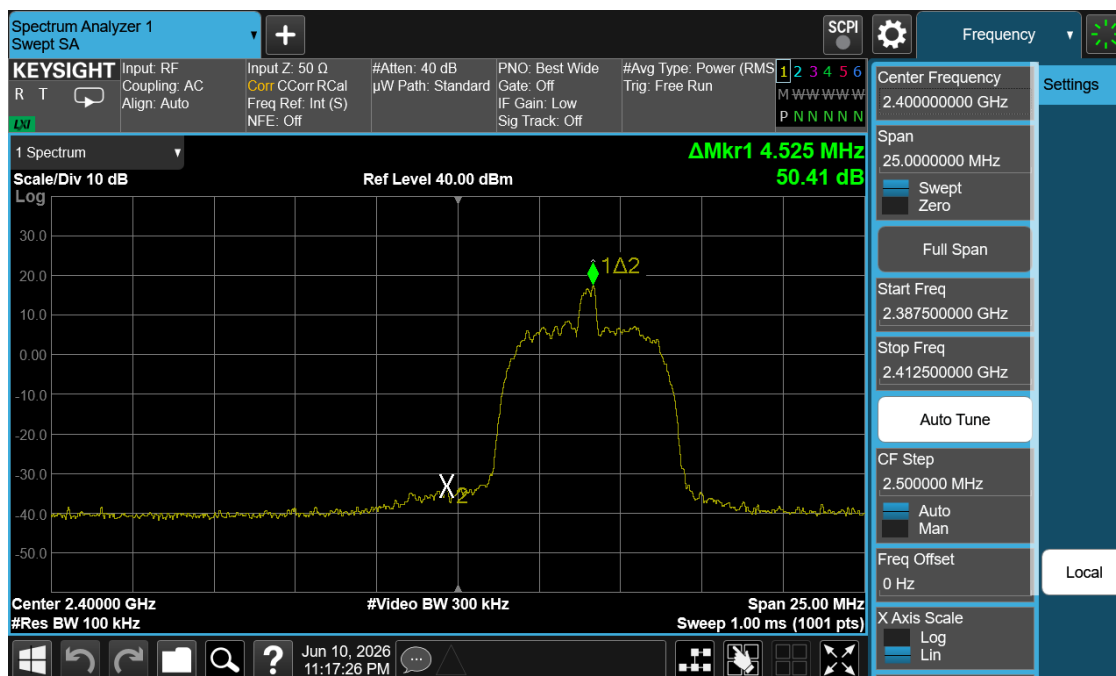
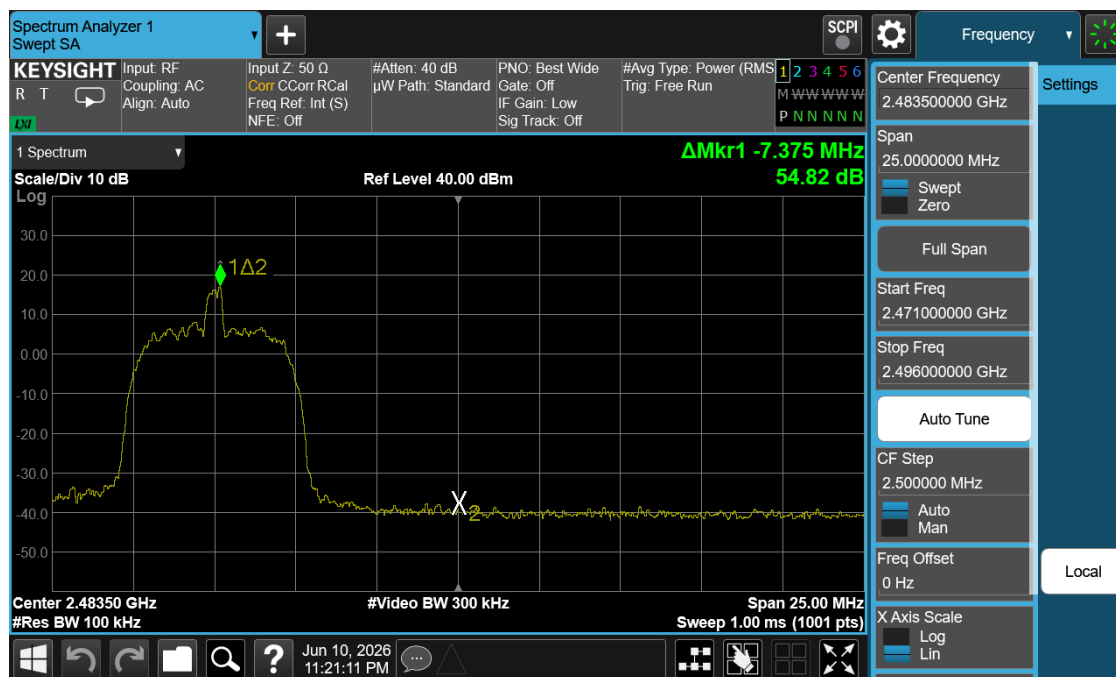




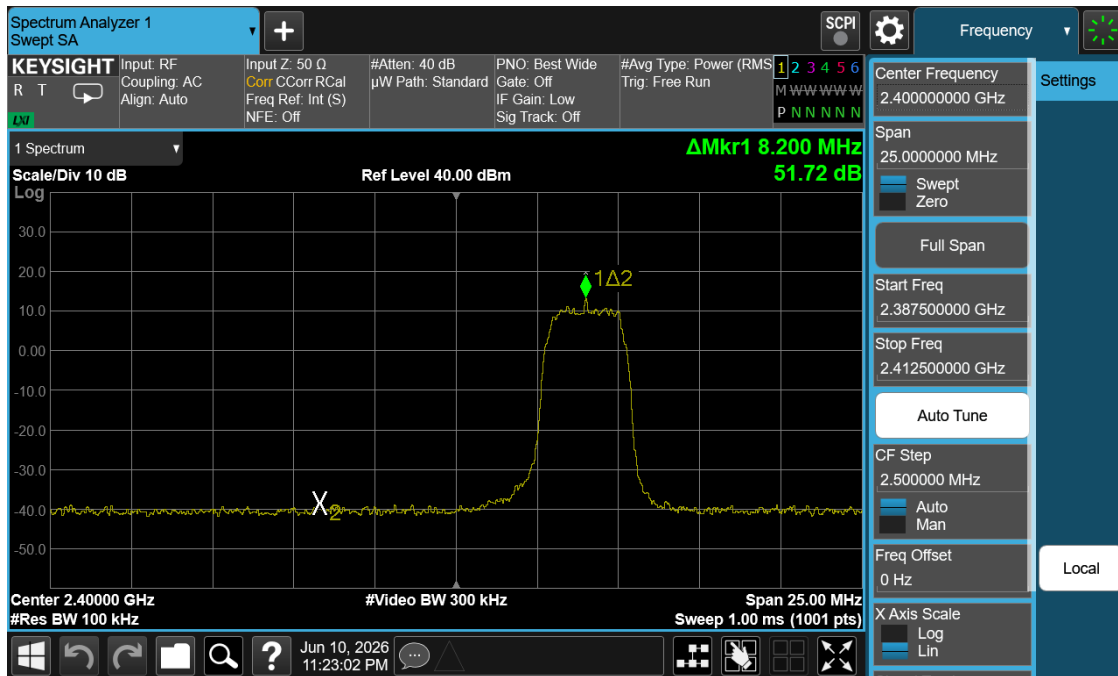
Plot 7-39. Band Edge Plot (Bluetooth (HDR8) – Ch. 1)



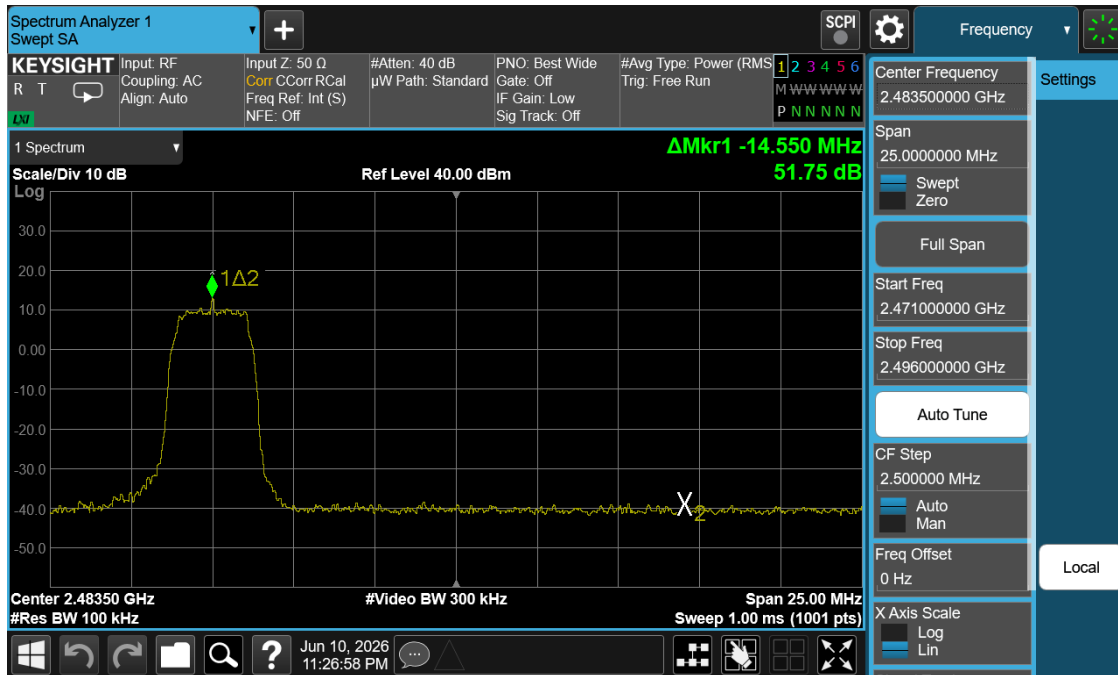
Plot 7-40. Band Edge Plot (Bluetooth (HDR8) – Ch. 73)

FCC ID: BCG-A3531 IC: 579C-A3531	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 6/18/2026 - 7/9/2026	EUT Type: Wireless Earbud	Approved by: Technical Manager
Test Report S/N: 1C2606090044-03-R2.BCG	 This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.			Page 48 of 78

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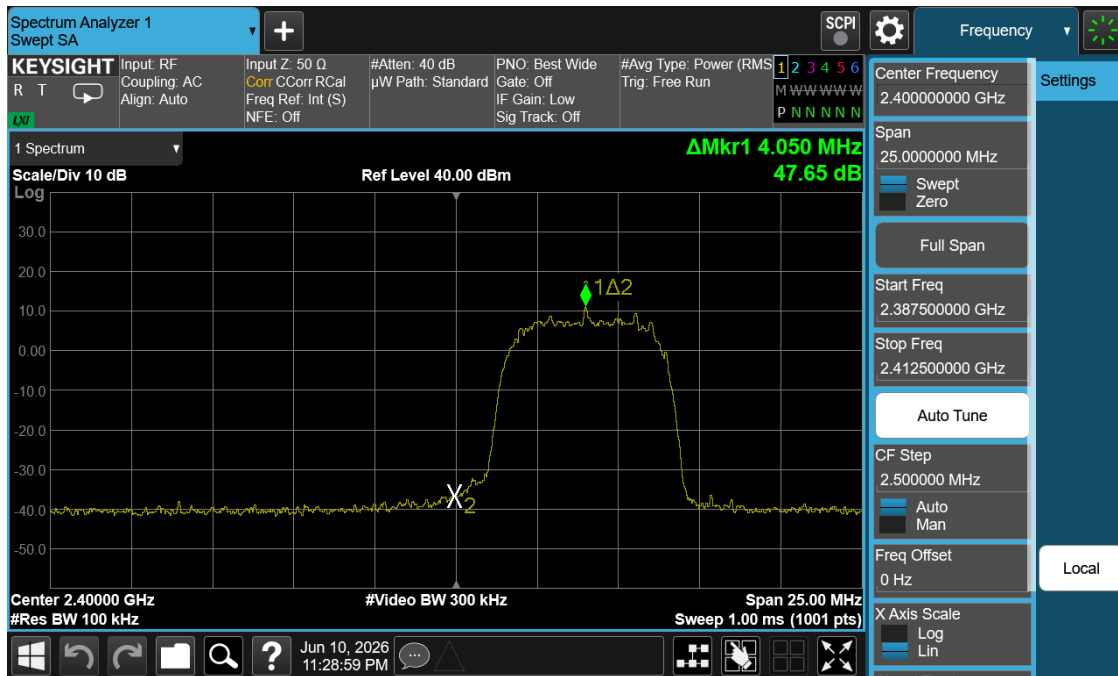


