Prüfbericht-Nr.: *Test report no.:*	**CN24FT2T 001**	**Auftrags-Nr.:** *Order no.:*	168511698	Seite 1 von 28 *Page 1 of 28*
Kunden-Referenz-Nr.: *Client reference no.:*	N/A	**Auftragsdatum:** *Order date:*	2024-10-25	
Auftraggeber: *Client:*	**Edifier International Limited** P.O. Box 6264 General Post Office, Hong Kong			
Prüfgegenstand: *Test item:*	Multimedia Speaker			
Bezeichnung / Typ-Nr.: *Identification / Type no.:*	EDF286012 (Trademark: EDIFIER)			
Auftrags-Inhalt: *Order content:*	Type test			
Prüfgrundlage: *Test specification:*	EN 62479:2010 EN 300 328 V2.2.2 (2019-07)		BS EN 62479:2010 ETSI EN 300 328 V2.2.2 (2019-07)	
Wareneingangsdatum: *Date of sample receipt:*	2024-11-05			
Prüfmuster-Nr.: *Test sample no.:*	S24102903-001			
Prüfzeitraum: *Testing period:*	2024-11-06 - 2024-12-04			
Ort der Prüfung: *Place of testing:*	Guangdong Dongdian Testing Service Co.,Ltd.			
Prüflaboratorium: *Testing laboratory:*	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: *Test result*:*	Pass			



geprüft von: *tested by:*	x Signed by: Harry W. C. Wu	**genehmigt von:** *authorized by:*	x Signed by: Alex Lan
Datum: *Date:* 2024-12-16		**Ausstellungsdatum:** *Issue date:* 2024-12-16	
Stellung / Position	Project Manager	**Stellung** / Position	Authorizer

Sonstiges / *Other:* Manufacturer: Beijing Edifier Technology Co., Ltd.
Address: 815, Floor 8, Shuangqiao Building, No.68, North Fourth Ring West Road, Haidian District, 100080 Beijing, P.R. China

This report is for Article 3.2 Radio Spectrum and Article 3.1a Health requirements.

Zustand des Prüfgegenstandes bei Anlieferung: Prüfmuster vollständig und unbeschädigt
Condition of the test item at delivery: *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*

Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.

This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.

Anmerkungen
Remarks

1	The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system. Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request. *Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben.* *Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden.*
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4	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 115:2021, 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. *Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnisen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2021, 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 bezueglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019.*

Test Summary

5.1.1 RF OUTPUT POWER
RESULT: Pass

5.1.2 POWER SPECTRAL DENSITY
RESULT: Pass

5.1.3 DUTY CYCLE, TX-SEQUENCE, TX-GAP
RESULT: Not applicable

5.1.4 ACCUMULATED TRANSMIT TIME, FREQUENCY OCCUPATION AND HOPPING SEQUENCE
RESULT: Pass

5.1.5 HOPPING FREQUENCY SEPARATION
RESULT: Pass

5.1.6 MEDIUM UTILISATION (MU) FACTOR
RESULT: Not applicable

5.1.7 ADAPTIVITY
RESULT: Not applicable

5.1.8 OCCUPIED CHANNEL BANDWIDTH
RESULT: Pass

5.1.9 TRANSMITTER UNWANTED EMISSIONS IN THE OUT-OF-BAND DOMAIN
RESULT: Pass

5.1.10 TRANSMITTER UNWANTED EMISSIONS IN THE SPURIOUS DOMAIN
RESULT: Pass

5.2.1 RECEIVER SPURIOUS EMISSIONS
RESULT: Pass

5.2.2 RECEIVER BLOCKING
RESULT: Pass

5.2.3 GEO-LOCATION CAPABILITY
RESULT: Not applicable

6.1.1 ELECTROMAGNETIC FIELDS
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 Classical Bluetooth.
Appendix B: Test Results of Bluetooth Low Energy.

2 Test Sites

2.1 Test Facilities

Guangdong Dongdian Testing Service Co.,Ltd.
Unit 2, Building 1, No.17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808

CNAS No.: L6451

The tests at the test sites have been conducted under the supervision of a TÜV engineer.

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Equipment	Manufacturer	Model No.	Serial Number	Cal Due To	Cal. Interval
☒RF Connected Test (RF Measurement System 4#)					
Signal &Spectrum Analyzer	R&S	FSV3044	101173	2025/03/31	1 Year
Wideband Radio Communication Tester	R&S	CMW500	168801	2025/03/31	1 Year
MXG Vector Signal Generator	Agilent	N5182A	MY48180737	2025/03/31	1 Year
PSG Vector Signal Generator	Agilent	E8267D	US49060192	2025/09/04	1 Year
RF Control Unit	Tonsend	JS0806-2	21I8060485	2025/03/31	1 Year
TEMP&HUMI Programmable Chamber	ZHIXIANG	ZXGDJS-150L	ZX170110-A	2025/04/22	1 Year
Test Software	Tonscend	JS1120-3	Ver.3.2.22	N/A	N/A

