

Prüfbericht-Nr.: Test report no.:	CN26NWDZ 002	Auftrags-Nr.: Order no.:	27225739	Seite 1 von 27 Page 1 of 27	
Kunden-Referenz-Nr.: Client reference no.:	N/A	Auftragsdatum: Order date:	2026-03-25		
Auftraggeber: Client:	Turtlebox Audio LLC 11020 Katy Freeway Suite 202, Houston, Texas, The United States				
Prüfgegenstand: Test item:	Bluetooth Speaker				
Bezeichnung / Typ-Nr.: Identification / Type no.:	CUB				
Auftrags-Inhalt: Order content:	Test Report				
Prüfgrundlage: Test specification:	CFR Title 47 FCC Part 15: Subpart C Section 15.247 RSS-247 Issue 4 July 2025 RSS-Gen Issue 5 February 2021				
Wareneingangsdatum: Date of sample receipt:	2026-03-24	Please refer to photo documents			
Prüfmuster-Nr.: Test sample no:	A004231951-001~002 A004263143-001~003				
Prüfzeitraum: Testing period:	2026-03-25 - 2026-05-29				
Ort der Prüfung: Place of testing:	TÜV Rheinland (Shenzhen) Co., Ltd.				
Prüflaboratorium: Testing laboratory:	TÜV Rheinland (Shenzhen) Co., Ltd.				
Prüfergebnis*: Test result*:	Pass				
geprüft von: tested by:			genehmigt von: authorized by:		
Datum: Date:	2026-06-02	Signed by: Jonathan Li		Ausstellungsdatum: Issue date:	2026-06-02
Stellung / Position:	Sachverständige(r)/Expert		Stellung / Position:	Sachverständige(r)/Expert	
Sonstiges / Other:	FCC ID: 2A28W-TBCUB IC: 27733-TBCUB HVIN: TBCUB				
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:	Prüfmuster vollständig und unbeschädigt Test item complete and undamaged				
* Legende: P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet * Legend: P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested					
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Anmerkungen
Remarks

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4	Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnissen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2023, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird. Zu weiteren Informationen bezüglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019. <i>The decision rule for statements of conformity, based on numerical measurement results, in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2023, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report. For additional information to the resulting risk based of this decision rule please refer to ILAC G8:2019.</i>

Test Summary

5.1.1 ANTENNA REQUIREMENT

RESULT: Pass

5.1.2 MAXIMUM PEAK CONDUCTED OUTPUT POWER

RESULT: Pass

5.1.3 CONDUCTED POWER SPECTRAL DENSITY

RESULT: Pass

5.1.4 6dB BANDWIDTH

RESULT: Pass

5.1.5 99% BANDWIDTH

RESULT: Pass

5.1.6 20dB BANDWIDTH

RESULT: Pass

5.1.7 CARRIER FREQUENCY SEPARATION

RESULT: Pass

5.1.8 NUMBER OF HOPPING FREQUENCY

RESULT: Pass

5.1.9 TIME OF OCCUPANCY

RESULT: Pass

5.1.10 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 KHz BANDWIDTH

RESULT: Pass

5.1.11 RADIATED SPURIOUS EMISSION

RESULT: Pass

5.1.12 CONDUCTED EMISSION ON AC MAINS

RESULT: Pass

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1 General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix A: Test Results of Bluetooth BR & EDR

Appendix B: Test Results of Bluetooth LE

Appendix C: Photographs of the Test Set-up

2 Test Sites

2.1 Test Facilities

TÜV Rheinland (Shenzhen) Co., Ltd.

2-3F, 101 & 102, No.2, Nuclear Power Industrial Park, Fuming Community, Fucheng Street, Longhua District, Shenzhen 518000, People's Republic of China

FCC Accreditation Designation No.: 694916

ISED wireless device testing laboratory: 25069

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Radio Spectrum Testing (SRD-Tonscend 2)					
Equipment	Manufacturer	Model	Serial No.	Cal. Date	Cal. until
Wireless Connectivity Tester	R&S	CMW270	101375	2025-09-23	2026-09-22
Signal Analyzer	R&S	FSV 40	101441	2025-09-23	2026-09-22
Vector Signal Generator	R&S	SMBV100A	263301	2025-10-30	2026-10-29
Signal Generator	R&S	SMB100A	115186	2025-09-23	2026-09-22
Automation Control Unit	Tonscend	JS0806-2	21C8060396	2025-09-23	2026-09-22
Control PC	Lenovo	1HH43Q4	F807B09DD5F1	N/A	N/A
Test Software	Tonscend	JS1120-3	N/A	N/A	N/A
Power Meter	R&S	NRP2	107105	2025-10-30	2026-10-29
Power Sensor	R&S	NRP-Z81	105677	2025-09-23	2026-09-22
Shielding Room	Albatross	SR1	APC17151-SR1	2024-09-14	2027-09-13
Unwanted Emission Testing (TS9975)					
Equipment	Manufacturer	Model	Serial No.	Cal. Date	Cal. until
EMI Test Receiver	R&S	ESR 7	102021	2025-09-22	2026-09-21
Signal Analyzer	R&S	FSV 40	101439	2025-09-22	2026-09-21
System Controller Interface	R&S	SCI-100	S10010038	N/A	N/A
Filterbank	R&S	Wlan	100759	2025-09-22	2026-09-21
OSP	R&S	OSP 120	102040	N/A	N/A
Pre-amplifier	R&S	SCU08F1	08320031	2025-09-22	2026-09-21
Amplifier	R&S	SCU-18F	180070	2025-09-22	2026-09-21
Amplifier	R&S	SCU40A	100475	2025-09-22	2026-09-21
Trilog Broadband Antenna (30 MHz - 7 GHz)	Schwarzbeck	VULB 9162	193	2024-09-28	2026-09-27
Double-Ridged Antenna (1-18 GHz)	ETS-LINDGREN	3117	00218717	2024-09-28	2026-09-27
Wideband Ridged Horn Antenna(18-40 GHz)	Steatite	QMS-00880	19067	2024-09-28	2026-09-27
Active Loop Antenna	Schwarzbeck	FMZB 1513	302	2024-09-28	2026-09-27
Test software	R&S	EMC32 (V10.60.10)	N/A	N/A	N/A
Control PC	Dell	OptiPlex 7050	36NV9P2	N/A	N/A
3m Semi-Anechoic Chamber	Albatross	SAC-3m	APC17151-SAC	2024-09-14	2027-09-13

Conducted Emission				
Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
EMI Test Receiver	R&S	ESR3	102680	2027-02-03
Artificial Mains Network	R&S	ENV216	102333	2026-07-18
Artificial Mains Network	R&S	ENV216	101445	2027-02-03
EMC32 Test Software	R&S	EMC32(Ver.10.60.20)	N/A	N/A

2.3 Traceability

All measurement equipment calibrations are traceable to NIM (National Institute of Metrology) or where calibration is performed in other countries, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

2.5 Measurement Uncertainty

The estimated combined standard uncertainty for radiated emissions and conducted emissions measurements as below table.

Table 2: Measurement Uncertainty

Parameter	Uncertainty
RF output power, conducted	± 0.99 dB
Occupied Channel Bandwidth	± 2.08 %
RF power density, conducted	± 0.99 dB
Unwanted Emissions, conducted	± 0.89 dB
All emissions, radiated	± 4.17 dB
Conducted Emission, (9kHz to 150kHz)/(150kHz to 30MHz)	± 3.24 dB / ± 3.24 dB

2.6 Location of Original Data

The original copies of all test data taken during actual testing were attached at Appendix A & B & C of this report and delivered to the applicant. A copy has been retained in the TÜV Rheinland (Shenzhen) Co., Ltd. file for certification follow-up purposes.

2.7 Status of Facility Used for Testing

The TÜV Rheinland (Shenzhen) Co., Ltd. Test facility located at 2-3F, 101 & 102, No.2, Nuclear Power Industrial Park, Fuming Community, Fucheng Street, Longhua District, Shenzhen 518000, People's Republic of China is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

3 General Product Information

3.1 Product Function and Intended Use

The product is a Bluetooth Speaker, which supports Bluetooth wireless technology.
There are two type antennas as below for this product:

	Model	SN	Antenna type	Antenna Gain
ANT1	A332_BT300-2.4G_A2	SX-300-1908	FPC	6.21dBi
Alternative ANT2	A332_BT300-2.4G_A2	F1614A-1D11B-135-A	FPC	4.26dBi

ANT1 and ANT2 have the same model's name from different manufacturers.

For details refer to the User Manual, Technical Description and Circuit Diagram.

3.2 Ratings and System Details

Table 3: Technical Specification of EUT

General Information of EUT	Value
Kind of Equipment:	Bluetooth Speaker
Type Designation:	CUB
FCC ID:	2A28W-TBCUB
IC:	27733-TBCUB
HVIN:	TBCUB
Operating Voltage:	Battery operated (11.1Vdc, 3 pcs 21700 Li-ion cells) or USB port (Adapter input 120Vac, 60Hz)
Testing Voltage:	Fully charged battery or AC 120V, 60Hz
Power adapter:	Model: GS-PD045EX Input: 100-240V, 50/60Hz, 1.A Output: 5V~3A/ 9V~3A/ 12V~3A/ 15V~3A/ 20V~2.25A Manufacturer: Shenzhen YMY Technology Co., Ltd
Technical Specification of Bluetooth (dual mode)	
Operating Frequency:	2402 MHz to 2480 MHz
Type of Modulation:	GFSK, $\pi/4$ -DQPSK, 8DPSK
Channel Number:	BR & EDR mode:79 channels, Low Energy mode:40 channels
Channel Separation:	BR & EDR mode:1MHz, Low Energy mode:2MHz
Data Rate:	BR & EDR mode: 1Mbps, 2Mbps, 3Mbps Low Energy mode: 1Mbps, 2Mbps
Antenna Type:	FPC Antenna
Antenna Number:	1 (Note: Full test ANT1 and partial test RSE item for ANT2.)
Antenna Gain:	ANT1: 6.21 dBi Max, or ANT2: 4.26dBi Max. (Provided by the Client)

Note: The correctness of all data provided by customer in the test report is ensured and responsible of the customer. Any misjudgment of the test results caused by the use of incorrect data provided by customer shall be borne by the customer.

Table 4: RF Channel and Frequency of Bluetooth BR & EDR

RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)
0	2402.00	20	2422.00	40	2442.00	60	2462.00
1	2403.00	21	2423.00	41	2443.00	61	2463.00
2	2404.00	22	2424.00	42	2444.00	62	2464.00
3	2405.00	23	2425.00	43	2445.00	63	2465.00
4	2406.00	24	2426.00	44	2446.00	64	2466.00
5	2407.00	25	2427.00	45	2447.00	65	2467.00
6	2408.00	26	2428.00	46	2448.00	66	2468.00
7	2409.00	27	2429.00	47	2449.00	67	2469.00
8	2410.00	28	2430.00	48	2450.00	68	2470.00
9	2411.00	29	2431.00	49	2451.00	69	2471.00
10	2412.00	30	2432.00	50	2452.00	70	2472.00
11	2413.00	31	2433.00	51	2453.00	71	2473.00
12	2414.00	32	2434.00	52	2454.00	72	2474.00
13	2415.00	33	2435.00	53	2455.00	73	2475.00
14	2416.00	34	2436.00	54	2456.00	74	2476.00
15	2417.00	35	2437.00	55	2457.00	75	2477.00
16	2418.00	36	2438.00	56	2458.00	76	2478.00
17	2419.00	37	2439.00	57	2459.00	77	2479.00
18	2420.00	38	2440.00	58	2460.00	78	2480.00
19	2421.00	39	2441.00	59	2461.00		

Test frequencies are lowest channel: 2402 MHz, middle channel: 2441 MHz and highest channel: 2480 MHz for Bluetooth BR & EDR

Table 5: RF Channel and Frequency of Bluetooth LE

RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)
0	2402	10	2422	20	2442	30	2462
1	2404	11	2424	21	2444	31	2464
2	2406	12	2426	22	2446	32	2466
3	2408	13	2428	23	2448	33	2468
4	2410	14	2430	24	2450	34	2470
5	2412	15	2432	25	2452	35	2472
6	2414	16	2434	26	2454	36	2474
7	2416	17	2436	27	2456	37	2476
8	2418	18	2438	28	2458	38	2478
9	2420	19	2440	29	2460	39	2480

Test frequencies are lowest channel: 2402 MHz, middle channel: 2440 MHz and highest channel: 2480 MHz for Bluetooth LE.

3.3 Independent Operation Modes

The basic operation modes are:

- A. On, Bluetooth transmitting mode (BR & EDR mode)
 - 1) Low Channel
 - 2) Middle Channel
 - 3) High Channel
- B. On, Bluetooth transmitting mode (Bluetooth LE mode)
 - 1) Low Channel
 - 2) Middle Channel
 - 3) High Channel
- C. On, Transmitting on Hopping channel
- D. On, Charging + BT Link
- E. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

3.5 Submitted Documents

- | | |
|-------------------------|----------------------------------|
| - Application Form | - User Manual |
| - Operation Description | - FCC/IC Label and Location Info |

4 Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

Radio Spectrum: The equipment under test (EUT) was configured at its highest power output in order to measure its highest possible radiation and conducted level. The test modes were adapted accordingly in reference to the instructions for use.

Emission: The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5. All tests were performed according to the procedures in ANSI C63.10:2020, ANSI C63.10:2020+Cor. 1:2023+ C63.10a:2024.

According to clause 3.1, all tests were performed on model *CUB* in this report. Radiated spurious emissions were tested on ANT1 and alternative ANT2.

4.3 Special Accessories and Auxiliary Equipment

Table 6: List of Accessories and Auxiliary Equipment

Description	Manufacturer	Model	Remark
Mobile phone	HUAWEI	STK-AL00	7PRNW20721000279
Laptop	Lenovo	T480	PF-16A6N8

4.4 Countermeasures to Achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Technical Construction File (TCF).

No additional measures were employed to achieve compliance.

4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test (Below 1GHz)

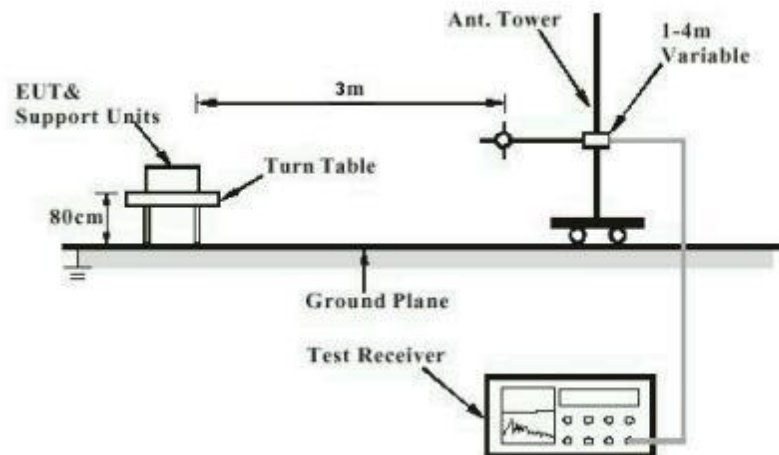


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

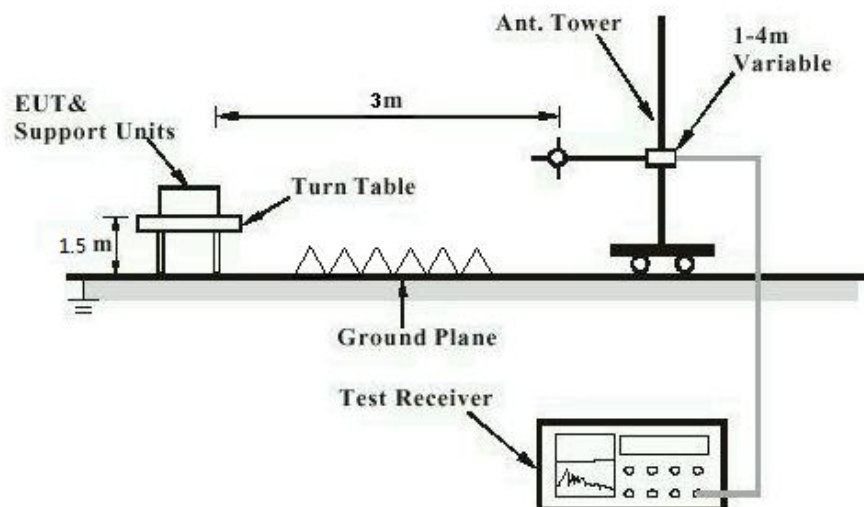


Diagram of Measurement Configuration for Mains Conduction Measurement

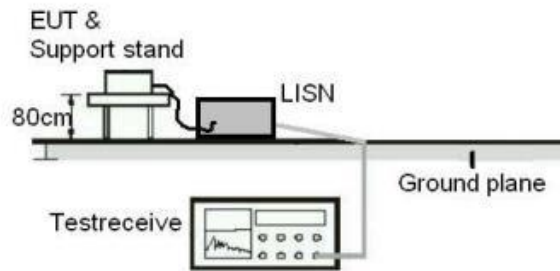
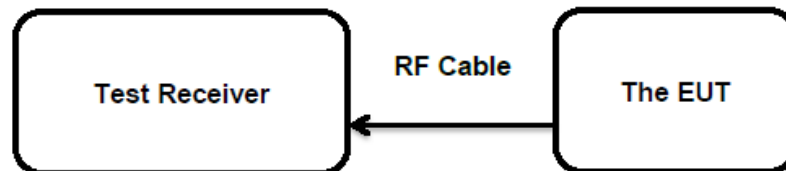


Diagram of Measurement Configuration for Conducted Transmitter Measurement



5 Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT:

Pass

Test Specification

Test standard : FCC Part 15.247(b)(4) and Part 15.203
RSS-Gen Clause 6.8

According to the manufacturer declared, the EUT has FPC Antennas, permanent attachment and no consideration of replacement, refer to section 3.2 for details.

Therefore, the EUT is considered sufficient to comply with the provision.

Refer to EUT Photo for further details.

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5.1.2 Maximum Peak Conducted Output Power

RESULT:

Pass

Test Specification

Test standard	: FCC Part 15.247(b)(1)&(3) RSS-247 Clause 6.2.3.2 & RSS-247 Clause 6.3.2
Basic standard	: ANSI C63.10:2020, ANSI C63.10:2020+Cor. 1:2023+ C63.10a:2024
Limits	: FCC: FHSS < 0.125 Watts, DSSS < 1.0 Watts IC: FHSS < 1.0 Watts, DSSS < 1.0 Watts
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2026-05-18 to 2026-05-19
Input voltage	: Fully charged battery
Operation mode	: A, B
Test channel	: Low / Middle / High
Ambient temperature	: 24.3 °C
Relative humidity	: 51 %
Atmospheric pressure	: 101 kPa

For details refer to following test result.

Table 7: Test Result of Maximum Peak Conducted Output Power, BR & EDR

Test Mode	Test Channel (MHz)	Measured Peak Power		Limit (W)
		(dBm)	(W)	
GFSK (BR)	2402.0	4.46	0.0028	< 0.125
	2441.0	5.01	0.0032	
	2480.0	2.22	0.0017	
8DPSK (EDR)	2402.0	5.27	0.0034	
	2441.0	6.00	0.0040	
	2480.0	3.13	0.0021	
Maximum Measured Value		6.00	0.0040	

Max. e.i.r.p.=6.00dBm+6.21dBi=12.21dBm, which is less than 36dBm=4W.

Table 8: Test Result of Maximum Peak Conducted Output Power, Bluetooth LE

Test Mode	Data Rate	Test Channel (MHz)	Measured Peak Power		Limit (W)
			(dBm)	(W)	
Bluetooth LE	1 Mbps	2402	4.17	0.0026	< 1.0
		2440	4.96	0.0031	
		2480	1.98	0.0016	
	2 Mbps	2402	4.22	0.0026	
		2440	5.09	0.0032	
		2480	2.06	0.0016	
Max. Measured Value			5.09	0.0032	

Max. e.i.r.p.=5.09dBm+6.21dBi=11.30dBm, which is less than 36dBm=4W.

Note:

- 1) The cable loss is taken into account in results.
- 2) e.i.r.p.= $P_{(\text{Peak power})} + G$, which is far below the 4 W

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5.1.3 Conducted Power Spectral Density

RESULT:

Pass

Test Specification

Test standard	: FCC Part 15.247(e) RSS-247 Clause 6.3.1
Basic standard	: ANSI C63.10:2020, ANSI C63.10:2020+Cor. 1:2023+ C63.10a:2024
Limits	: < 8 dBm / 3kHz
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2026-05-18 to 2026-05-19
Input voltage	: Fully charged battery
Operation mode	: B
Test channel	: Low / Middle / High
Ambient temperature	: 24.3 °C
Relative humidity	: 51 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix B.

5.1.4 6dB Bandwidth

RESULT:**Pass****Test Specification**

Test standard	: FCC Part 15.247(a)(2) RSS-247 Clause 6.3.1
Basic standard	: ANSI C63.10:2020, ANSI C63.10:2020+Cor. 1:2023+ C63.10a:2024
Limits	: > 500 kHz
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2026-05-18 to 2026-05-19
Input voltage	: Fully charged battery
Operation mode	: B
Test channel	: Low / Middle / High
Ambient temperature	: 24.3 °C
Relative humidity	: 51 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix B.

5.1.5 99% Bandwidth

RESULT:**Pass****Test Specification**

Test standard	: FCC Part 15.247(a) RSS-Gen Clause 6.7
Basic standard	: ANSI C63.10:2020, ANSI C63.10:2020+Cor. 1:2023+ C63.10a:2024
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2026-05-18 to 2026-05-19
Input voltage	: Fully charged battery
Operation mode	: A, B
Test channel	: Low / Middle / High
Ambient temperature	: 24.3 °C
Relative humidity	: 51 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix A, B.

Prüfbericht - Nr.: CN26NWDZ 002
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5.1.6 20dB Bandwidth

RESULT:

Pass

Test Specification

Test standard	: FCC Part 15.247(a)(1) RSS-247 Clause 6.2.3.1
Basic standard	: ANSI C63.10:2020, ANSI C63.10:2020+Cor. 1:2023+ C63.10a:2024
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2026-05-18 to 2026-05-19
Input voltage	: Fully charged battery
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: 24.3 °C
Relative humidity	: 51 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix A.

5.1.7 Carrier Frequency Separation

RESULT:

Pass

Test Specification

Test standard	: FCC Part 15.247(a)(1) RSS-247 Clause 6.2.3.1
Basic standard	: ANSI C63.10:2020, ANSI C63.10:2020+Cor. 1:2023+ C63.10a:2024
Limits	: $\geq 25\text{kHz}$ or 2/3 of 20dB bandwidth, whichever is greater
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2026-05-18 to 2026-05-19
Input voltage	: Fully charged battery
Operation mode	: C
Ambient temperature	: 24.3 °C
Relative humidity	: 51 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix A.

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5.1.8 Number of Hopping Frequency

RESULT:**Pass****Test Specification**

Test standard	: FCC part 15.247(a)(1)(iii) RSS-247 Clause 6.2.3.1
Basic standard	: ANSI C63.10:2020, ANSI C63.10:2020+Cor. 1:2023+ C63.10a:2024
Limits	: ≥ 15 non-overlapping channels
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2026-05-18 to 2026-05-19
Input voltage	: Fully charged battery
Operation mode	: C
Ambient temperature	: 24.3 °C
Relative humidity	: 51 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix A.

5.1.9 Time of Occupancy

RESULT:**Pass****Test Specification**

Test standard	: FCC part 15.247(a)(1)(iii) RSS-247 Clause 6.2.3.1
Basic standard	: ANSI C63.10:2020, ANSI C63.10:2020+Cor. 1:2023+ C63.10a:2024
Limits	: < 0.4s
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2026-05-18 to 2026-05-19
Input voltage	: Fully charged battery
Operation mode	: C
Ambient temperature	: 24.3 °C
Relative humidity	: 51 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix A.

5.1.10 Conducted Spurious Emissions Measured in 100 kHz Bandwidth

RESULT:**Pass****Test Specification**

Test standard	: FCC Part 15.247(d) RSS-247 Clause 6.6
Basic standard	: ANSI C63.10:2020, ANSI C63.10:2020+Cor. 1:2023+ C63.10a:2024
Limits	: 20dB (below that in the 100kHz bandwidth within the band that contains the highest level of the desired power); In addition, radiated emissions which fall in the restricted bands, must also comply with the radiated emission limits specified in 15.209(a)
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2026-05-18 to 2026-05-19
Input voltage	: Fully charged battery
Operation mode	: A, B, C
Test channel	: Low / Middle / High
Ambient temperature	: 24.3 °C
Relative humidity	: 51 %
Atmospheric pressure	: 101 kPa

Test results of 100kHz Bandwidth of Frequency Band Edge by Conducted method refer to test plots, and compliance is achieved as well.

For the measurement records, refer to the appendix A, B.

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5.1.11 Radiated Spurious Emission

RESULT:**Pass****Test Specification**

Test standard	: FCC Part 15.247(d) & FCC Part 15.205 RSS-247 Clause 2.4
Basic standard	: ANSI C63.10:2020, ANSI C63.10:2020+Cor. 1:2023+ C63.10a:2024
Limits	: Refer to 15.209(a) of FCC part 15.247(d) RSS-Gen Section 8.9 & 8.10
Kind of test site	: 3m Semi-anechoic Chamber

Test Setup

Date of testing	: 2026-05-12 to 2026-05-29
Input voltage	: Fully charged battery
Operation mode	: A, B
Test channel	: Low / Middle / High
Ambient temperature	: Refer to test result
Relative humidity	: Refer to test result
Atmospheric pressure	: 101 kPa

Remark:

Testing was carried out within frequency range 9kHz to the tenth harmonics. Only the worst case spurious emissions configuration of the each mode were reported.

For the measurement records, refer to the appendix A, B.

Prüfbericht - Nr.: CN26NWDZ 002
Test Report No.:Seite 26 von 27
Page 26 of 27**5.1.12 Conducted Emission on AC Mains****RESULT:****Pass****Test Specification**

Test standard	: FCC Part 15.207(a) RSS-Gen Section 8.8
Basic standard	: ANSI C63.10:2020, ANSI C63.10:2020+Cor. 1:2023+ C63.10a:2024
Frequency range	: 0.15 – 30MHz
Classification	: Class B
Limits	: FCC Part 15.207(a) RSS-Gen Table 4
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2026-03-25
Input voltage	: AC 120V, 60Hz
Operation mode	: D
Ambient temperature	: Refer to test result
Relative humidity	: Refer to test result
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix A.

6 Photographs of the Test Set-Up

For photographs of the test set-up, refer to the appendix C.

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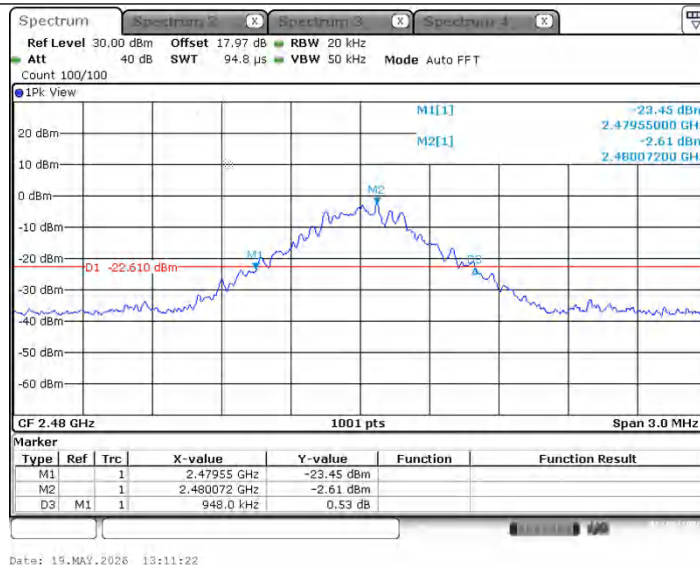
Appendix A.1: Test Results of 20dB Bandwidth

Test Result

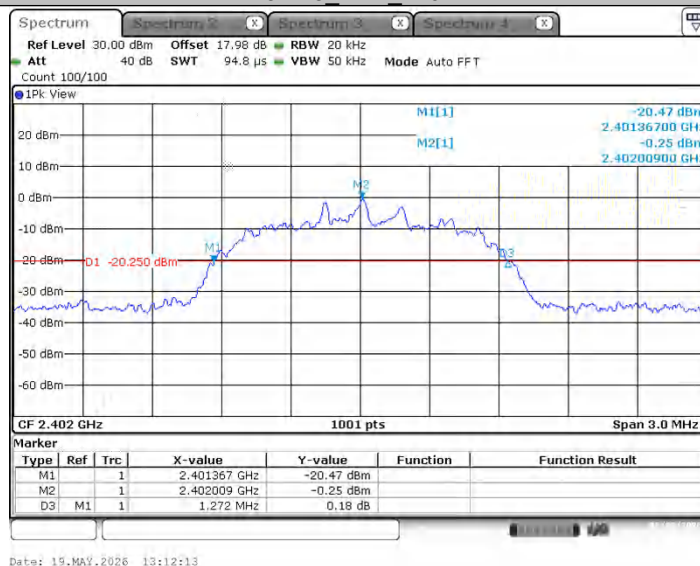
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.95	2401.55	2402.50	---	PASS
		2441	0.94	2440.55	2441.49	---	PASS
		2480	0.95	2479.55	2480.50	---	PASS
3DH5	Ant1	2402	1.27	2401.37	2402.64	---	PASS
		2441	1.27	2440.37	2441.64	---	PASS
		2480	1.29	2479.37	2480.66	---	PASS

Test Graphs

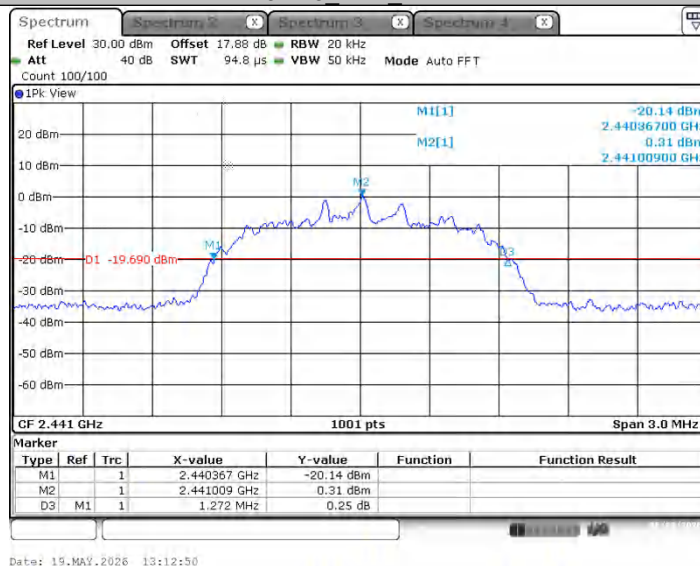




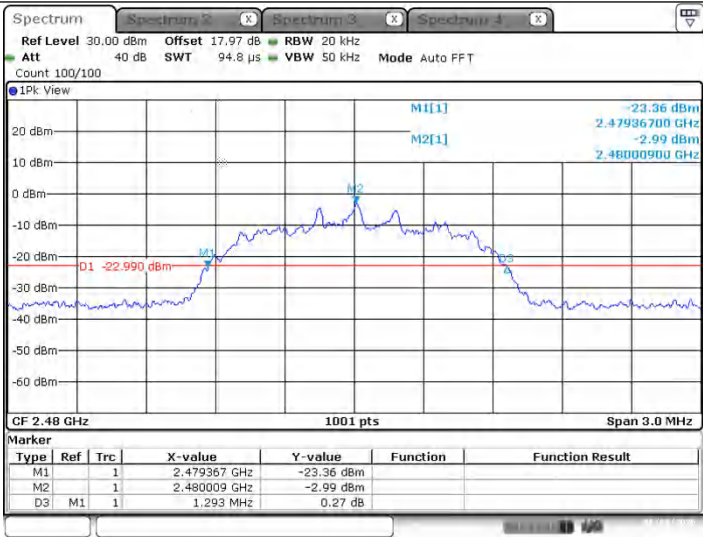
3DH5 Ant1_2402



3DH5 Ant1_2441



3DH5 Ant1_2480



Date: 15.MAY.2026 13:13:48

Appendix A.2: Test Results of 99% Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.92008	2401.5534	2402.4735	---	PASS
		2441	0.91409	2440.5564	2441.4705	---	PASS
		2480	0.95904	2479.5325	2480.4915	---	PASS
3DH5	Ant1	2402	1.2168	2401.4006	2402.6174	---	PASS
		2441	1.2138	2440.4036	2441.6174	---	PASS
		2480	1.2408	2479.3916	2480.6324	---	PASS

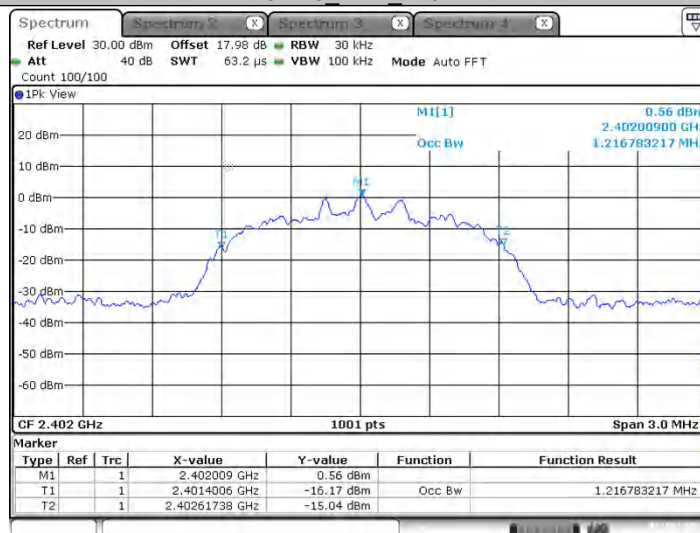
Test Graphs





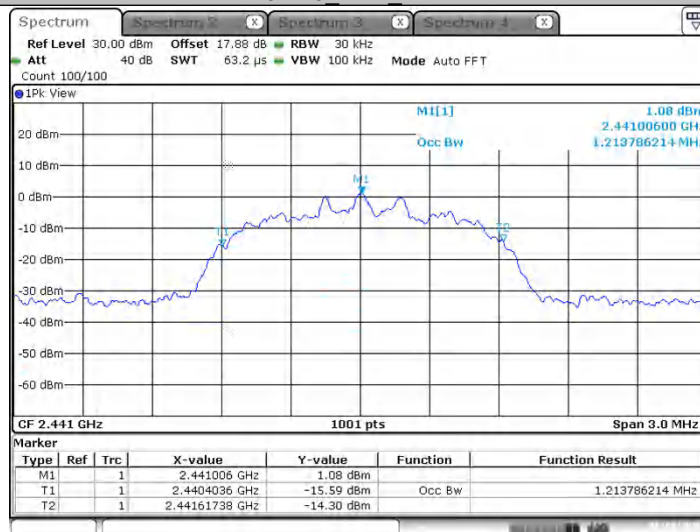
Date: 19.MAY.2026 13:11:29

3DH5 Ant1_2402



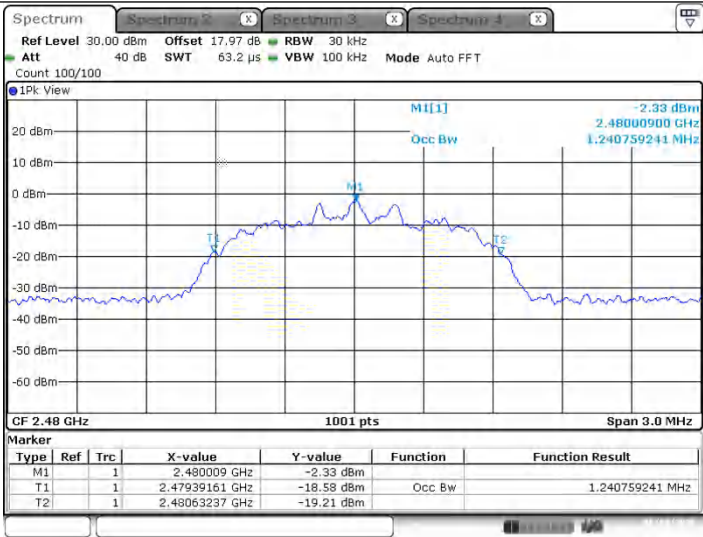
Date: 19.MAY.2026 13:12:20

3DH5 Ant1_2441



Date: 19.MAY.2026 13:12:57

3DH5 Ant1_2480



Date: 15.MAY.2026 13:13:55

Appendix A.3: Test Results of Carrier Frequency Separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.009	≥ 0.950	PASS
3DH5	Ant1	Hop	1.145	≥ 0.860	PASS

Test Graphs

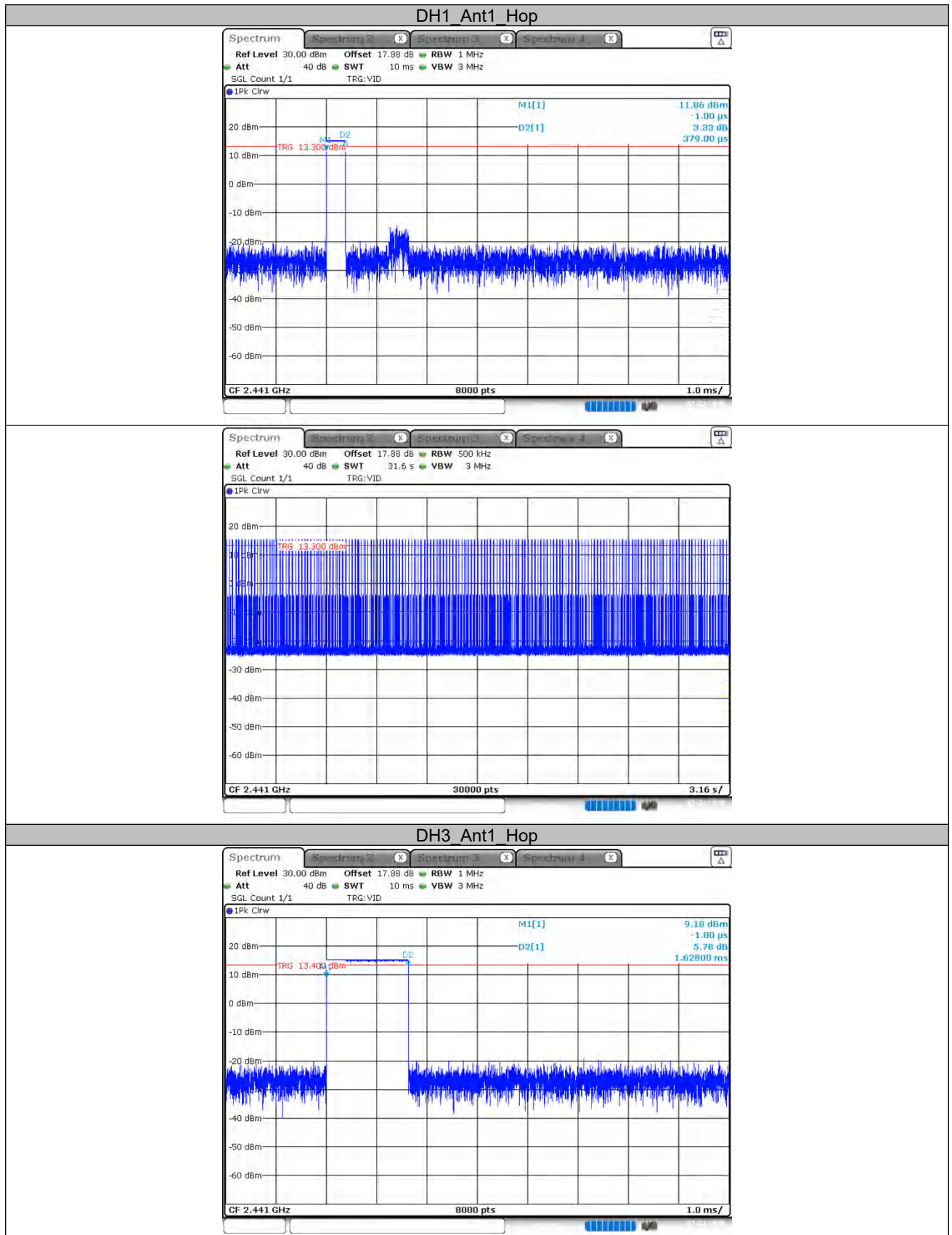


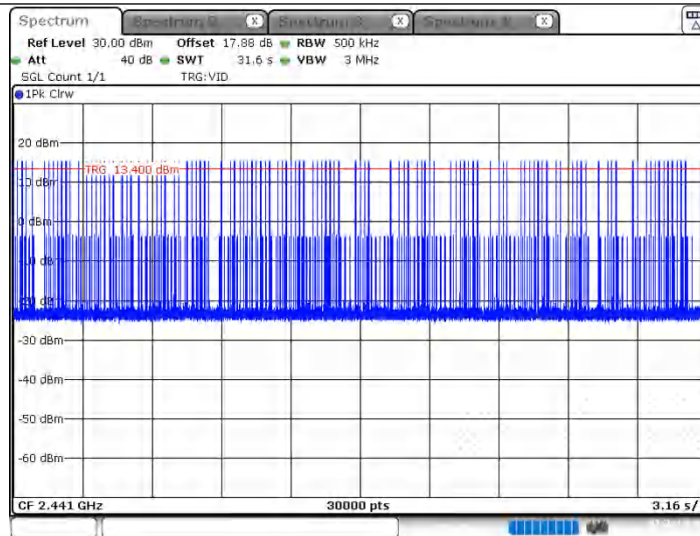
Appendix A.4: Test Results of Time of Occupancy