Plot 7-41. Band Edge Plot (Bluetooth (HDRp4) – Ch. 1)



Plot 7-42. Band Edge Plot (Bluetooth (HDRp4) – Ch. 73)

FCC ID: BCG-A3531 IC: 579C-A3531	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 6/18/2026 - 7/9/2026	EUT Type: Wireless Earbud	Approved by: Technical Manager
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Plot 7-43. Band Edge Plot (Bluetooth (HDRp8) – Ch. 1)



Plot 7-44. Band Edge Plot (Bluetooth (HDRp8) – Ch. 73)

FCC ID: BCG-A3531 IC: 579C-A3531	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 6/18/2026 - 7/9/2026	EUT Type: Wireless Earbud	Approved by: Technical Manager
Test Report S/N: 1C2606090044-03-R2.BCG	 This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.			Page 50 of 78

7.7 Conducted Spurious Emissions

Test Overview and Limit

For the following out of band conducted spurious emissions plots the EUT was set to transmit at maximum power with the largest packet size available. The worst case spurious emissions were found in this configuration.

The limit for out-of-band spurious emissions at the band edge is 20dB below the fundamental emission level as determined from the in-band power measurement of the DTS channel performed in a 100kHz bandwidth per the procedure in Section 8.5 of KDB 558074 D01 v05r02 and Subclause 11.11 of ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024.

Test Procedure Used

ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 – Subclause 11.11.3
KDB 558074 D01 v05r02 – Section 8.5
ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 – Subclause 14.5.3
KDB 662911 D01 v02r01 – Section E)3)b)

Test Settings

1. Start frequency was set to 30MHz and stop frequency was set to 25GHz (separated into two plots per channel)
2. RBW = 100kHz
3. VBW $\geq 3 \times$ RBW
4. Detector = Peak
5. Trace mode = max hold
6. Sweep time = auto couple
7. The trace was allowed to stabilize

Test Setup

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

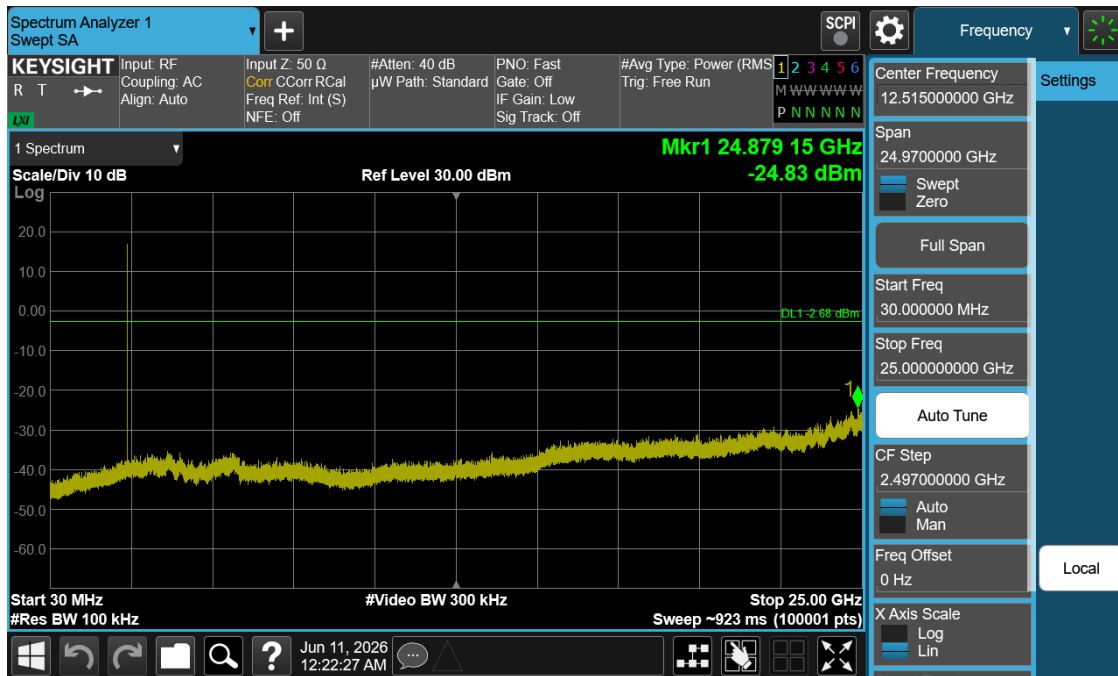


Figure 7-6. Test Instrument & Measurement Setup

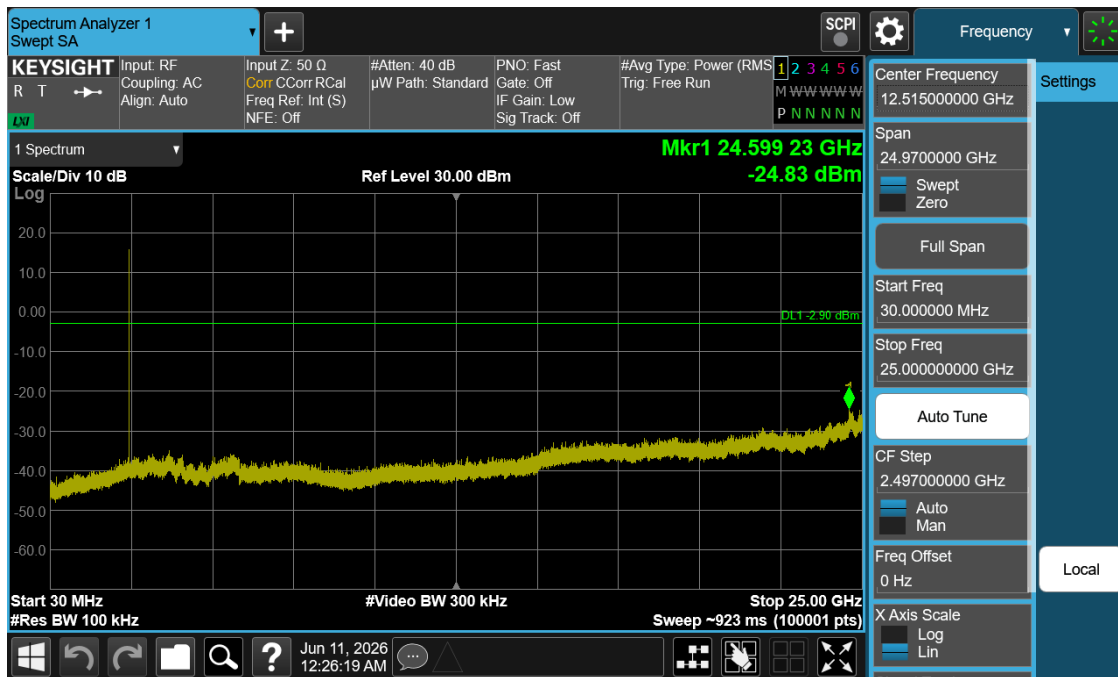
Test Notes

All supported modulations have been tested on the unit and only worst case configuration is reported.

FCC ID: BCG-A3531 IC: 579C-A3531	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 6/18/2026 - 7/9/2026	EUT Type: Wireless Earbud	Approved by: Technical Manager
Test Report S/N: 1C2606090044-03-R2.BCG	 This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.			Page 51 of 78

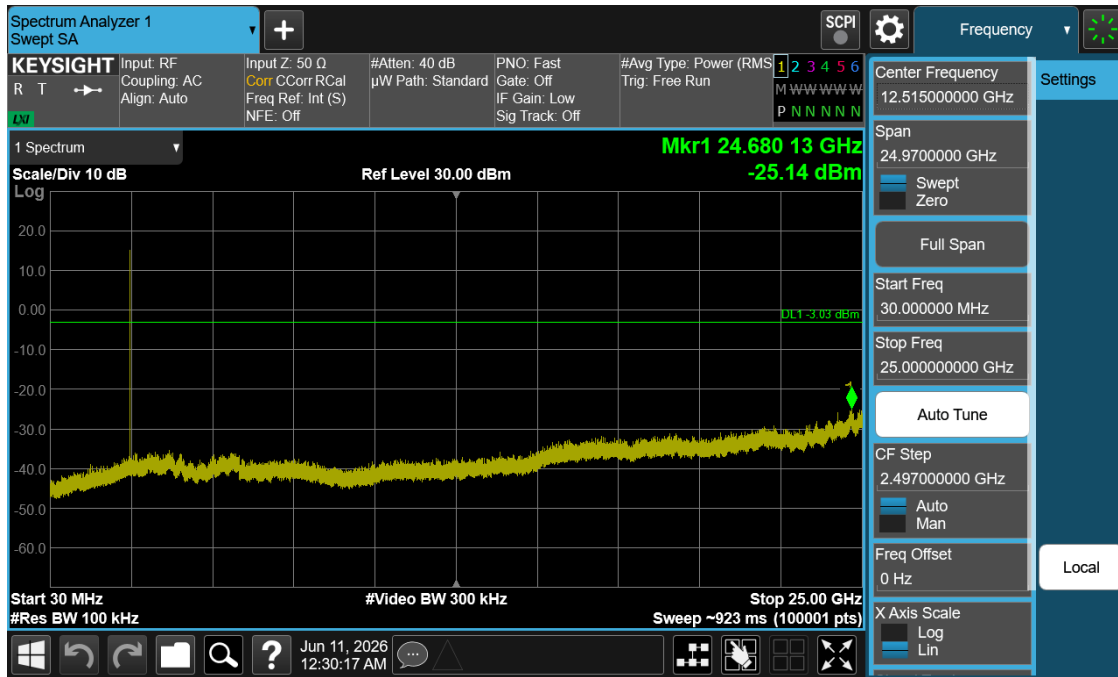


Plot 7-45. Conducted Spurious Plot (Bluetooth (HDR4) 4 Mbps – Ch. 1)