☒RF Radiated Test					
Equipment	Manufacturer	Model No.	Serial No.	Cal Due To	Cal. Interval
High Pass filter	Xi'an Xingbo	XBLBQ-GTA67	DDT-ZC02179	2025/04/22	1 Year
High pass filter	Micro-Tronics	HPM50102	DDT-ZC00561	2025/04/22	1 Year
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/	/
RF Cable	N/A	W24.02 HL-562	DDT-ZC04022	2025/03/31	1 Year
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2025/03/31	1 Year
RF cable	Yuhu Technology	JCTB810-NJ-NJ-9M	DDT-ZC02538	2025/03/31	1 Year
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2025/03/31	1 Year
RF cable	Zhongke Junchuang	JCT26S-NJ-NJ-1.5M	DDT-ZC02762	2025/03/31	1 Year
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	DDT-ZC02050	2025/07/11	2 Year
Pre-amplifier	COM-POWER	PAM-118A	DDT-ZC01293	2025/07/08	1 Year
High pass filter	Micro-Tronics	HPM50108	DDT-ZC00560	2025/04/22	1 Year
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/	/
RF Cable	N/A	W13.02 AP1-X2	DDT-ZC04023	2025/03/31	1 Year

Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2025/04/26	1 Year
Hochgewinn-Hornantenne	SCHWARZBECK	BBHA 9120 D	DDT-ZC02129	2025/09/18	2 Year
RF cable	Yuhu Technology	ZT26S-SMAJ-SMAJ-1M	DDT-ZC02037	2025/03/31	1 Year
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2025/03/31	1 Year

2.3 Uncertainty of Measurement

The value of the measurement uncertainty of each parameter is listed as below:

Table 2: Maximum Measurement Uncertainty

Test Item	Uncertainty
Bandwidth	1.1%
Peak Output Power (Conducted) (Spectrum analyzer)	0.86 dB (10 MHz ≤ f < 3.6 GHz);
	1.38 dB (3.6 GHz ≤ f < 8 GHz)
Peak Output Power (Conducted) (Power Sensor)	0.74 dB
Power Spectral Density	0.74 dB (10 MHz ≤ f < 3.6 GHz);
	1.38 dB (3.6 GHz ≤ f < 8 GHz)
Frequencies Stability	6.7×10^{-8} (Antenna couple method)
	5.5×10^{-8} (Conducted method)
Conducted spurious emissions	0.86 dB (10 MHz ≤ f < 3.6 GHz);
	1.40 dB (3.6 GHz ≤ f < 8 GHz)
	1.66 dB (8 GHz ≤ f < 26.5 GHz)
Uncertainty for radio frequency (RBW < 20 kHz)	3×10^{-8}
Temperature	0.4 ℃
Humidity	2 %
Uncertainty for Radiation Emission test (9 kHz – 30 MHz)	3.44 dB
Uncertainty for Radiation Emission test (30 MHz - 1 GHz)	4.70 dB (Antenna Polarize: V)
	4.84 dB (Antenna Polarize: H)
Uncertainty for Radiation Emission test (1 GHz - 40 GHz)	4.10 dB (1 - 6 GHz)
	4.40 dB (6 GHz - 18 GHz)
	3.54 dB (18 GHz - 26 GHz)
	4.30 dB (26 GHz - 40 GHz)
Uncertainty for Power line conduction emission test	3.34dB (150KHz-30MHz)
	3.72dB (9KHz-150KHz)
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

3 General Product Information

3.1 Product Function and Intended Use

The EUT is a Multimedia Speaker with Bluetooth Dual technology, and used for audio entertainment in house or similar environment.

This product has different color of enclosure.

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	Multimedia Speaker
Type Designation	EDF286012
Trade Mark	EDIFIER
Extreme Temperature Range	0°C - +35°C
Operating Voltage	AC 100-240V, 50/60Hz, 300mA
Technical Specification of Bluetooth (BDR & EDR)	
Operating Frequency Channel	2402 – 2480 MHz
Bluetooth Core Version	5.4
Channel Number	79 channels
Channel separation	1MHz
Modulation	GFSK, π/4DQPSK, 8DPSK
Antenna Type	PCB Layout antenna
Antenna Gain	2.59 dBi (Provide by the Client)
Technical Specification of Bluetooth (Bluetooth Low Energy)	
Operating Frequency Channel	2402 – 2480 MHz for data rate 1Mbps 2404 – 2478 MHz for data rate 2Mbps Note: 2402MHz/2426MHz/2480MHz will be disable via software for date rate 2Mbps.
Bluetooth Core Version	5.4
Data rate	1Mbps, 2Mbps
Channel Number	40 channels for data rate 1Mbps 37 channels for data rate 2Mbps
Channel separation	2MHz
Modulation	GFSK
Antenna Type	PCB Layout antenna
Antenna Gain	2.59 dBi (Provide by the Client)

Table 4: RF Channel and Frequency of Classical Bluetooth

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		

Table 5: RF Channel and Frequency of Bluetooth Low Energy

RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)
00	**2402.00**	10	2422.00	20	2442.00	30	2462.00
01	2404.00	11	2424.00	21	2444.00	31	2464.00
02	2406.00	12	2426.00	22	2446.00	32	2466.00
03	2408.00	13	2428.00	23	2448.00	33	2468.00
04	2410.00	14	2430.00	24	2450.00	34	2470.00
05	2412.00	15	2432.00	25	2452.00	35	2472.00
06	2414.00	16	2434.00	26	2454.00	36	2474.00
07	2416.00	17	2436.00	27	2456.00	37	2476.00
08	2418.00	18	2438.00	28	2458.00	38	2478.00
09	2420.00	**19**	**2440.00**	29	2460.00	**39**	**2480.00**

3.3 Independent Operation Modes

The basic operation modes are:

A. On, Bluetooth mode (BDR & EDR & BLE)
   1. Transmitting mode
      a. Low channel
      b. Middle channel
      c. High channel
   2. Receiving mode
      a. Low channel
      d. Middle channel
      b. High channel

B. On, Bluetooth playing

C. Off

3.4 Noise Generating and Noise Suppressing Parts

For details refer to the Circuit Diagram.