Test Result

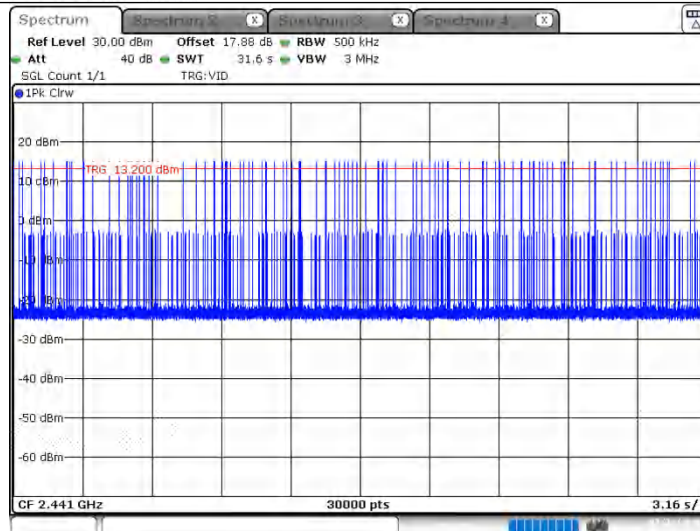
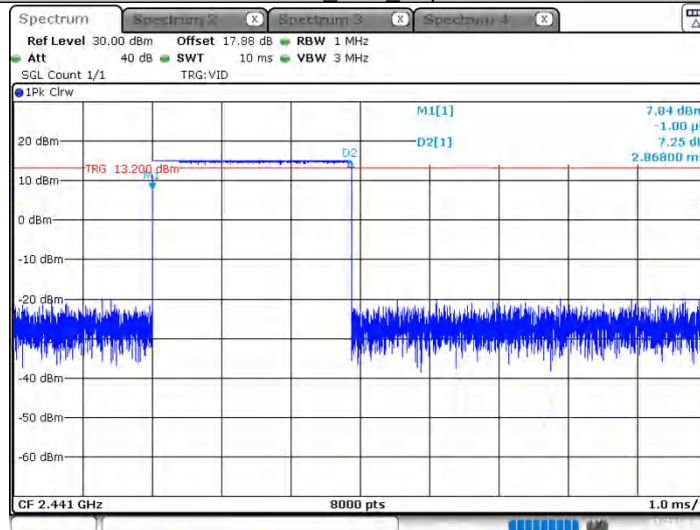
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.379	320	0.121	≤0.4	PASS
DH3	Ant1	Hop	1.628	155	0.252	≤0.4	PASS
DH5	Ant1	Hop	2.868	110	0.315	≤0.4	PASS
3DH1	Ant1	Hop	0.388	318	0.123	≤0.4	PASS
3DH3	Ant1	Hop	1.631	165	0.269	≤0.4	PASS
3DH5	Ant1	Hop	2.874	102	0.293	≤0.4	PASS

Test Graphs

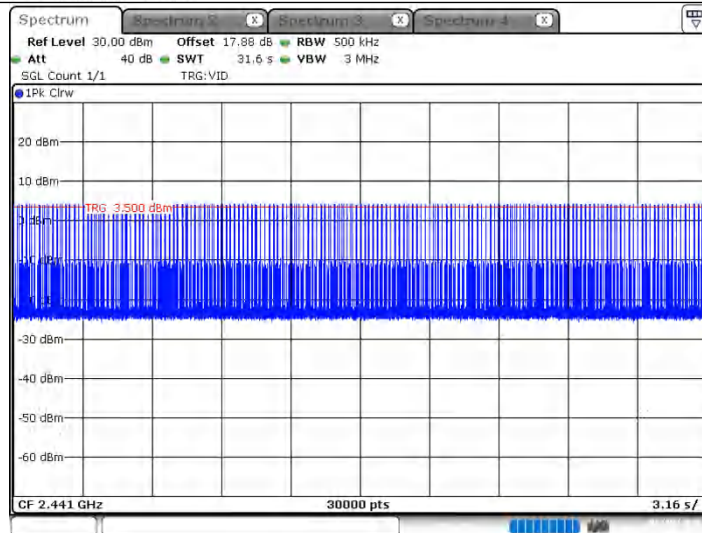
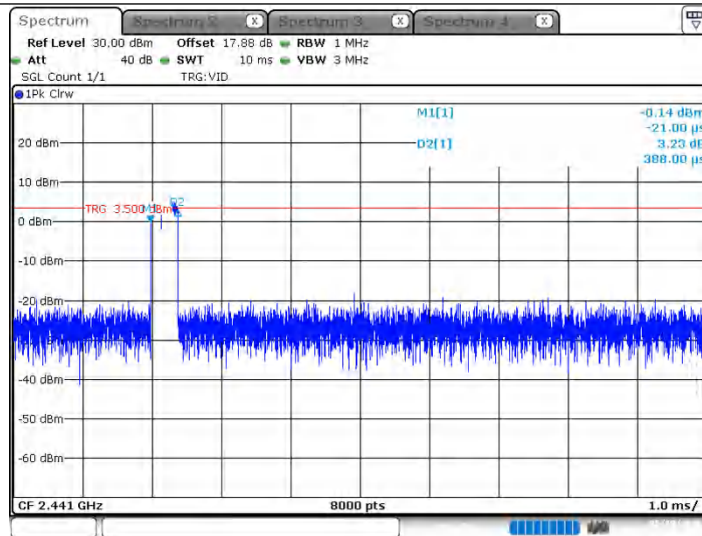




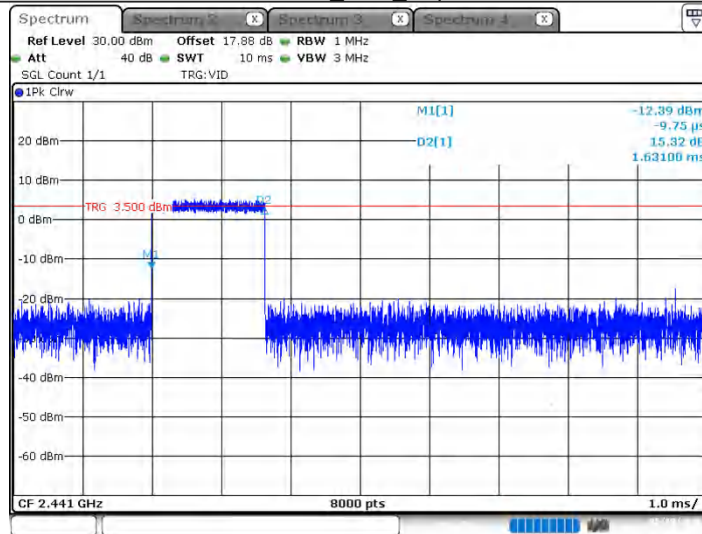
DH5_Ant1_Hop

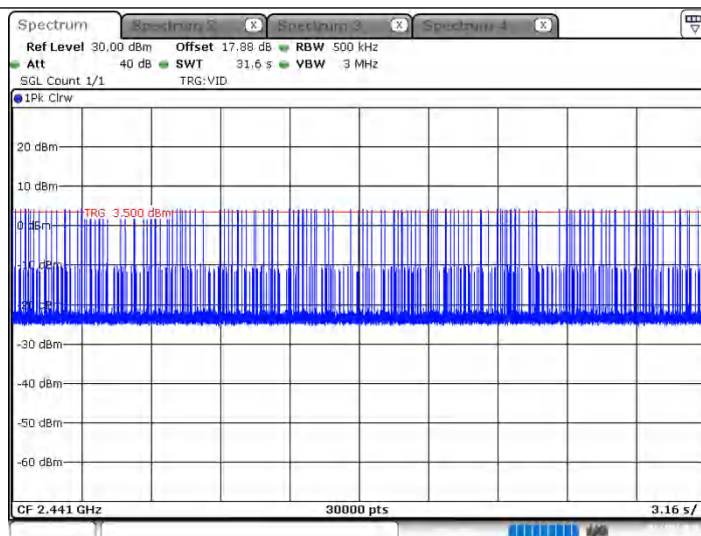


3DH1_Ant1_Hop

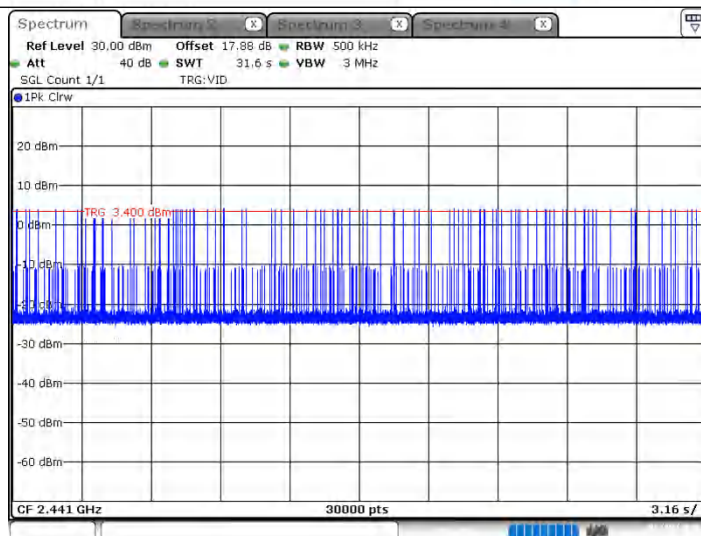
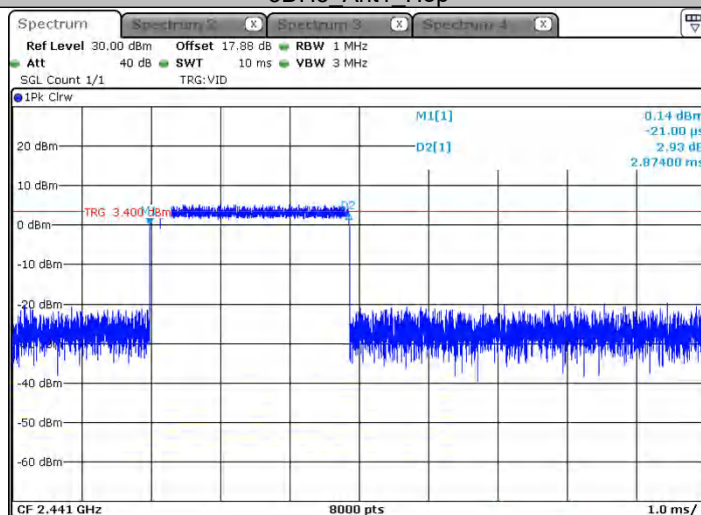


3DH3_Ant1_Hop





3DH5 Ant1_Hop

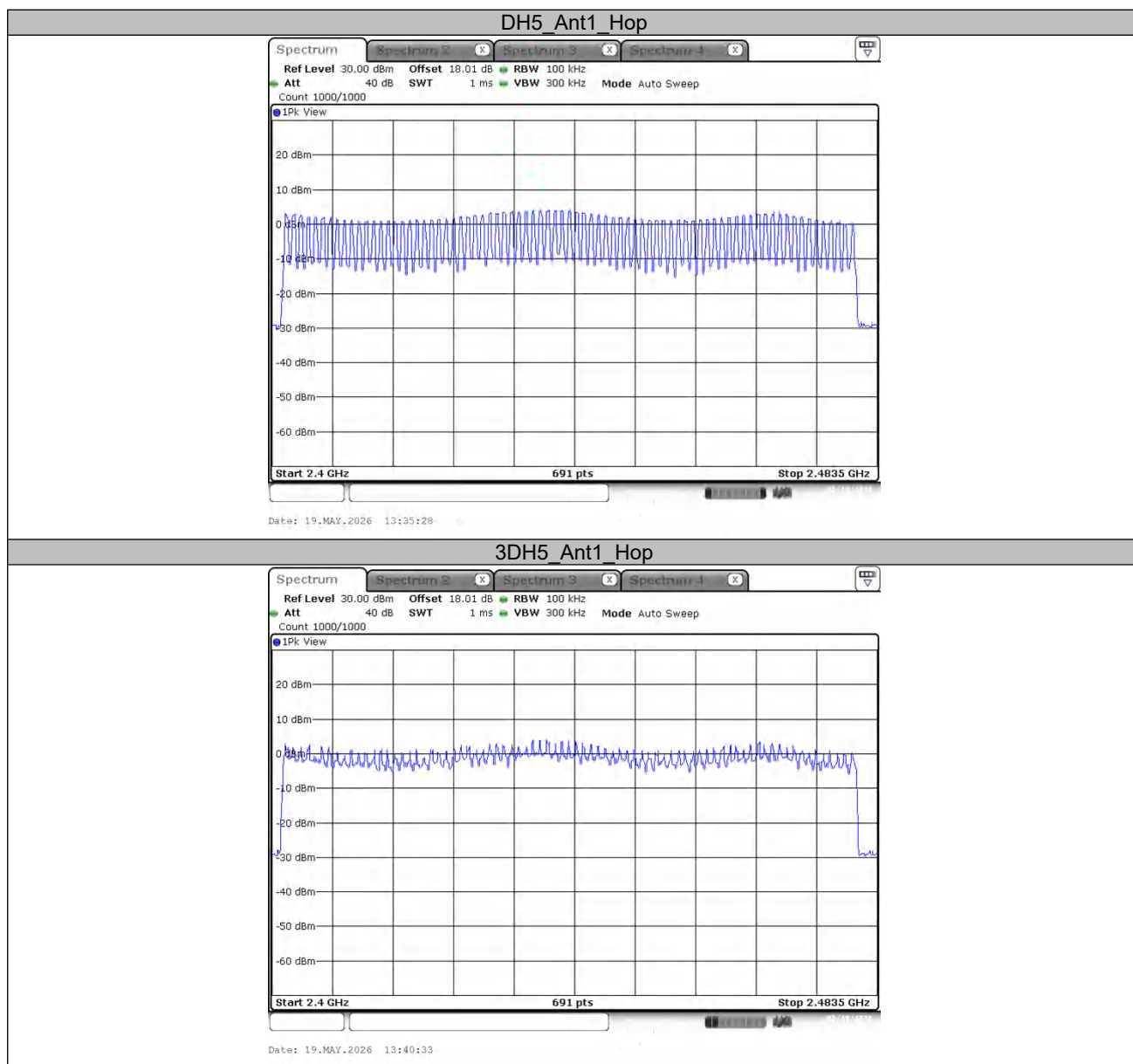


Appendix A.5: Test Results of Number of Hopping Frequency

Test Result

TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs

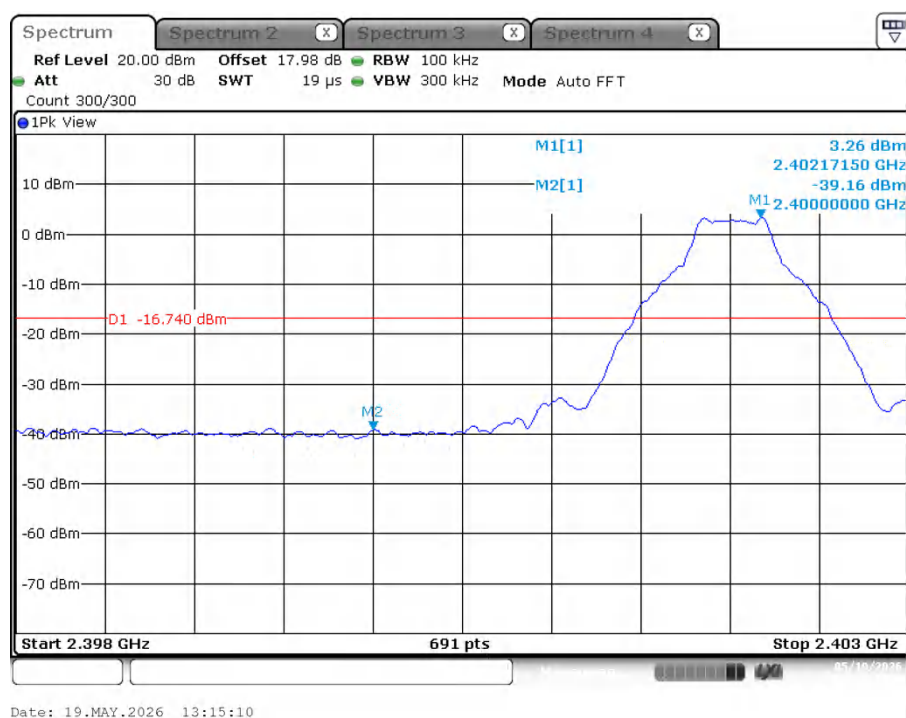


Appendix A.6: Test Results of Band Edge Measurements

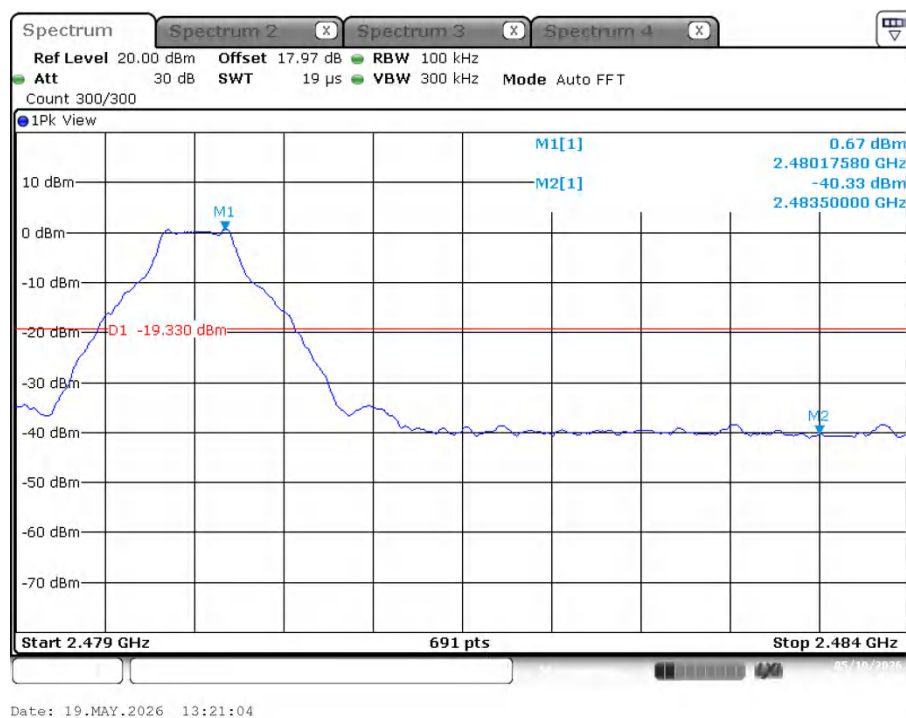
BR mode (DH5)

Fixed mode, Band Edge

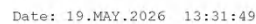
Low Channel



High Channel



Low Channel



Spectrum **Spectrum 2** **Spectrum 3** **Spectrum 4**

Ref Level 20.00 dBm Offset 17.97 dB RBW 100 kHz
 Att 30 dB SWT 19 μ s VBW 300 kHz Mode Auto FFT
 Count 300/300

1Pk View

M1[1] 0.27 dBm
 2.47917000 GHz
 M2[1] -40.65 dBm
 2.48350000 GHz

D1 -19.730 dBm

Start 2.479 GHz 691 pts Stop 2.484 GHz

Date: 19.MAY.2026 13:32:42

EDR mode (3-DH5)

Fixed mode, Band Edge

Low Channel

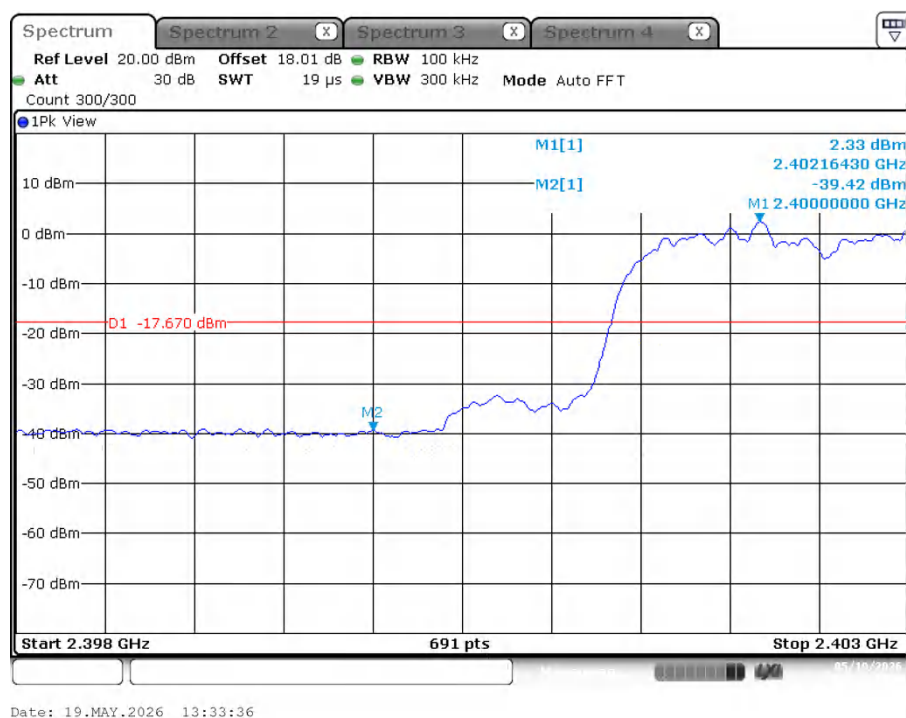


High Channel

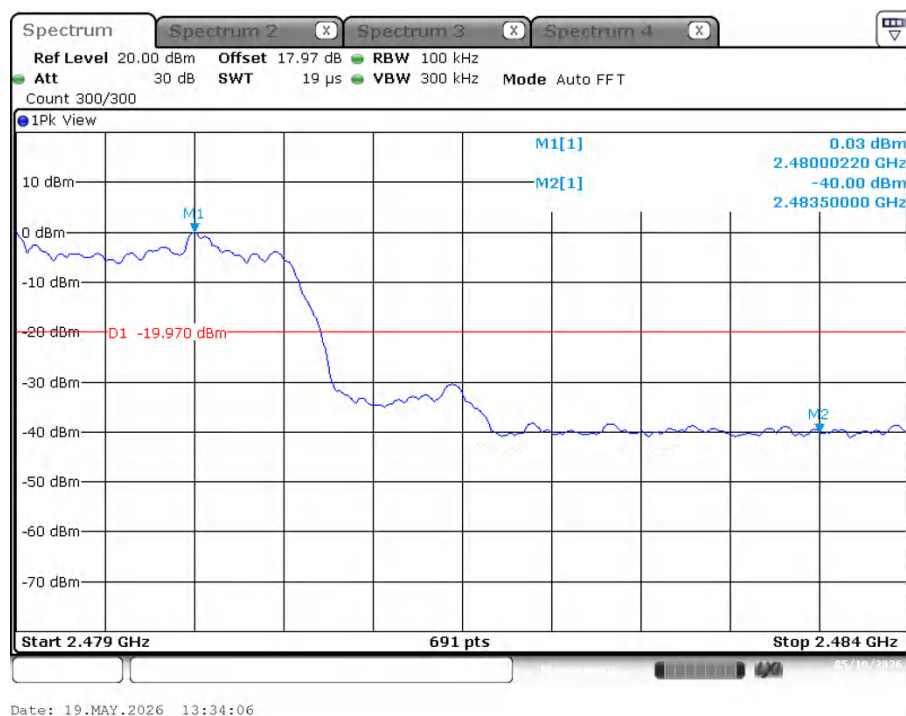


Hopping Mode, Band Edge

Low Channel



High Channel

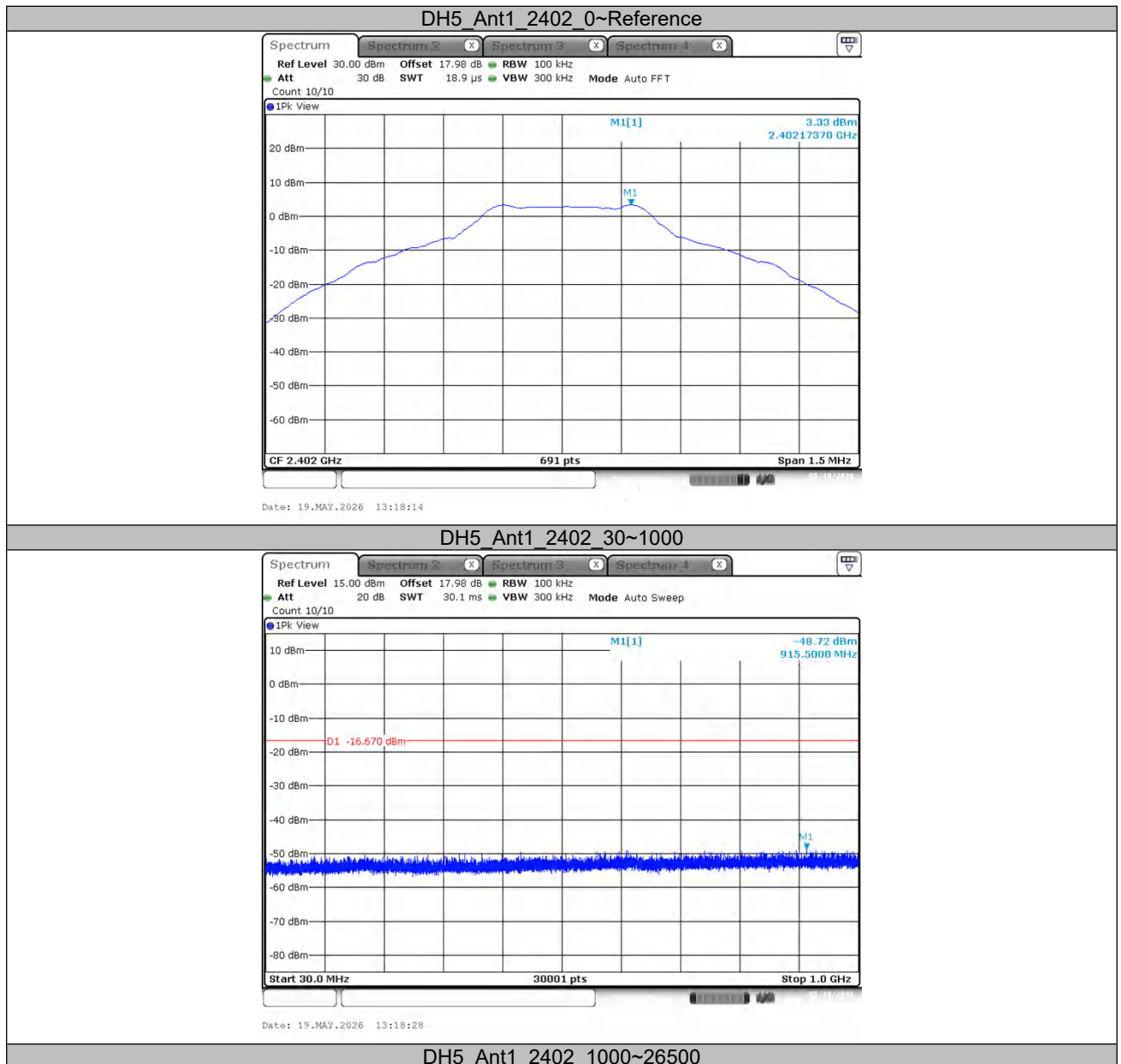


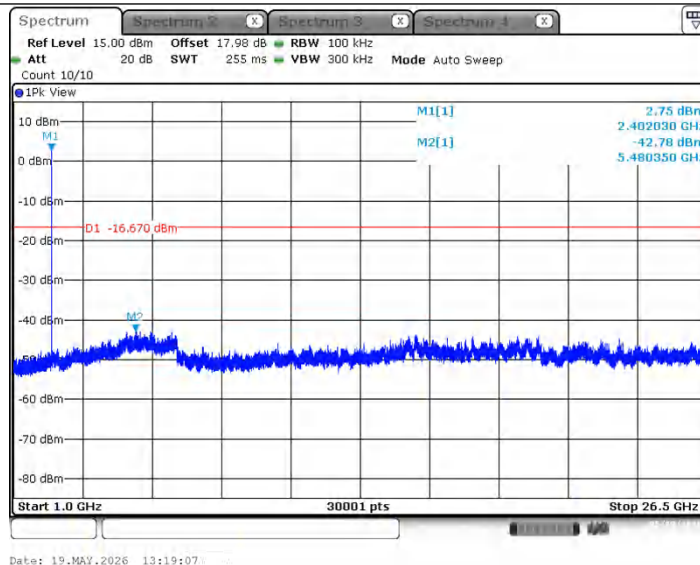
Appendix A.7: Test Results of Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	3.33	3.33	---	PASS
			30~1000	3.33	-48.72	≤-16.67	PASS
			1000~26500	3.33	-42.78	≤-16.67	PASS
		2441	Reference	3.98	3.98	---	PASS
			30~1000	3.98	-49.07	≤-16.02	PASS
			1000~26500	3.98	-42.28	≤-16.02	PASS
		2480	Reference	0.70	0.70	---	PASS
			30~1000	0.70	-48.67	≤-19.3	PASS
			1000~26500	0.70	-43.03	≤-19.3	PASS
3DH5	Ant1	2402	Reference	3.35	3.35	---	PASS
			30~1000	3.35	-48.59	≤-16.65	PASS
			1000~26500	3.35	-42.99	≤-16.65	PASS
		2441	Reference	3.98	3.98	---	PASS
			30~1000	3.98	-48.86	≤-16.02	PASS
			1000~26500	3.98	-42.39	≤-16.02	PASS
		2480	Reference	0.71	0.71	---	PASS
			30~1000	0.71	-48.19	≤-19.29	PASS
			1000~26500	0.71	-43.39	≤-19.29	PASS

