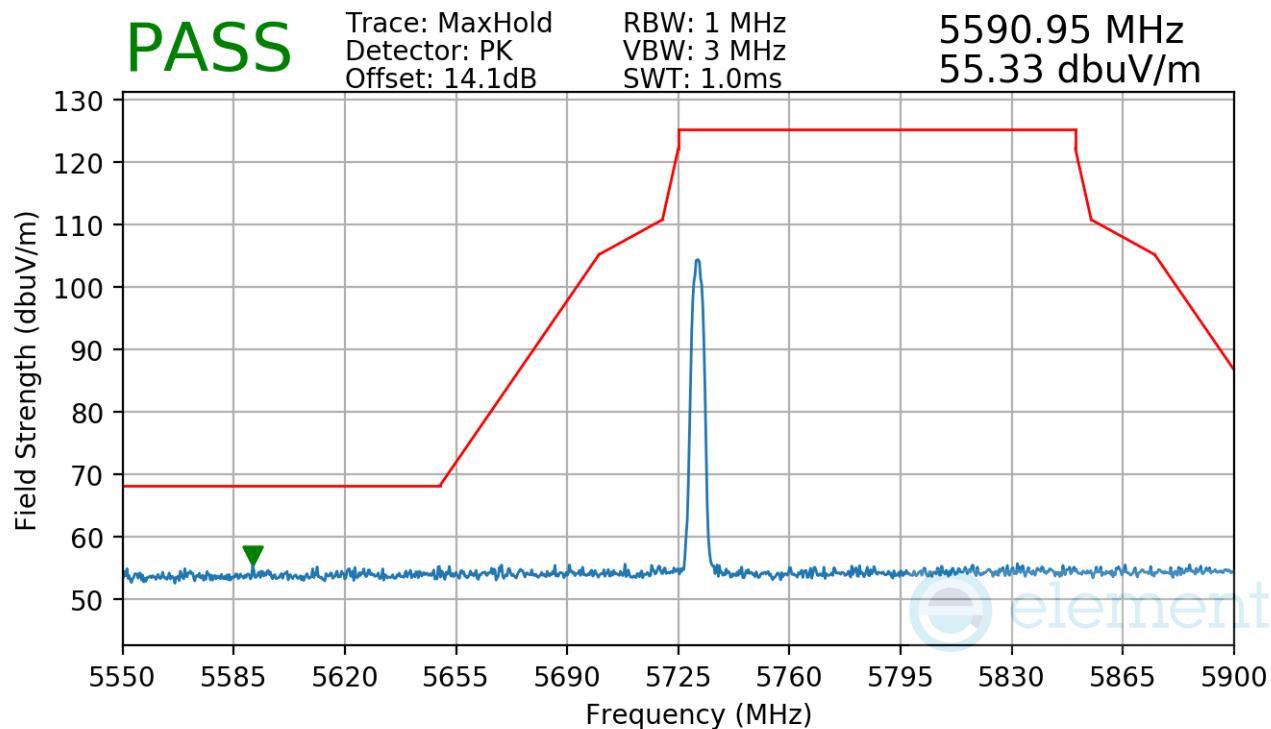


**Plot 7-112. Radiated Lower Band Edge Measurement**

FCC ID: BCG-A3055	 <b>element</b>		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud		Page 95 of 123

Mode:  
Measurement Distance:  
Operating Frequency:

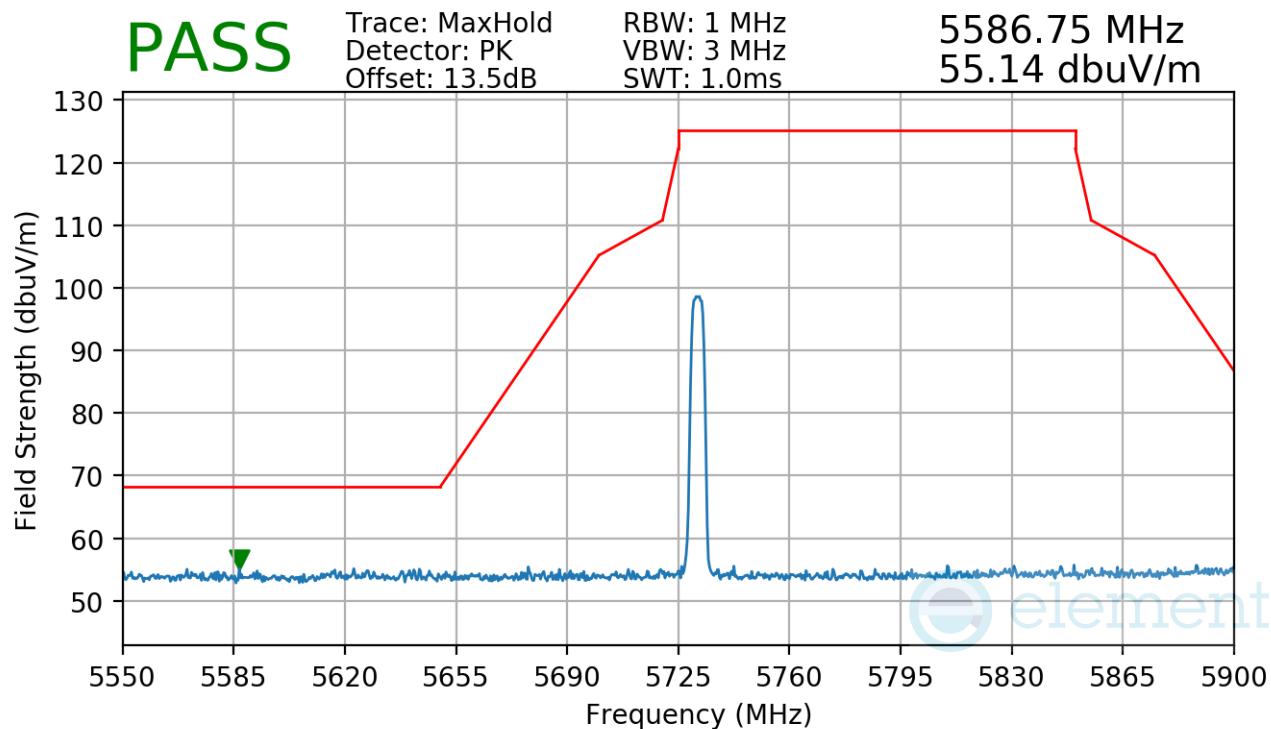
HDR4  
3 Meters  
5731MHz



**Plot 7-113. Radiated Lower Band Edge Measurement**

FCC ID: BCG-A3055	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud	Page 96 of 123

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

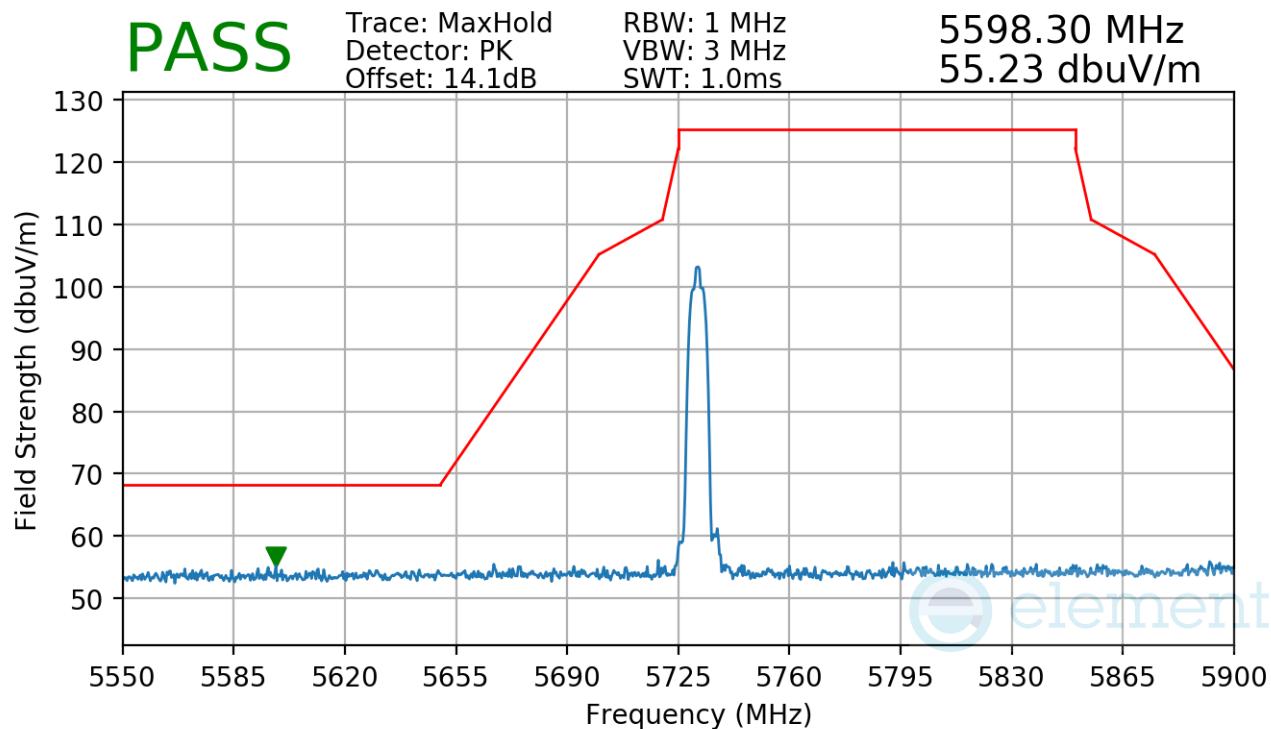


**Plot 7-114. Radiated Lower Band Edge Measurement**

FCC ID: BCG-A3055	 element		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud		Page 97 of 123

Mode:  
Measurement Distance:  
Operating Frequency:

