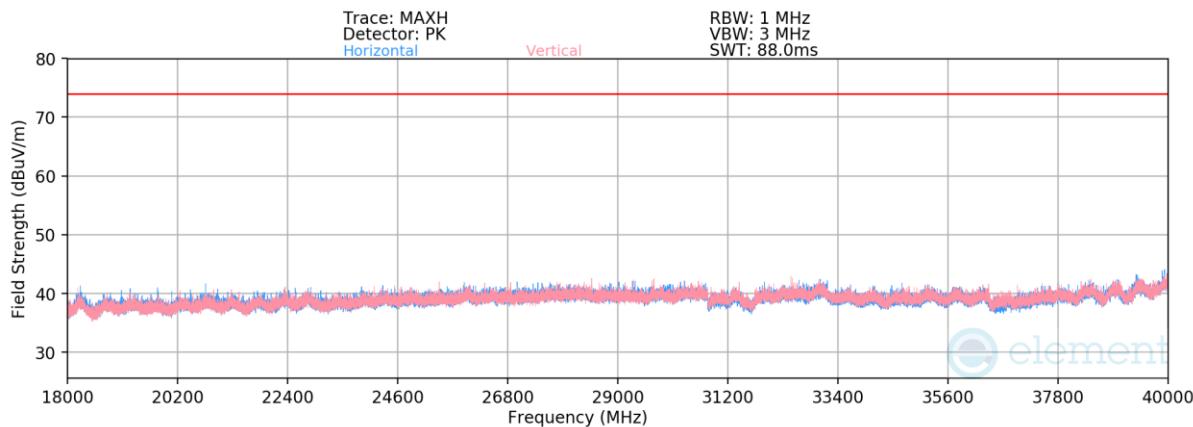


**Plot 7-86. Radiated Spurious Emissions 1-18GHz (NB UNII HDRp4 – 5201MHz)**



**Plot 7-87. Radiated Spurious Emissions 18-40GHz (NB UNII HDRp4 – 5201MHz)**

Mode: HDRp4  
 Data Rate: 4Mbps  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 5201MHz

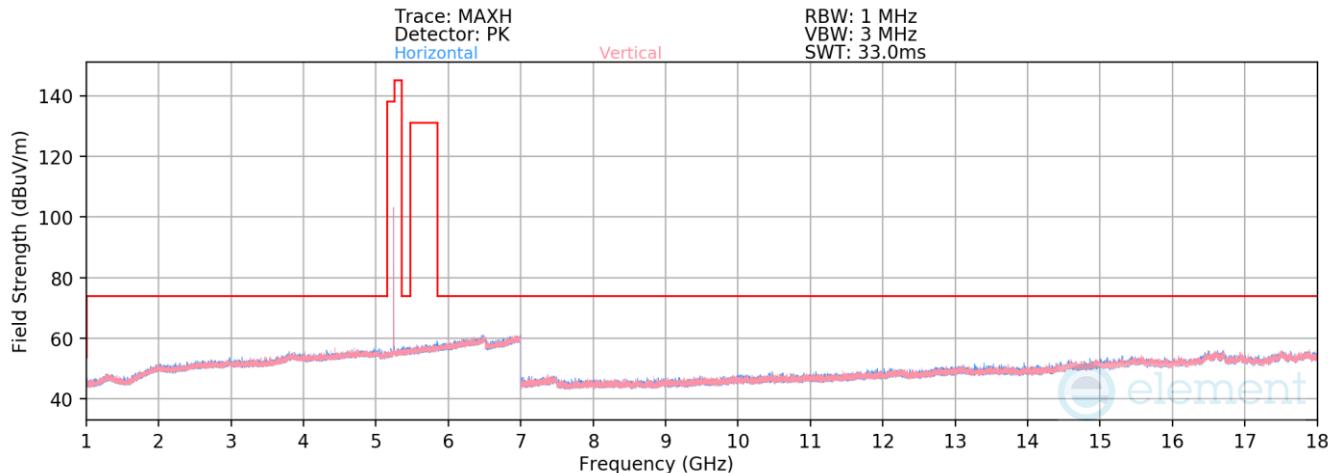
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
10402.00	Peak	-	-	-	-67.61	8.66	48.05	68.23	-20.18
* 15603.00	Average	-	-	-	-79.12	14.05	41.93	53.98	-12.05
* 15603.00	Peak	-	-	-	-68.62	14.05	52.43	73.98	-21.55
* 20804.00	Average	-	-	-	-70.62	-6.81	29.57	53.98	-24.41
* 20804.00	Peak	-	-	-	-59.49	-6.81	40.70	73.98	-33.28
26005.00	Peak	-	-	-	-60.78	-4.47	41.75	68.23	-26.48
* 31206.00	Average	-	-	-	-73.50	-2.49	31.01	53.98	-22.97
* 31206.00	Peak	-	-	-	-62.22	-2.49	42.29	73.98	-31.69
36407.00	Peak	V	15	179	-55.94	-6.38	44.68	68.23	-23.55

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

FCC ID: BCG-A3056	MEASUREMENT REPORT (CERTIFICATION)						Approved by: Technical Manager
Test Report S/N: 1C2405230026-06.BCG	Test Dates: 06/26/2024 - 08/04/2024	EUT Type: Wireless Earbud					

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**Plot 7-88. Radiated Spurious Emissions 1-18GHz (NB UNII HDRp4 – 5245MHz)**

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

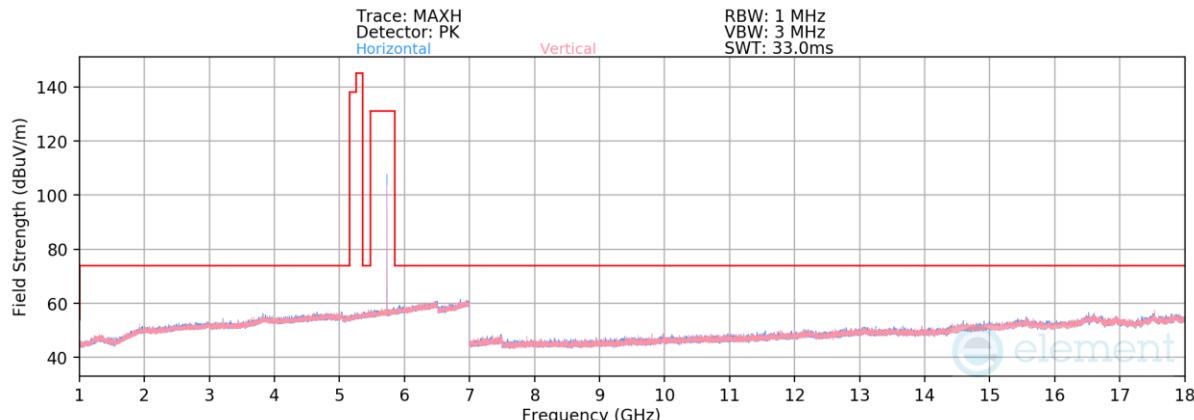
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
10490.00	Peak	-	-	-	-68.27	8.77	47.50	68.23	-20.73
* 15735.00	Average	-	-	-	-79.04	13.36	41.32	53.98	-12.66
* 15735.00	Peak	-	-	-	-68.14	13.36	52.22	73.98	-21.76

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

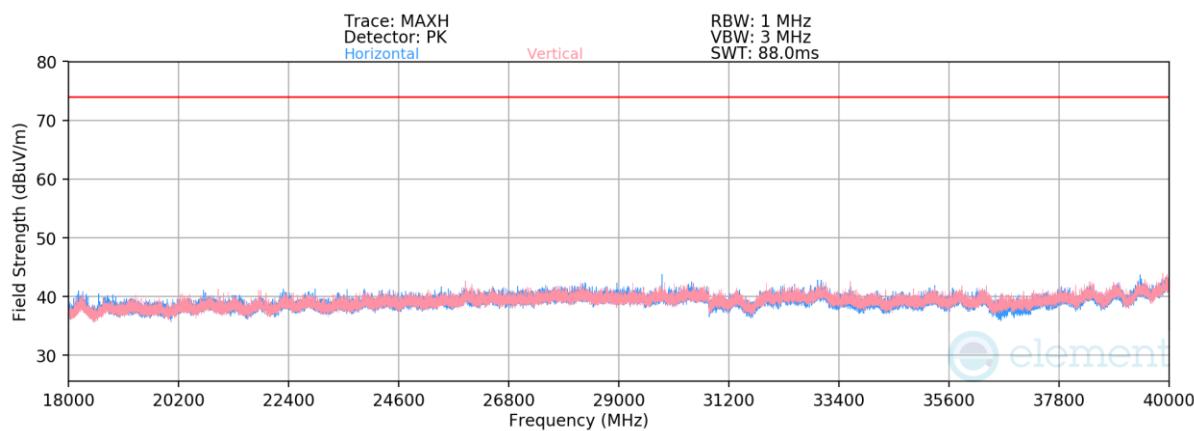
FCC ID: BCG-A3056	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2405230026-06.BCG	Test Dates: 06/26/2024 - 08/04/2024	EUT Type: Wireless Earbud			

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



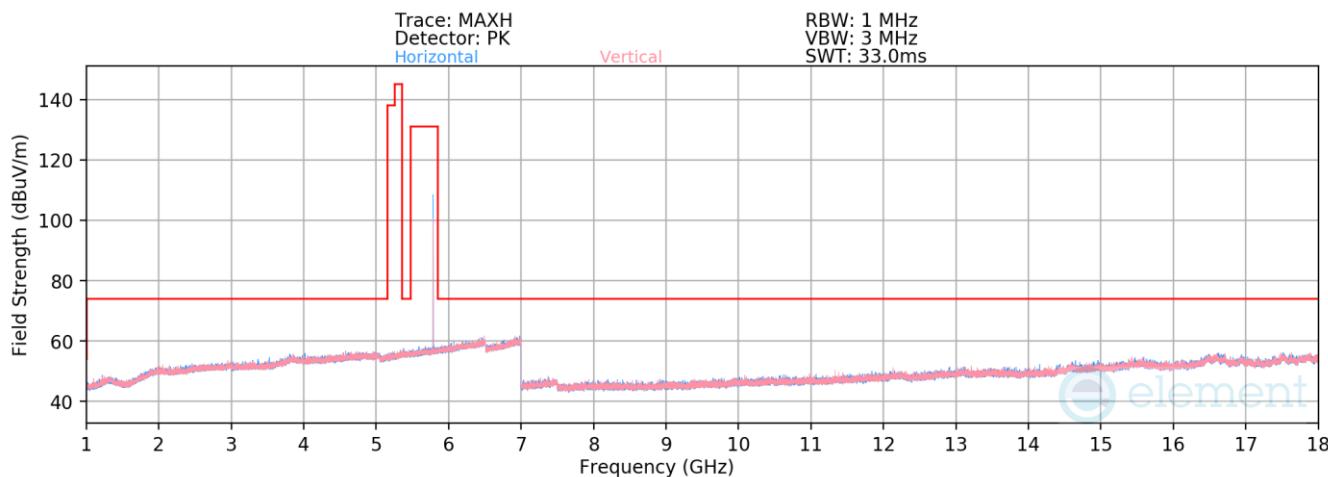
**Plot 7-90. Radiated Spurious Emissions 18-40GHz (NB UNII BDR – 5731MHz)**

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]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
* 11462.00	Avg	H	243	251	-78.83	9.57	38.92	53.98	-15.06
* 11462.00	Peak	H	243	251	-63.93	9.57	52.64	73.98	-21.34
17193.00	Peak	-	-	-	-68.95	16.22	54.27	68.23	-13.96
* 22924.00	Avg	-	-	-	-71.07	-6.04	29.89	53.98	-24.09
* 22924.00	Peak	-	-	-	-59.48	-6.04	41.48	73.98	-32.50
28655.00	Peak	V	23	221	-61.97	-2.76	42.27	68.23	-25.96
34386.00	Peak	-	-	-	-61.72	-3.77	41.51	68.23	-26.72

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

FCC ID: BCG-A3056		MEASUREMENT REPORT (CERTIFICATION)					Approved by: Technical Manager
Test Report S/N: 1C2405230026-06.BCG	Test Dates: 06/26/2024 - 08/04/2024	EUT Type: Wireless Earbud					Page 75 of 122



**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

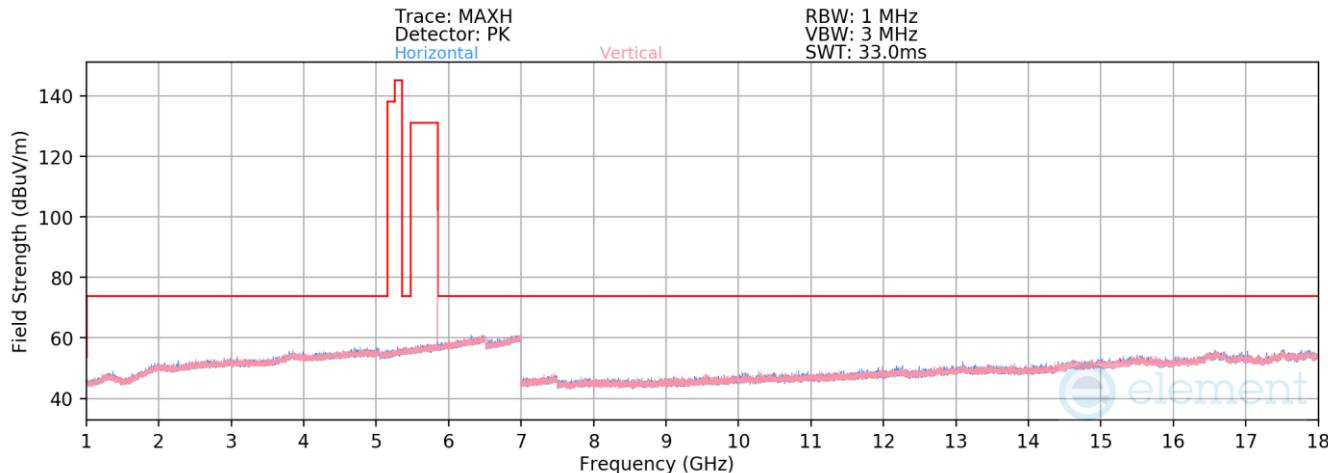
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
* 11576.00	Avg	-	-	-	-78.75	9.47	37.72	53.98	-16.26
* 11576.00	Peak	-	-	-	-68.15	9.47	48.32	73.98	-25.66
17364.00	Peak	-	-	-	-69.93	17.35	54.42	68.23	-13.81

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

FCC ID: BCG-A3056	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2405230026-06.BCG	Test Dates: 06/26/2024 - 08/04/2024	EUT Type: Wireless Earbud			

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**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

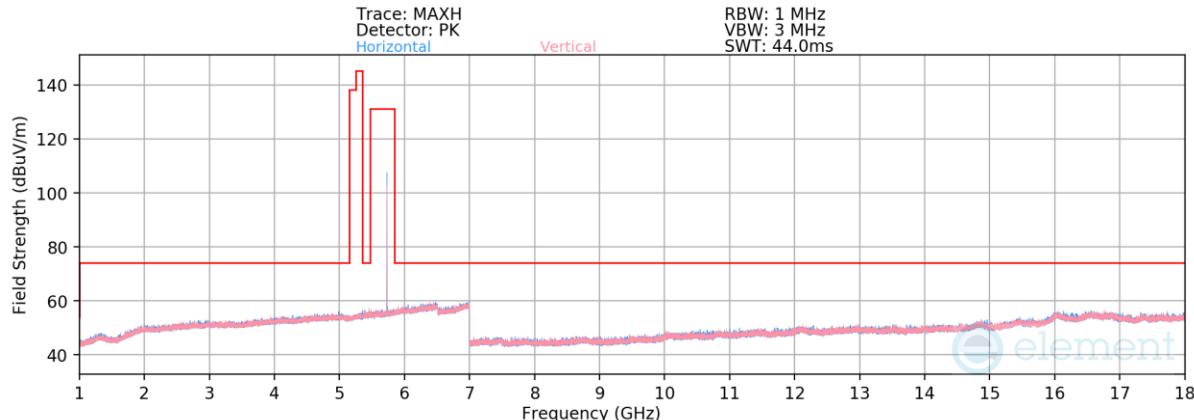
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
* 11688.00	Avg	-	-	-	-78.86	9.84	37.98	53.98	-16.00
* 11688.00	Peak	-	-	-	-67.85	9.79	48.94	73.98	-25.04
17532.00	Peak	-	-	-	-70.84	18.79	54.95	68.23	-13.28

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

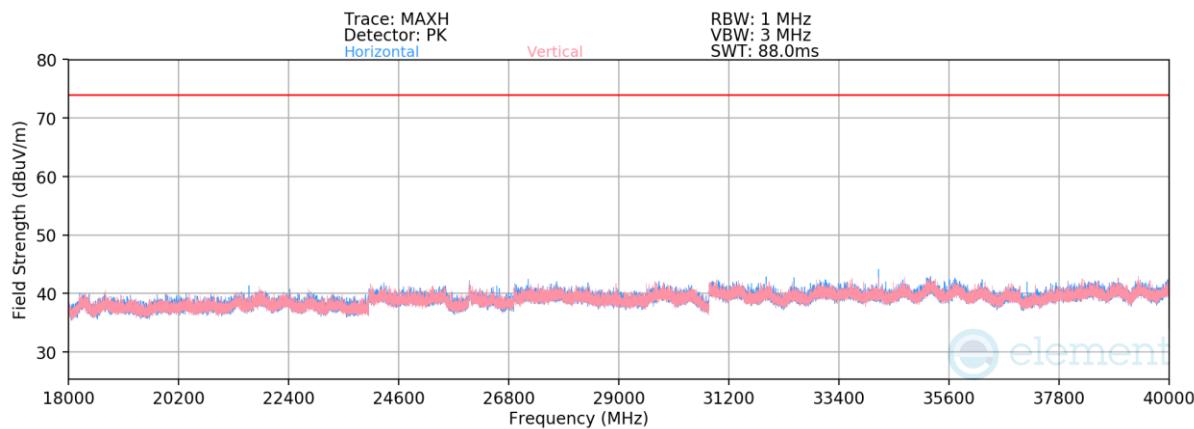
FCC ID: BCG-A3056	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2405230026-06.BCG	Test Dates: 06/26/2024 - 08/04/2024	EUT Type: Wireless Earbud			

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**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

