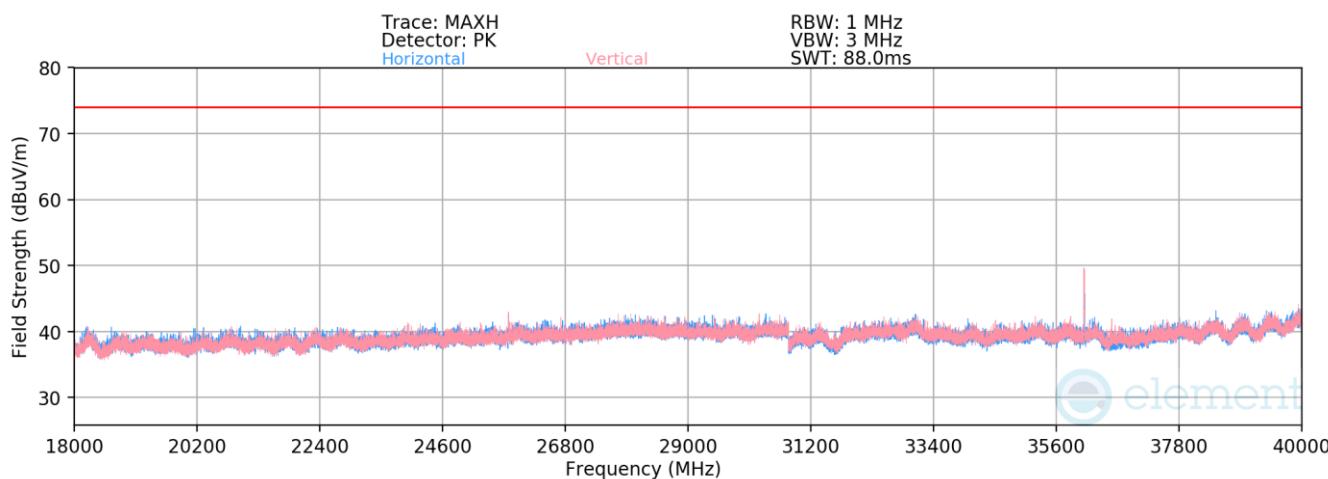


Plot 7-85. Radiated Spurious Emissions 1-18GHz (NB UNII HDRp4 – 5157MHz)



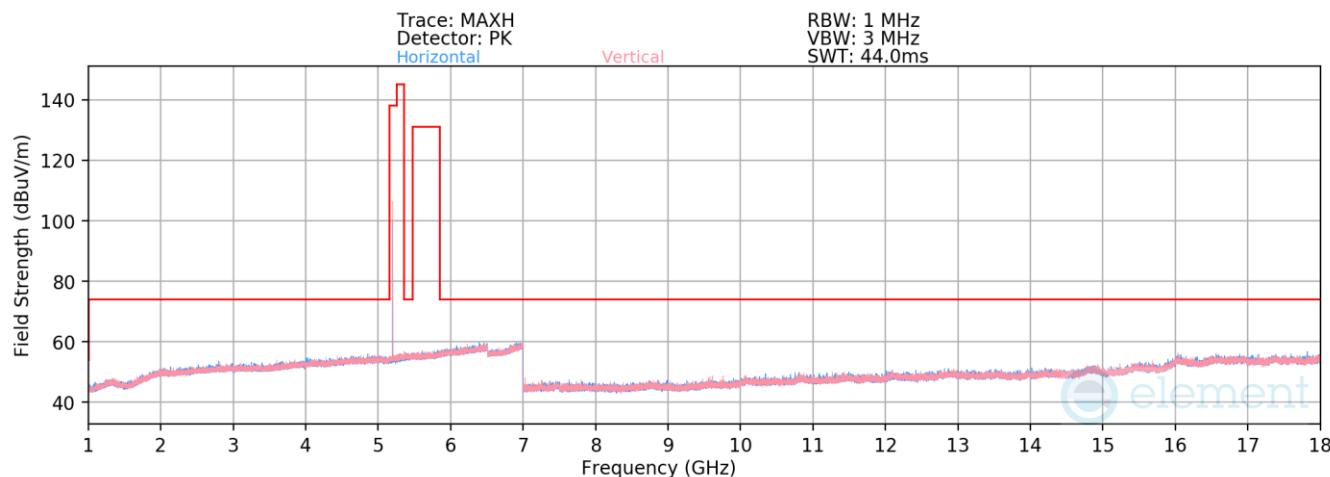
Plot 7-86. Radiated Spurious Emissions 18-40GHz (NB UNII HDRp4 – 5157MHz)

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

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Duty Cycle Correction [dB]	Field Strength [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]
10314.00	Peak	V	-	-	-70.34	12.42	0.00	49.08	68.23	-19.15
* 15471.00	Avg	V	384	282	-81.58	19.43	0.58	45.42	53.98	-8.56
* 15471.00	Peak	V	384	282	-70.72	19.43	0.00	55.71	73.98	-18.27
* 20628.00	Avg	H	150	123	-69.70	-6.75	0.58	31.13	53.98	-22.85
* 20628.00	Peak	H	150	123	-58.99	-6.75	0.00	41.26	73.98	-32.72
25785.00	Peak	H	352	25	-56.92	-4.71	0.00	45.37	68.23	-22.86
30942.00	Peak	H	150	188	-61.46	-2.34	0.00	43.20	68.23	-25.03
36099.00	Peak	V	351	186	-47.54	-6.15	0.00	53.32	68.23	-14.92

Table 7-17. Radiated Spurious Emissions Measurements

FCC ID: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)					Approved by: Technical Manager
Test Report S/N: 1C2405230027-06.BCG	Test Dates: 06/25/2024 - 8/20/2024	EUT Type: Wireless Earbud					Page 72 of 122



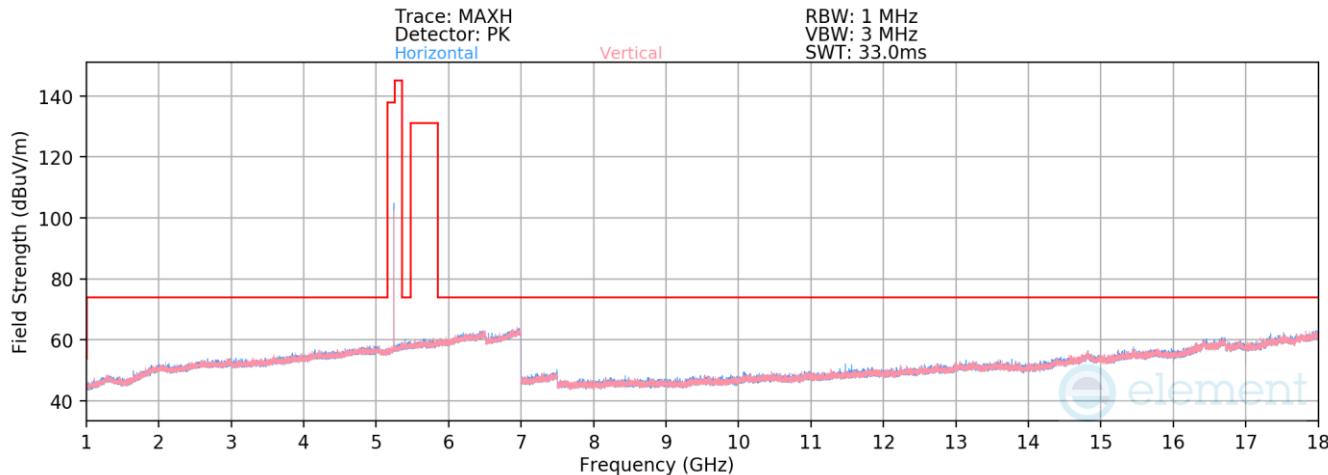
Plot 7-87. Radiated Spurious Emissions 1-18GHz (NB UNII HDRp4 – 5201MHz)

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]	Duty Cycle Correction [dB]	Field Strength [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]
10402.00	Peak	H	-	-	-66.57	7.76	0.00	48.19	68.23	-20.04
* 15603.00	Avg	V	298	214	-80.28	15.90	0.58	43.19	53.98	-10.79
* 15603.00	Peak	V	298	214	-69.85	15.90	0.00	53.04	73.98	-20.94

Table 7-18. Radiated Spurious Emissions Measurements

FCC ID: BCGA3157	 MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2405230027-06.BCG	Test Dates: 06/25/2024 - 8/20/2024	EUT Type: Wireless Earbud		Page 73 of 122



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

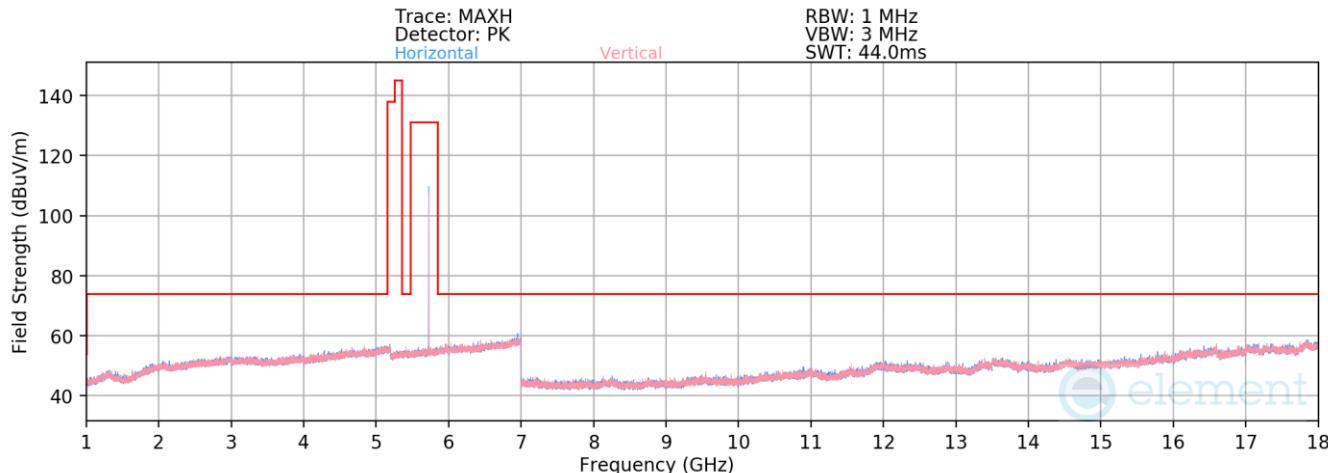
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]
10490.00	Peak	V	-	-	-70.59	12.78	49.18	68.23	-19.05
* 15735.00	Avg	V	-	-	-82.57	19.75	44.17	53.98	-9.81
* 15735.00	Peak	V	-	-	-72.16	19.75	54.58	73.98	-19.40

Table 7-19. Radiated Spurious Emissions Measurements

FCC ID: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2405230027-06.BCG	Test Dates: 06/25/2024 - 8/20/2024	EUT Type: Wireless Earbud			

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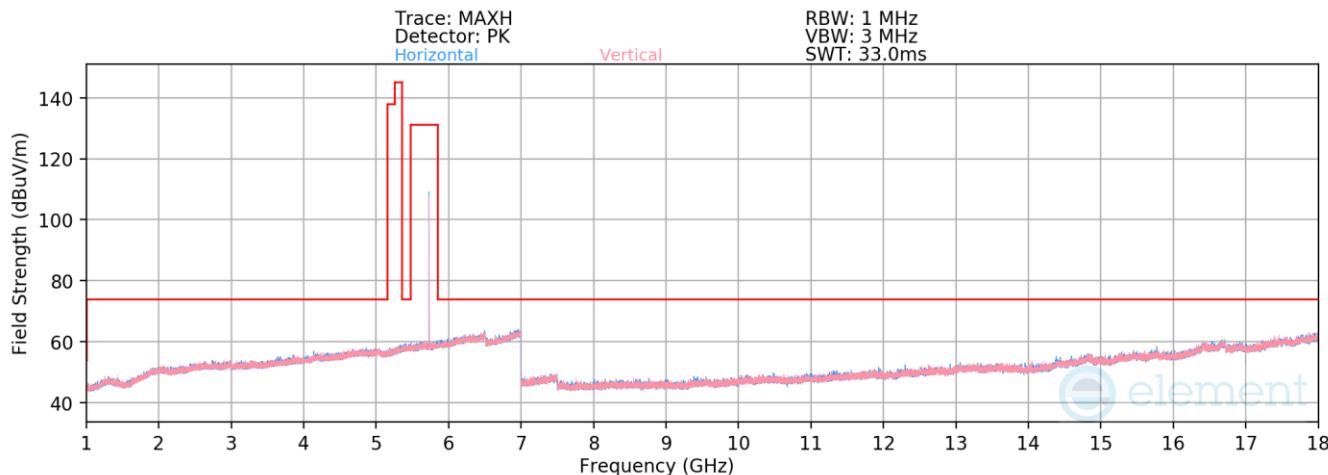
Plot 7-89. Radiated Spurious Emissions 1-18GHz (NB UNII BDR – 5731MHz)

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

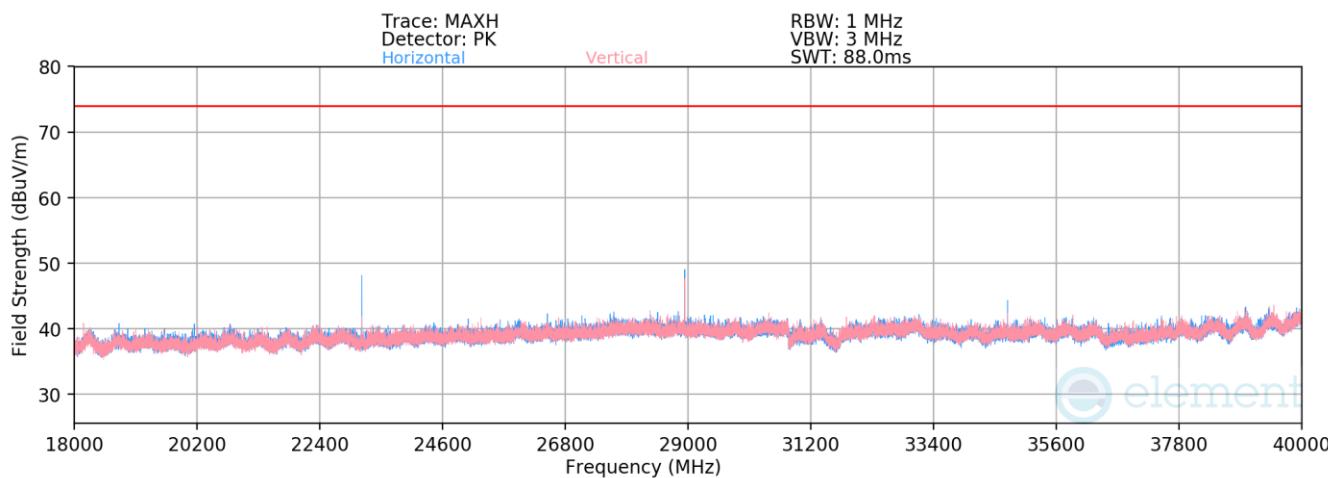
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Duty Cycle Correction [dB]	Field Strength [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]
* 11462.00	Avg	V	263	312	-79.41	13.59	1.16	42.33	53.98	-11.65
* 11462.00	Peak	V	263	312	-70.35	13.59	0.00	50.24	73.98	-23.74
* 17193.00	Peak	V	197	81	-70.62	23.30	0.00	59.68	68.23	-8.55

Table 7-20. Radiated Spurious Emissions Measurements

FCC ID: BCGA3157	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2405230027-06.BCG	Test Dates: 06/25/2024 - 8/20/2024	EUT Type: Wireless Earbud		Page 75 of 122



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



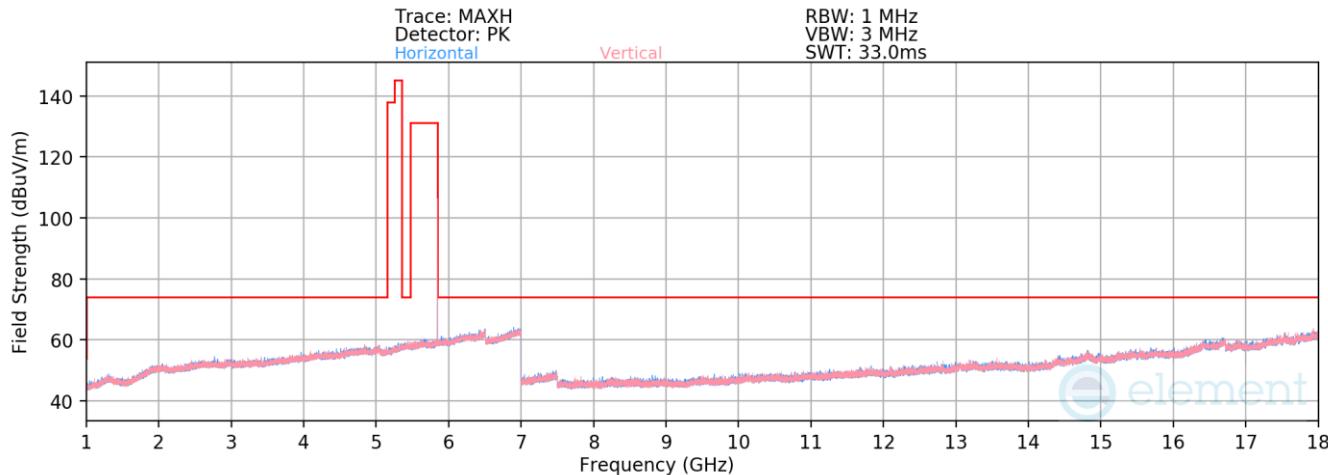
Plot 7-91. Radiated Spurious Emissions 18-40GHz (NB UNII BDR – 5788MHz)

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]	Duty Cycle Correction [dB]	Field Strength [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]
* 11576.00	Avg	H	255	168	-77.39	12.14	1.16	42.91	53.98	-11.07
* 11576.00	Peak	H	255	168	-68.80	12.14	0.00	50.34	73.98	-23.64
17364.00	Peak	H	235	158	-68.96	21.45	0.00	59.49	68.23	-8.74
23152.00	Peak	H	339	126	-55.61	-6.23	0.00	45.16	68.23	-23.07
28940.00	Peak	V	157	338	-54.62	-2.96	0.00	49.43	68.23	-18.80
34728.00	Peak	V	342	196	-57.77	-3.68	0.00	45.55	68.23	-22.68

Table 7-21. Radiated Spurious Emissions Measurements

FCC ID: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)					Approved by: Technical Manager
Test Report S/N: 1C2405230027-06.BCG	Test Dates: 06/25/2024 - 8/20/2024	EUT Type: Wireless Earbud					