Test Graphs

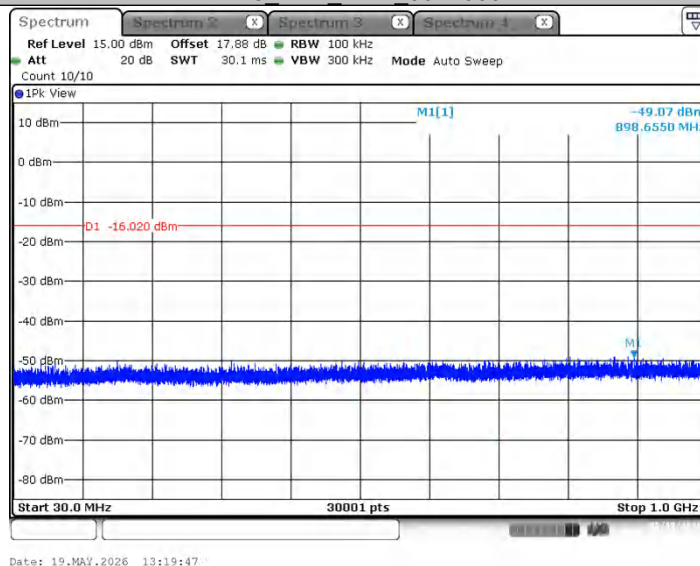




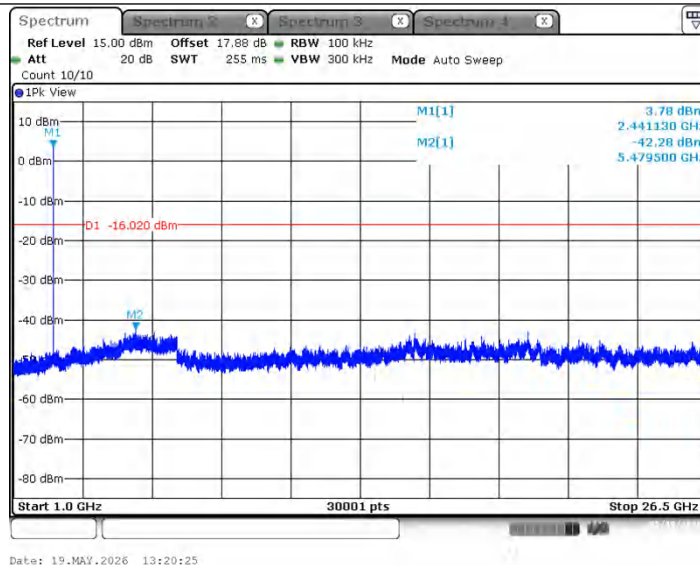
DH5_Ant1_2441_0~Reference



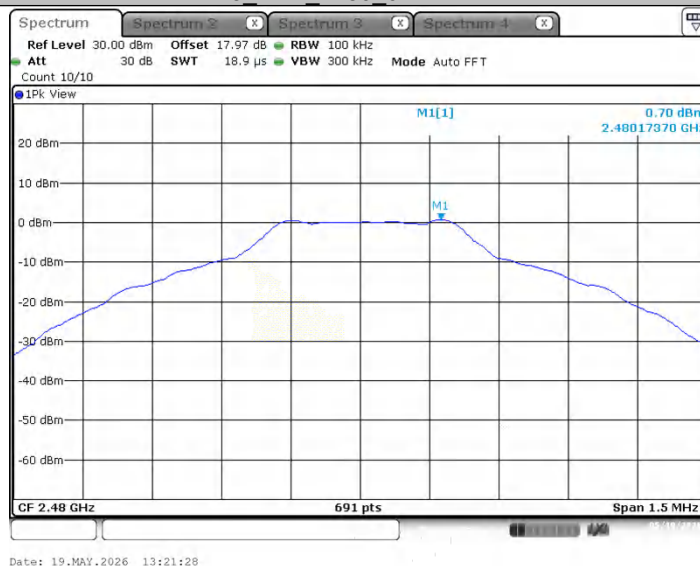
DH5_Ant1_2441_30~1000



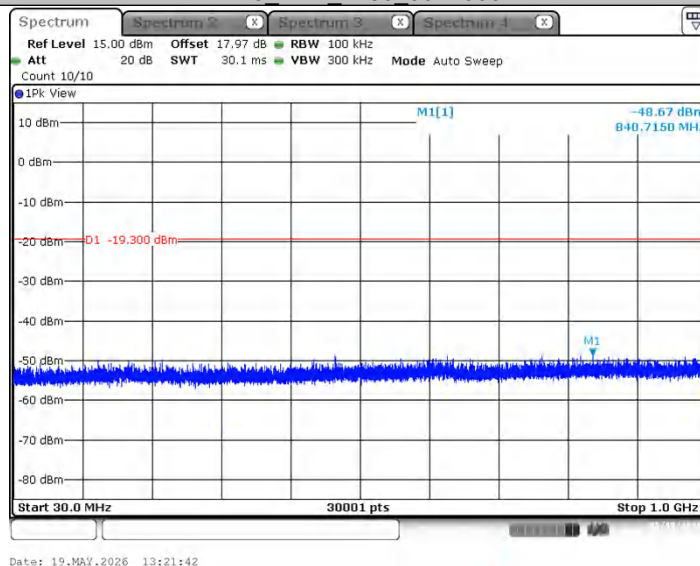
DH5_Ant1_2441_1000~26500



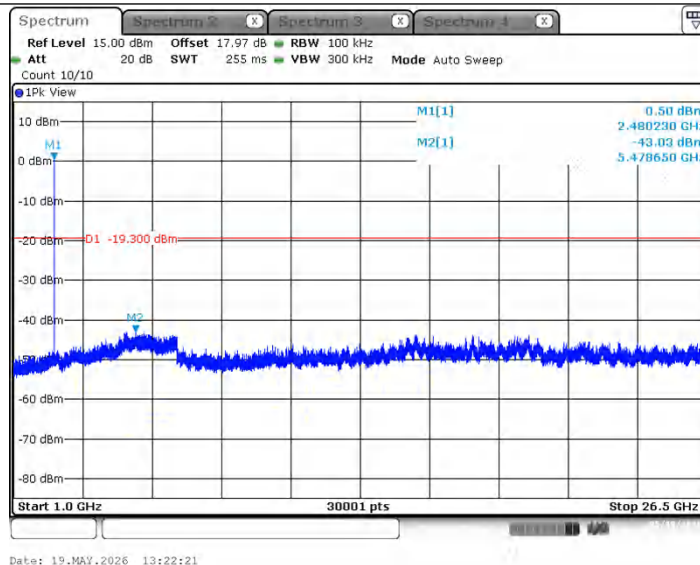
DH5_Ant1_2480_0~Reference



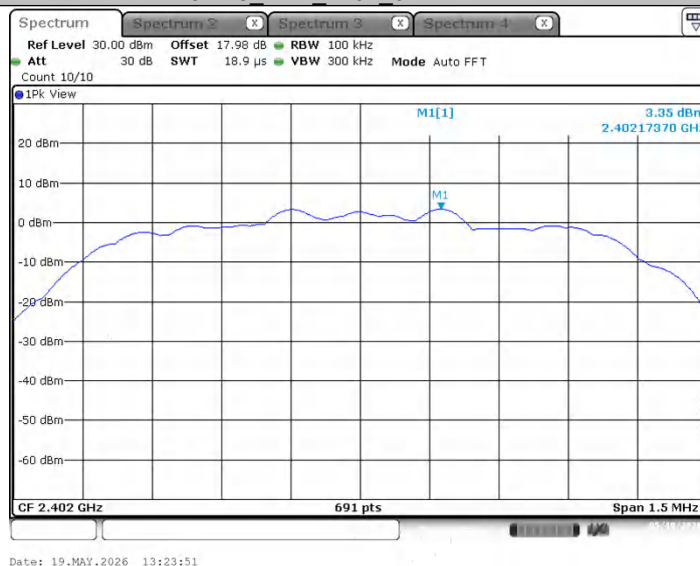
DH5_Ant1_2480_30~1000



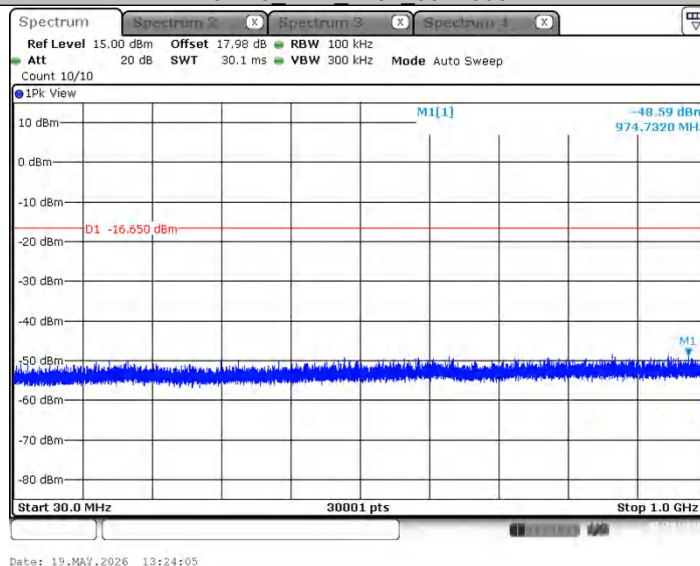
DH5_Ant1_2480_1000~26500



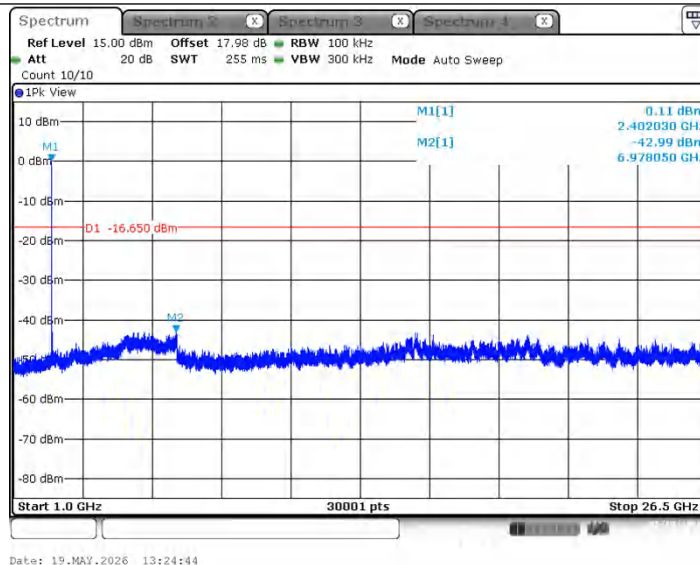
3DH5_Ant1_2402_0~Reference



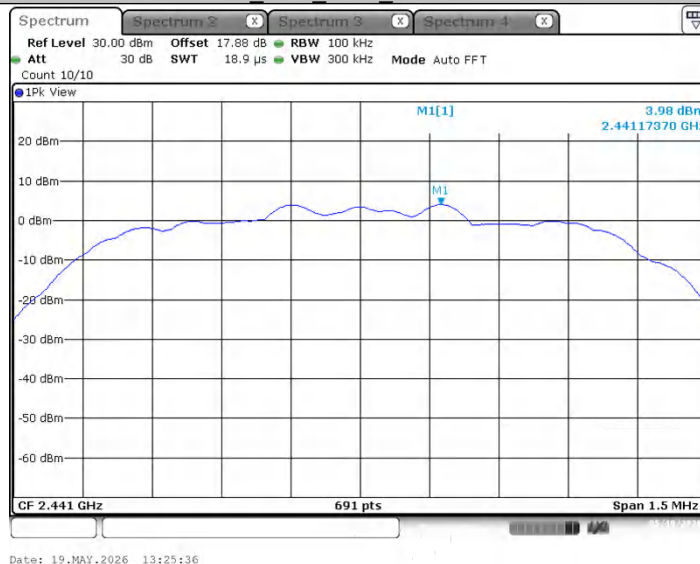
3DH5_Ant1_2402_30~1000



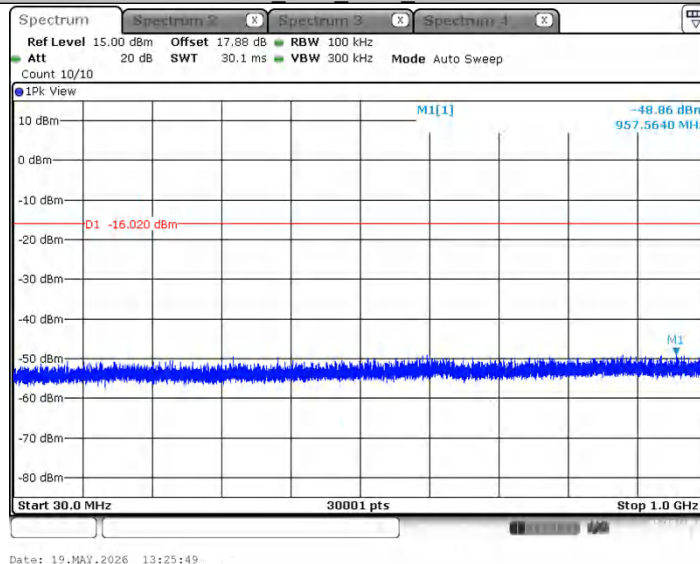
3DH5_Ant1_2402_1000~26500



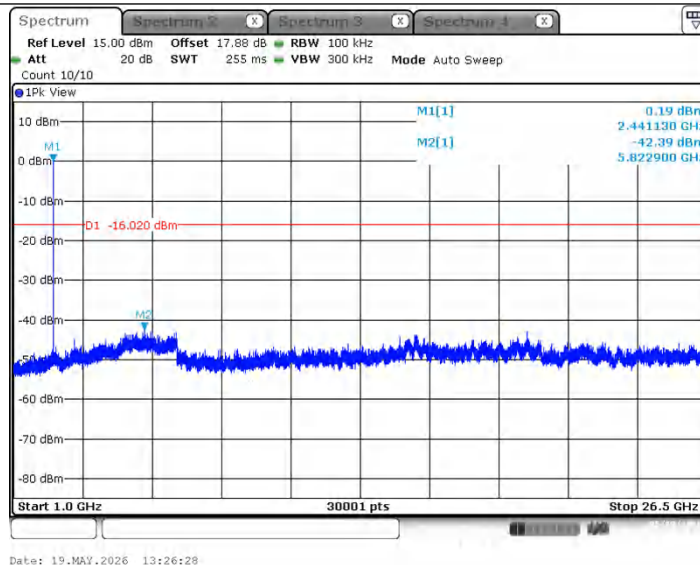
3DH5_Ant1_2441_0~Reference



3DH5_Ant1_2441_30~1000



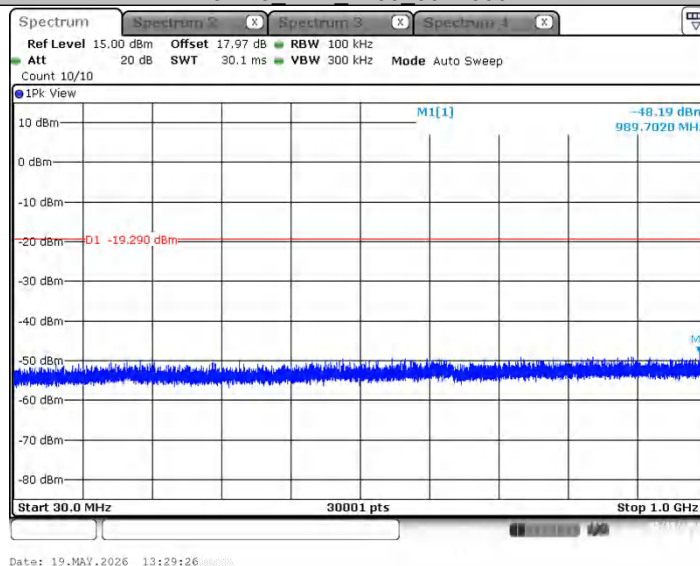
3DH5_Ant1_2441_1000~26500



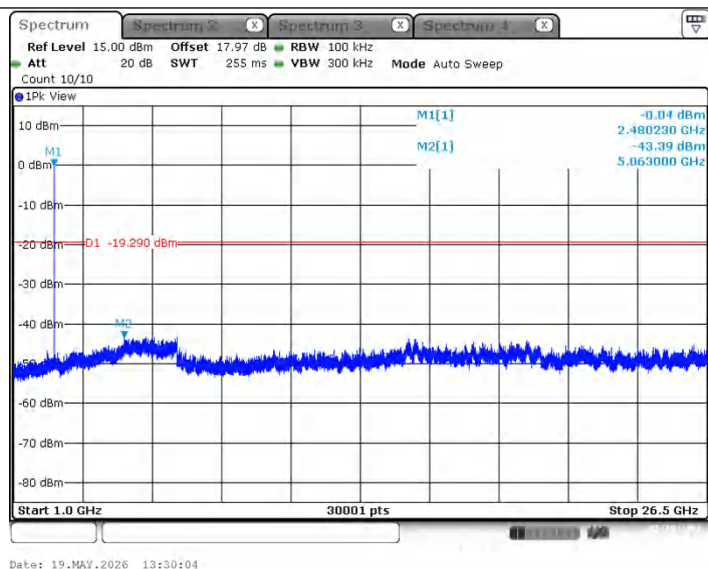
3DH5_Ant1_2480_0~Reference



3DH5_Ant1_2480_30~1000



3DH5_Ant1_2480_1000~26500



Appendix A.8: Test Results of Radiated Spurious Emissions

Note:

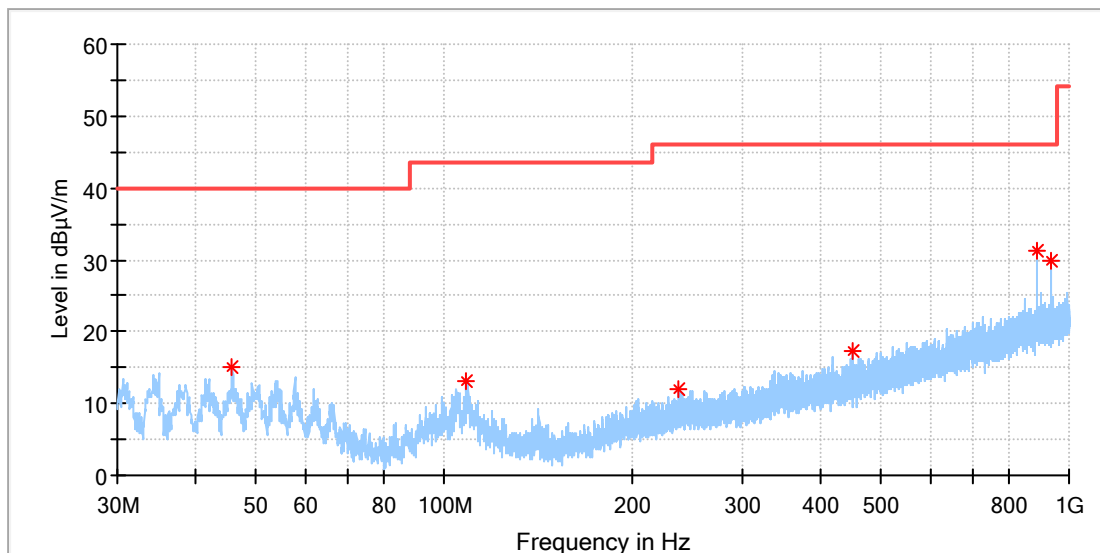
- 1) This testing was carried out on different modulations, but only the worst case was presented in this report.
- 2) Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

30MHz - 1GHz for ANT1

Worst case:

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BR DH5_Mid channel
Order No/Sample No:	27225739/A004231951-001
Test Voltage:	Battery
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

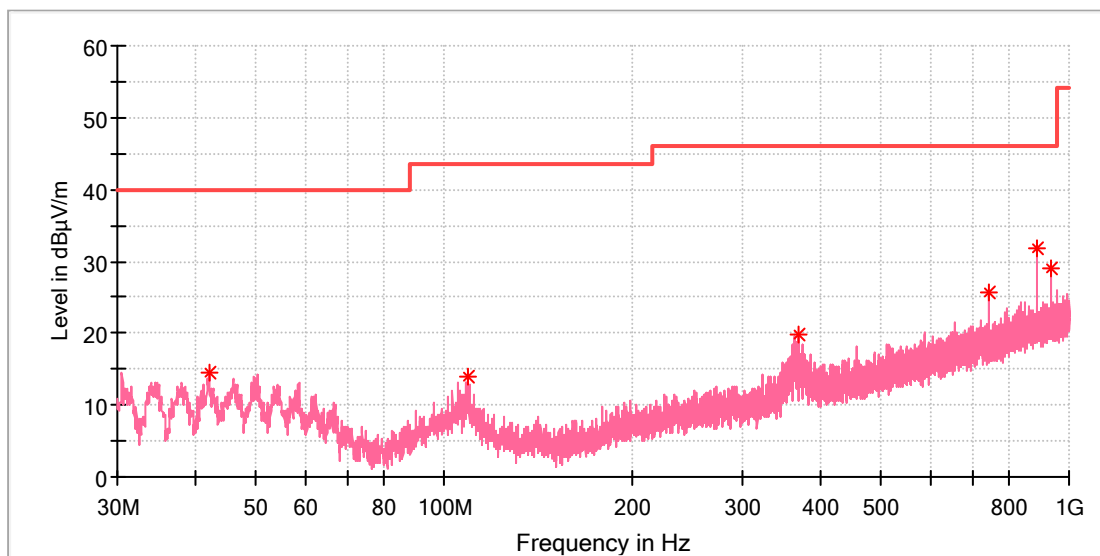
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
45.843333	15.06	40.00	24.94	100.0	H	15.0	-18.8
108.570000	13.06	43.50	30.44	100.0	H	295.0	-19.1
237.903333	11.94	46.00	34.06	100.0	H	0.0	-17.8
448.986111	17.17	46.00	28.83	100.0	H	30.0	-12.8
890.982778	31.14	46.00	14.86	100.0	H	181.0	-4.9
938.458889	29.72	46.00	16.28	100.0	H	288.0	-4.4

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Bluetooth Speaker
Model: CUB
Test Mode: BR DH5_Mid channel
Order No/Sample No: 27225739/A004231951-001
Test Voltage: Battery
Remark: Temp 23.8°C Humi:57%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
42.071111	14.49	40.00	25.51	100.0	V	94.0	-19.7
109.162778	13.98	43.50	29.52	100.0	V	10.0	-19.2
370.308333	19.81	46.00	26.19	100.0	V	18.0	-14.4
742.465000	25.67	46.00	20.33	100.0	V	0.0	-7.2
890.982778	31.69	46.00	14.31	100.0	V	3.0	-4.9
938.458889	29.15	46.00	16.85	100.0	V	229.0	-4.4

Final_Result

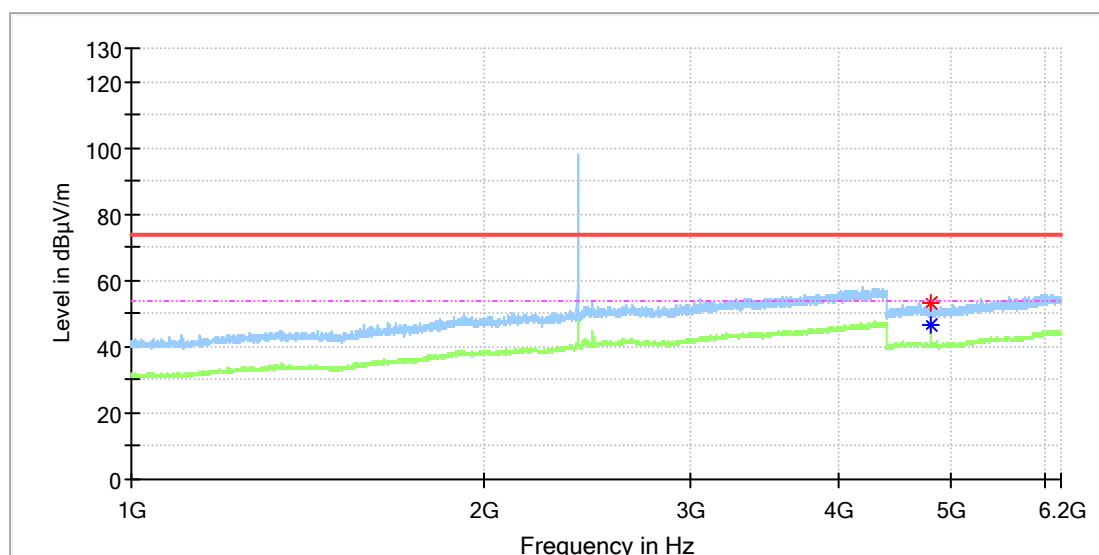
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

1GHz - 18GHz for ANT1

Note: The highest waveform in the figure is Bluetooth Fundamental.

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BR DH5_Low channel
Order No/Sample No:	27225739/A004231951-001
Test Voltage:	Battery
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

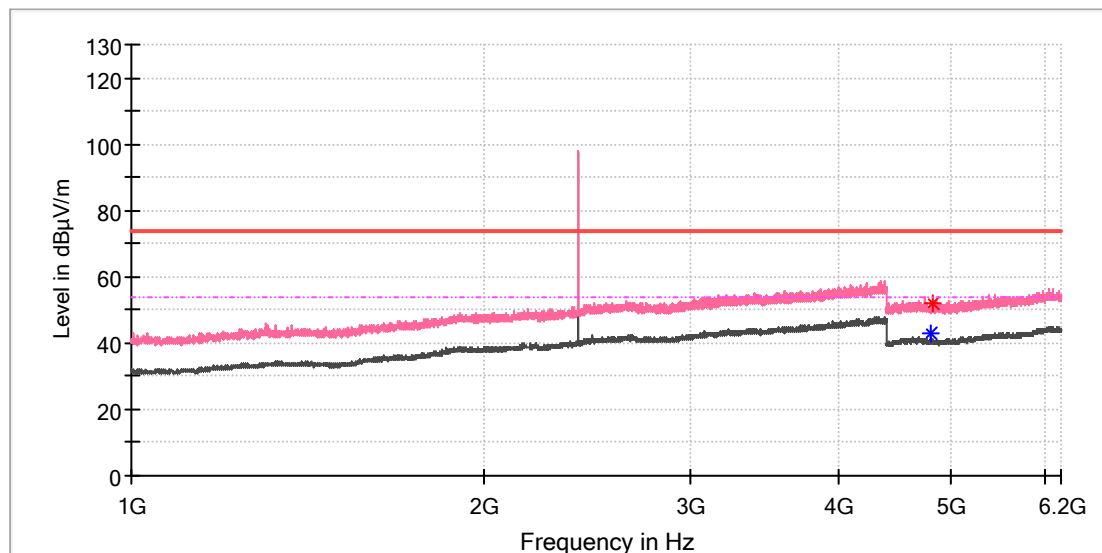
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4803.500000	53.50	---	74.00	20.50	150.0	H	51.0	13.3
4804.000000	---	46.84	54.00	7.16	150.0	H	44.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BR DH5_Low channel
Order No/Sample No:	27225739/A004231951-001
Test Voltage:	Battery
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

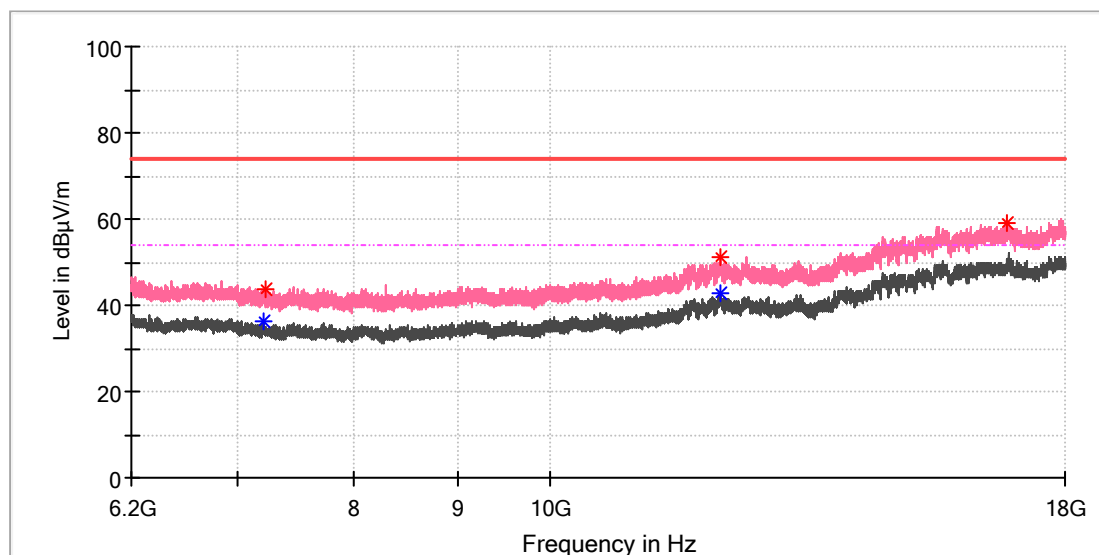
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4804.000000	---	42.84	54.00	11.17	150.0	V	287.0	13.3
4811.500000	52.13	---	74.00	21.87	150.0	V	0.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.000	100.000	100.000	100.000	100.000	100.000		100.000	100.000

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BR DH5_Low channel
Order No/Sample No:	27225739/A004231951-001
Test Voltage:	Battery
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

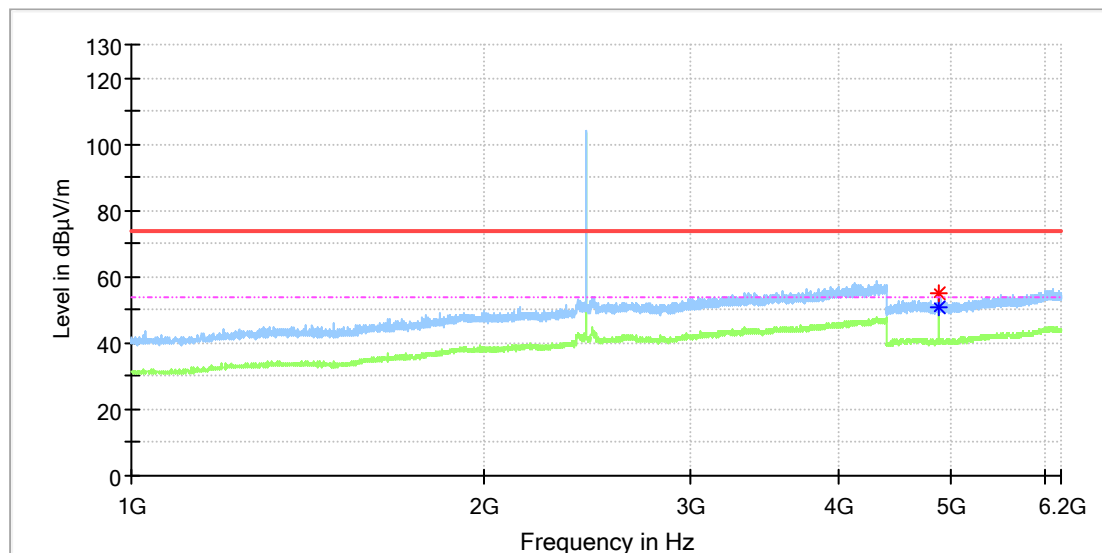
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7209.391667	---	36.23	54.00	17.77	150.0	V	341.0	8.8
7230.041667	43.92	---	74.00	30.08	150.0	V	239.0	8.6
12146.708333	51.32	---	74.00	22.68	150.0	V	329.0	16.6
12148.183333	---	42.80	54.00	11.20	150.0	V	273.0	16.7
16856.875000	58.97	---	68.20	9.23	150.0	V	183.0	22.9

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BR DH5_Mid channel
Order No/Sample No:	27225739/A004231951-001
Test Voltage:	Battery
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

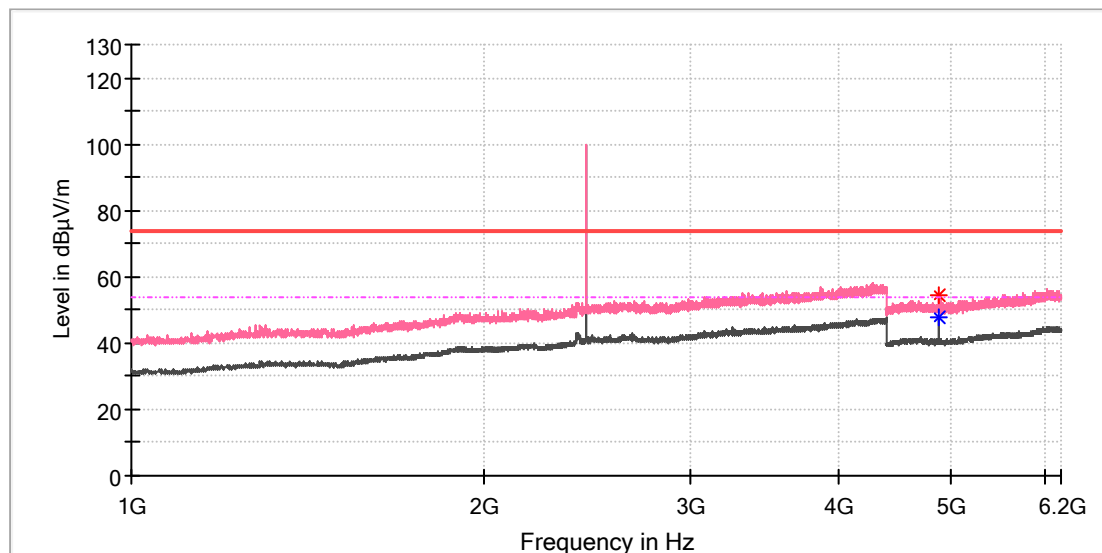
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4881.500000	55.25	---	74.00	18.75	150.0	H	54.0	13.3
4882.000000	---	50.50	54.00	3.50	150.0	H	41.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.000000	100.000000	100.000000	100.000000	100.000000	100.000000		100.000000	100.000000

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BR DH5_Mid channel
Order No/Sample No:	27225739/A004231951-001
Test Voltage:	Battery
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

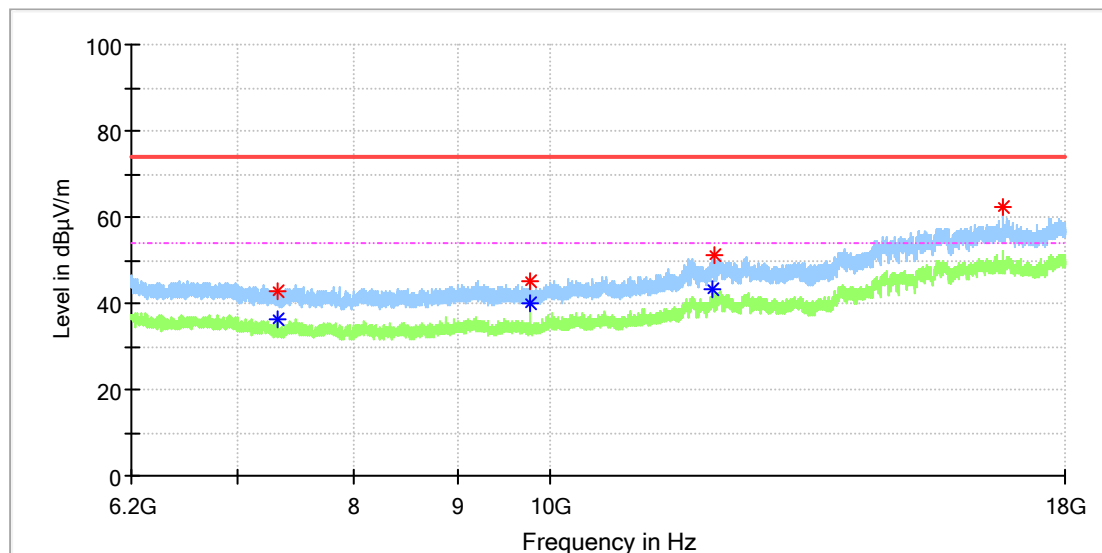
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4882.000000	54.32	---	74.00	19.68	150.0	V	106.0	13.3
4882.000000	---	47.89	54.00	6.11	150.0	V	106.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.000000	100.000000	100.000000	100.000000	100.000000	100.000000		100.000000	100.000000

EUT Information

EUT Name: Bluetooth Speaker
Model: CUB
Test Mode: BR DH5_Mid channel
Order No/Sample No: 27225739/A004231951-001
Test Voltage: Battery
Remark: Temp 23.8°C Humi:57%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7322.475000	42.98	---	74.00	31.02	150.0	H	49.0	8.2
7322.475000	---	36.38	54.00	17.62	150.0	H	49.0	8.2
9764.091667	45.28	---	74.00	28.72	150.0	H	29.0	10.4
9764.091667	---	40.14	54.00	13.86	150.0	H	29.0	10.4
12030.675000	---	43.10	54.00	10.90	150.0	H	190.0	16.0
12049.358333	50.96	---	74.00	23.04	150.0	H	82.0	16.4
16756.083333	62.49	---	68.20	5.71	150.0	H	223.0	21.8

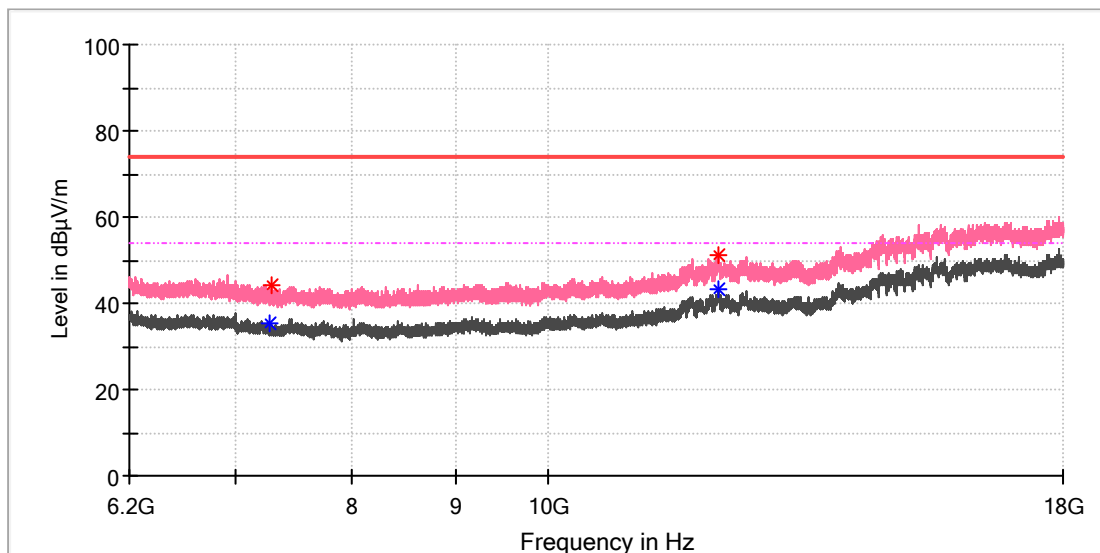
Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---	---

Note: The observed value in frequency 16756.08MHz is not within the restricted band, just Peak value was recorded.

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BR DH5_Mid channel
Order No/Sample No:	27225739/A004231951-001
Test Voltage:	Battery
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

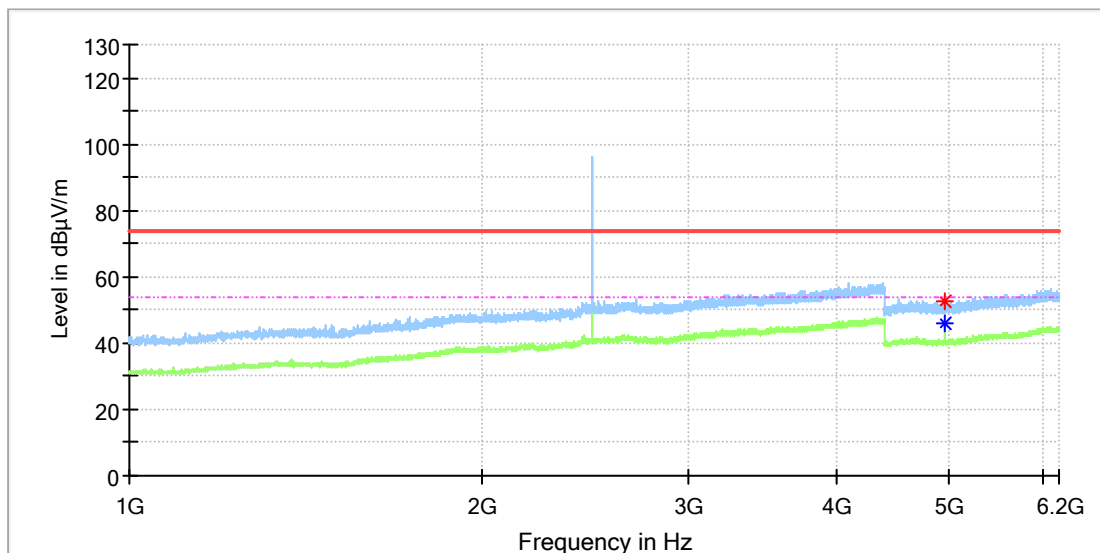
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7277.733333	---	35.45	54.00	18.55	150.0	V	320.0	8.4
7301.333333	44.34	---	74.00	29.66	150.0	V	90.0	8.3
12143.266667	50.97	---	74.00	23.03	150.0	V	0.0	16.6
12147.200000	---	43.26	54.00	10.74	150.0	V	134.0	16.7

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.00	100.00	100.00	100.00	100.00	100.00		100.00	100.00

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BR DH5_High channel
Order No/Sample No:	27225739/A004231951-001
Test Voltage:	Battery
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

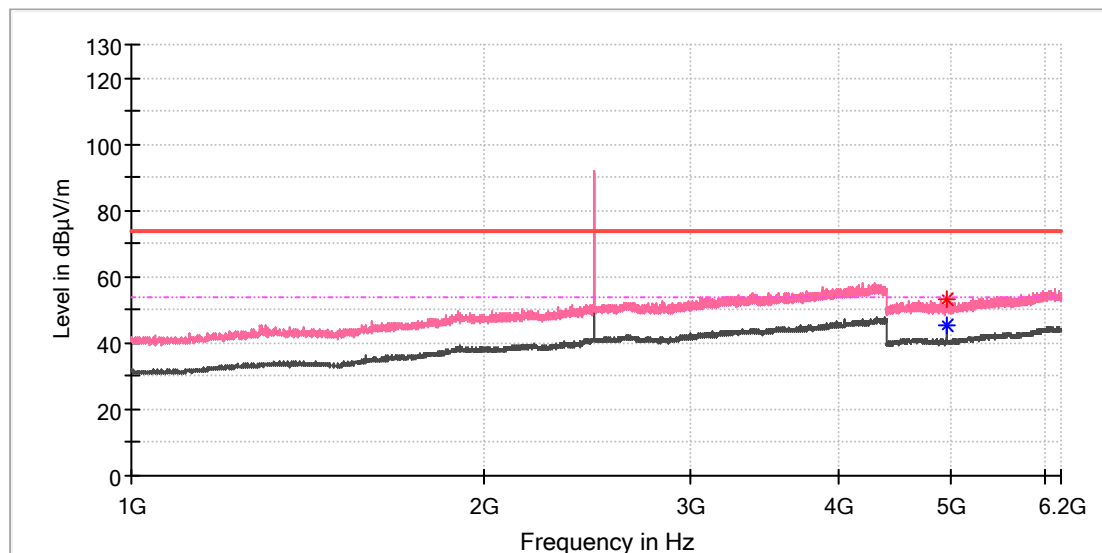
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4960.000000	52.54	---	74.00	21.46	150.0	H	52.0	13.3
4960.000000	---	46.20	54.00	7.80	150.0	H	52.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.7	122.0	118.0	120.0	2.0	100.0	V	135.0	0.0

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BR DH5_High channel
Order No/Sample No:	27225739/A004231951-001
Test Voltage:	Battery
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

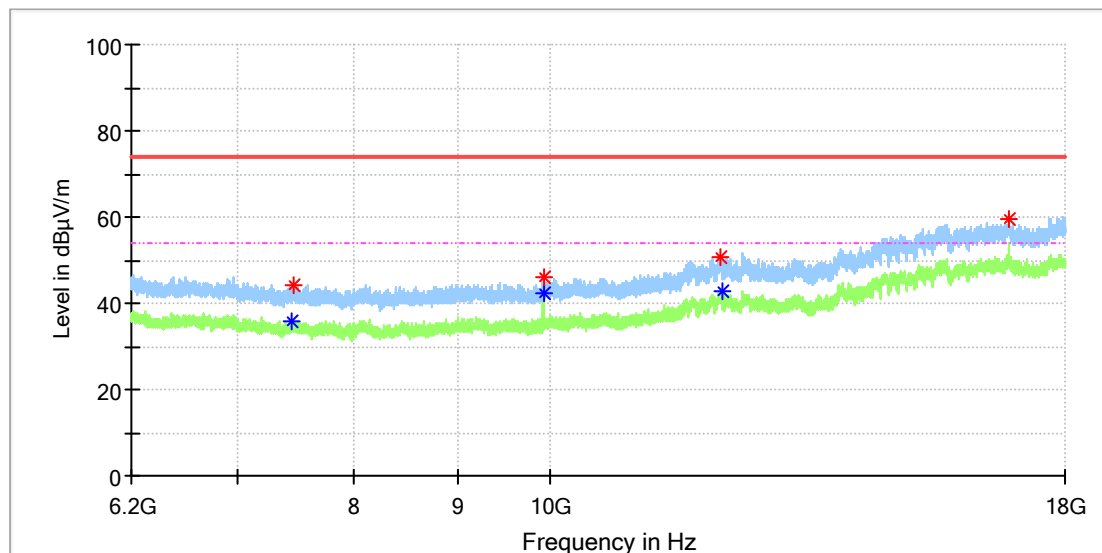
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4960.000000	53.20	---	74.00	20.80	150.0	V	67.0	13.3
4960.000000	---	45.22	54.00	8.78	150.0	V	67.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.000000	100.000000	100.000000	100.000000	100.000000	100.000000		100.000000	100.000000

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BR DH5_High channel
Order No/Sample No:	27225739/A004231951-001
Test Voltage:	Battery
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

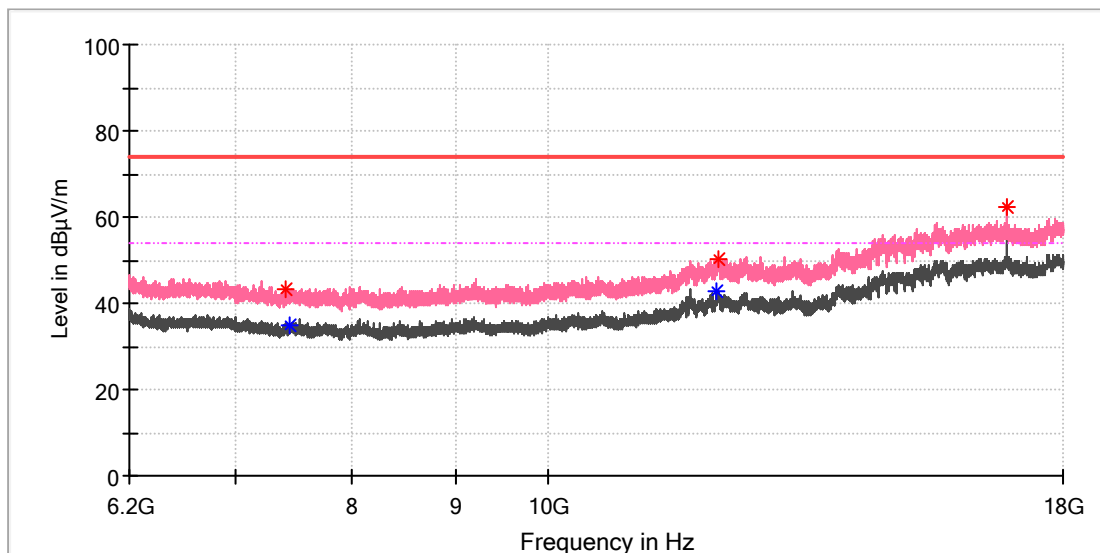
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	PoI	Azimuth (deg)	Corr. (dB/m)
7441.950000	---	35.97	54.00	18.03	150.0	H	75.0	8.4
7456.208333	44.21	---	74.00	29.79	150.0	H	286.0	8.5
9920.441667	46.11	---	74.00	27.89	150.0	H	34.0	10.8
9920.441667	---	42.35	54.00	11.65	150.0	H	34.0	10.8
12150.641667	50.92	---	74.00	23.08	150.0	H	319.0	16.7
12160.966667	---	42.59	54.00	11.41	150.0	H	297.0	16.2
16893.258333	59.46	---	68.20	8.74	150.0	H	307.0	22.9

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name: Bluetooth Speaker
Model: CUB
Test Mode: BR DH5_High channel
Order No/Sample No: 27225739/A004231951-001
Test Voltage: Battery
Remark: Temp 23.8°C Humi:57%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7410.483333	43.38	---	74.00	30.62	150.0	V	187.0	8.3
7444.408333	---	35.10	54.00	18.90	150.0	V	218.0	8.5
12130.483333	---	43.00	54.00	11.00	150.0	V	229.0	16.2
12143.266667	50.25	---	74.00	23.75	150.0	V	197.0	16.6
16887.850000	62.28	---	68.20	5.92	150.0	V	32.0	22.9

Final_Result

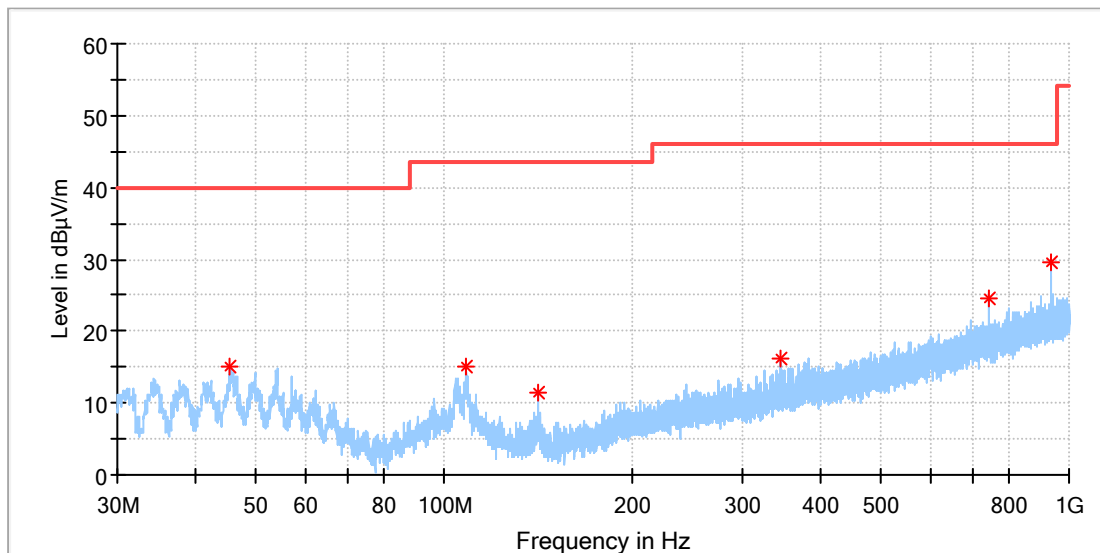
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

Note: The observed value in frequency 16887.85MHz is not within the restricted band, just Peak value was recorded.