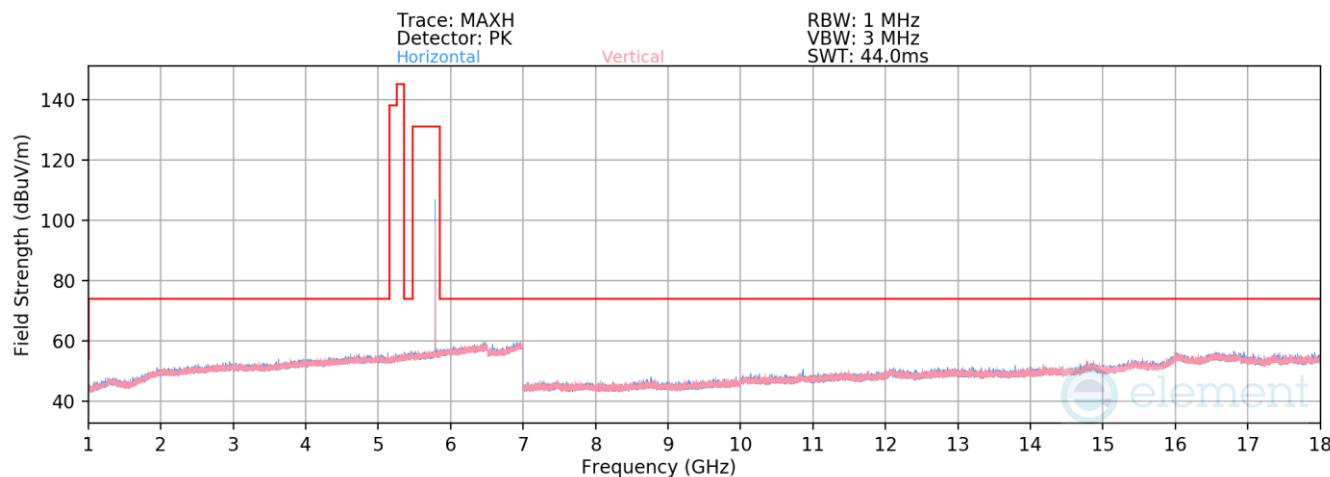
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
* 11462.00	Avg	-	-	-	-78.83	9.60	37.77	53.98	-16.21
* 11462.00	Peak	-	-	-	-67.63	9.60	48.97	73.98	-25.01
17193.00	Peak	-	-	-	-69.89	17.73	54.84	68.23	-13.39
* 22924.00	Avg	-	-	-	-71.85	-6.23	28.91	53.98	-25.07
* 22924.00	Peak	-	-	-	-60.37	-6.23	40.40	73.98	-33.58
28655.00	Peak	-	-	-	-61.54	-3.68	41.79	68.23	-26.44

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

FCC ID: BCG-A3056	 element	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Technical Manager
Test Report S/N: 1C2405230026-06.BCG	Test Dates: 06/26/2024 - 08/04/2024	EUT Type: Wireless Earbud				

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**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

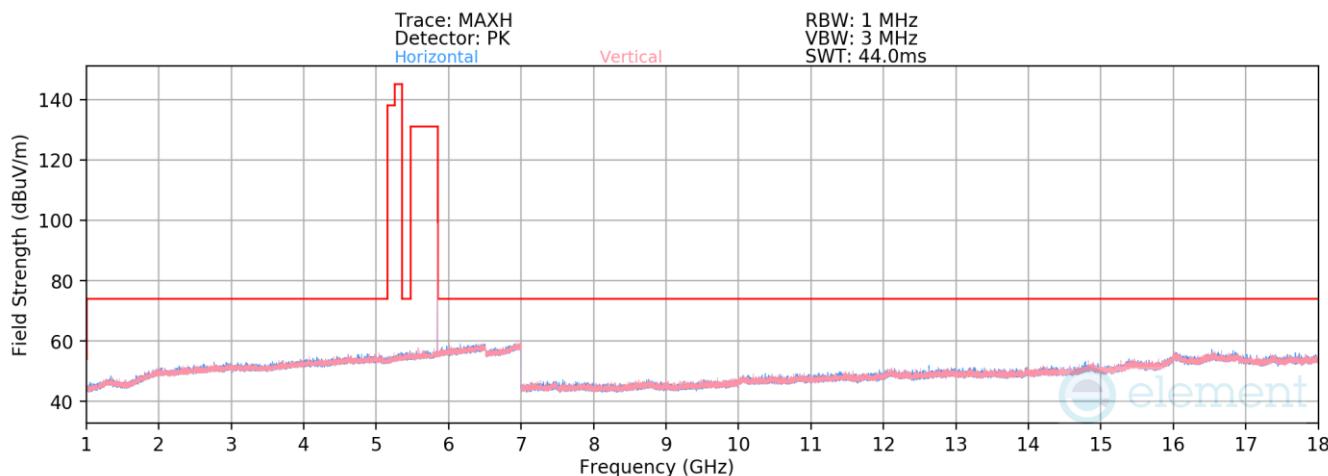
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
* 11576.00	Avg	-	-	-	-78.66	9.47	37.81	53.98	-16.17
* 11576.00	Peak	-	-	-	-68.13	9.47	48.34	73.98	-25.64
17364.00	Peak	-	-	-	-69.15	17.35	55.20	68.23	-13.03

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

FCC ID: BCG-A3056	 <b>element</b> MEASUREMENT REPORT (CERTIFICATION)				Approved by: Technical Manager
Test Report S/N: 1C2405230026-06.BCG	Test Dates: 06/26/2024 - 08/04/2024	EUT Type: Wireless Earbud			

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**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

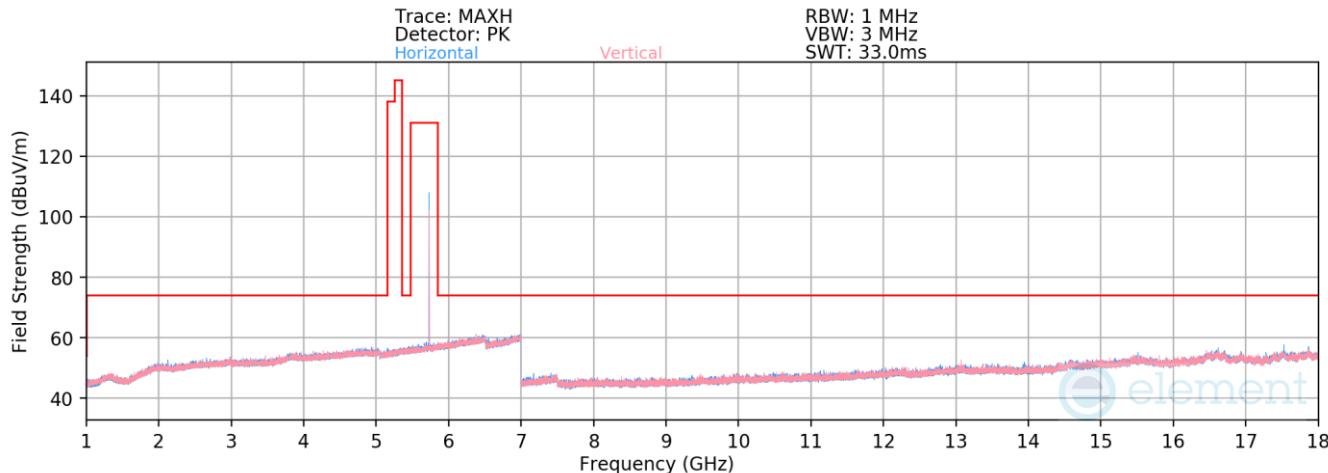
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
* 11688.00	Avg	-	-	-	-79.39	10.28	37.89	53.98	-16.09
* 11688.00	Peak	-	-	-	-67.91	10.28	49.37	73.98	-24.61
17532.00	Peak	-	-	-	-70.83	17.53	53.70	68.23	-14.53

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

FCC ID: BCG-A3056	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2405230026-06.BCG	Test Dates: 06/26/2024 - 08/04/2024	EUT Type: Wireless Earbud			

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

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

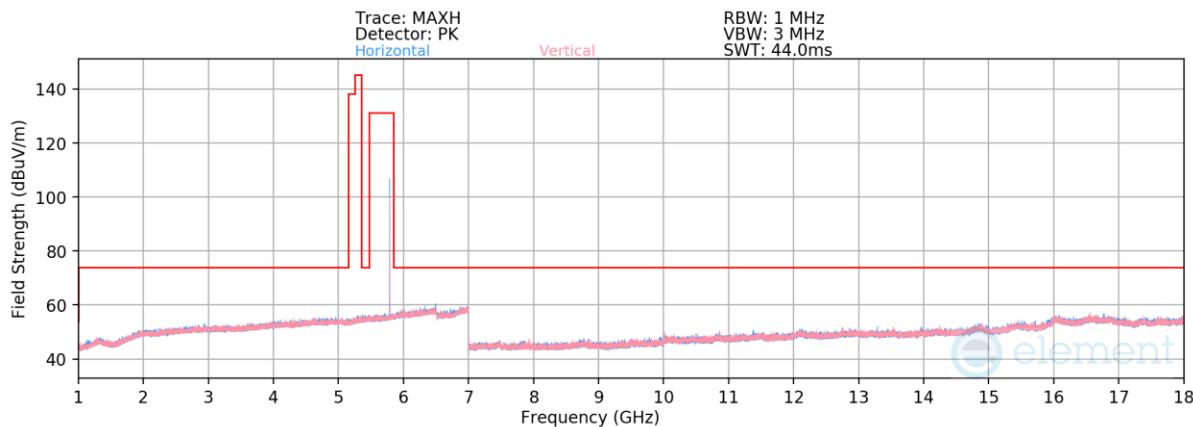
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
* 11462.00	Avg	-	-	-	-82.76	13.59	37.83	53.98	-16.15
* 11462.00	Peak	-	-	-	-71.77	13.59	48.82	73.98	-25.16
17193.00	Peak	-	-	-	-76.35	23.30	53.95	68.23	-14.28

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

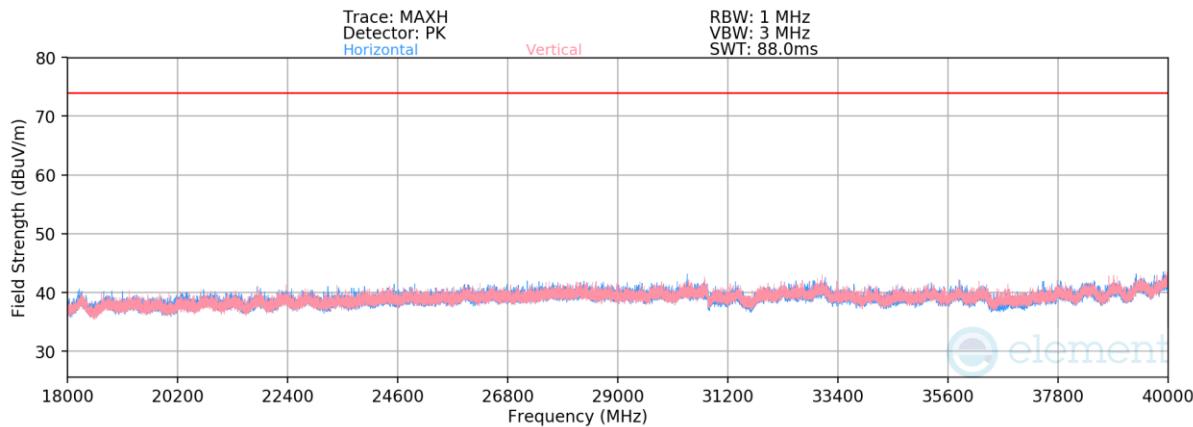
FCC ID: BCG-A3056	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2405230026-06.BCG	Test Dates: 06/26/2024 - 08/04/2024	EUT Type: Wireless Earbud			

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**Plot 7-98. Radiated Spurious Emissions 1-18GHz (NB UNII HDR4 – 5788MHz)**



**Plot 7-99. Radiated Spurious Emissions 18-40GHz (NB UNII HDR4 – 5788MHz)**

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

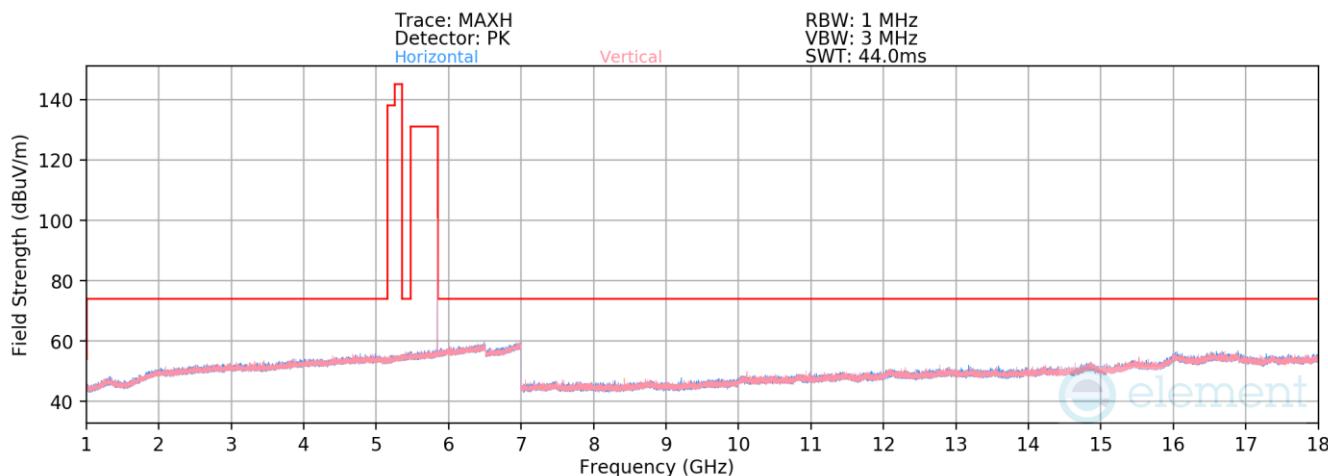
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
* 11576.00	Avg	-	-	-	-78.66	9.47	37.81	53.98	-16.17
* 11576.00	Peak	-	-	-	-68.13	9.47	48.34	73.98	-25.64
17364.00	Peak	-	-	-	-69.15	17.35	55.20	68.23	-13.03
23152.00	Peak	-	-	-	-60.23	-6.23	40.54	68.23	-27.69
28940.00	Peak	H	77	56	-61.10	-2.96	42.94	68.23	-25.29
34728.00	Peak	-	-	-	-60.91	-3.68	42.41	68.23	-25.82

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

FCC ID: BCG-A3056	 element	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Technical Manager
Test Report S/N: 1C2405230026-06.BCG	Test Dates: 06/26/2024 - 08/04/2024	EUT Type: Wireless Earbud				

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**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

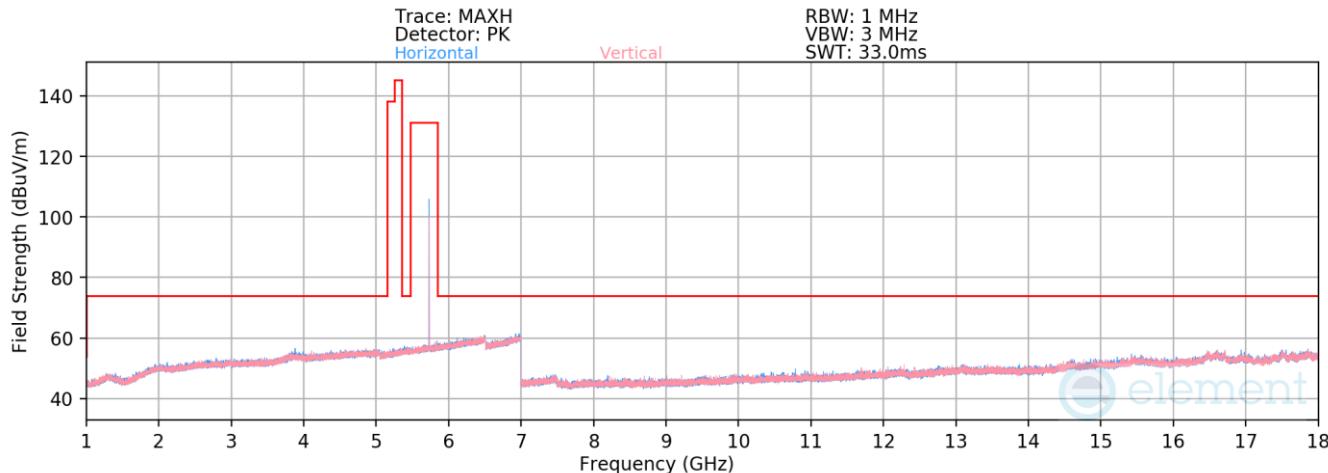
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
* 11688.00	Avg	-	-	-	-81.69	13.78	39.09	53.98	-14.89
* 11688.00	Peak	-	-	-	-70.70	13.78	50.08	73.98	-23.90
17532.00	Peak	-	-	-	-71.48	25.33	60.85	68.23	-7.38

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

FCC ID: BCG-A3056	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Technical Manager
Test Report S/N: 1C2405230026-06.BCG	Test Dates: 06/26/2024 - 08/04/2024	EUT Type: Wireless Earbud			

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

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

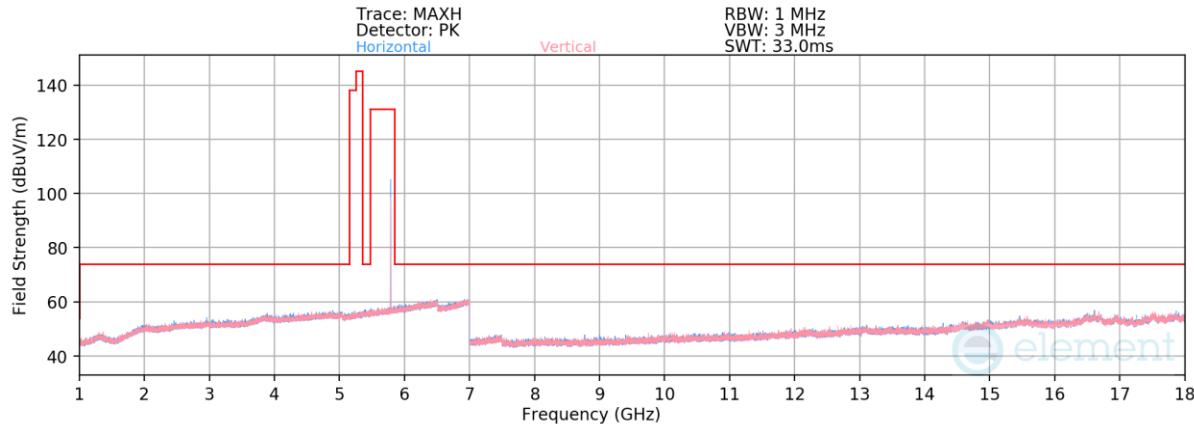
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
* 11462.00	Avg	-	-	-	-78.80	9.57	37.77	53.98	-16.21
* 11462.00	Peak	-	-	-	-67.89	9.57	48.68	73.98	-25.30
17193.00	Peak	-	-	-	-69.01	16.22	54.21	68.23	-14.02