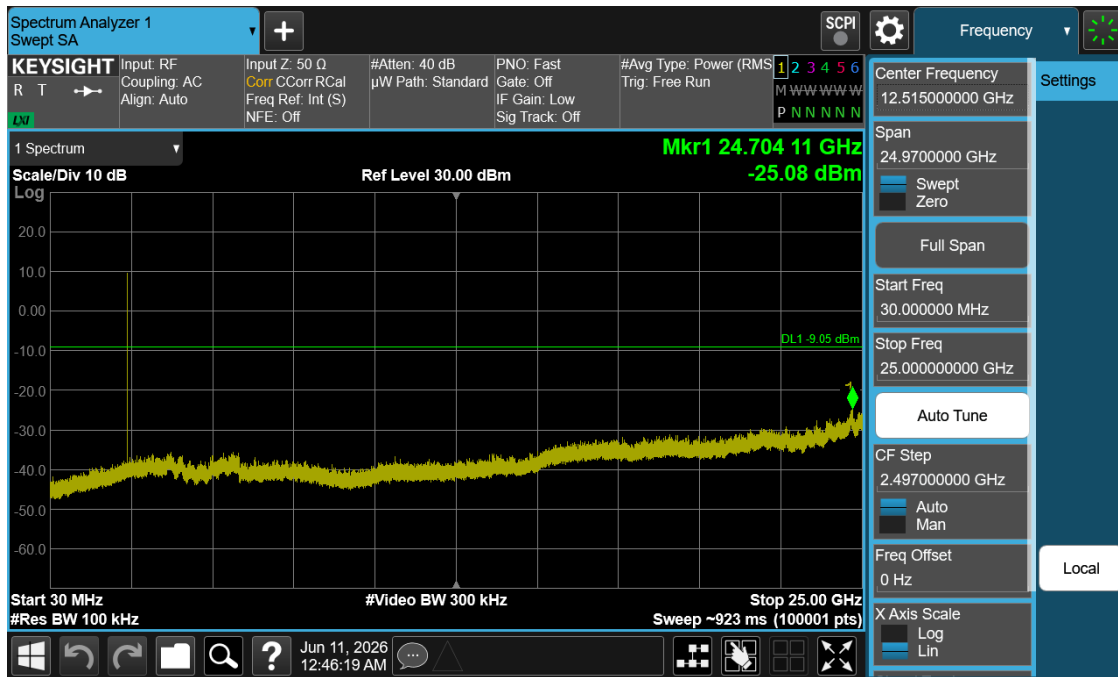


Plot 7-46. Conducted Spurious Plot (Bluetooth (HDR4) 4 Mbps – Ch. 38)

FCC ID: BCG-A3531 IC: 579C-A3531	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 6/18/2026 - 7/9/2026	EUT Type: Wireless Earbud	Approved by: Technical Manager
Test Report S/N: 1C2606090044-03-R2.BCG	 This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.			Page 52 of 78

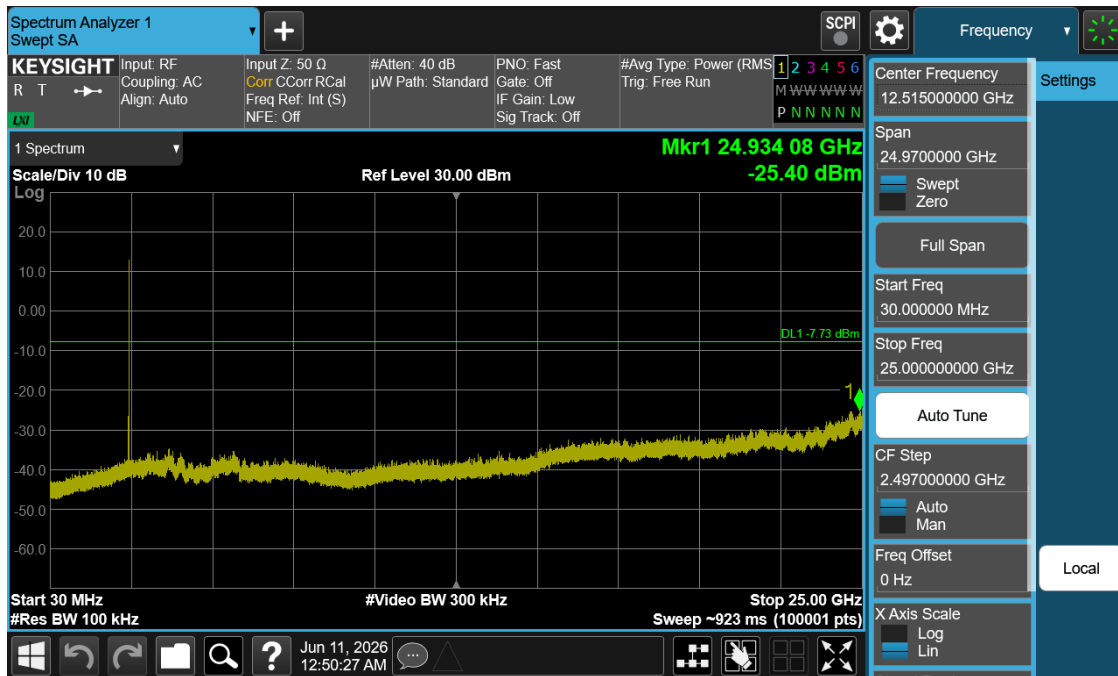


Plot 7-47. Conducted Spurious Plot (Bluetooth (HDR4) 4 Mbps – Ch. 73)

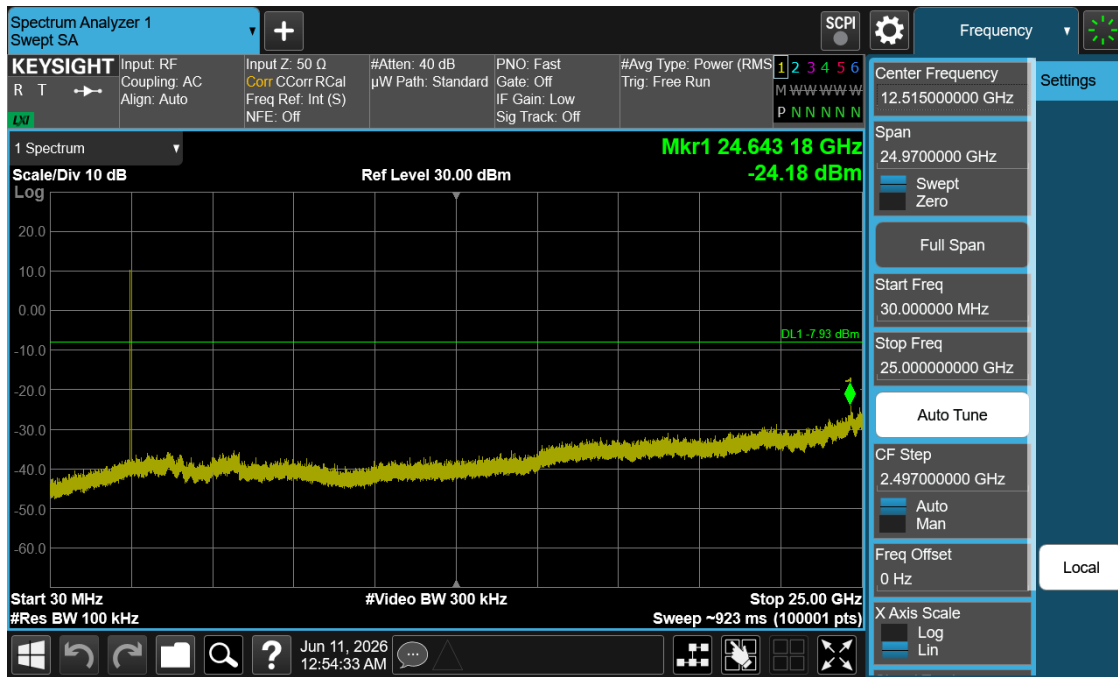


Plot 7-48. Conducted Spurious Plot (Bluetooth (HDRp4) 4 Mbps – Ch. 1)

FCC ID: BCG-A3531 IC: 579C-A3531	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 6/18/2026 - 7/9/2026	EUT Type: Wireless Earbud	Approved by: Technical Manager
Test Report S/N: 1C2606090044-03-R2.BCG	 This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.			Page 53 of 78



Plot 7-49. Conducted Spurious Plot (Bluetooth (HDRp4) 4 Mbps – Ch. 38)



Plot 7-50. Conducted Spurious Plot (Bluetooth (HDRp4) 4 Mbps – Ch. 73)

FCC ID: BCG-A3531 IC: 579C-A3531	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 6/18/2026 - 7/9/2026	EUT Type: Wireless Earbud	Approved by: Technical Manager
Test Report S/N: 1C2606090044-03-R2.BCG	 This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.			Page 54 of 78

7.8 Radiated Spurious Emissions – Above 1GHz

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 maximum power and at the appropriate frequencies. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR and Table 7 of RSS-Gen (7.5) must not exceed the limits shown in Table 7-9 per Section 15.209 and RSS-Gen (7.4.3).

Frequency	Field Strength [$\mu\text{V/m}$]	Measured Distance [Meters]
Above 960.0 MHz	500	3

Table 7-9. Radiated Limits

Test Procedures Used

ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024 – Subclause 6.6.4.3
KDB 558074 D01 v05r02 – Sections 8.6, 8.7

Test Settings

Average Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = power average (RMS)
5. Number of measurement points = 1001 (Number of points must be $\geq 2 \times \text{span/RBW}$)
6. Sweep time = auto
7. Trace (RMS) averaging was performed over at least 100 traces

Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

FCC ID: BCG-A3531 IC: 579C-A3531	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 6/18/2026 - 7/9/2026	EUT Type: Wireless Earbud	Approved by: Technical Manager
Test Report S/N: 1C2606090044-03-R2.BCG	 This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.			Page 55 of 78

Test Setup

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

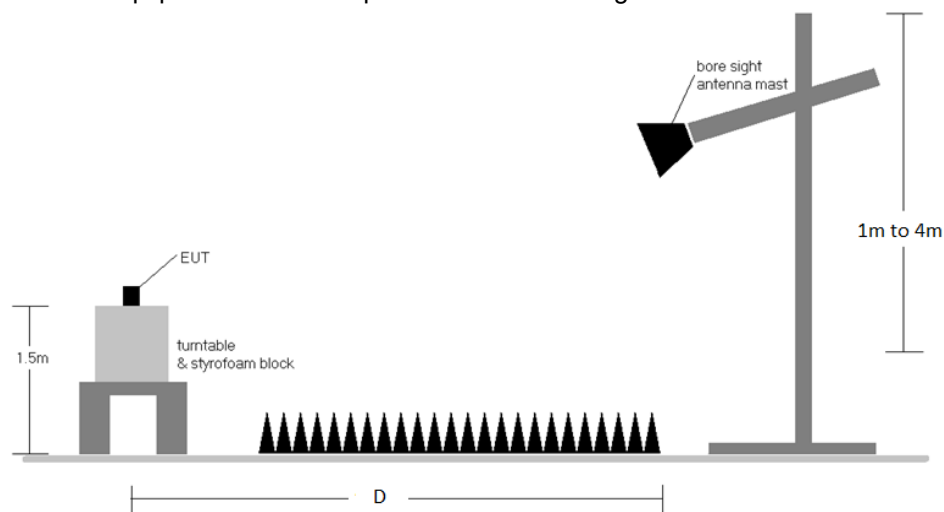


Figure 7-7. Radiated Test Setup >1GHz

Test Notes

1. The optional test procedures for antenna port conducted measurements of unwanted emissions per the guidance of KDB 558074 D01 v05r02 were not used to evaluate this device for compliance to radiated limits. All radiated spurious emissions levels were measured in a radiated test setup.
2. All emissions lying in restricted bands specified in §15.205 and Section 7.5 of RSS-Gen are below the limit shown in Table 7-9.
3. The antenna is manipulated through typical positions, polarity and length during the tests. The EUT is manipulated through three orthogonal planes.
4. This unit was tested with its standard battery.
5. The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter using CISPR quasi peak detector below 1GHz. Above 1 GHz, average and peak measurements were taken using linearly polarized horn antennas.
6. D is the measurement test distance and emissions 1-18GHz were measured at a 3 meters test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
7. The "-" shown in the following RSE tables are used to denote a noise floor measurement.
8. All supported modulations have been tested on the unit and only worst case configuration is reported.