3.5 Submitted Documents

- Block Diagram
- Schematics
- User Manual
- Rating Label

4 Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

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.

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.

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5 and chapter 7.

4.3 Special Accessories and Auxiliary Equipment

Table 6: List of Accessories and Auxiliary Equipment

Description	Manufacturer	Model	S/N
Notebook	Lenovo	ThinkPad X2502	2014AP6082

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.

5 Test Results ERM

5.1 Transmitter Requirement & Test Suites

5.1.1 RF Output Power

RESULT: **Pass**

Test Specification

Test standard	:	EN 300 328 V2.2.2
Test requirement	:	Clause 4.3.1.2 of EN 300 328 Clause 4.3.2.2 of EN 300 328
Limit	:	Clause 4.3.1.2.3 of EN 300 328 Clause 4.3.2.2.3 of EN 300 328
Test suites	:	Clause 5.4.2 of EN 300 328

Test Setup

Date of testing	:	2024-11-06 - 2024-12-04
Test voltage	:	AC 230V, 50Hz
Test environment	:	Normal and extreme temperature
Operation mode	:	A.1
Ambient temperature	:	26.0 ℃
Relative humidity	:	43.2 %
Atmospheric pressure	:	101.4 kPa

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

5.1.2 Power Spectral Density

RESULT: **Pass**

Test Specification

Test standard	:	EN 300 328 V2.2.2
Test requirement	:	Clause 4.3.2.3 of EN 300 328
Limit	:	Clause 4.3.2.3.3 of EN 300 328
Test suites	:	Clause 5.4.3 of EN 300 328

Test Setup

Date of testing	:	2024-11-06 - 2024-12-04
Test voltage	:	AC 230V, 50Hz
Test environment	:	Normal temperature
Operation mode	:	A.1
Ambient temperature	:	26.0 ℃
Relative humidity	:	43.2 %
Atmospheric pressure	:	101.4 kPa

For the measurement records, refer to the appendix B.

5.1.3 Duty Cycle, TX-sequence, TX-gap

RESULT: **Not applicable**

Test Specification

Test standard	:	EN 300 328 V2.2.2
Test requirement	:	Clause 4.3.1.3 of EN 300 328
Limit	:	Clause 4.3.1.3.3 of EN 300 328
Test suites	:	Clause 5.4.2 of EN 300 328

Exemption Condition(s):

☒ These requirements apply to non-adaptive equipment or to adaptive equipment when operating in non-adaptive mode. The equipment is using wide band modulations other than FHSS.

Conclusion:

The EUT is adaptive equipment and does not support non-adaptive mode, hence this requirement is not applicable.

5.1.4 Accumulated Transmit Time, Frequency Occupation and Hopping Sequence

RESULT: **Pass**

Test Specification

Test standard	:	EN 300 328 V2.2.2
Test requirement	:	Clause 4.3.1.4 of EN 300 328
Limit	:	Clause 4.3.1.4.3 of EN 300 328
Test suites	:	Clause 5.4.4 of EN 300 328

Test Setup

Date of testing	:	2024-11-06 - 2024-12-04
Test voltage	:	AC 230V, 50Hz
Test environment	:	Normal temperature
Operation mode	:	A.1
Ambient temperature	:	26.0 ℃
Relative humidity	:	43.2 %
Atmospheric pressure	:	101.4 kPa

For the measurement records, refer to the appendix A.

5.1.5 Hopping Frequency Separation

RESULT: **Pass**

Test Specification

Test standard	:	EN 300 328 V2.2.2
Test requirement	:	Clause 4.3.1.5 of EN 300 328
Limit	:	Clause 4.3.1.5.3 of EN 300 328
Test suites	:	Clause 5.4.5 of EN 300 328

Test Setup

Date of testing	:	2024-11-06 - 2024-12-04
Test voltage	:	AC 230V, 50Hz
Test environment	:	Normal temperature
Operation mode	:	A.1
Ambient temperature	:	26.0 ℃
Relative humidity	:	43.2 %
Atmospheric pressure	:	101.4 kPa

For the measurement records, refer to the appendix A.

5.1.6 Medium Utilisation (MU) Factor

RESULT: **Not applicable**

Test Specification

Test standard	:	EN 300 328 V2.2.2
Test requirement	:	Clause 4.3.1.6 of EN 300 328
		Clause 4.3.2.5 of EN 300 328
Limit	:	Clause 4.3.1.6.3 of EN 300 328
		Clause 4.3.2.5.3 of EN 300 328
Test suites	:	Clause 5.4.2 of EN 300 328

Exemption Condition(s):

☒ These requirements apply to non-adaptive equipment or to adaptive equipment when operating in non-adaptive mode. The equipment is using wide band modulations other than FHSS.

Conclusion:

The EUT is adaptive equipment and does not support non-adaptive mode, hence this requirement is not applicable.

5.1.7 Adaptivity

RESULT: **Not applicable**

Test Specification

Test standard	:	EN 300 328 V2.2.2
Test requirement	:	Clause 4.3.1.7.2 of EN 300 328
		Clause 4.3.2.6.3 of EN 300 328
Limit	:	Clause 4.3.1.7.2.2 of EN 300 328
		Clause 4.3.2.6.3.2 of EN 300 328
Test suites	:	Clause 5.4.6 of EN 300 328

Exemption Conditions:

☒ These requirements do not apply for equipment with a maximum declared RF Output power of less than 10 dBm e.i.r.p. or for equipment when operating in a mode where the RF Output power is less than 10 dBm e.i.r.p.