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

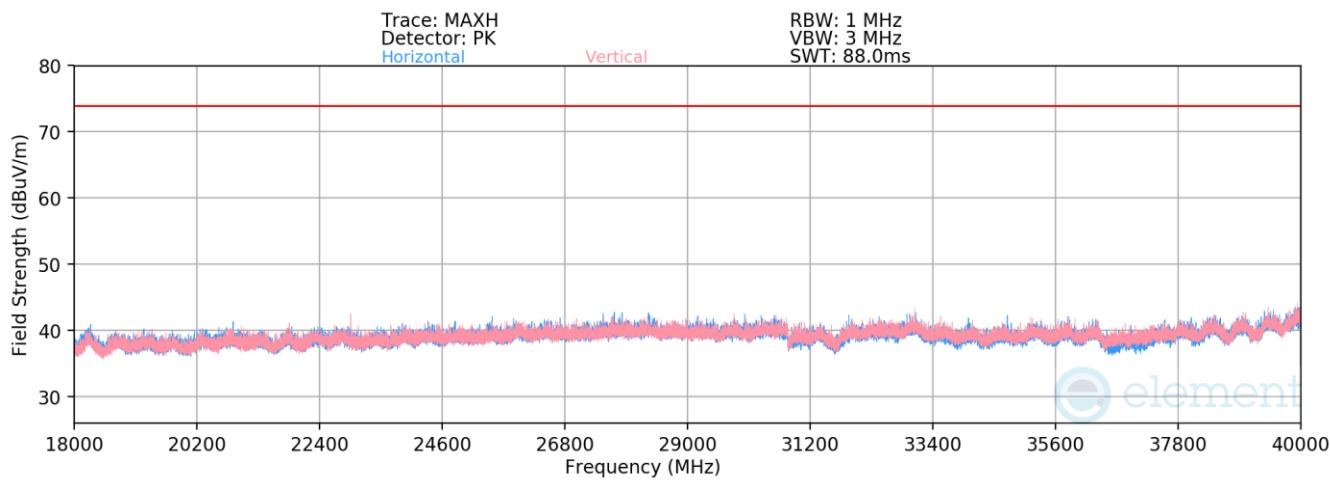
FCC ID: BCG-A3056	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2405230026-06.BCG	Test Dates: 06/26/2024 - 08/04/2024	EUT Type: Wireless Earbud			

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**Plot 7-102. Radiated Spurious Emissions 1-18GHz (NB UNII HDRp4 – 5788MHz)**



**Plot 7-103. Radiated Spurious Emissions 18-40GHz (NB UNII HDRp4 – 5731MHz)**

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

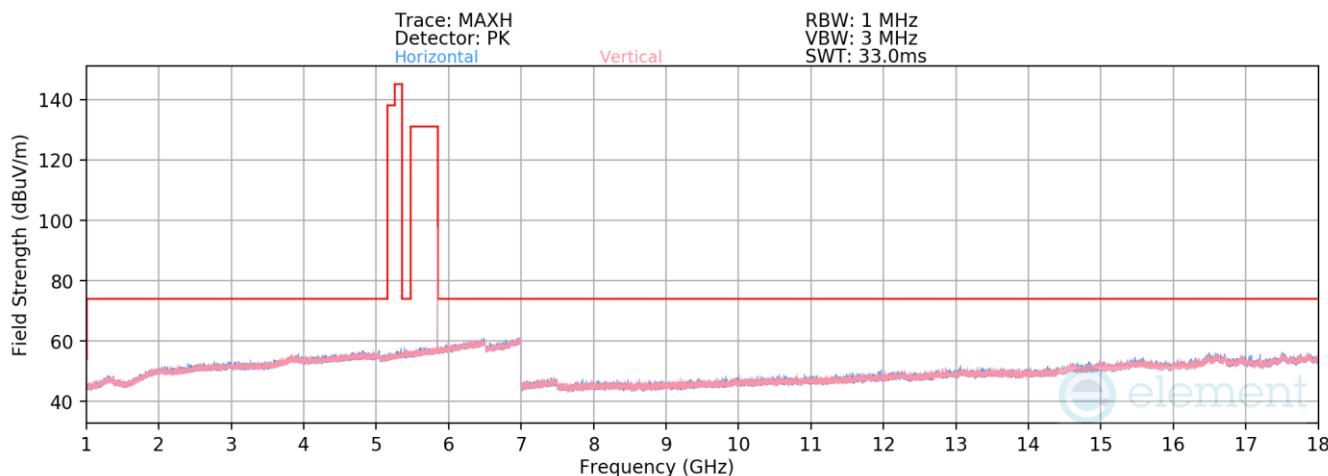
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
* 11576.00	Avg	-	-	-	-78.66	9.47	37.81	53.98	-16.17
* 11576.00	Peak	-	-	-	-68.13	9.47	48.34	73.98	-25.64
17364.00	Peak	-	-	-	-69.15	17.35	55.20	68.23	-13.03
23152.00	Peak	-	-	-	-60.81	-6.04	40.15	68.23	-28.08
28940.00	Peak	-	-	-	-62.57	-2.76	41.67	68.23	-26.56
34728.00	Peak	-	-	-	-60.29	-3.77	42.94	68.23	-25.29

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

FCC ID: BCG-A3056	 element	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Technical Manager
Test Report S/N: 1C2405230026-06.BCG	Test Dates: 06/26/2024 - 08/04/2024	EUT Type: Wireless Earbud				

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**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	-	-	-	-78.60	9.84	38.24	53.98	-15.74
* 11688.00	Peak	-	-	-	-68.04	9.84	48.80	73.98	-25.18
17532.00	Peak	-	-	-	-70.22	18.79	55.57	68.23	-12.66

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

FCC ID: BCG-A3056	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2405230026-06.BCG	Test Dates: 06/26/2024 - 08/04/2024	EUT Type: Wireless Earbud			

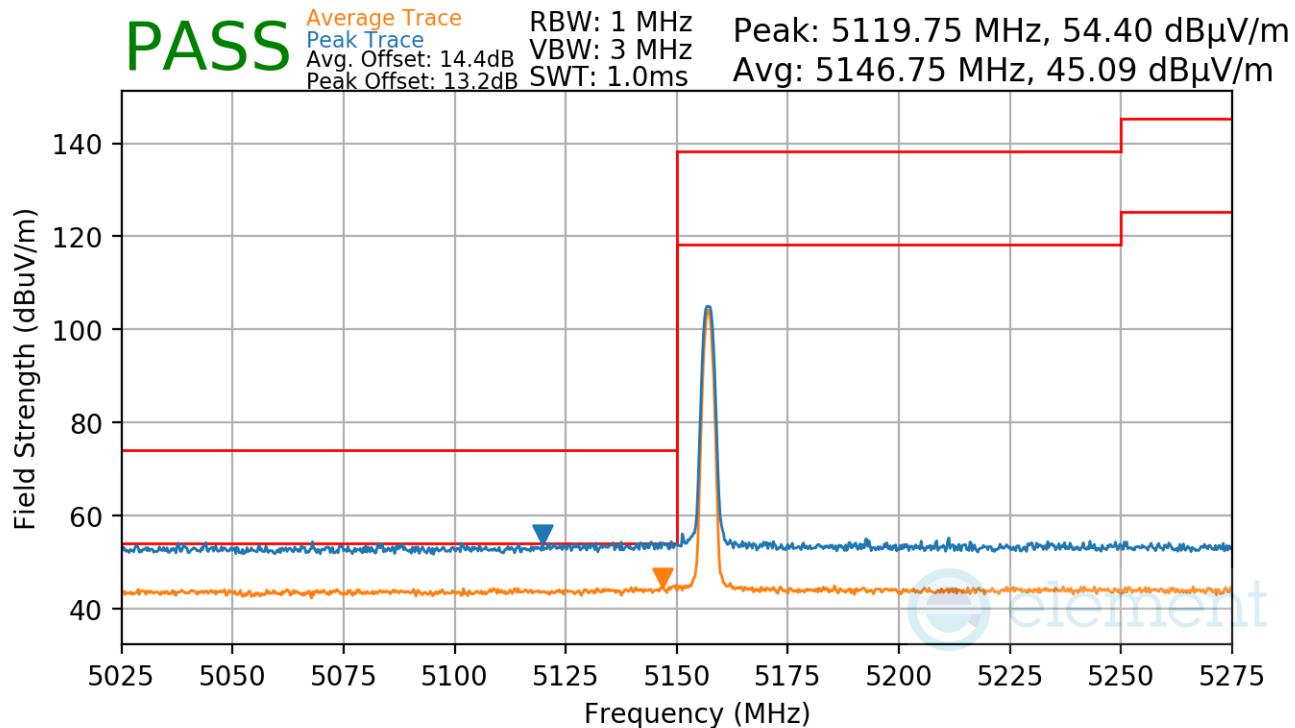
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### 7.6.2 Radiated Band Edge Measurements

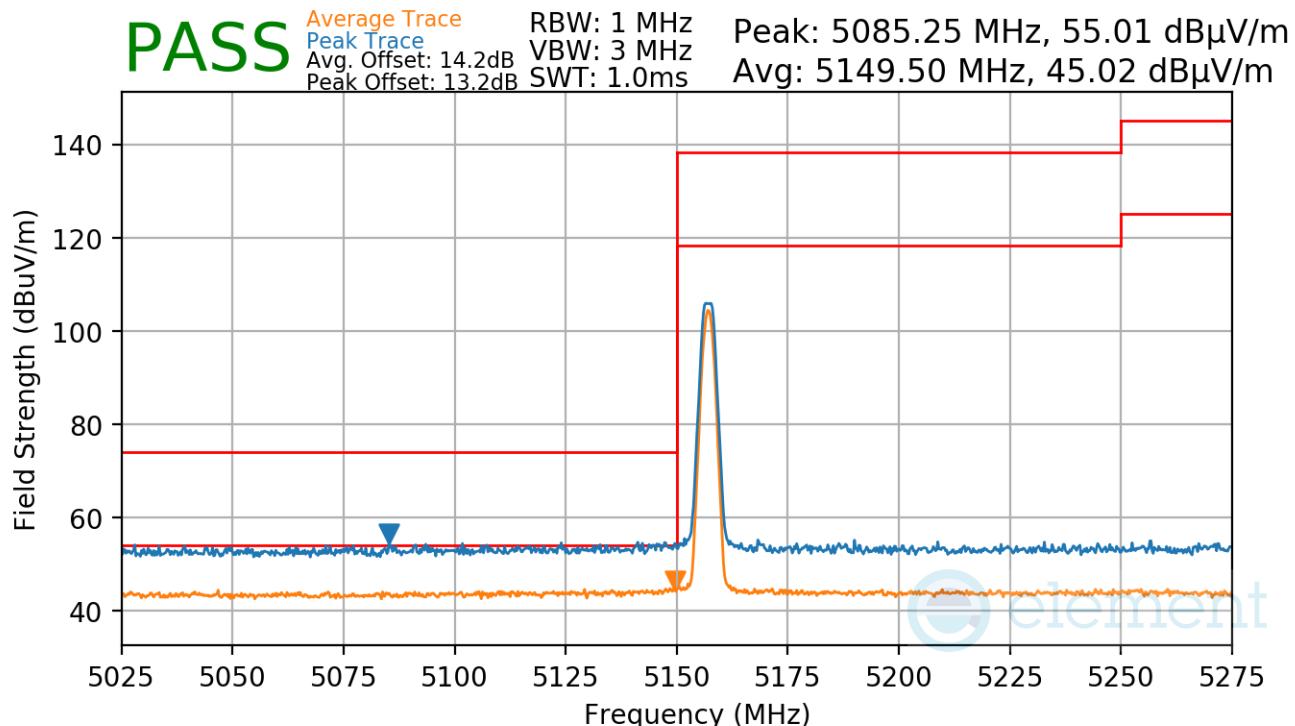
§15.407(b.1) §15.205 §15.209

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



FCC ID: BCG-A3056	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230026-06.BCG	Test Dates: 06/26/2024 - 08/04/2024	EUT Type: Wireless Earbud	Page 87 of 122

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



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

FCC ID: BCG-A3056	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230026-06.BCG	Test Dates: 06/26/2024 - 08/04/2024	EUT Type: Wireless Earbud	Page 88 of 122

Mode:

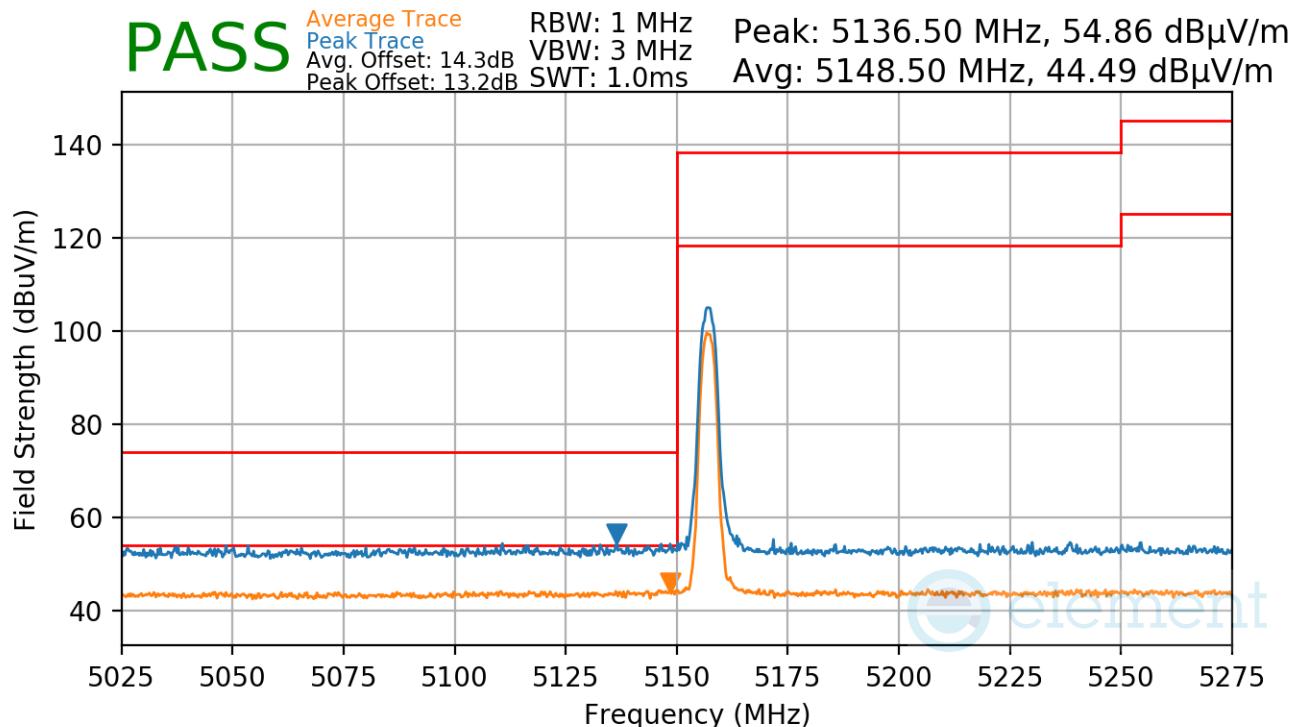
HDR4

Measurement Distance:

3 Meters

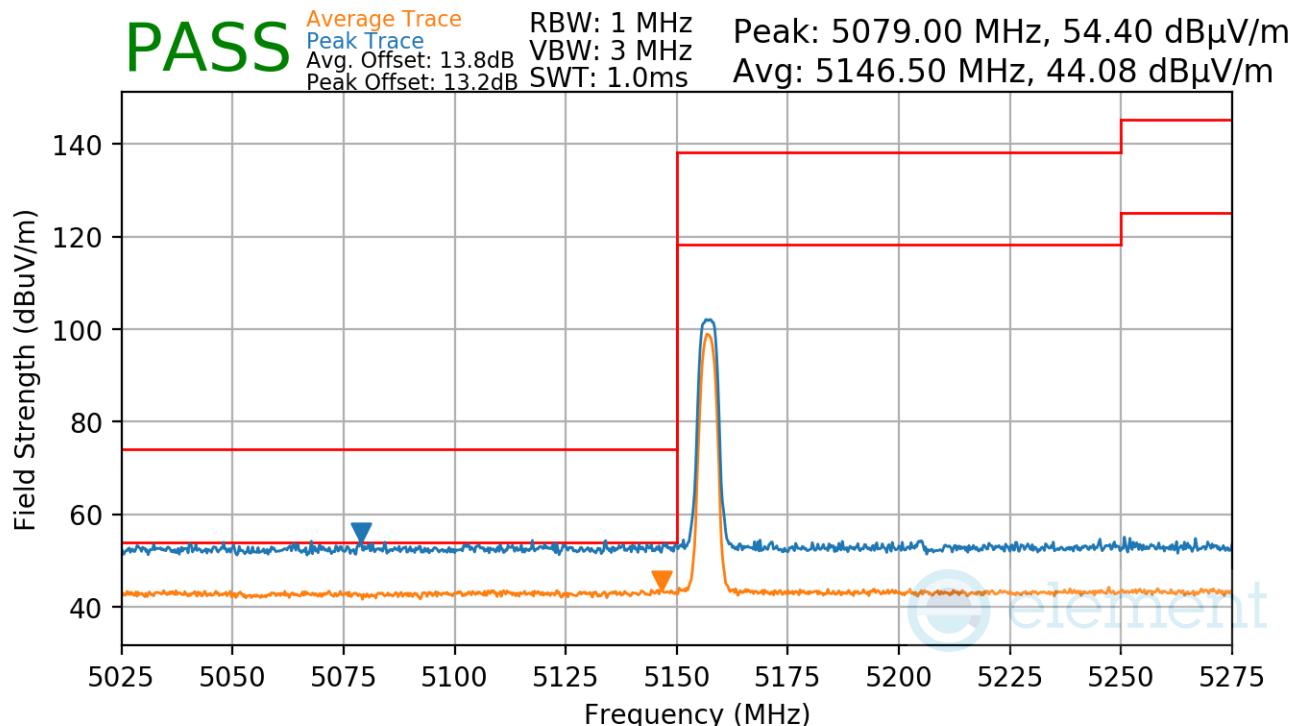
Operating Frequency:

5157MHz


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

FCC ID: BCG-A3056	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230026-06.BCG	Test Dates: 06/26/2024 - 08/04/2024	EUT Type: Wireless Earbud	Page 89 of 122

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



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

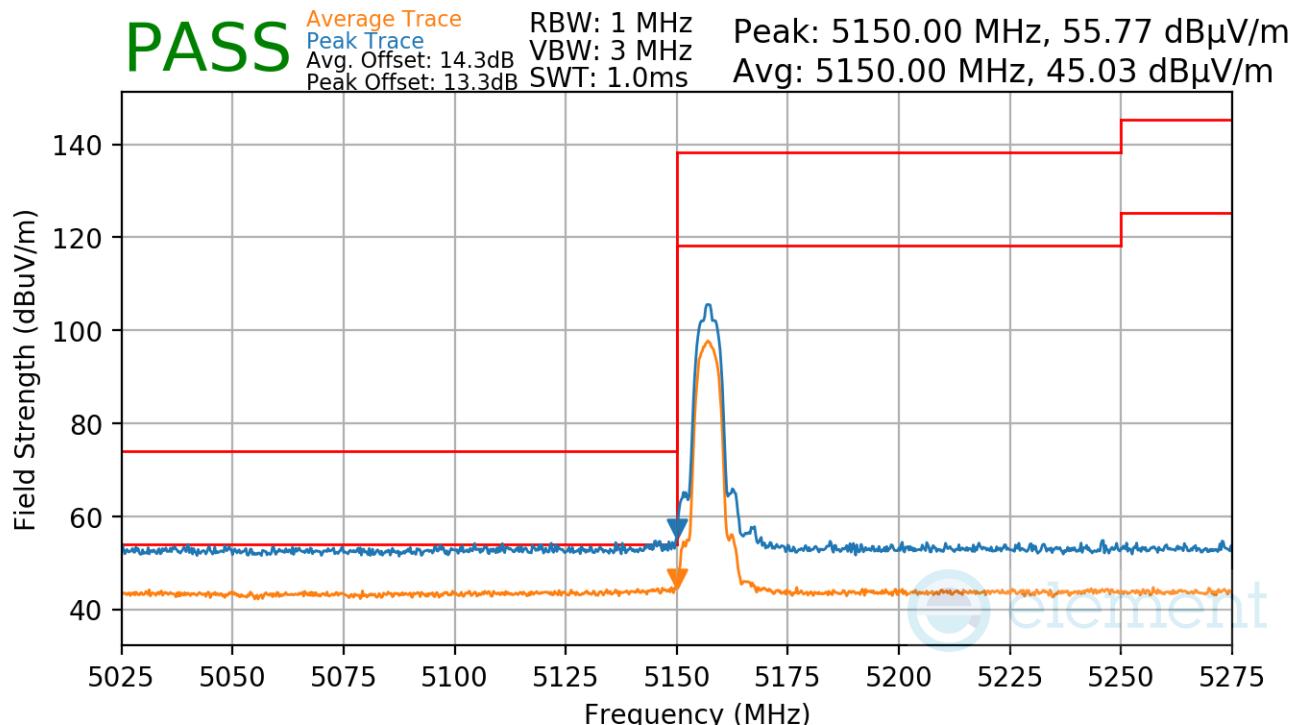
FCC ID: BCG-A3056	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230026-06.BCG	Test Dates: 06/26/2024 - 08/04/2024	EUT Type: Wireless Earbud	Page 90 of 122

Mode:  
Measurement Distance:  
Operating Frequency:

HDR8

3 Meters

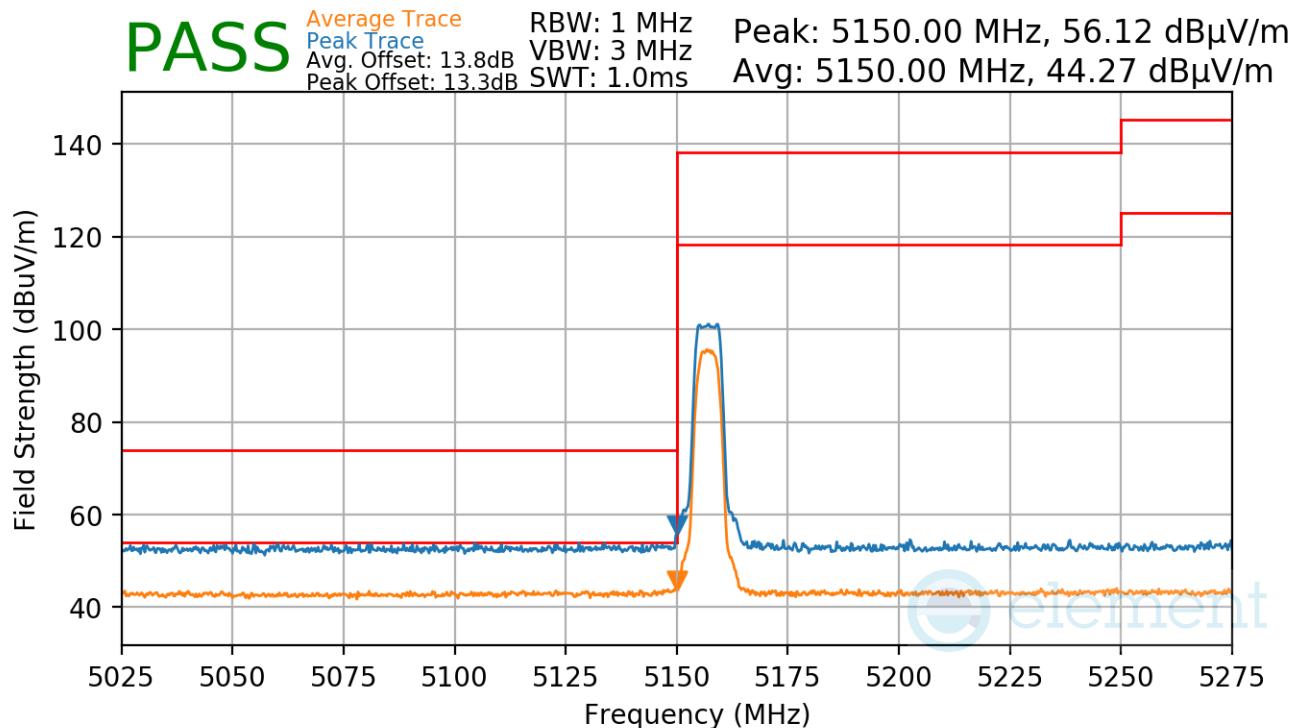
5157MHz



Plot 7-109. Radiated Lower Band Edge Measurement

FCC ID: BCG-A3056	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230026-06.BCG	Test Dates: 06/26/2024 - 08/04/2024	EUT Type: Wireless Earbud	Page 91 of 122

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

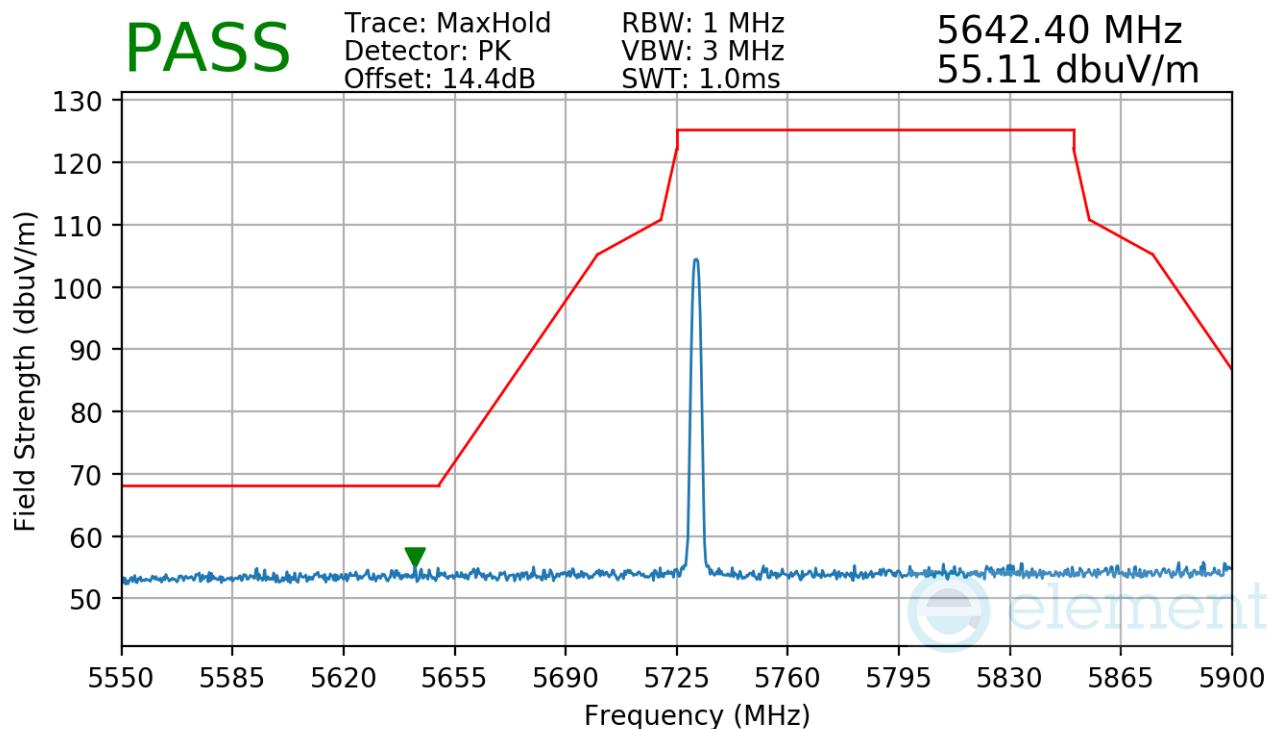


**Plot 7-110. Radiated Lower Band Edge Measurement**

FCC ID: BCG-A3056	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230026-06.BCG	Test Dates: 06/26/2024 - 08/04/2024	EUT Type: Wireless Earbud	Page 92 of 122

Mode:  
Measurement Distance:  
Operating Frequency:

BDR  
3 Meters  
5731MHz

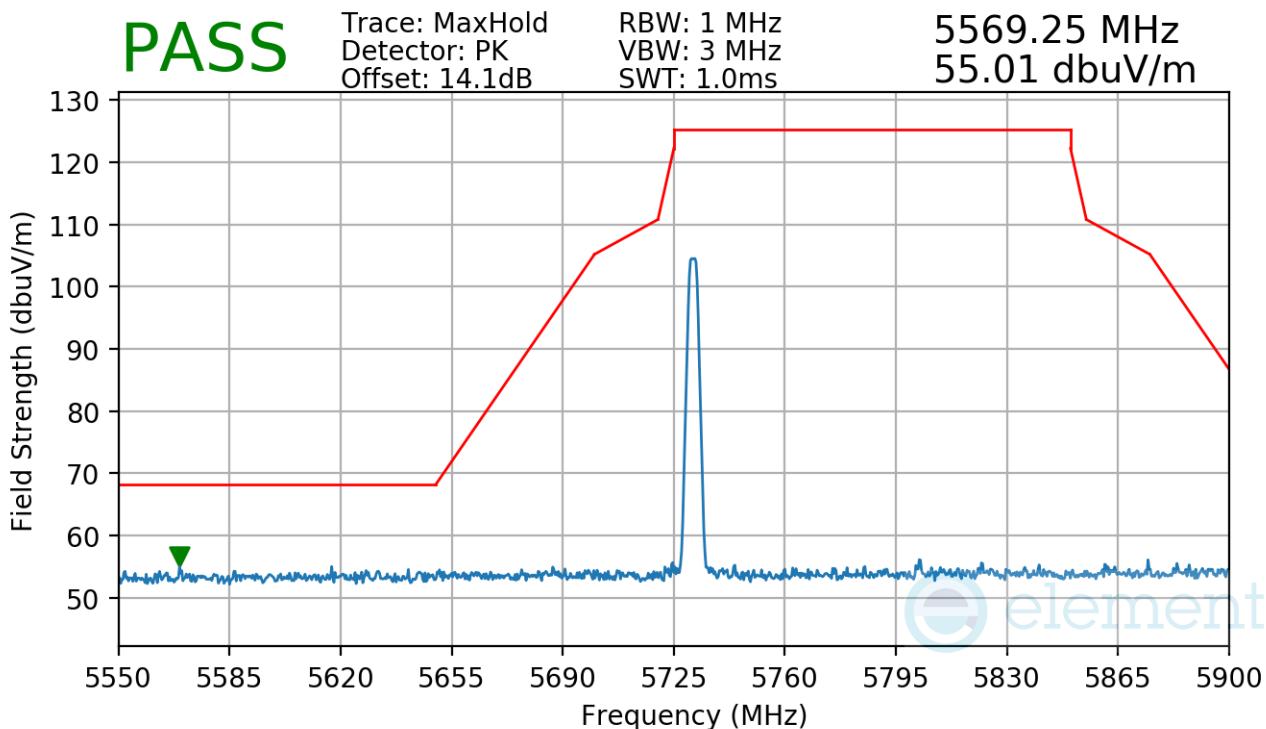


**Plot 7-111. Radiated Lower Band Edge Measurement**

FCC ID: BCG-A3056	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230026-06.BCG	Test Dates: 06/26/2024 - 08/04/2024	EUT Type: Wireless Earbud	Page 93 of 122

Mode:  
Measurement Distance:  
Operating Frequency:

LE2M  
3 Meters  
5731MHz

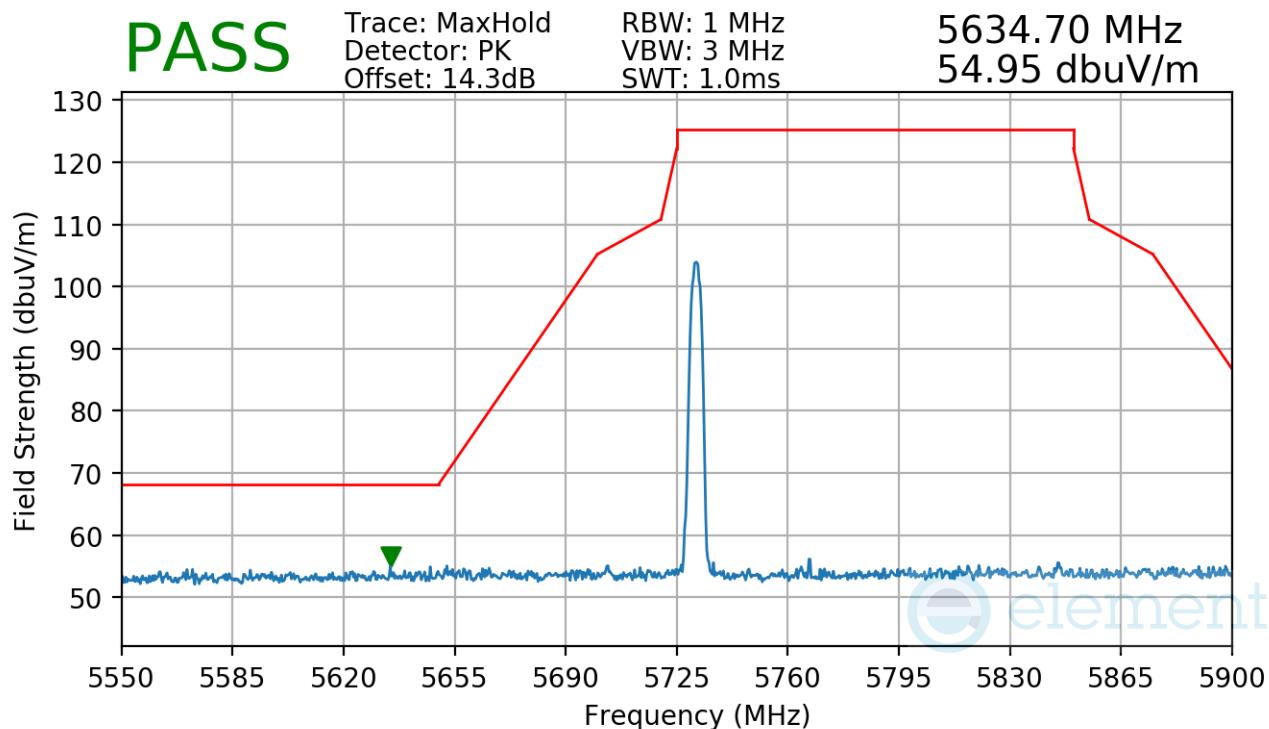


**Plot 7-112. Radiated Lower Band Edge Measurement**

FCC ID: BCG-A3056	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230026-06.BCG	Test Dates: 06/26/2024 - 08/04/2024	EUT Type: Wireless Earbud	Page 94 of 122

Mode:  
Measurement Distance:  
Operating Frequency:

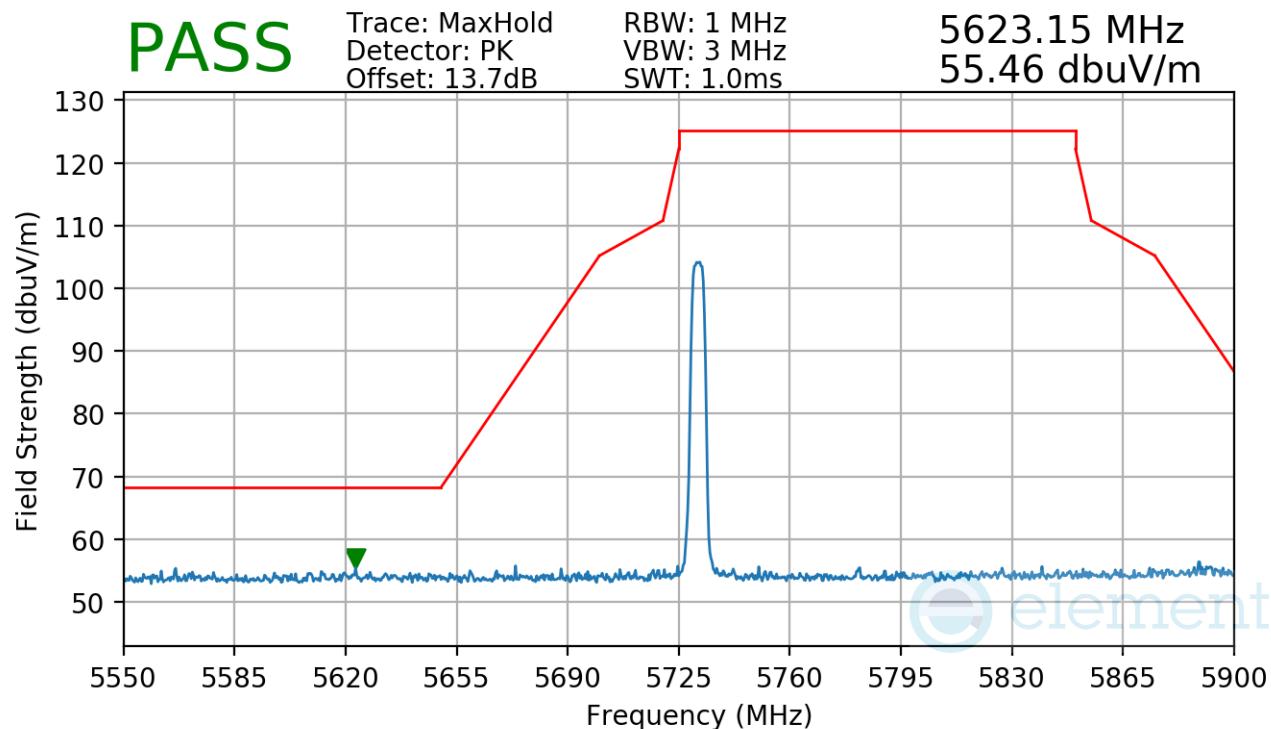
HDR4  
3 Meters  
5731MHz



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

FCC ID: BCG-A3056	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230026-06.BCG	Test Dates: 06/26/2024 - 08/04/2024	EUT Type: Wireless Earbud	Page 95 of 122