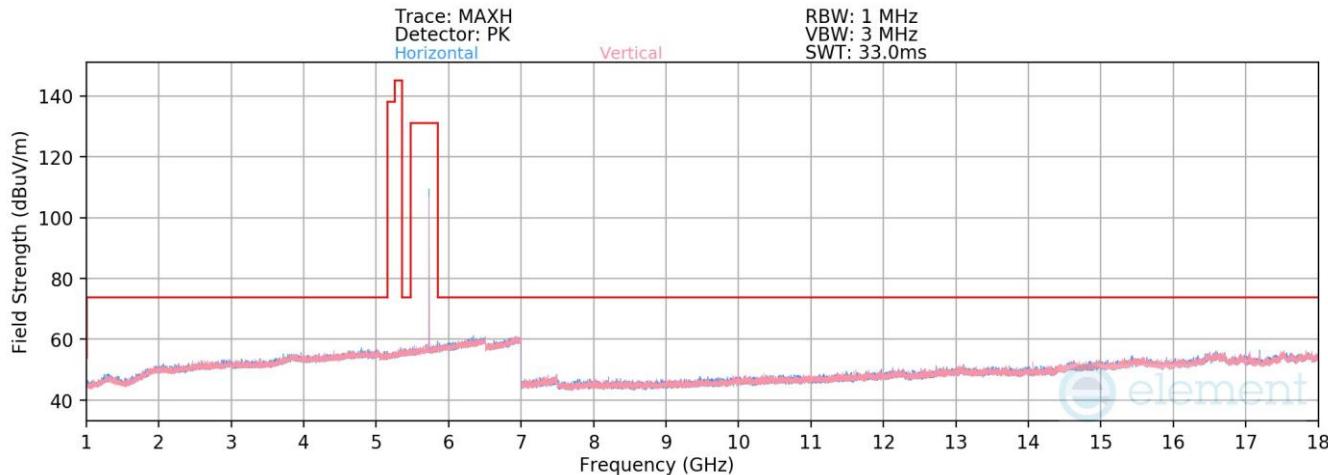
Plot 7-92. Radiated Spurious Emissions 1-18GHz (NB UNII BDR – 5844MHz)

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]	Duty Cycle Correction [dB]	Field Strength [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]
* 11688.00	Avg	V	305	319	-79.49	13.78	1.16	42.44	53.98	-11.54
* 11688.00	Peak	V	305	319	-69.83	13.78	0.00	50.95	73.98	-23.03
17532.00	Peak	V	-	-	-71.20	25.33	0.00	61.13	68.23	-7.10

Table 7-22. Radiated Spurious Emissions Measurements

FCC ID: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Technical Manager
Test Report S/N: 1C2405230027-06.BCG	Test Dates: 06/25/2024 - 8/20/2024	EUT Type: Wireless Earbud				



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

Mode: LE
 Data Rate: 2Mbps
 Distance of Measurements: 3 Meters
 Operating Frequency: 5731MHz

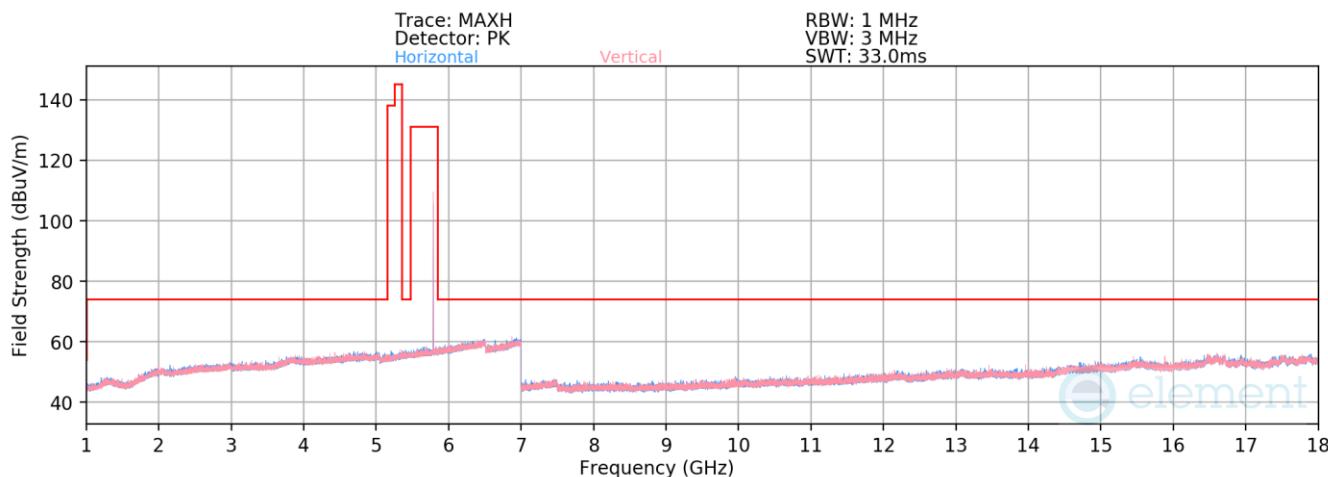
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
* 11462.00	Avg	H	-	-	-79.03	9.72	37.70	53.98	-16.29
* 11462.00	Peak	H	-	-	-68.09	9.72	48.64	73.98	-25.34
17193.00	Peak	H	-	-	-69.41	16.45	54.05	68.23	-14.18

Table 7-23. Radiated Spurious Emissions Measurements

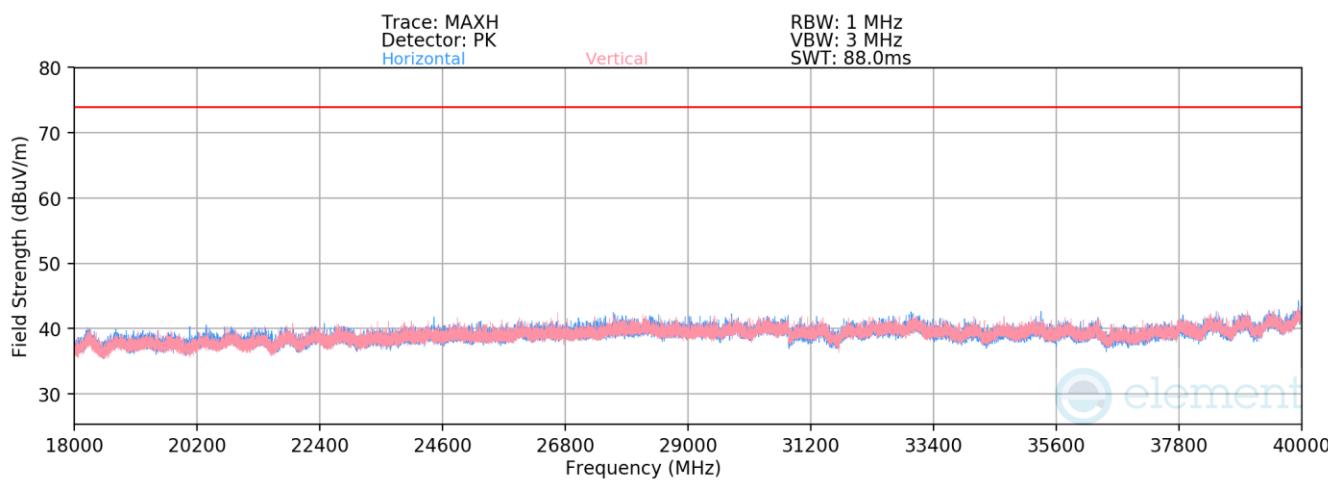
FCC ID: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2405230027-06.BCG	Test Dates: 06/25/2024 - 8/20/2024	EUT Type: Wireless Earbud			

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Plot 7-94. Radiated Spurious Emissions 1-18GHz (NB UNII LE2M – 5788MHz)



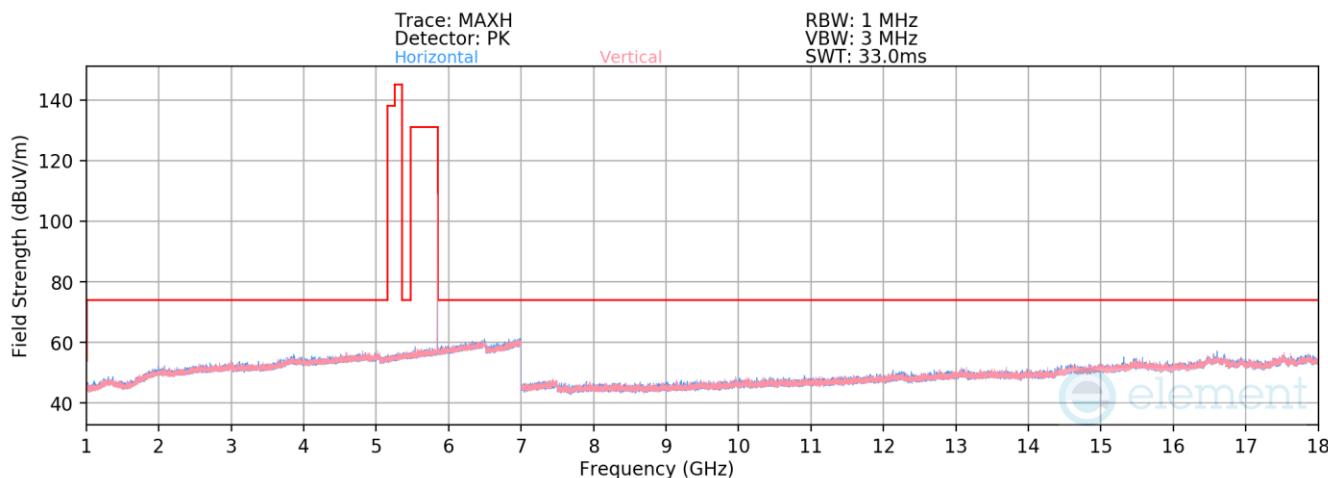
Plot 7-94. Radiated Spurious Emissions 18-40GHz (NB UNII LE2M – 5788MHz)

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 [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]
* 11576.00	Avg	H	-	-	-79.30	9.85	37.55	53.98	-16.43
* 11576.00	Peak	H	-	-	-68.58	9.85	48.27	73.98	-25.71
17364.00	Peak	V	229	139	-68.22	18.09	56.88	68.23	-11.35
23152.00	Peak	H	-	-	-60.93	-6.23	39.84	68.23	-28.39
28940.00	Peak	V	348	127	-60.06	-2.96	43.98	68.23	-24.25
34728.00	Peak	V	318	96	-60.73	-3.68	42.59	68.23	-25.64

Table 7-24. Radiated Spurious Emissions Measurements

FCC ID: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)					Approved by: Technical Manager
Test Report S/N: 1C2405230027-06.BCG	Test Dates: 06/25/2024 - 8/20/2024	EUT Type: Wireless Earbud					



Plot 7-95. Radiated Spurious Emissions 1-18GHz (NB UNII LE2M – 5844MHz)

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

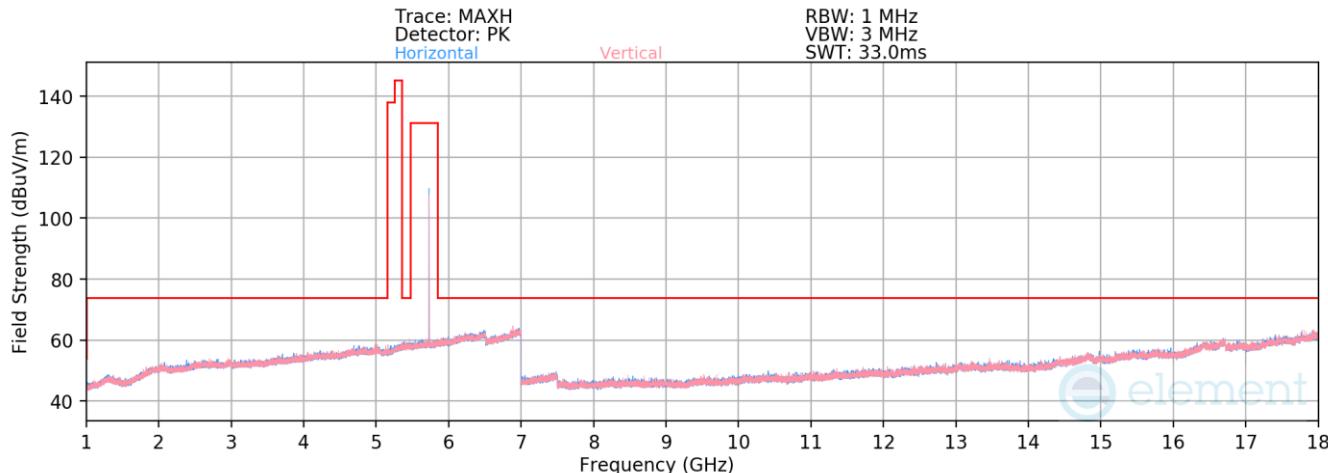
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]
* 11688.00	Avg	H	-	-	-78.96	9.97	38.00	53.98	-15.98
* 11688.00	Peak	H	-	-	-68.07	9.97	48.90	73.98	-25.08
17532.00	Peak	H	-	-	-68.83	17.01	55.18	68.23	-13.05

Table 7-25. Radiated Spurious Emissions Measurements

FCC ID: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2405230027-06.BCG	Test Dates: 06/25/2024 - 8/20/2024	EUT Type: Wireless Earbud			

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Plot 7-96. Radiated Spurious Emissions 1-18GHz (NB UNII HDR4 – 5731MHz)

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

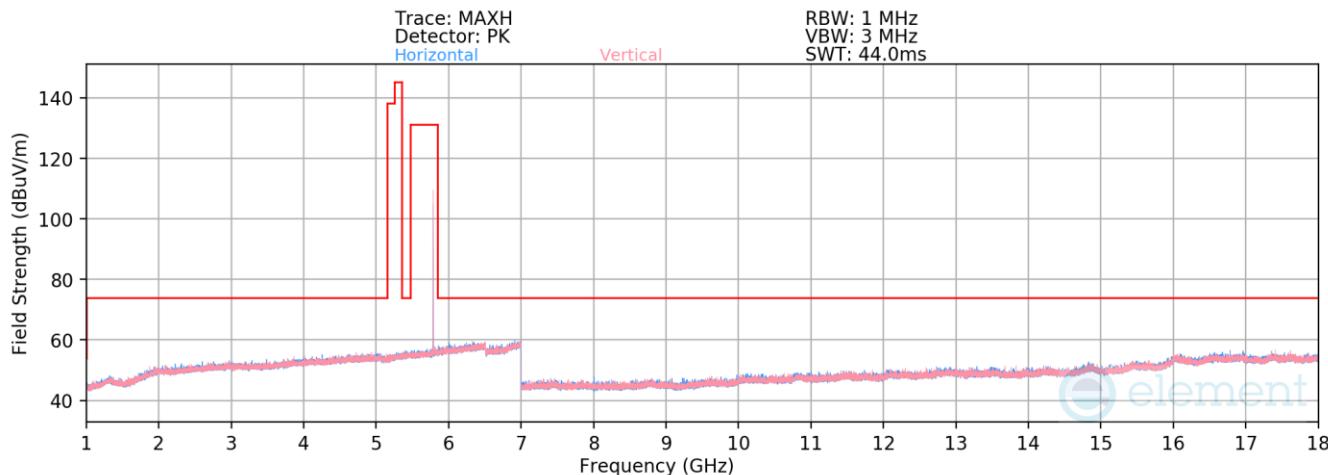
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Duty Cycle Correction [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
* 11462.00	Avg	V	263	319	-81.31	13.59	1.06	40.34	53.98	-13.64
* 11462.00	Peak	V	263	319	-71.33	13.59	0.00	49.25	73.98	-24.73
17193.00	Peak	H	276	183	-70.68	23.30	0.00	59.62	68.23	-8.61

Table 7-26. Radiated Spurious Emissions Measurements

FCC ID: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Technical Manager
Test Report S/N: 1C2405230027-06.BCG	Test Dates: 06/25/2024 - 8/20/2024	EUT Type: Wireless Earbud				

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Plot 7-97. Radiated Spurious Emissions 1-18GHz (NB UNII HDR4 – 5788MHz)

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

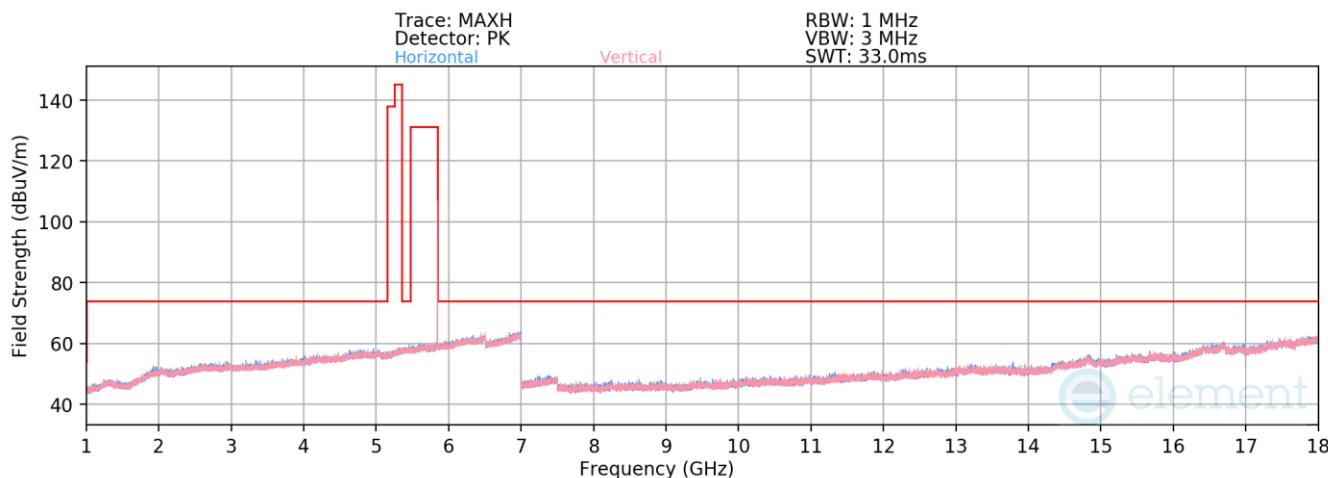
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Duty Cycle Correction [dB]	Field Strength [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]
11576.00	Avg	V	314	262	-77.54	9.61	1.06	40.13	53.98	-13.85
11576.00	Peak	V	314	262	-67.23	9.61	0.00	49.38	73.98	-24.60
17364.00	Peak	H	338	105	-70.01	18.07	0.00	55.06	68.23	-13.17

Table 7-27. Radiated Spurious Emissions Measurements

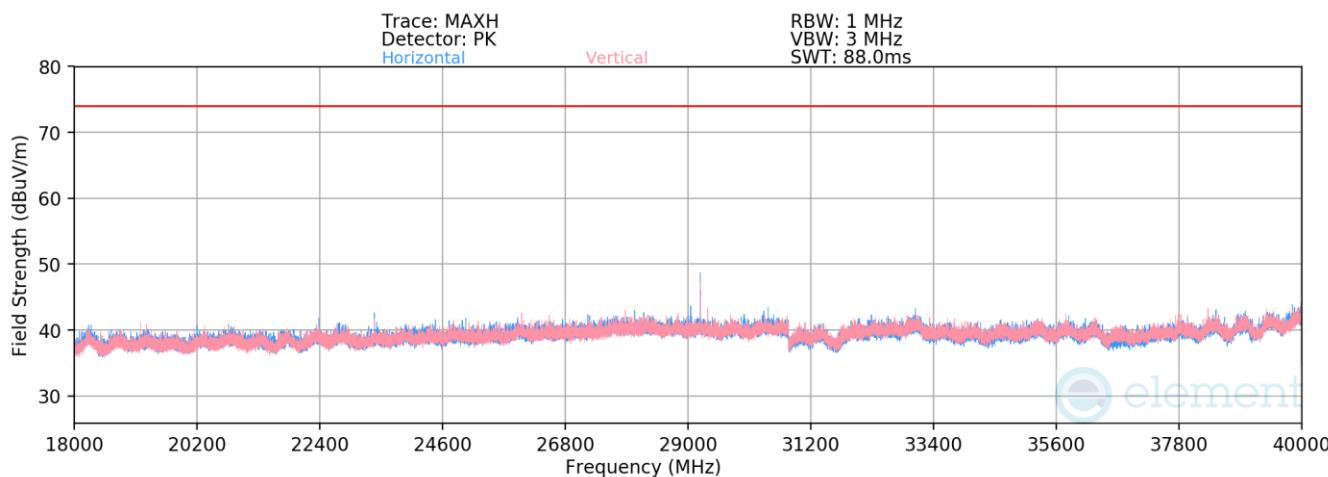
FCC ID: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)				Approved by: Technical Manager
Test Report S/N: 1C2405230027-06.BCG	Test Dates: 06/25/2024 - 8/20/2024	EUT Type: Wireless Earbud				