HDR8  
3 Meters  
5731MHz

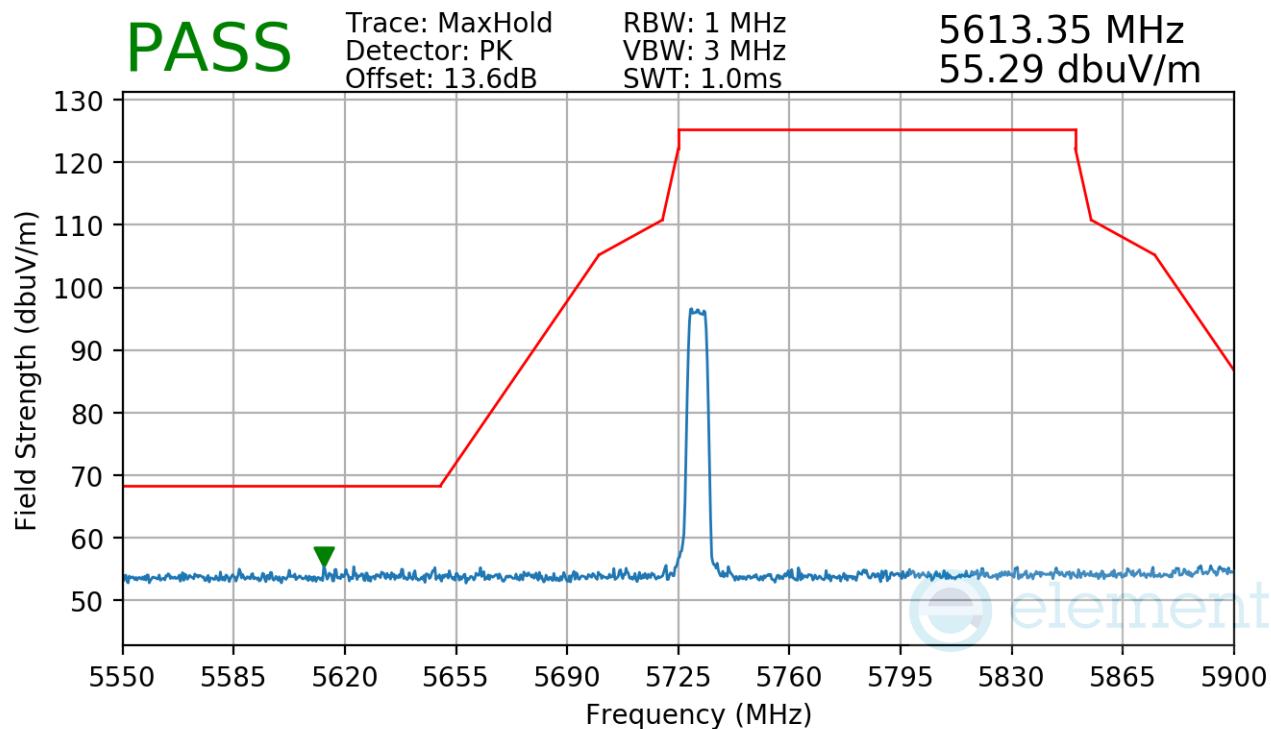


**Plot 7-115. Radiated Lower Band Edge Measurement**

FCC ID: BCG-A3055	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud	Page 98 of 123

Mode:  
Measurement Distance:  
Operating Frequency:

HDRp8  
3 Meters  
5731MHz



**Plot 7-116. Radiated Lower Band Edge Measurement**

FCC ID: BCG-A3055	 <b>element</b>		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud		Page 99 of 123

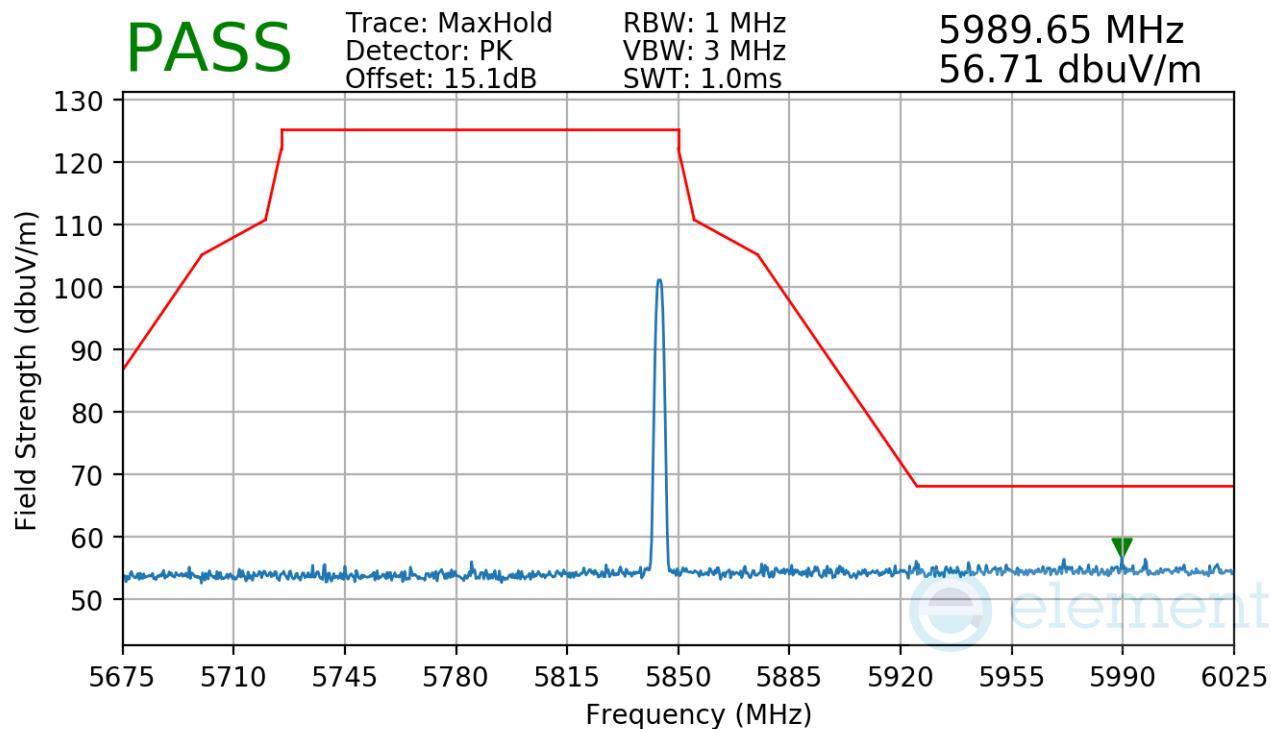
Mode:

BDR

Measurement Distance:

3 Meters

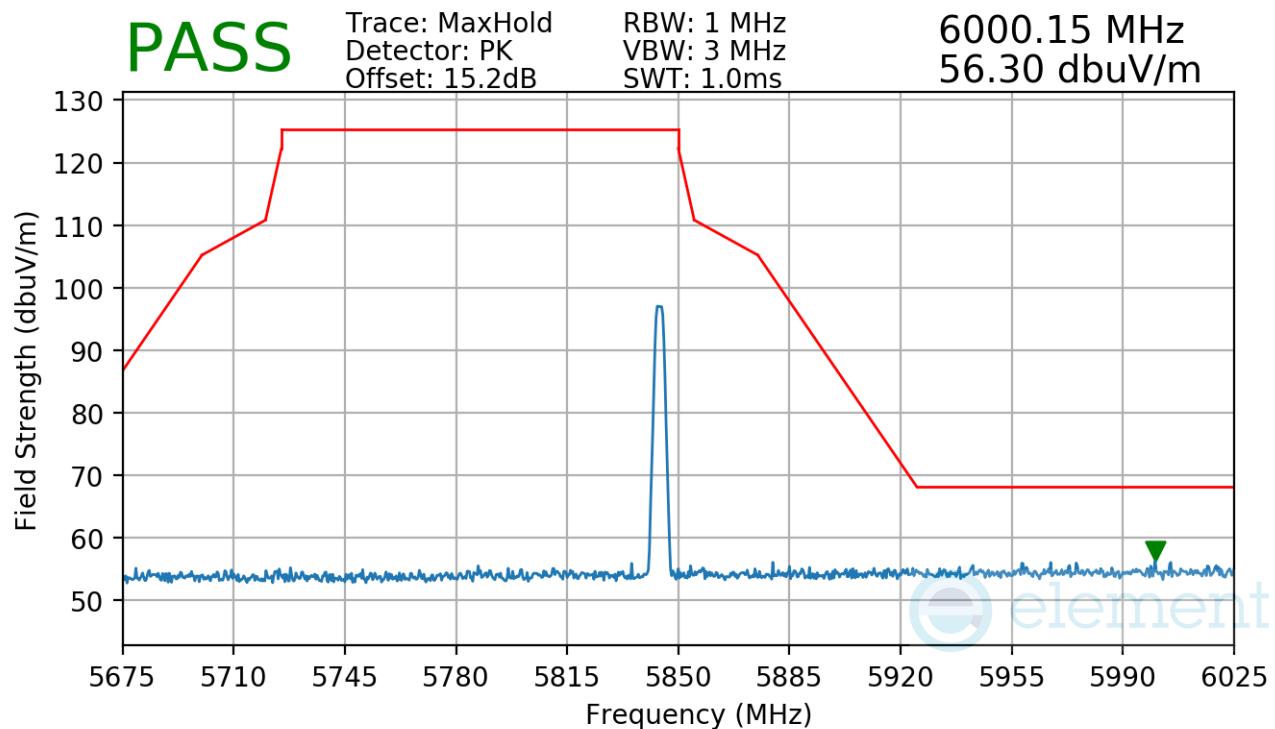
Operating Frequency:

5844MHz

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

FCC ID: BCG-A3055	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud	Page 100 of 123

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



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

FCC ID: BCG-A3055	 <b>element</b>		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud		Page 101 of 123

Mode:

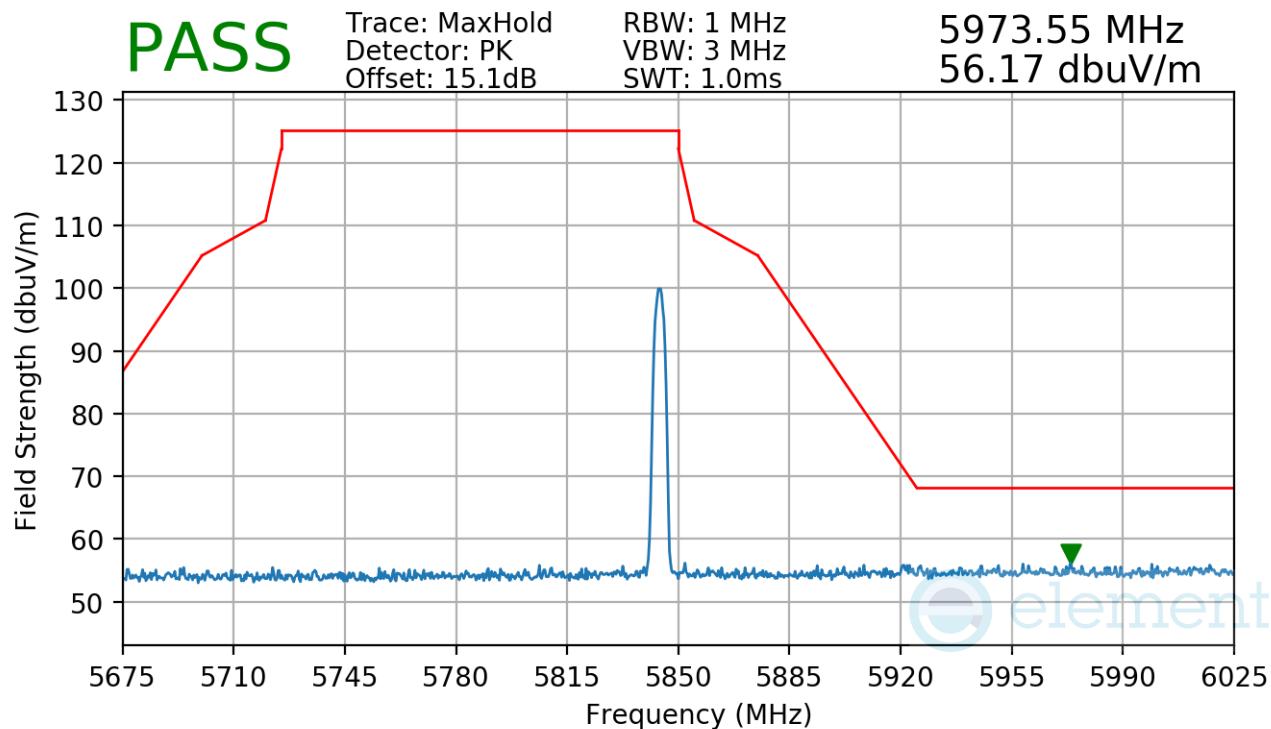
HDR4

Measurement Distance:

3 Meters

Operating Frequency:

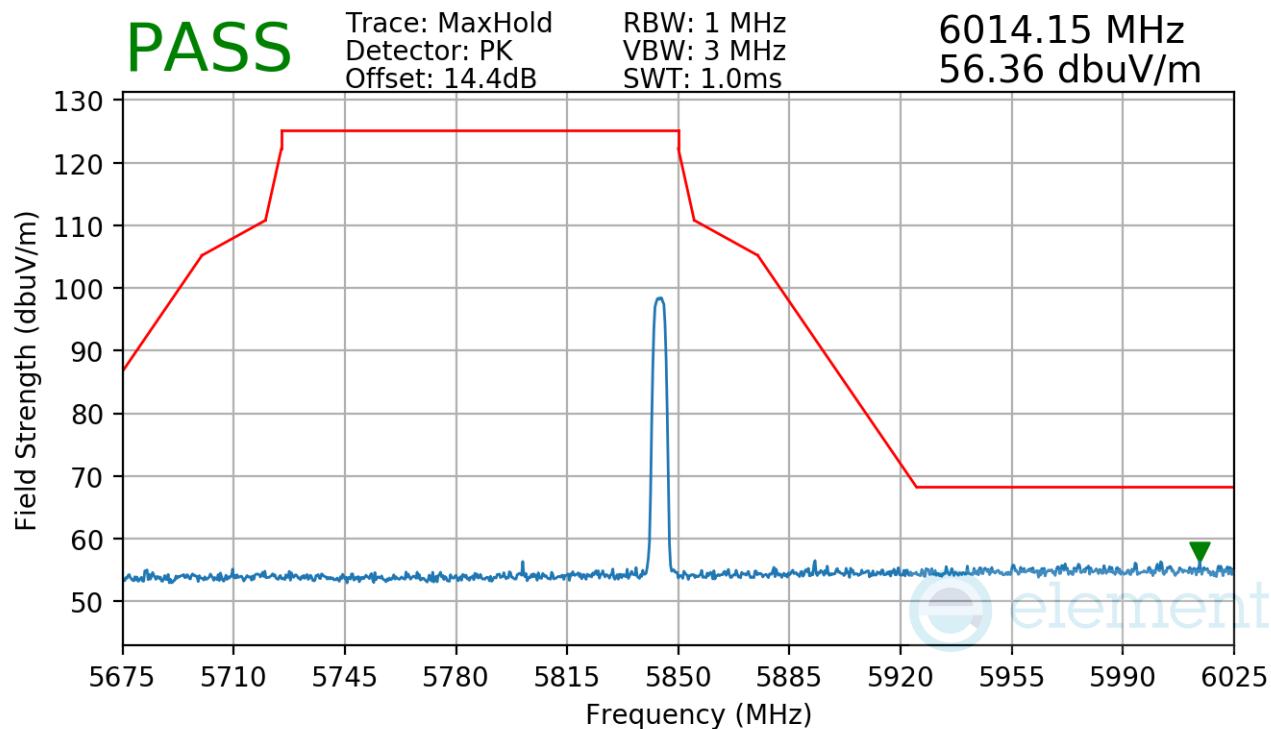
5844MHz



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

FCC ID: BCG-A3055	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud	Page 102 of 123

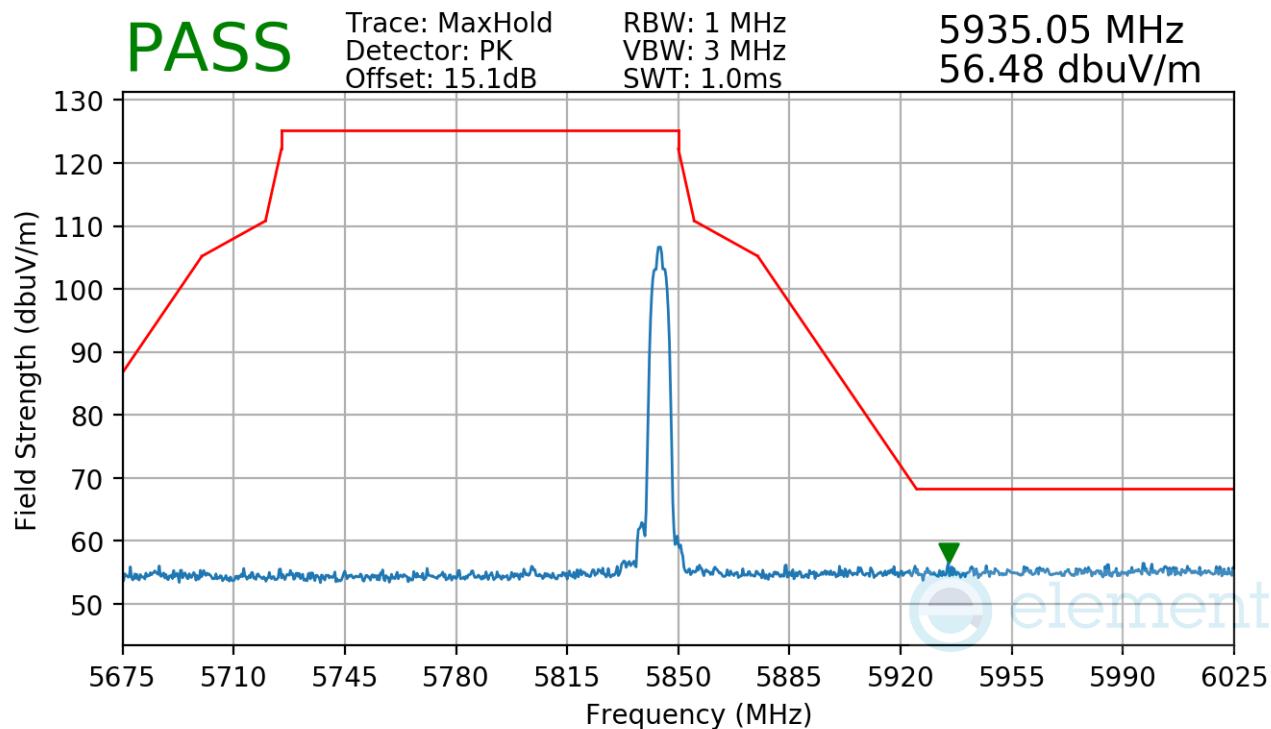
Mode: HDRp4  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5844MHz



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

FCC ID: BCG-A3055	 <b>element</b>		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud	Page 103 of 123	