30MHz - 1GHz for ANT2

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BR DH5_Mid channel
Order No/Sample No:	27225739/A004263143-001
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

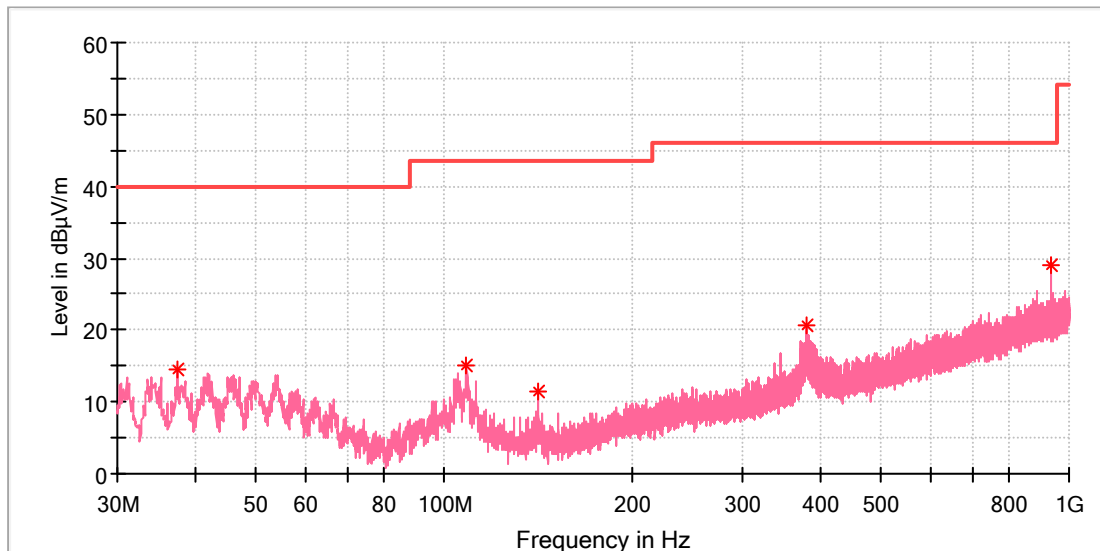
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
45.520000	15.08	40.00	24.92	100.0	H	0.0	-18.9
108.138889	14.99	43.50	28.51	100.0	H	108.0	-19.1
141.226667	11.42	43.50	32.08	100.0	H	15.0	-22.4
345.788889	16.16	46.00	29.84	100.0	H	179.0	-14.9
742.465000	24.50	46.00	21.50	100.0	H	261.0	-7.2
938.405000	29.62	46.00	16.38	100.0	H	224.0	-4.4

Final_Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

EUT Information

EUT Name: Bluetooth Speaker
Model: CUB
Test Mode: BR DH5_Mid channel
Order No/Sample No: 27225739/A004263143-001
Test Voltage: Battery
Remark: Temp 23.5°C Humi:54%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
37.490556	14.42	40.00	25.58	100.0	V	222.0	-21.0
108.785556	14.95	43.50	28.55	100.0	V	290.0	-19.1
141.172778	11.54	43.50	31.96	100.0	V	290.0	-22.4
379.846667	20.57	46.00	25.43	100.0	V	281.0	-14.2
936.950000	28.97	46.00	17.03	100.0	V	156.0	-4.4

Final Result

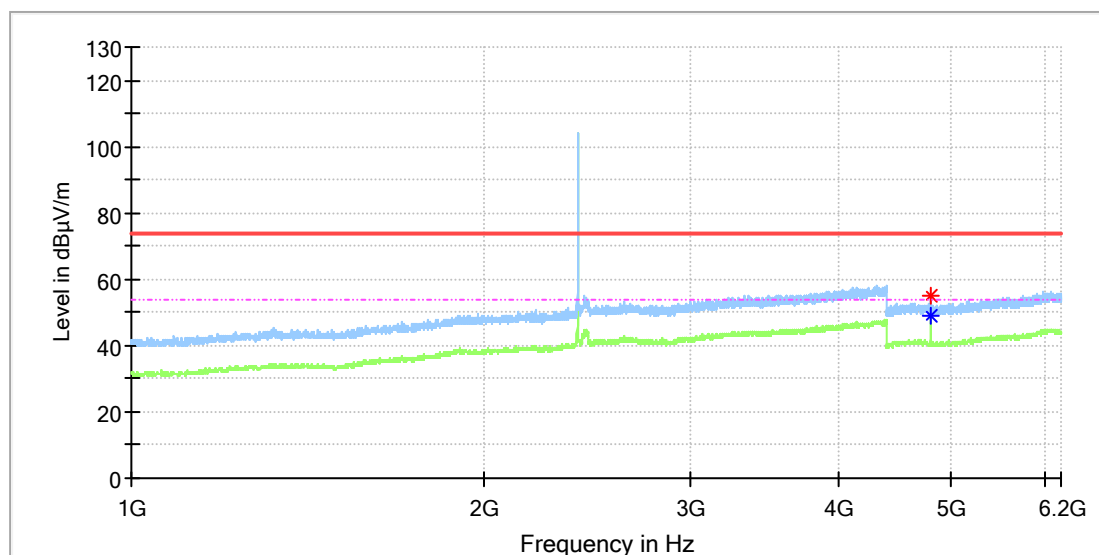
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

1GHz - 18GHz for ANT2

Note: The highest waveform in the figure is Bluetooth Fundamental.

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BR DH5_Low channel
Order No/Sample No:	27225739/A004263143-001
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

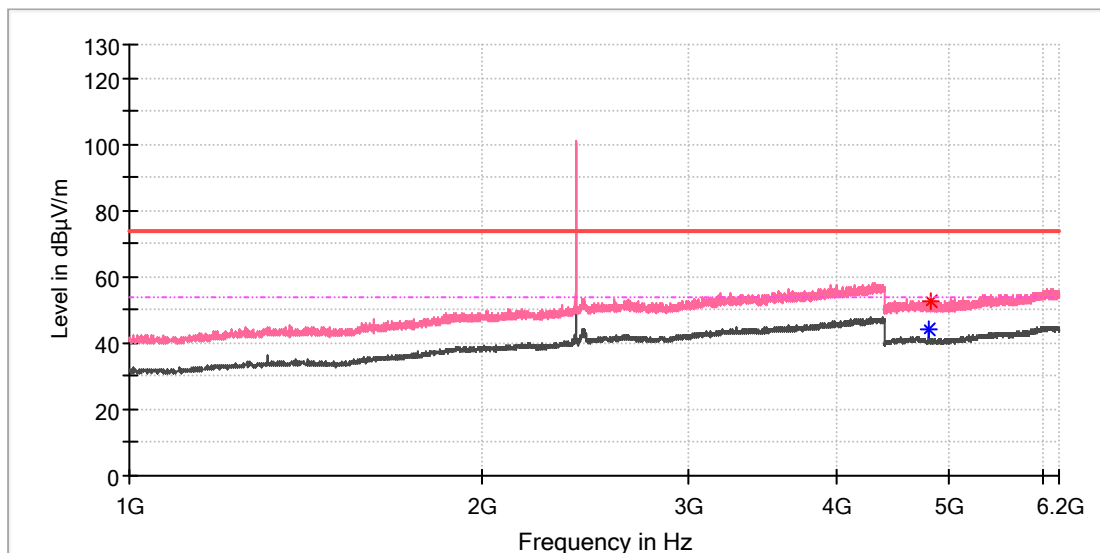
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4804.000000	54.89	---	74.00	19.11	150.0	H	70.0	13.3
4804.000000	---	49.17	54.00	4.83	150.0	H	70.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BR DH5_Low channel
Order No/Sample No:	27225739/A004263143-001
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

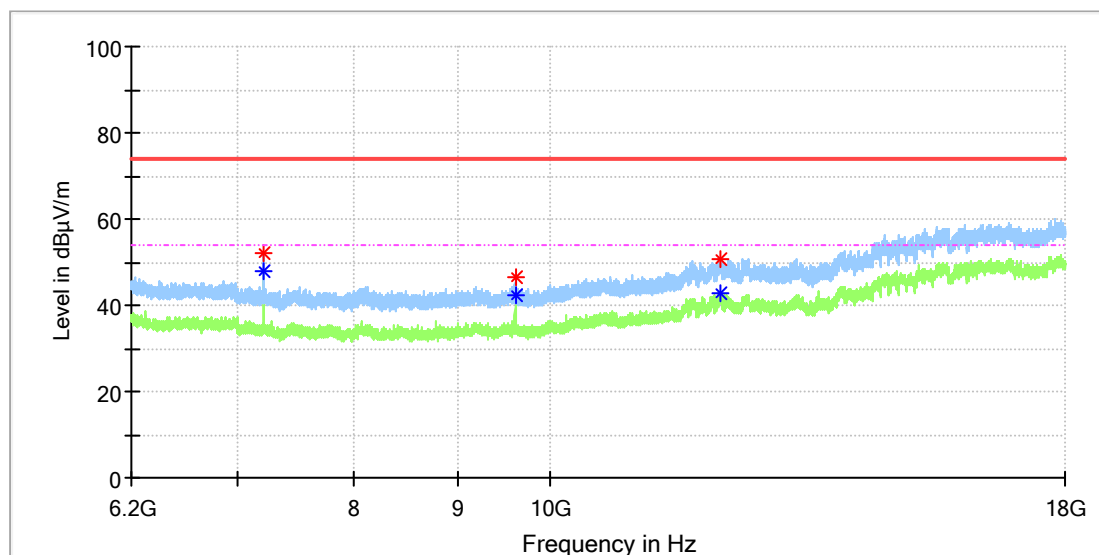
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4804.000000	---	44.26	54.00	9.74	150.0	V	39.0	13.3
4811.500000	52.52	---	74.00	21.48	150.0	V	222.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.000	100.000	100.000	100.000	100.000	100.000		100.000	100.000

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BR DH5_Low channel
Order No/Sample No:	27225739/A004263143-001
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

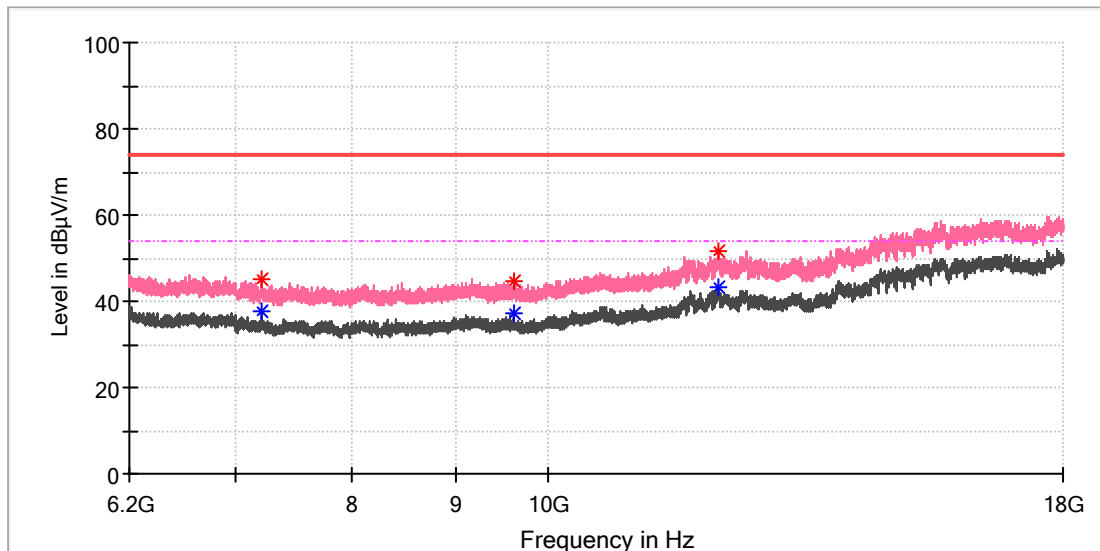
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	PoI	Azimuth (deg)	Corr. (dB/m)
7205.950000	52.09	---	74.00	21.91	150.0	H	209.0	8.8
7206.441667	---	48.09	54.00	5.91	150.0	H	218.0	8.8
9608.233333	---	42.33	54.00	11.67	150.0	H	226.0	10.4
9608.233333	46.53	---	74.00	27.47	150.0	H	226.0	10.4
12146.216667	50.86	---	74.00	23.14	150.0	H	142.0	16.6
12147.691667	---	43.00	54.00	11.00	150.0	H	334.0	16.7

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BR DH5_Low channel
Order No/Sample No:	27225739/A004263143-001
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

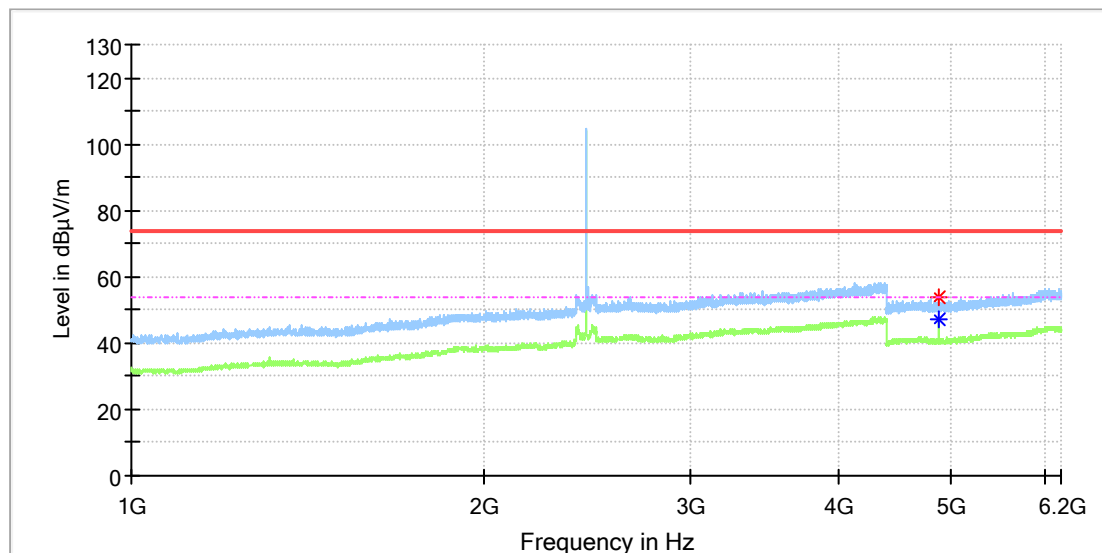
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	PoI	Azimuth (deg)	Corr. (dB/m)
7204.966667	44.89	---	74.00	29.11	150.0	V	57.0	8.8
7205.458333	---	37.64	54.00	16.36	150.0	V	172.0	8.8
9607.741667	---	37.28	54.00	16.72	150.0	V	228.0	10.4
9608.725000	44.51	---	74.00	29.49	150.0	V	204.0	10.4
12141.300000	51.72	---	74.00	22.28	150.0	V	156.0	16.5
12155.066667	---	43.19	54.00	10.81	150.0	V	0.0	16.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BR DH5_Mid channel
Order No/Sample No:	27225739/A004263143-001
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

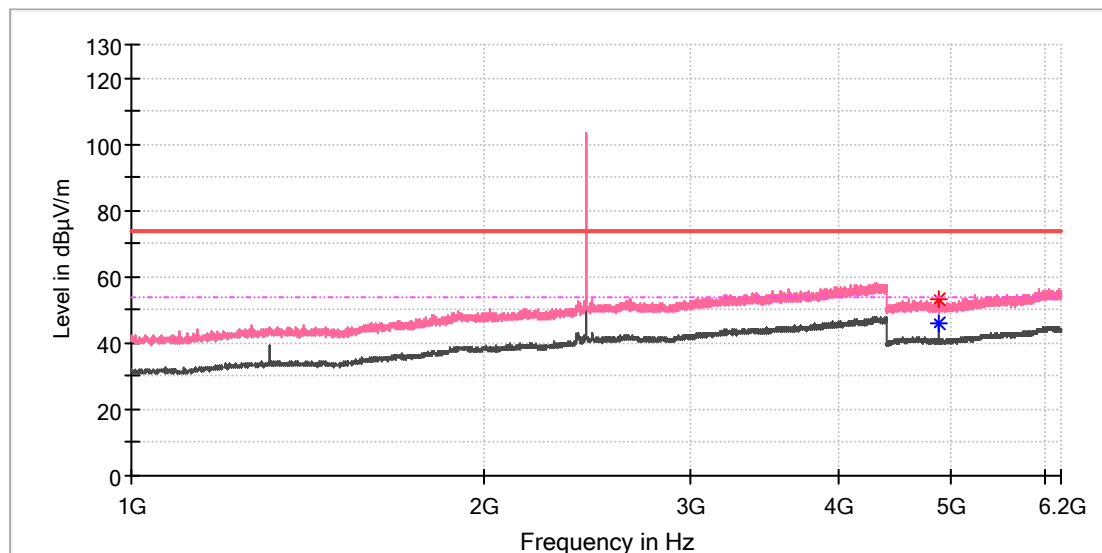
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4882.000000	---	47.39	54.00	6.61	150.0	H	186.0	13.3
4882.500000	53.99	---	74.00	20.01	150.0	H	186.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.7	122.0	118.0	120.0	2.0	100.0	V	135.0	0.0

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BR DH5_Mid channel
Order No/Sample No:	27225739/A004263143-001
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

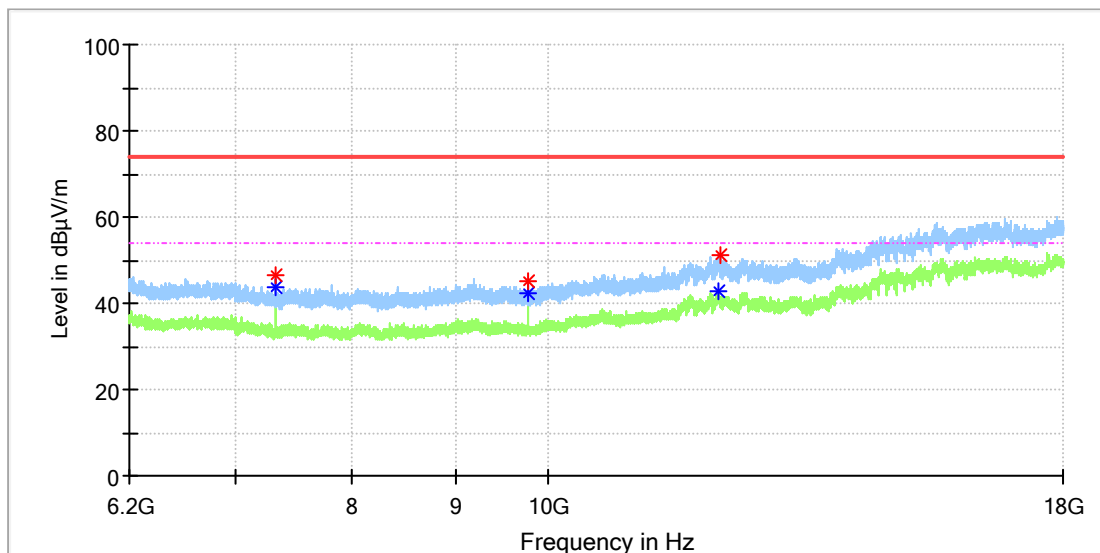
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4881.500000	53.38	---	74.00	20.62	150.0	V	201.0	13.3
4882.000000	---	45.67	54.00	8.33	150.0	V	195.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.000000	100.000000	100.000000	100.000000	100.000000	100.000000		100.000000	100.000000

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BR DH5_Mid channel
Order No/Sample No:	27225739/A004263143-001
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

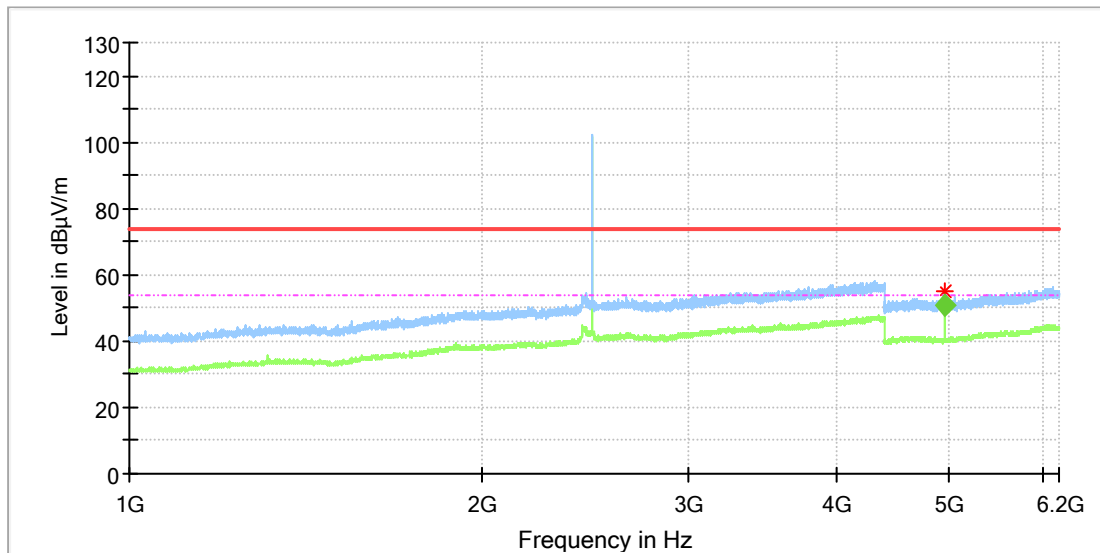
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	PoI	Azimuth (deg)	Corr. (dB/m)
7322.966667	---	43.50	54.00	10.50	150.0	H	216.0	8.2
7323.458333	46.32	---	74.00	27.68	150.0	H	208.0	8.2
9764.091667	45.14	---	74.00	28.86	150.0	H	216.0	10.4
9764.091667	---	42.18	54.00	11.82	150.0	H	216.0	10.4
12159.000000	---	42.57	54.00	11.43	150.0	H	1.0	16.3
12164.408333	51.11	---	74.00	22.89	150.0	H	249.0	16.0

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name: Bluetooth Speaker
Model: CUB
Test Mode: BR DH5_High channel
Order No/Sample No: 27225739/A004263143-001
Test Voltage: Battery
Remark: Temp 23.5°C Humi:54%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

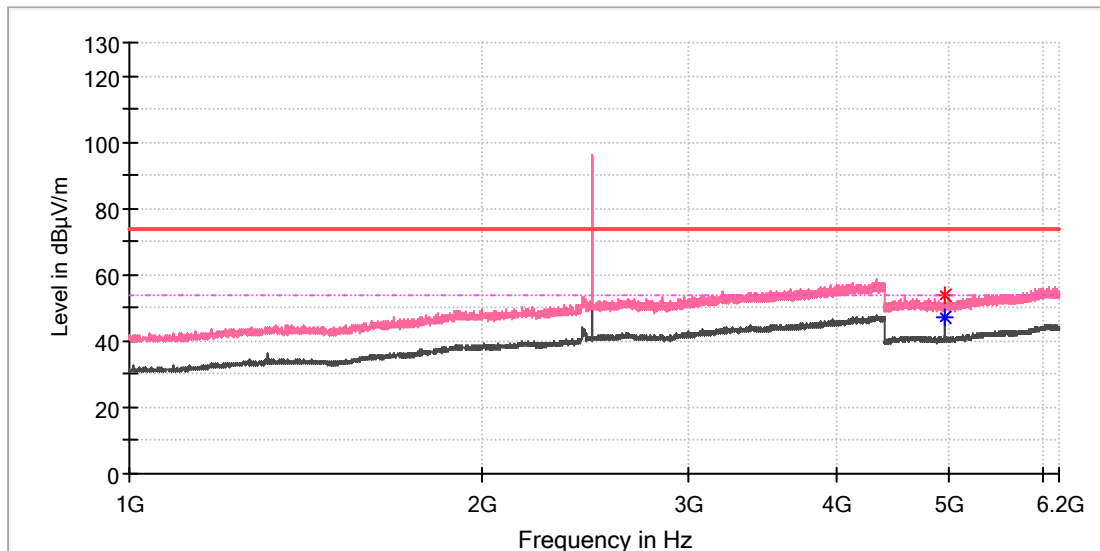
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4960.000000	55.13	---	74.00	18.87	150.0	H	316.0	13.3

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4960.083333	---	50.73	54.00	3.27	150.0	H	316.0	13.3

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BR DH5_High channel
Order No/Sample No:	27225739/A004263143-001
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

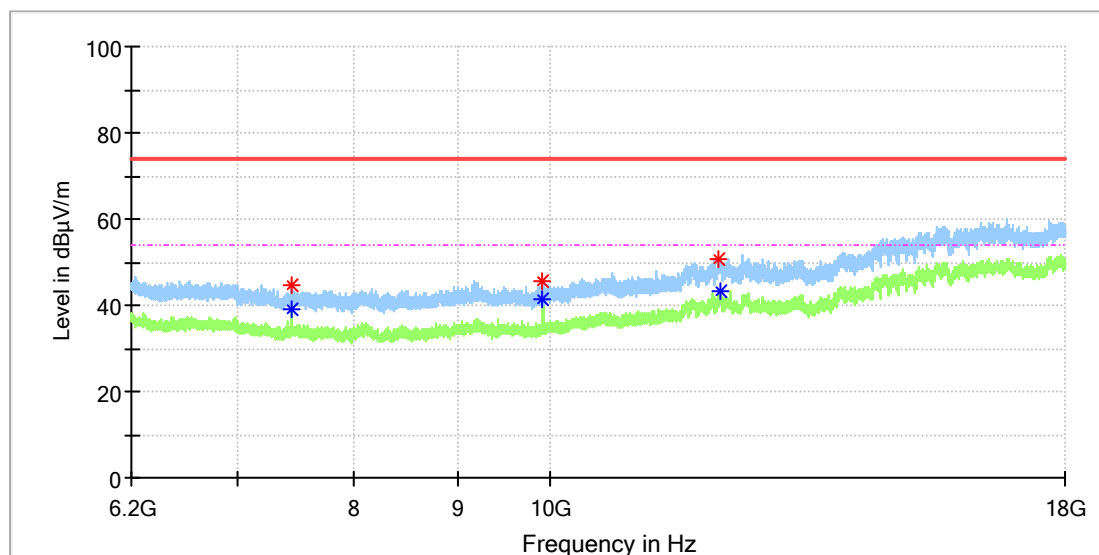
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4960.000000	53.52	---	74.00	20.48	150.0	V	210.0	13.3
4960.000000	---	46.90	54.00	7.10	150.0	V	210.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.75	120.0	110.0	120.0	0.0	100.0	V	0.0	0.0

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BR DH5_High channel
Order No/Sample No:	27225739/A004263143-001
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7439.983333	---	38.96	54.00	15.04	150.0	H	206.0	8.4
7440.966667	44.64	---	74.00	29.36	150.0	H	206.0	8.4
9919.950000	45.68	---	74.00	28.32	150.0	H	222.0	10.8
9919.950000	---	41.44	54.00	12.56	150.0	H	222.0	10.8
12110.816667	50.77	---	74.00	23.23	150.0	H	0.0	15.7
12151.133333	---	43.39	54.00	10.61	150.0	H	83.0	16.7

Final Result

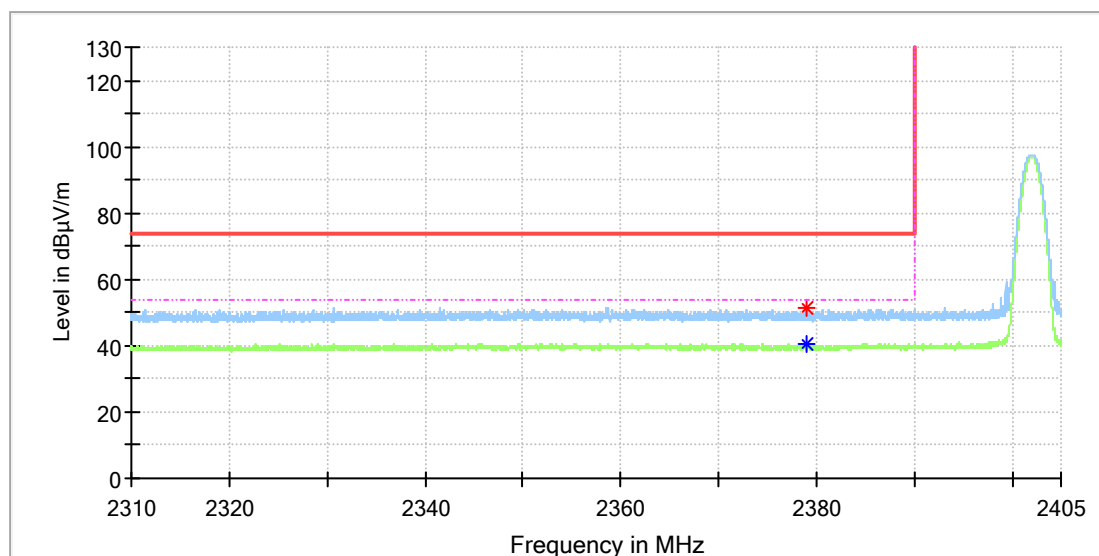
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

Appendix A.9: Test Results of Radiated Emissions in Restricted Bands

For ANT1

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BR DH5_Low channel
Order No/Sample No:	27225739/A004231951-001
Test Voltage:	Battery
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

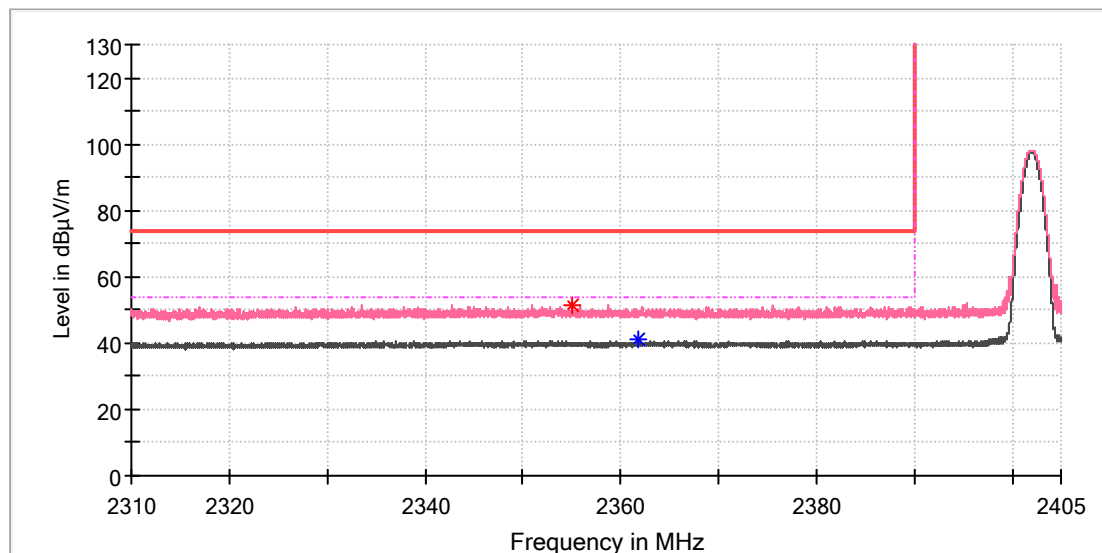
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2378.989118	---	40.57	54.00	13.43	150.0	H	342.0	8.5
2378.989118	51.44	---	74.00	22.56	150.0	H	342.0	8.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BR DH5_Low channel
Order No/Sample No:	27225739/A004231951-001
Test Voltage:	Battery
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

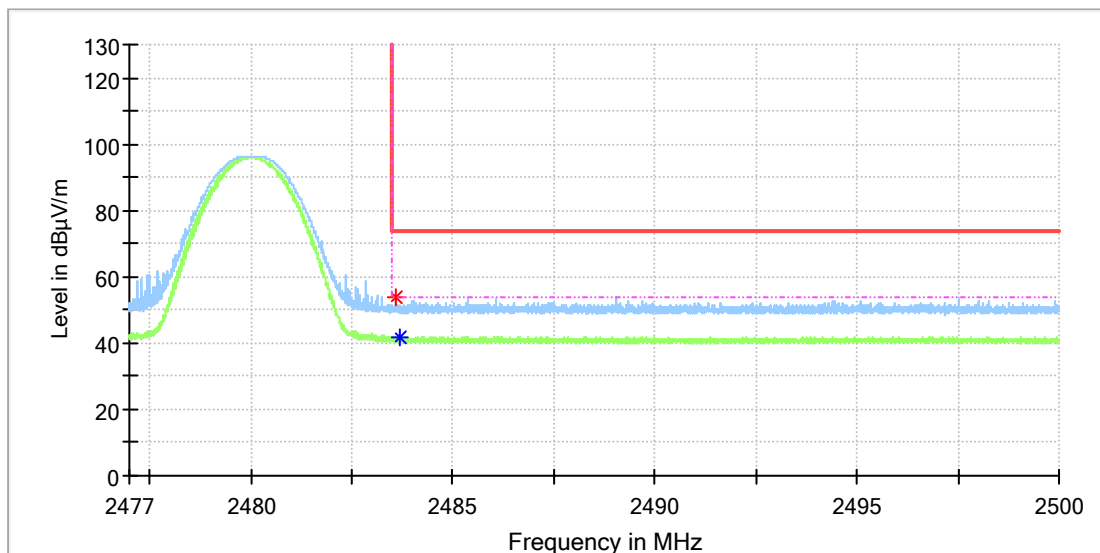
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2355.065588	51.52	---	74.00	22.48	150.0	V	271.0	8.5
2361.824706	---	40.96	54.00	13.04	150.0	V	4.0	8.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.000000	100.000000	100.000000	100.000000	100.000000	100.000000		100.000000	100.000000

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BR DH5_High channel
Order No/Sample No:	27225739/A004231951-001
Test Voltage:	Battery
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

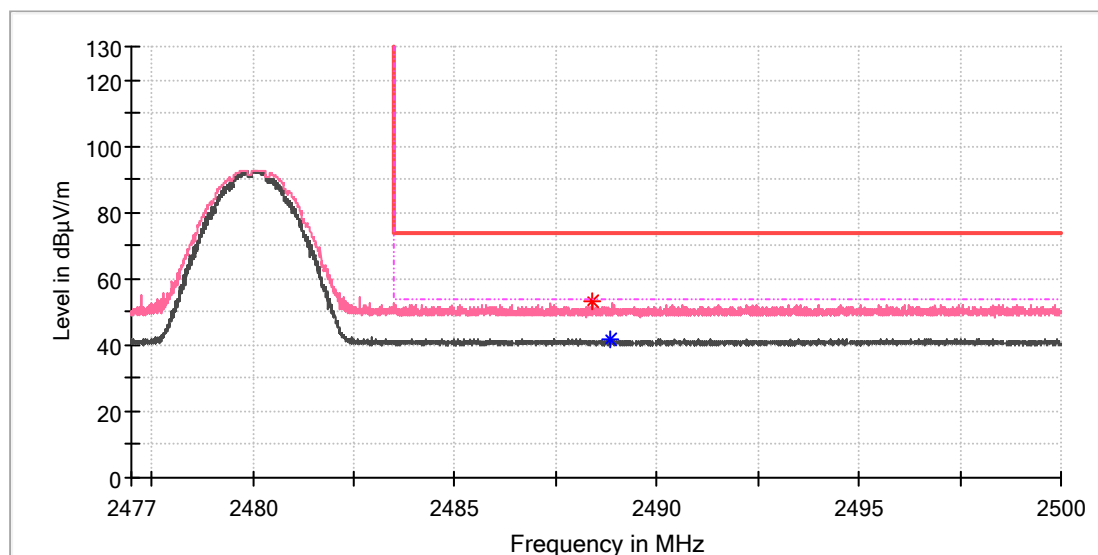
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.595588	53.71	---	74.00	20.29	150.0	H	3.0	9.0
2483.669118	---	41.84	54.00	12.16	150.0	H	327.0	9.0

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.7	118.0	118.0	118.0	0.0	100.0	0	0	0

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BR DH5_High channel
Order No/Sample No:	27225739/A004231951-001
Test Voltage:	Battery
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2488.422794	52.98	---	74.00	21.02	150.0	V	239.0	9.0
2488.841912	---	41.48	54.00	12.52	150.0	V	104.0	9.0

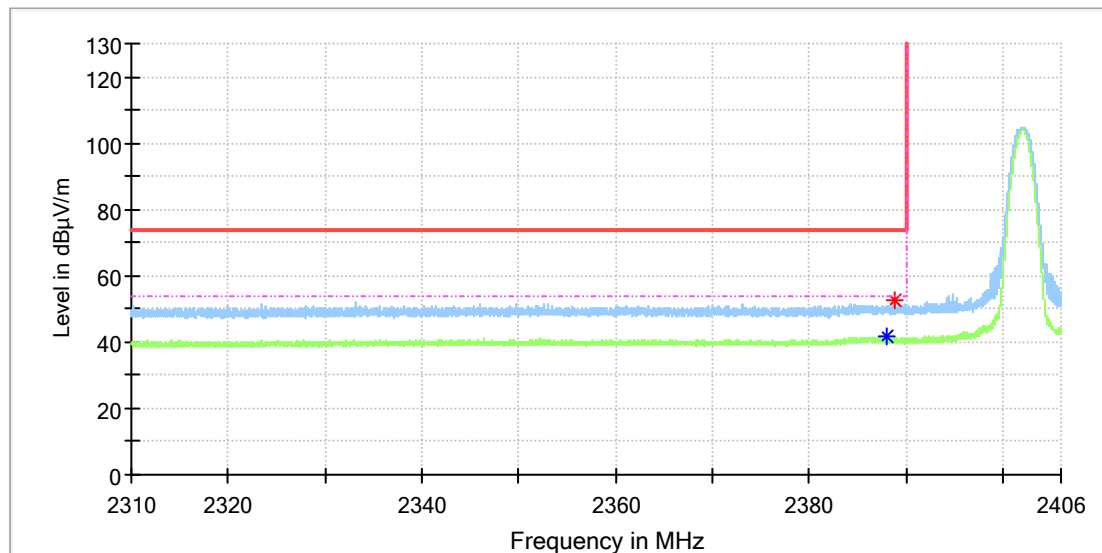
Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.000000	100.000000	100.000000	100.000000	100.000000	100.000000		100.000000	100.000000

For ANT2

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BR DH5_Low channel
Order No/Sample No:	27225739/A004263143-001
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

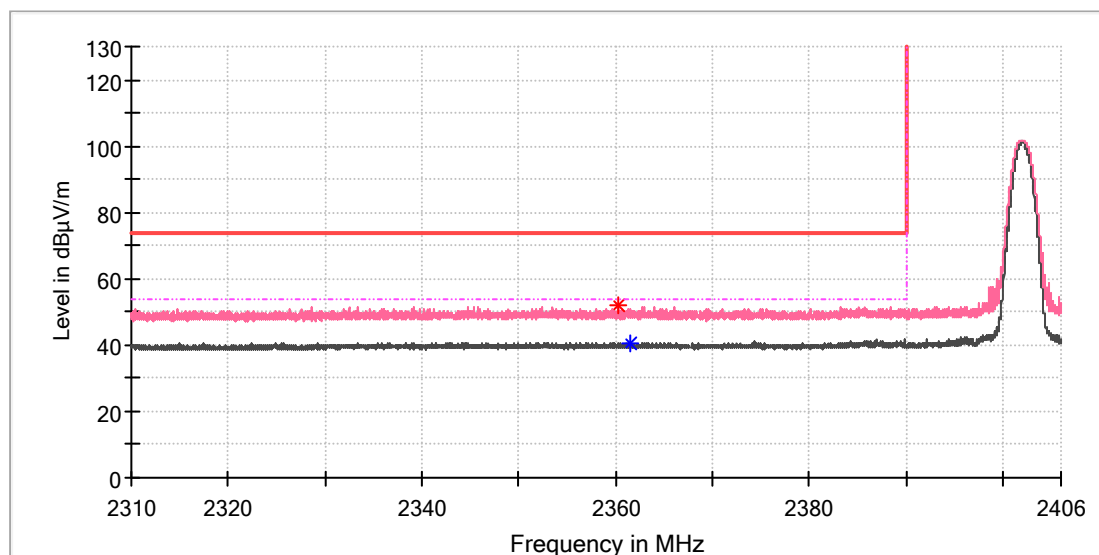
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2387.982059	---	41.50	54.00	12.50	150.0	H	17.0	8.5
2388.760294	52.33	---	74.00	21.67	150.0	H	17.0	8.5

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.00	100.00	100.00	100.00	100.00	100.00		100.00	100.00

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BR DH5_Low channel
Order No/Sample No:	27225739/A004263143-001
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