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Plot 7-98. Radiated Spurious Emissions 1-18GHz (NB UNII HDR4 – 5844MHz)



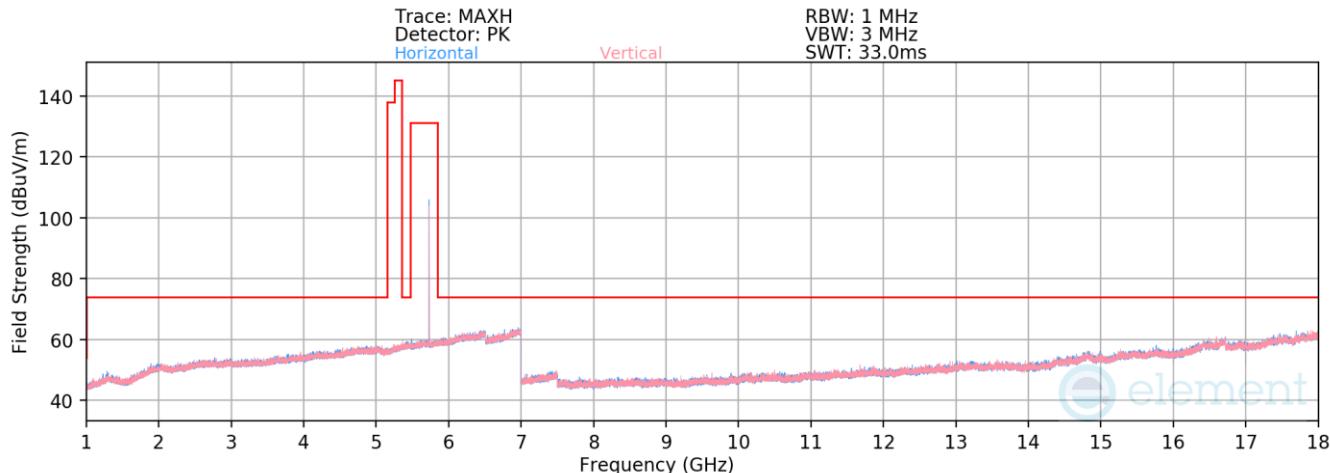
Plot 7-99. Radiated Spurious Emissions 18-40GHz (NB UNII HDR4 – 5844MHz)

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]	Duty Cycle Correction [dB]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
* 11688.00	Avg	V	297	315	-81.20	13.78	1.06	40.64	53.98	-13.34
* 11688.00	Peak	V	297	315	-69.99	13.78	0.00	50.79	73.98	-23.19
17532.00	Peak	H	295	179	-70.77	25.33	0.00	61.56	68.23	-6.67
23376.00	Peak	V	347	25	-54.84	-6.04	0.00	46.12	68.23	-22.11
29220.00	Peak	H	352	62	-53.48	-2.76	0.00	50.76	68.23	-17.47
35064.00	Peak	V	162	89	-58.75	-3.77	0.00	44.48	68.23	-23.75

Table 7-28. Radiated Spurious Emissions Measurements

FCC ID: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)					Approved by: Technical Manager
Test Report S/N: 1C2405230027-06.BCG	Test Dates: 06/25/2024 - 8/20/2024	EUT Type: Wireless Earbud					Page 83 of 122



Plot 7-100. Radiated Spurious Emissions 1-18GHz (NB UNII HDRp4 – 5731MHz)

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

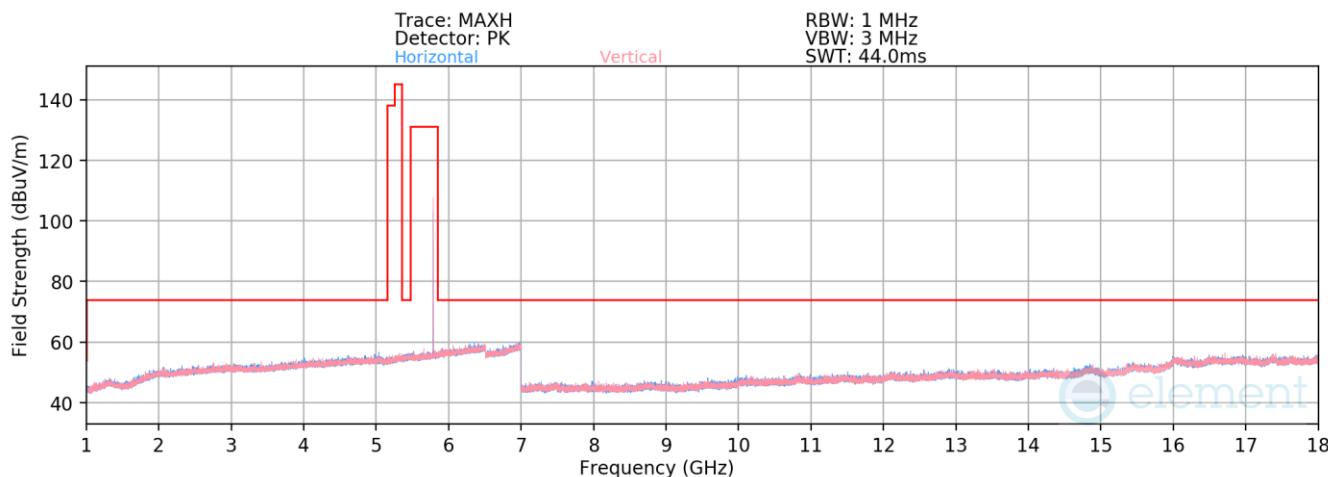
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]
* 11462.00	Avg	V	-	-	-81.73	13.59	38.86	53.98	-15.12
* 11462.00	Peak	V	-	-	-71.00	13.59	49.59	73.98	-24.39
17193.00	Peak	H	-	-	-70.80	23.30	59.51	68.23	-8.72

Table 7-29. Radiated Spurious Emissions Measurements

FCC ID: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2405230027-06.BCG	Test Dates: 06/25/2024 - 8/20/2024	EUT Type: Wireless Earbud			

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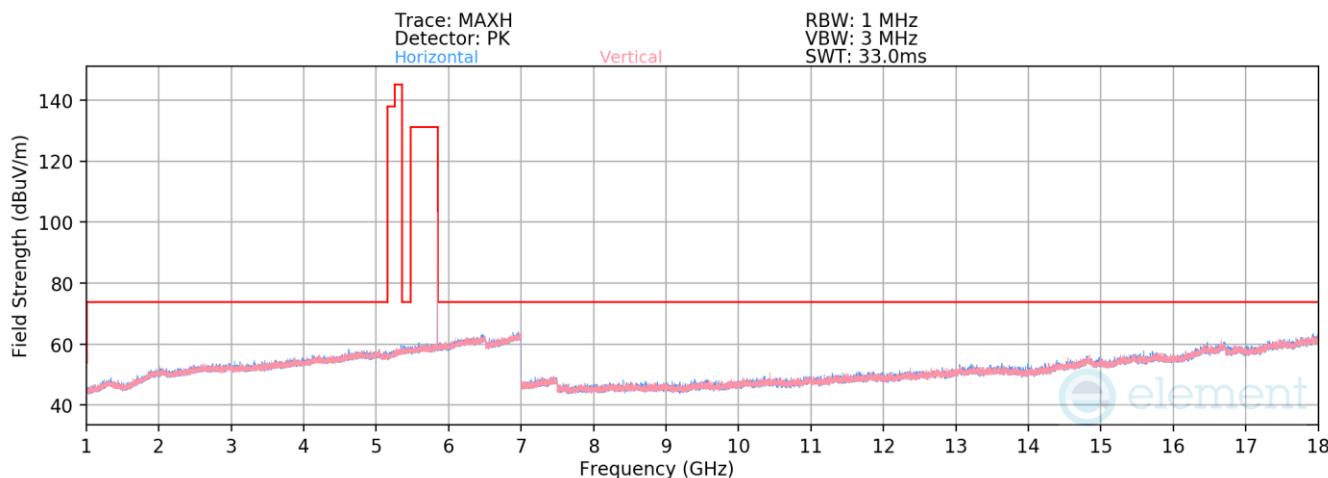
Plot 7-101. Radiated Spurious Emissions 1-18GHz (NB UNII HDRp4 – 5788MHz)

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

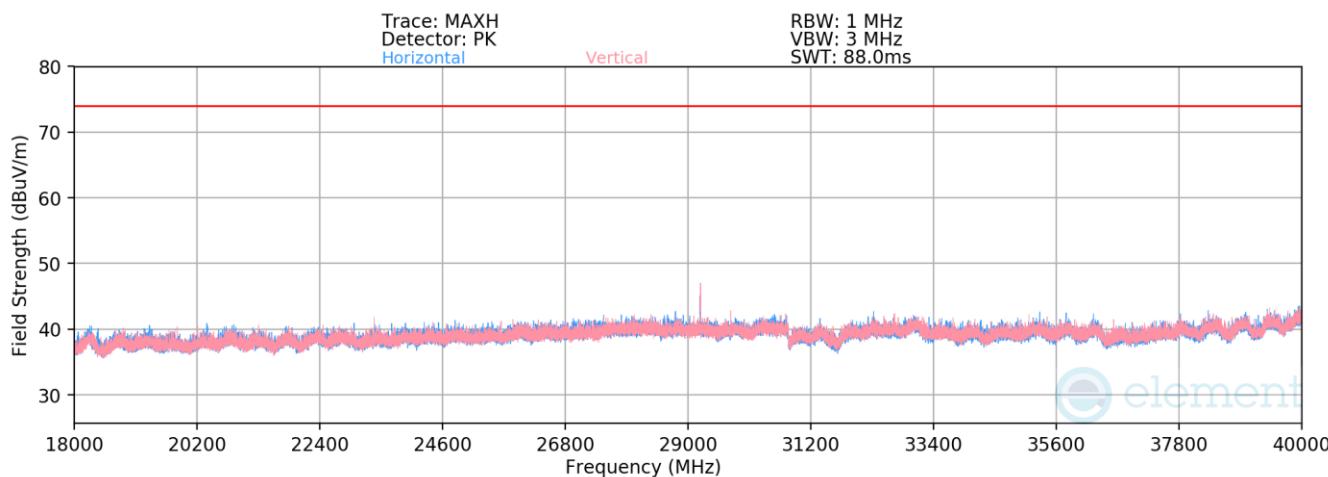
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]
* 11576.00	Avg	V	276	250	-77.41	9.61	39.77	53.98	-14.21
* 11576.00	Peak	V	276	250	-67.64	9.61	48.97	73.98	-25.01
17364.00	Peak	H	235	296	-69.36	18.07	55.71	68.23	-12.52

Table 7-30. Radiated Spurious Emissions Measurements

FCC ID: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2405230027-06.BCG	Test Dates: 06/25/2024 - 8/20/2024	EUT Type: Wireless Earbud			



Plot 7-102. Radiated Spurious Emissions 1-18GHz (NB UNII HDRp4 – 5844MHz)



Plot 7-103. Radiated Spurious Emissions 18-40GHz (NB UNII HDRp4 – 5844MHz)

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

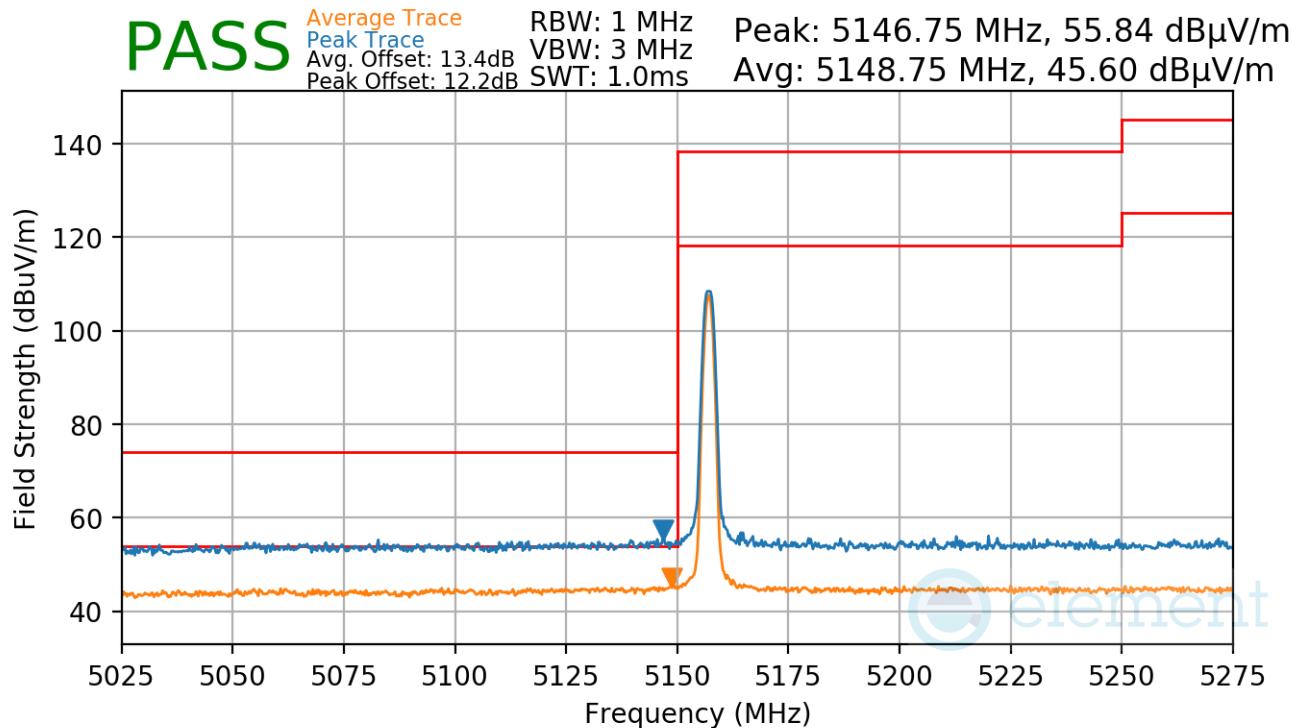
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Duty Cycle Correction [dB]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
* 11688.00	Avg	V	229	317	-81.33	13.78	0.58	40.02	53.98	-13.96
* 11688.00	Peak	V	229	317	-70.44	13.78	0.00	50.34	73.98	-23.64
17532.00	Peak	H	-	-	-71.75	25.33	0.00	60.58	68.23	-7.65
23376.00	Peak	V	360	219	-57.59	-6.04	0.00	43.36	68.23	-24.87
29220.00	Peak	V	160	328	-56.04	-2.76	0.00	48.20	68.23	-20.04
35064.00	Peak	V	355	184	-57.90	-3.77	0.00	45.33	68.23	-22.90

Table 7-31. Radiated Spurious Emissions Measurements

FCC ID: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)					Approved by: Technical Manager
Test Report S/N: 1C2405230027-06.BCG	Test Dates: 06/25/2024 - 8/20/2024	EUT Type: Wireless Earbud					Page 86 of 122

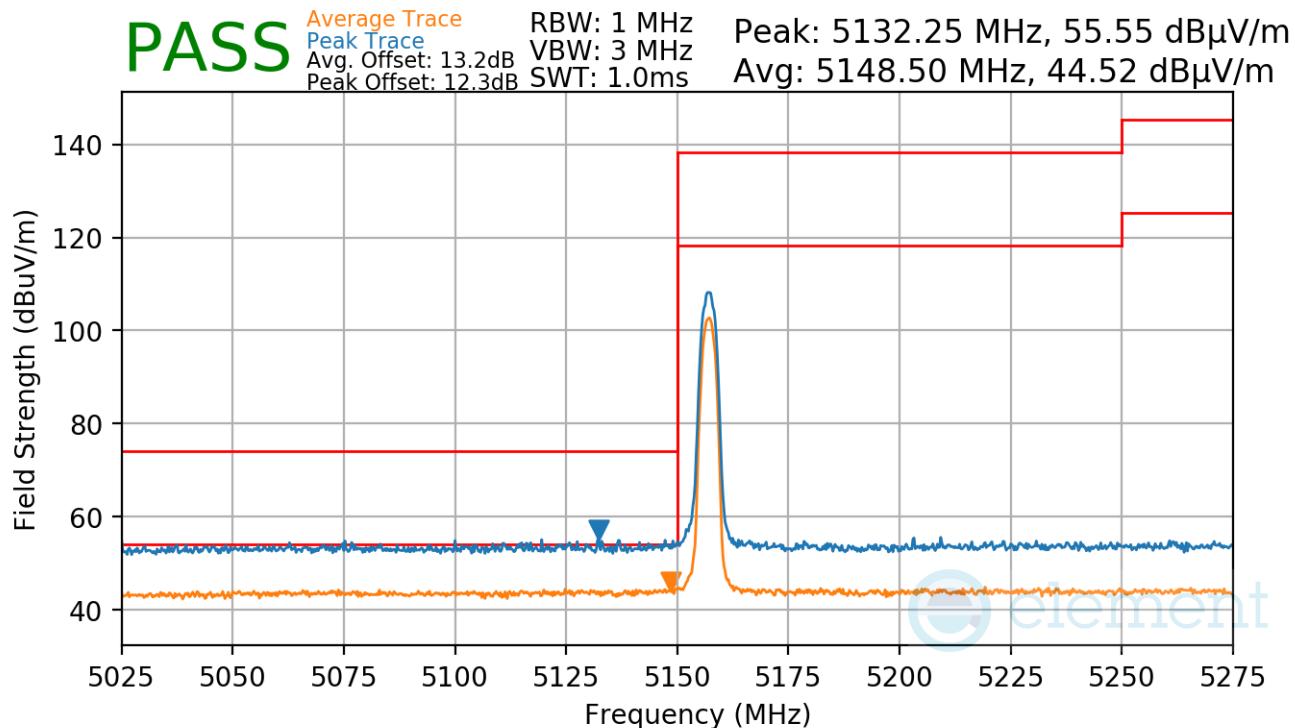
Radiated Band Edge Measurements
§15.407(b.1) §15.205 §15.209

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


Plot 7-104. Radiated Lower Band Edge Measurement

FCC ID: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230027-06.BCG	Test Dates: 06/25/2024 - 8/20/2024	EUT Type: Wireless Earbud	Page 87 of 122

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



Plot 7-105. Radiated Lower Band Edge Measurement

FCC ID: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230027-06.BCG	Test Dates: 06/25/2024 - 8/20/2024	EUT Type: Wireless Earbud	Page 88 of 122

Mode:

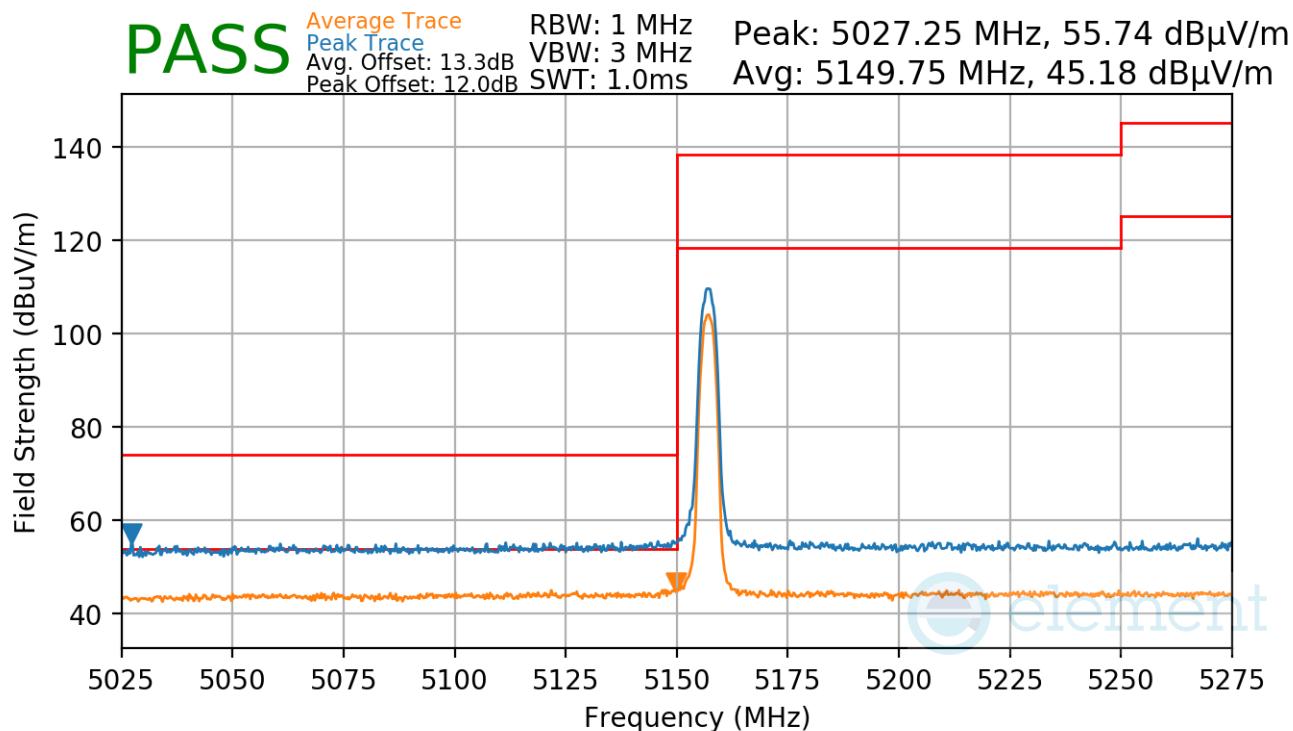
HDR4

Measurement Distance:

3 Meters

Operating Frequency:

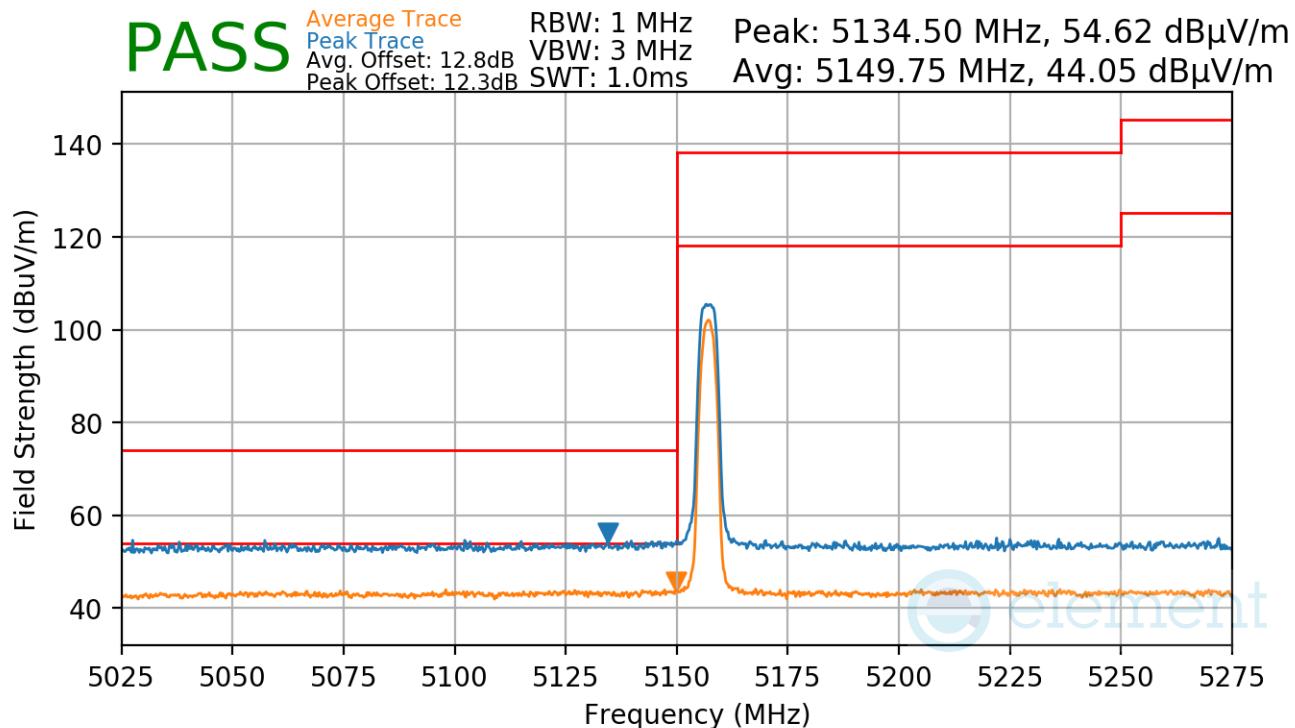
5157MHz



Plot 7-106. Radiated Lower Band Edge Measurement

FCC ID: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230027-06.BCG	Test Dates: 06/25/2024 - 8/20/2024	EUT Type: Wireless Earbud	Page 89 of 122

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



Plot 7-107. Radiated Lower Band Edge Measurement

FCC ID: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230027-06.BCG	Test Dates: 06/25/2024 - 8/20/2024	EUT Type: Wireless Earbud	Page 90 of 122

Mode:

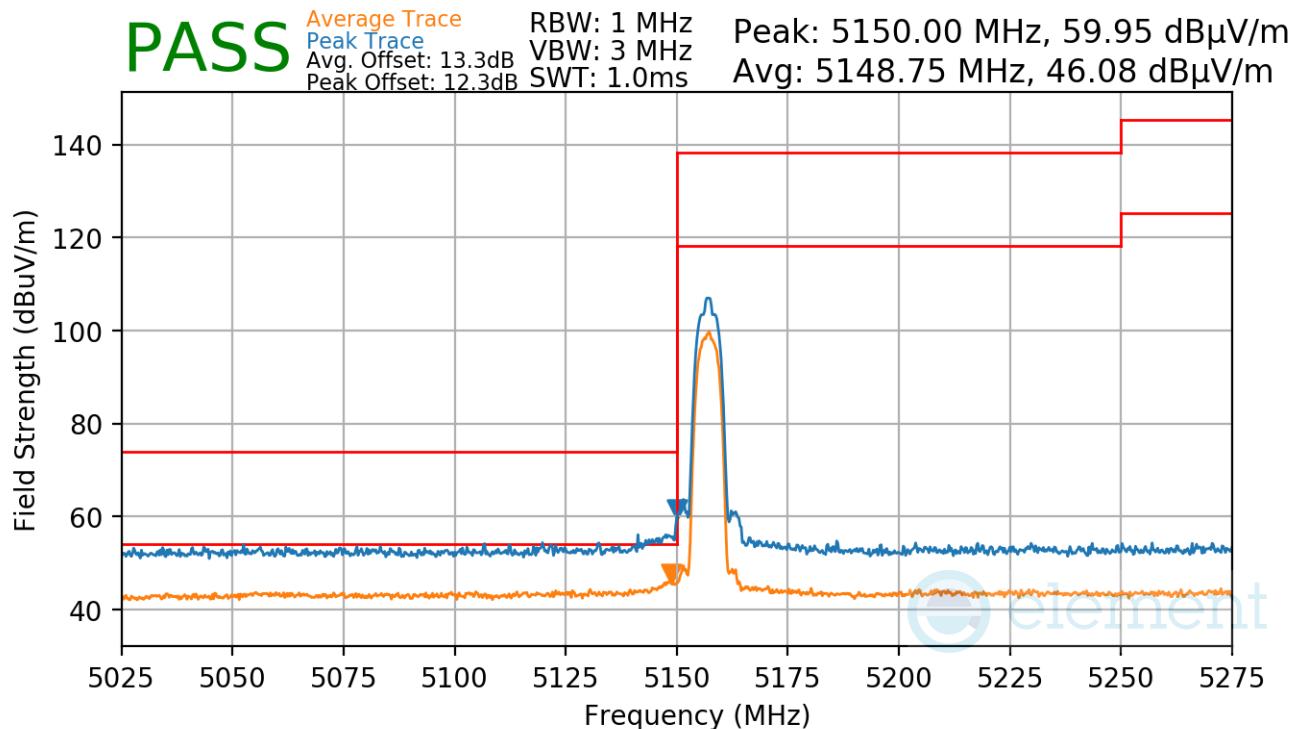
HDR8

Measurement Distance:

3 Meters

Operating Frequency:

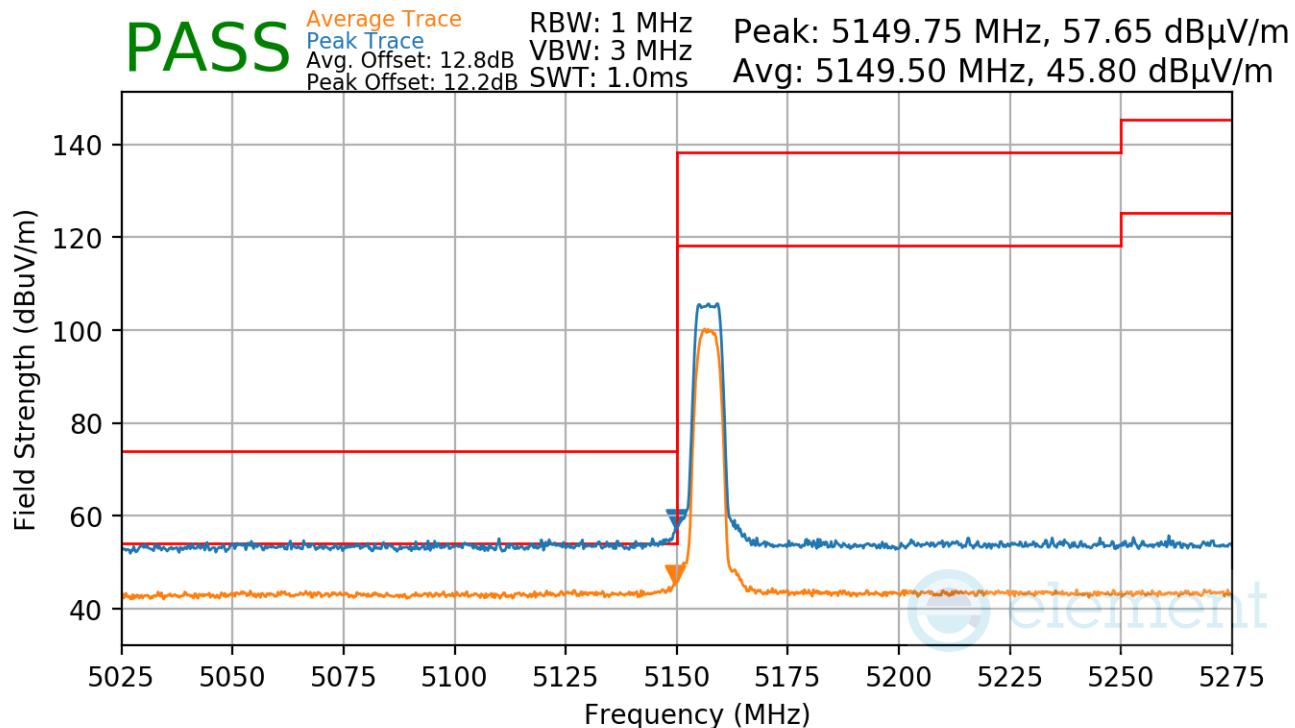
5157MHz



Plot 7-108. Radiated Lower Band Edge Measurement

FCC ID: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230027-06.BCG	Test Dates: 06/25/2024 - 8/20/2024	EUT Type: Wireless Earbud	Page 91 of 122

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

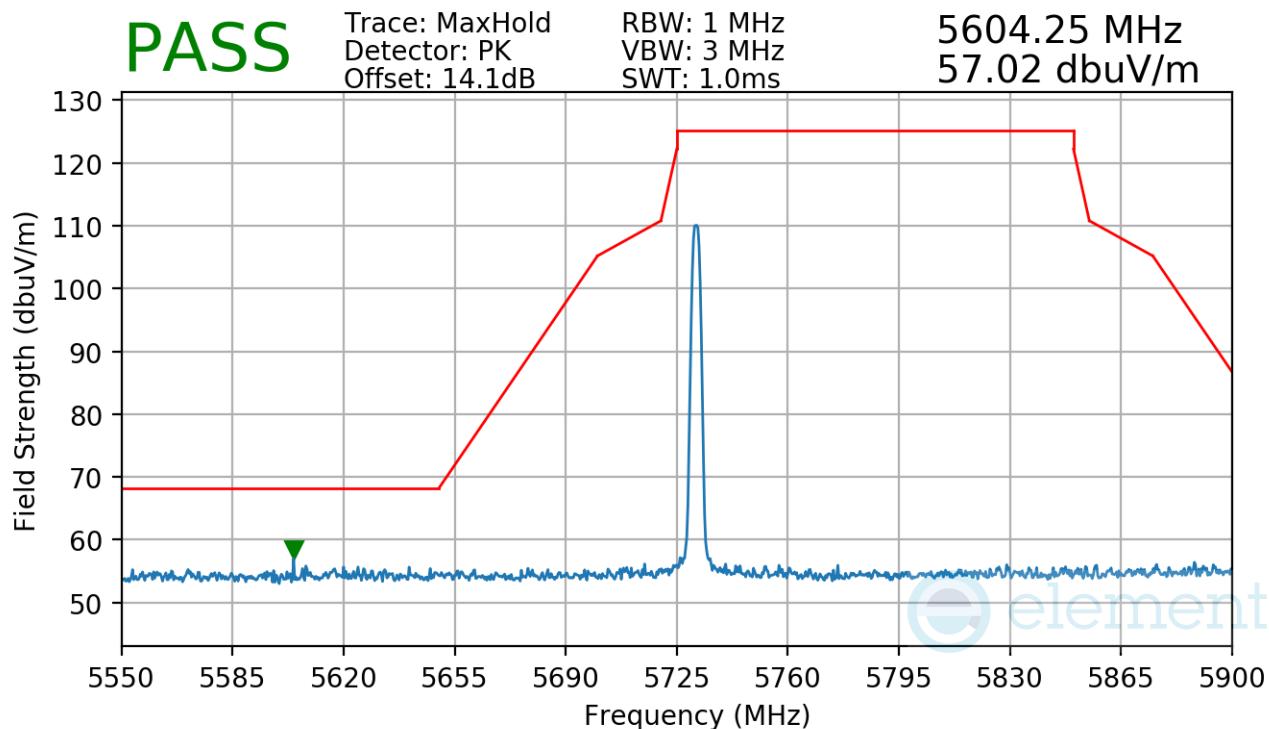


Plot 7-109. Radiated Lower Band Edge Measurement

FCC ID: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230027-06.BCG	Test Dates: 06/25/2024 - 8/20/2024	EUT Type: Wireless Earbud	Page 92 of 122

Mode:
Measurement Distance:
Operating Frequency:

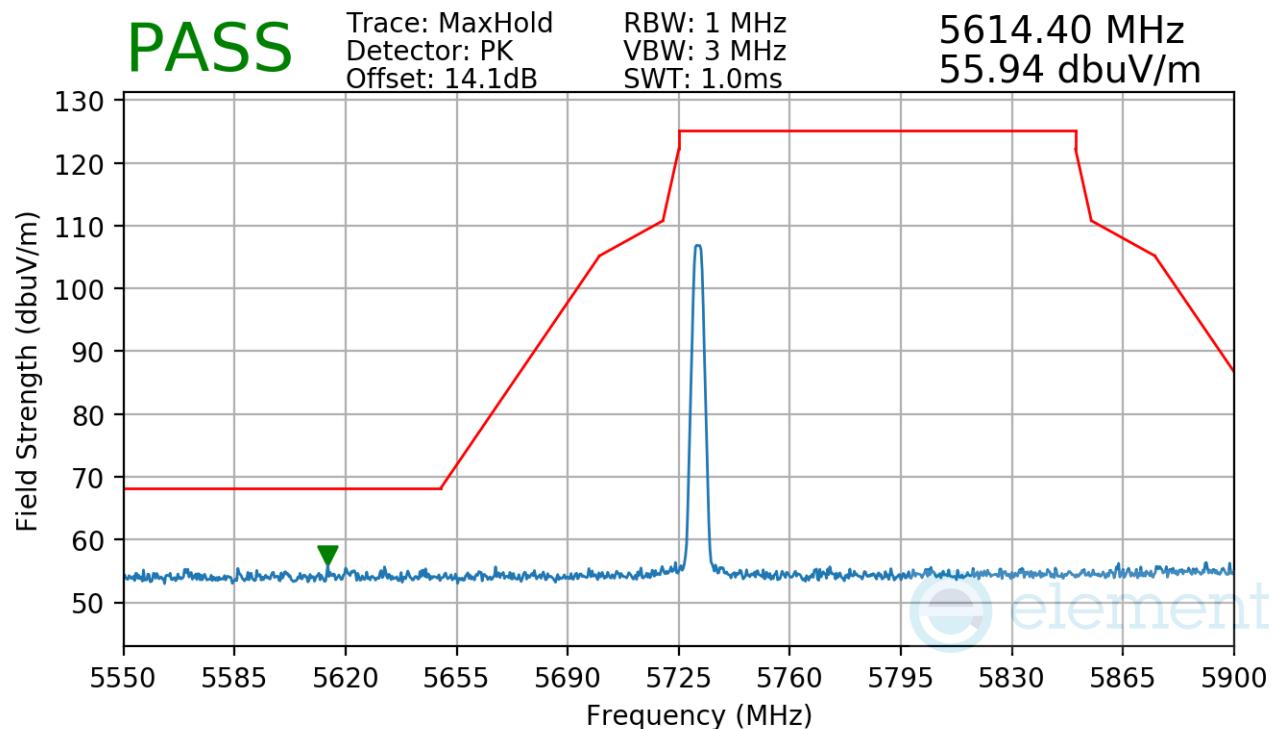
BDR
3 Meters
5731MHz



Plot 7-110. Radiated Lower Band Edge Measurement

FCC ID: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230027-06.BCG	Test Dates: 06/25/2024 - 8/20/2024	EUT Type: Wireless Earbud	Page 93 of 122