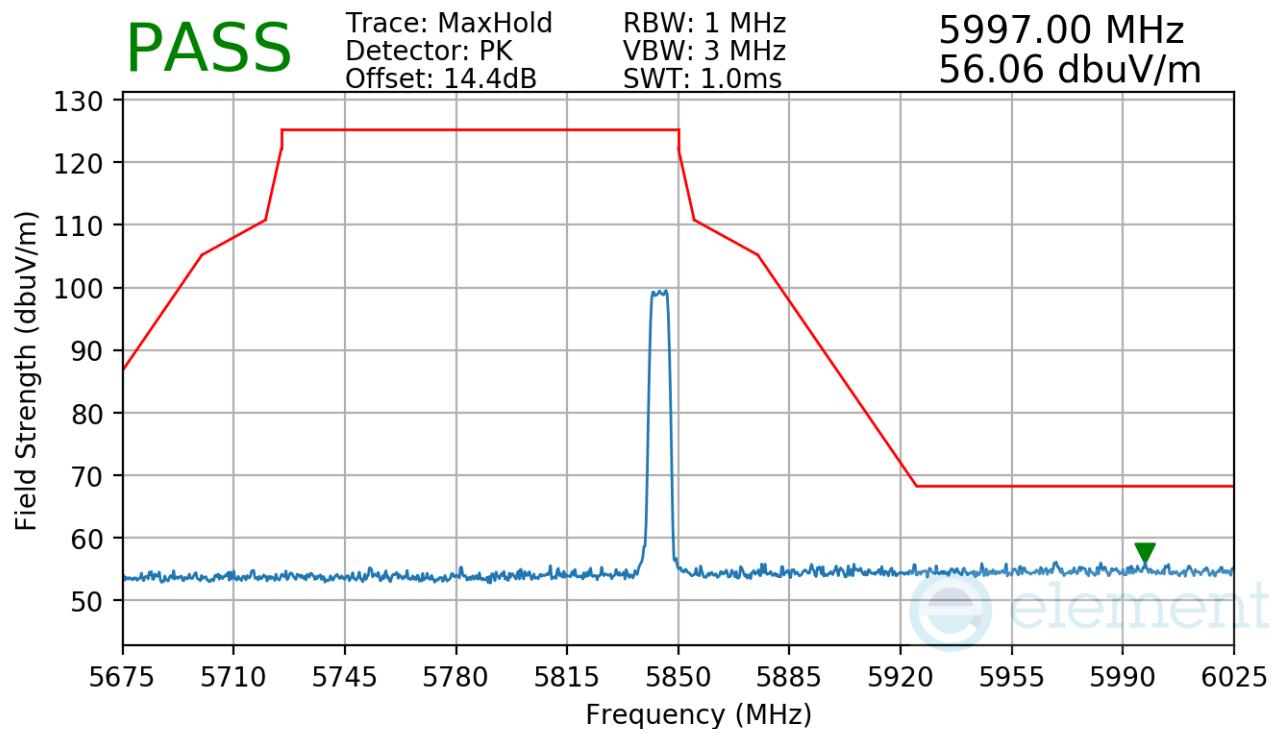
Mode: HDR8  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5844MHz



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

FCC ID: BCG-A3055	 <b>element</b>		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud		Page 104 of 123

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



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

FCC ID: BCG-A3055	 element		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud		Page 105 of 123

## 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 must not exceed the limits shown in Table 7-32 per Section 15.209.***

Frequency	Field Strength [ $\mu$ V/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

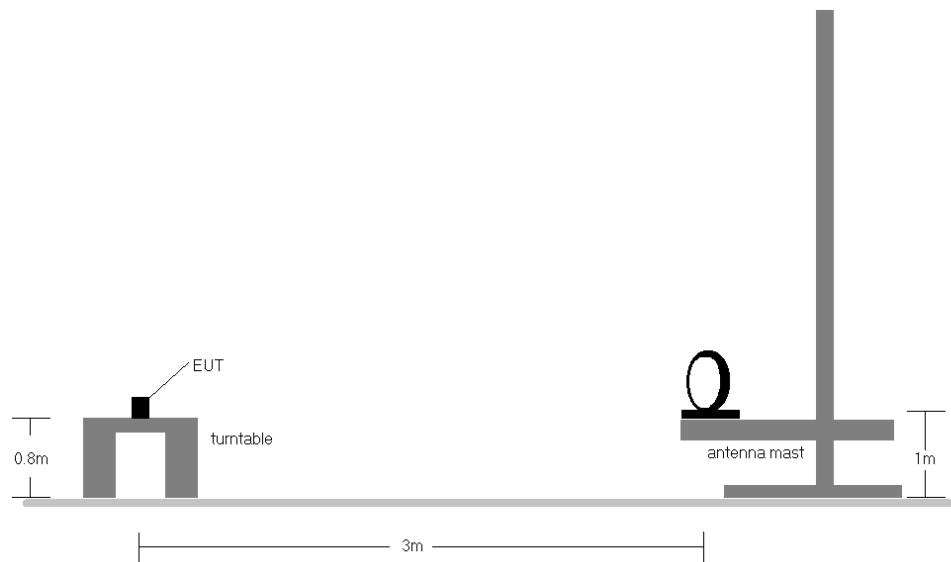
#### Peak Field Strength Measurements

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

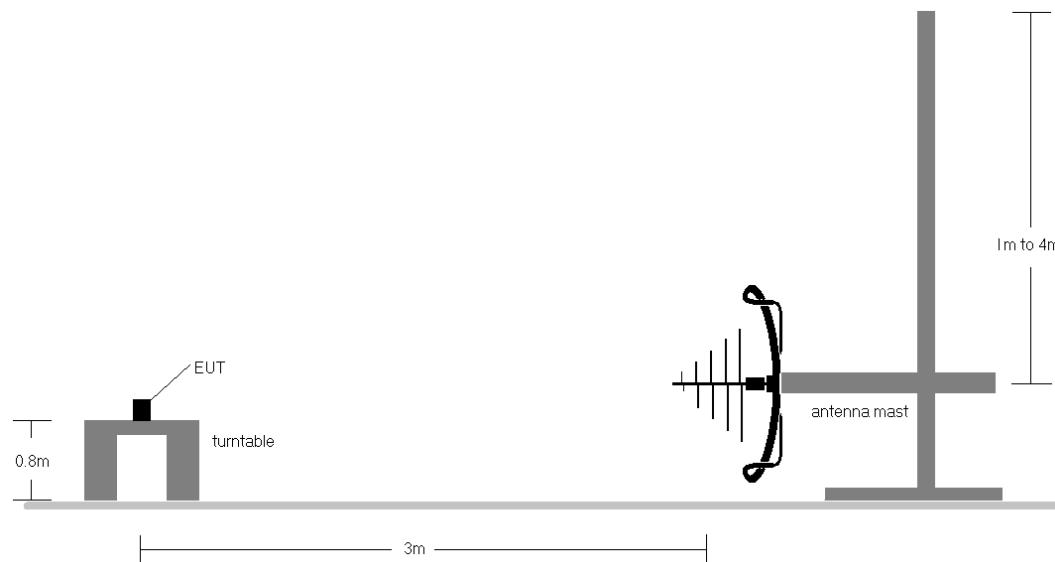
FCC ID: BCG-A3055	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud	Page 106 of 123

### 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-A3055	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud	Page 107 of 123

## 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 powered by AC/DC adaptor to USB-C cable with wire charger
  - b. EUT powered by host PC via USB-C cable with wire charger

## Sample Calculations

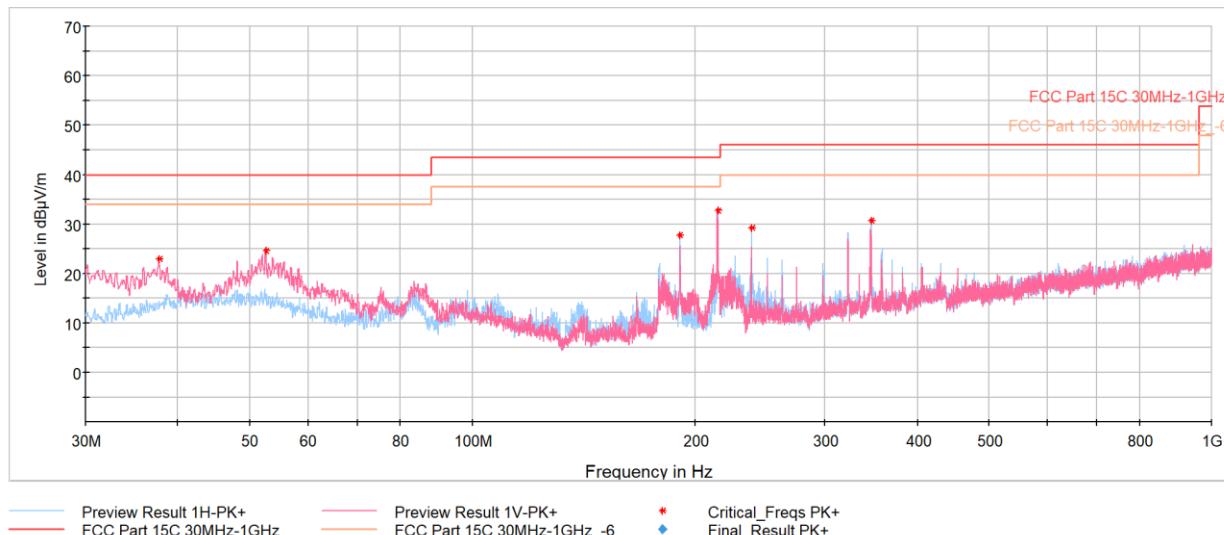
### Determining Spurious Emissions Levels

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

FCC ID: BCG-A3055	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud	Page 108 of 123