FCC ID: BCG-A3531 IC: 579C-A3531	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 6/18/2026 - 7/9/2026	EUT Type: Wireless Earbud	Approved by: Technical Manager
Test Report S/N: 1C2606090044-03-R2.BCG	 This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.			Page 56 of 78

Sample Calculations

Determining Spurious Emissions Levels

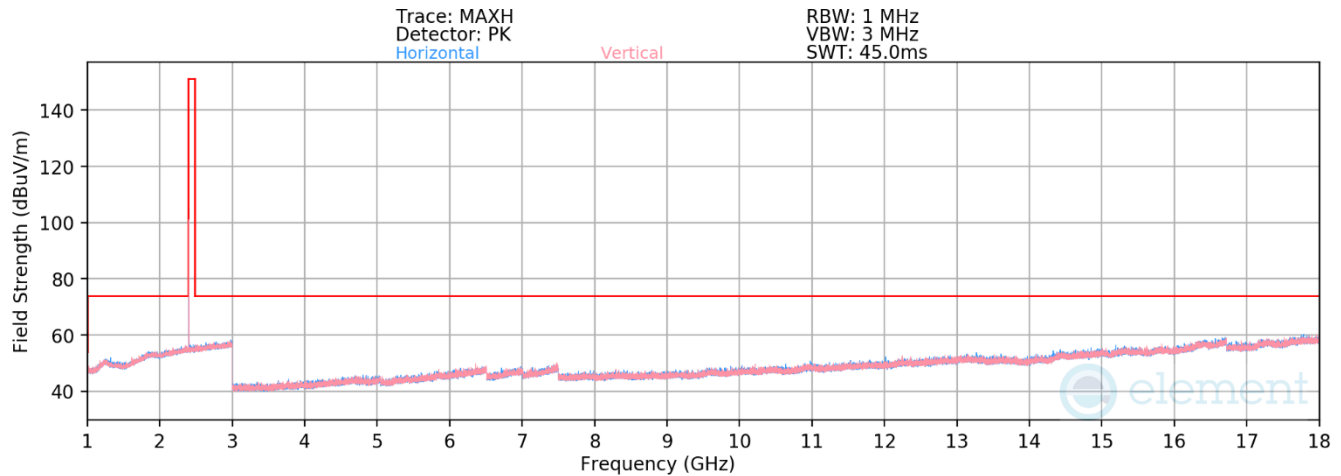
- Field Strength Level $_{\text{[dB}\mu\text{V/m]}} = \text{Analyzer Level}_{\text{[dBm]}} + 107 + \text{AFCL}_{\text{[dB/m]}}$
- $\text{AFCL}_{\text{[dB/m]}} = \text{Antenna Factor}_{\text{[dB/m]}} + \text{Cable Loss}_{\text{[dB]}} - \text{Preamplifier Gain}_{\text{[dB]}}$
- $\text{Margin}_{\text{[dB]}}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

Radiated Band Edge Measurement Offset

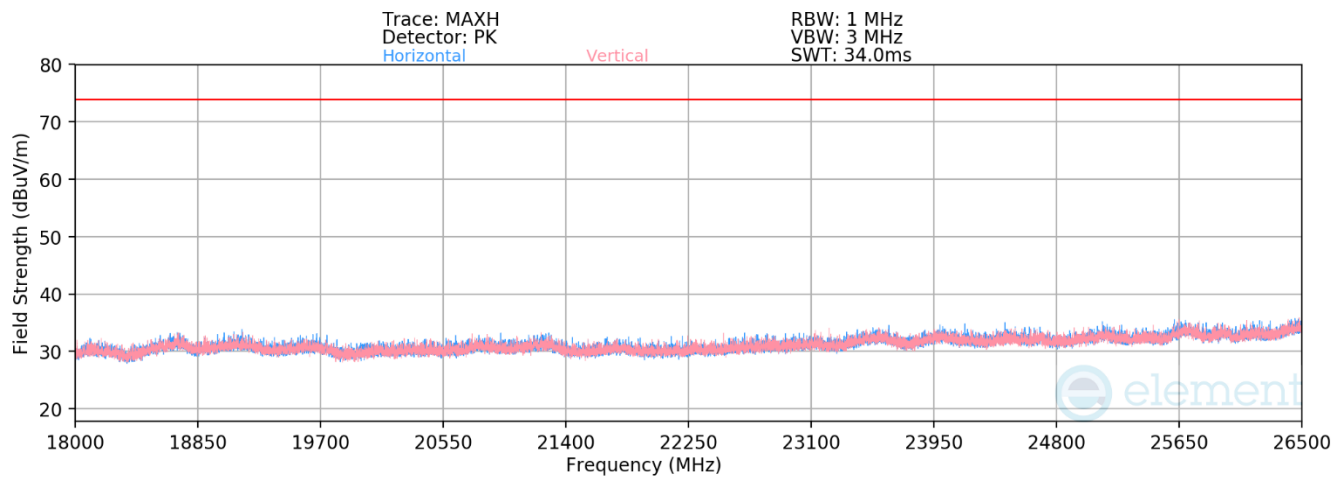
- The amplitude offset shown in the radiated restricted band edge plots in Section 7.8.2 was calculated using the formula:
Offset (dB) = (Antenna Factor + Cable Loss + Attenuator) – Preamplifier Gain

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7.8.1 Radiated Spurious Emission Measurements (Above 1GHz)



Plot 7-51. Radiated Spurious Emissions 1-18GHz (4Mbps, HDR4 – Ch. 1)



Plot 7-52. Radiated Spurious Emissions above 18GHz (4Mbps, HDR4 – Ch. 1)

FCC ID: BCG-A3531 IC: 579C-A3531	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 6/18/2026 - 7/9/2026	EUT Type: Wireless Earbud	Approved by: Technical Manager
Test Report S/N: 1C2606090044-03-R2.BCG	 This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.			Page 58 of 78

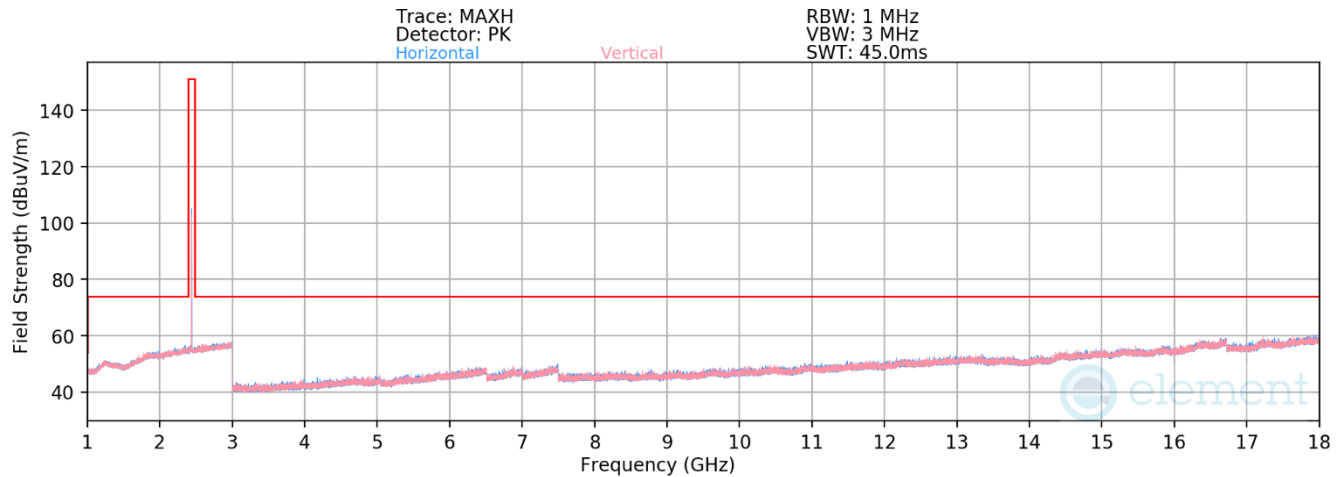
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Bluetooth Mode: HDR4
 Data Rate: 4Mbps
 Distance of Measurements: 3 Meters
 Operating Frequency: 2404MHz
 Channel: 1

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Duty Cycle Correction [dB]	Dist. Corr. Factor [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4808.00	Avg	H	100	3	-76.99	5.06	1.09	0.00	35.07	53.98	-18.91
4808.00	Peak	H	100	3	-65.88	5.06	0.00	0.00	46.18	73.98	-27.80
12020.00	Avg	H	-	-	-80.88	13.44	0.00	0.00	39.56	53.98	-14.42
12020.00	Peak	H	-	-	-69.91	13.44	0.00	0.00	50.53	73.98	-23.45
19232.00	Avg	H	-	-	-60.98	-7.49	0.00	-9.54	28.99	53.98	-24.99
19232.00	Peak	H	-	-	-48.54	-7.49	0.00	-9.54	41.43	73.98	-32.55

Table 7-10. Radiated Spurious Emission Measurements

FCC ID: BCG-A3531 IC: 579C-A3531	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 6/18/2026 - 7/9/2026	EUT Type: Wireless Earbud	Approved by: Technical Manager
Test Report S/N: 1C2606090044-03-R2.BCG		This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.		Page 59 of 78



Plot 7-53. Radiated Spurious Emissions 1-18GHz (4Mbps, HDR4 – Ch. 38)

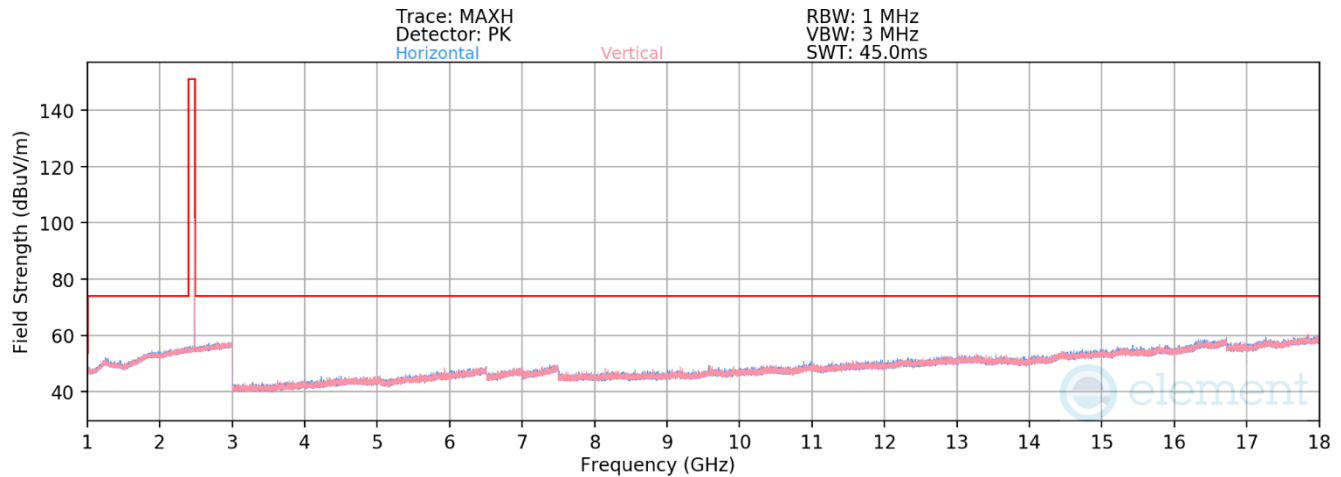
Bluetooth Mode: HDR4
Data Rate: 4Mbps
Distance of Measurements: 3 Meters
Operating Frequency: 2441MHz
Channel: 38