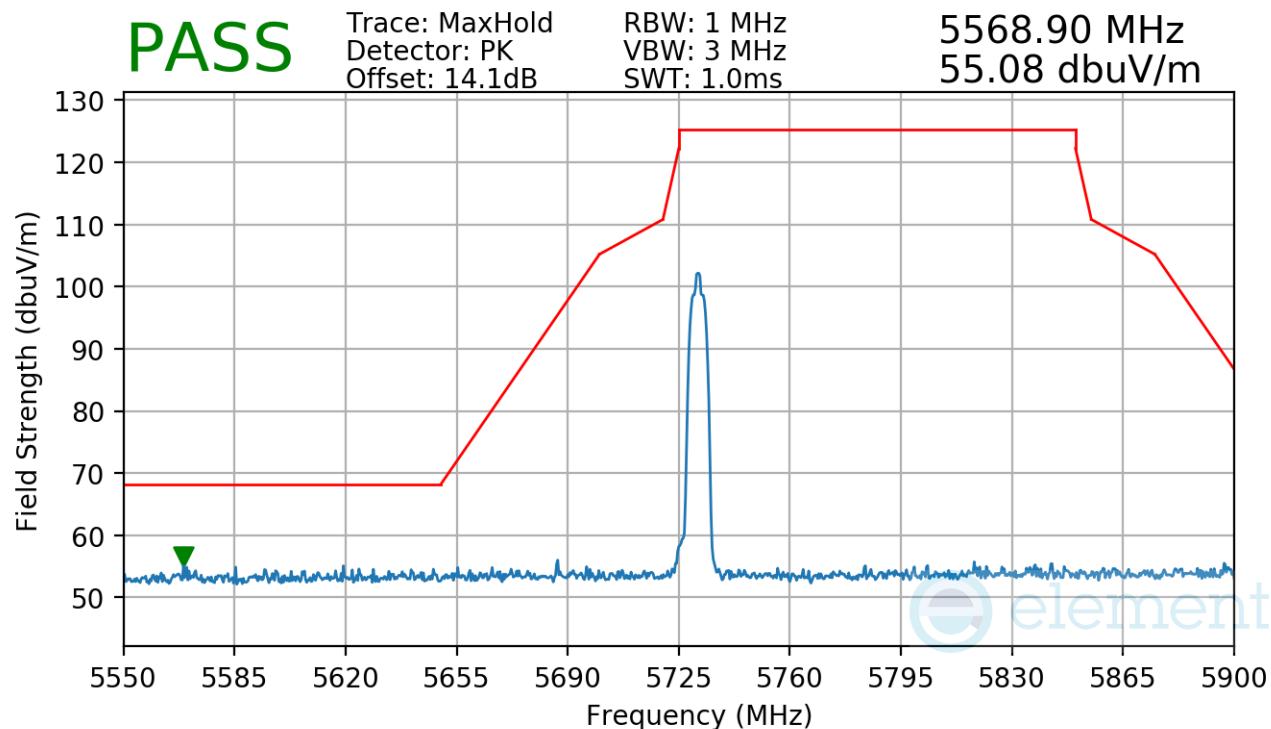
Mode: HDRp4  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5731MHz



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

FCC ID: BCG-A3056	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230026-06.BCG	Test Dates: 06/26/2024 - 08/04/2024	EUT Type: Wireless Earbud	Page 96 of 122

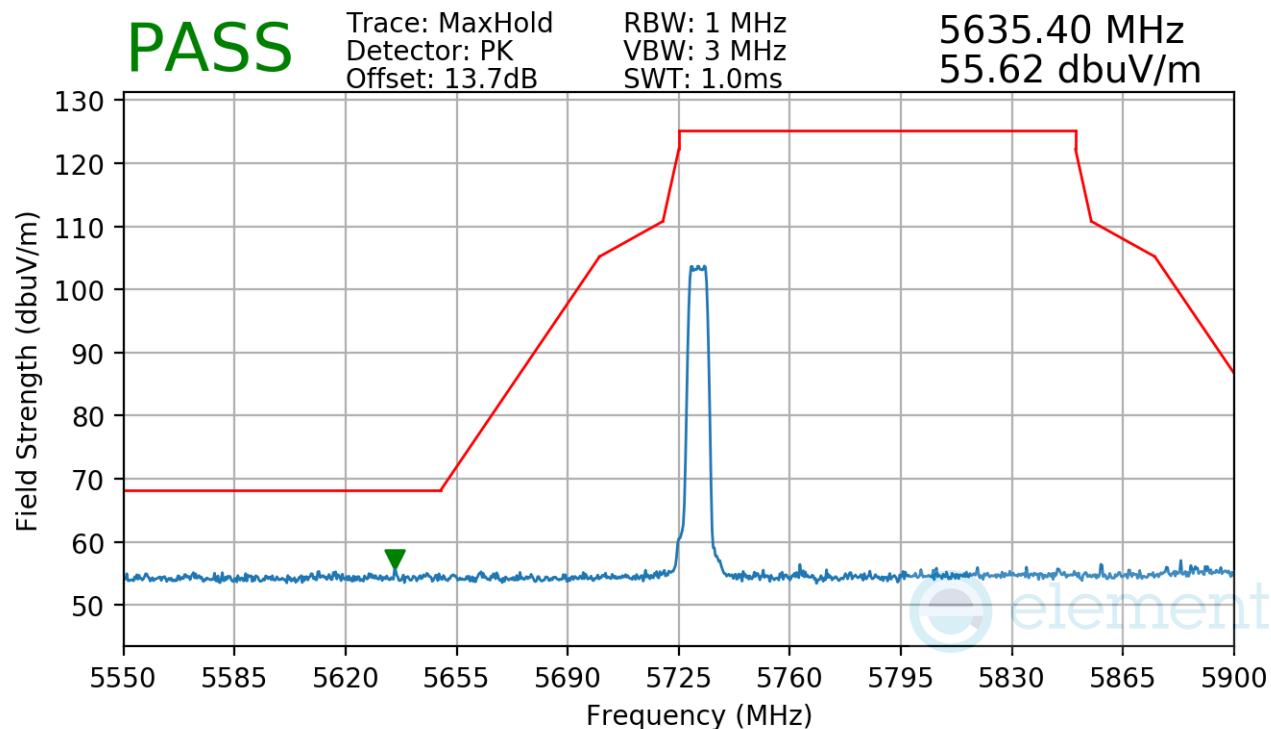
Mode: HDR8  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5731MHz



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

FCC ID: BCG-A3056	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230026-06.BCG	Test Dates: 06/26/2024 - 08/04/2024	EUT Type: Wireless Earbud	Page 97 of 122

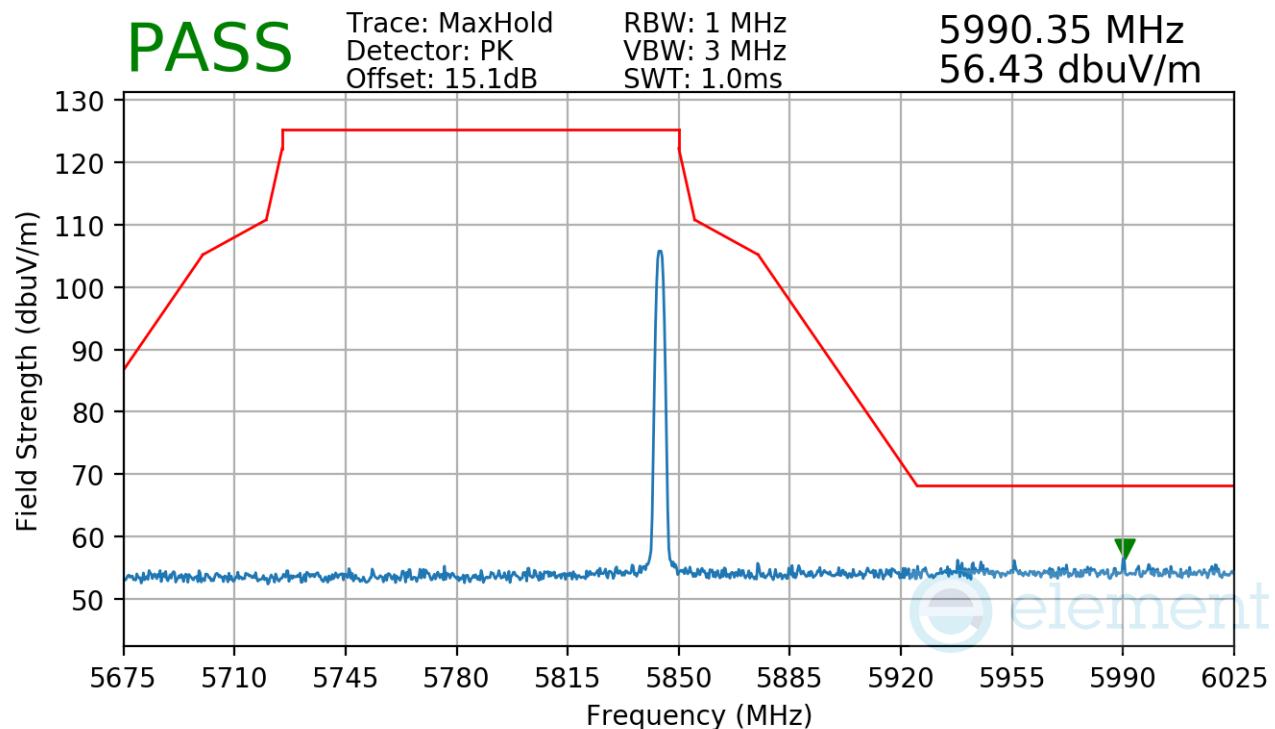
Mode: HDRp8  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5731MHz



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

FCC ID: BCG-A3056	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230026-06.BCG	Test Dates: 06/26/2024 - 08/04/2024	EUT Type: Wireless Earbud	Page 98 of 122

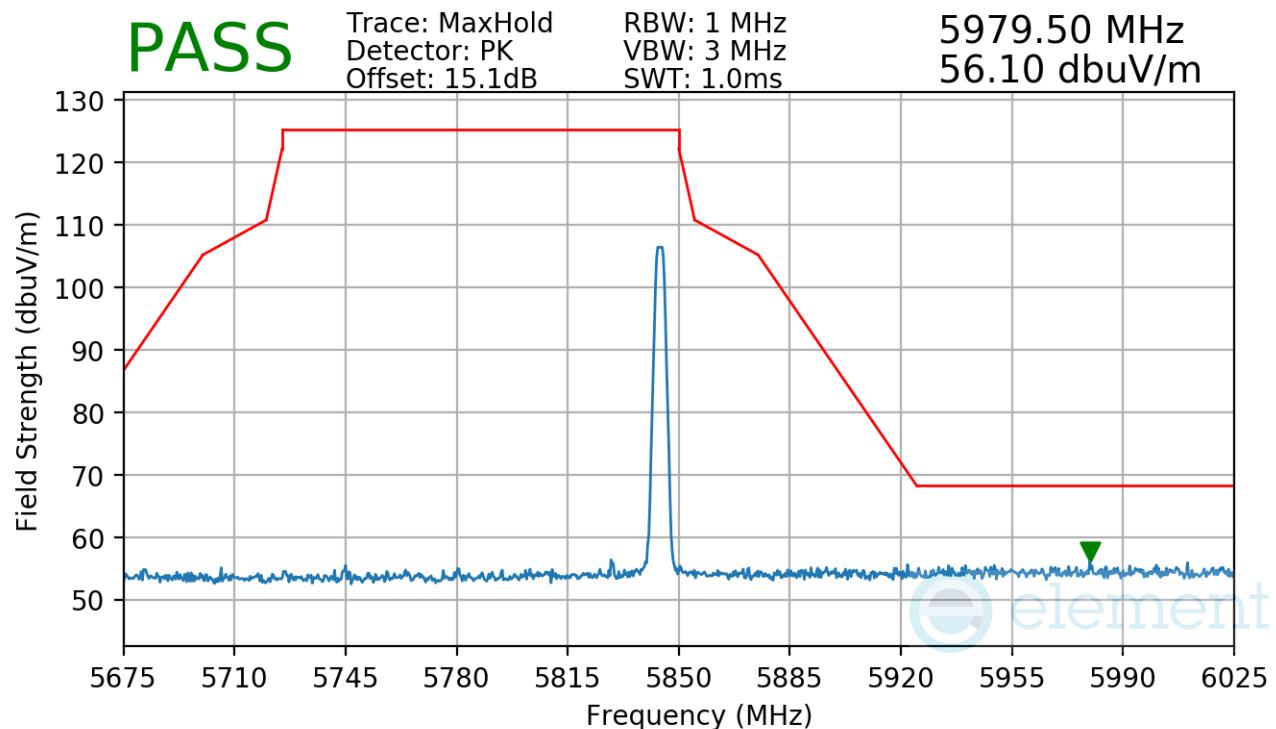
Mode: BDR  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5844MHz



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

FCC ID: BCG-A3056	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230026-06.BCG	Test Dates: 06/26/2024 - 08/04/2024	EUT Type: Wireless Earbud	Page 99 of 122

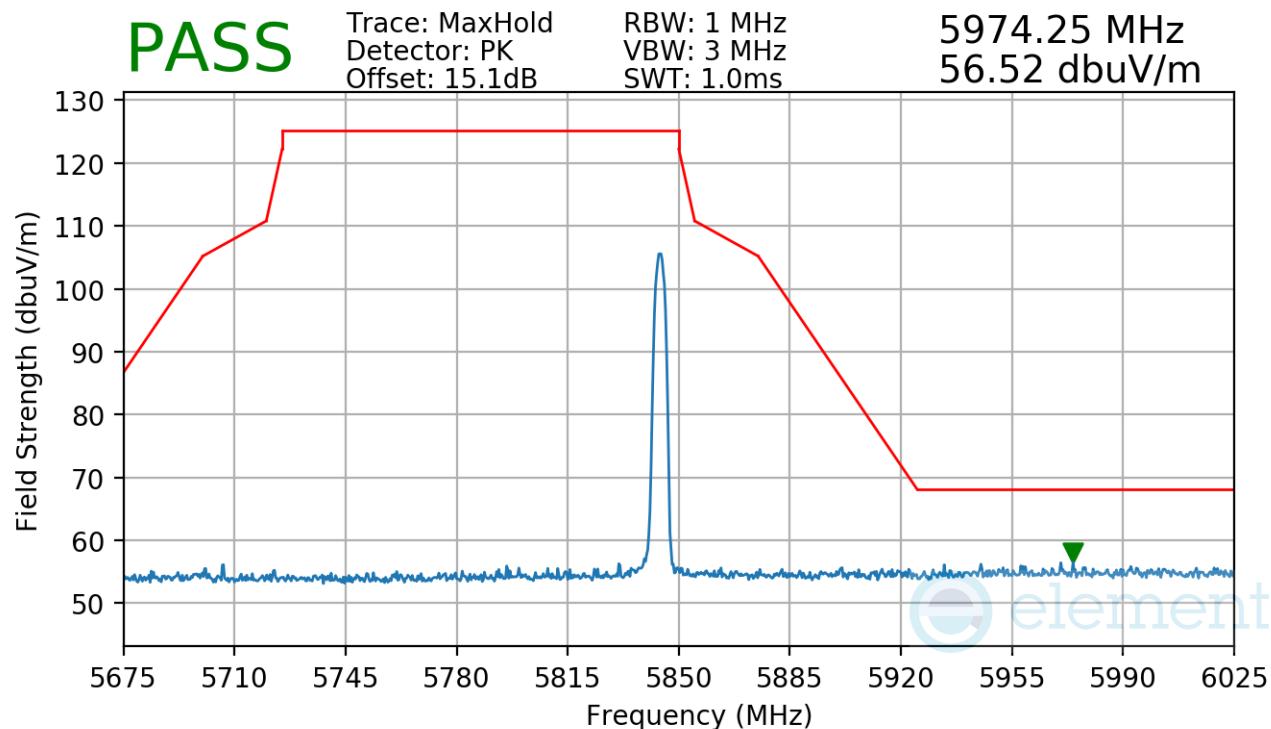
Mode: LE2M  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5844MHz



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

FCC ID: BCG-A3056	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230026-06.BCG	Test Dates: 06/26/2024 - 08/04/2024	EUT Type: Wireless Earbud	Page 100 of 122