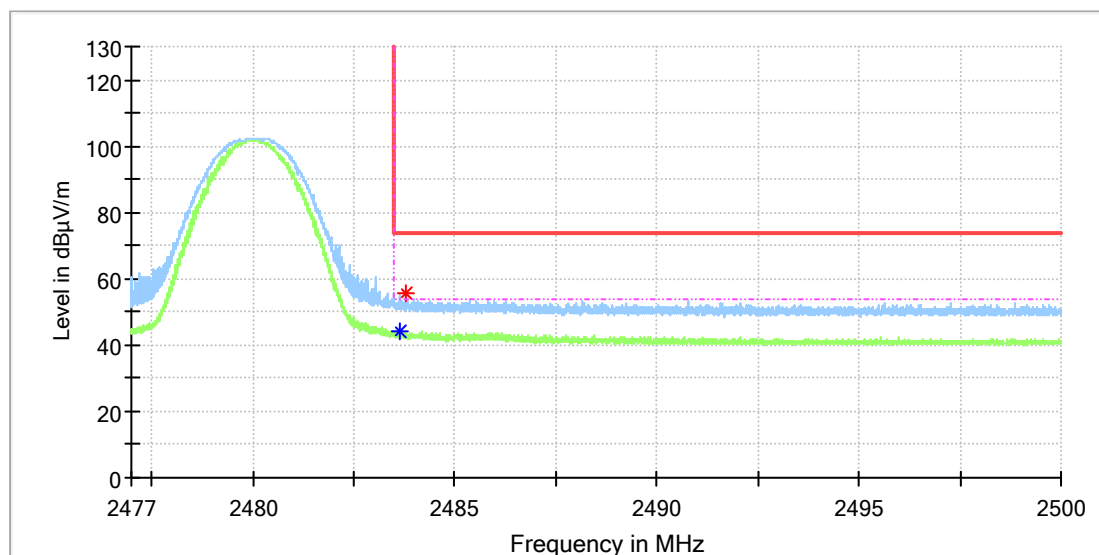
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2360.354706	51.98	---	74.00	22.02	150.0	V	328.0	8.5
2361.550882	---	40.76	54.00	13.24	150.0	V	351.0	8.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.000	100.000	100.000	100.000	100.000	100.000		100.000	100.000

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BR DH5_High channel
Order No/Sample No:	27225739/A004263143-001
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

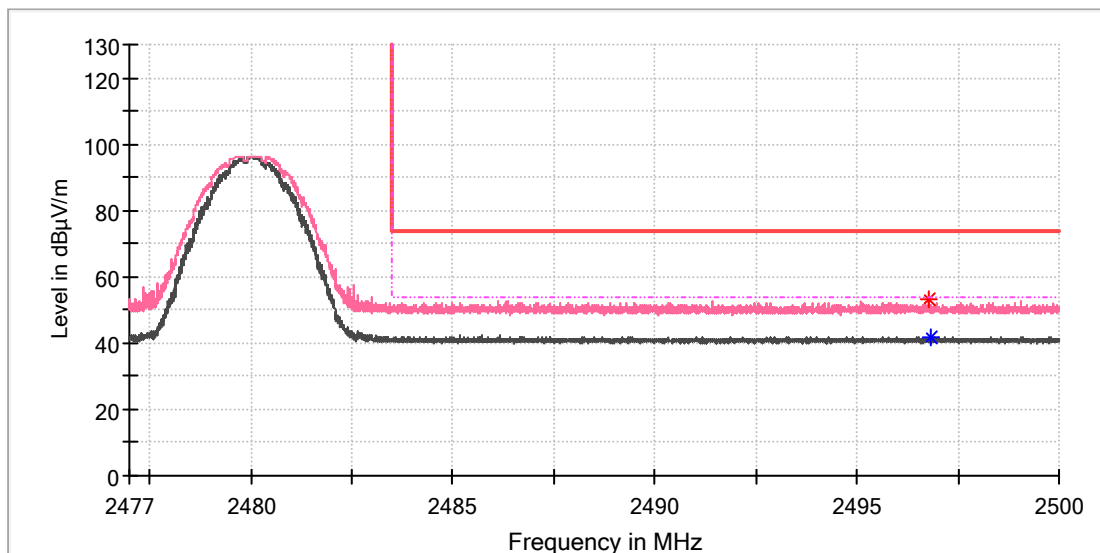
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.639706	---	44.15	54.00	9.85	150.0	H	170.0	9.0
2483.775735	55.67	---	74.00	18.33	150.0	H	177.0	9.0

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.000000	100.000000	100.000000	100.000000	100.000000	100.000000		100.000000	100.000000

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BR DH5_High channel
Order No/Sample No:	27225739/A004263143-001
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2496.797794	53.20	---	74.00	20.80	150.0	V	129.0	9.0
2496.812500	---	41.67	54.00	12.33	150.0	V	1.0	9.0

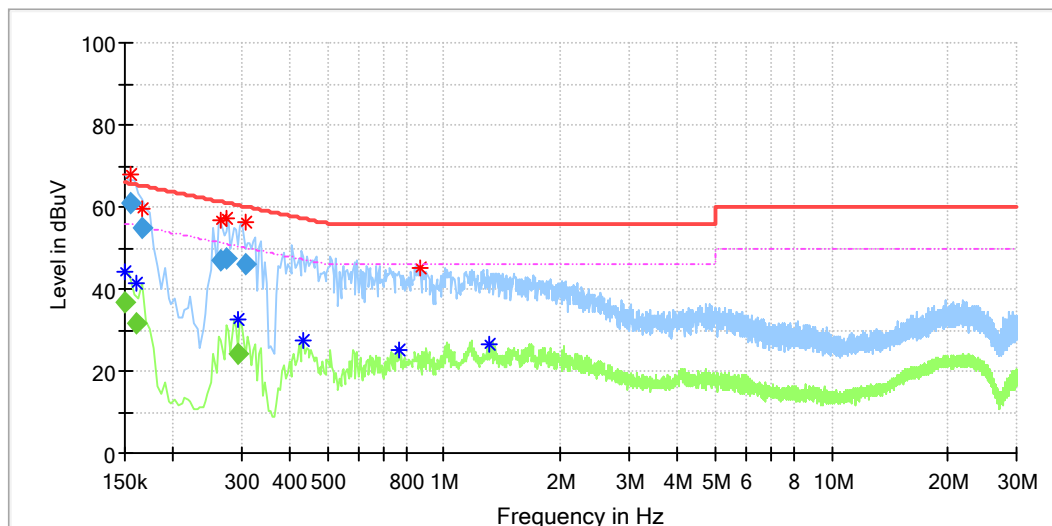
Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.7	122.0	118.0	120.0	2.0	30.0	V	135.0	0.0

Appendix A.10: Test Results of Conducted Emission on AC Mains

EUT Information

EUT Name: Bluetooth Speaker
Order Number: 27225739/A004263143-001
Model: CUB
Test Mode: Charging + BT Link
Test Voltage: AC 120V/ 60Hz
Test Standard: FCC Part 15
Test By:/Review By: Dawn Shen / Charlie Zha
Tem./Hum./Pressure: 24.0°C/51.1%/101kPa
Remark: SR 3



Critical_Freqs

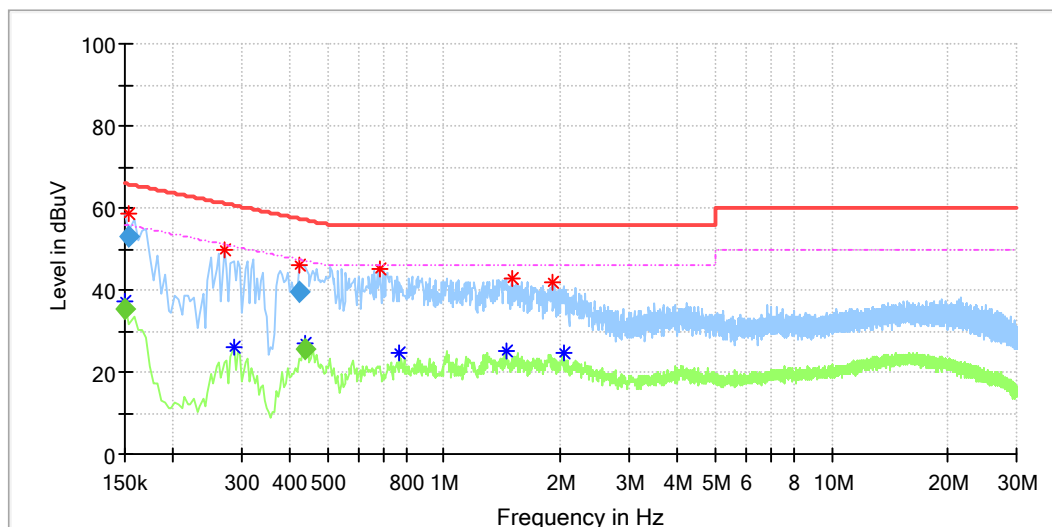
Frequency (MHz)	MaxPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
0.150	---	44.0	55.78	11.82	L1	9.6
0.155	68.1	---	66.00	-2.07	L1	9.5
0.162	---	41.2	55.16	13.97	L1	9.6
0.166	59.5	---	64.96	5.51	L1	9.6
0.266	56.6	---	61.37	4.73	L1	9.7
0.274	57.3	---	60.88	3.55	L1	9.6
0.294	---	32.5	50.30	17.83	L1	9.6
0.307	56.3	---	60.19	3.92	L1	9.6
0.434	---	27.6	47.18	19.62	L1	9.5
0.766	---	25.0	46.00	20.99	L1	9.7
0.870	45.1	---	56.00	10.89	L1	9.7
1.310	---	26.5	46.00	19.55	L1	9.6

Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.150	---	36.6	56.00	19.42	1000.0	9.0	L1	9.5
0.155	61.0	---	65.75	4.75	1000.0	9.0	L1	9.6
0.162	---	31.6	55.39	23.83	1000.0	9.0	L1	9.6
0.166	55.0	---	65.18	10.19	1000.0	9.0	L1	9.6
0.266	46.9	---	61.26	14.36	1000.0	9.0	L1	9.6
0.274	47.3	---	61.01	13.75	1000.0	9.0	L1	9.6
0.294	---	24.1	50.43	26.35	1000.0	9.0	L1	9.6
0.307	46.0	---	60.07	14.02	1000.0	9.0	L1	9.6

EUT Information

EUT Name: Bluetooth Speaker
Order Number: 27225739/A004263143-001
Model: CUB
Test Mode: Charging + BT Link
Test Voltage: AC 120V/ 60Hz
Test Standard: FCC Part 15
Test By:/Review By: Dawn Shen / Charlie Zha
Tem./Hum./Pressure: 24.0°C/51.1%/101kPa
Remark: SR 3



Critical Freqs

Frequency (MHz)	MaxPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
0.150	---	37.2	56.00	18.78	N	9.7
0.154	58.8	---	66.00	7.20	N	9.7
0.270	49.7	---	61.12	11.44	N	9.9
0.286	---	26.1	50.64	24.58	N	9.9
0.422	46.1	---	57.33	11.23	N	9.9
0.439	---	26.9	47.18	20.30	N	9.9
0.686	45.1	---	56.00	10.92	N	9.9
0.766	---	24.5	46.00	21.47	N	9.8
1.442	---	25.1	46.00	20.89	N	9.9
1.494	42.7	---	56.00	13.35	N	9.9
1.902	41.9	---	56.00	14.08	N	10.0
2.034	---	24.8	46.00	21.20	N	10.0

Final Result

Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.150	---	35.2	56.00	20.78	1000.0	9.0	N	9.7
0.154	53.2	---	65.78	12.62	1000.0	9.0	N	9.8
0.422	39.6	---	57.42	17.79	1000.0	9.0	N	9.9
0.439	---	25.6	47.09	21.51	1000.0	9.0	N	9.9

Appendix B: Test Results of Bluetooth LE

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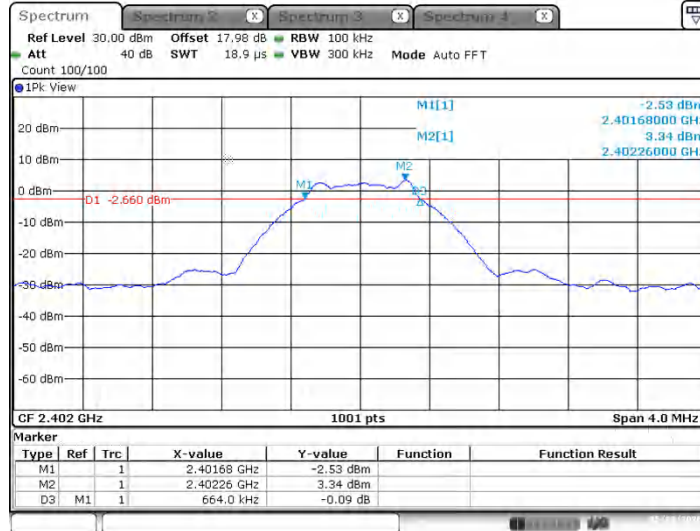
Appendix B.1: Test Results of 6dB Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.66	2401.68	2402.34	0.5	PASS
		2440	0.66	2439.68	2440.34	0.5	PASS
		2480	0.66	2479.68	2480.34	0.5	PASS
BLE_2M	Ant1	2402	1.24	2401.36	2402.60	0.5	PASS
		2440	1.24	2439.36	2440.60	0.5	PASS
		2480	1.23	2479.37	2480.60	0.5	PASS

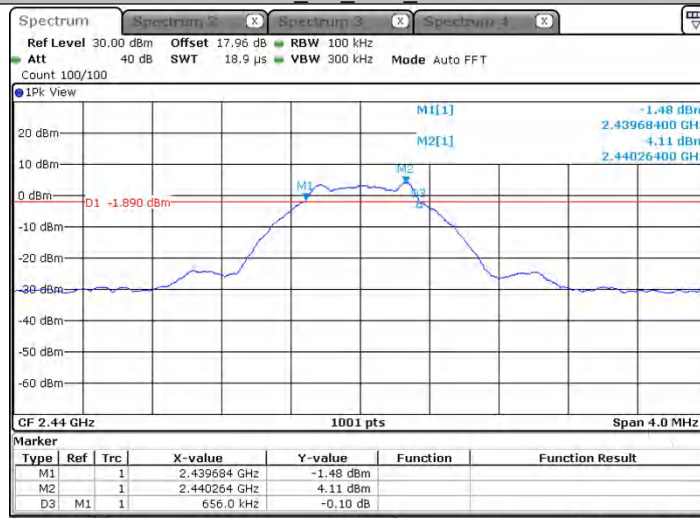
Test Graphs

BLE_1M_Ant1_2402



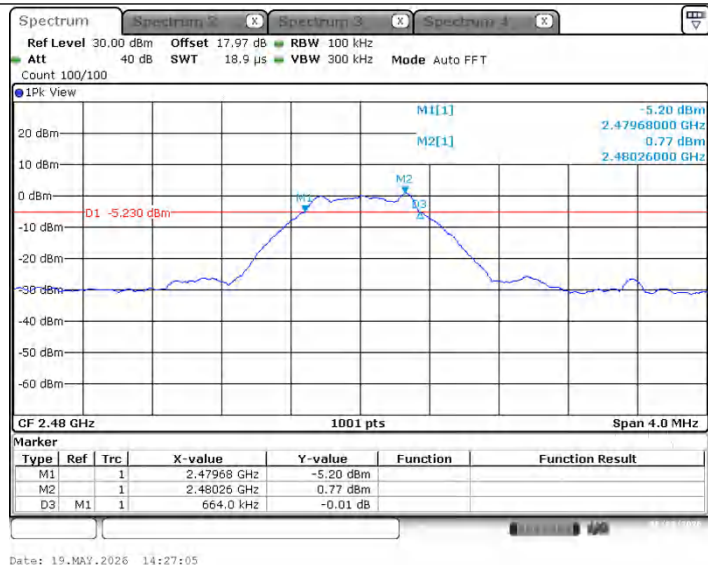
Date: 19.MAY.2026 14:22:28

BLE_1M_Ant1_2440

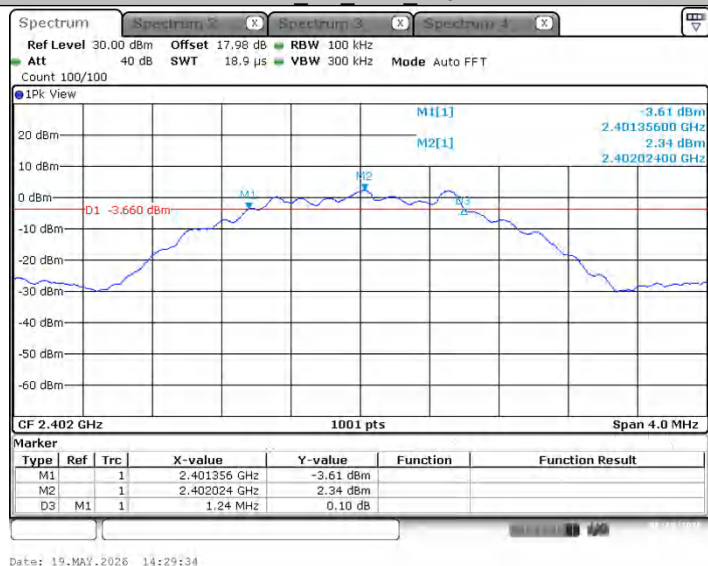


Date: 19.MAY.2026 14:24:57

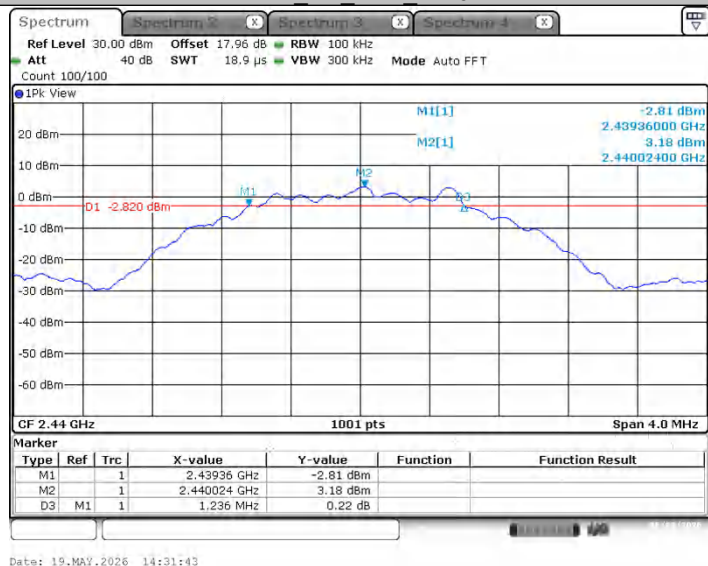
BLE_1M_Ant1_2480



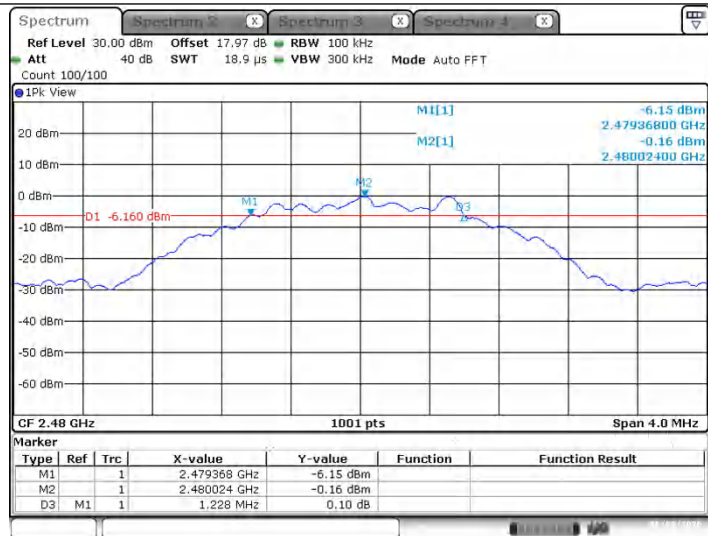
BLE 2M Ant1 2402



BLE 2M Ant1 2440



BLE 2M Ant1 2480



Date: 19.MAY.2026 14:33:45

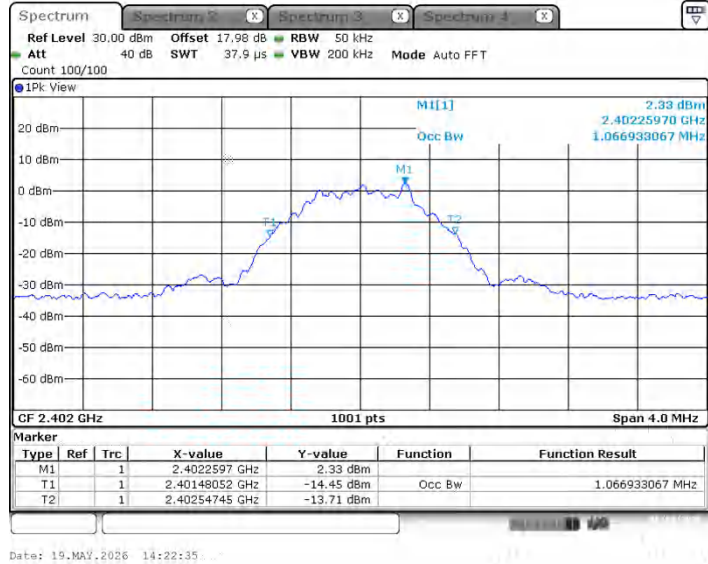
Appendix B.2: Test Results of 99% Bandwidth

Test Result

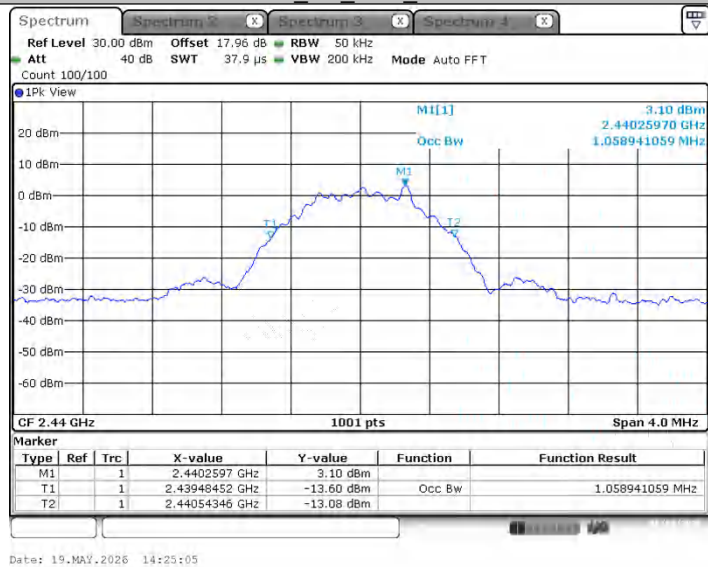
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0669	2401.4805	2402.5475	---	PASS
		2440	1.0589	2439.4845	2440.5435	---	PASS
		2480	1.1029	2479.4605	2480.5634	---	PASS
BLE_2M	Ant1	2402	2.0899	2400.9770	2403.0669	---	PASS
		2440	2.0819	2438.9850	2441.0669	---	PASS
		2480	2.1419	2478.9530	2481.0949	---	PASS

Test Graphs

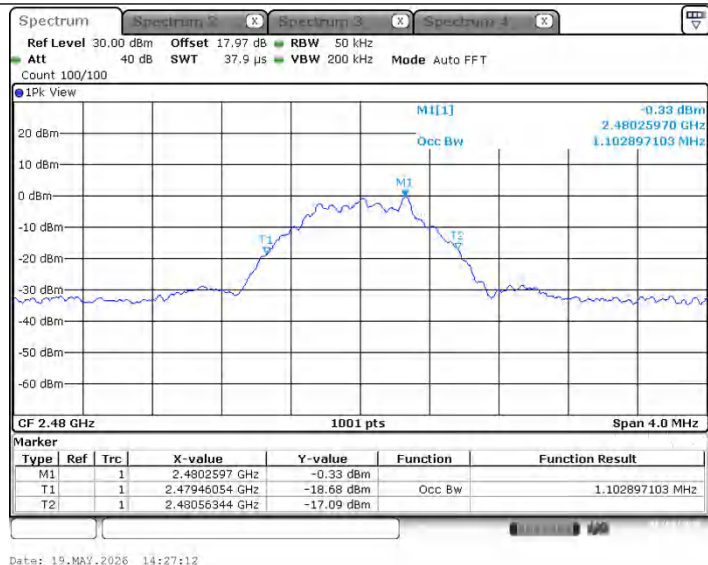
BLE_1M_Ant1_2402



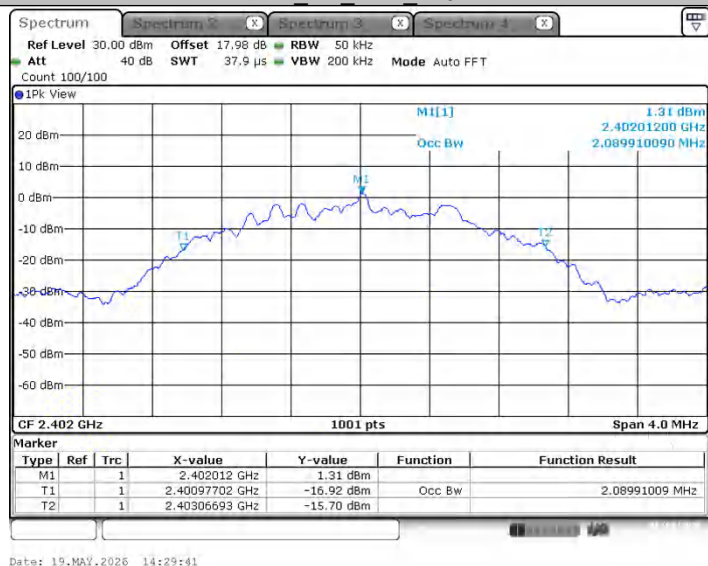
BLE_1M_Ant1_2440



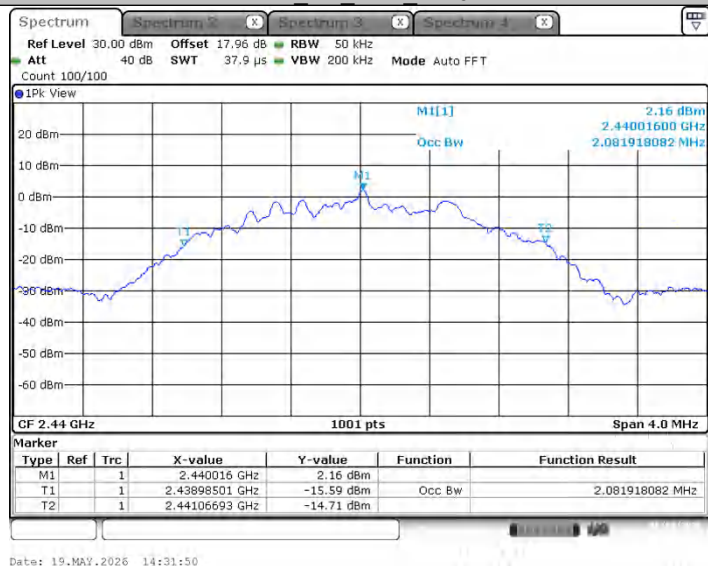
BLE_1M_Ant1_2480



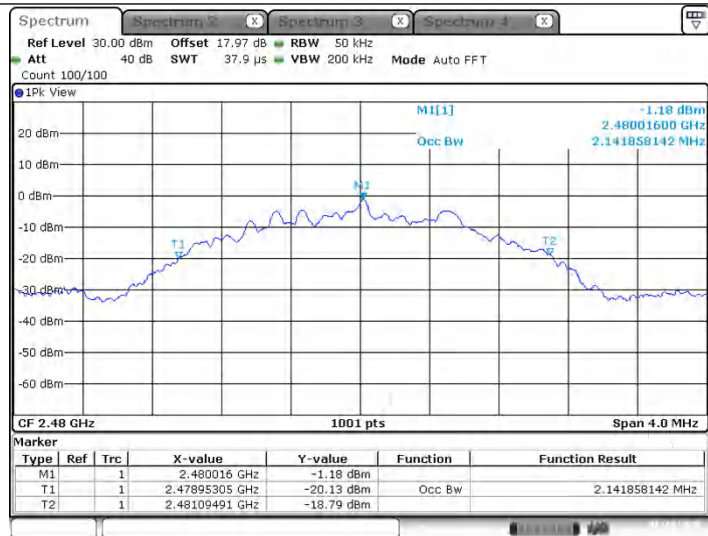
BLE 2M Ant1 2402



BLE 2M Ant1 2440



BLE 2M Ant1 2480



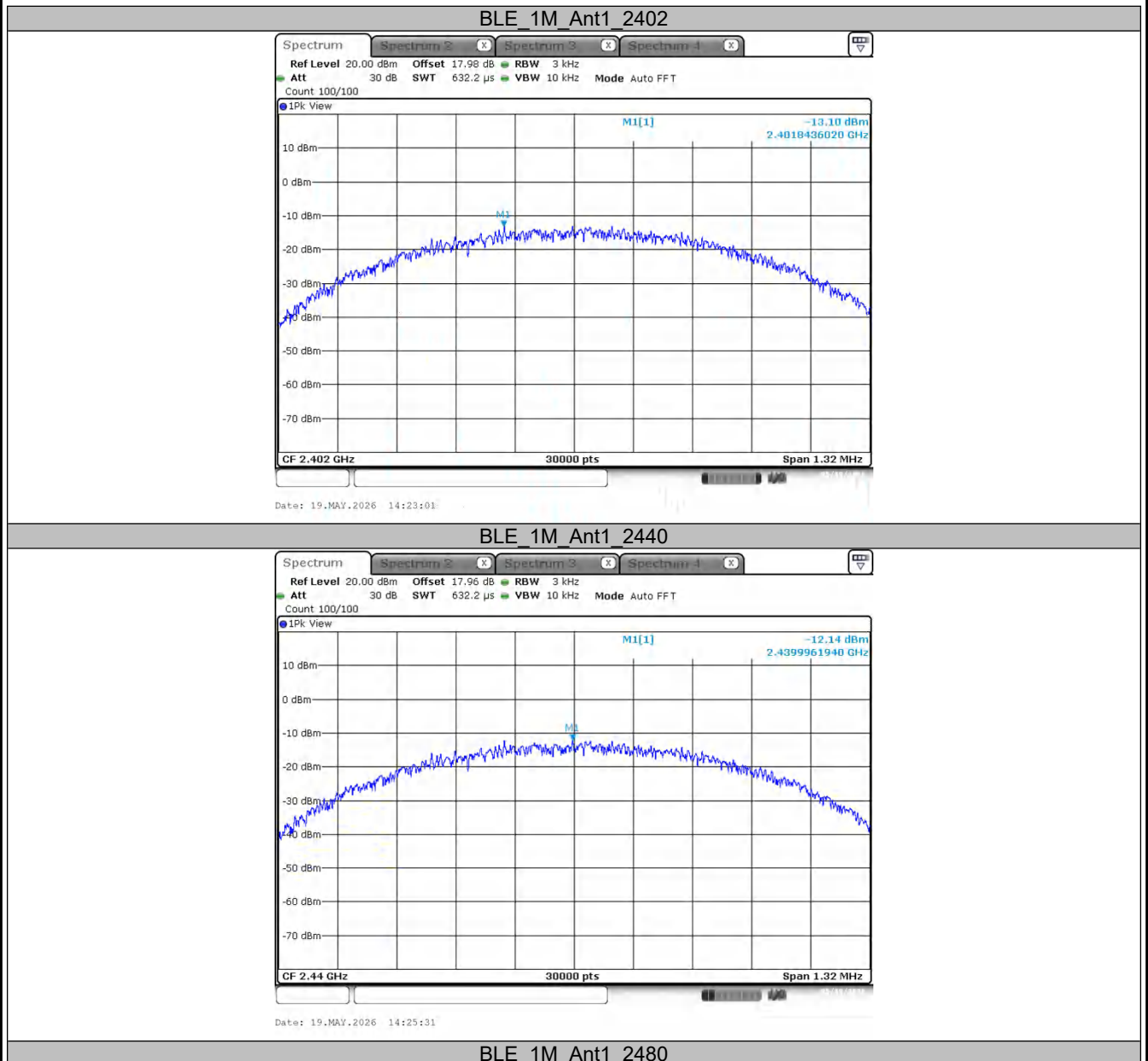
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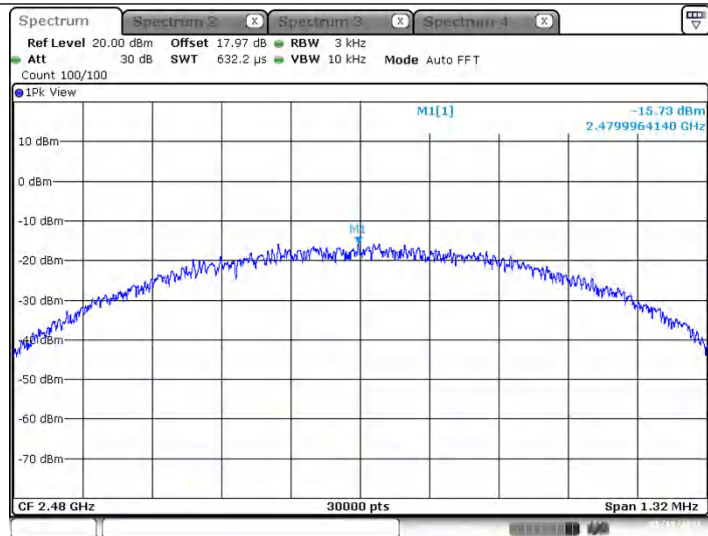
Appendix B.3: Test Results of Conducted Power Spectral Density

Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.10	≤8.00	PASS
		2440	-12.14	≤8.00	PASS
		2480	-15.73	≤8.00	PASS
BLE_2M	Ant1	2402	-15.74	≤8.00	PASS
		2440	-14.84	≤8.00	PASS
		2480	-18.35	≤8.00	PASS

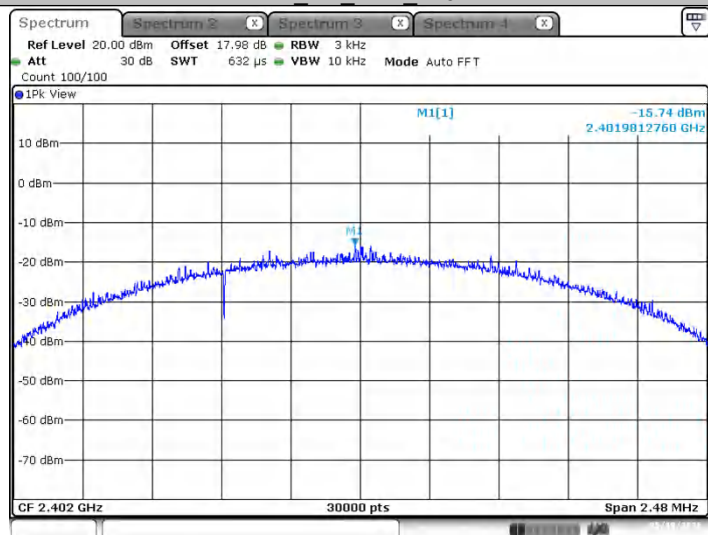
Test Graphs





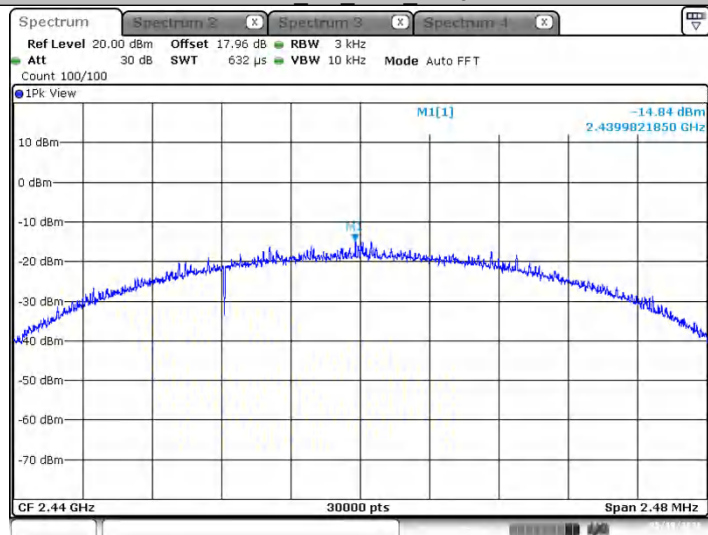
Date: 19.MAY.2026 14:27:38

BLE 2M Ant1 2402



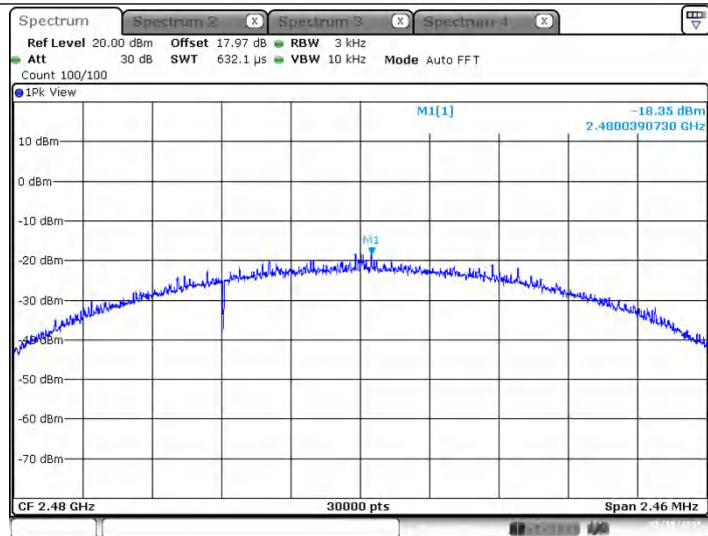
Date: 19.MAY.2026 14:30:06

BLE 2M Ant1 2440



Date: 19.MAY.2026 14:32:15

BLE 2M Ant1 2480

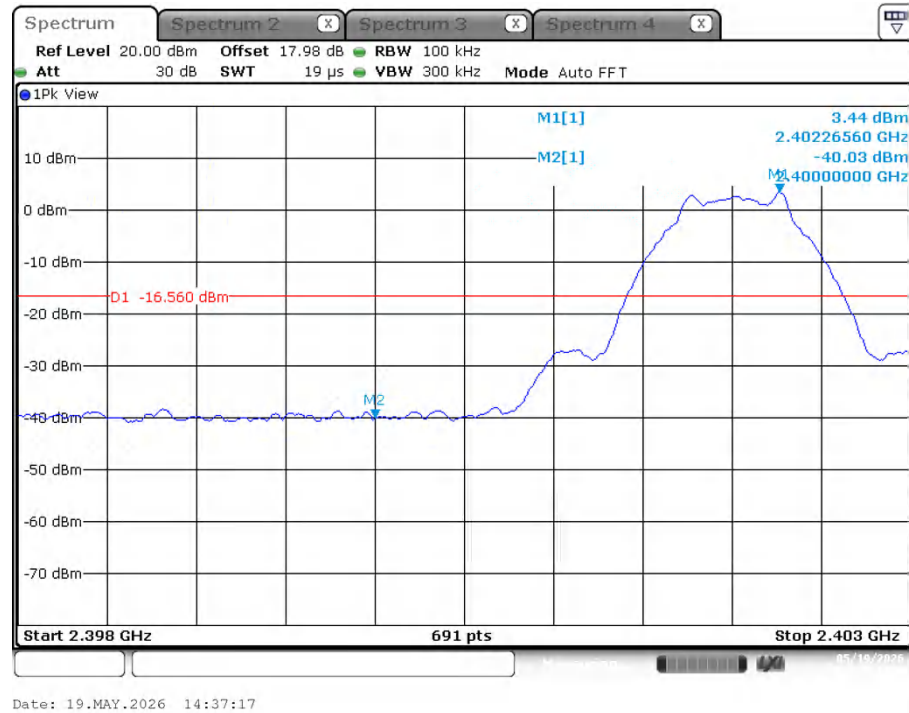


Date: 19.MAY.2026 14:34:17

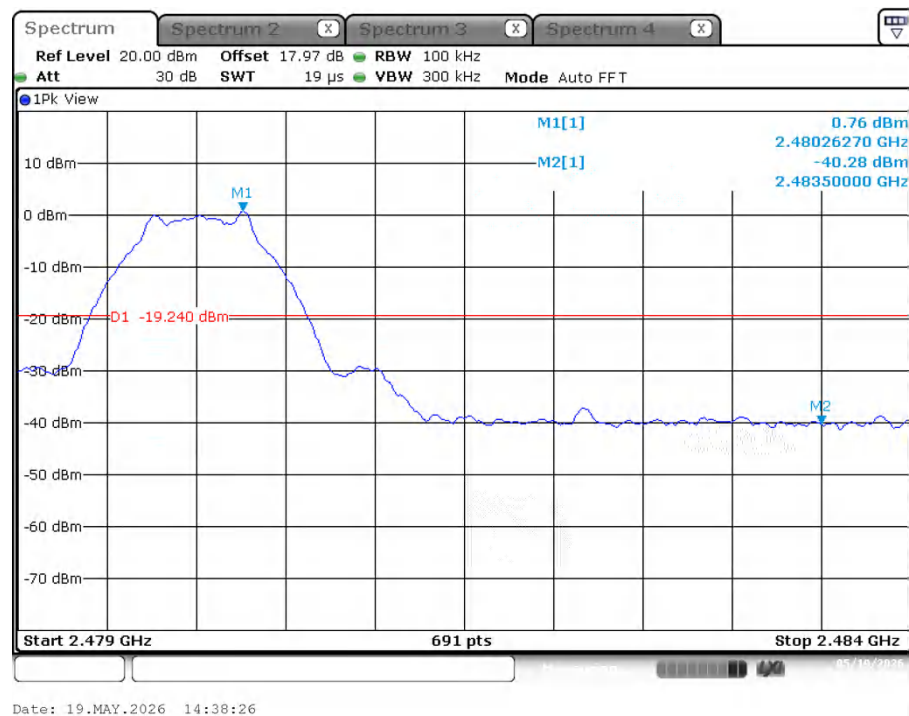
Appendix B.4: Test Results of Band Edge Measurements