## Radiated Spurious Emissions (Below 1GHz)

§15.209

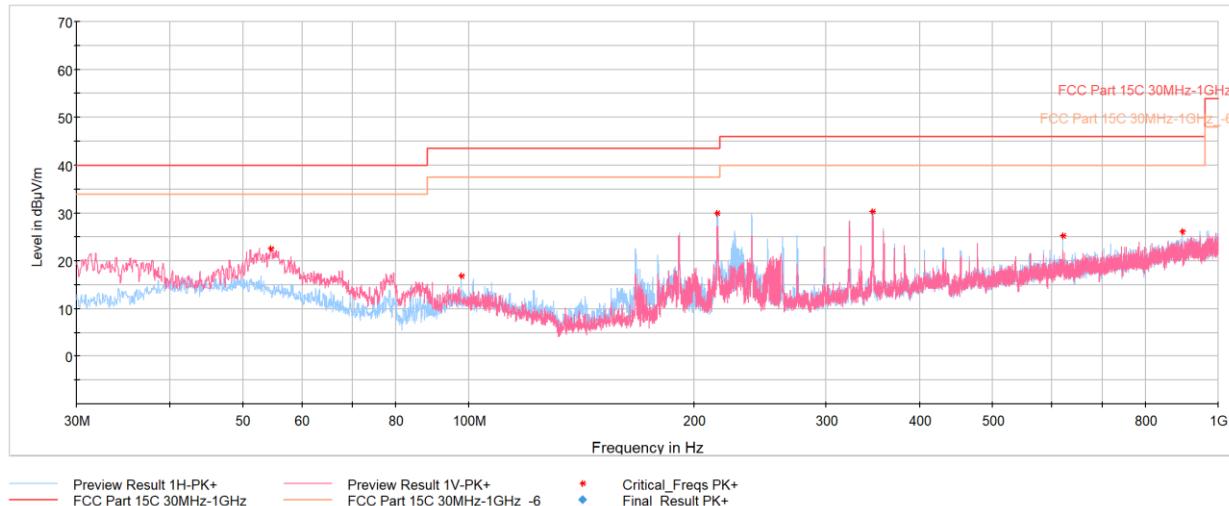


**Plot 7-123. Radiated Spurious Emissions Below 1GHz (NB UNII BDR – 5201MHz), with AC/DC Adapter and USB-C Cable**

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]
37.76	Max Peak	H	100	344	-69.02	-15.05	22.93	40.00	-17.07
52.60	Max Peak	H	100	193	-68.37	-14.05	24.58	40.00	-15.42
190.83	Max Peak	H	200	0	-61.22	-18.02	27.76	43.52	-15.76
214.74	Max Peak	H	200	138	-56.64	-17.57	32.79	43.52	-10.73
238.60	Max Peak	H	100	316	-61.40	-16.37	29.23	46.02	-16.79
346.07	Max Peak	H	100	312	-62.86	-13.41	30.73	46.02	-15.29

**Table 7-33. Radiated Spurious Emissions Below 1GHz (NB UNII BDR – 5201MHz), with AC/DC Adapter and USB-C Cable**

FCC ID: BCG-A3055	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud			

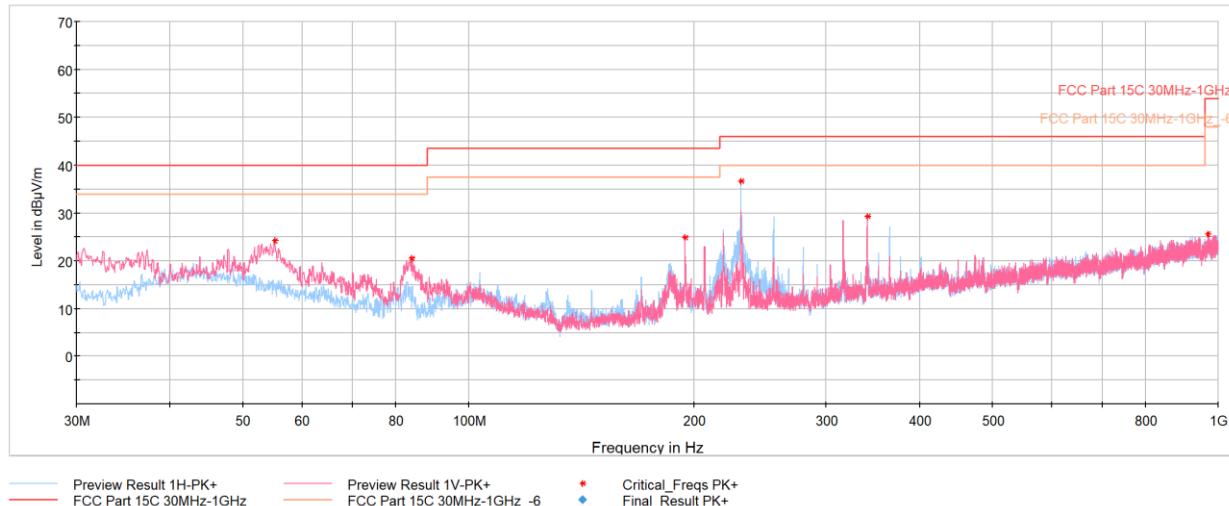


**Plot 7-124. Radiated Spurious Emissions Below 1GHz (NB UNII LE2M – 5157MHz), with AC/DC Adapter and USB-C Cable**

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]
54.59	Max Peak	V	100	62	-70.05	-14.42	22.53	40.00	-17.47
97.90	Max Peak	H	200	358	-72.80	-17.35	16.85	43.52	-26.67
214.79	Max Peak	H	100	321	-59.58	-17.57	29.85	43.52	-13.67
346.07	Max Peak	H	100	4	-63.34	-13.41	30.25	46.02	-15.77
620.54	Max Peak	H	100	302	-73.17	-8.54	25.29	46.02	-20.73
894.27	Max Peak	H	200	318	-77.13	-3.82	26.05	46.02	-19.97

**Table 7-34. Radiated Spurious Emissions Below 1GHz (NB UNII LE2M – 5157MHz), with AC/DC Adapter and USB-C Cable**

FCC ID: BCG-A3055	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud			

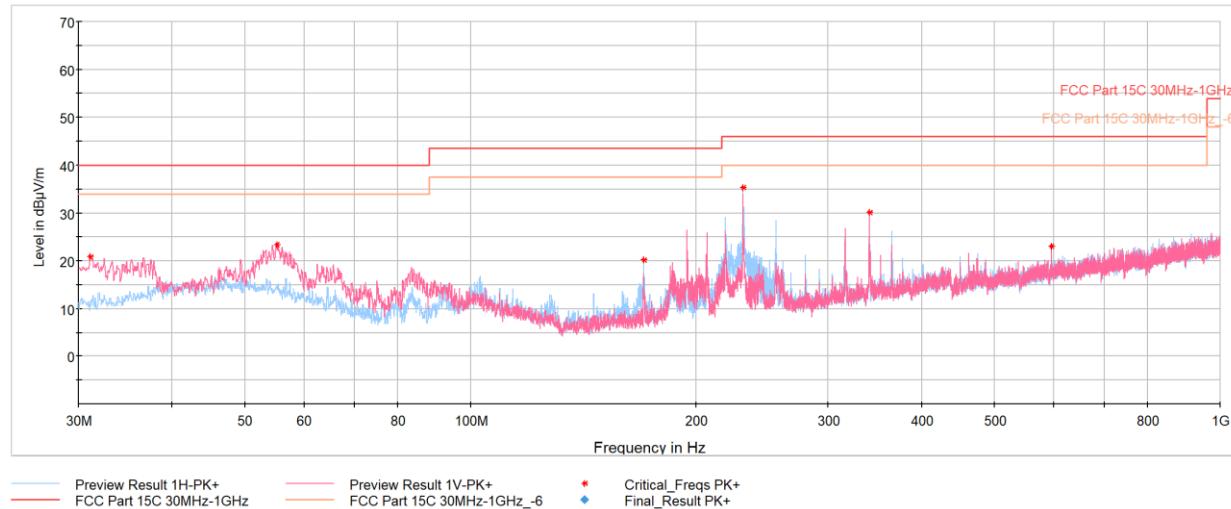


**Plot 7-125. Radiated Spurious Emissions Below 1GHz (NB UNII HDR4 – 5201MHz), with AC/DC Adapter and USB-C Cable**

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]
55.17	Max Peak	V	100	348	-68.12	-14.60	24.28	40.00	-15.72
84.13	Max Peak	V	100	57	-65.85	-20.70	20.45	40.00	-19.55
194.37	Max Peak	V	100	79	-64.67	-17.50	24.83	43.52	-18.69
230.84	Max Peak	H	100	318	-53.71	-16.60	36.69	46.02	-9.33
340.45	Max Peak	H	100	132	-64.14	-13.60	29.26	46.02	-16.76
967.65	Max Peak	V	300	155	-77.98	-3.40	25.62	53.98	-28.36

**Table 7-35. Radiated Spurious Emissions Below 1GHz (NB UNII HDR4 – 5201MHz), with AC/DC Adapter and USB-C Cable**

FCC ID: BCG-A3055	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud			



**Plot 7-126. Radiated Spurious Emissions Below 1GHz (NB UNII HDRp4 – 5245MHz), with AC/DC Adapter and USB-C Cable**

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]
31.12	Max Peak	V	100	153	-69.36	-16.80	20.84	40.00	-19.16
55.17	Max Peak	V	100	19	-69.00	-14.60	23.40	40.00	-16.60
170.21	Max Peak	H	100	214	-67.15	-19.70	20.15	43.52	-23.37
230.98	Max Peak	H	100	305	-55.06	-16.60	35.34	46.02	-10.68
340.45	Max Peak	V	100	246	-63.35	-13.60	30.05	46.02	-15.97
595.56	Max Peak	V	100	94	-75.62	-8.40	22.98	46.02	-23.04

**Table 7-36. Radiated Spurious Emissions Below 1GHz (NB UNII HDRp4 – 5245MHz), with AC/DC Adapter and USB-C Cable**

FCC ID: BCG-A3055	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud			

## 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 (dB $\mu$ V)	
	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