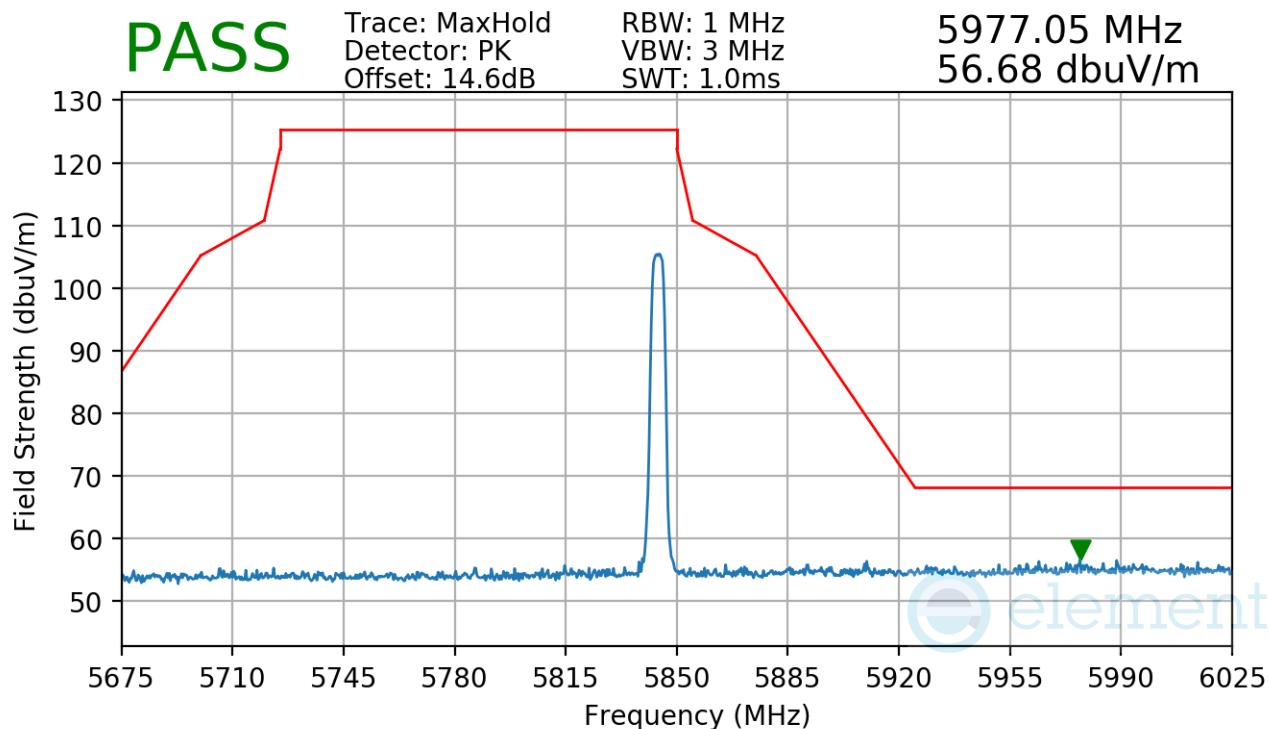
Mode: HDR4  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5844MHz



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

FCC ID: BCG-A3056	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230026-06.BCG	Test Dates: 06/26/2024 - 08/04/2024	EUT Type: Wireless Earbud	Page 101 of 122

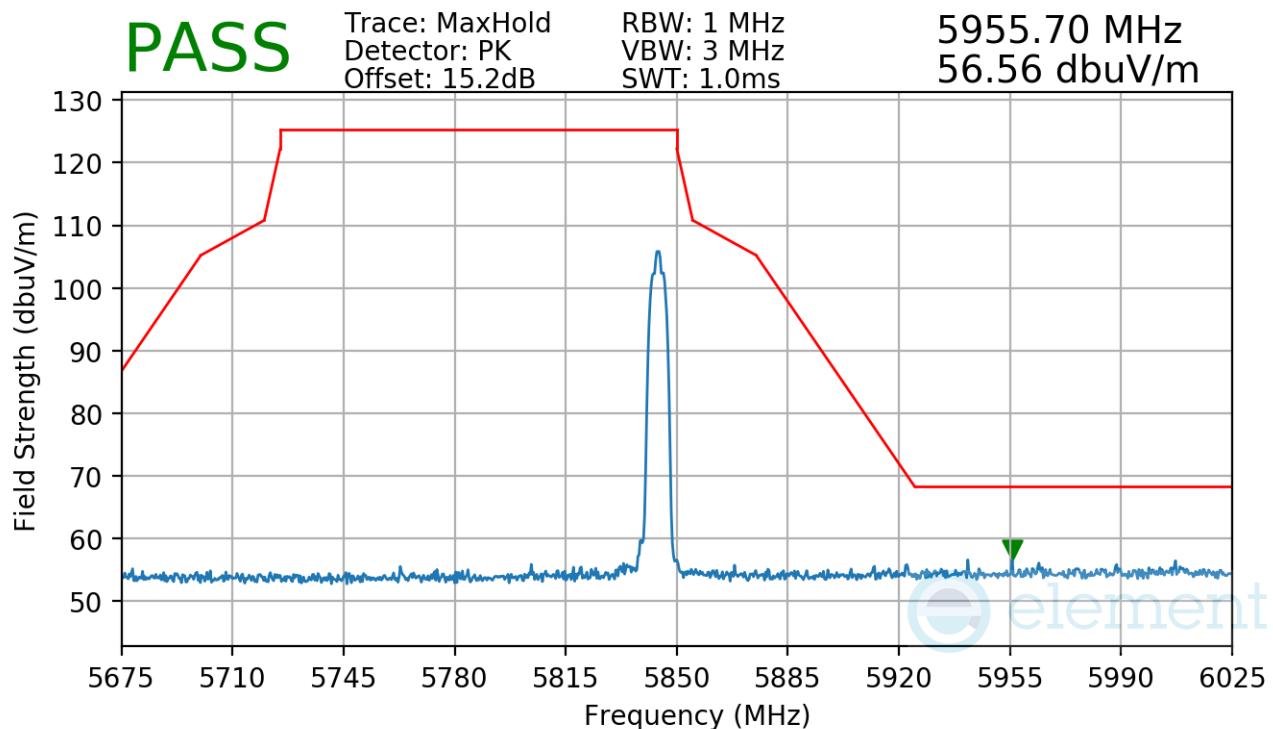
Mode: HDRp4  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5844MHz



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

FCC ID: BCG-A3056	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230026-06.BCG	Test Dates: 06/26/2024 - 08/04/2024	EUT Type: Wireless Earbud	Page 102 of 122

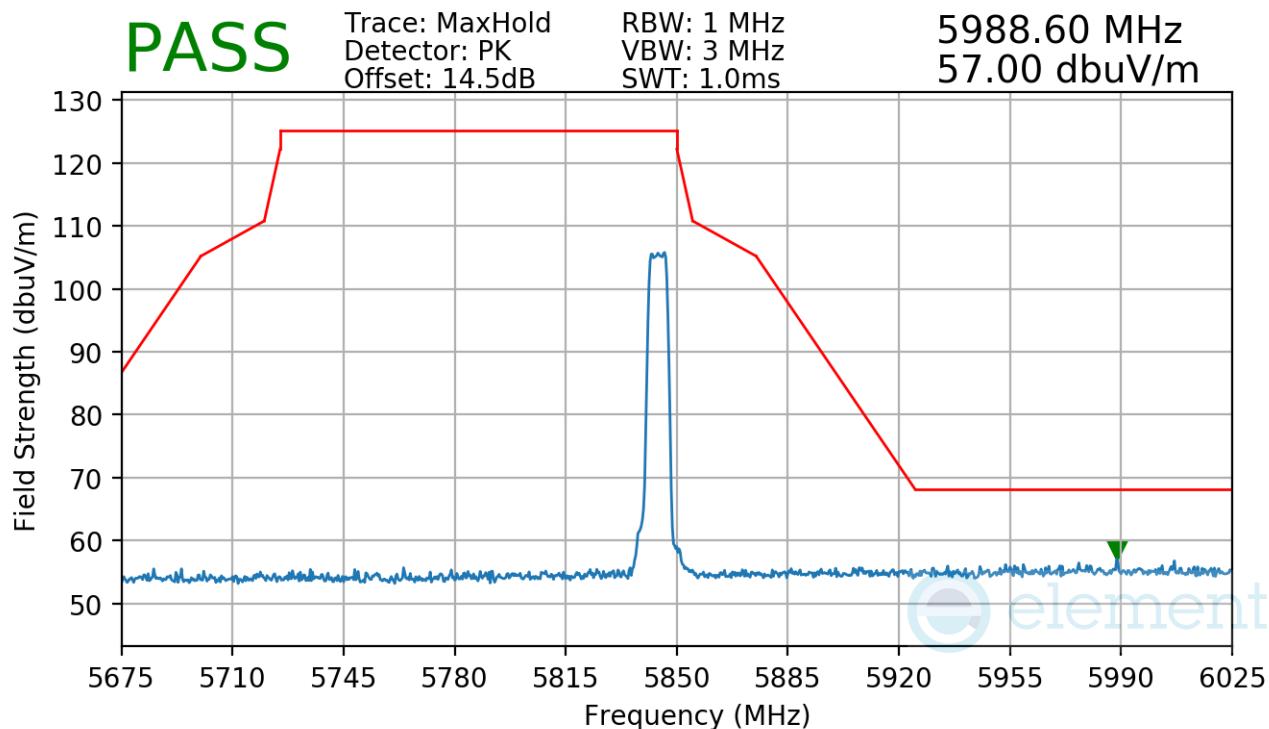
Mode: HDR8  
 Measurement Distance: 3 Meters  
 Operating Frequency: 5844MHz



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

FCC ID: BCG-A3056	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230026-06.BCG	Test Dates: 06/26/2024 - 08/04/2024	EUT Type: Wireless Earbud	Page 103 of 122

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



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

FCC ID: BCG-A3056	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230026-06.BCG	Test Dates: 06/26/2024 - 08/04/2024	EUT Type: Wireless Earbud	Page 104 of 122

## 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

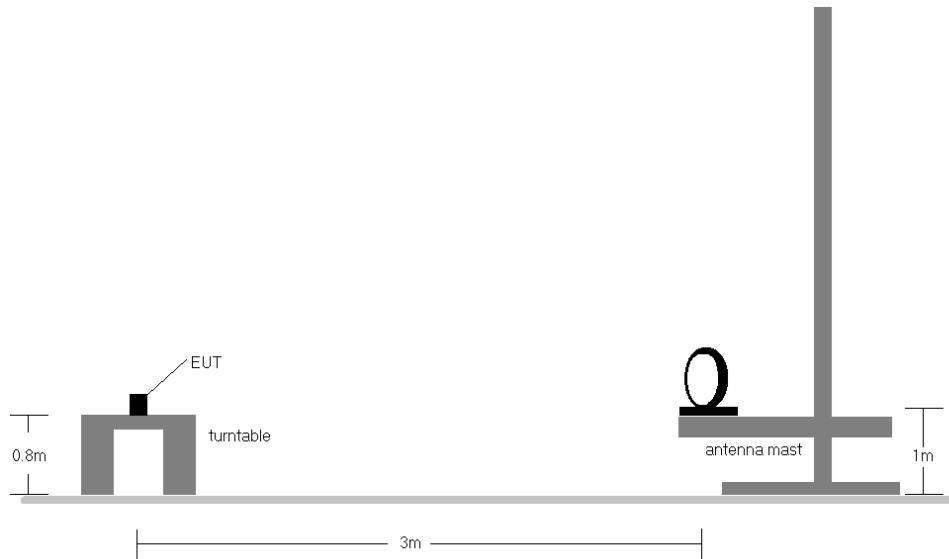
#### Peak Field Strength Measurements

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

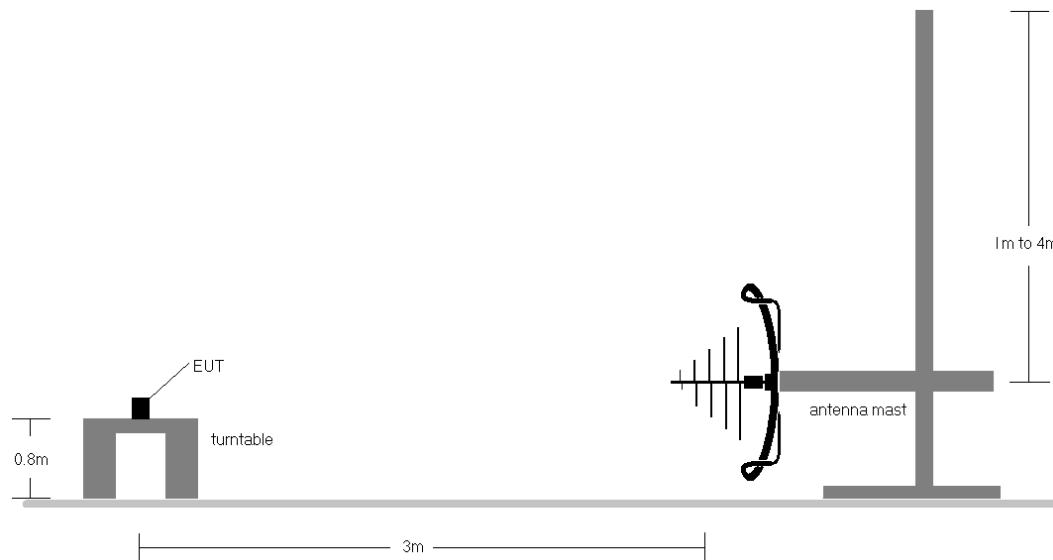
FCC ID: BCG-A3056	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230026-06.BCG	Test Dates: 06/26/2024 - 08/04/2024	EUT Type: Wireless Earbud	Page 105 of 122

### 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-A3056	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230026-06.BCG	Test Dates: 06/26/2024 - 08/04/2024	EUT Type: Wireless Earbud	Page 106 of 122

## 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 modulations 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 UBS-C cable.
  - b. EUT charged by charging case and powered by host PC with USB-C cable.

## Sample Calculations

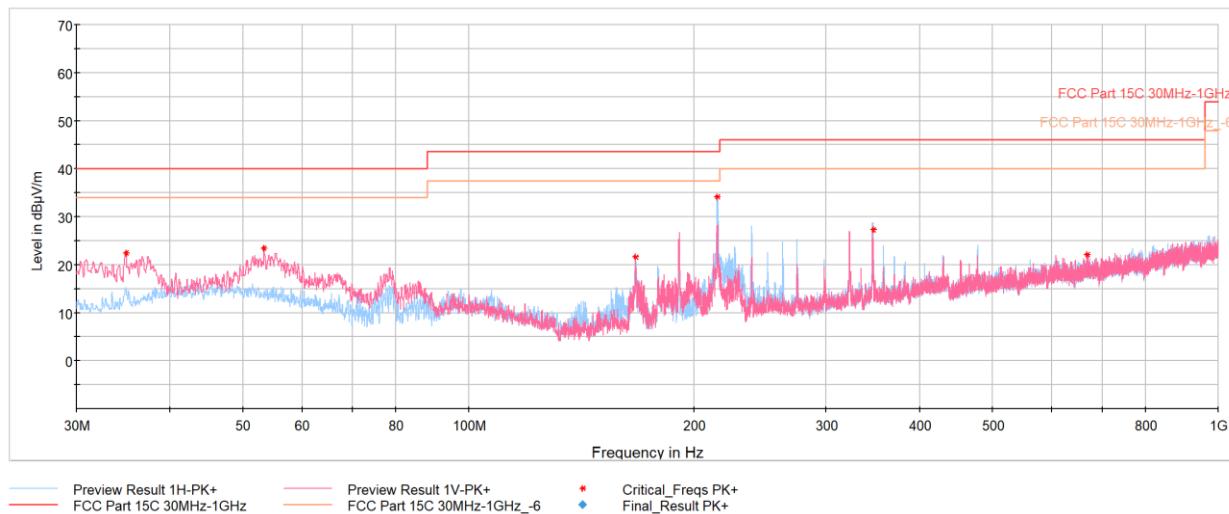
### Determining Spurious Emissions Levels

- 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-A3056	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230026-06.BCG	Test Dates: 06/26/2024 - 08/04/2024	EUT Type: Wireless Earbud	Page 107 of 122

## Radiated Spurious Emissions (Below 1GHz)

§15.209



**Plot 7-123. Radiated Spurious Emissions Below 1GHz (NB UNII BDR – 5157MHz), with AC/DC Adapter and USB-C Cable**

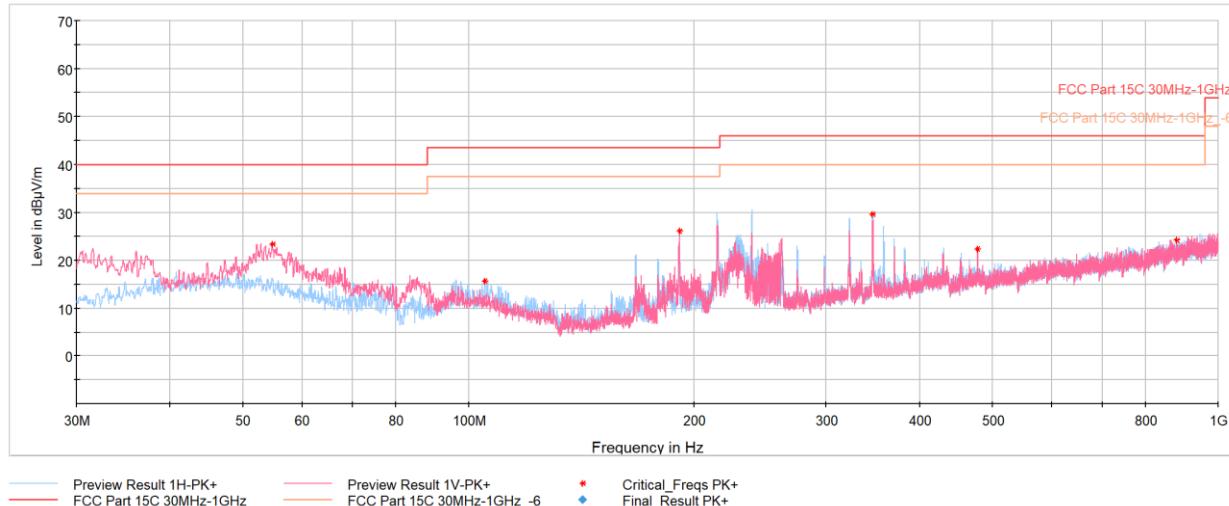
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
34.90	Max Peak	V	100	265	-68.53	-16.06	22.41	40.00	-17.59
53.38	Max Peak	V	100	99	-69.29	-14.20	23.51	40.00	-16.49
166.96	Max Peak	H	200	211	-65.59	-19.83	21.58	43.52	-21.94
214.74	Max Peak	H	100	316	-55.24	-17.57	34.19	43.52	-9.33
346.27	Max Peak	H	100	55	-66.28	-13.39	27.33	46.02	-18.69
668.94	Max Peak	V	100	127	-77.26	-7.60	22.14	46.02	-23.88

**Table 7-33. Radiated Spurious Emissions Below 1GHz (NB UNII BDR – 5157MHz), with AC/DC Adapter and USB-C Cable**

FCC ID: BCG-A3056	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2405230026-06.BCG	Test Dates: 06/26/2024 - 08/04/2024	EUT Type: Wireless Earbud			