Bluetooth LE, 1Mbps

Low Channel

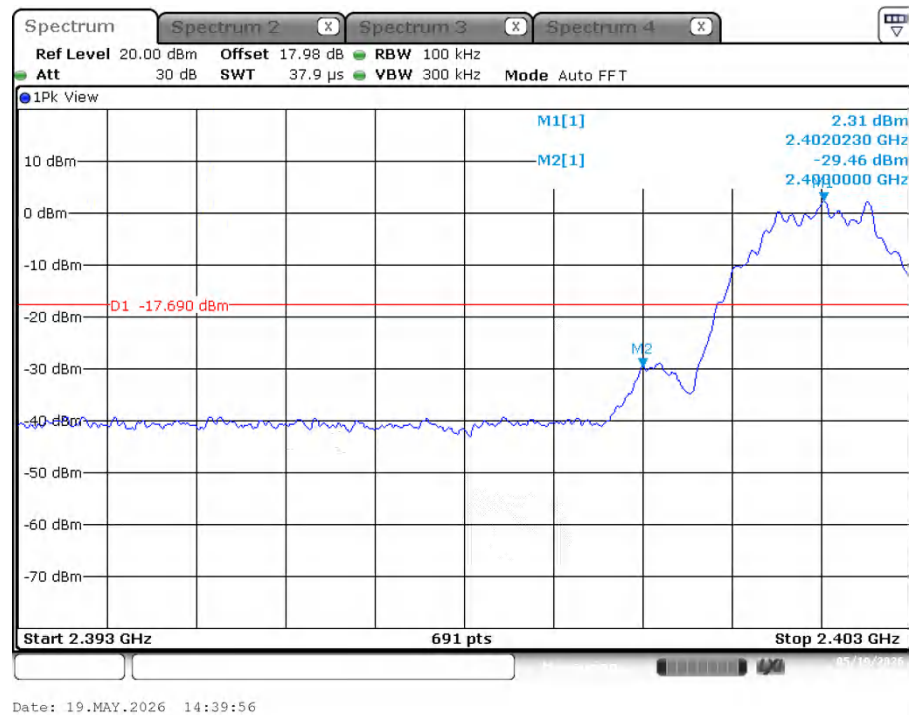


High Channel

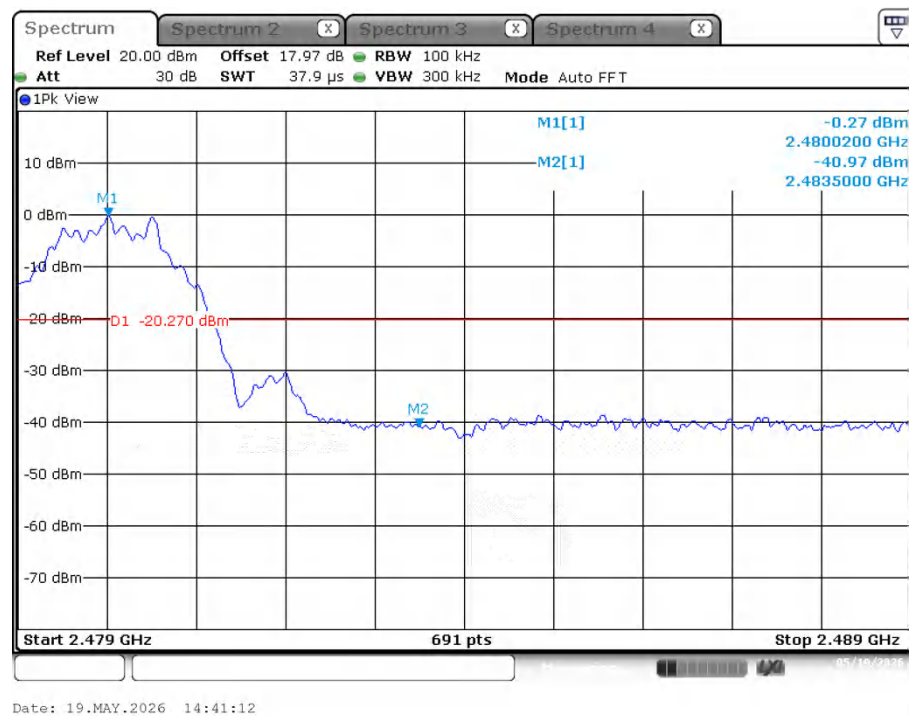


Bluetooth LE, 2Mbps

Low Channel



High Channel

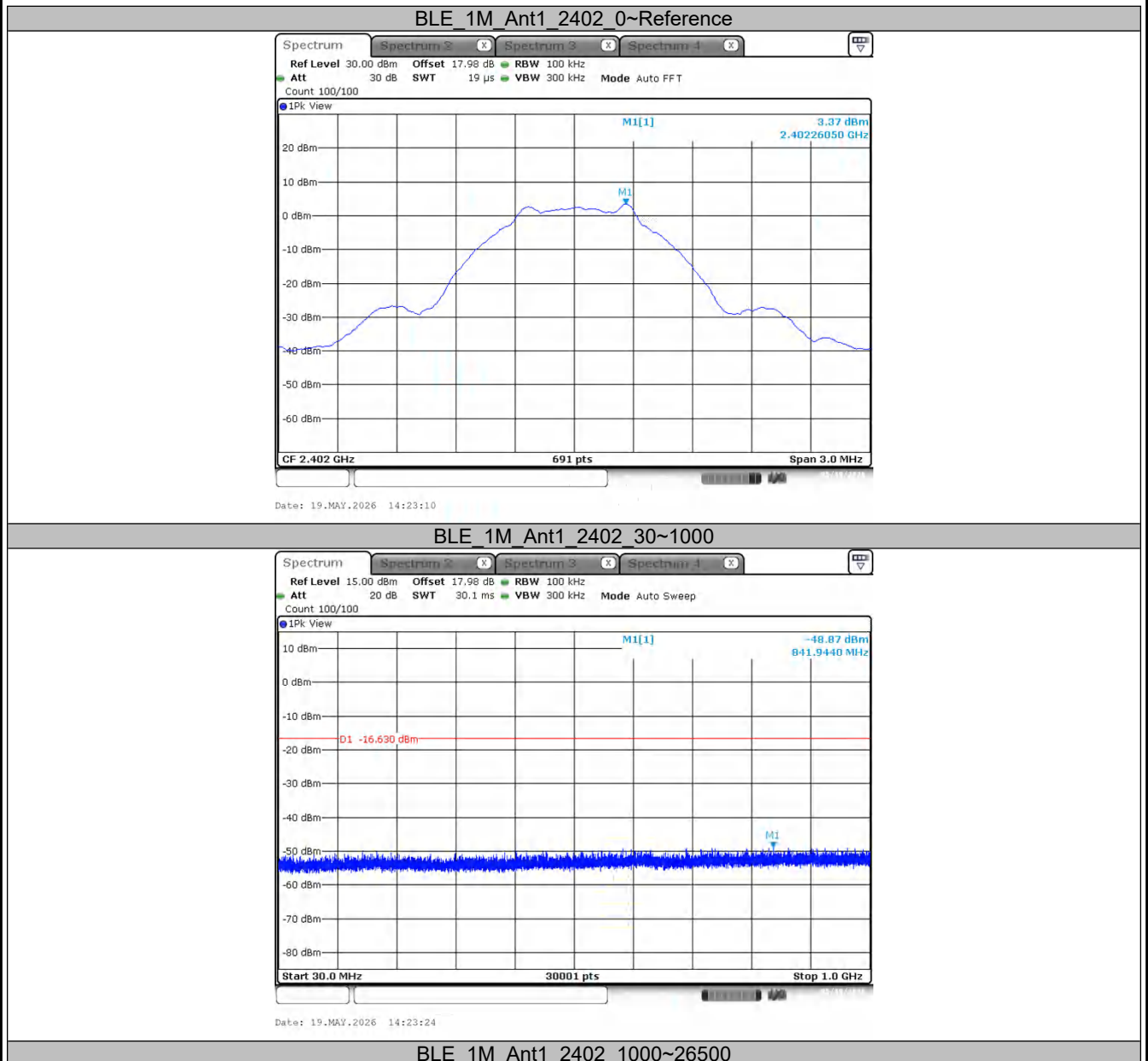


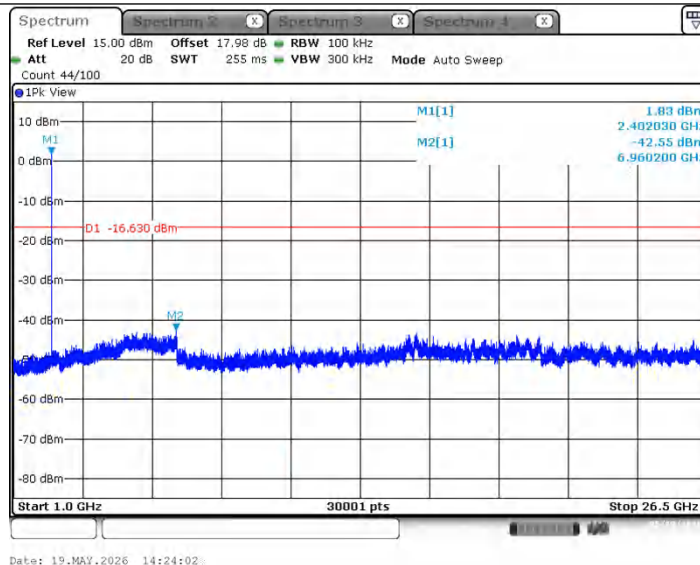
Appendix B.5: Test Results of Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	3.37	3.37	---	PASS
			30~1000	3.37	-48.87	≤-16.63	PASS
			1000~26500	3.37	-42.55	≤-16.63	PASS
		2440	Reference	4.12	4.12	---	PASS
			30~1000	4.12	-48.68	≤-15.88	PASS
			1000~26500	4.12	-42.8	≤-15.88	PASS
		2480	Reference	0.72	0.72	---	PASS
			30~1000	0.72	-48.69	≤-19.28	PASS
			1000~26500	0.72	-43.14	≤-19.28	PASS
BLE_2M	Ant1	2402	Reference	2.35	2.35	---	PASS
			30~1000	2.35	-48.3	≤-17.65	PASS
			1000~26500	2.35	-42.92	≤-17.65	PASS
		2440	Reference	3.19	3.19	---	PASS
			30~1000	3.19	-48.13	≤-16.81	PASS
			1000~26500	3.19	-41.16	≤-16.81	PASS
		2480	Reference	-0.26	-0.26	---	PASS
			30~1000	-0.26	-48.77	≤-20.26	PASS
			1000~26500	-0.26	-41.57	≤-20.26	PASS

Test Graphs

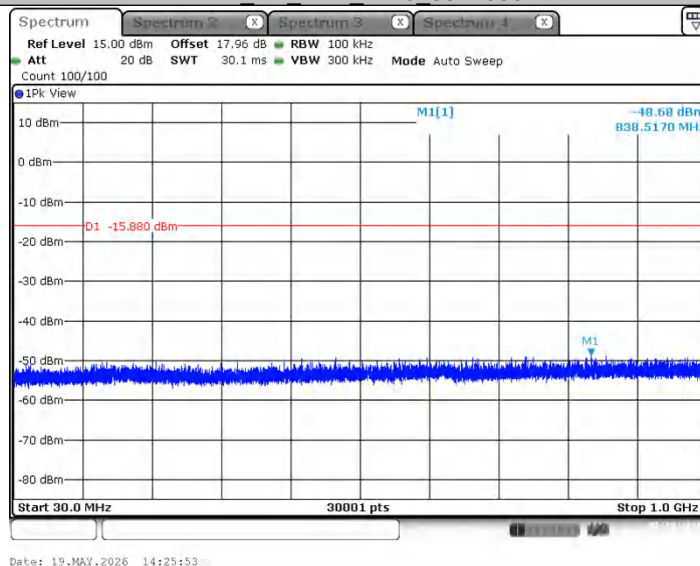




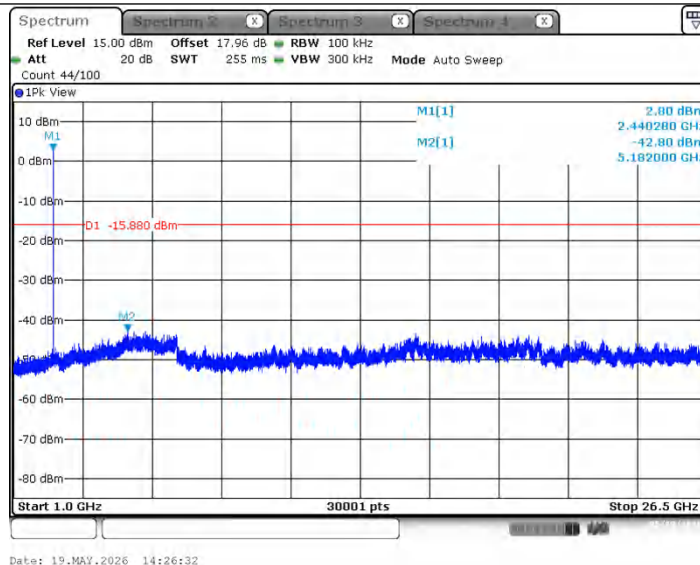
BLE_1M_Ant1_2440_0~Reference



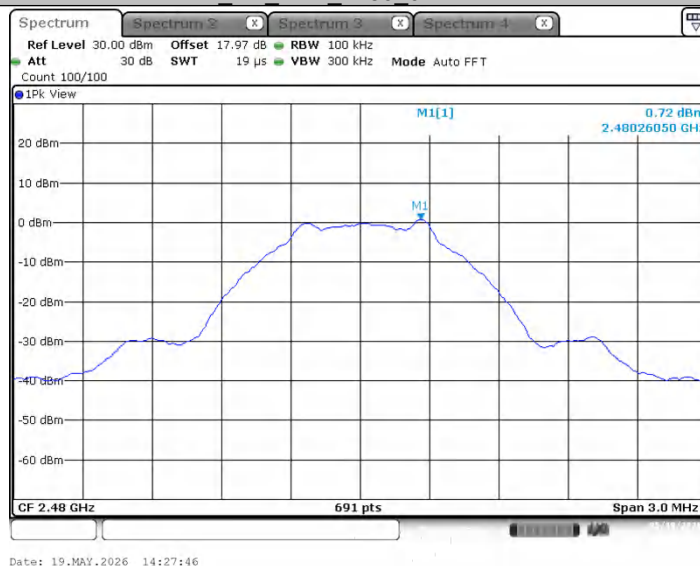
BLE_1M_Ant1_2440_30~1000



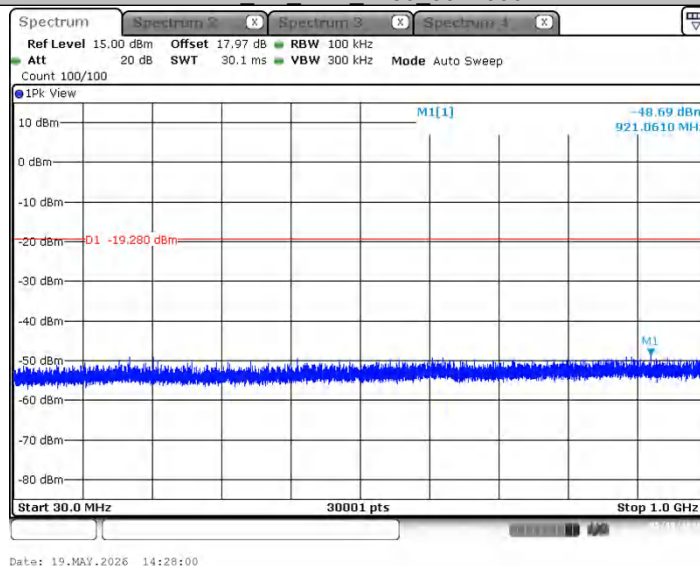
BLE_1M_Ant1_2440_1000~26500



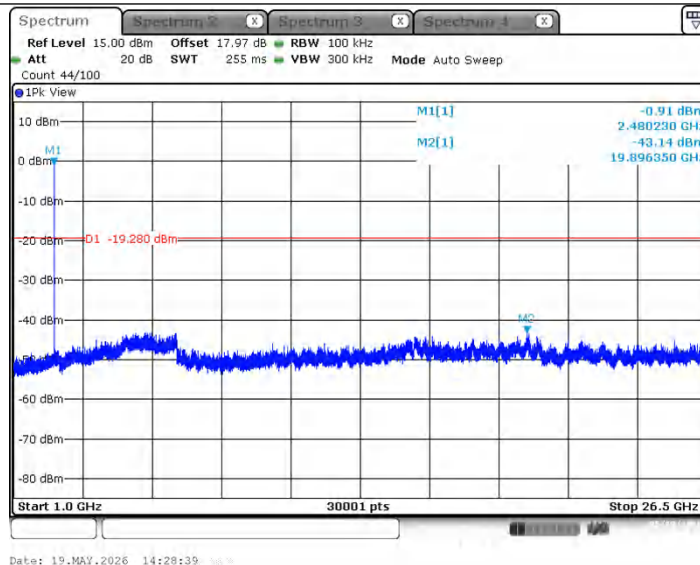
BLE_1M_Ant1_2480_0~Reference



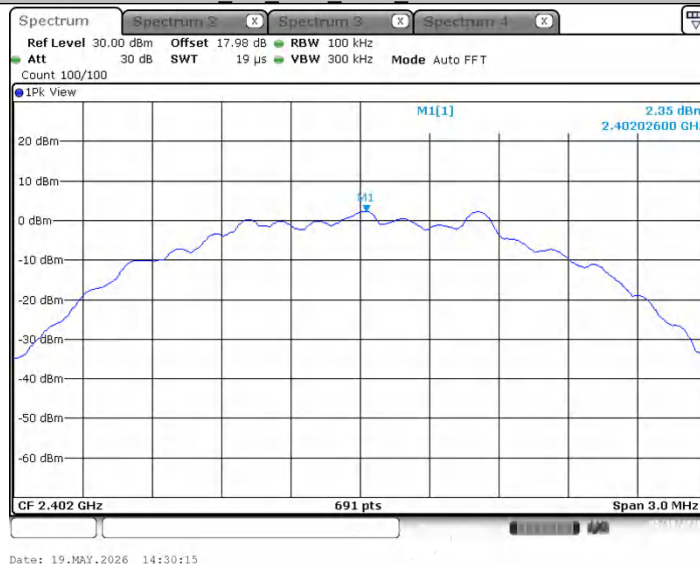
BLE_1M_Ant1_2480_30~1000



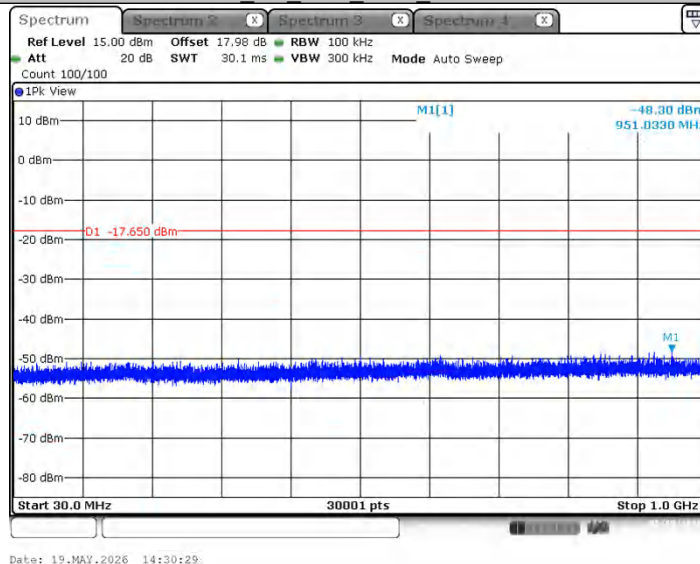
BLE_1M_Ant1_2480_1000~26500



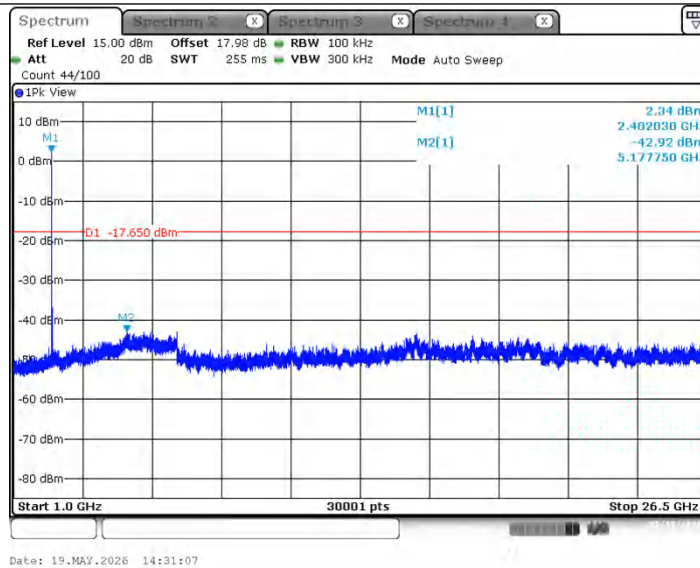
BLE_2M_Ant1_2402_0~Reference



BLE_2M_Ant1_2402_30~1000



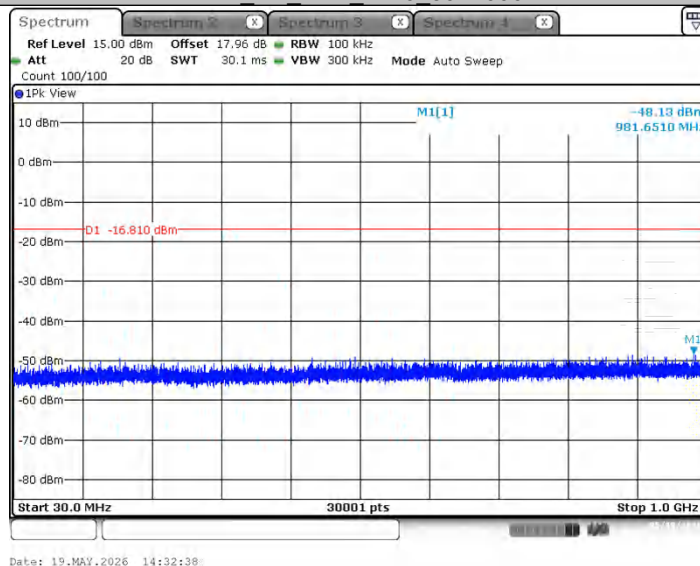
BLE_2M_Ant1_2402_1000~26500



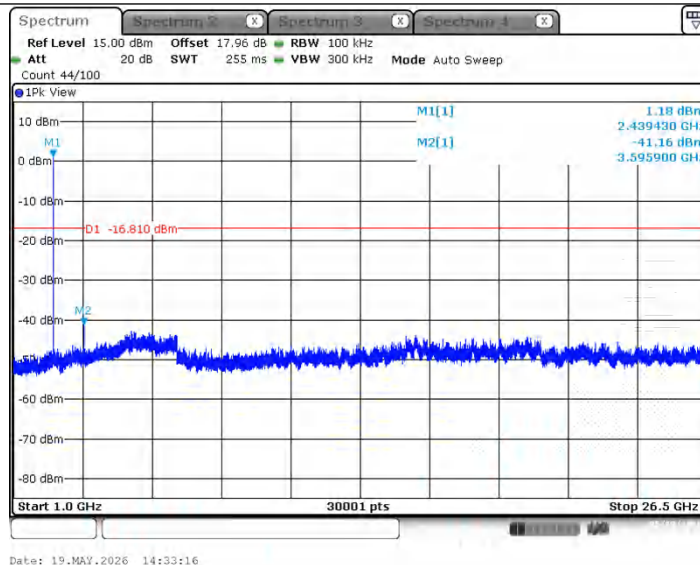
BLE_2M_Ant1_2440_0~Reference



BLE_2M_Ant1_2440_30~1000



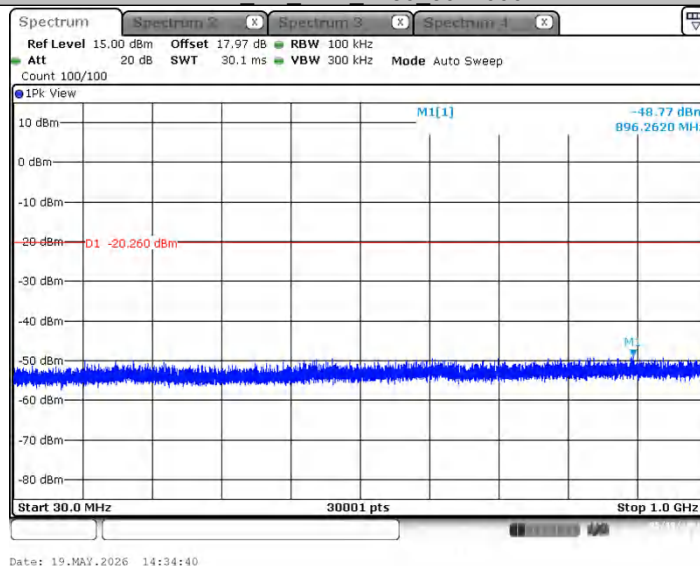
BLE_2M_Ant1_2440_1000~26500



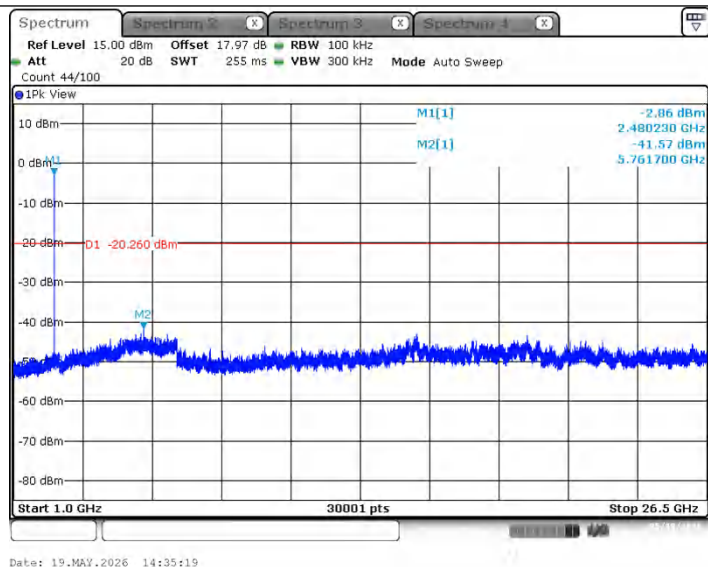
BLE_2M_Ant1_2480_0~Reference



BLE_2M_Ant1_2480_30~1000



BLE_2M_Ant1_2480_1000~26500



Appendix B.6: Test Results of Radiated Spurious Emissions

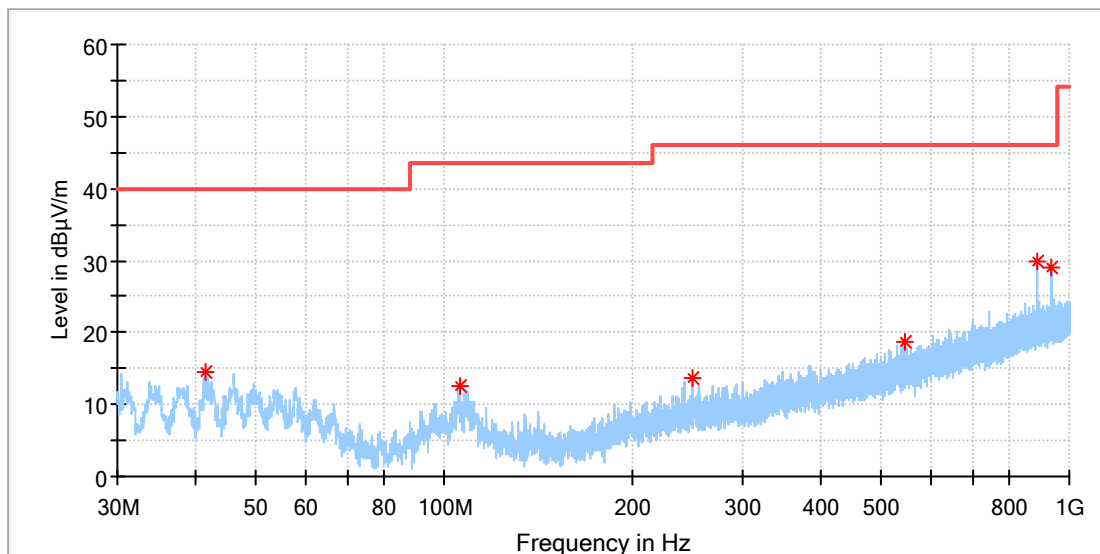
Note:

- 1) This testing was carried out on different modulations, but only the worst case was presented in this report.
- 2) Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

30MHz - 1GHz for ANT1

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	27225739/A004231951-001
Test Voltage:	Battery
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

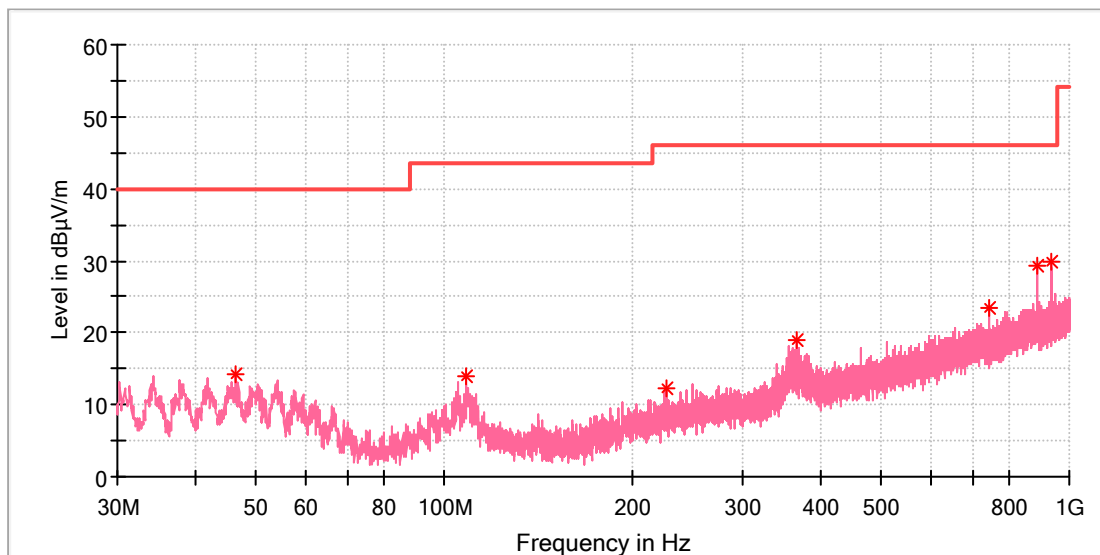
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
41.424444	14.47	40.00	25.53	100.0	H	231.0	-19.8
106.091111	12.67	43.50	30.83	100.0	H	141.0	-19.0
250.028333	13.67	46.00	32.33	100.0	H	149.0	-17.4
547.441111	18.61	46.00	27.39	100.0	H	40.0	-10.8
890.982778	29.86	46.00	16.14	100.0	H	89.0	-4.9
938.458889	29.07	46.00	16.93	100.0	H	80.0	-4.4

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Bluetooth Speaker
Model: CUB
Test Mode: BLE 1M_Mid channel
Order No/Sample No: 27225739/A004231951-001
Test Voltage: Battery
Remark: Temp 23.8°C Humi:57%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

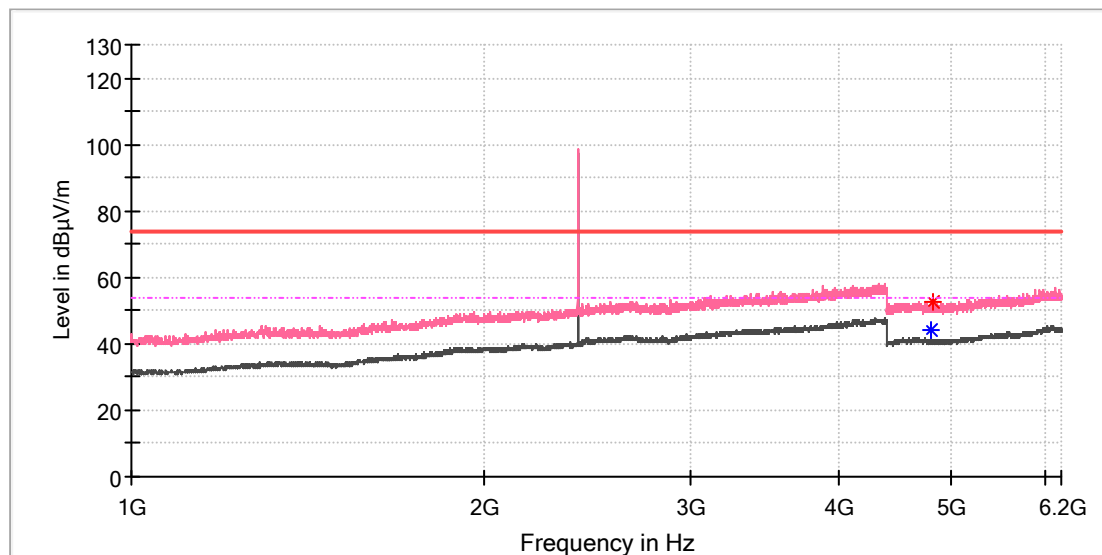
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
46.274444	14.12	40.00	25.88	100.0	V	0.0	-18.7
108.354444	14.07	43.50	29.43	100.0	V	232.0	-19.1
226.155556	12.32	46.00	33.68	100.0	V	178.0	-18.3
365.404444	19.06	46.00	26.94	100.0	V	0.0	-14.5
742.518889	23.55	46.00	22.45	100.0	V	193.0	-7.2
890.982778	29.39	46.00	16.61	100.0	V	87.0	-4.9
938.405000	29.88	46.00	16.12	100.0	V	240.0	-4.4

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	27225739/A004231951-001
Test Voltage:	Battery
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

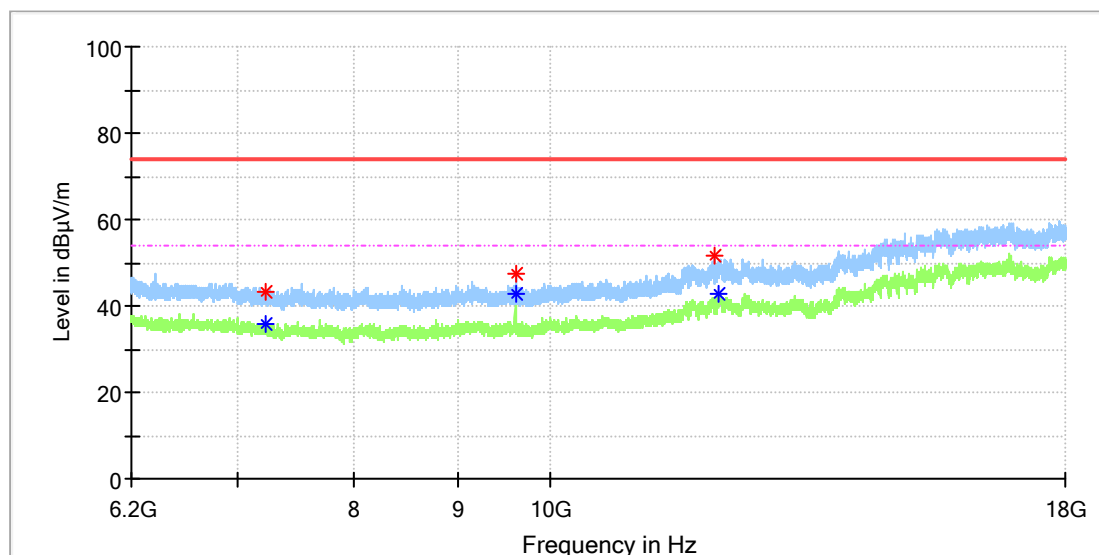
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4804.000000	---	43.90	54.00	10.10	150.0	V	76.0	13.3
4813.000000	52.39	---	74.00	21.61	150.0	V	134.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	27225739/A004231951-001
Test Voltage:	Battery
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

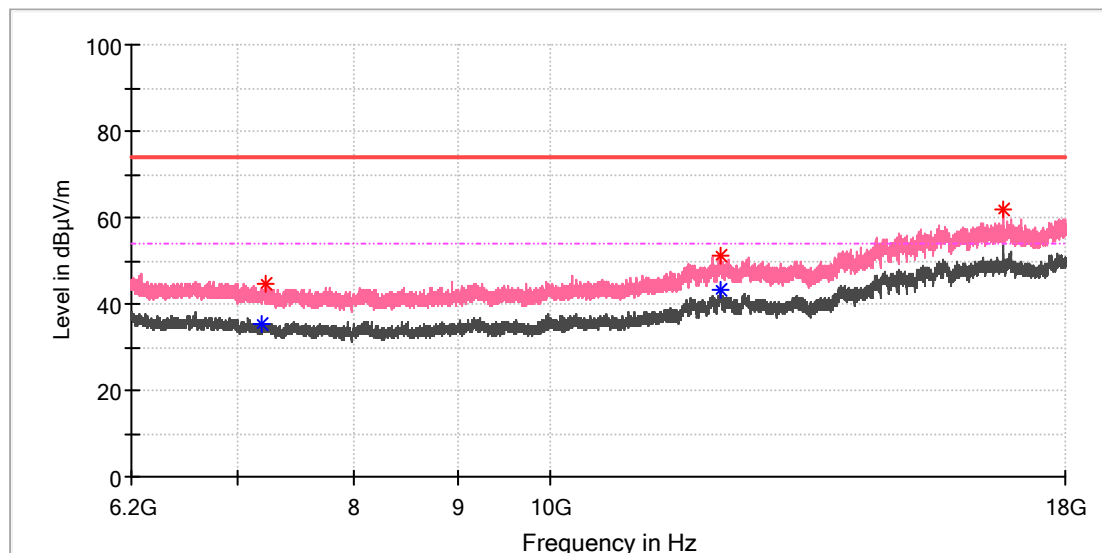
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	PoI	Azimuth (deg)	Corr. (dB/m)
7220.208333	---	36.00	54.00	18.00	150.0	H	0.0	8.7
7221.683333	43.28	---	74.00	30.72	150.0	H	216.0	8.7
9608.233333	---	42.79	54.00	11.21	150.0	H	43.0	10.4
9608.233333	47.39	---	74.00	26.61	150.0	H	43.0	10.4
12050.341667	51.55	---	74.00	22.45	150.0	H	355.0	16.4
12130.483333	---	42.62	54.00	11.38	150.0	H	301.0	16.2

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.0	100.0	100.0	100.0	100.0	100.0		100.0	

EUT Information

EUT Name: Bluetooth Speaker
Model: CUB
Test Mode: BLE 1M_Low channel
Order No/Sample No: 27225739/A004231951-001
Test Voltage: Battery
Remark: Temp 23.8°C Humi:57%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7199.558333	---	35.41	54.00	18.59	150.0	V	126.0	8.8
7222.666667	44.70	---	74.00	29.30	150.0	V	234.0	8.7
12145.725000	---	43.13	54.00	10.87	150.0	V	0.0	16.6
12153.591667	50.95	---	74.00	23.05	150.0	V	348.0	16.5
16774.766667	61.92	---	68.20	6.28	150.0	V	17.0	21.9

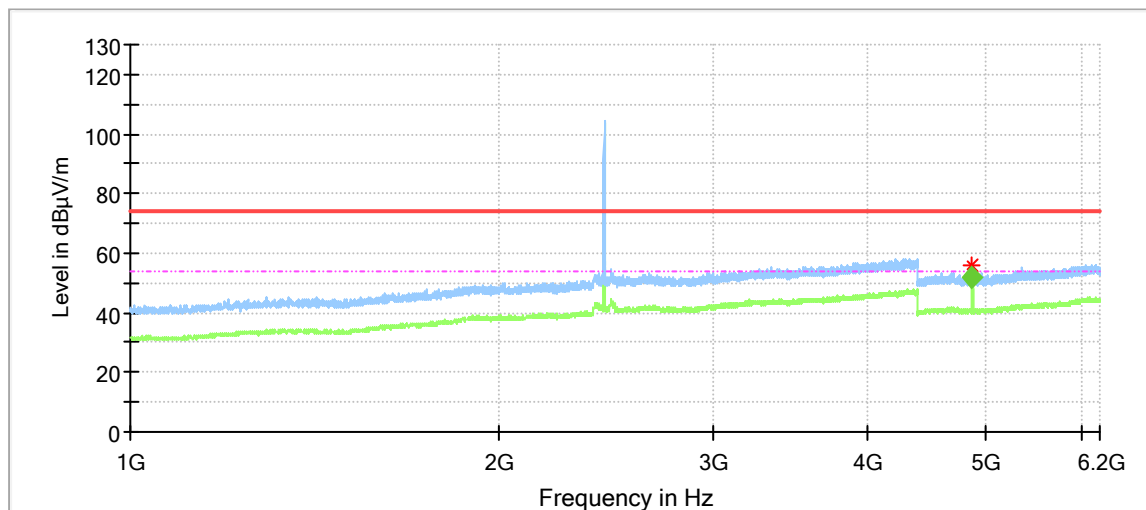
Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---	---

Note: The observed value in frequency 16774.76MHz is not within the restricted band, just Peak value was recorded.