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

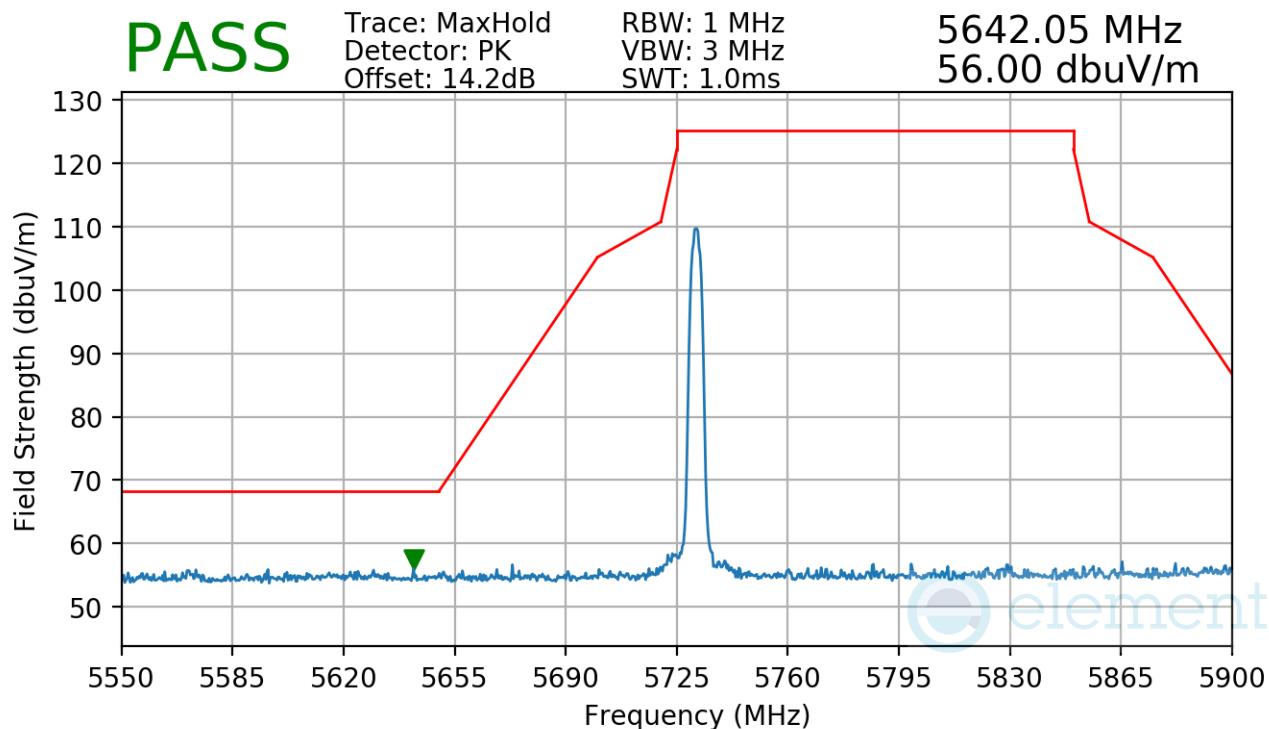


Plot 7-111. Radiated Lower Band Edge Measurement

FCC ID: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230027-06.BCG	Test Dates: 06/25/2024 - 8/20/2024	EUT Type: Wireless Earbud	Page 94 of 122

Mode:
Measurement Distance:
Operating Frequency:

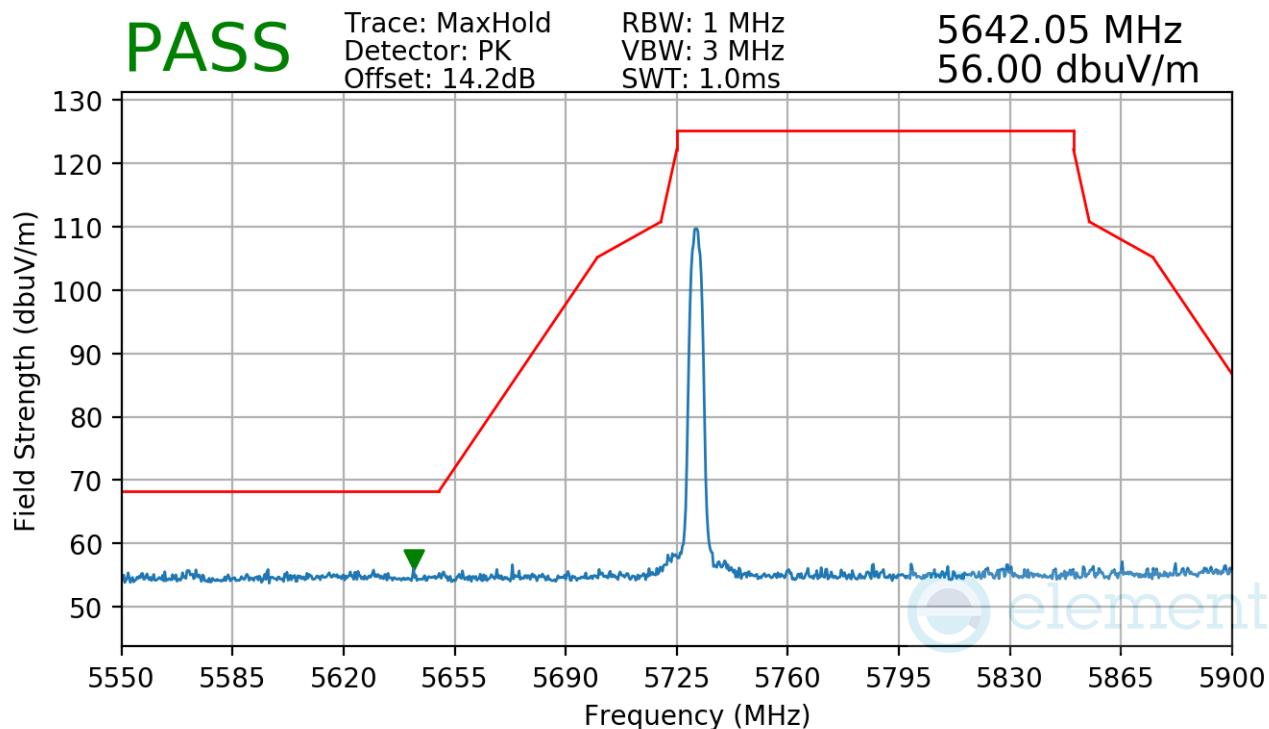
HDR4
3 Meters
5731MHz



Plot 7-112. Radiated Lower Band Edge Measurement

FCC ID: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230027-06.BCG	Test Dates: 06/25/2024 - 8/20/2024	EUT Type: Wireless Earbud	Page 95 of 122

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

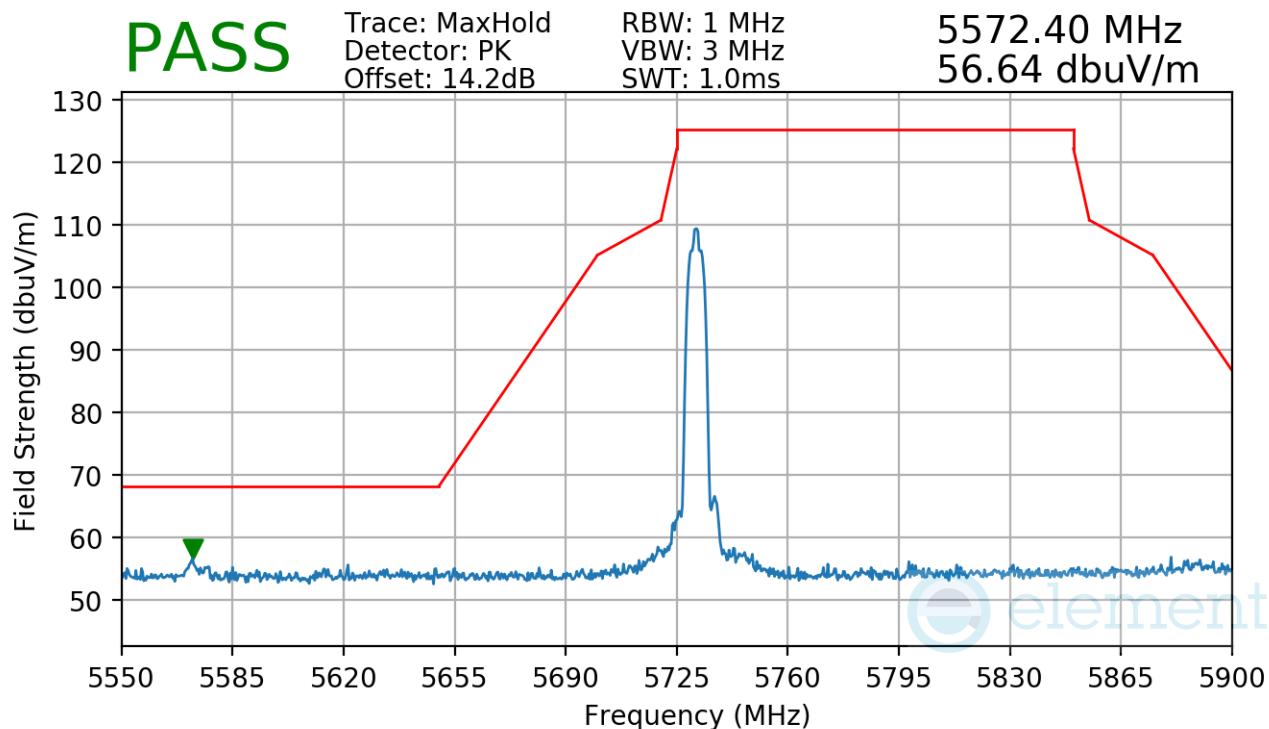


Plot 7-113. Radiated Lower Band Edge Measurement

FCC ID: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230027-06.BCG	Test Dates: 06/25/2024 - 8/20/2024	EUT Type: Wireless Earbud	Page 96 of 122

Mode:
Measurement Distance:
Operating Frequency:

HDR8
3 Meters
5731MHz

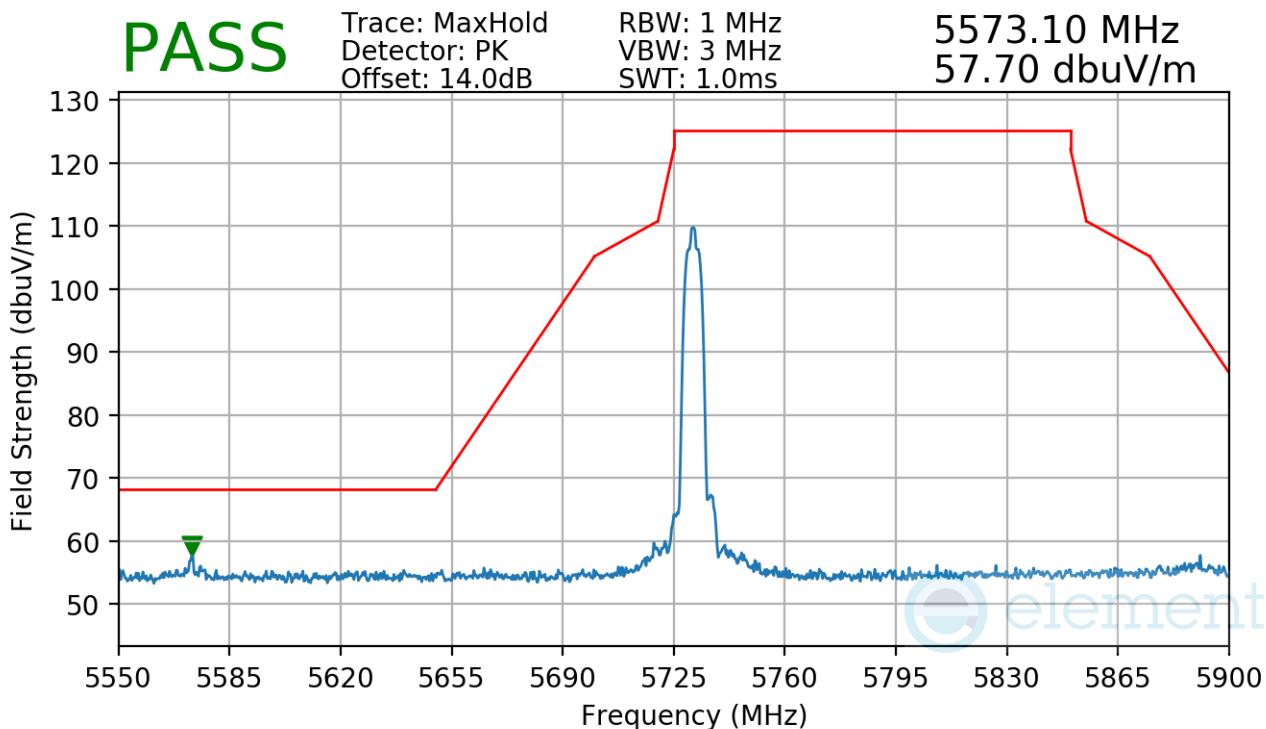


Plot 7-114. Radiated Lower Band Edge Measurement

FCC ID: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230027-06.BCG	Test Dates: 06/25/2024 - 8/20/2024	EUT Type: Wireless Earbud	Page 97 of 122

Mode:
Measurement Distance:
Operating Frequency:

HDRp8
3 Meters
5731MHz

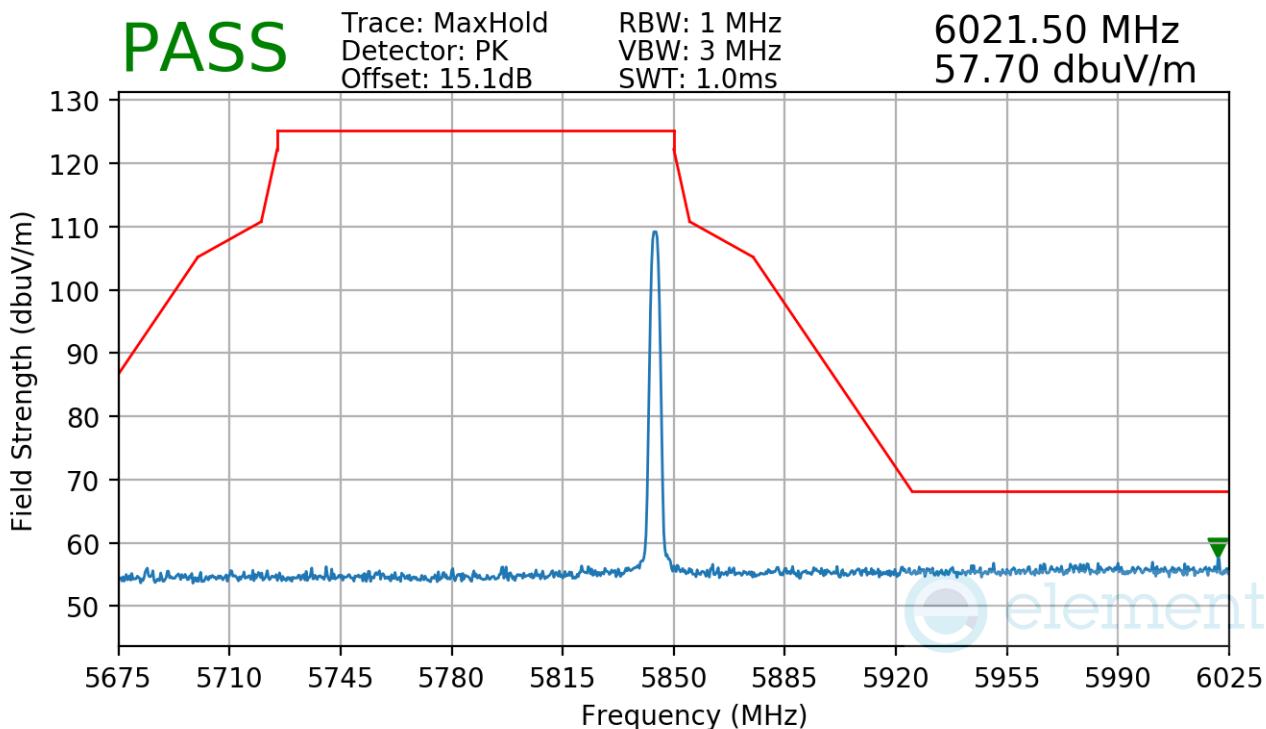


Plot 7-115. Radiated Lower Band Edge Measurement

FCC ID: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230027-06.BCG	Test Dates: 06/25/2024 - 8/20/2024	EUT Type: Wireless Earbud	Page 98 of 122

Mode:
Measurement Distance:
Operating Frequency:

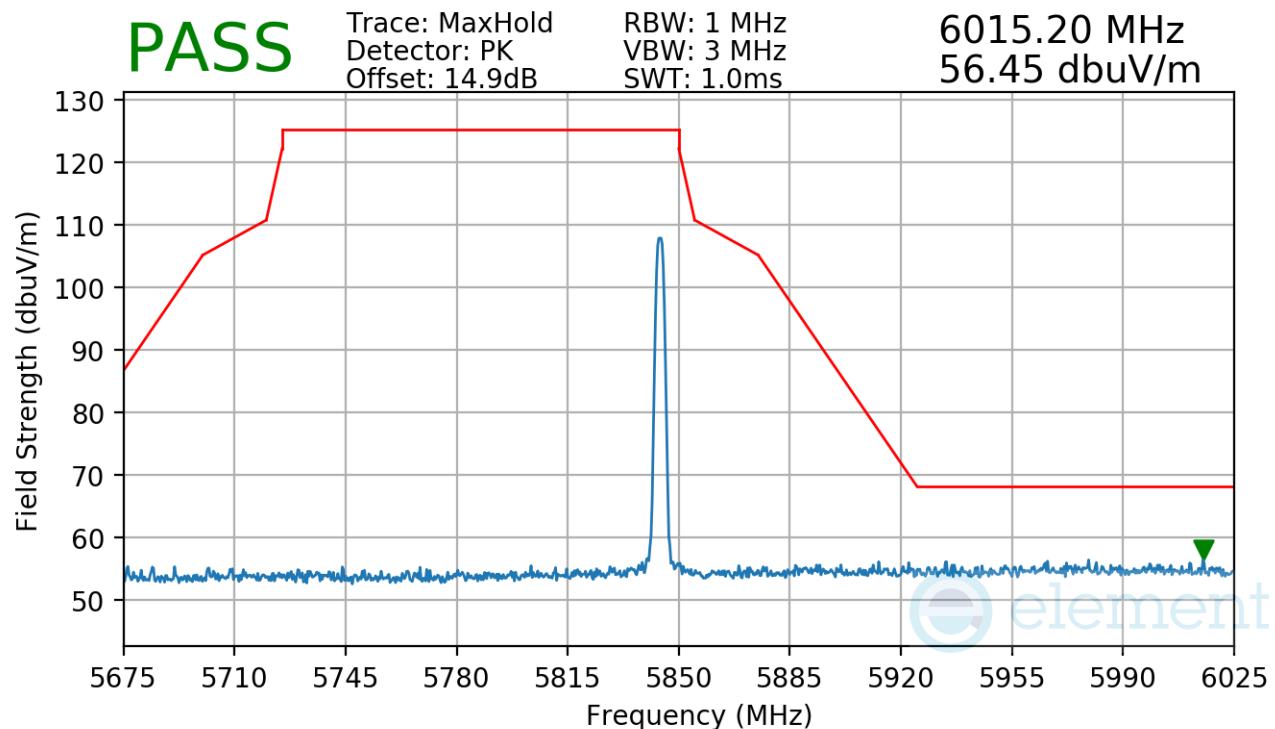
BDR
3 Meters
5844MHz



Plot 7-116. Radiated Upper Band Edge Measurement

FCC ID: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230027-06.BCG	Test Dates: 06/25/2024 - 8/20/2024	EUT Type: Wireless Earbud	Page 99 of 122