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

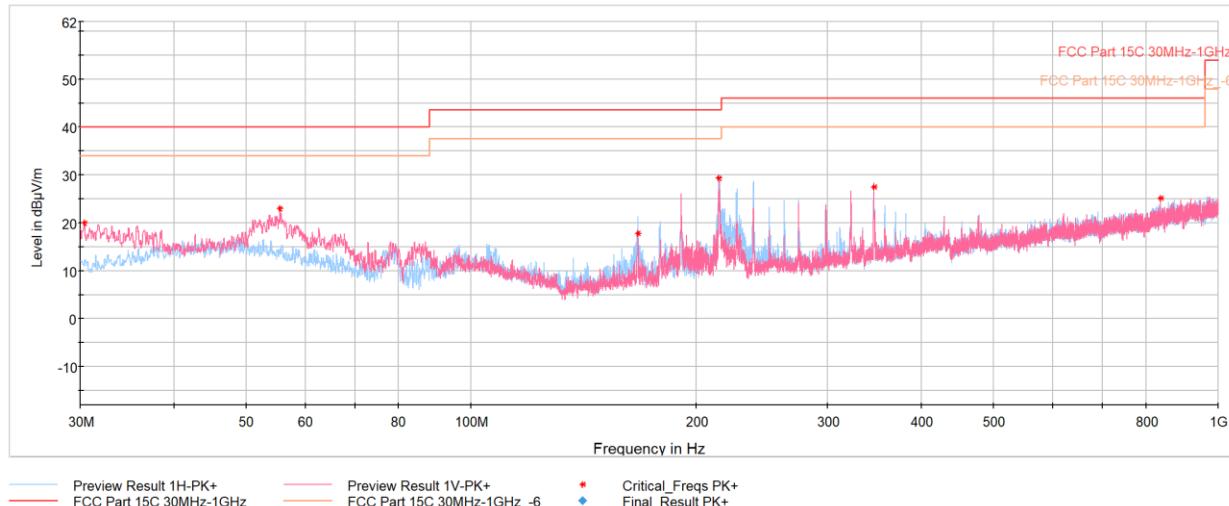
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
54.74	Max Peak	V	100	21	-69.12	-14.45	23.43	40.00	-16.57
105.18	Max Peak	H	200	356	-74.09	-17.21	15.70	43.52	-27.82
191.07	Max Peak	V	100	85	-62.94	-17.98	26.08	43.52	-17.44
345.88	Max Peak	H	100	145	-63.92	-13.42	29.66	46.02	-16.36
476.93	Max Peak	H	200	249	-73.64	-10.96	22.40	46.02	-23.62
879.91	Max Peak	V	300	8	-78.56	-4.17	24.27	46.02	-21.75

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

FCC ID: BCG-A3056	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2405230026-06.BCG	Test Dates: 06/26/2024 - 08/04/2024	EUT Type: Wireless Earbud			

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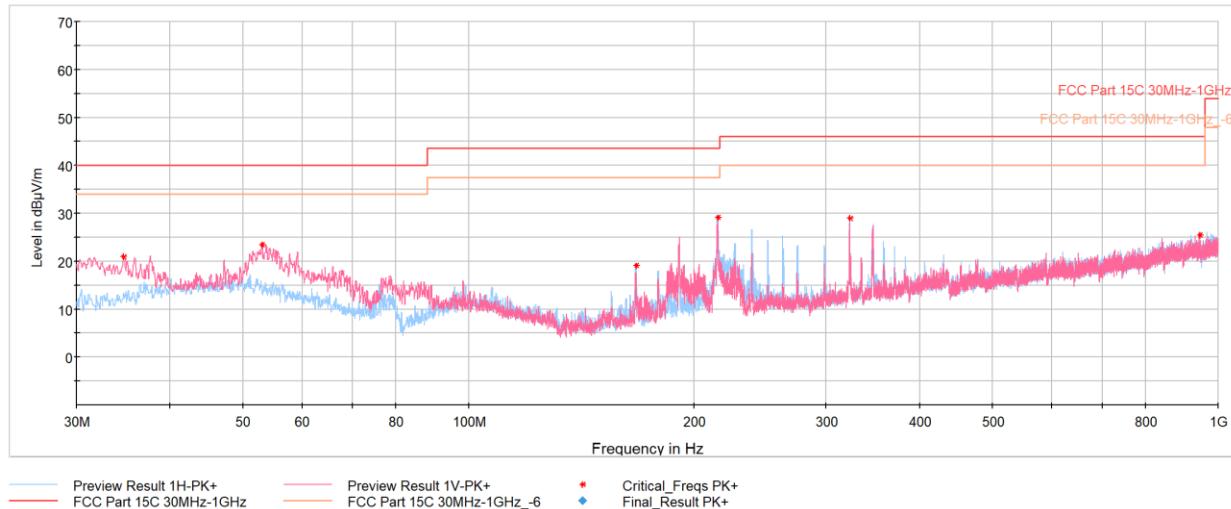


**Plot 7-125. Radiated Spurious Emissions Below 1GHz (NB UNII HDR4 – 5201MHz), with AC/DC Adapter and USB-C Cable**

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]
30.34	Max Peak	V	200	283	-70.57	-16.42	20.01	40.00	-19.99
55.51	Max Peak	V	100	130	-69.37	-14.63	23.00	40.00	-17.00
167.16	Max Peak	V	100	84	-69.29	-19.83	17.88	43.52	-25.64
214.59	Max Peak	H	200	132	-60.09	-17.59	29.32	43.52	-14.20
346.08	Max Peak	H	100	4	-66.12	-13.41	27.47	46.02	-18.55
838.01	Max Peak	V	200	8	-77.36	-4.51	25.13	46.02	-20.89

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

FCC ID: BCG-A3056	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2405230026-06.BCG	Test Dates: 06/26/2024 - 08/04/2024	EUT Type: Wireless Earbud		Page 110 of 122



**Plot 7-126. Radiated Spurious Emissions Below 1GHz (NB UNII HDRp4 – 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]
34.71	Max Peak	V	100	11	-70.00	-16.12	20.88	40.00	-19.12
53.09	Max Peak	V	100	11	-69.36	-14.16	23.48	40.00	-16.52
167.26	Max Peak	H	200	216	-68.03	-19.83	19.14	43.52	-24.38
215.17	Max Peak	H	200	313	-60.35	-17.52	29.13	43.52	-14.39
322.31	Max Peak	H	100	312	-63.61	-14.38	29.01	46.02	-17.01
945.20	Max Peak	H	100	74	-78.10	-3.39	25.51	46.02	-20.51

**Table 7-36. Radiated Spurious Emissions Below 1GHz (NB UNII HDRp4 – 5201MHz), with AC/DC Adapter and USB-C Cable**

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## 7.8 AC Line Conducted Emissions Measurement

§15.207

### Test Overview and Limit

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

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

Frequency of emission (MHz)	Conducted Limit (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

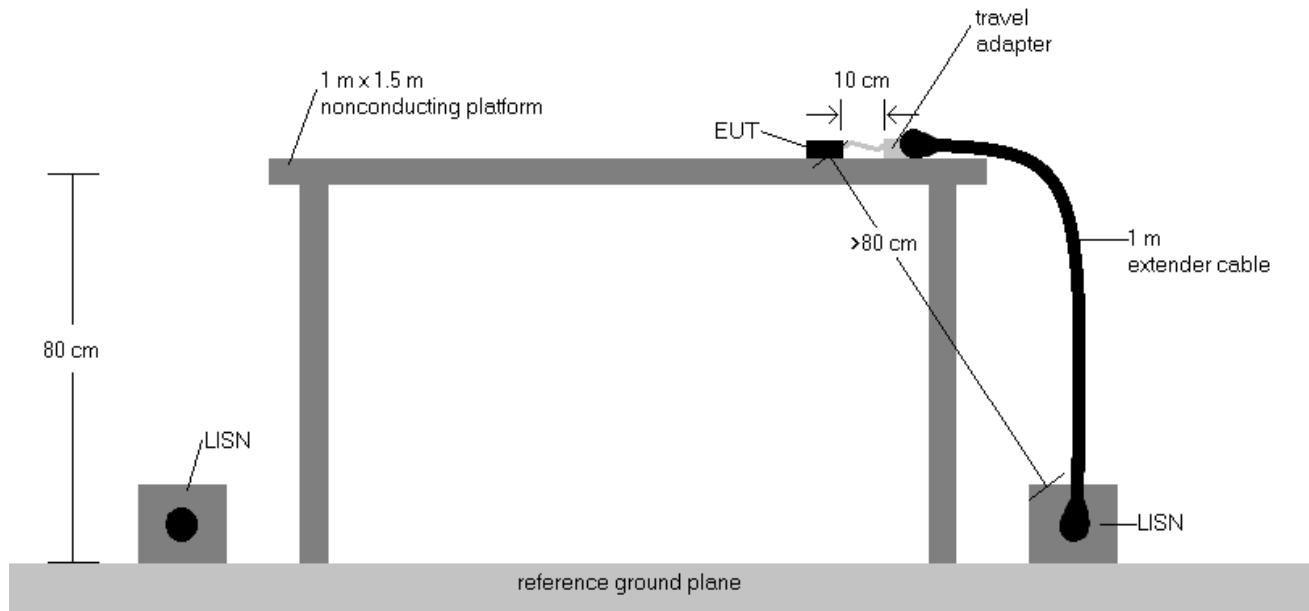
#### Average Measurements

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

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## Test Setup

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

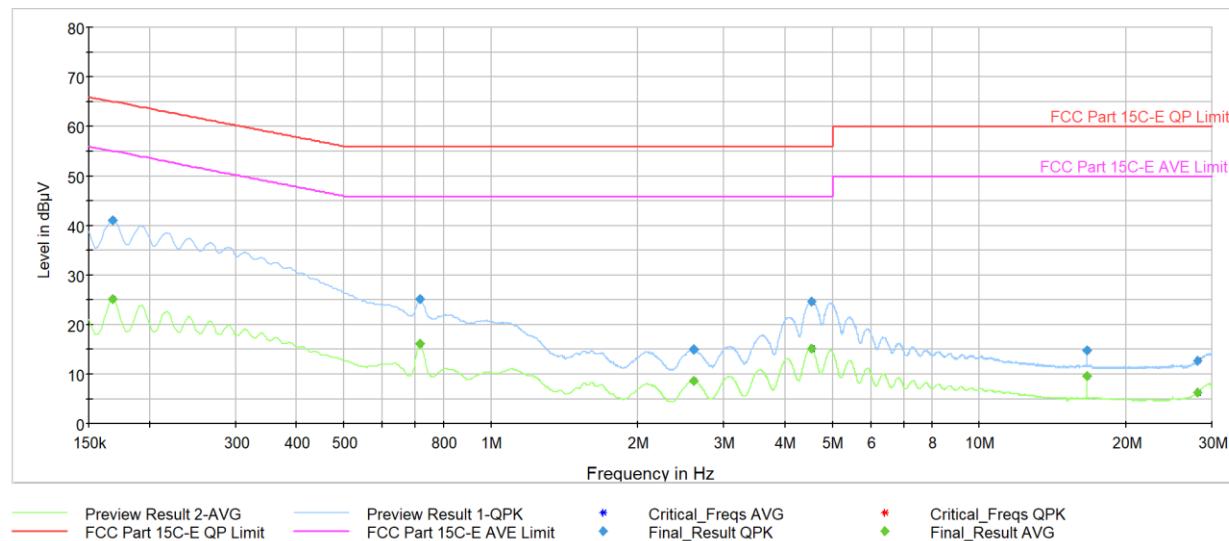


**Figure 7-8. Test Instrument & Measurement Setup**

## Test Notes

1. All modes of operation were investigated and the worst-case emissions are reported. The emissions found were not affected by the choice of channel used during testing.
2. Both configurations below were investigated, and the worst case has been reported.
  - a. EUT 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. 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.

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**Plot 7-127. AC Line Conducted Plot (NB UNII BDR – 5157MHz) (L1) with AC/DC Adapter and USB-C Cable**

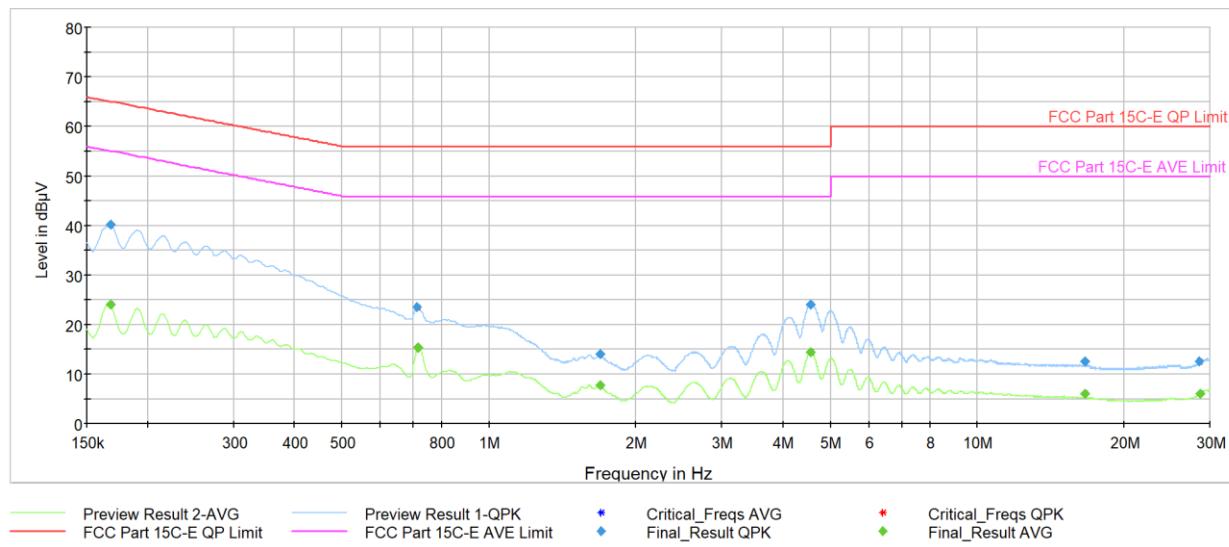
Frequency [MHz]	Process State	QuasiPeak [dB $\mu$ V]	Average [dB $\mu$ V]	Limit [dB $\mu$ V]	Margin [dB]	Line	PE
0.168	FINAL	—	25.21	55.06	-29.85	L1	GND
0.168	FINAL	41.1	—	65.06	-23.99	L1	GND
0.715	FINAL	—	16.13	46.00	-29.87	L1	GND
0.715	FINAL	25.3	—	56.00	-30.72	L1	GND
2.594	FINAL	15.0	—	56.00	-41.05	L1	GND
2.596	FINAL	—	8.68	46.00	-37.32	L1	GND
4.524	FINAL	—	15.25	46.00	-30.75	L1	GND
4.538	FINAL	24.7	—	56.00	-31.35	L1	GND
16.638	FINAL	14.8	—	60.00	-45.18	L1	GND
16.638	FINAL	—	9.56	50.00	-40.44	L1	GND
28.034	FINAL	—	6.30	50.00	-43.70	L1	GND
28.037	FINAL	12.9	—	60.00	-47.15	L1	GND

**Table 7-38. AC Line Conducted Data (NB UNII BDR – 5157MHz) (L1) with AC/DC Adapter and USB-C Cable**

FCC ID: BCG-A3056	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
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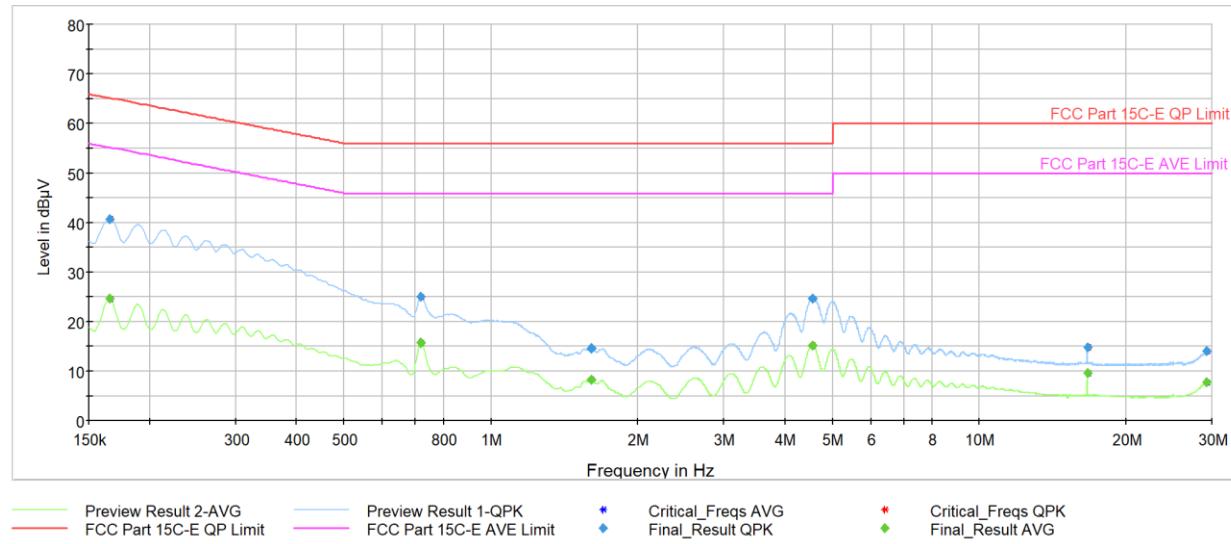


**Plot 7-128. AC Line Conducted Plot (NB UNII BDR – 5157MHz) (N) with AC/DC Adapter and USB-C Cable**

Frequency [MHz]	Process State	QuasiPeak [dB $\mu$ V]	Average [dB $\mu$ V]	Limit [dB $\mu$ V]	Margin [dB]	Line	PE
0.168	FINAL	—	24.09	55.06	-30.97	N	GND
0.168	FINAL	40.2	—	65.06	-24.89	N	GND
0.713	FINAL	23.6	—	56.00	-32.44	N	GND
0.715	FINAL	—	15.46	46.00	-30.54	N	GND
1.685	FINAL	14.0	—	56.00	-42.01	N	GND
1.687	FINAL	—	7.80	46.00	-38.20	N	GND
4.556	FINAL	24.0	—	56.00	-31.99	N	GND
4.558	FINAL	—	14.38	46.00	-31.62	N	GND
16.638	FINAL	12.7	—	60.00	-47.33	N	GND
16.638	FINAL	—	6.17	50.00	-43.83	N	GND
28.541	FINAL	12.5	—	60.00	-47.48	N	GND
28.601	FINAL	—	6.04	50.00	-43.96	N	GND