Conclusion:

The maximum declared RF output power is less than 10dBm e.i.r.p., hence this requirement is not applicable.

5.1.8 Occupied Channel Bandwidth

RESULT: **Pass**

Test Specification

Test standard	:	EN 300 328 V2.2.2
Test requirement	:	Clause 4.3.1.8 of EN 300 328
		Clause 4.3.2.7 of EN 300 328
Limit	:	Clause 4.3.1.8.3 of EN 300 328
		Clause 4.3.2.7.3 of EN 300 328
Test suites	:	Clause 5.4.7 of EN 300 328

Test Setup

Date of testing	:	2024-11-06 - 2024-12-04
Test voltage	:	AC 230V, 50Hz
Test environment	:	Normal temperature
Operation mode	:	A.1
Ambient temperature	:	26.0 ℃
Relative humidity	:	43.2 %
Atmospheric pressure	:	101.4 kPa

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

5.1.9 Transmitter Unwanted Emissions in the Out-of-band Domain

RESULT: **Pass**

Test Specification

Test standard	:	EN 300 328 V2.2.2
Test requirement	:	Clause 4.3.1.9 of EN 300 328
		Clause 4.3.2.8 of EN 300 328
Limit	:	Clause 4.3.1.9.3 of EN 300 328
		Clause 4.3.2.8.3 of EN 300 328
Test suites	:	Clause 5.4.8 of EN 300 328

Test Setup

Date of testing	:	2024-11-06 - 2024-12-04
Test voltage	:	AC 230V, 50Hz
Test environment	:	Normal temperature
Operation mode	:	A.1
Ambient temperature	:	26.0 ℃
Relative humidity	:	43.2 %
Atmospheric pressure	:	101.4 kPa

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

5.1.10 Transmitter Unwanted Emissions in the Spurious Domain

RESULT: **Pass**

Test Specification

Test standard	:	EN 300 328 V2.2.2
Test requirement	:	Clause 4.3.1.10 of EN 300 328
		Clause 4.3.2.9 of EN 300 328
Limit	:	Clause 4.3.1.10.3 of EN 300 328
		Clause 4.3.2.9.3 of EN 300 328
Test suites	:	Clause 5.4.9 of EN 300 328

Test Setup

Date of testing	:	2024-11-06 - 2024-12-04
Test voltage	:	AC 230V, 50Hz
Test environment	:	Normal temperature
Operation mode	:	A.1
Ambient temperature	:	Refer to test data
Relative humidity	:	Refer to test data
Atmospheric pressure	:	101.4 kPa

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

5.2 Receiver Requirement & Test Suites

5.2.1 Receiver Spurious Emissions

RESULT: **Pass**

Test Specification

Test standard	:	EN 300 328 V2.2.2
Test requirement	:	Clause 4.3.1.11 of EN 300 328 Clause 4.3.2.10 of EN 300 328
Limit	:	Clause 4.3.1.11.3 of EN 300 328 Clause 4.3.2.10.3 of EN 300 328
Test suites	:	Clause 5.4.10 of EN 300 328

Test Setup

Date of testing	:	2024-11-06 - 2024-12-04
Test voltage	:	AC 230V, 50Hz
Test environment	:	Normal temperature
Operation mode	:	A.2
Ambient temperature	:	Refer to test data
Relative humidity	:	Refer to test data
Atmospheric pressure	:	101.4 kPa

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

5.2.2 Receiver Blocking

RESULT: **Pass**

Test Specification

Test standard	:	EN 300 328 V2.2.2
Test requirement	:	Clause 4.3.1.12 of EN 300 328
		Clause 4.3.2.11 of EN 300 328
Limit	:	Clause 4.3.1.12.4 of EN 300 328
		Clause 4.3.2.11.3 of EN 300 328
Test suites	:	Clause 5.4.11 of EN 300 328

Test Setup

Date of testing	:	2024-11-06 - 2024-12-04
Test voltage	:	AC 230V, 50Hz
Test environment	:	Normal temperature
Operation mode	:	A.2
Ambient temperature	:	26.0 ℃
Relative humidity	:	43.2 %
Atmospheric pressure	:	101.4 kPa

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

For Bluetooth-BDR: the maximum RF output power is 8.14dBm.
For Bluetooth-EDR: the maximum RF output power is 7.31dBm.
For Bluetooth-BLE: the maximum RF output power is 8.79dBm.

Hence according to the 4.2.3.2, the Bluetooth-BDR/EDR and Bluetooth-BLE of EUT is belong category 2 receiver.

5.2.3 Geo-location Capability

RESULT: **Not applicable**

Test Specification

Test standard	:	EN 300 328 V2.2.2
Test requirement	:	Clause 4.3.1.13 of EN 300 328 Clause 4.3.2.12 of EN 300 328

Exemption Conditions:
This requirement only applies to equipment with geo-location capability as defined in clause 4.3.1.13.2 and 4.3.2.12.2.

Conclusion:

The EUT is adaptive equipment and does not support geo-location capability, hence this requirement is not applicable.