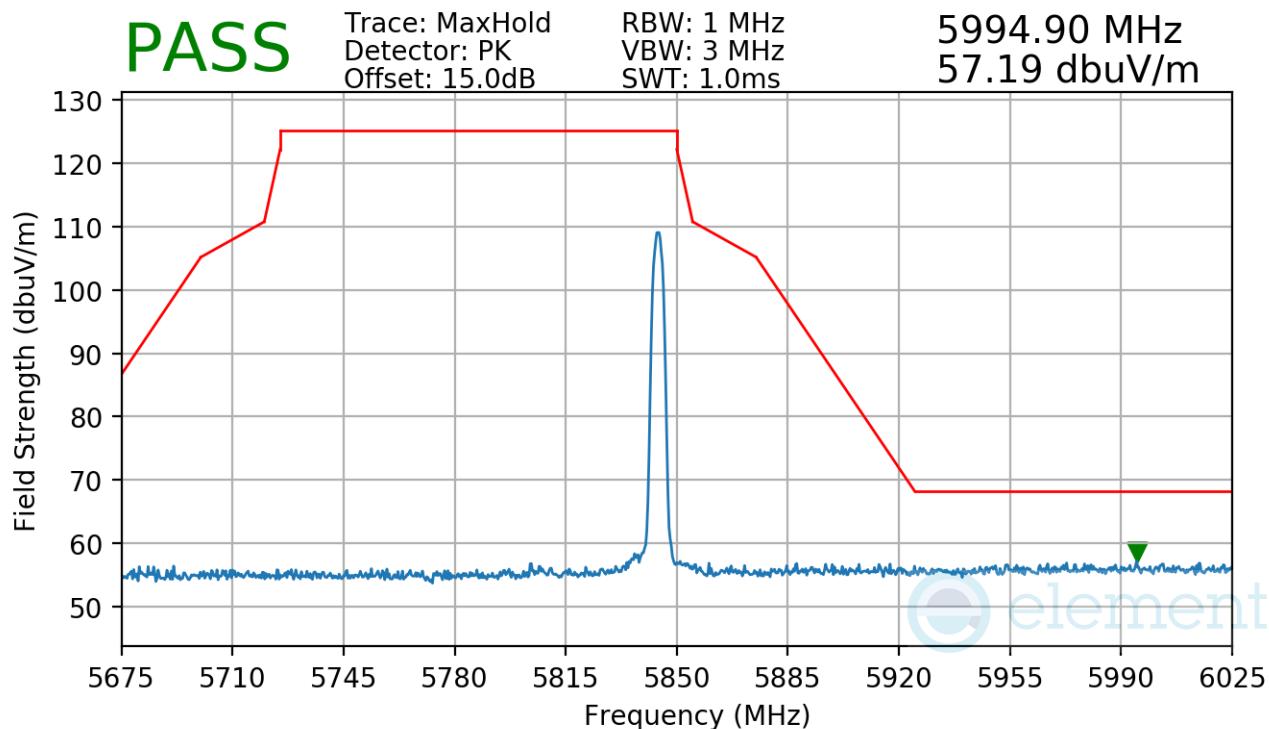
Mode: LE2M
 Measurement Distance: 3 Meters
 Operating Frequency: 5844MHz



Plot 7-117. Radiated Upper Band Edge Measurement

FCC ID: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230027-06.BCG	Test Dates: 06/25/2024 - 8/20/2024	EUT Type: Wireless Earbud	Page 100 of 122

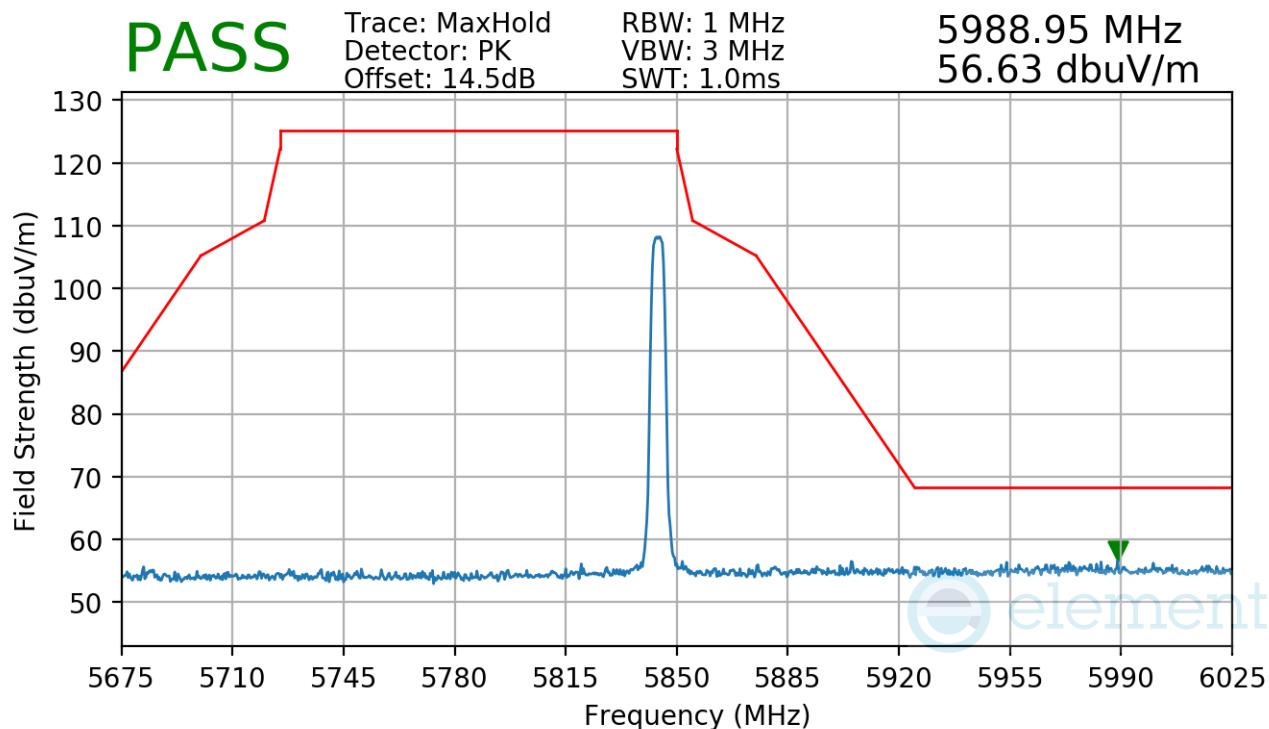
Mode: HDR4
 Measurement Distance: 3 Meters
 Operating Frequency: 5844MHz



Plot 7-118. Radiated Upper Band Edge Measurement

FCC ID: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230027-06.BCG	Test Dates: 06/25/2024 - 8/20/2024	EUT Type: Wireless Earbud	Page 101 of 122

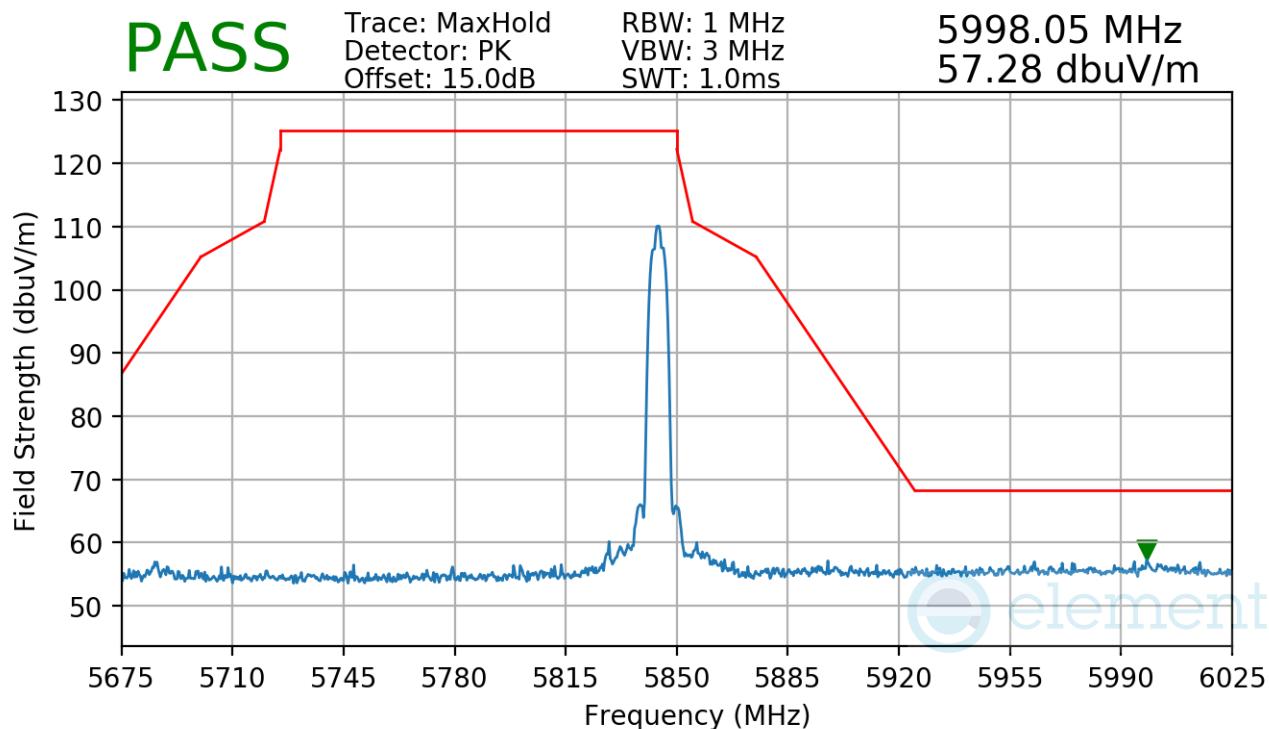
Mode: HDRp4
 Measurement Distance: 3 Meters
 Operating Frequency: 5844MHz



Plot 7-119. Radiated Upper Band Edge Measurement

FCC ID: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230027-06.BCG	Test Dates: 06/25/2024 - 8/20/2024	EUT Type: Wireless Earbud	Page 102 of 122

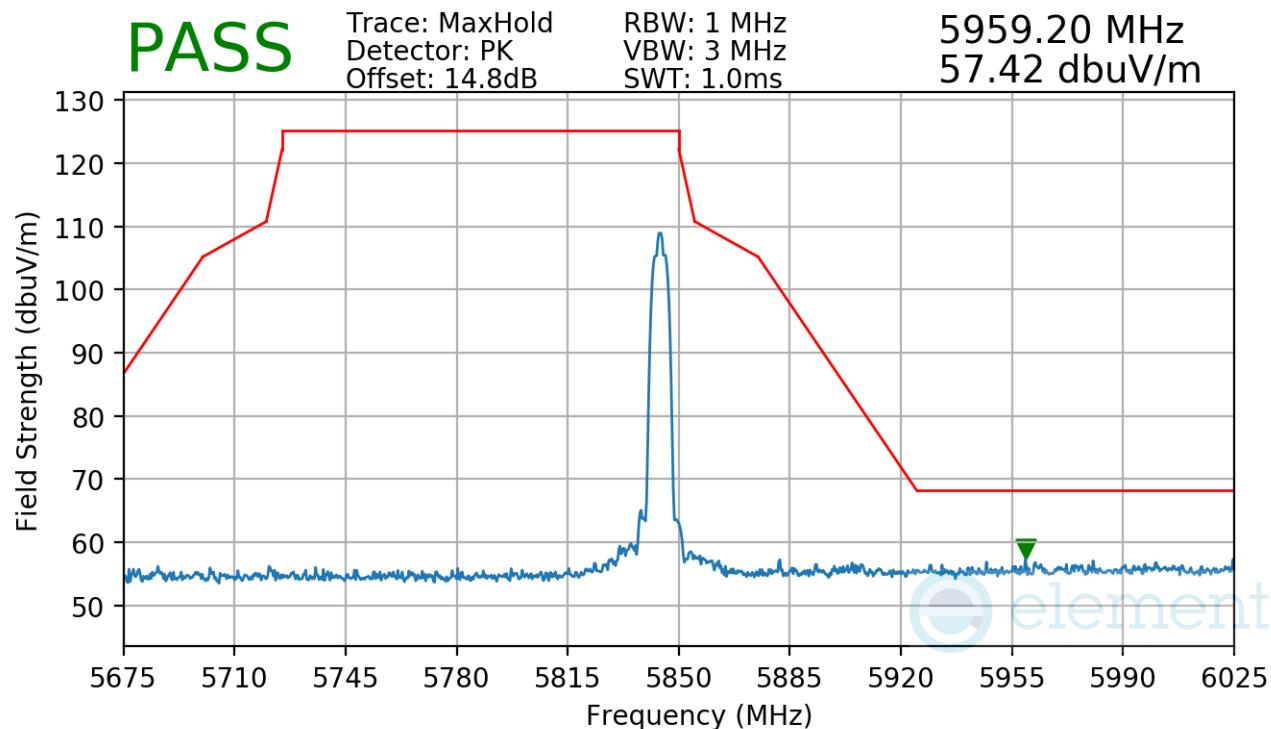
Mode: HDR8
 Measurement Distance: 3 Meters
 Operating Frequency: 5844MHz



Plot 7-120. Radiated Upper Band Edge Measurement

FCC ID: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230027-06.BCG	Test Dates: 06/25/2024 - 8/20/2024	EUT Type: Wireless Earbud	Page 103 of 122

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



Plot 7-121. Radiated Upper Band Edge Measurement

FCC ID: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230027-06.BCG	Test Dates: 06/25/2024 - 8/20/2024	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 [μ 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: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230027-06.BCG	Test Dates: 06/25/2024 - 8/20/2024	EUT Type: Wireless Earbud	Page 105 of 122

Test Setup

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

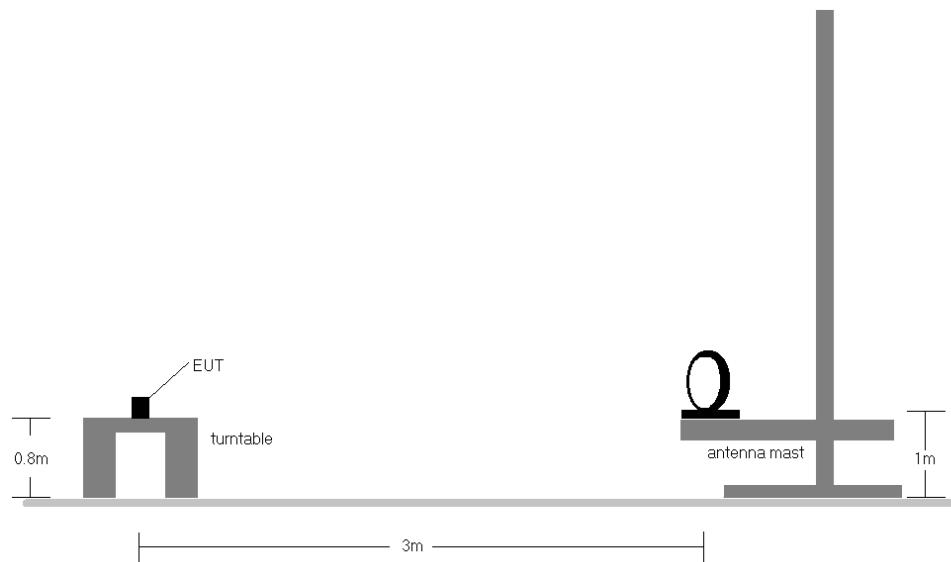


Figure 7-6. Radiated Test Setup < 30MHz

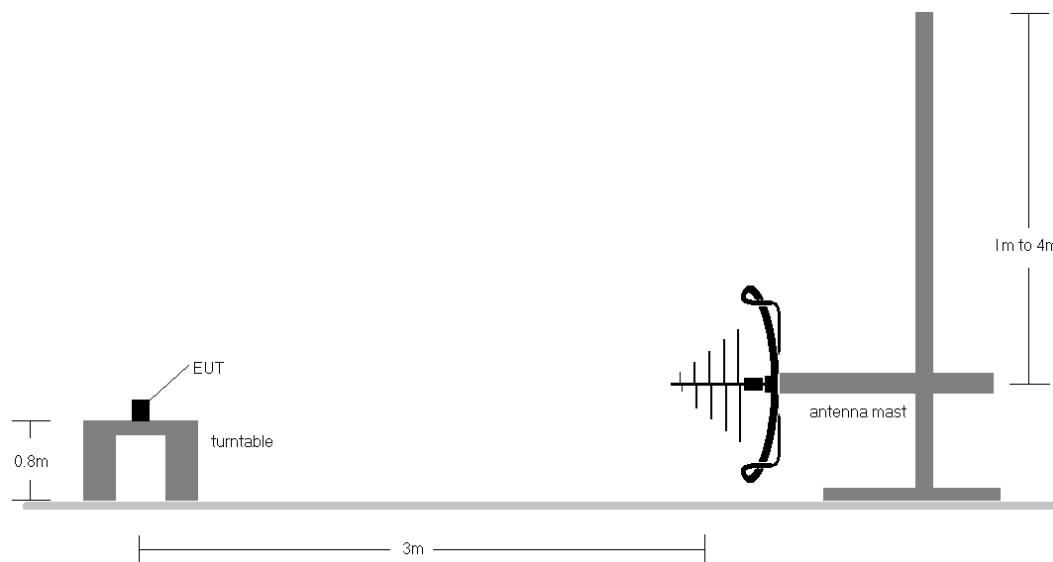


Figure 7-7. Radiated Test Setup < 1GHz

FCC ID: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230027-06.BCG	Test Dates: 06/25/2024 - 8/20/2024	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 USB-C cable
 - b. EUT charged by charging case and powered by host PC with USB-C cable

Sample Calculations

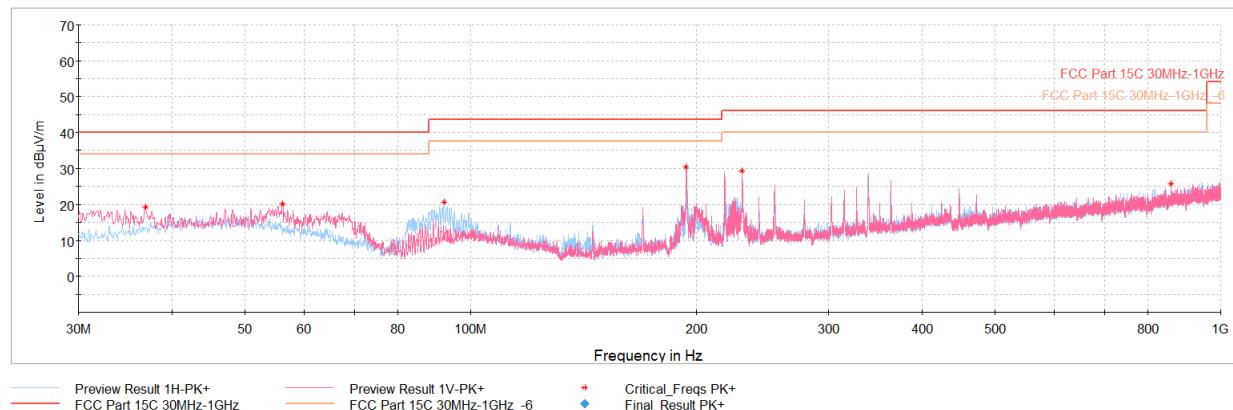
Determining Spurious Emissions Levels

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

FCC ID: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2405230027-06.BCG	Test Dates: 06/25/2024 - 8/20/2024	EUT Type: Wireless Earbud	Page 107 of 122

Radiated Spurious Emissions (Below 1GHz)