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]
4882.00	Avg	H	114	331	-77.61	5.02	1.09	34.41	53.98	-19.57
4882.00	Peak	H	114	331	-66.40	5.02	0.00	45.62	73.98	-28.36
7323.00	Avg	H	-	-	-78.65	8.96	0.00	37.31	53.98	-16.67
7323.00	Peak	H	-	-	-67.36	8.96	0.00	48.61	73.98	-25.37
12205.00	Avg	H	-	-	-80.39	13.80	0.00	40.42	53.98	-13.56
12205.00	Peak	H	-	-	-69.65	13.80	0.00	51.15	73.98	-22.83

Table 7-11. Radiated Spurious Emission Measurements

FCC ID: BCG-A3531 IC: 579C-A3531	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 6/18/2026 - 7/9/2026	EUT Type: Wireless Earbud	Approved by: Technical Manager
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Plot 7-54. Radiated Spurious Emissions 1-18GHz (4Mbps, HDR4 – Ch. 73)

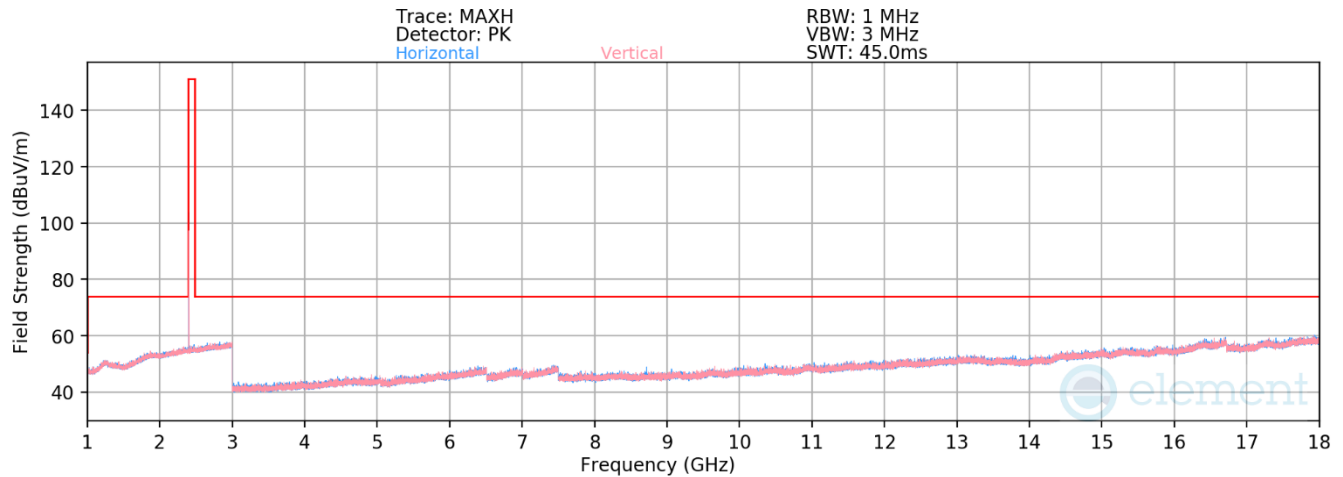
Bluetooth Mode: HDR4
Data Rate: 4Mbps
Distance of Measurements: 3 Meters
Operating Frequency: 2476MHz
Channel: 73

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]
4952.00	Avg	H	219	346	-78.65	5.18	1.09	33.53	53.98	-20.45
4952.00	Peak	H	219	346	-67.15	5.18	0.00	45.03	73.98	-28.95
7428.00	Avg	H	-	-	-78.09	8.88	0.00	37.79	53.98	-16.19
7428.00	Peak	H	-	-	-66.12	8.88	0.00	49.76	73.98	-24.22
12380.00	Avg	H	-	-	-80.73	14.00	0.00	40.27	53.98	-13.71
12380.00	Peak	H	-	-	-69.40	14.00	0.00	51.60	73.98	-22.38

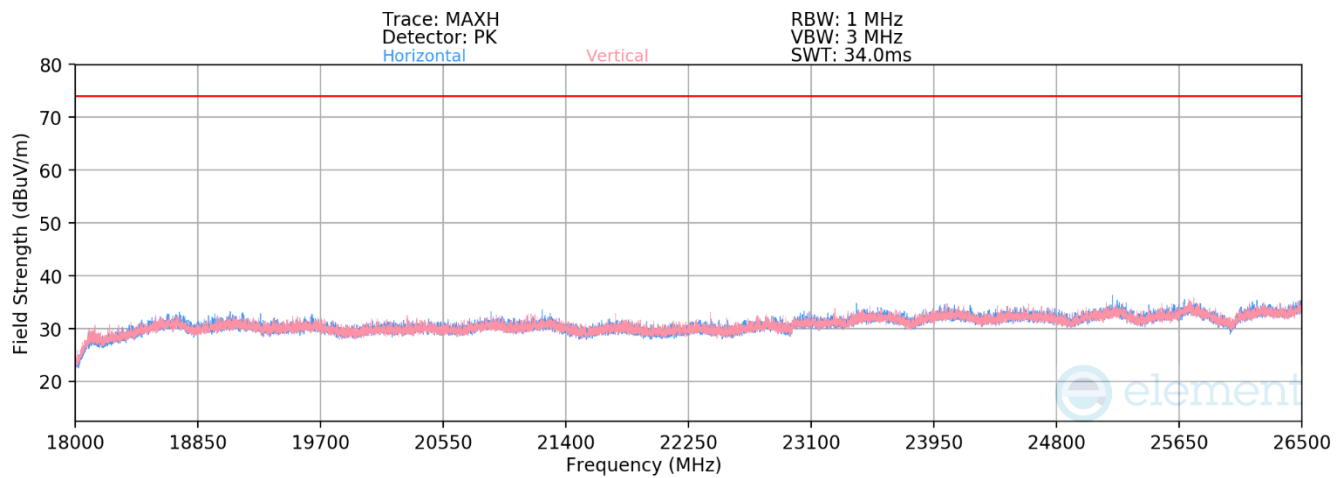
Table 7-12. Radiated Spurious Emission Measurements

FCC ID: BCG-A3531 IC: 579C-A3531	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 6/18/2026 - 7/9/2026	EUT Type: Wireless Earbud	Approved by: Technical Manager
Test Report S/N: 1C2606090044-03-R2.BCG	 This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.			Page 61 of 78

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Plot 7-55. Radiated Spurious Emissions 1-18GHz (4Mbps, HDRp4 – Ch. 1)



Plot 7-56. Radiated Spurious Emissions above 18GHz (4Mbps, HDRp4 – Ch. 1)

FCC ID: BCG-A3531 IC: 579C-A3531	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 6/18/2026 - 7/9/2026	EUT Type: Wireless Earbud	Approved by: Technical Manager
Test Report S/N: 1C2606090044-03-R2.BCG	 This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.			Page 62 of 78

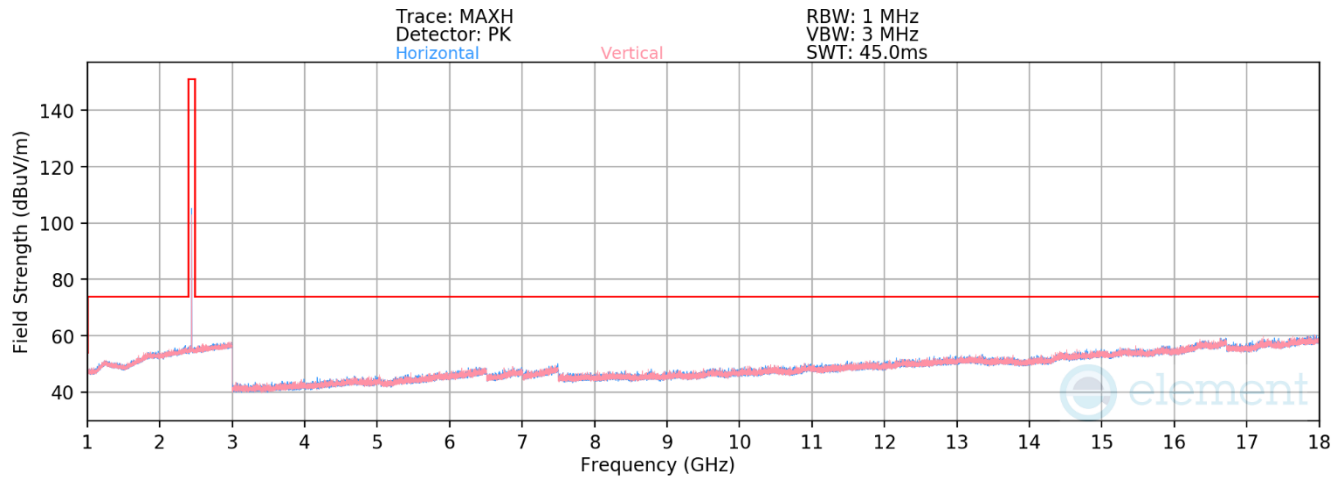
Bluetooth Mode: HDRp4
 Data Rate: 4Mbps
 Distance of Measurements: 3 Meters
 Operating Frequency: 2404MHz
 Channel: 1

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Duty Cycle Correction [dB]	Dist. Corr. Factor [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4808.00	Avg	H	212	346	-77.49	5.06	0.60	0.00	35.17	53.98	-18.81
4808.00	Peak	H	212	346	-66.20	5.06	0.00	0.00	45.86	73.98	-28.12
12020.00	Avg	H	-	-	-80.42	13.44	0.00	0.00	40.02	53.98	-13.96
12020.00	Peak	H	-	-	-68.81	13.44	0.00	0.00	51.63	73.98	-22.35
19232.00	Avg	H	-	-	-61.28	-7.97	0.00	-9.54	28.21	53.98	-25.77
19232.00	Peak	H	-	-	-49.47	-7.97	0.00	-9.54	40.02	73.98	-33.96

Table 7-13. Radiated Spurious Emission Measurements

FCC ID: BCG-A3531 IC: 579C-A3531	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 6/18/2026 - 7/9/2026	EUT Type: Wireless Earbud	Approved by: Technical Manager
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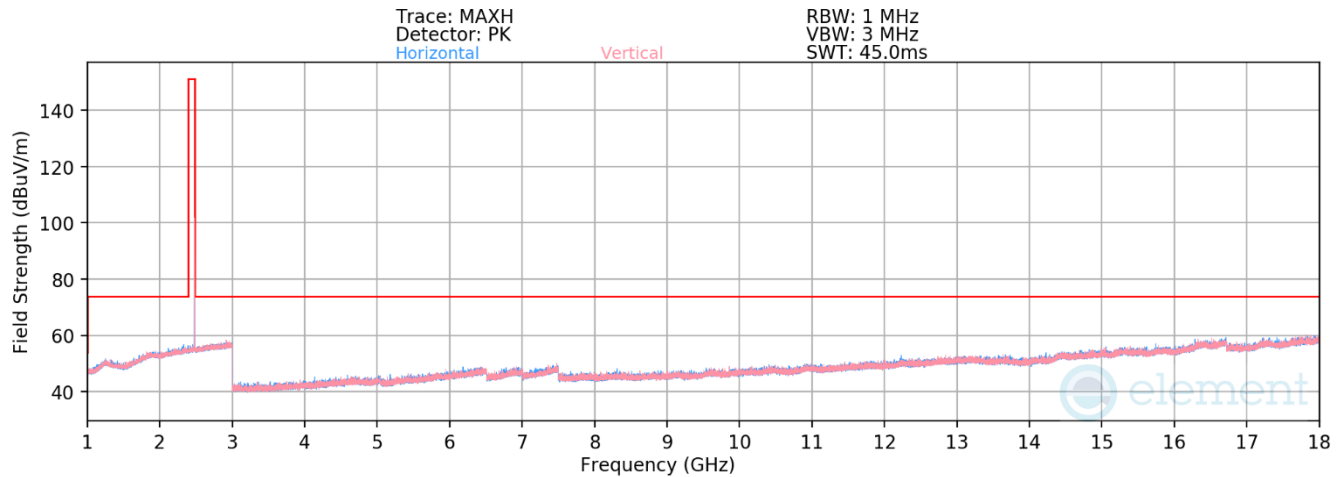
Plot 7-57. Radiated Spurious Emissions 1-18GHz (4Mbps, HDRp4 – Ch. 38)