EUT Information

EUT Name: Bluetooth Speaker
Model: CUB
Test Mode: BLE 1M_Mid channel
Order No/Sample No: 27225739/A004231951-001
Test Voltage: Battery
Remark: Temp 23.8°C Humi:57%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

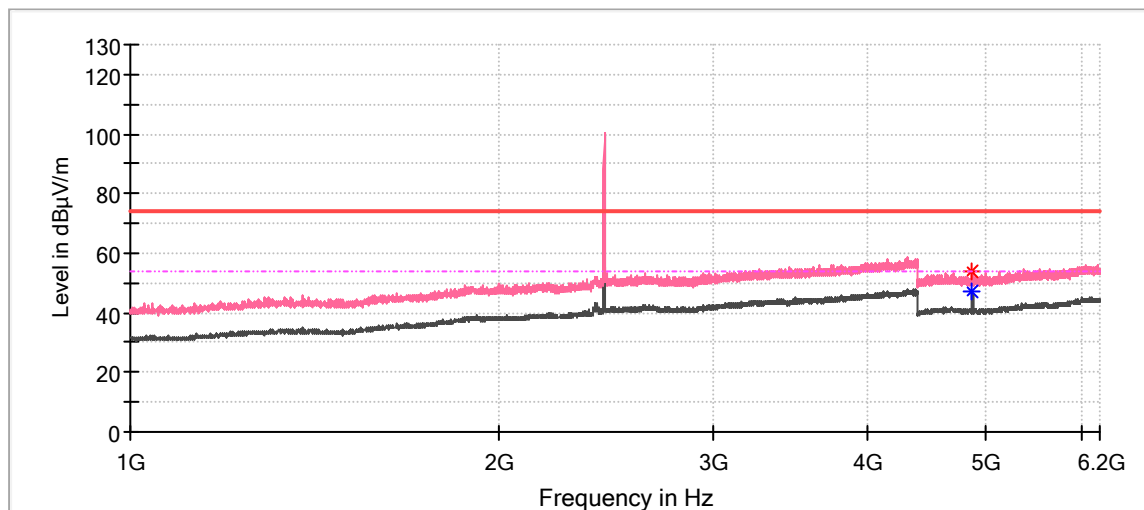
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4879.500000	56.06	---	74.00	17.94	150.0	H	43.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4879.677778	---	51.68	54.00	2.32	150.0	H	49.0	13.3

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	27225739/A004231951-001
Test Voltage:	Battery
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

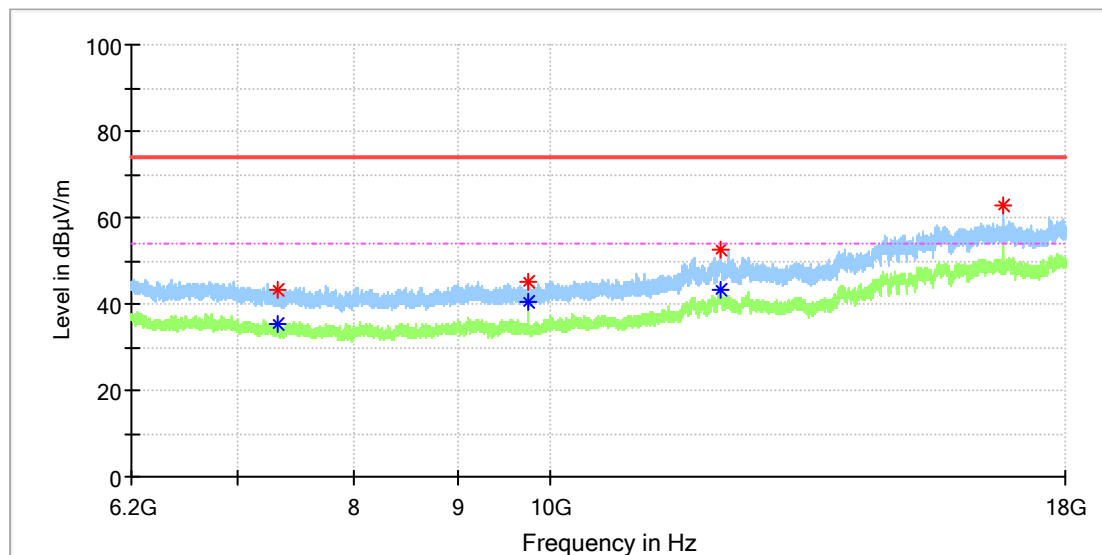
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4879.500000	53.75	---	74.00	20.25	150.0	V	109.0	13.3
4879.500000	---	47.29	54.00	6.71	150.0	V	109.0	13.3

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
----	----	----	----	----	----		----	----

EUT Information

EUT Name: Bluetooth Speaker
Model: CUB
Test Mode: BLE 1M_Mid channel
Order No/Sample No: 27225739/A004231951-001
Test Voltage: Battery
Remark: Temp 23.8°C Humi:57%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7320.508333	---	35.21	54.00	18.79	150.0	H	336.0	8.2
7324.933333	43.41	---	74.00	30.59	150.0	H	206.0	8.2
9759.666667	45.00	---	74.00	29.00	150.0	H	30.0	10.4
9760.158333	---	40.54	54.00	13.46	150.0	H	30.0	10.4
12148.183333	52.34	---	74.00	21.66	150.0	H	237.0	16.7
12148.183333	---	43.21	54.00	10.79	150.0	H	237.0	16.7
16770.341667	62.87	---	68.20	5.33	150.0	H	94.0	21.8

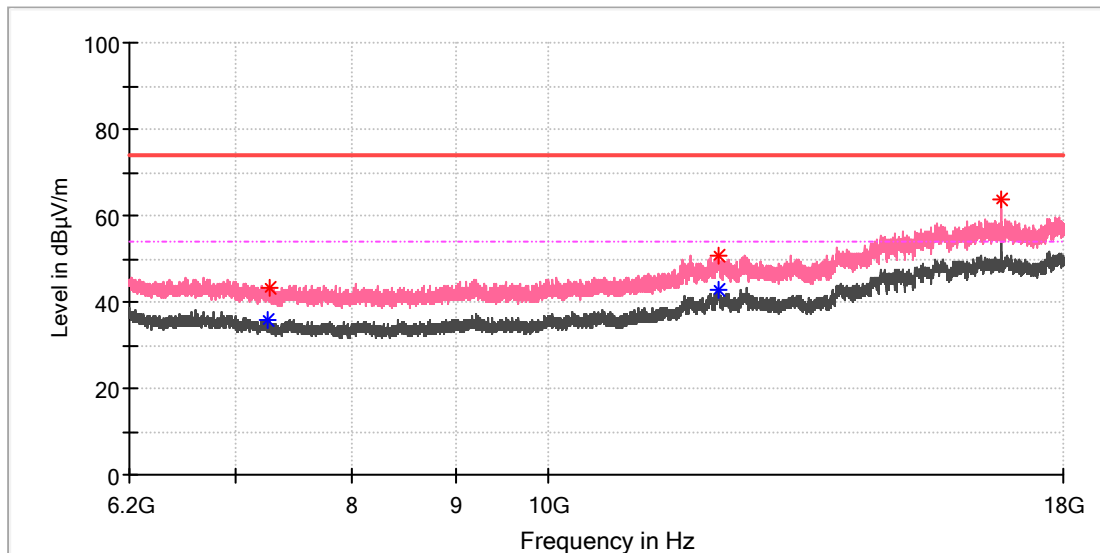
Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---	---

Note: The observed value in frequency 16770.34MHz is not within the restricted band, just Peak value was recorded.

EUT Information

EUT Name: Bluetooth Speaker
Model: CUB
Test Mode: BLE 1M_Mid channel
Order No/Sample No: 27225739/A004231951-001
Test Voltage: Battery
Remark: Temp 23.8°C Humi:57%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7265.441667	---	35.75	54.00	18.25	150.0	V	69.0	8.5
7283.633333	43.44	---	74.00	30.56	150.0	V	355.0	8.4
12138.841667	---	42.81	54.00	11.19	150.0	V	137.0	16.4
12145.725000	50.85	---	74.00	23.15	150.0	V	69.0	16.6
16774.275000	63.54	---	68.20	4.66	150.0	V	160.0	21.9

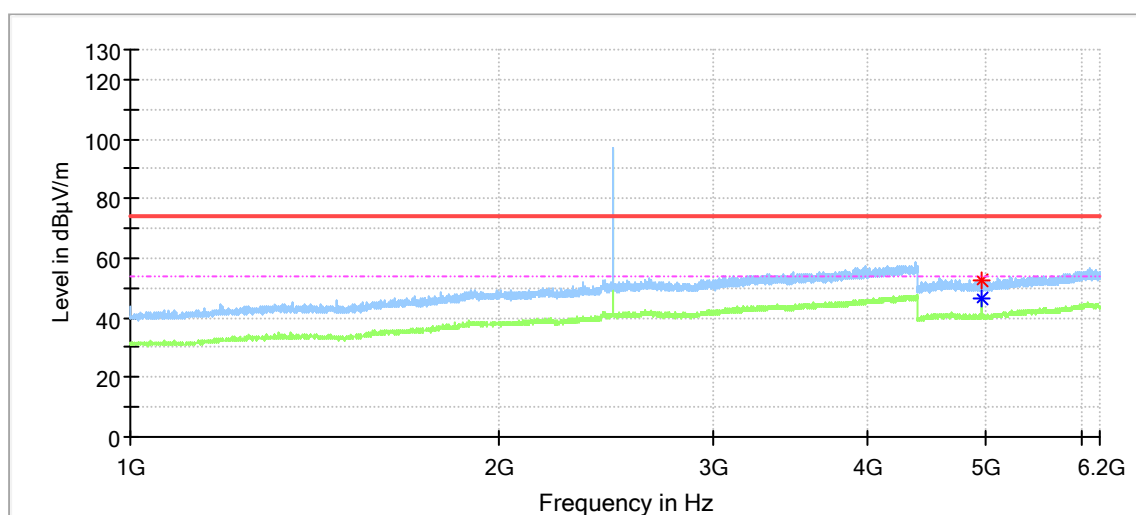
Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---	---

Note: The observed value in frequency 16774.28MHz is not within the restricted band, just Peak value was recorded.

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BLE 1M_High channel
Order No/Sample No:	27225739/A004231951-001
Test Voltage:	Battery
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

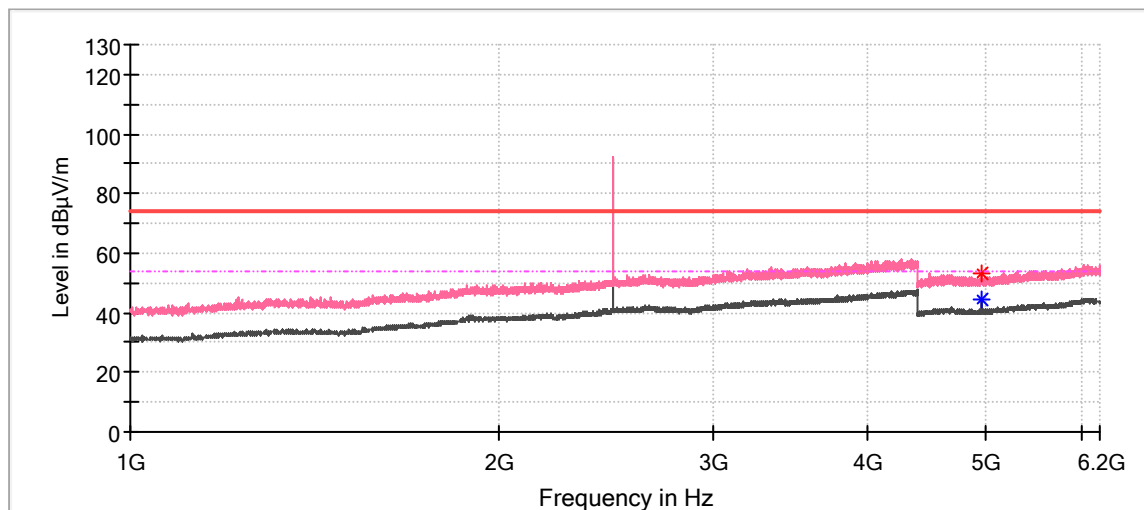
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4960.000000	52.52	---	74.00	21.48	150.0	H	50.0	13.3
4960.000000	---	46.16	54.00	7.84	150.0	H	50.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.75	122.5	122.5	122.5	0	100		0	0

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BLE 1M_High channel
Order No/Sample No:	27225739/A004231951-001
Test Voltage:	Battery
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

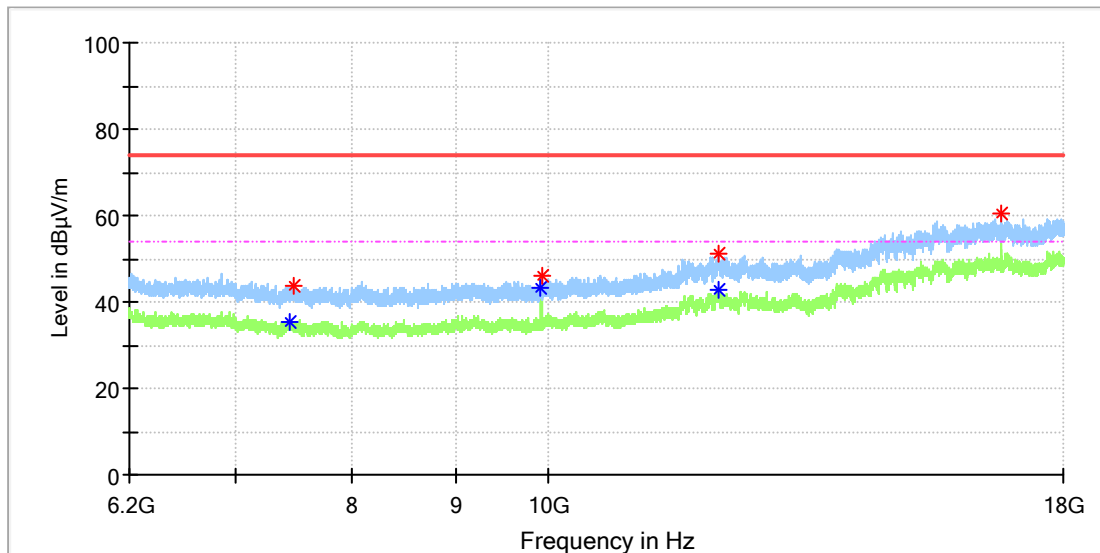
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4960.000000	---	44.19	54.00	9.81	150.0	V	104.0	13.3
4960.000000	52.98	---	74.00	21.02	150.0	V	104.0	13.3

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.00	100.00	100.00	100.00	100.00	100.00		100.00	100.00

EUT Information

EUT Name: Bluetooth Speaker
Model: CUB
Test Mode: BLE 1M_High channel
Order No/Sample No: 27225739/A004231951-001
Test Voltage: Battery
Remark: Temp 23.8°C Humi:57%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7445.883333	---	35.43	54.00	18.57	150.0	H	232.0	8.5
7477.350000	43.53	---	74.00	30.47	150.0	H	254.0	8.6
9919.950000	---	43.27	54.00	10.73	150.0	H	45.0	10.8
9920.441667	46.14	---	74.00	27.86	150.0	H	35.0	10.8
12150.641667	51.27	---	74.00	22.73	150.0	H	132.0	16.7
12150.641667	---	42.59	54.00	11.41	150.0	H	132.0	16.7
16767.391667	60.52	---	68.20	7.68	150.0	H	314.0	21.8

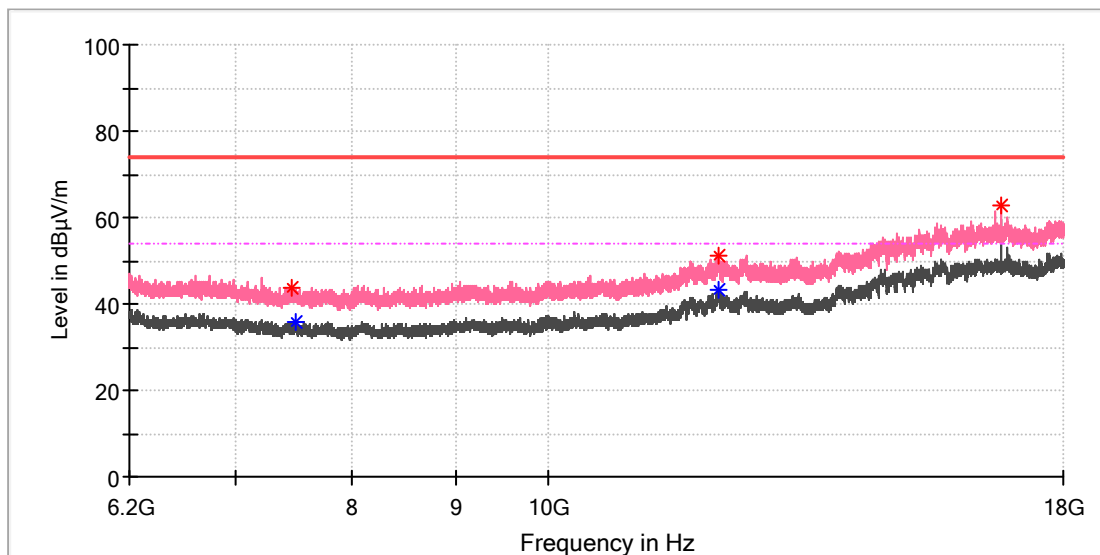
Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---	---

Note: The observed value in frequency 16767.39MHz is not within the restricted band, just Peak value was recorded.

EUT Information

EUT Name: Bluetooth Speaker
Model: CUB
Test Mode: BLE 1M_High channel
Order No/Sample No: 27225739/A004231951-001
Test Voltage: Battery
Remark: Temp 23.8°C Humi:57%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7463.583333	43.76	---	74.00	30.24	150.0	V	18.0	8.6
7492.100000	---	35.77	54.00	18.23	150.0	V	320.0	8.7
12149.166667	50.96	---	74.00	23.04	150.0	V	310.0	16.7
12156.541667	---	43.38	54.00	10.62	150.0	V	18.0	16.4
16759.525000	63.00	---	68.20	5.20	150.0	V	224.0	21.8

Final_Result

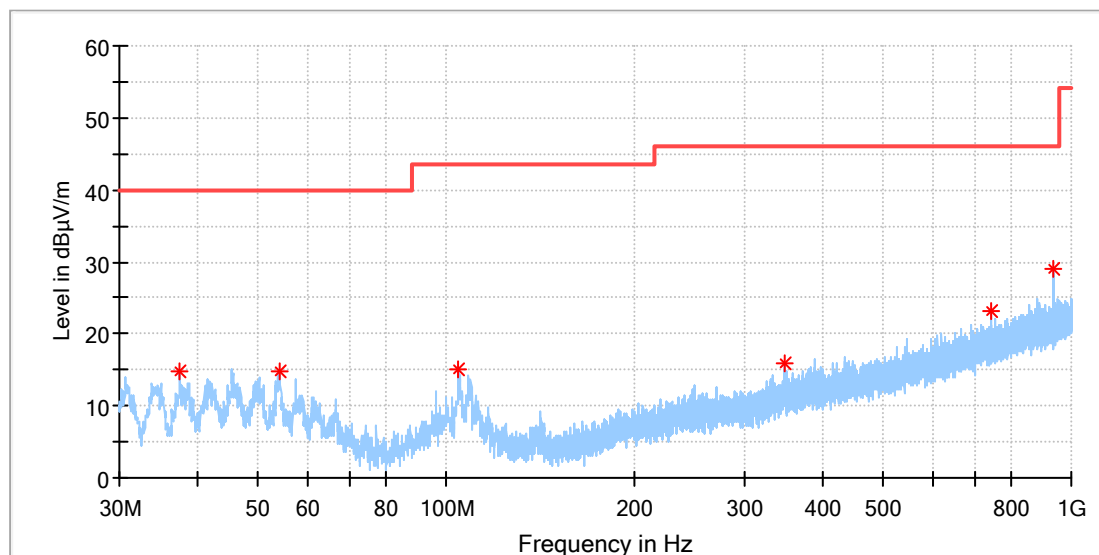
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Note: The observed value in frequency 16759.52MHz is not within the restricted band, just Peak value was recorded.

30MHz - 1GHz for ANT2

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	27225739/A004263143-001
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

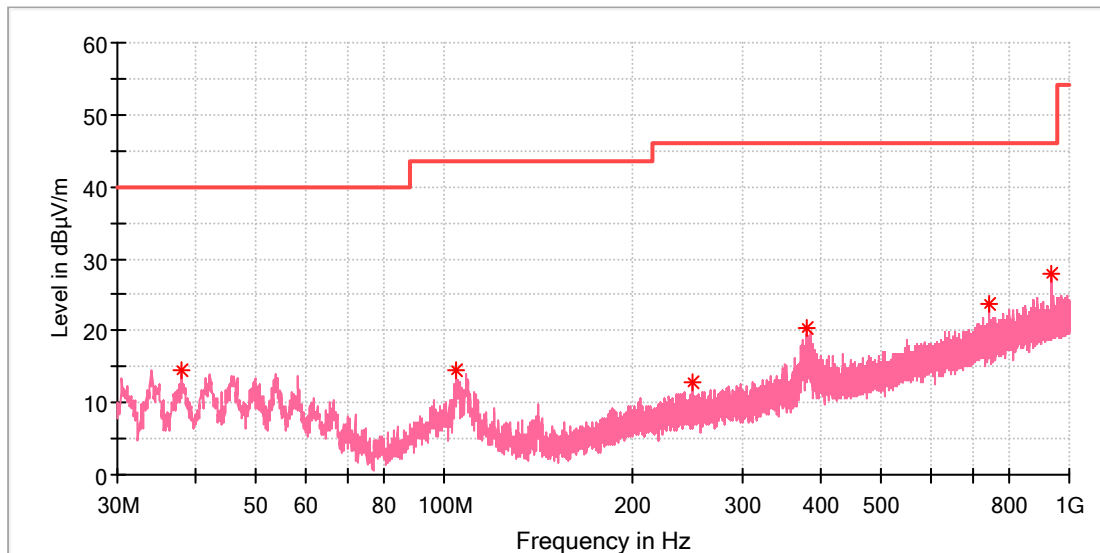
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
37.490556	14.78	40.00	25.22	100.0	H	6.0	-21.0
54.088333	14.90	40.00	25.10	100.0	H	147.0	-18.5
104.797778	15.06	43.50	28.44	100.0	H	223.0	-18.9
348.213889	15.96	46.00	30.04	100.0	H	302.0	-14.9
742.411111	23.18	46.00	22.82	100.0	H	147.0	-7.2
938.405000	28.93	46.00	17.07	100.0	H	42.0	-4.4

Final Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name: Bluetooth Speaker
Model: CUB
Test Mode: BLE 1M_Mid channel
Order No/Sample No: 27225739/A004263143-001
Test Voltage: Battery
Remark: Temp 23.5°C Humi:54%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
38.029444	14.48	40.00	25.52	100.0	V	16.0	-20.8
104.690000	14.49	43.50	29.01	100.0	V	134.0	-18.9
250.028333	12.94	46.00	33.06	100.0	V	281.0	-17.4
379.738889	20.32	46.00	25.68	100.0	V	254.0	-14.2
742.465000	23.60	46.00	22.40	100.0	V	97.0	-7.2
938.458889	28.01	46.00	17.99	100.0	V	0.0	-4.4

Final Result

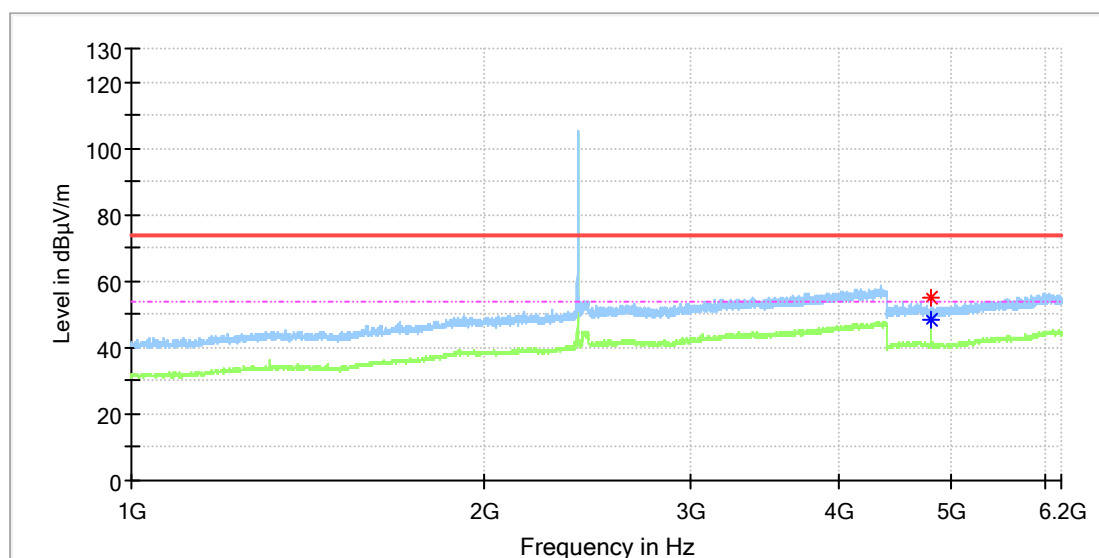
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

1GHz - 18GHz for ANT2

Note: The highest waveform in the figure is Bluetooth Fundamental.

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	27225739/A004263143-001
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

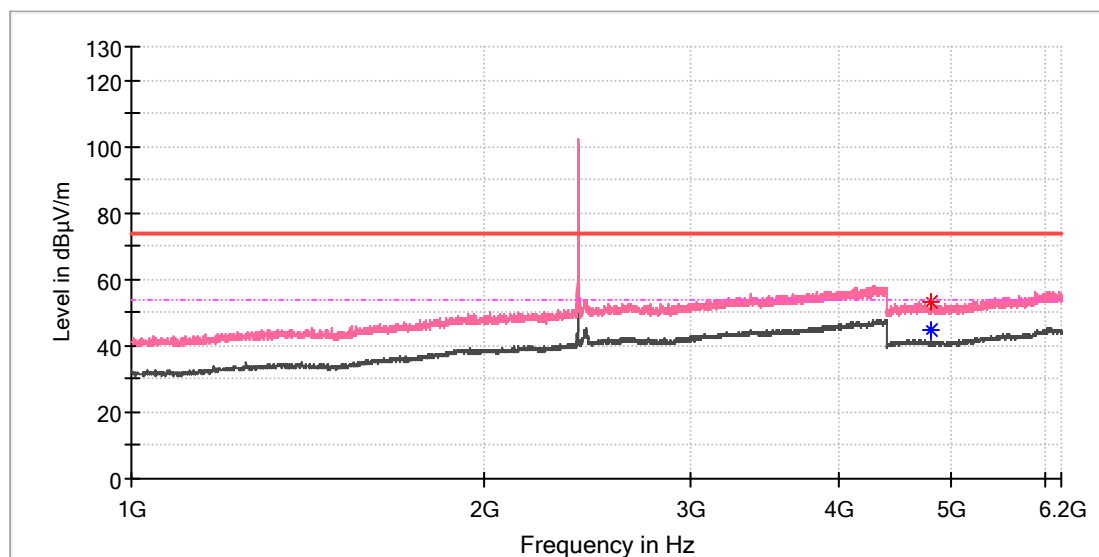
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4803.500000	---	48.51	54.00	5.49	150.0	H	77.0	13.3
4804.000000	55.00	---	74.00	19.00	150.0	H	172.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	27225739/A004263143-001
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

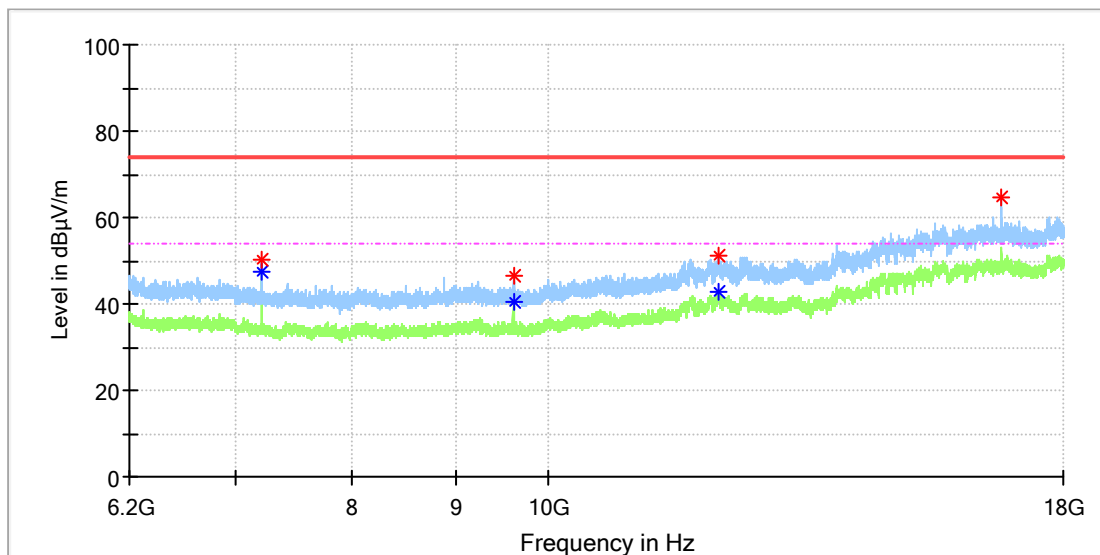
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4804.000000	52.91	---	74.00	21.09	150.0	V	155.0	13.3
4804.000000	---	44.84	54.00	9.16	150.0	V	155.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name: Bluetooth Speaker
Model: CUB
Test Mode: BLE 1M_Low channel
Order No/Sample No: 27225739/A004263143-001
Test Voltage: Battery
Remark: Temp 23.5°C Humi:54%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7205.458333	50.07	---	74.00	23.93	150.0	H	225.0	8.8
7205.458333	---	47.59	54.00	6.41	150.0	H	225.0	8.8
9607.741667	46.62	---	74.00	27.38	150.0	H	214.0	10.4
9608.233333	---	40.58	54.00	13.42	150.0	H	214.0	10.4
12154.575000	51.07	---	74.00	22.93	150.0	H	332.0	16.5
12155.558333	---	42.98	54.00	11.02	150.0	H	214.0	16.4
16765.425000	64.74	---	68.20	3.46	150.0	H	248.0	21.8

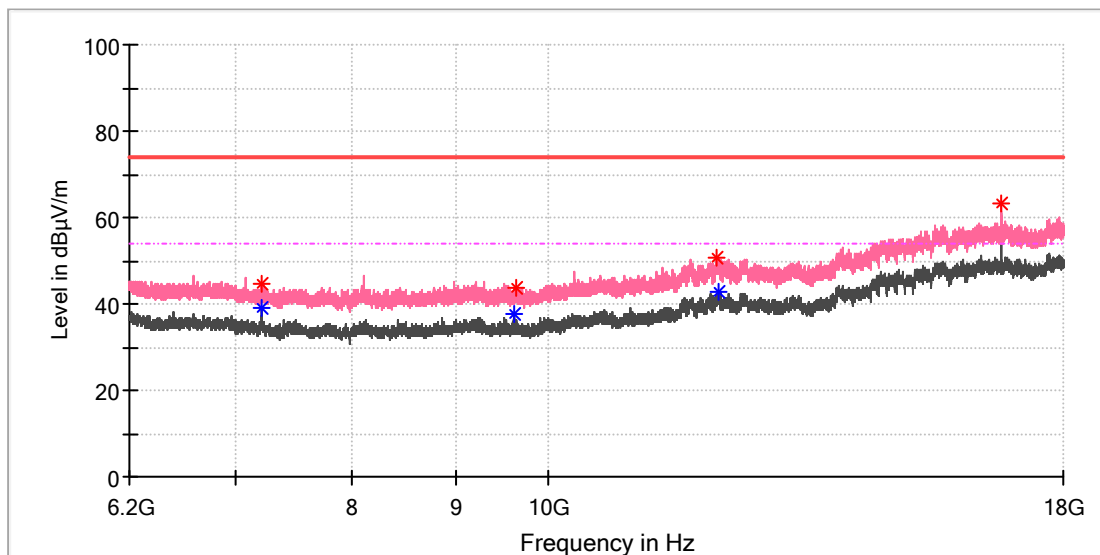
Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Note: The observed value in frequency 16765.43MHz is not within the restricted band, just Peak value was recorded.

EUT Information

EUT Name: Bluetooth Speaker
Model: CUB
Test Mode: BLE 1M_Low channel
Order No/Sample No: 27225739/A004263143-001
Test Voltage: Battery
Remark: Temp 23.5°C Humi:54%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7204.966667	---	38.89	54.00	15.11	150.0	V	276.0	8.8
7205.458333	44.75	---	74.00	29.25	150.0	V	276.0	8.8
9608.233333	---	37.52	54.00	16.48	150.0	V	12.0	10.4
9640.191667	43.85	---	74.00	30.15	150.0	V	61.0	10.4
12119.666667	50.93	---	74.00	23.07	150.0	V	38.0	15.9
12154.575000	---	43.01	54.00	10.99	150.0	V	12.0	16.5
16761.000000	63.49	---	68.20	4.71	150.0	V	251.0	21.8

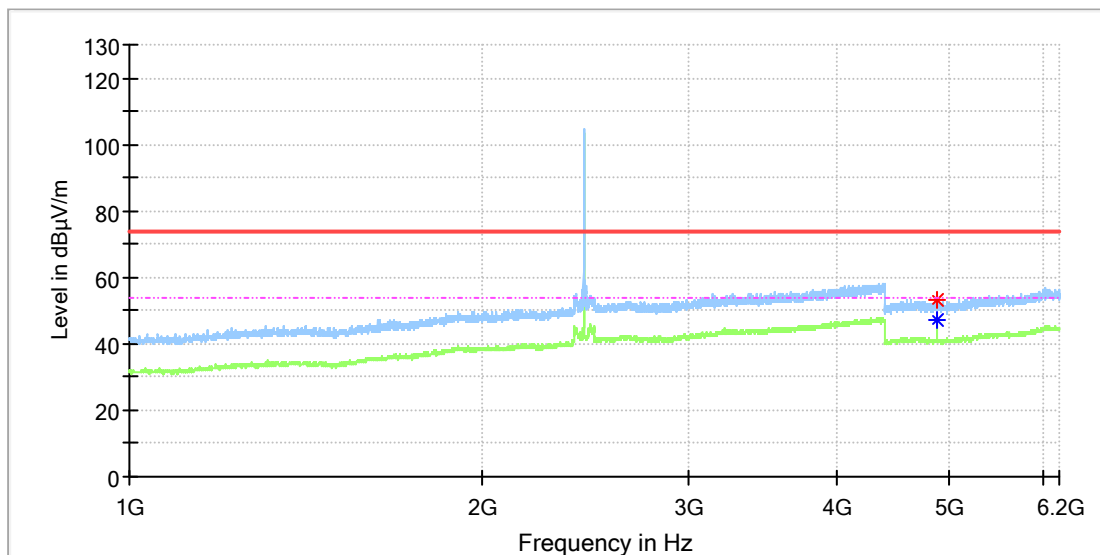
Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Note: The observed value in frequency 16761.00MHz is not within the restricted band, just Peak value was recorded.

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	27225739/A004263143-001
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

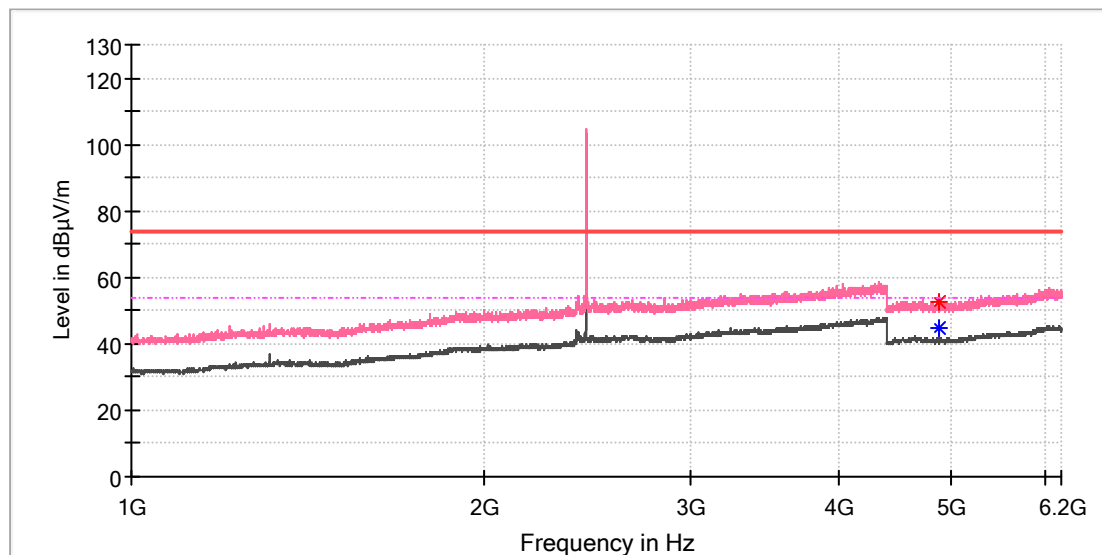
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4879.500000	53.50	---	74.00	20.50	150.0	H	140.0	13.3
4880.000000	---	47.32	54.00	6.68	150.0	H	196.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
----	----	----	----	----	----		----	----

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	27225739/A004263143-001
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

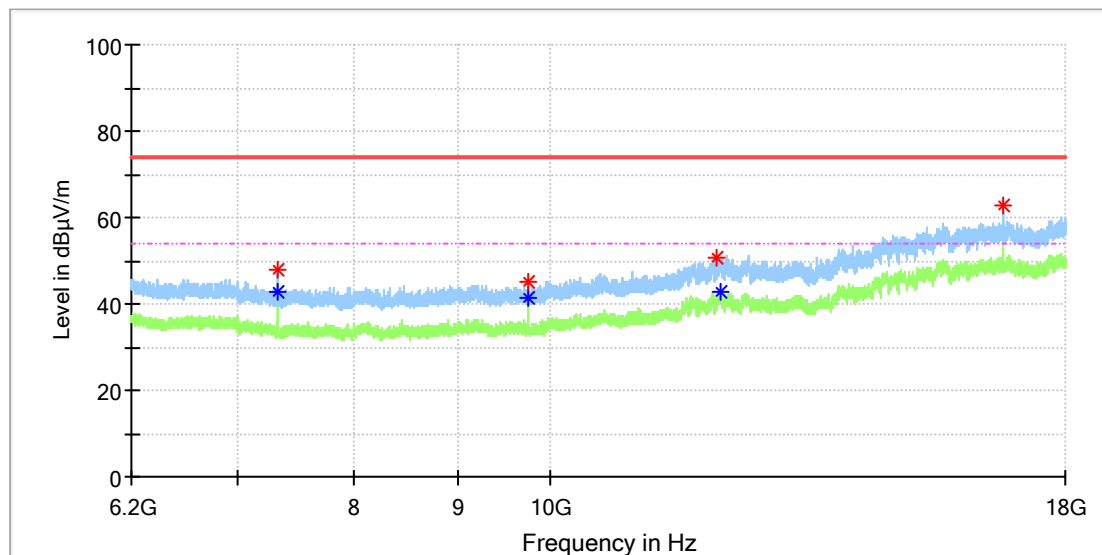
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4880.000000	---	44.92	54.00	9.08	150.0	V	44.0	13.3
4880.500000	52.51	---	74.00	21.49	150.0	V	209.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name: Bluetooth Speaker
Model: CUB
Test Mode: BLE 1M_Mid channel
Order No/Sample No: 27225739/A004263143-001
Test Voltage: Battery
Remark: Temp 23.5°C Humi:54%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7319.525000	47.71	---	74.00	26.29	150.0	H	213.0	8.2
7319.525000	---	43.02	54.00	10.98	150.0	H	213.0	8.2
9759.666667	45.26	---	74.00	28.74	150.0	H	223.0	10.4
9760.158333	---	41.29	54.00	12.71	150.0	H	223.0	10.4
12095.083333	50.71	---	74.00	23.29	150.0	H	223.0	15.2
12149.166667	---	42.62	54.00	11.38	150.0	H	223.0	16.7
16758.050000	62.81	---	68.20	5.39	150.0	H	118.0	21.8

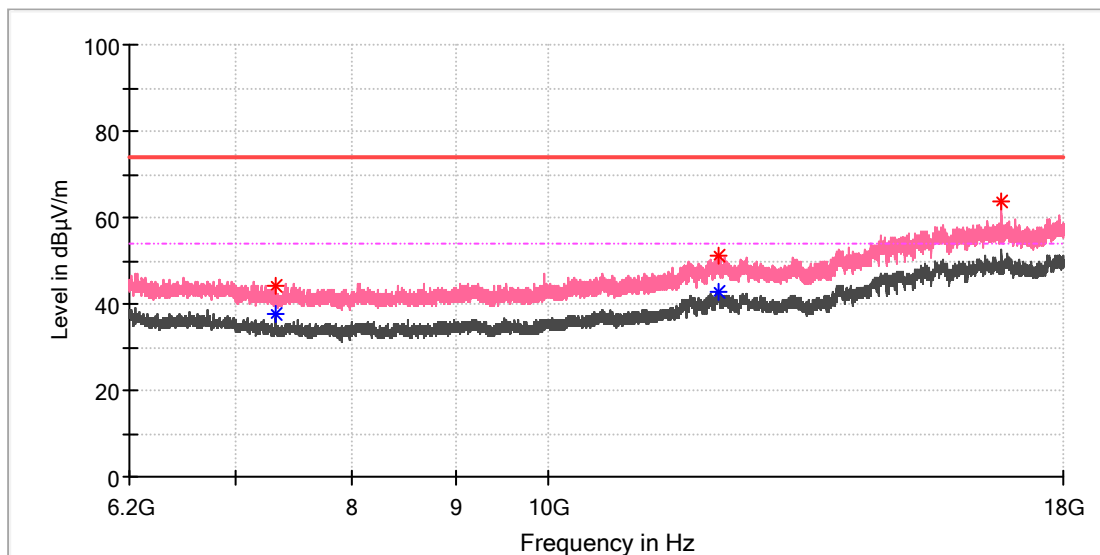
Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Note: The observed value in frequency 16758.05MHz is not within the restricted band, just Peak value was recorded.