6 Safety Human Exposure

6.1 Human Exposure to Electromagnetic Fields 10MHz-300GHz

6.1.1 Electromagnetic Fields

RESULT: **Pass**

Test Specification

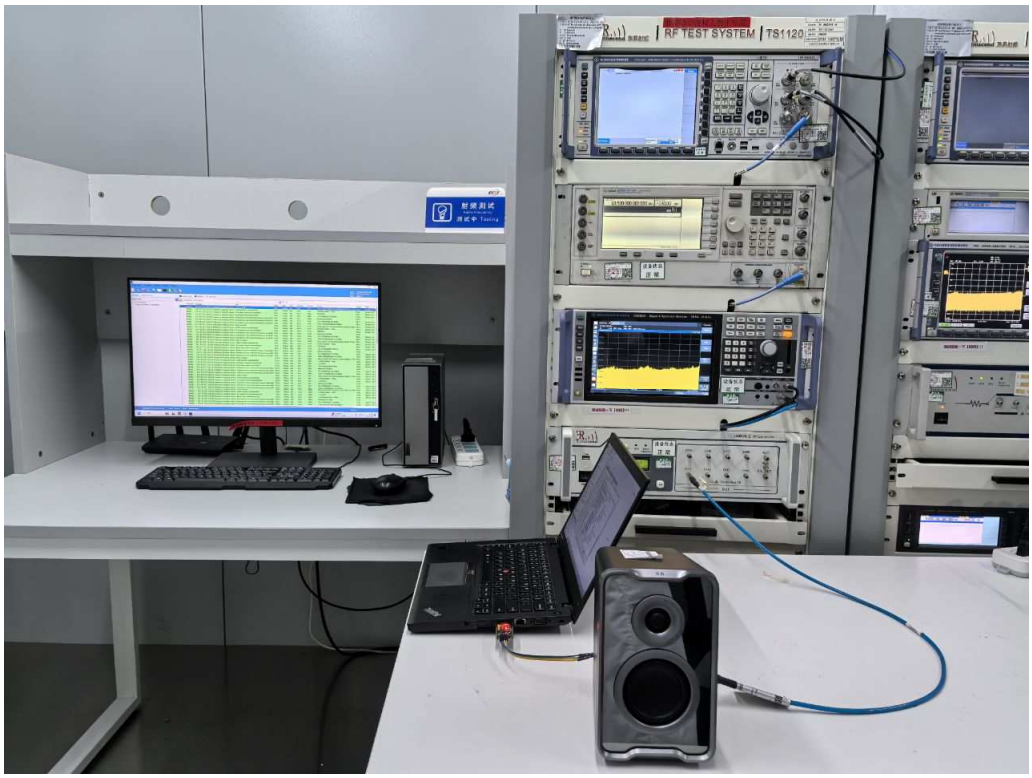
Test standard : EN 62479: 2010

The maximum measured peak power of EUT is only 8.79 dBm (7.568mW).

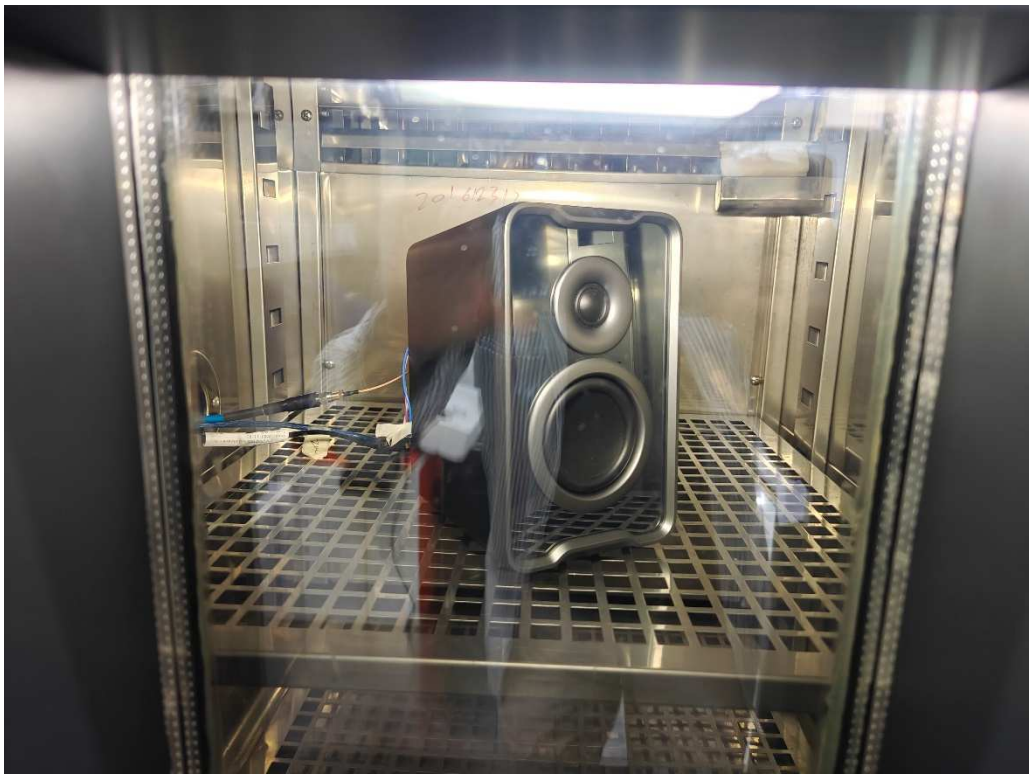
According to EN 62479:2010 clause 4.2, if the average total radiated power emitted by apparatus operating in the frequency range 10MHz-300GHz is less than or equal to 13.01dBm(20mW), then the apparatus is deemed to comply with the basic restrictions without testing.