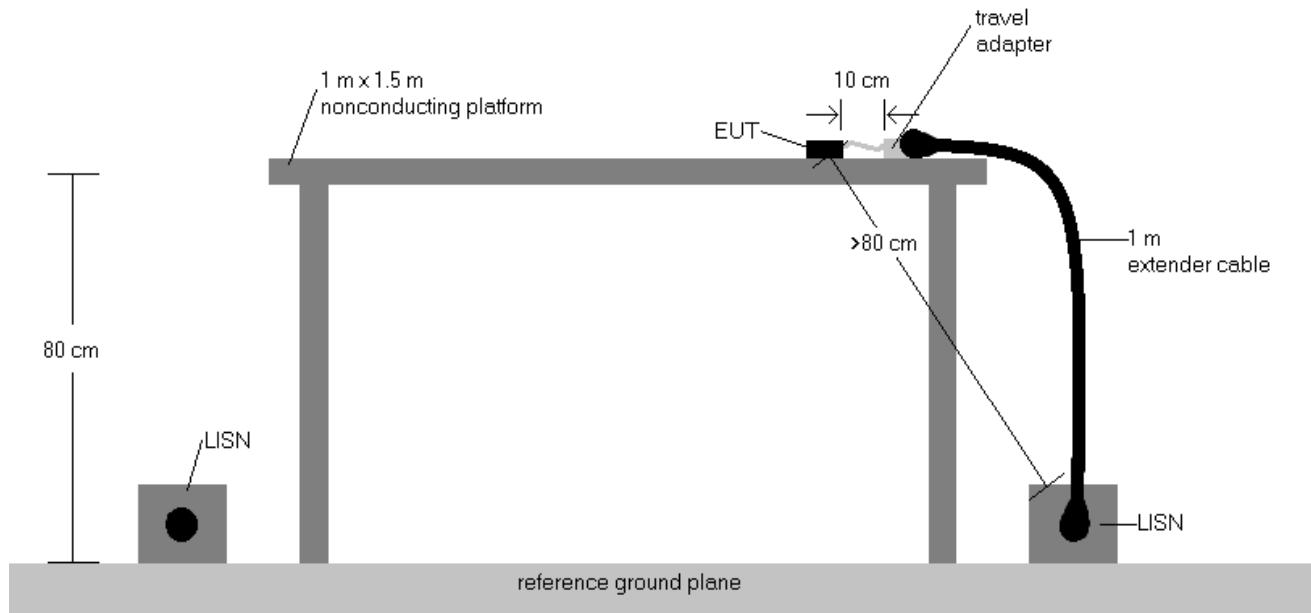
#### Average Measurements

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-A3055	 element		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud	Page 113 of 123	

## Test Setup

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

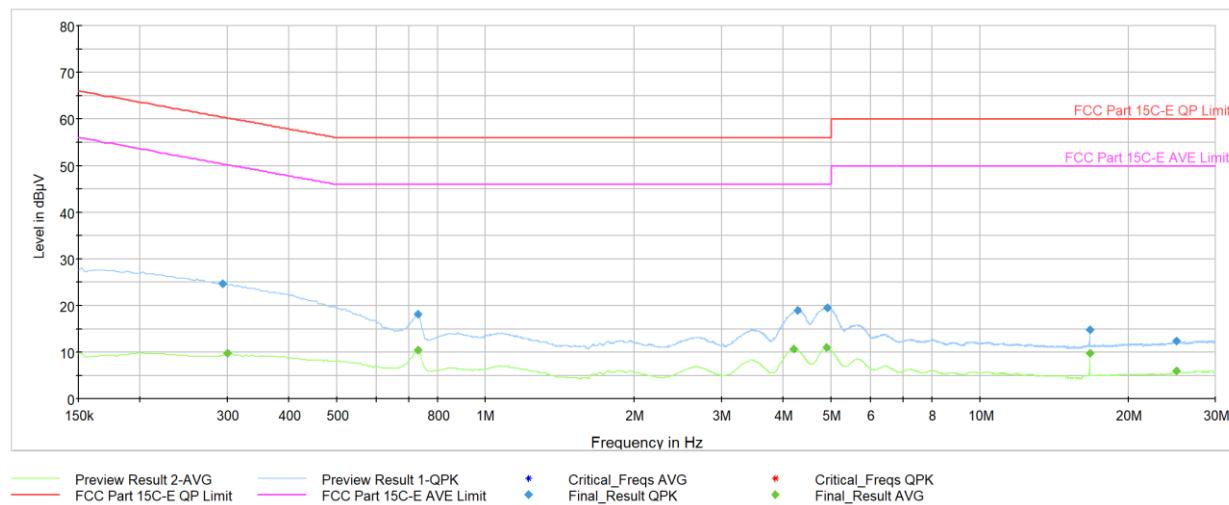


**Figure 7-8. Test Instrument & Measurement Setup**

## Test Notes

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

FCC ID: BCG-A3055	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud	Page 114 of 123

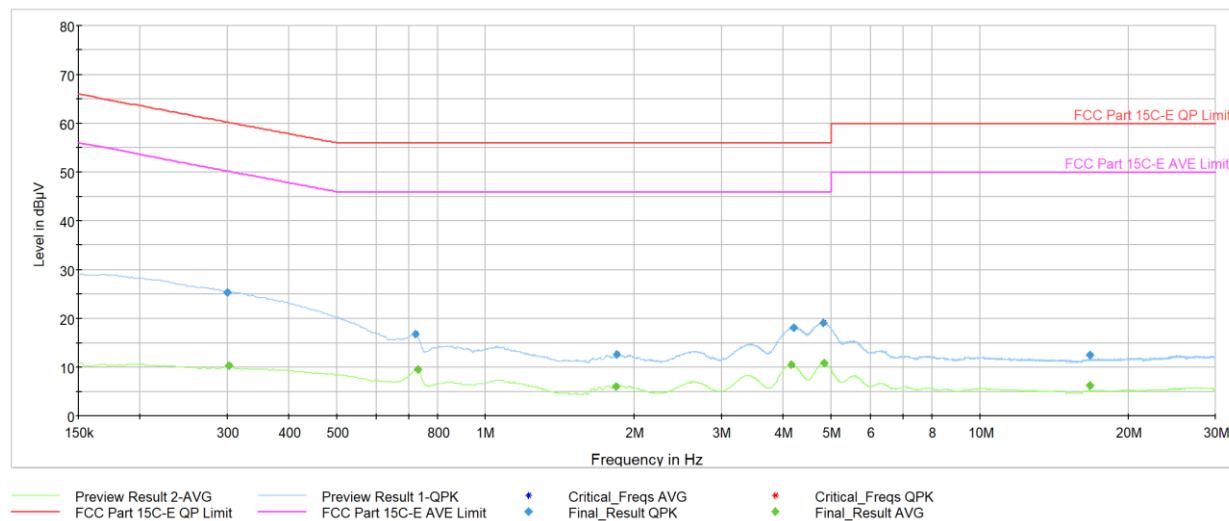


**Plot 7-127. AC Line Conducted Plot (NB UNII BDR – 5201MHz) (L1) with AC/DC Adapter and USB-C Cable**

Frequency [MHz]	Process State	QuasiPeak [dB $\mu$ V]	Average [dB $\mu$ V]	Limit [dB $\mu$ V]	Margin [dB]	Line	PE
0.294	FINAL	24.7	—	60.41	-35.72	L1	GND
0.301	FINAL	—	9.79	50.22	-40.43	L1	GND
0.731	FINAL	—	10.54	46.00	-35.46	L1	GND
0.731	FINAL	18.1	—	56.00	-37.93	L1	GND
4.205	FINAL	—	10.70	46.00	-35.30	L1	GND
4.281	FINAL	19.0	—	56.00	-37.05	L1	GND
4.891	FINAL	—	10.97	46.00	-35.03	L1	GND
4.909	FINAL	19.5	—	56.00	-36.55	L1	GND
16.674	FINAL	14.8	—	60.00	-45.17	L1	GND
16.674	FINAL	—	9.85	50.00	-40.15	L1	GND
25.010	FINAL	—	6.01	50.00	-43.99	L1	GND
25.010	FINAL	12.5	—	60.00	-47.51	L1	GND

**Table 7-38. AC Line Conducted Data (NB UNII BDR – 5201MHz) (L1) with AC/DC Adapter and USB-C Cable**

FCC ID: BCG-A3055		MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud			

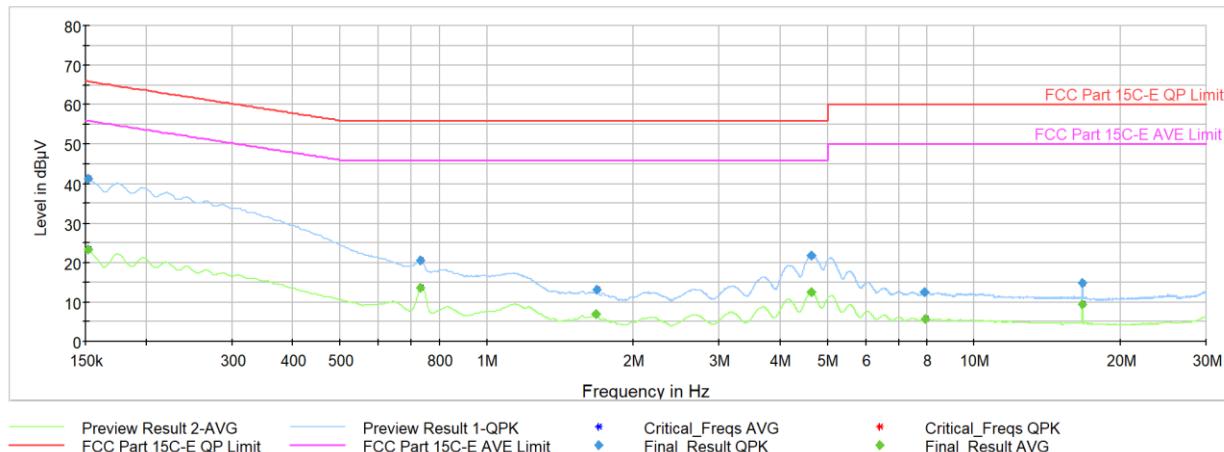


**Plot 7-128. AC Line Conducted Plot (NB UNII BDR – 5201MHz) (N) with AC/DC Adapter and USB-C Cable**

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.301	FINAL	25.4	—	60.22	-34.79	N	GND
0.303	FINAL	—	10.32	50.16	-39.84	N	GND
0.722	FINAL	16.7	—	56.00	-39.29	N	GND
0.731	FINAL	—	9.61	46.00	-36.39	N	GND
1.831	FINAL	—	6.12	46.00	-39.88	N	GND
1.840	FINAL	12.7	—	56.00	-43.29	N	GND
4.151	FINAL	—	10.48	46.00	-35.52	N	GND
4.207	FINAL	18.2	—	56.00	-37.85	N	GND
4.819	FINAL	19.1	—	56.00	-36.92	N	GND
4.844	FINAL	—	10.84	46.00	-35.16	N	GND
16.670	FINAL	12.4	—	60.00	-47.56	N	GND
16.672	FINAL	—	6.17	50.00	-43.83	N	GND