§15.209

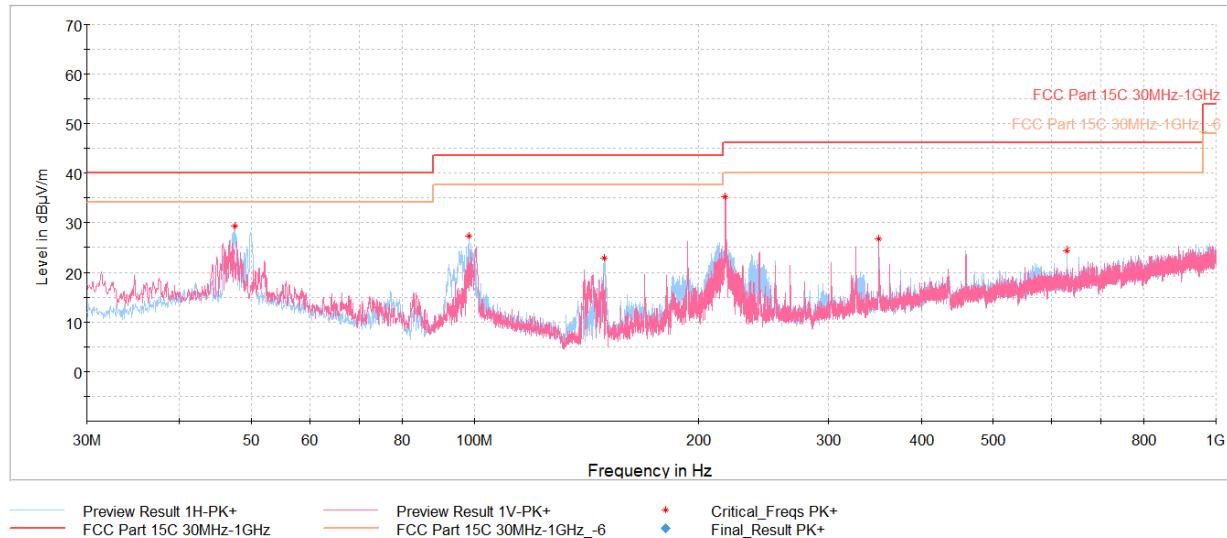


Plot 7-122. Radiated Spurious Emissions Below 1GHz (NB UNII BDR – 5157MHz), with AC/DC Adapter and USB-C Cable

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]
36.84	Max Peak	V	200	107	-72.27	-15.37	19.36	40.00	-20.64
56.19	Max Peak	V	200	193	-71.94	-14.78	20.28	40.00	-19.72
92.27	Max Peak	H	300	5	-68.70	-17.61	20.69	43.52	-22.83
193.64	Max Peak	H	100	316	-58.94	-17.63	30.43	43.52	-13.09
230.01	Max Peak	H	100	325	-61.25	-16.58	29.17	46.02	-16.85
858.19	Max Peak	V	200	293	-77.09	-4.25	25.66	46.02	-20.36

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

FCC ID: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2405230027-06.BCG	Test Dates: 06/25/2024 - 8/20/2024	EUT Type: Wireless Earbud			Page 108 of 122



Plot 7-123. Radiated Spurious Emissions Below 1GHz (NB UNII LE2M – 5201MHz), with AC/DC Adapter and USB-C Cable

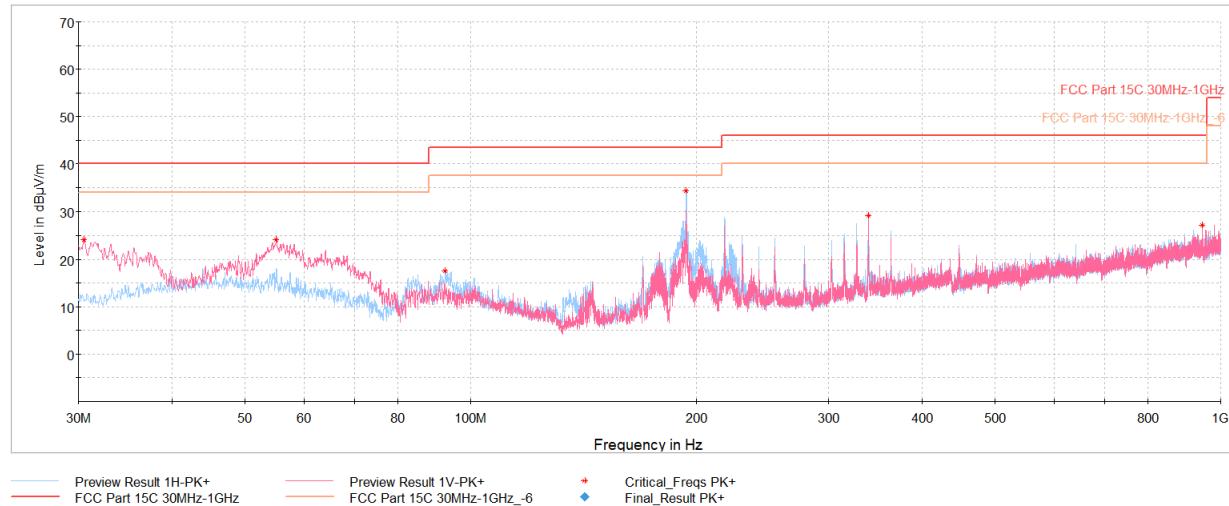
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
47.51	Max Peak	H	200	312	-64.17	-13.54	29.29	40.00	-10.71
98.34	Max Peak	H	200	330	-62.44	-17.32	27.24	43.52	-16.28
149.55	Max Peak	H	300	39	-63.27	-20.74	22.99	43.52	-20.53
217.65	Max Peak	H	100	314	-54.44	-17.37	35.19	46.02	-10.83
350.78	Max Peak	H	100	121	-66.94	-13.40	26.66	46.02	-19.36
628.93	Max Peak	H	100	333	-74.11	-8.42	24.47	46.02	-21.55

Table 7-34. Radiated Spurious Emissions Below 1GHz (NB UNII LE2M – 5201MHz), with AC/DC Adapter and USB-C Cable

FCC ID: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2405230027-06.BCG	Test Dates: 06/25/2024 - 8/20/2024	EUT Type: Wireless Earbud			

V 10.6 10/27/2023

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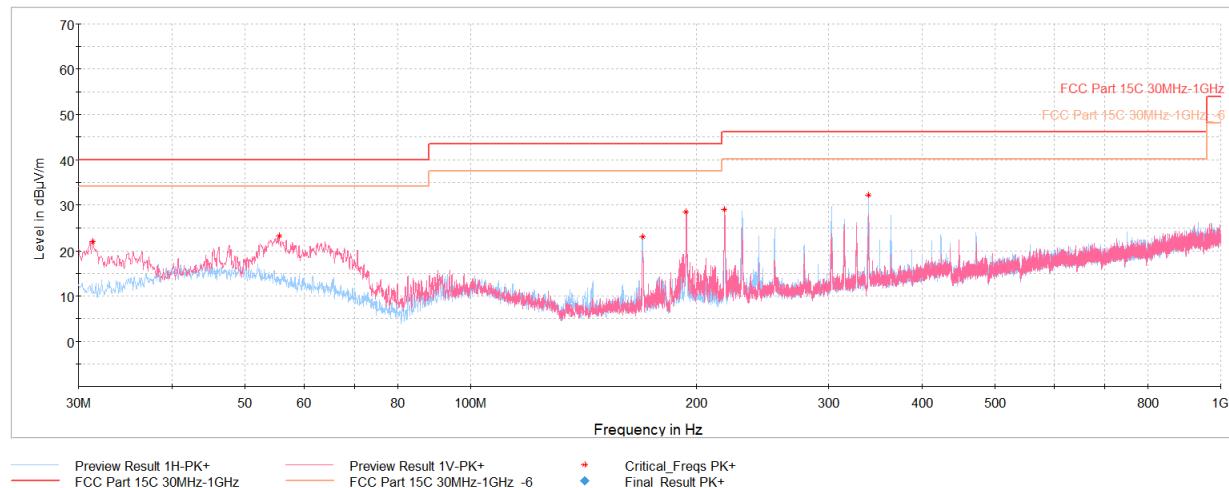


Plot 7-124. Radiated Spurious Emissions Below 1GHz (NB UNII HDR4 – 5245MHz), with AC/DC Adapter and USB-C Cable

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]
30.49	Max Peak	V	100	308	-66.32	-16.50	24.18	40.00	-15.82
55.08	Max Peak	V	100	0	-68.28	-14.53	24.19	40.00	-15.81
92.57	Max Peak	H	200	351	-71.86	-17.56	17.58	43.52	-25.94
193.69	Max Peak	H	100	315	-55.04	-17.63	34.33	43.52	-9.19
338.90	Max Peak	H	100	353	-64.24	-13.65	29.11	46.02	-16.91
944.27	Max Peak	V	100	100	-76.45	-3.43	27.12	46.02	-18.90

Table 7-35. Radiated Spurious Emissions Below 1GHz (NB UNII HDR4 – 5245MHz), with AC/DC Adapter and USB-C Cable

FCC ID: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2405230027-06.BCG	Test Dates: 06/25/2024 - 8/20/2024	EUT Type: Wireless Earbud			Page 110 of 122



Plot 7-125. Radiated Spurious Emissions Below 1GHz (NB UNII HDRp4 – 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]
31.36	Max Peak	V	100	357	-68.10	-16.79	22.11	40.00	-17.89
55.56	Max Peak	V	100	357	-69.16	-14.64	23.20	40.00	-16.80
169.24	Max Peak	H	200	192	-64.14	-19.72	23.14	43.52	-20.38
193.59	Max Peak	V	100	96	-60.92	-17.64	28.44	43.52	-15.08
217.89	Max Peak	V	100	36	-60.75	-17.35	28.90	46.02	-17.12
338.90	Max Peak	H	100	304	-61.28	-13.65	32.07	46.02	-13.95

Table 7-36. Radiated Spurious Emissions Below 1GHz (NB UNII HDRp4 – 5157MHz), with AC/DC Adapter and USB-C Cable

FCC ID: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2405230027-06.BCG	Test Dates: 06/25/2024 - 8/20/2024	EUT Type: Wireless Earbud			Page 111 of 122

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 μ 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.

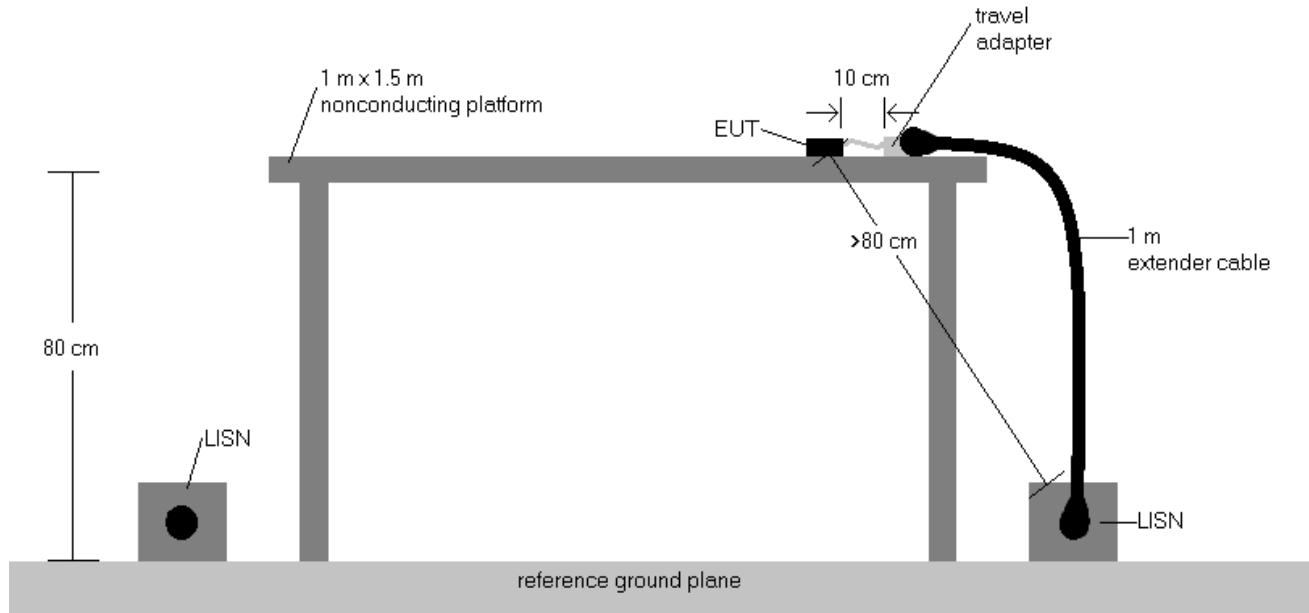
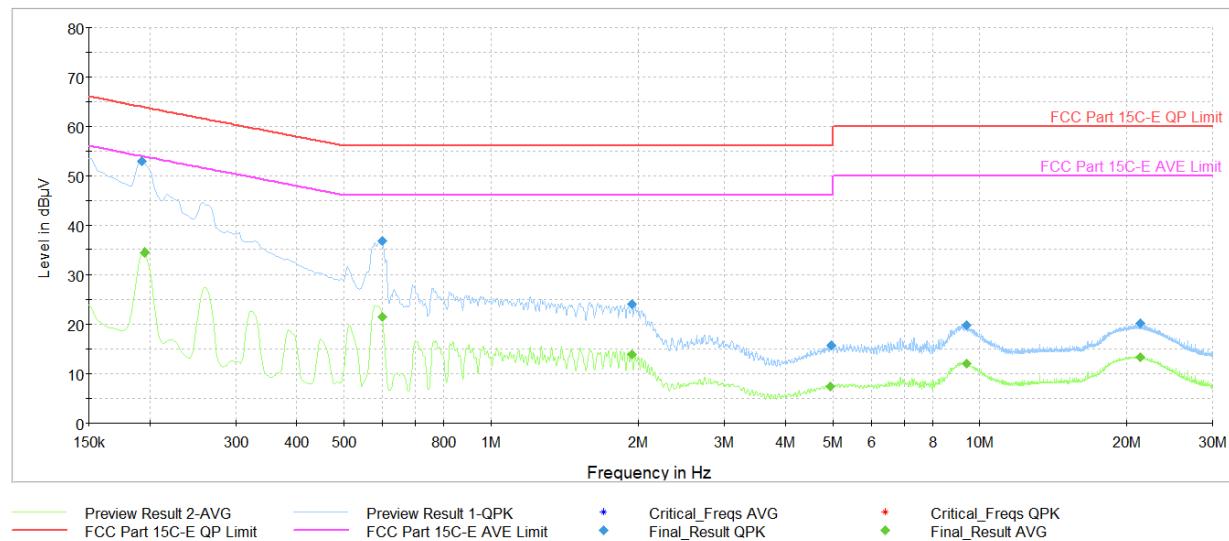


Figure 7-8. Test Instrument & Measurement Setup

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 μ V) = QP/AV Analyzer/Receiver Level (dB μ V) + Correction Factor (dB)
6. Margin (dB) = QP/AV Level (dB μ V) - QP/AV Limit (dB μ 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 7-126. AC Line Conducted Plot (NB UNII BDR – 5157MHz) (L1) with Laptop and USB-C Cable

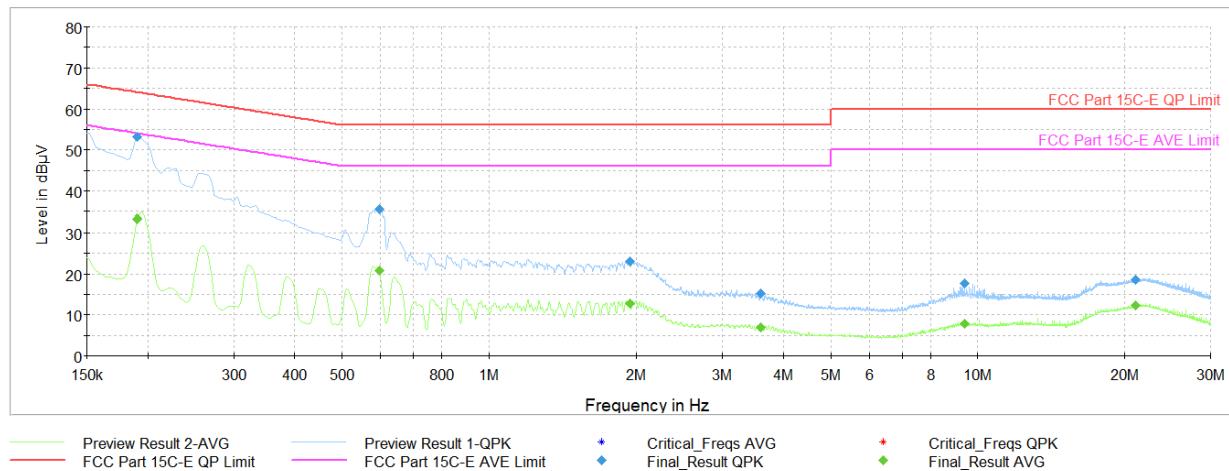
Frequency [MHz]	Process State	QuasiPeak [dB μ V]	Average [dB μ V]	Limit [dB μ V]	Margin [dB]	Line	PE
0.193	FINAL	53.0	—	63.92	-10.94	L1	GND
0.195	FINAL	—	34.59	53.82	-19.23	L1	GND
0.600	FINAL	—	21.49	46.00	-24.51	L1	GND
0.600	FINAL	36.7	—	56.00	-19.28	L1	GND
1.934	FINAL	—	14.00	46.00	-32.00	L1	GND
1.939	FINAL	24.2	—	56.00	-31.78	L1	GND
4.952	FINAL	—	7.43	46.00	-38.57	L1	GND
4.965	FINAL	15.7	—	56.00	-40.28	L1	GND
9.400	FINAL	—	12.11	50.00	-37.89	L1	GND
9.402	FINAL	19.9	—	60.00	-40.14	L1	GND
21.332	FINAL	20.3	—	60.00	-39.74	L1	GND
21.336	FINAL	—	13.45	50.00	-36.55	L1	GND

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

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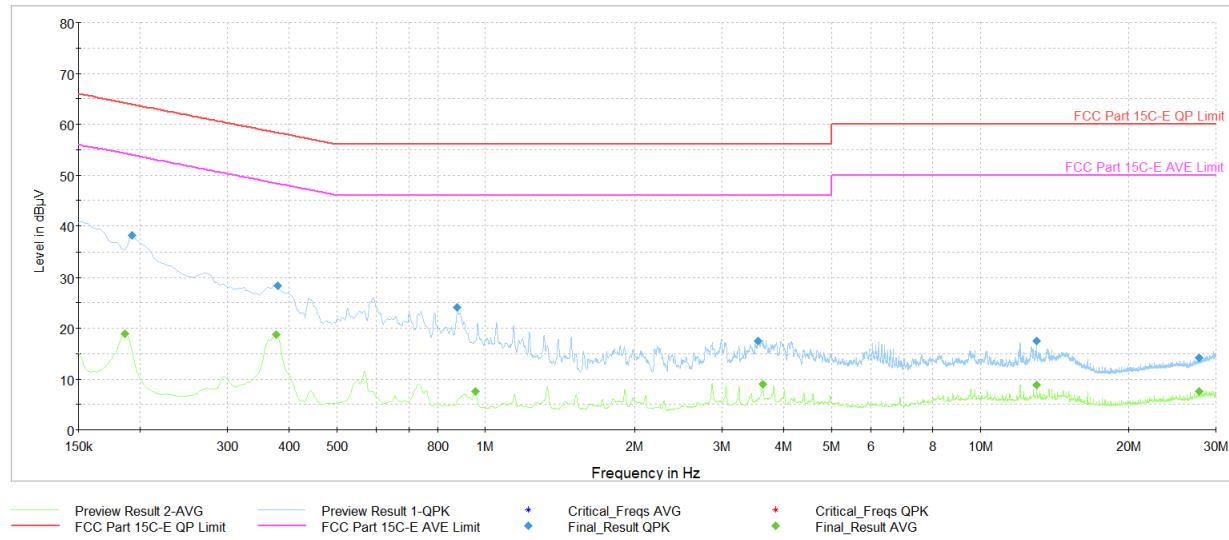