Bluetooth Mode: HDRp4
Data Rate: 4Mbps
Distance of Measurements: 3 Meters
Operating Frequency: 2441MHz
Channel: 38

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]
4882.00	Avg	H	124	336	-78.42	5.02	0.60	34.20	53.98	-19.78
4882.00	Peak	H	124	336	-67.27	5.02	0.00	44.76	73.98	-29.22
7323.00	Avg	H	-	-	-78.58	8.96	0.00	37.39	53.98	-16.59
7323.00	Peak	H	-	-	-66.31	8.96	0.00	49.65	73.98	-24.33
12205.00	Avg	H	-	-	-80.24	13.80	0.00	40.57	53.98	-13.41
12205.00	Peak	H	-	-	-69.49	13.80	0.00	51.32	73.98	-22.66

Table 7-14. Radiated Spurious Emission Measurements

FCC ID: BCG-A3531 IC: 579C-A3531	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 6/18/2026 - 7/9/2026	EUT Type: Wireless Earbud	Approved by: Technical Manager
Test Report S/N: 1C2606090044-03-R2.BCG	 This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.			Page 64 of 78



Plot 7-58. Radiated Spurious Emissions 1-18GHz (4Mbps, HDRp4 – Ch. 73)

Bluetooth Mode: HDRp4
Data Rate: 4Mbps
Distance of Measurements: 3 Meters
Operating Frequency: 2476MHz
Channel: 73

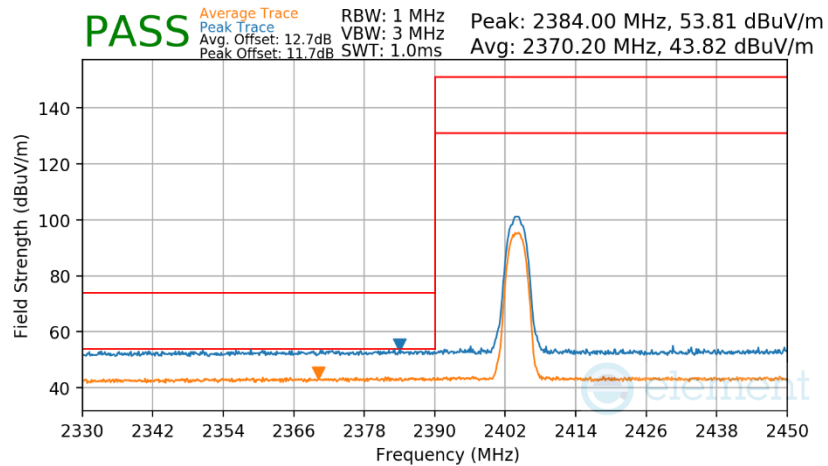
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
4952.00	Avg	H	-	-	-78.65	5.18	33.53	53.98	-20.45
4952.00	Peak	H	-	-	-67.19	5.18	44.99	73.98	-28.99
7428.00	Avg	H	-	-	-78.29	8.88	37.59	53.98	-16.39
7428.00	Peak	H	-	-	-66.67	8.88	49.21	73.98	-24.77
12380.00	Avg	H	-	-	-80.66	14.00	40.34	53.98	-13.64
12380.00	Peak	H	-	-	-69.31	14.00	51.69	73.98	-22.29

Table 7-15. Radiated Spurious Emission Measurements

FCC ID: BCG-A3531 IC: 579C-A3531	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 6/18/2026 - 7/9/2026	EUT Type: Wireless Earbud	Approved by: Technical Manager
Test Report S/N: 1C2606090044-03-R2.BCG	 This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo.			Page 65 of 78

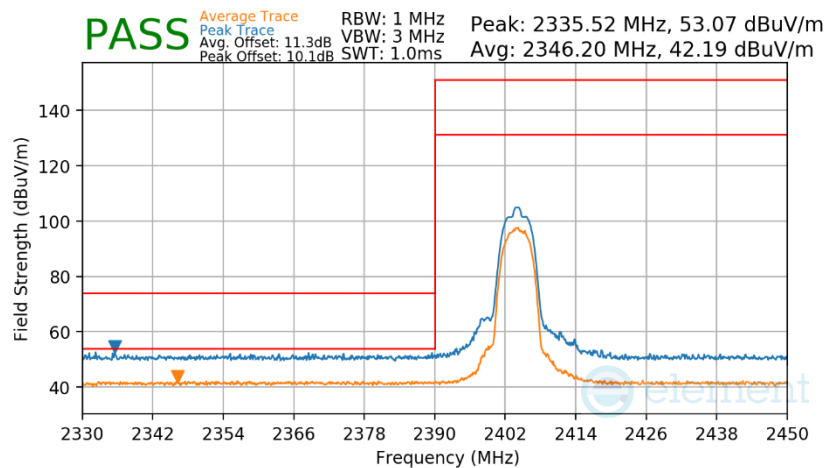
7.8.4 Radiated Restricted Band Edge Measurements

Bluetooth Mode:	HDR4
Data Rate:	4Mbps
Measurement Distance:	3 Meters
Operating Frequency:	2404MHz
Channel:	1



Plot 7-59. Radiated Restricted Lower Band Edge Measurement

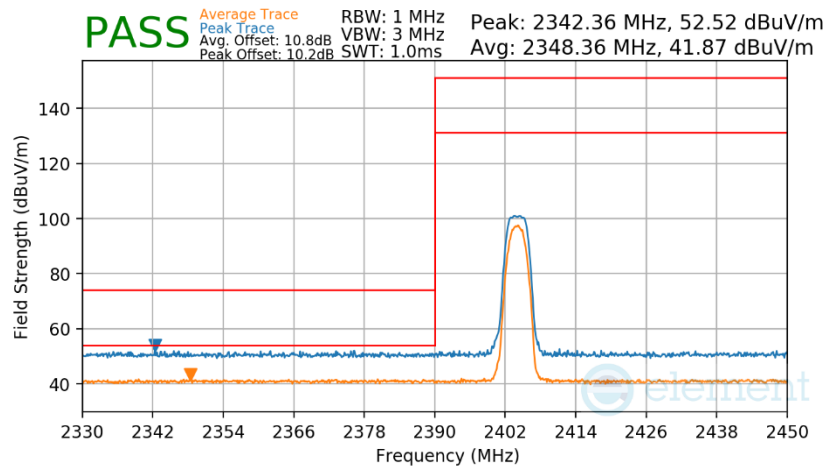
Bluetooth Mode:	HDR8
Data Rate:	8Mbps
Measurement Distance:	3 Meters
Operating Frequency:	2404MHz
Channel:	1



Plot 7-60. Radiated Restricted Lower Band Edge Measurement

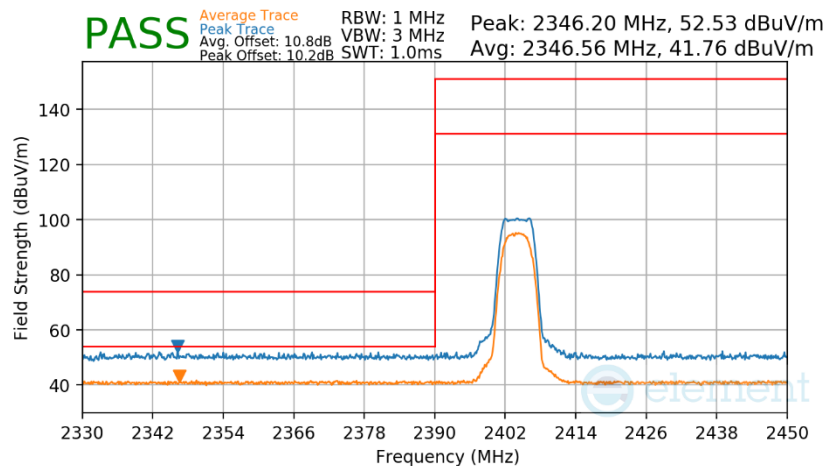
FCC ID: BCG-A3531 IC: 579C-A3531	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 6/18/2026 - 7/9/2026	EUT Type: Wireless Earbud	Approved by: Technical Manager
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Bluetooth Mode: HDRp4
 Data Rate: 4Mbps
 Measurement Distance: 3 Meters
 Operating Frequency: 2404MHz
 Channel: 1



Plot 7-61. Radiated Restricted Lower Band Edge Measurement

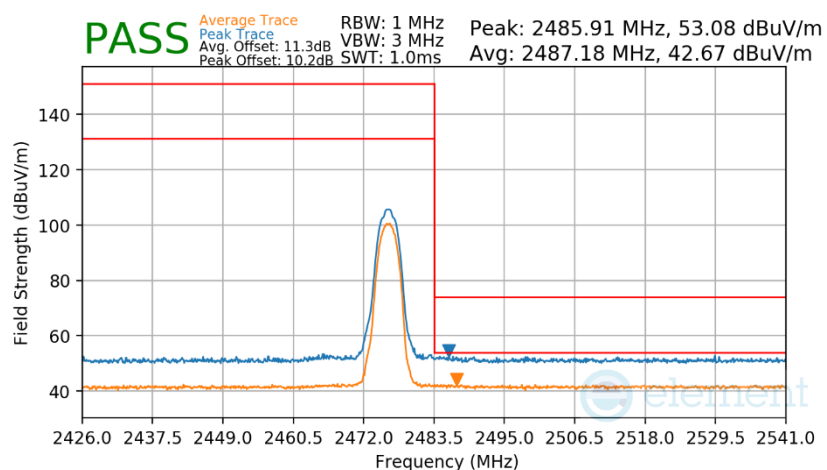
Bluetooth Mode: HDRp8
 Data Rate: 8Mbps
 Measurement Distance: 3 Meters
 Operating Frequency: 2404MHz
 Channel: 1



Plot 7-62. Radiated Restricted Lower Band Edge Measurement

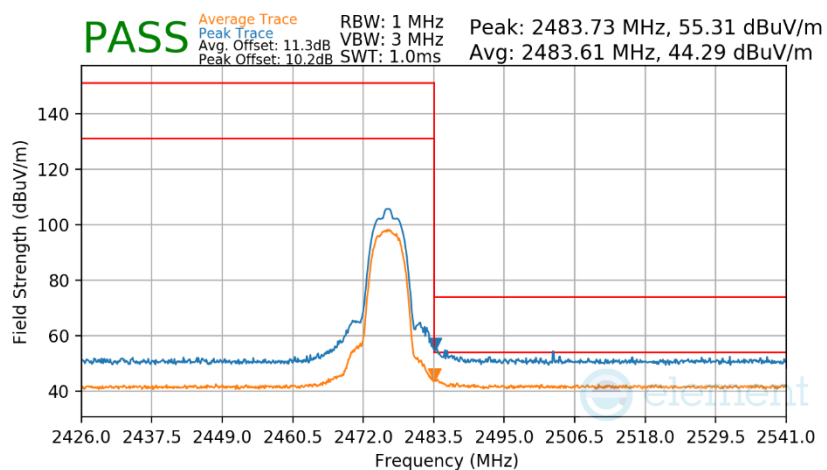
FCC ID: BCG-A3531 IC: 579C-A3531	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 6/18/2026 - 7/9/2026	EUT Type: Wireless Earbud	Approved by: Technical Manager
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Bluetooth Mode: HDR4
 Data Rate: 4Mbps
 Measurement Distance: 3 Meters
 Operating Frequency: 2476MHz
 Channel: 73