EUT Information

EUT Name: Bluetooth Speaker
Model: CUB
Test Mode: BLE 1M_Mid channel
Order No/Sample No: 27225739/A004263143-001
Test Voltage: Battery
Remark: Temp 23.5°C Humi:54%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7319.525000	44.05	---	74.00	29.95	150.0	V	113.0	8.2
7319.525000	---	37.69	54.00	16.31	150.0	V	113.0	8.2
12143.266667	51.17	---	74.00	22.83	150.0	V	215.0	16.6
12159.000000	---	43.02	54.00	10.98	150.0	V	281.0	16.3
16762.475000	63.54	---	68.20	4.66	150.0	V	136.0	21.8

Final_Result

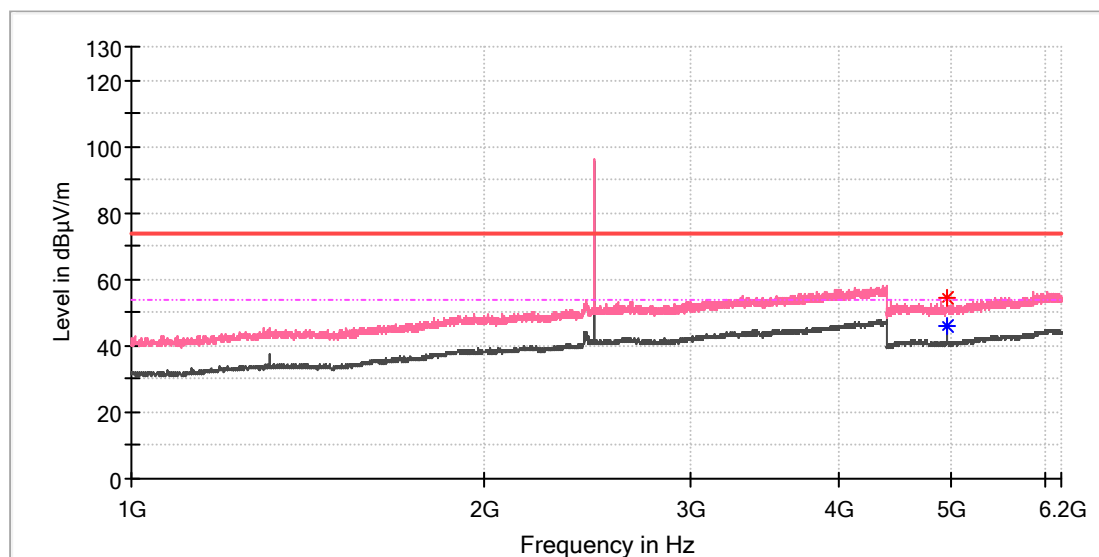
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---	---

Note: The observed value in frequency 16762.47MHz is not within the restricted band, just Peak value was recorded.

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BLE 1M_High channel
Order No/Sample No:	27225739/A004263143-001
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

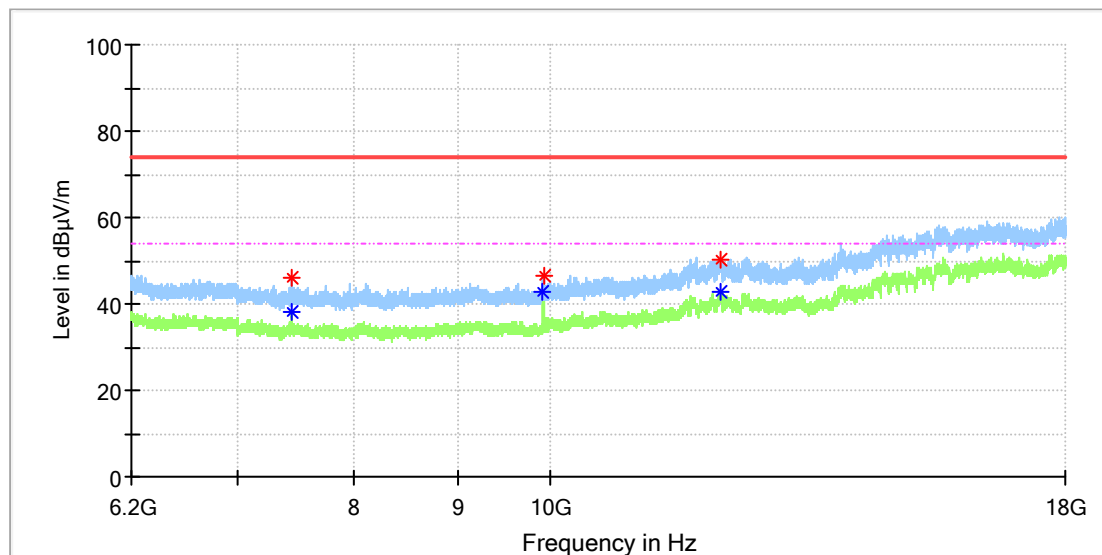
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4959.500000	54.30	---	74.00	19.70	150.0	V	204.0	13.3
4959.500000	---	45.94	54.00	8.06	150.0	V	204.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BLE 1M_High channel
Order No/Sample No:	27225739/A004263143-001
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

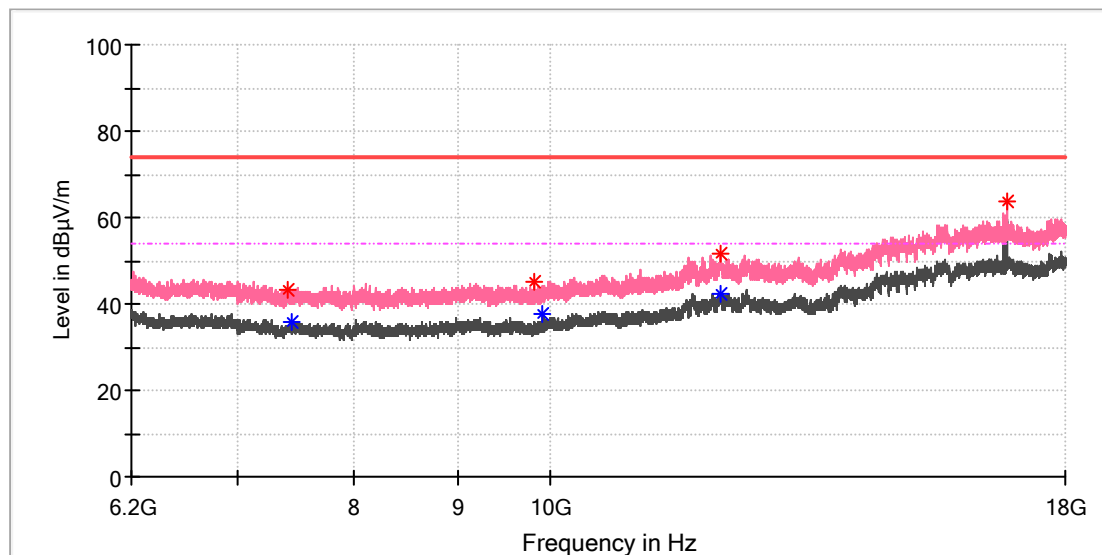
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	PoI	Azimuth (deg)	Corr. (dB/m)
7439.491667	45.82	---	74.00	28.18	150.0	H	54.0	8.4
7439.491667	---	38.08	54.00	15.92	150.0	H	54.0	8.4
9919.950000	---	42.72	54.00	11.28	150.0	H	229.0	10.8
9920.441667	46.66	---	74.00	27.34	150.0	H	229.0	10.8
12144.741667	---	42.77	54.00	11.23	150.0	H	277.0	16.6
12155.066667	50.29	---	74.00	23.71	150.0	H	165.0	16.5

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
-----	-----	-----	-----	-----	-----		-----	

EUT Information

EUT Name: Bluetooth Speaker
Model: CUB
Test Mode: BLE 1M_High channel
Order No/Sample No: 27225739/A004263143-001
Test Voltage: Battery
Remark: Temp 23.5°C Humi:54%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7414.416667	43.39	---	74.00	30.61	150.0	V	357.0	8.3
7444.408333	---	35.68	54.00	18.32	150.0	V	258.0	8.5
9825.550000	45.30	---	74.00	28.70	150.0	V	247.0	10.5
9919.950000	---	37.76	54.00	16.24	150.0	V	298.0	10.8
12136.383333	51.76	---	74.00	22.24	150.0	V	6.0	16.4
12144.741667	---	42.47	54.00	11.53	150.0	V	329.0	16.6
16831.308333	63.87	---	68.20	4.33	150.0	V	201.0	22.6

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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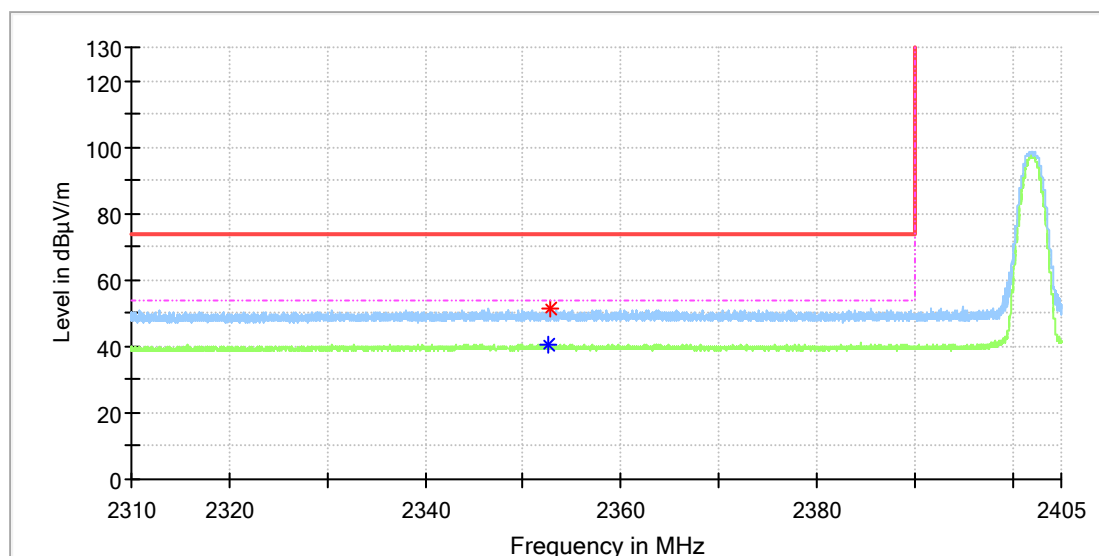
Note: The observed value in frequency 16831.30MHz is not within the restricted band, just Peak value was recorded.

Appendix B.7: Test Results of Radiated Emissions in Restricted Bands

For ANT1

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	27225739/A004263143-001
Test Voltage:	Battery
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

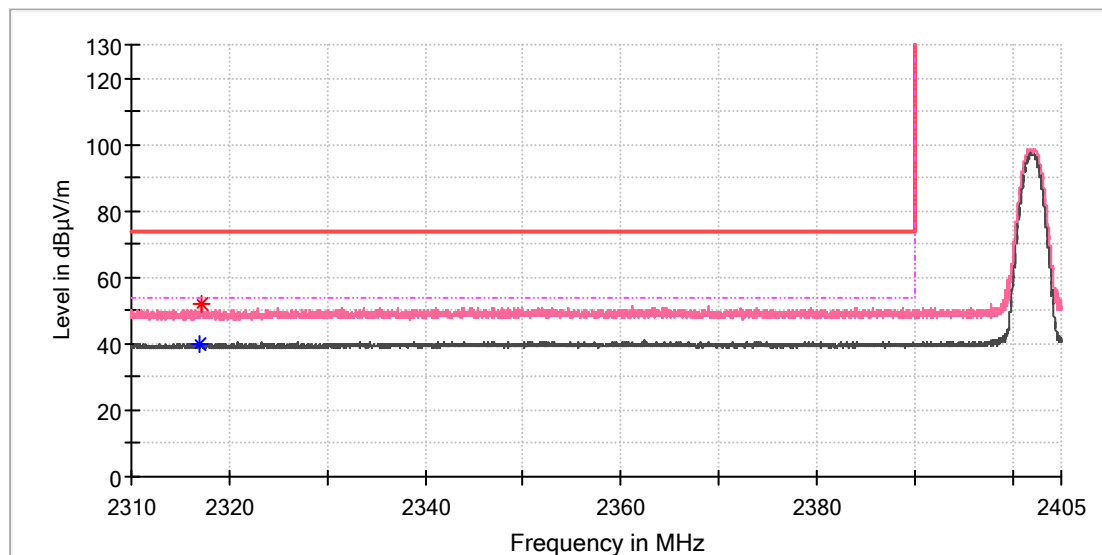
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2352.557941	---	40.23	54.00	13.77	150.0	H	306.0	8.5
2352.889412	51.48	---	74.00	22.52	150.0	H	48.0	8.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	27225739/A004263143-001
Test Voltage:	Battery
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

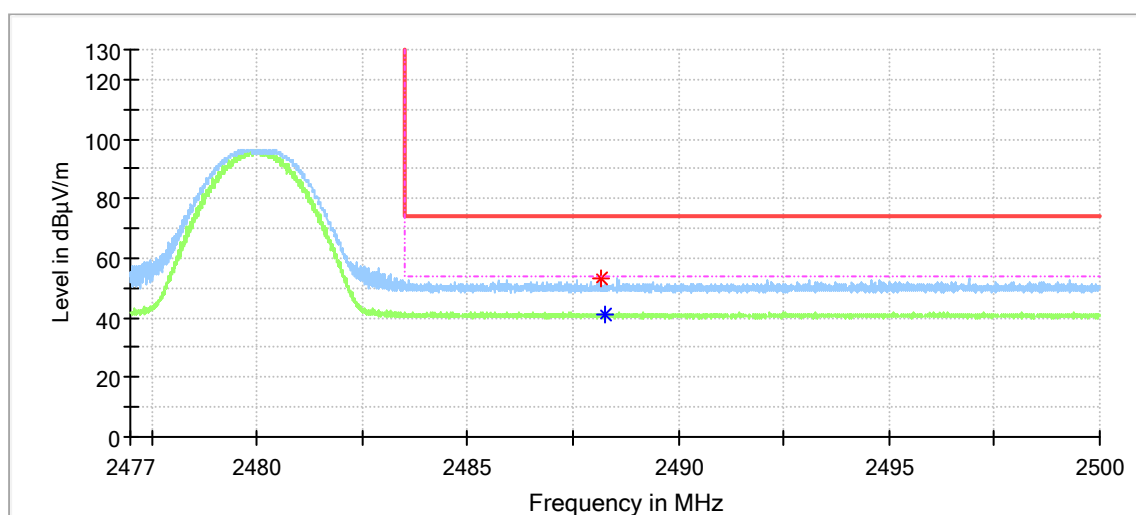
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2316.975294	---	40.21	54.00	13.79	150.0	V	282.0	8.2
2317.220294	51.75	---	74.00	22.25	150.0	V	318.0	8.2

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BLE 1M_High channel
Order No/Sample No:	27225739/A004263143-001
Test Voltage:	Battery
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

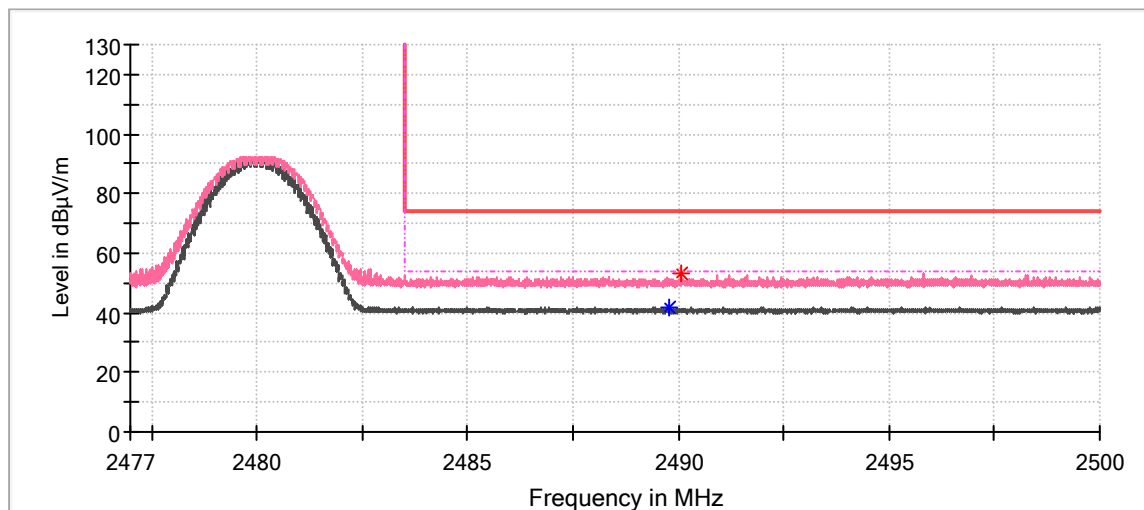
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2488.158088	53.03	---	74.00	20.97	150.0	H	0.0	9.0
2488.246324	---	41.32	54.00	12.68	150.0	H	0.0	9.0

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.7	122.5	118.5	120.0	1.5	100	V	135	0.0

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BLE 1M_High channel
Order No/Sample No:	27225739/A004263143-001
Test Voltage:	Battery
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

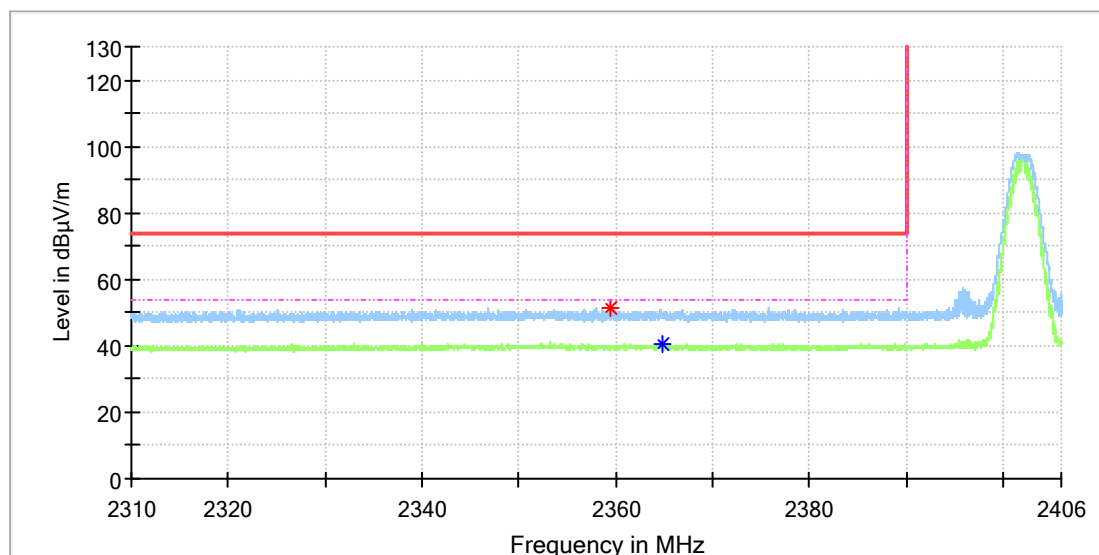
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2489.775735	---	41.56	54.00	12.44	150.0	V	222.0	9.0
2490.077206	53.40	---	74.00	20.60	150.0	V	150.0	9.0

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
----	----	----	----	----	----		----	----

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BLE 2M_Low channel
Order No/Sample No:	27225739/A004263143-001
Test Voltage:	Battery
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

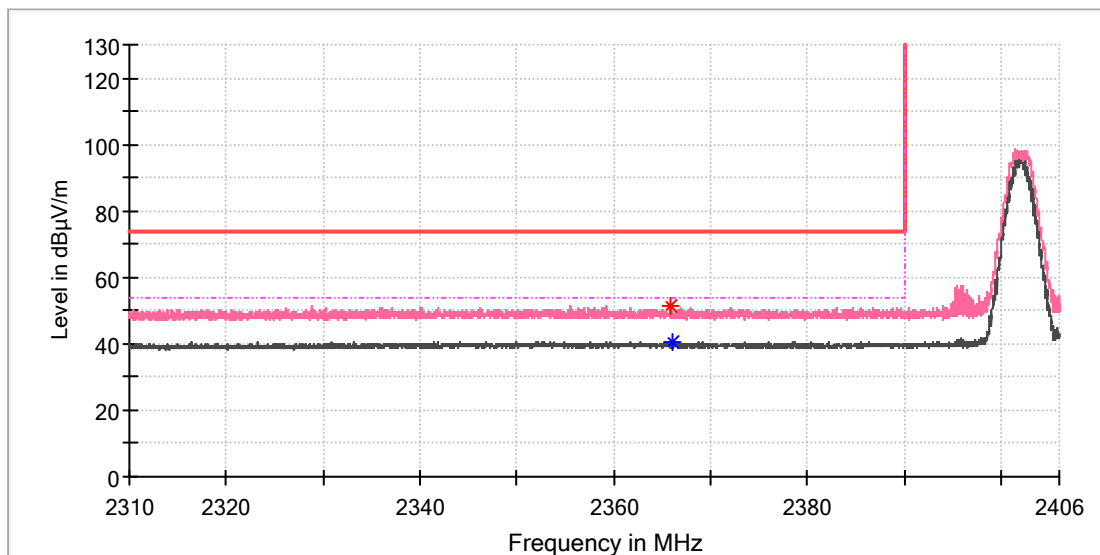
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2359.475588	51.60	---	74.00	22.40	150.0	H	158.0	8.5
2364.836765	---	40.68	54.00	13.32	150.0	H	286.0	8.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BLE 2M_Low channel
Order No/Sample No:	27225739/A004263143-001
Test Voltage:	Battery
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

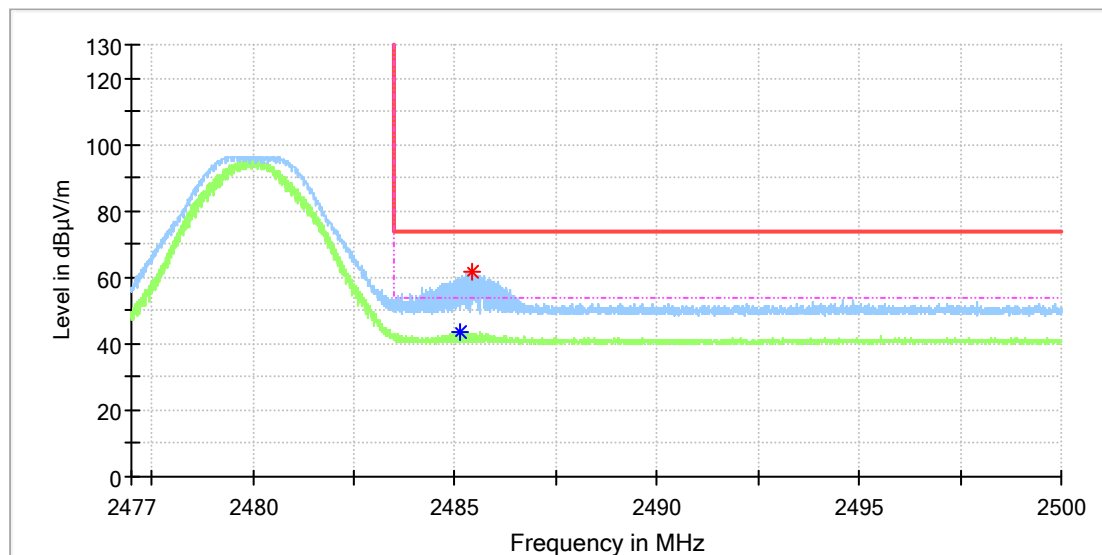
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2365.903235	51.47	---	74.00	22.53	150.0	V	7.0	8.5
2366.119412	---	40.33	54.00	13.67	150.0	V	62.0	8.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
----	----	----	----	----	----		----	----

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BLE 2M_High channel
Order No/Sample No:	27225739/A004263143-001
Test Voltage:	Battery
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

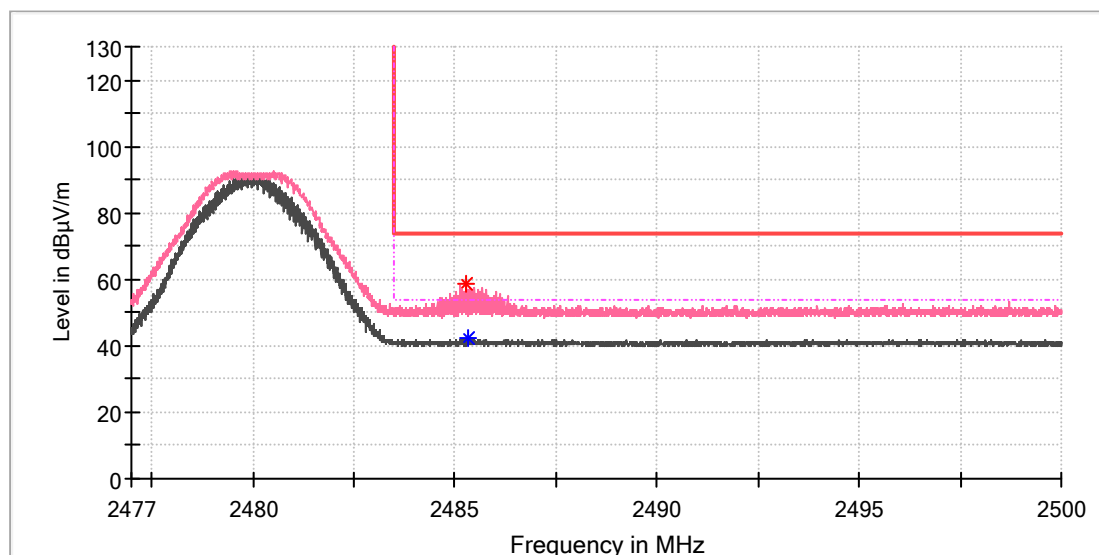
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2485.125000	---	43.55	54.00	10.45	150.0	H	0.0	9.0
2485.426471	61.37	---	74.00	12.63	150.0	H	1.0	9.0

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BLE 2M_High channel
Order No/Sample No:	27225739/A004263143-001
Test Voltage:	Battery
Remark:	Temp 23.8°C Humi:57%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2485.268382	58.46	---	74.00	15.54	150.0	V	102.0	9.0
2485.345588	---	42.48	54.00	11.52	150.0	V	102.0	9.0

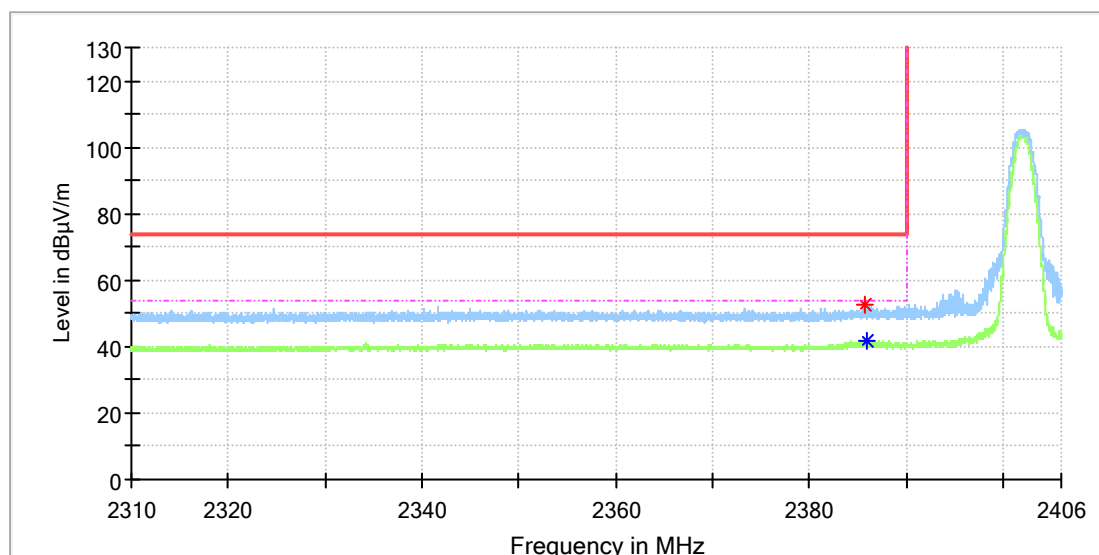
Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

For ANT2

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	27225739/A004263143-001
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

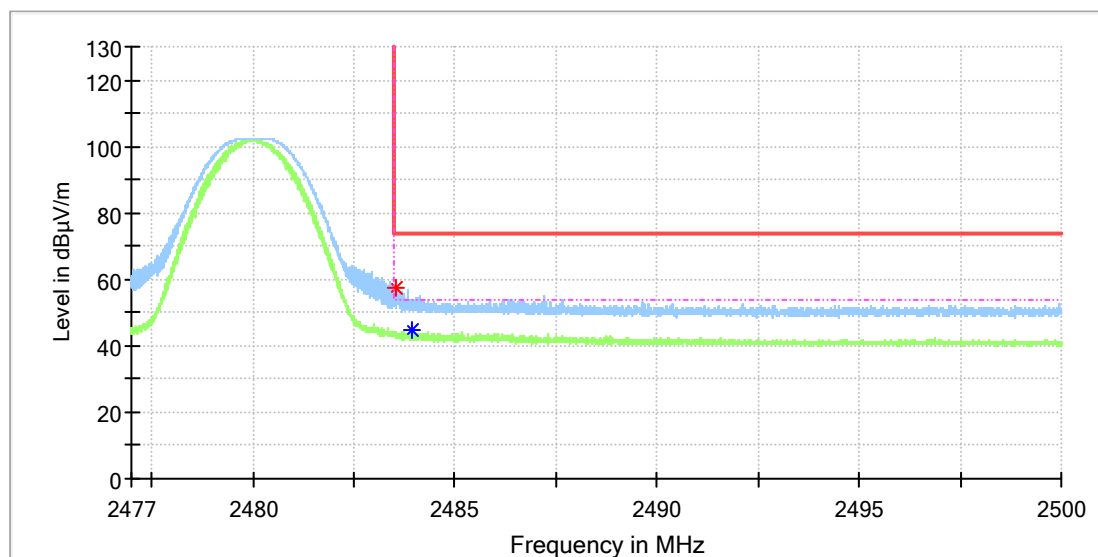
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2385.820294	52.72	---	74.00	21.28	150.0	H	188.0	8.5
2385.877941	---	41.73	54.00	12.27	150.0	H	132.0	8.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BLE 1M_High channel
Order No/Sample No:	27225739/A004263143-001
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

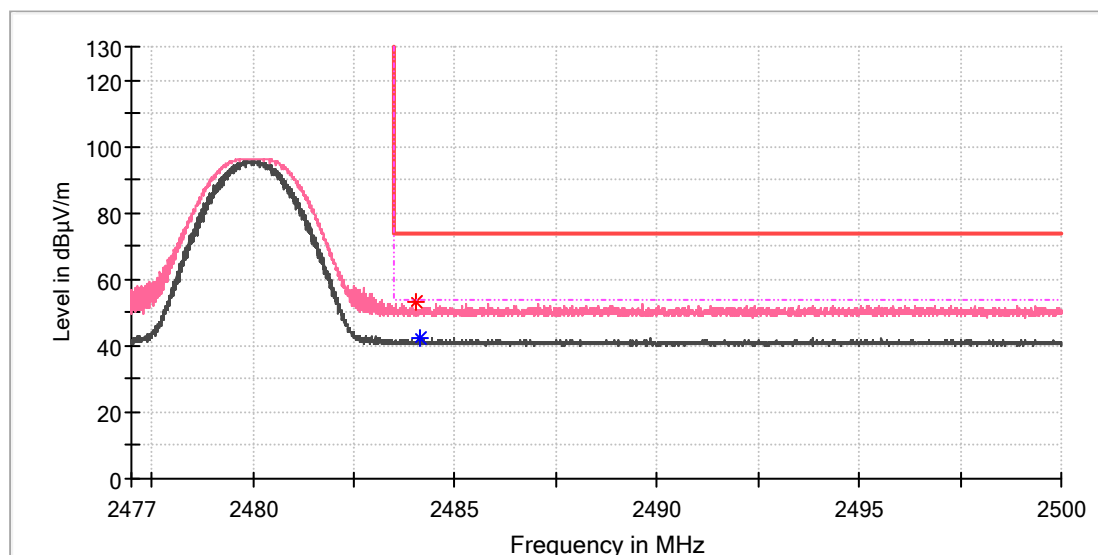
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.522059	57.54	---	74.00	16.46	150.0	H	166.0	9.0
2483.959559	---	44.83	54.00	9.17	150.0	H	173.0	9.0

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BLE 1M_High channel
Order No/Sample No:	27225739/A004263143-001
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

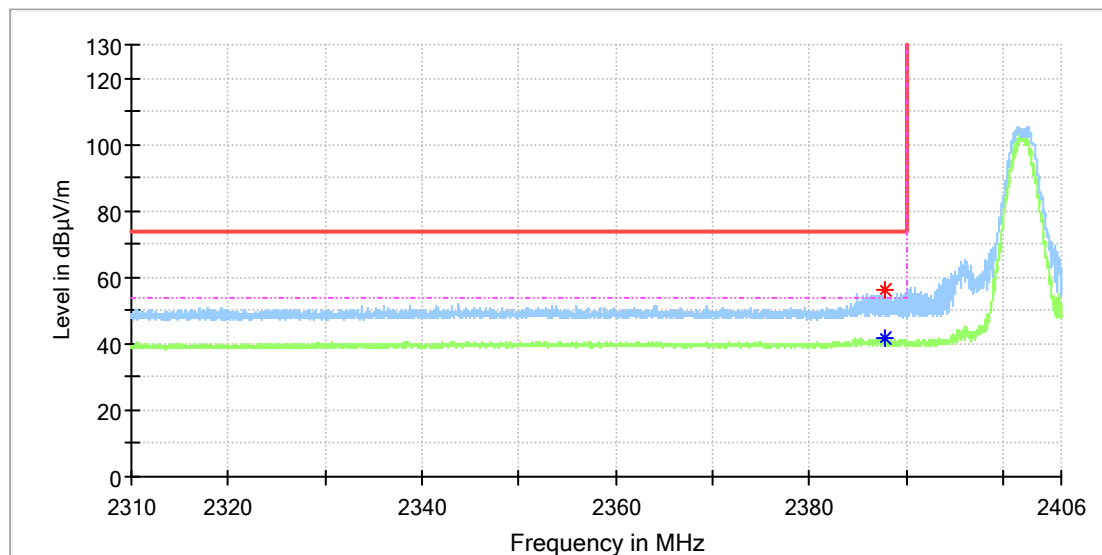
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.025735	53.40	---	74.00	20.60	150.0	V	356.0	9.0
2484.121324	---	42.30	54.00	11.70	150.0	V	313.0	9.0

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BLE 2M_Low channel
Order No/Sample No:	27225739/A004263143-001
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

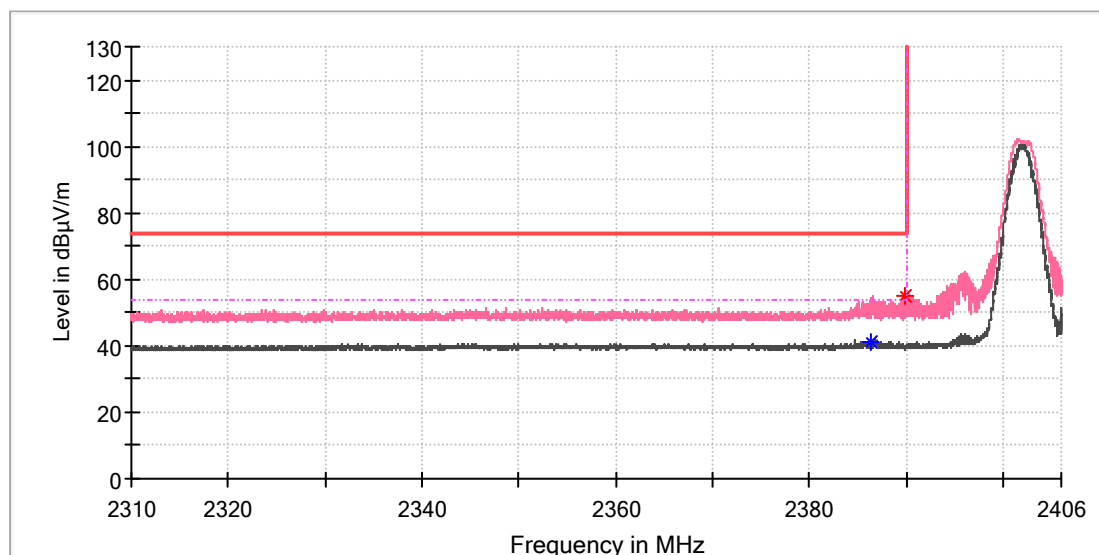
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2387.823529	---	41.73	54.00	12.27	150.0	H	188.0	8.5
2387.895588	56.26	---	74.00	17.74	150.0	H	188.0	8.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BLE 2M_Low channel
Order No/Sample No:	27225739/A004263143-001
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

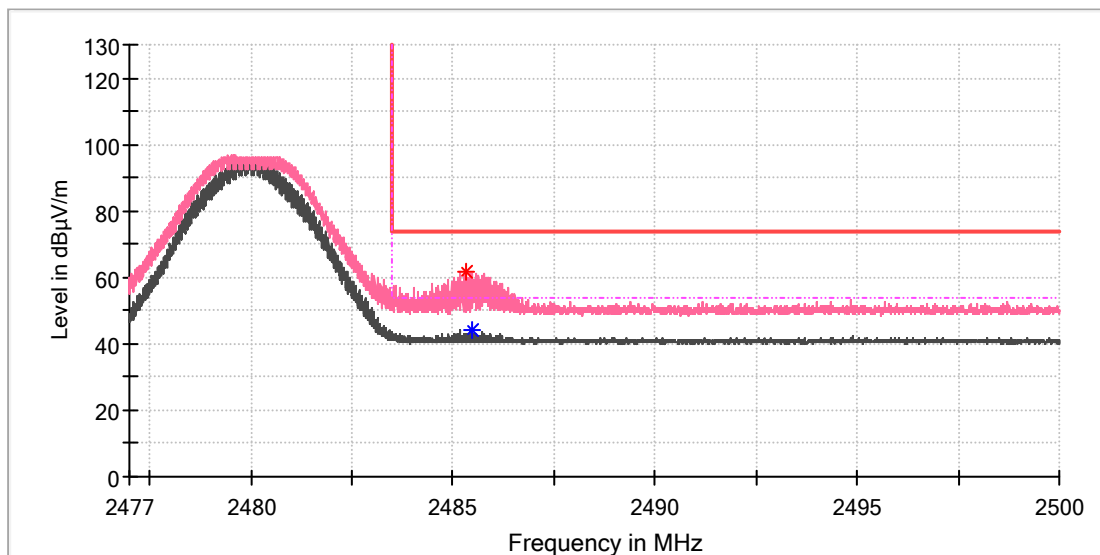
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2386.267059	---	41.30	54.00	12.70	150.0	V	303.0	8.5
2389.870000	54.88	---	74.00	19.12	150.0	V	303.0	8.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name:	Bluetooth Speaker
Model:	CUB
Test Mode:	BLE 2M_High channel
Order No/Sample No:	27225739/A004263143-001
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2485.338235	61.93	---	74.00	12.07	150.0	V	305.0	9.0
2485.488971	---	44.14	54.00	9.86	150.0	V	305.0	9.0

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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