Plot 7-127. AC Line Conducted Plot (NB UNII BDR – 5157MHz) (N) with Laptop and USB-C Cable

Frequency [MHz]	Process State	QuasiPeak [dB μ V]	Average [dB μ V]	Limit [dB μ V]	Margin [dB]	Line	PE
0.191	FINAL	—	33.23	54.02	-20.78	N	GND
0.191	FINAL	53.2	—	64.02	-10.87	N	GND
0.596	FINAL	—	20.83	46.00	-25.17	N	GND
0.598	FINAL	35.6	—	56.00	-20.36	N	GND
1.939	FINAL	—	12.65	46.00	-33.35	N	GND
1.939	FINAL	23.1	—	56.00	-32.88	N	GND
3.588	FINAL	15.3	—	56.00	-40.70	N	GND
3.595	FINAL	—	6.93	46.00	-39.07	N	GND
9.386	FINAL	—	7.93	50.00	-42.07	N	GND
9.393	FINAL	17.7	—	60.00	-42.30	N	GND
21.091	FINAL	—	12.32	50.00	-37.68	N	GND
21.091	FINAL	18.6	—	60.00	-41.40	N	GND

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

FCC ID: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
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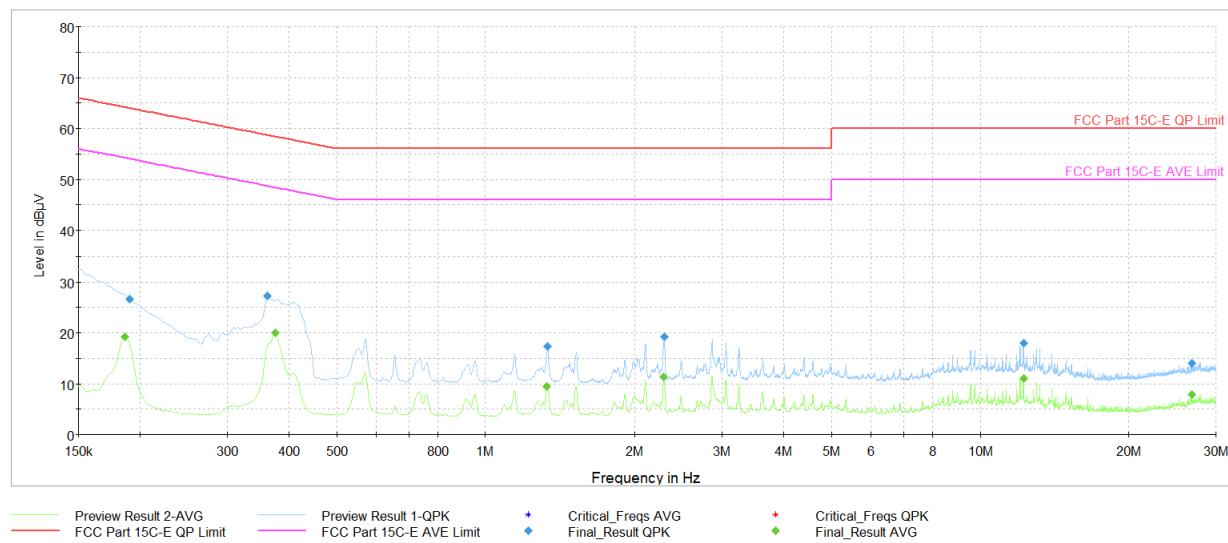


Plot 7-128. AC Line Conducted Plot (NB UNII LE2M – 5201MHz) (L1) with Laptop and USB-C Cable

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.186	FINAL	—	18.82	54.21	-35.39	L1	GND
0.193	FINAL	38.1	—	63.92	-25.79	L1	GND
0.377	FINAL	—	18.79	48.34	-29.55	L1	GND
0.380	FINAL	28.4	—	58.29	-29.91	L1	GND
0.877	FINAL	24.1	—	56.00	-31.90	L1	GND
0.953	FINAL	—	7.60	46.00	-38.40	L1	GND
3.548	FINAL	17.6	—	56.00	-38.45	L1	GND
3.629	FINAL	—	9.05	46.00	-36.95	L1	GND
13.002	FINAL	17.5	—	60.00	-42.55	L1	GND
13.007	FINAL	—	8.86	50.00	-41.14	L1	GND
27.737	FINAL	—	7.57	50.00	-42.43	L1	GND
27.740	FINAL	14.2	—	60.00	-45.78	L1	GND

Table 7-40. AC Line Conducted Data (NB UNII LE2M – 5201MHz) (L1) with Laptop and USB-C Cable

FCC ID: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
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Plot 7-129. AC Line Conducted Plot (NB UNII LE2M – 5201MHz) (N) with Laptop and USB-C Cable

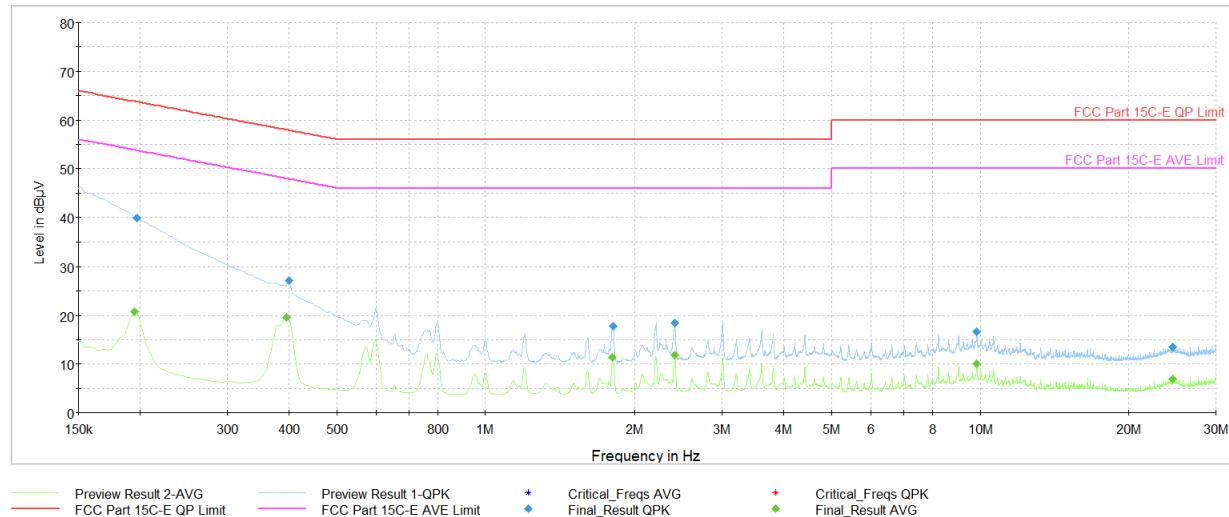
Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.186	FINAL	—	19.23	54.21	-34.98	N	GND
0.191	FINAL	26.7	—	64.02	-37.35	N	GND
0.362	FINAL	27.2	—	58.69	-31.51	N	GND
0.375	FINAL	—	20.00	48.39	-28.38	N	GND
1.329	FINAL	—	9.49	46.00	-36.51	N	GND
1.338	FINAL	17.4	—	56.00	-38.64	N	GND
2.290	FINAL	—	11.30	46.00	-34.70	N	GND
2.294	FINAL	19.2	—	56.00	-36.78	N	GND
12.235	FINAL	18.0	—	60.00	-41.97	N	GND
12.237	FINAL	—	10.98	50.00	-39.02	N	GND
26.777	FINAL	13.9	—	60.00	-46.06	N	GND
26.781	FINAL	—	7.83	50.00	-42.17	N	GND

Table 7-41. AC Line Conducted (NB UNII LE2M – 5201MHz) (N) with Laptop and USB-C Cable

FCC ID: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
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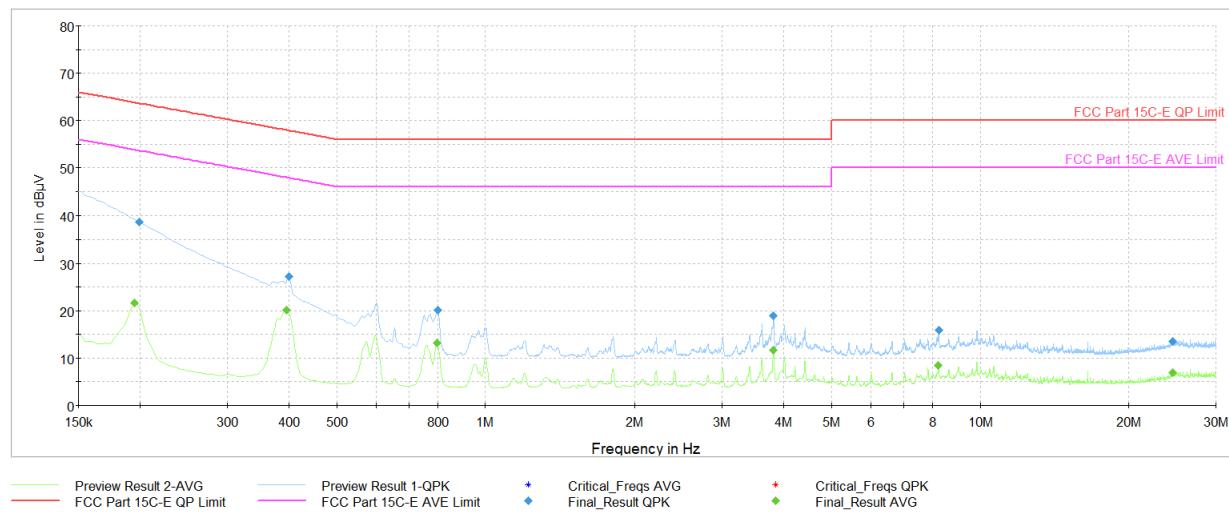


Plot 7-130. AC Line Conducted Plot (NB UNII HDR4 – 5245MHz) (L1) with Laptop and USB-C Cable

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.161	FINAL	—	12.19	55.40	-43.21	L1	GND
0.161	FINAL	28.9	—	65.40	-36.51	L1	GND
0.274	FINAL	—	10.52	51.00	-40.48	L1	GND
0.274	FINAL	25.7	—	61.00	-35.35	L1	GND
0.697	FINAL	—	9.93	46.00	-36.07	L1	GND
0.697	FINAL	17.8	—	56.00	-38.25	L1	GND
2.150	FINAL	12.8	—	56.00	-43.23	L1	GND
2.155	FINAL	—	6.00	46.00	-40.00	L1	GND
4.801	FINAL	19.9	—	56.00	-36.08	L1	GND
4.801	FINAL	—	11.92	46.00	-34.08	L1	GND
16.595	FINAL	—	9.20	50.00	-40.80	L1	GND
16.595	FINAL	14.4	—	60.00	-45.61	L1	GND

Table 7-42. AC Line Conducted Data (NB UNII HDR4 – 5245MHz) (L1) with Laptop and USB-C Cable

FCC ID: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
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Plot 7-131. AC Line Conducted Plot (NB UNII HDR4 – 5245MHz) (N) with Laptop and USB-C Cable

Frequency [MHz]	Process State	QuasiPeak [dBμV]	Average [dBμV]	Limit [dBμV]	Margin [dB]	Line	PE
0.195	FINAL	—	21.70	53.82	-32.12	N	GND
0.200	FINAL	38.5	—	63.63	-25.12	N	GND
0.395	FINAL	—	20.04	47.95	-27.91	N	GND
0.400	FINAL	27.3	—	57.86	-30.60	N	GND
0.798	FINAL	—	13.24	46.00	-32.76	N	GND
0.803	FINAL	20.1	—	56.00	-35.95	N	GND
3.813	FINAL	—	11.61	46.00	-34.39	N	GND
3.818	FINAL	18.9	—	56.00	-37.10	N	GND
8.228	FINAL	—	8.54	50.00	-41.46	N	GND
8.241	FINAL	16.0	—	60.00	-44.02	N	GND
24.538	FINAL	—	7.00	50.00	-43.00	N	GND
24.538	FINAL	13.6	—	60.00	-46.41	N	GND

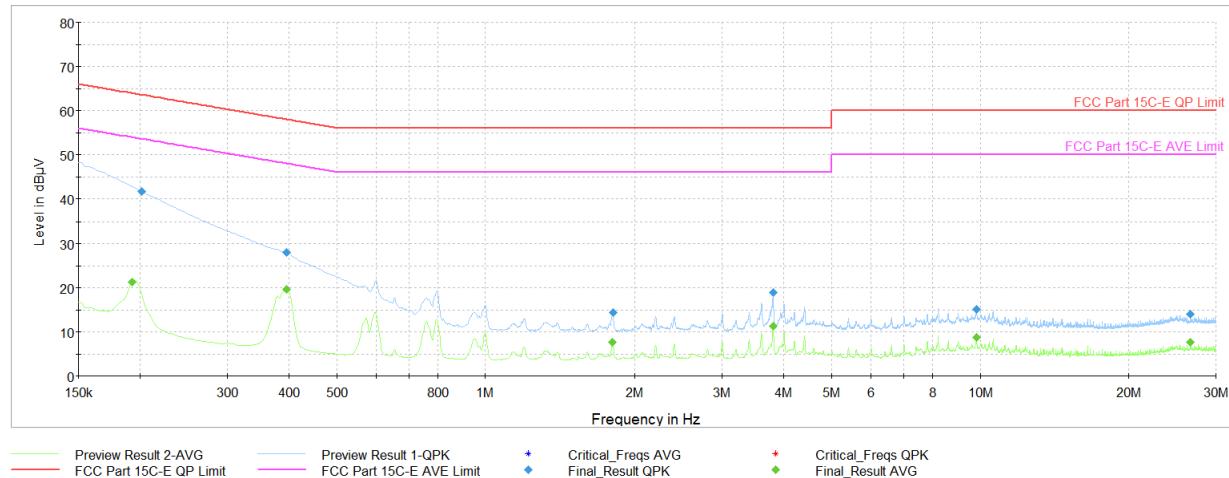
Table 7-43. AC Line Conducted (NB UNII HDR4 – 5245MHz) (N) with Laptop and USB-C Cable

FCC ID: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
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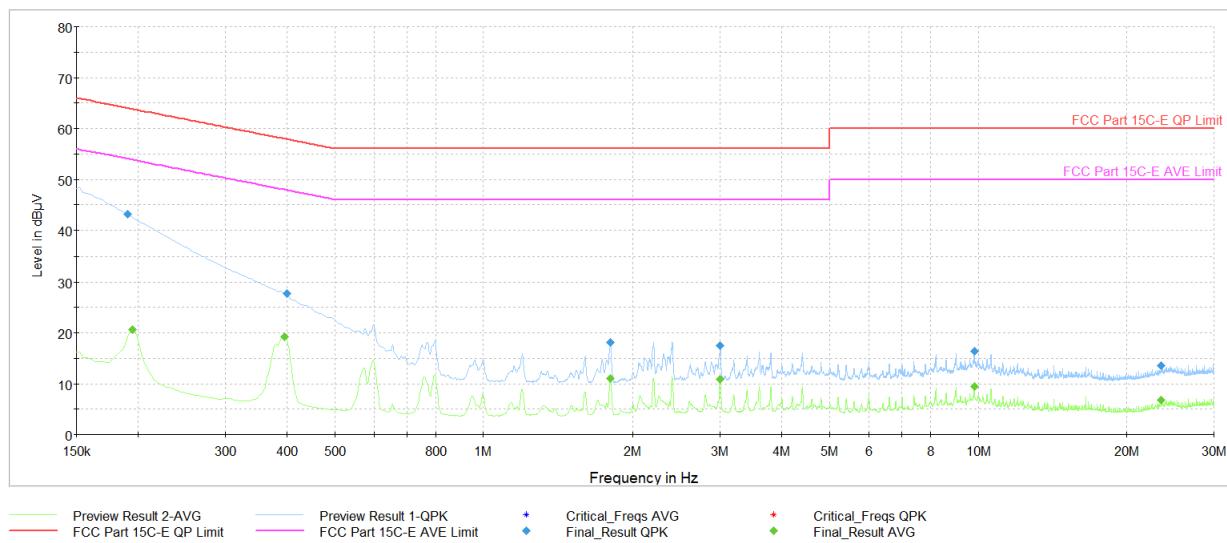


Plot 7-132. AC Line Conducted Plot (NB UNII HDRp4 – 5157MHz) (L1) with Laptop and USB-C Cable

Frequency [MHz]	Process State	QuasiPeak [dB μ V]	Average [dB μ V]	Limit [dB μ V]	Margin [dB]	Line	PE
0.193	FINAL	—	21.19	53.92	-32.73	L1	GND
0.202	FINAL	41.6	—	63.54	-21.91	L1	GND
0.395	FINAL	—	19.66	47.95	-28.29	L1	GND
0.395	FINAL	28.0	—	57.95	-29.95	L1	GND
1.799	FINAL	—	7.60	46.00	-38.40	L1	GND
1.804	FINAL	14.3	—	56.00	-41.68	L1	GND
3.804	FINAL	—	11.34	46.00	-34.66	L1	GND
3.809	FINAL	19.0	—	56.00	-37.03	L1	GND
9.825	FINAL	15.1	—	60.00	-44.88	L1	GND
9.825	FINAL	—	8.68	50.00	-41.32	L1	GND
26.671	FINAL	—	7.64	50.00	-42.36	L1	GND
26.671	FINAL	14.0	—	60.00	-46.02	L1	GND

Table 7-44. AC Line Conducted Data (NB UNII HDRp4 – 5157MHz) (L1) with Laptop and USB-C Cable

FCC ID: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
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Plot 7-133. AC Line Conducted Plot (NB UNII HDRp4 – 5157MHz) (N) with Laptop and USB-C Cable

Frequency [MHz]	Process State	QuasiPeak [dB μ V]	Average [dB μ V]	Limit [dB μ V]	Margin [dB]	Line	PE
0.191	FINAL	43.1	—	64.02	-20.92	N	GND
0.195	FINAL	—	20.68	53.82	-33.14	N	GND
0.395	FINAL	—	19.26	47.95	-28.69	N	GND
0.400	FINAL	27.7	—	57.86	-30.20	N	GND
1.799	FINAL	—	11.03	46.00	-34.97	N	GND
1.802	FINAL	18.1	—	56.00	-37.87	N	GND
3.003	FINAL	—	10.90	46.00	-35.10	N	GND
3.005	FINAL	17.5	—	56.00	-38.55	N	GND
9.814	FINAL	—	9.50	50.00	-40.50	N	GND
9.816	FINAL	16.4	—	60.00	-43.64	N	GND
23.471	FINAL	—	6.82	50.00	-43.18	N	GND
23.471	FINAL	13.6	—	60.00	-46.41	N	GND

Table 7-45. AC Line Conducted (NB UNII HDRp4 – 5157MHz) (N) with Laptop and USB-C Cable

FCC ID: BCGA3157	 element	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
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8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Apple Wireless Right Earbud** **FCC ID: BCGA3157** is in compliance with Part 15 Subpart E (15.407) of the FCC Rules.

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