Plot 7-63. Radiated Restricted Upper Band Edge Measurement

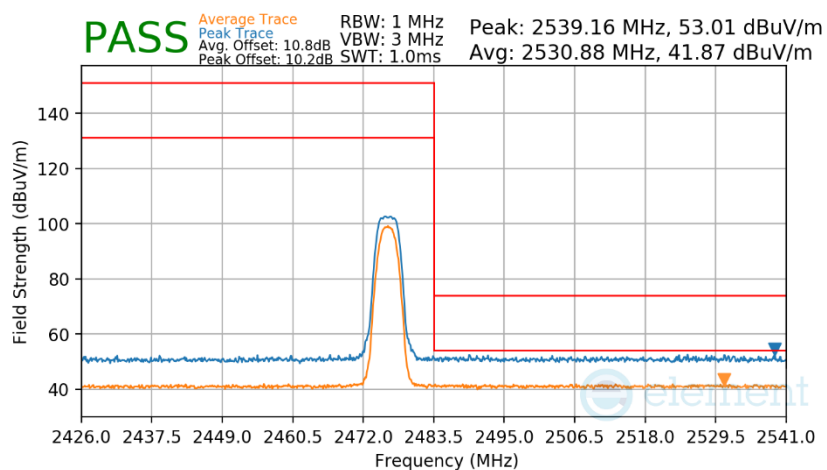
Bluetooth Mode: HDR8
 Data Rate: 8Mbps
 Measurement Distance: 3 Meters
 Operating Frequency: 2476MHz
 Channel: 73



Plot 7-64. Radiated Restricted Upper Band Edge Measurement

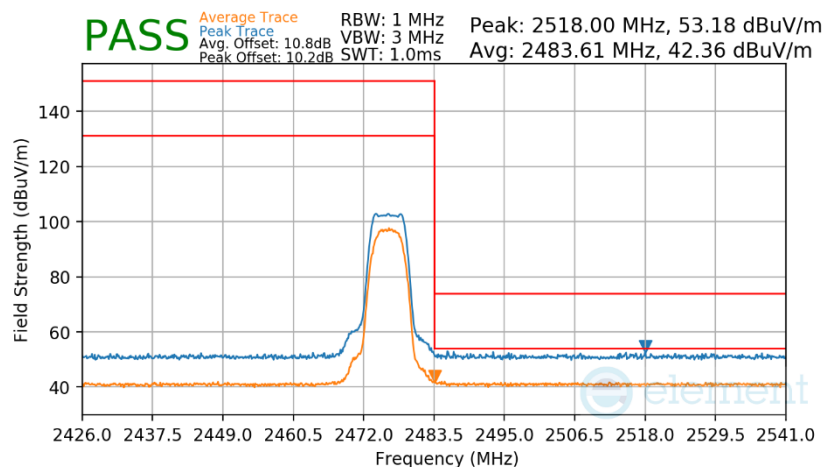
FCC ID: BCG-A3531 IC: 579C-A3531	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 6/18/2026 - 7/9/2026	EUT Type: Wireless Earbud	Approved by: Technical Manager
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Bluetooth Mode: HDRp4
 Data Rate: 4Mbps
 Measurement Distance: 3 Meters
 Operating Frequency: 2476MHz
 Channel: 73



Plot 7-65. Radiated Restricted Upper Band Edge Measurement

Bluetooth Mode: HDRp8
 Data Rate: 8Mbps
 Measurement Distance: 3 Meters
 Operating Frequency: 2476MHz
 Channel: 73



Plot 7-66. Radiated Restricted Upper Band Edge Measurement

FCC ID: BCG-A3531 IC: 579C-A3531	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 6/18/2026 - 7/9/2026	EUT Type: Wireless Earbud	Approved by: Technical Manager
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7.9 Radiated Spurious Emissions – Below 1GHz

Test Overview and Limit

All out of band radiated spurious emissions are measured with a spectrum analyzer connected to a receive antenna while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates and modes were investigated for radiated spurious emissions. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR and Table 7 of RSS-Gen (7.5) must not exceed the limits shown in Table 7-16 per Section 15.209 and RSS-Gen (7.4.3).

Frequency	Field Strength [$\mu\text{V/m}$]	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 7-16. Radiated Limits

Test Procedures Used

ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024

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

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Test Setup

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

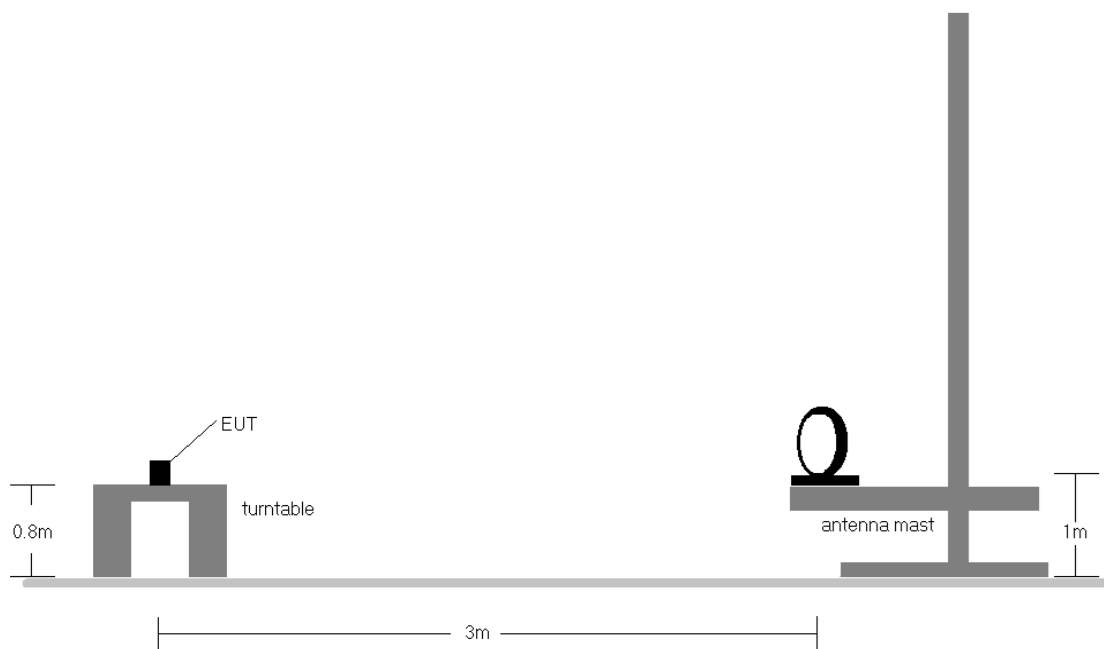


Figure 7-8. Radiated Test Setup < 30MHz

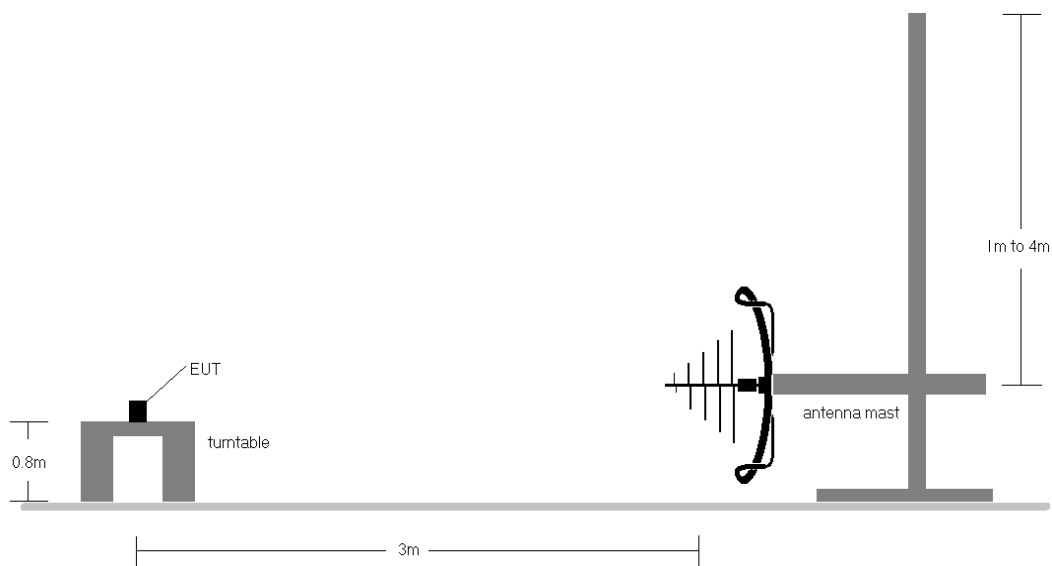


Figure 7-9. Radiated Test Setup < 1GHz

FCC ID: BCG-A3531 IC: 579C-A3531	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 6/18/2026 - 7/9/2026	EUT Type: Wireless Earbud	Approved by: Technical Manager
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Test Notes

1. All emissions lying in restricted bands specified in §15.205 and RSS-Gen (7.5) are below the limit shown in Table 7-16.
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 on emissions that were 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. Both configurations below were investigated, and the worst case has been reported.
 - a. EUT charged by charging case and powered by AC/DC adaptor with USB-C Cable
 - b. EUT charged by charging case and powered by host PC with USB-C Cable

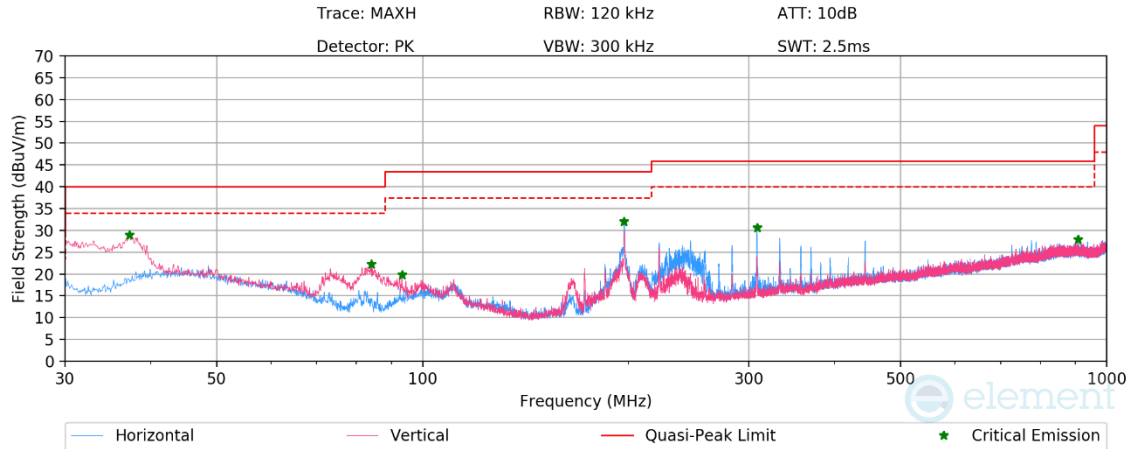
Sample Calculations

Determining Spurious Emissions Levels

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

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Radiated Spurious Emissions Measurements (Below 1GHz)



Plot 7-67. Radiated Spurious Emissions Below 1GHz (HDR4 – Ch.1 with AC/DC Adapter)

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
37.26	Max-Peak	V	100	360	-59.19	-18.84	28.98	40.00	-11.02
84.12	Max-Peak	V	100	355	-62.44	-22.32	22.23	40.00	-17.77
93.24	Max-Peak	V	100	64	-67.59	-19.60	19.81	43.50	-23.69
197.05	Max-Peak	H	100	102	-57.69	-17.32	31.98	43.50	-11.52
308.11	Max-Peak	H	100	57	-61.62	-14.77	30.61	46.00	-15.39
907.54	Max-Peak	V	100	182	-75.61	-3.51	27.88	46.00	-18.12

Table 7-17. Radiated Spurious Emissions Below 1GHz (HDR4 – Ch.1 with AC/DC Adapter)

FCC ID: BCG-A3531 IC: 579C-A3531	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 6/18/2026 - 7/9/2026	EUT Type: Wireless Earbud	Approved by: Technical Manager
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7.10 AC Line-Conducted Emissions

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. Only the conducted emissions of the configuration that produced the worst case emissions are reported in this section.