**Table 7-39. AC Line Conducted (NB UNII BDR – 5201MHz) (N) with AC/DC Adapter and USB-C Cable**

FCC ID: BCG-A3055	 <b>element</b> <b>MEASUREMENT REPORT (CERTIFICATION)</b>			Approved by: Technical Manager
<b>Test Report S/N:</b> 1C2405230025-06.BCG	<b>Test Dates:</b> 6/26/2024 - 8/16/2024	<b>EUT Type:</b> Wireless Earbud		Page 116 of 123

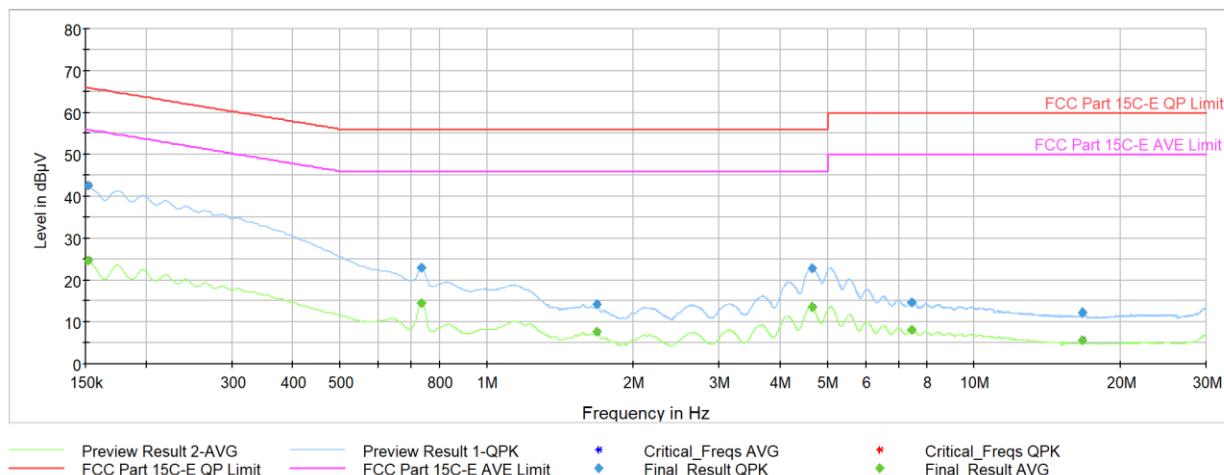


**Plot 7-129. AC Line Conducted Plot (NB UNII LE2M – 5157MHz) (L1) with AC/DC Adapter and USB-C Cable**

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.152	FINAL	—	23.47	55.88	-32.40	L1	GND
0.152	FINAL	41.4	—	55.88	-24.53	L1	GND
0.731	FINAL	—	13.70	46.00	-32.30	L1	GND
0.731	FINAL	20.7	—	56.00	-35.32	L1	GND
1.676	FINAL	—	6.98	46.00	-39.02	L1	GND
1.678	FINAL	13.2	—	56.00	-42.78	L1	GND
4.632	FINAL	—	12.42	46.00	-33.58	L1	GND
4.634	FINAL	21.8	—	56.00	-34.19	L1	GND
7.922	FINAL	12.5	—	60.00	-47.51	L1	GND
7.931	FINAL	—	5.78	50.00	-44.22	L1	GND
16.717	FINAL	—	9.61	50.00	-40.39	L1	GND
16.717	FINAL	14.9	—	60.00	-45.11	L1	GND

**Table 7-40. AC Line Conducted Data (NB UNII LE2M – 5157MHz) (L1) with AC/DC Adapter and USB-C Cable**

FCC ID: BCG-A3055	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud			

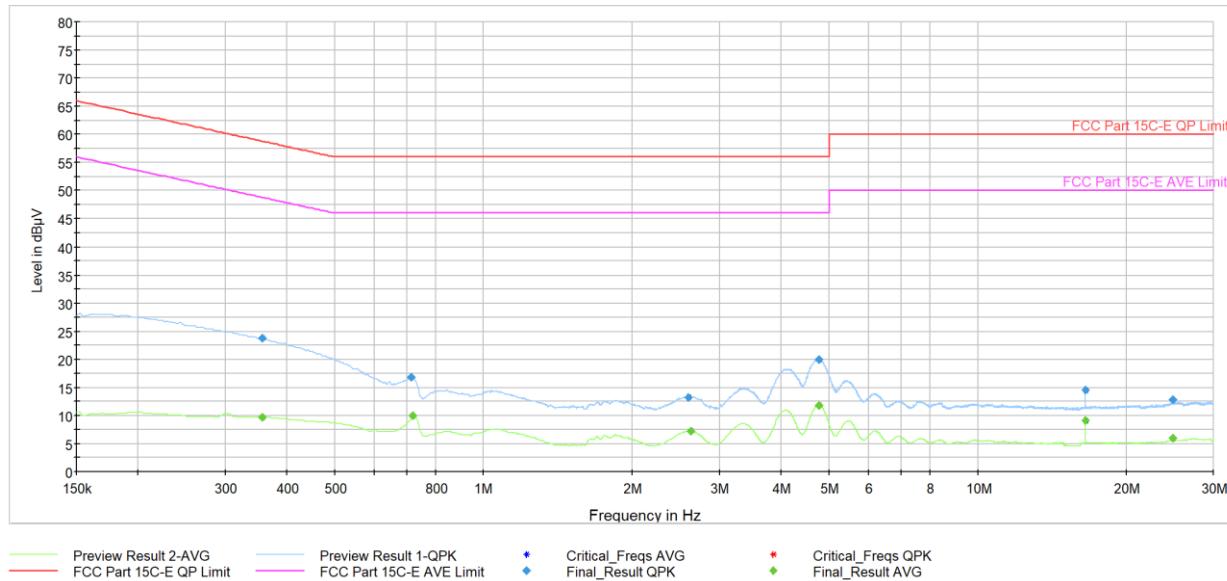


**Plot 7-130. AC Line Conducted Plot (NB UNII LE2M – 5157MHz) (N) with AC/DC Adapter and USB-C Cable**

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.152	FINAL	—	24.79	55.88	-31.09	N	GND
0.152	FINAL	42.5	—	65.88	-23.34	N	GND
0.733	FINAL	—	14.47	46.00	-31.53	N	GND
0.733	FINAL	23.0	—	56.00	-33.03	N	GND
1.678	FINAL	14.3	—	56.00	-41.71	N	GND
1.678	FINAL	—	7.67	46.00	-38.33	N	GND
4.648	FINAL	—	13.56	46.00	-32.44	N	GND
4.652	FINAL	22.8	—	56.00	-33.23	N	GND
7.447	FINAL	—	8.03	50.00	-41.97	N	GND
7.456	FINAL	14.7	—	60.00	-45.29	N	GND
16.717	FINAL	—	5.69	50.00	-44.31	N	GND
16.717	FINAL	12.2	—	60.00	-47.85	N	GND

**Table 7-41. AC Line Conducted (NB UNII LE2M – 5157MHz) (N) with AC/DC Adapter and USB-C Cable**

FCC ID: BCG-A3055	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud			

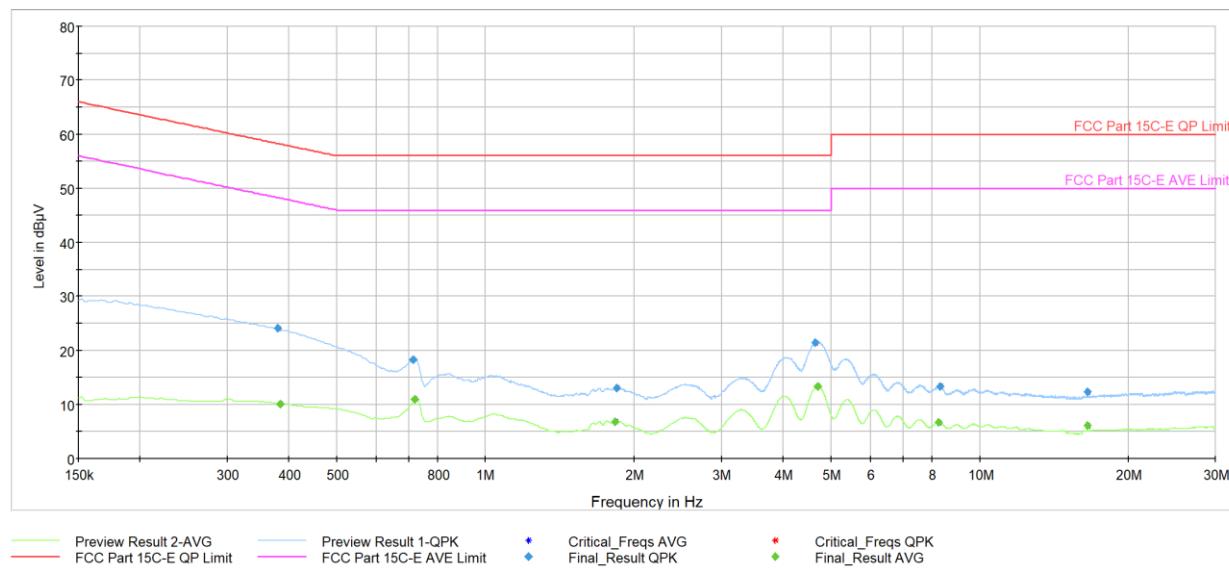


**Plot 7-131. AC Line Conducted Plot (NB UNII HDR4 – 5201MHz) (L1) with AC/DC Adapter and USB-C Cable**

Frequency [MHz]	Process State	QuasiPeak [dB $\mu$ V]	Average [dB $\mu$ V]	Limit [dB $\mu$ V]	Margin [dB]	Line	PE
0.357	FINAL	—	9.71	48.80	-39.08	L1	GND
0.357	FINAL	23.8	—	58.80	-35.01	L1	GND
0.713	FINAL	16.9	—	56.00	-39.15	L1	GND
0.719	FINAL	—	9.91	46.00	-36.09	L1	GND
2.598	FINAL	13.3	—	56.00	-42.67	L1	GND
2.627	FINAL	—	7.21	46.00	-38.79	L1	GND
4.765	FINAL	20.0	—	56.00	-36.02	L1	GND
4.765	FINAL	—	11.90	46.00	-34.10	L1	GND
16.528	FINAL	14.6	—	60.00	-45.40	L1	GND
16.530	FINAL	—	9.18	50.00	-40.82	L1	GND
24.790	FINAL	12.8	—	60.00	-47.21	L1	GND
24.792	FINAL	—	6.00	50.00	-44.00	L1	GND