**Table 7-39. AC Line Conducted (NB UNII BDR – 5157MHz) (N) with AC/DC Adapter and USB-C Cable**

FCC ID: BCG-A3056	 <b>element</b> <b>MEASUREMENT REPORT (CERTIFICATION)</b>			Approved by: Technical Manager
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**Plot 7-129. AC Line Conducted Plot (NB UNII LE2M – 5157MHz) (L1) with AC/DC Adapter and USB-C Cable**

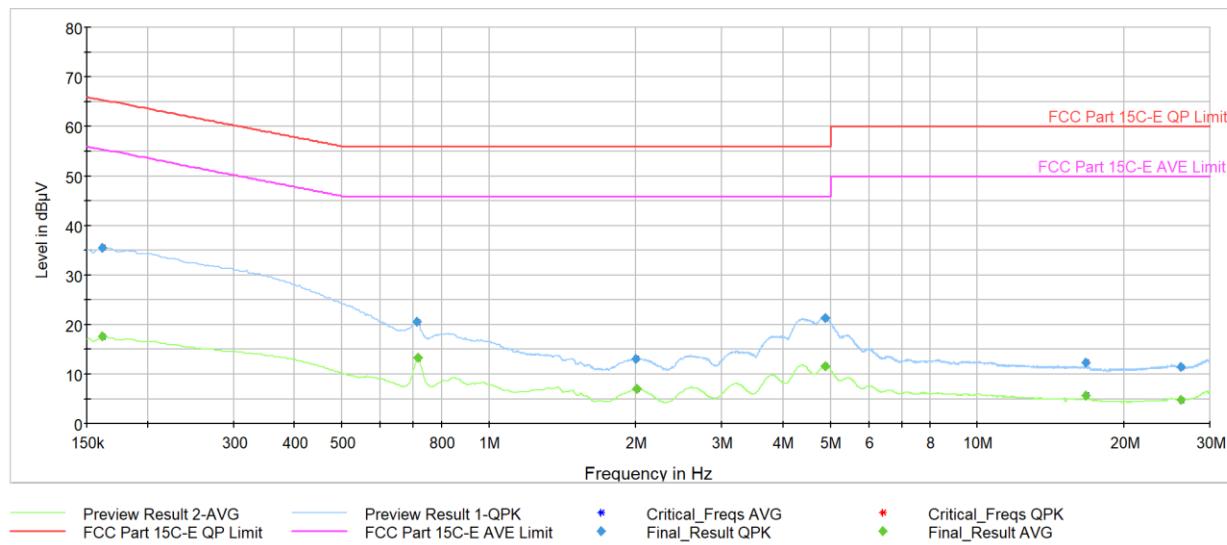
Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.166	FINAL	—	24.64	55.17	-30.53	L1	GND
0.166	FINAL	40.7	—	65.17	-24.49	L1	GND
0.719	FINAL	—	15.79	46.00	-30.21	L1	GND
0.719	FINAL	25.0	—	56.00	-30.98	L1	GND
1.606	FINAL	—	8.25	46.00	-37.75	L1	GND
1.606	FINAL	14.7	—	56.00	-41.29	L1	GND
4.551	FINAL	—	15.18	46.00	-30.82	L1	GND
4.562	FINAL	24.7	—	56.00	-31.35	L1	GND
16.649	FINAL	14.9	—	60.00	-45.14	L1	GND
16.649	FINAL	—	9.59	50.00	-40.41	L1	GND
29.225	FINAL	14.1	—	60.00	-45.91	L1	GND
29.234	FINAL	—	7.73	50.00	-42.27	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-A3056	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
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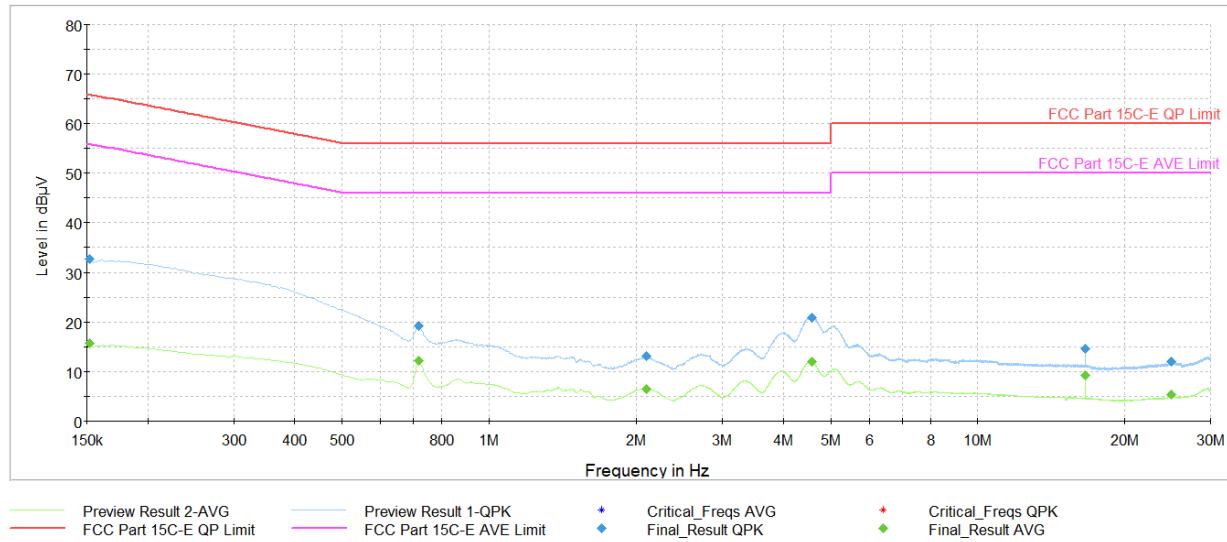


**Plot 7-130. AC Line Conducted Plot (NB UNII LE2M – 5157MHz) (N) with AC/DC Adapter and USB-C Cable**

Frequency [MHz]	Process State	QuasiPeak [dB $\mu$ V]	Average [dB $\mu$ V]	Limit [dB $\mu$ V]	Margin [dB]	Line	PE
0.161	FINAL	—	17.58	55.40	-37.82	N	GND
0.161	FINAL	35.6	—	65.40	-29.82	N	GND
0.713	FINAL	20.6	—	56.00	-35.44	N	GND
0.715	FINAL	—	13.28	46.00	-32.72	N	GND
2.000	FINAL	13.2	—	56.00	-42.83	N	GND
2.002	FINAL	—	6.95	46.00	-39.05	N	GND
4.875	FINAL	—	11.66	46.00	-34.34	N	GND
4.877	FINAL	21.4	—	56.00	-34.62	N	GND
16.654	FINAL	12.4	—	60.00	-47.65	N	GND
16.654	FINAL	—	5.81	50.00	-44.19	N	GND
26.099	FINAL	—	4.84	50.00	-45.16	N	GND
26.124	FINAL	11.6	—	60.00	-48.43	N	GND

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

FCC ID: BCG-A3056	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
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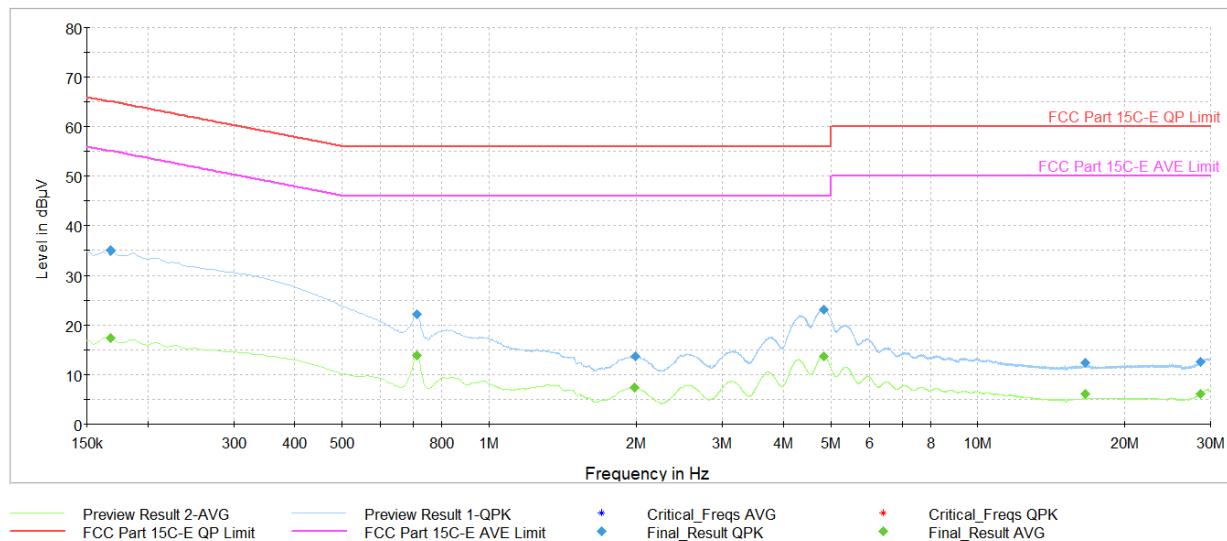


**Plot 7-131. AC Line Conducted Plot (NB UNII HDR4 – 5201MHz) (L1) with AC/DC Adapter and USB-C Cable**

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.152	FINAL	—	15.72	55.88	-40.16	L1	GND
0.152	FINAL	32.8	—	65.88	-33.06	L1	GND
0.719	FINAL	—	12.23	46.00	-33.77	L1	GND
0.719	FINAL	19.3	—	56.00	-36.71	L1	GND
2.096	FINAL	13.1	—	56.00	-42.89	L1	GND
2.099	FINAL	—	6.50	46.00	-39.50	L1	GND
4.565	FINAL	—	12.07	46.00	-33.93	L1	GND
4.567	FINAL	21.0	—	56.00	-35.01	L1	GND
16.640	FINAL	14.5	—	60.00	-45.46	L1	GND
16.640	FINAL	—	9.29	50.00	-40.71	L1	GND
24.959	FINAL	—	5.45	50.00	-44.56	L1	GND
24.959	FINAL	12.1	—	60.00	-47.91	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-A3056	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2405230026-06.BCG	Test Dates: 06/26/2024 - 08/04/2024	EUT Type: Wireless Earbud			

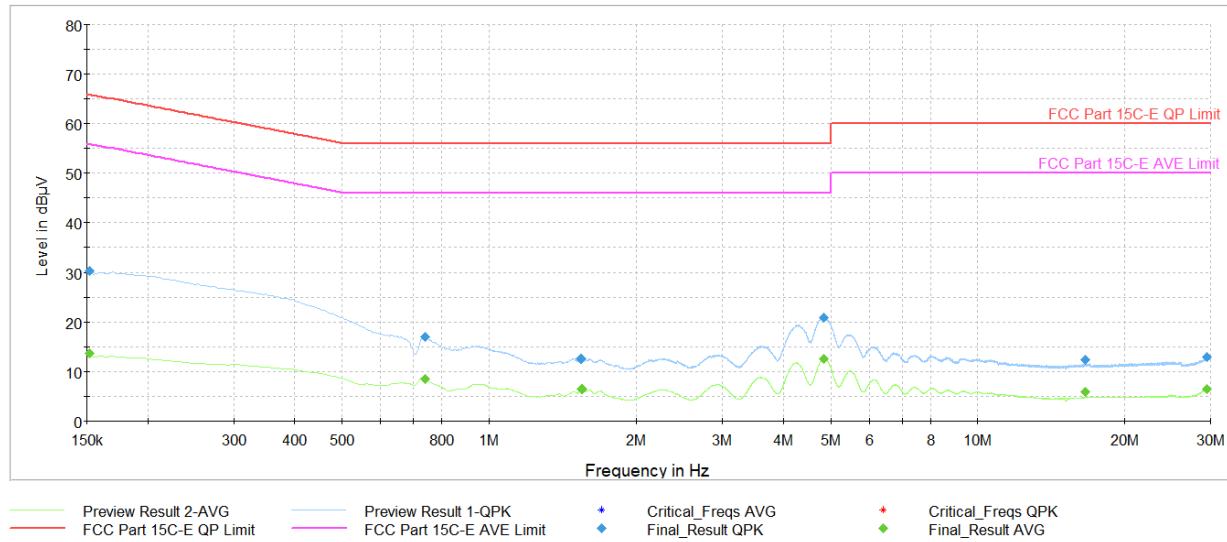


**Plot 7-132. AC Line Conducted Plot (NB UNII HDR4 – 5201MHz) (N) with AC/DC Adapter and USB-C Cable**

Frequency [MHz]	Process State	QuasiPeak [dB $\mu$ V]	Average [dB $\mu$ V]	Limit [dB $\mu$ V]	Margin [dB]	Line	PE
0.168	FINAL	—	17.43	55.06	-37.63	N	GND
0.168	FINAL	35.0	—	65.06	-30.04	N	GND
0.713	FINAL	—	13.97	46.00	-32.03	N	GND
0.713	FINAL	22.3	—	56.00	-33.75	N	GND
1.984	FINAL	—	7.39	46.00	-38.61	N	GND
1.986	FINAL	13.7	—	56.00	-42.35	N	GND
4.839	FINAL	23.1	—	56.00	-32.86	N	GND
4.839	FINAL	—	13.77	46.00	-32.23	N	GND
16.629	FINAL	12.4	—	60.00	-47.57	N	GND
16.629	FINAL	—	6.13	50.00	-43.87	N	GND
28.604	FINAL	12.6	—	60.00	-47.37	N	GND
28.640	FINAL	—	6.19	50.00	-43.81	N	GND

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

FCC ID: BCG-A3056	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2405230026-06.BCG	Test Dates: 06/26/2024 - 08/04/2024	EUT Type: Wireless Earbud			



**Plot 7-133. AC Line Conducted Plot (NB UNII HDRp4 – 5201MHz) (L1) with AC/DC Adapter and USB-C Cable**

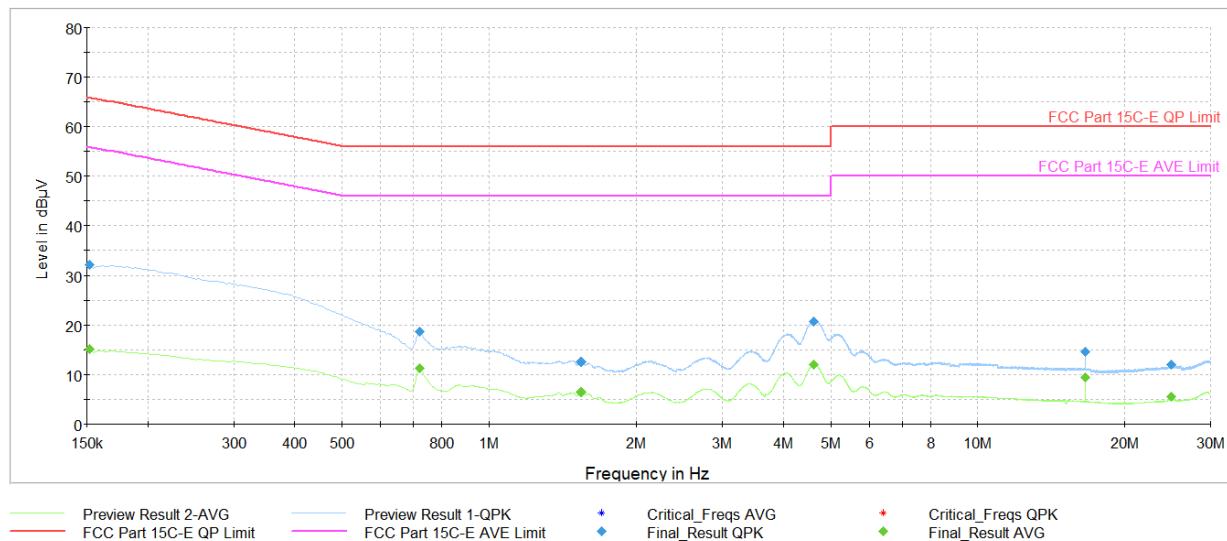
Frequency [MHz]	Process State	QuasiPeak [dB $\mu$ V]	Average [dB $\mu$ V]	Limit [dB $\mu$ V]	Margin [dB]	Line	PE
0.152	FINAL	—	15.23	55.88	-40.64	L1	GND
0.152	FINAL	32.3	—	65.88	-33.56	L1	GND
0.722	FINAL	—	11.30	46.00	-34.70	L1	GND
0.722	FINAL	18.6	—	56.00	-37.38	L1	GND
1.541	FINAL	—	6.42	46.00	-39.58	L1	GND
1.541	FINAL	12.6	—	56.00	-43.41	L1	GND
4.612	FINAL	—	12.08	46.00	-33.92	L1	GND
4.614	FINAL	20.8	—	56.00	-35.19	L1	GND
16.629	FINAL	14.6	—	60.00	-45.40	L1	GND
16.629	FINAL	—	9.37	50.00	-40.63	L1	GND
24.943	FINAL	—	5.47	50.00	-44.53	L1	GND
24.943	FINAL	12.0	—	60.00	-48.03	L1	GND

**Table 7-44. AC Line Conducted Data (NB UNII HDRp4 – 5201MHz) (L1) with AC/DC Adapter and USB-C Cable**

FCC ID: BCG-A3056	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2405230026-06.BCG	Test Dates: 06/26/2024 - 08/04/2024	EUT Type: Wireless Earbud			

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**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
0.152	FINAL	—	13.72	55.88	-42.15	N	GND
0.152	FINAL	30.3	—	65.88	-35.57	N	GND
0.740	FINAL	—	8.49	46.00	-37.51	N	GND
0.740	FINAL	17.0	—	56.00	-39.01	N	GND
1.541	FINAL	12.7	—	56.00	-43.33	N	GND
1.545	FINAL	—	6.43	46.00	-39.57	N	GND
4.837	FINAL	—	12.68	46.00	-33.32	N	GND
4.841	FINAL	20.9	—	56.00	-35.09	N	GND
16.640	FINAL	12.3	—	60.00	-47.68	N	GND
16.640	FINAL	—	5.85	50.00	-44.15	N	GND
29.510	FINAL	12.9	—	60.00	-47.13	N	GND
29.544	FINAL	—	6.41	50.00	-43.59	N	GND

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

FCC ID: BCG-A3056	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2405230026-06.BCG	Test Dates: 06/26/2024 - 08/04/2024	EUT Type: Wireless Earbud			

## 8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Apple Wireless Left Earbud**

**FCC ID: BCG-A3056** is in compliance with Part 15 Subpart E (15.407) of the FCC Rules.

FCC ID: BCG-A3056	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230026-06.BCG	Test Dates: 06/26/2024 - 08/04/2024	EUT Type: Wireless Earbud	Page 122 of 122