7 Photographs of the Test Set-Up

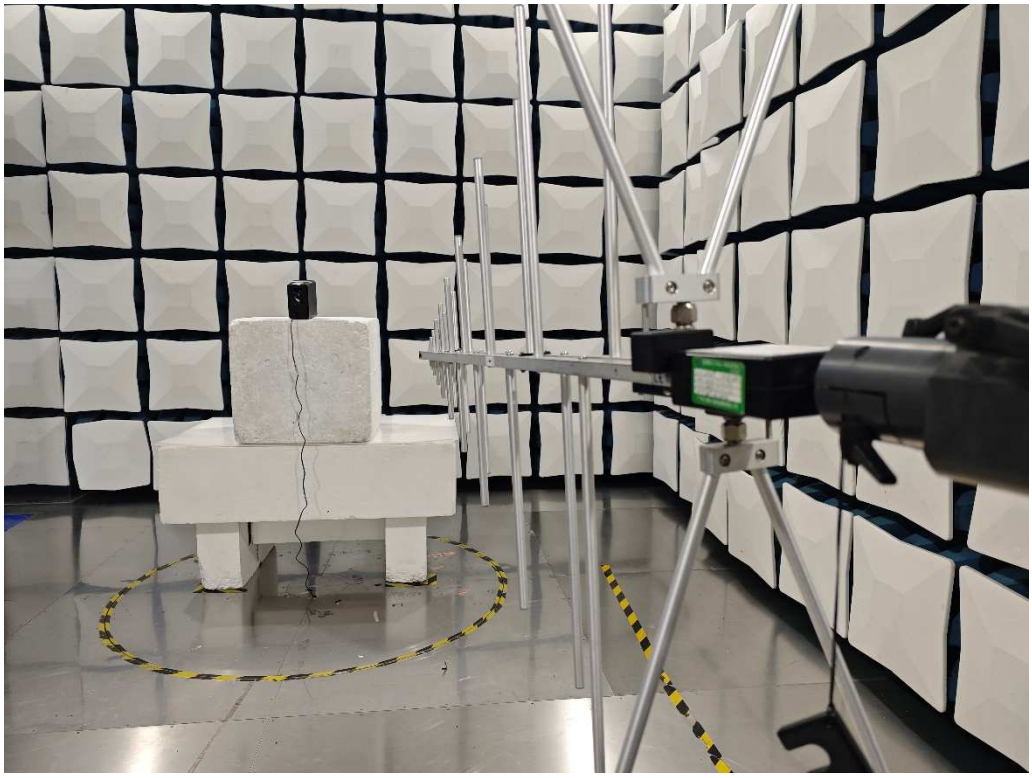
Photograph 1: Set-up for Radio Spectrum Testing, Normal temperature



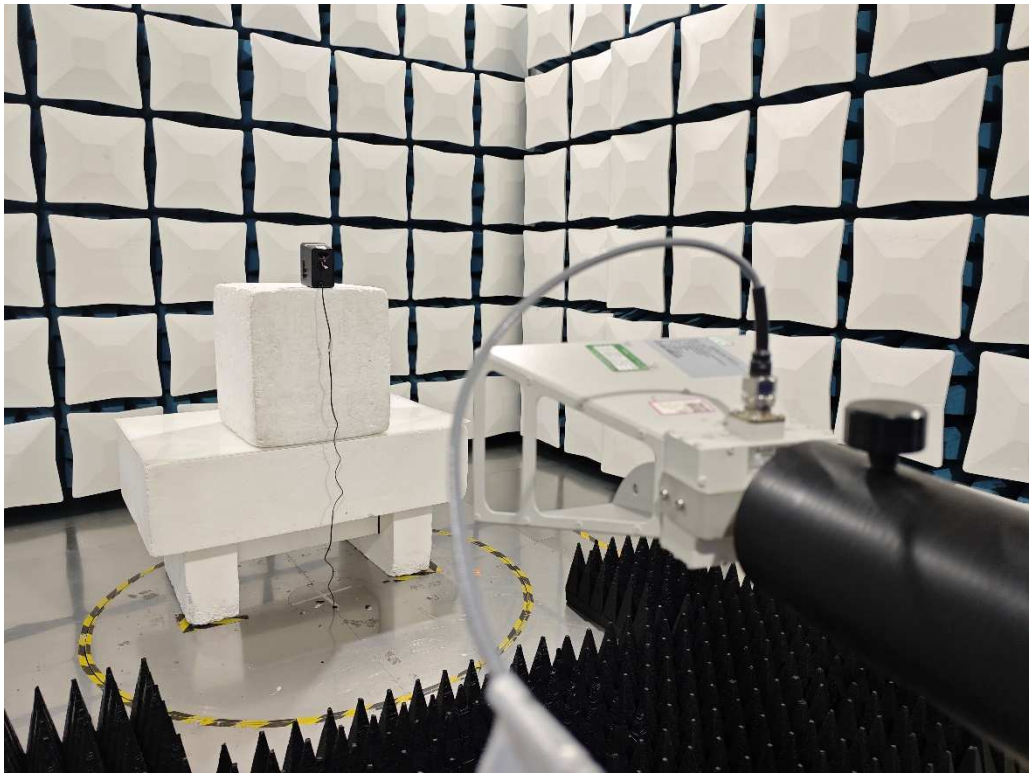
Photograph 2: Set-up for Radio Spectrum Testing, extreme temperature



Photograph 3: Set-up for Transmitter & Receiver Spurious Emissions, below 1GHz



Photograph 4: Set-up for Transmitter & Receiver Spurious Emissions, Above 1GHz



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Appendix A

Test Results of Classical Bluetooth

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1 Appendix A.1 : RF output power

The RF output power is the mean equivalent isotropically radiated power (EIRP) during a transmission burst. Only the worst case for all test modes reported.