All conducted emissions must not exceed the limits shown in the table below, per Section 15.207 and RSS-Gen (7.4.2).

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 7-18. Conducted Limits

*Decreases with the logarithm of the frequency.

Test Procedures Used

ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024, 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.

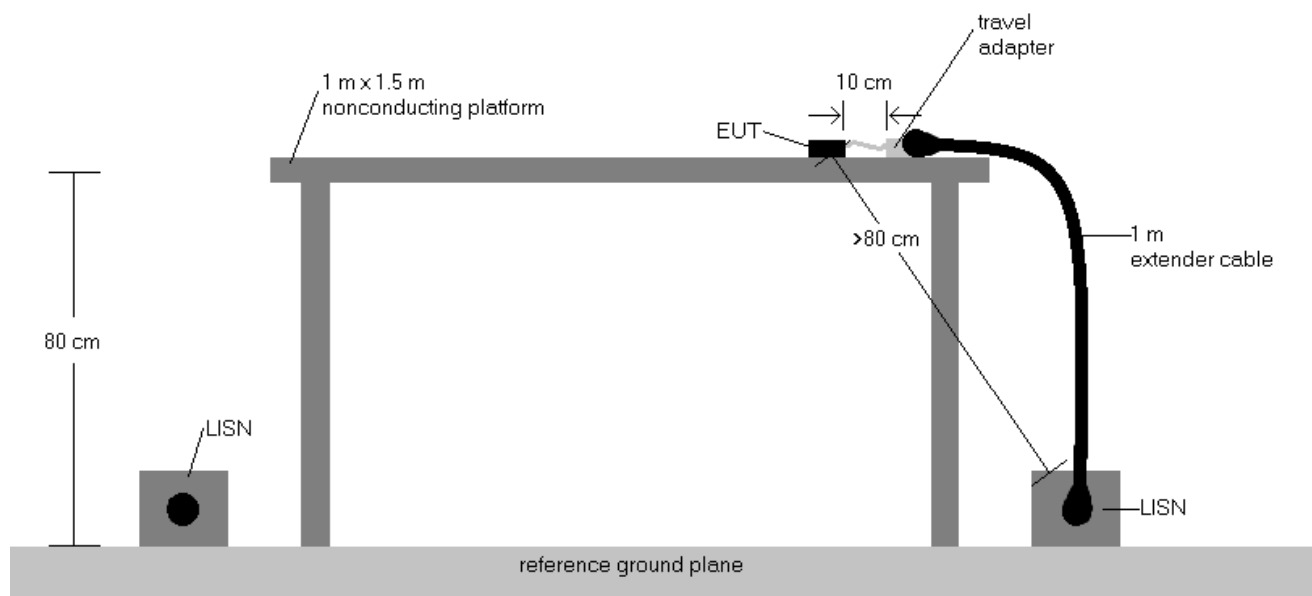
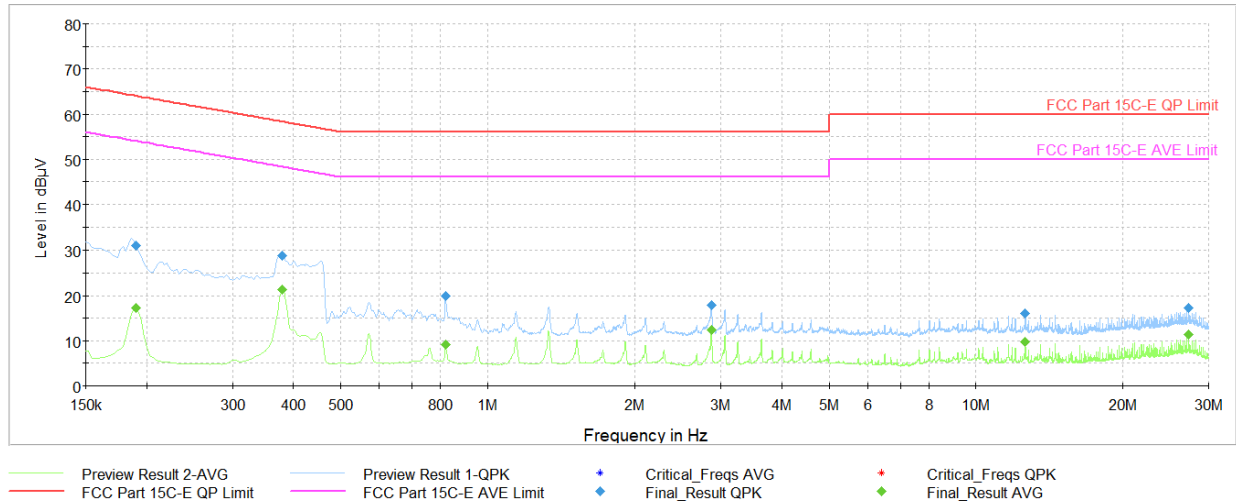


Figure 7-10. Test Instrument & Measurement Setup

Test Notes

- 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.
- Both configurations below were investigated, and the worst case has been reported.
 - EUT charged by charging case and powered by AC/DC adaptor with USB-C cable
 - EUT charged by charging case and powered by host PC with USB-C cable
- The limit for an intentional radiator from 150kHz to 30MHz are specified in Part 15.207 and RSS-Gen(7.4.2).
- $\text{Corr. (dB)} = \text{Cable loss (dB)} + \text{LISN insertion factor (dB)}$
- $\text{QP/AV Level (dB}\mu\text{V)} = \text{QP/AV Analyzer/Receiver Level (dB}\mu\text{V)} + \text{Correction Factor (dB)}$
- $\text{Margin (dB)} = \text{QP/AV Level (dB}\mu\text{V)} - \text{QP/AV Limit (dB}\mu\text{V)}$
- Traces shown in plot are made using quasi peak and average detectors.
- Deviations to the Specifications: None.

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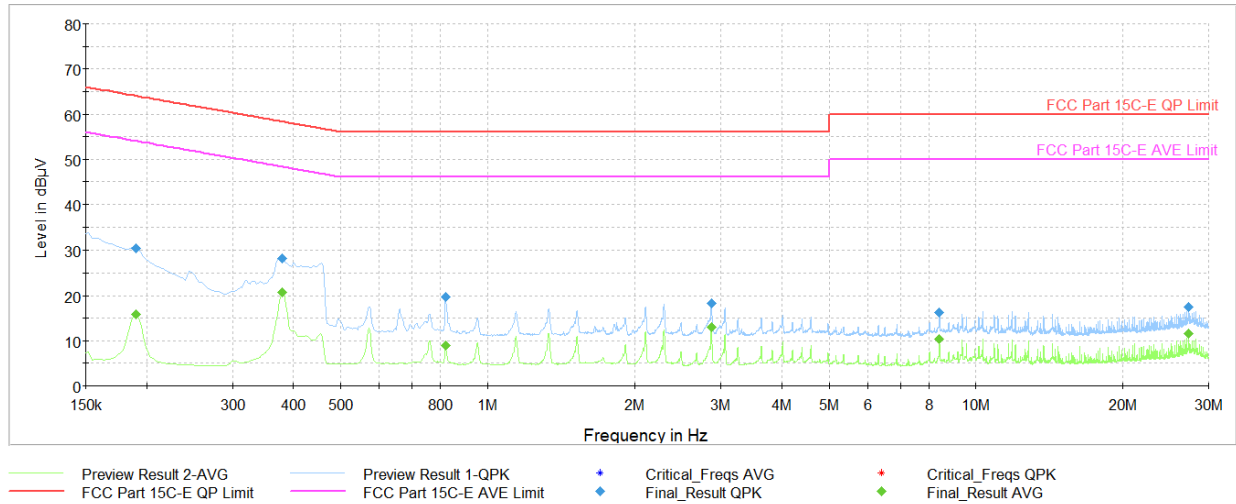


Plot 7-68. AC Line Conducted Plot with Bluetooth HDR (L1, HDR4 - Ch.1 with Laptop)

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.191	FINAL	—	17.23	54.02	-36.79	L1	GND
0.191	FINAL	31.0	—	64.02	-33.02	L1	GND
0.380	FINAL	—	21.26	48.29	-27.03	L1	GND
0.380	FINAL	28.7	—	58.29	-29.56	L1	GND
0.821	FINAL	—	9.14	46.00	-36.86	L1	GND
0.821	FINAL	19.9	—	56.00	-36.11	L1	GND
2.866	FINAL	17.9	—	56.00	-38.06	L1	GND
2.866	FINAL	—	12.39	46.00	-33.61	L1	GND
12.622	FINAL	16.1	—	60.00	-43.91	L1	GND
12.622	FINAL	—	9.74	50.00	-40.26	L1	GND
27.260	FINAL	—	11.38	50.00	-38.62	L1	GND
27.260	FINAL	17.3	—	60.00	-42.73	L1	GND

Table 7-19. AC Line Conducted Data with Bluetooth HDR (L1, HDR4 - Ch.1 with Laptop)

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Plot 7-69. AC Line Conducted Plot with Bluetooth HDR (N, HDR4 - Ch.1 with Laptop)

Frequency [MHz]	Process State	QuasiPeak [dBµV]	Average [dBµV]	Limit [dBµV]	Margin [dB]	Line	PE
0.191	FINAL	—	15.82	54.02	-38.20	N	GND
0.191	FINAL	30.4	—	64.02	-33.62	N	GND
0.380	FINAL	—	20.73	48.29	-27.56	N	GND
0.380	FINAL	28.3	—	58.29	-30.04	N	GND
0.821	FINAL	—	8.96	46.00	-37.04	N	GND
0.821	FINAL	19.8	—	56.00	-36.24	N	GND
2.866	FINAL	18.4	—	56.00	-37.65	N	GND
2.866	FINAL	—	12.92	46.00	-33.08	N	GND
8.412	FINAL	16.3	—	60.00	-43.66	N	GND
8.412	FINAL	—	10.27	50.00	-39.73	N	GND
27.260	FINAL	—	11.51	50.00	-38.49	N	GND
27.260	FINAL	17.5	—	60.00	-42.54	N	GND

Table 7-20. AC Line Conducted Data with Bluetooth HDR (N, HDR4 - Ch.1 with Laptop)

FCC ID: BCG-A3531 IC: 579C-A3531	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 6/18/2026 - 7/9/2026	EUT Type: Wireless Earbud	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: BCG-A3531 and IC: 579C-A3531** is in compliance with Part 15 Subpart C (15.247) of the FCC Rules and RSS-247 of the Innovation, Science and Economic Development Canada Rules.

FCC ID: BCG-A3531 IC: 579C-A3531	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 6/18/2026 - 7/9/2026	EUT Type: Wireless Earbud	Approved by: Technical Manager
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