**Table 7-42. AC Line Conducted Data (NB UNII HDR4 – 5201MHz) (L1) with AC/DC Adapter and USB-C Cable**

FCC ID: BCG-A3055	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud			

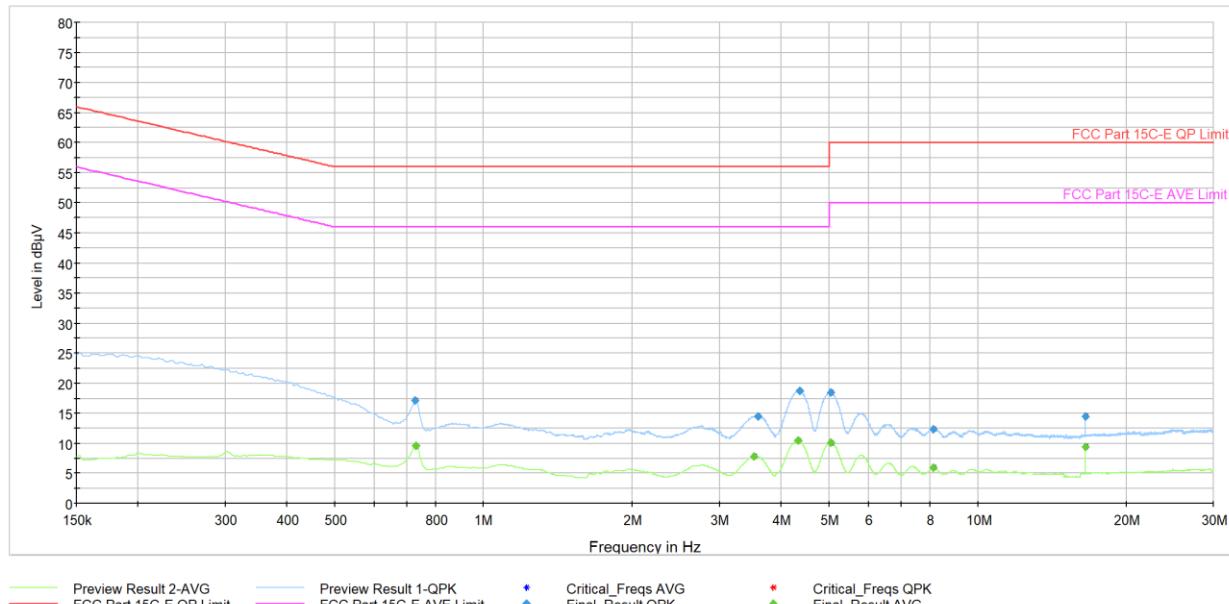


**Plot 7-132. AC Line Conducted Plot (NB UNII HDR4 – 5201MHz) (N) with AC/DC Adapter and USB-C Cable**

Frequency [MHz]	Process State	QuasiPeak [dB $\mu$ V]	Average [dB $\mu$ V]	Limit [dB $\mu$ V]	Margin [dB]	Line	PE
0.380	FINAL	24.1	—	58.29	-34.15	N	GND
0.384	FINAL	—	10.17	48.19	-38.02	N	GND
0.713	FINAL	18.3	—	56.00	-37.67	N	GND
0.719	FINAL	—	10.96	46.00	-35.04	N	GND
1.826	FINAL	—	6.81	46.00	-39.19	N	GND
1.838	FINAL	13.1	—	56.00	-42.93	N	GND
4.650	FINAL	21.4	—	56.00	-34.57	N	GND
4.704	FINAL	—	13.32	46.00	-32.68	N	GND
8.241	FINAL	—	6.72	50.00	-43.28	N	GND
8.320	FINAL	13.3	—	60.00	-46.69	N	GND
16.528	FINAL	—	6.13	50.00	-43.87	N	GND
16.528	FINAL	12.3	—	60.00	-47.71	N	GND

**Table 7-43. AC Line Conducted (NB UNII HDR4 – 5201MHz) (N) with AC/DC Adapter and USB-C Cable**

FCC ID: BCG-A3055	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud			Page 120 of 123

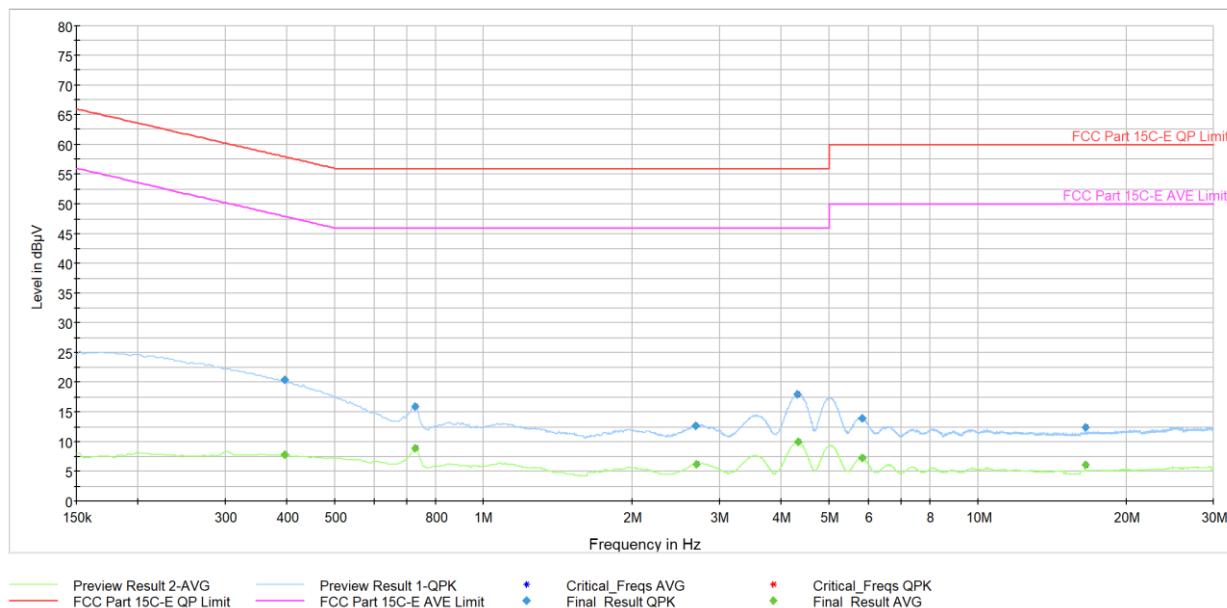


**Plot 7-133. AC Line Conducted Plot (NB UNII HDRp4 – 5245MHz) (L1) with AC/DC Adapter and USB-C Cable**

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.728	FINAL	17.1	—	56.00	-38.88	L1	GND
0.731	FINAL	—	9.64	46.00	-36.36	L1	GND
3.523	FINAL	—	7.87	46.00	-38.13	L1	GND
3.595	FINAL	14.6	—	56.00	-41.43	L1	GND
4.331	FINAL	—	10.48	46.00	-35.52	L1	GND
4.351	FINAL	18.8	—	56.00	-37.20	L1	GND
5.033	FINAL	18.5	—	60.00	-41.46	L1	GND
5.039	FINAL	—	10.10	50.00	-39.90	L1	GND
8.124	FINAL	—	5.93	50.00	-44.07	L1	GND
8.135	FINAL	12.4	—	60.00	-47.58	L1	GND
16.521	FINAL	—	9.43	50.00	-40.57	L1	GND
16.521	FINAL	14.5	—	60.00	-45.53	L1	GND

**Table 7-44. AC Line Conducted Data (NB UNII HDRp4 – 5245MHz) (L1) with AC/DC Adapter and USB-C Cable**

FCC ID: BCG-A3055	 <b>element</b> <b>MEASUREMENT REPORT (CERTIFICATION)</b>			Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud		Page 121 of 123



**Plot 7-134. AC Line Conducted Plot (NB UNII HDRp4 – 5201MHz) (N) with AC/DC Adapter and USB-C Cable**

Frequency [MHz]	Process State	QuasiPeak [dB $\mu$ V]	Average [dB $\mu$ V]	Limit [dB $\mu$ V]	Margin [dB]	Line	PE
0.395	FINAL	—	7.82	47.95	-40.13	N	GND
0.395	FINAL	20.4	—	57.95	-37.52	N	GND
0.728	FINAL	—	8.97	46.00	-37.03	N	GND
0.728	FINAL	15.9	—	56.00	-40.10	N	GND
2.686	FINAL	12.8	—	56.00	-43.25	N	GND
2.697	FINAL	—	6.22	46.00	-39.78	N	GND
4.315	FINAL	18.0	—	56.00	-38.03	N	GND
4.326	FINAL	—	9.94	46.00	-36.06	N	GND
5.822	FINAL	—	7.23	50.00	-42.77	N	GND
5.840	FINAL	14.0	—	60.00	-46.05	N	GND
16.521	FINAL	—	6.12	50.00	-43.88	N	GND
16.521	FINAL	12.5	—	60.00	-47.52	N	GND

**Table 7-45. AC Line Conducted (NB UNII HDRp4 – 5201MHz) (N) with AC/DC Adapter and USB-C Cable**

FCC ID: BCG-A3055	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud			

## 8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Apple Wireless Right Earbud** **FCC ID: BCG-A3055** is in compliance with Part 15 Subpart E (15.407) of the FCC Rules.

FCC ID: BCG-A3055	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230025-06.BCG	Test Dates: 6/26/2024 - 8/16/2024	EUT Type: Wireless Earbud	Page 123 of 123