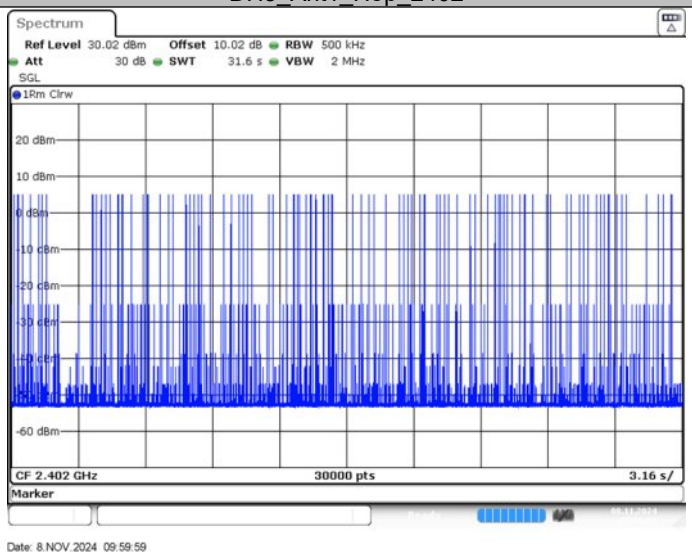
Test Condition	Test Mode	Antenna	Frequency [MHz]	Burst Power [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
NTNV	DH1	Ant1	Hop	5.55	8.14	20	PASS
	DH5	Ant1	Hop	5.44	8.03	20	PASS
	2DH1	Ant1	Hop	4.63	7.22	20	PASS
	2DH5	Ant1	Hop	4.18	6.77	20	PASS
	3DH1	Ant1	Hop	4.72	7.31	20	PASS
	3DH5	Ant1	Hop	4.18	6.77	20	PASS
LTNV	DH1	Ant1	Hop	5.51	8.10	20	PASS
	DH5	Ant1	Hop	5.51	8.10	20	PASS
	2DH1	Ant1	Hop	4.66	7.25	20	PASS
	2DH5	Ant1	Hop	4.17	6.76	20	PASS
	3DH1	Ant1	Hop	4.72	7.31	20	PASS
	3DH5	Ant1	Hop	4.17	6.76	20	PASS
HTNV	DH1	Ant1	Hop	5.55	8.14	20	PASS
	DH5	Ant1	Hop	5.48	8.07	20	PASS
	2DH1	Ant1	Hop	4.69	7.28	20	PASS
	2DH5	Ant1	Hop	4.21	6.80	20	PASS
	3DH1	Ant1	Hop	4.66	7.25	20	PASS
	3DH5	Ant1	Hop	4.13	6.72	20	PASS

Note: EIRP = Measured Highest Pburst Values + Antenna Gain

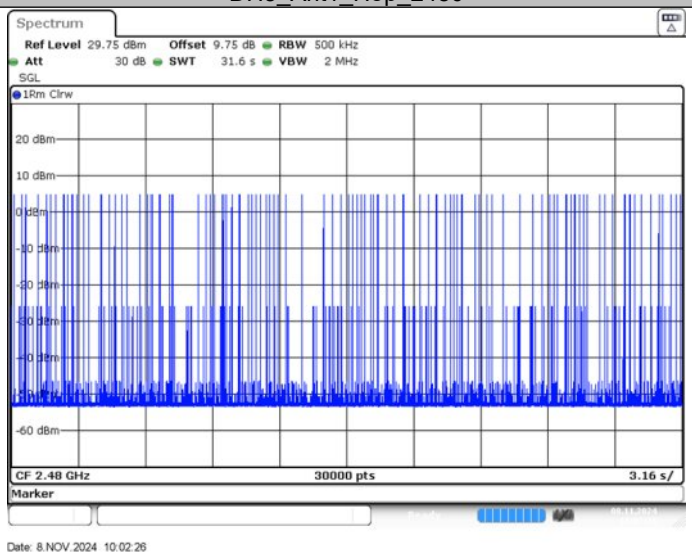
2 Appendix A.2 : Accumulated Transmit Time

Test Mode	Antenna	Channel	Result [ms]	Limit [ms]	Verdict
DH5	Ant1	Hop_2402	300.191	400	PASS
		Hop_2480	322.310	400	PASS
2DH5	Ant1	Hop_2402	309.670	400	PASS
		Hop_2480	288.604	400	PASS
3DH5	Ant1	Hop_2402	283.338	400	PASS
		Hop_2480	289.658	400	PASS

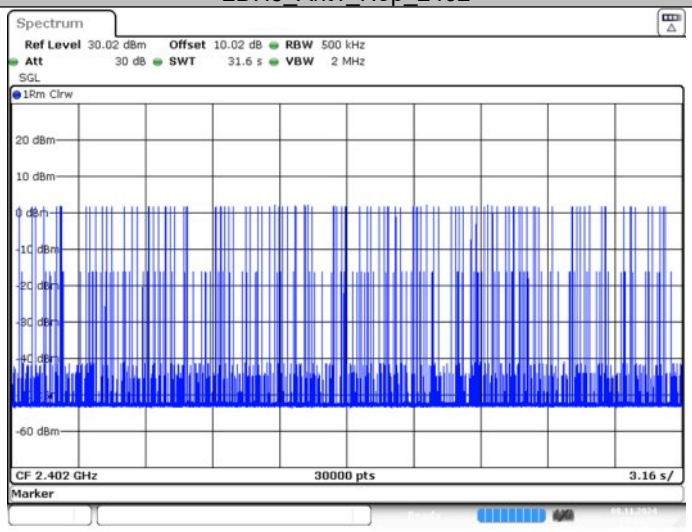
DH5_Ant1_Hop_2402



DH5_Ant1_Hop_2480

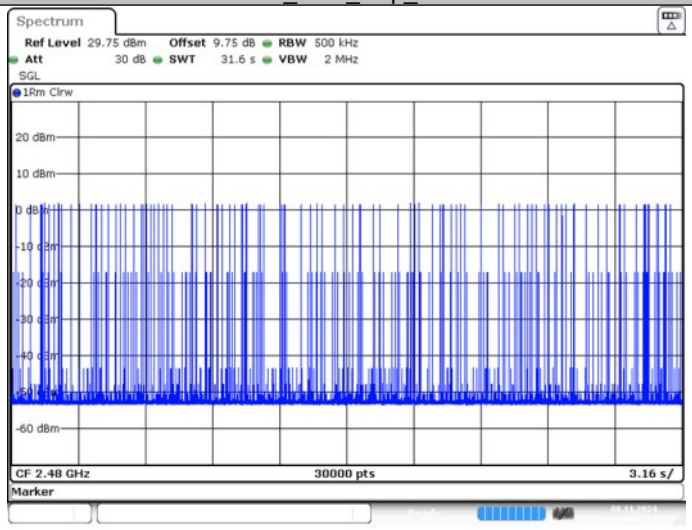


2DH5_Ant1_Hop_2402



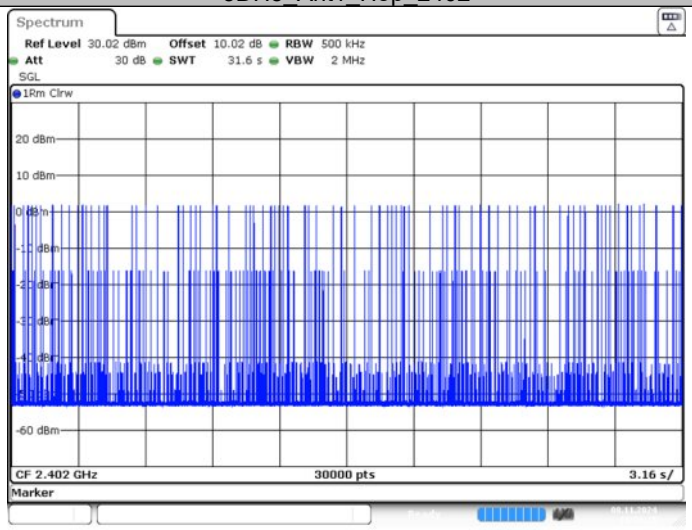
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2DH5_Ant1_Hop_2480



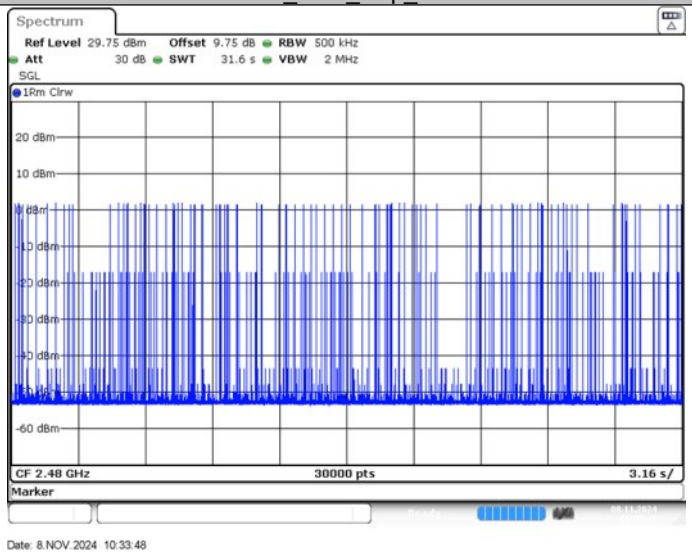
Date: 8.NOV.2024 10:22:13

3DH5_Ant1_Hop_2402



Date: 8.NOV.2024 10:31:15

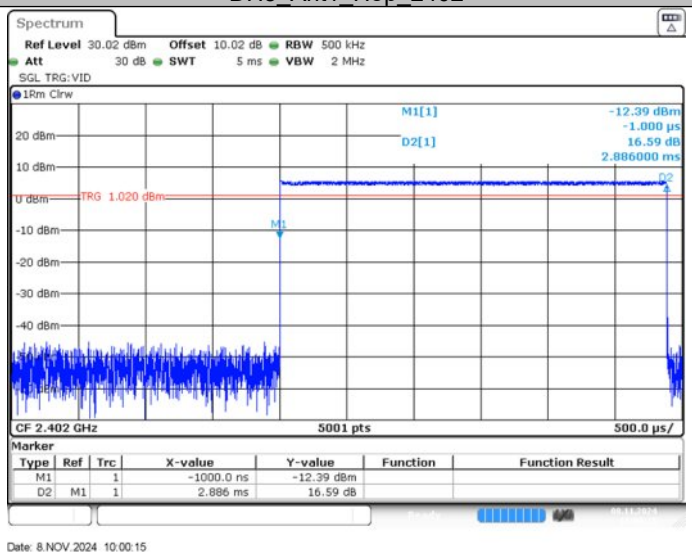
3DH5_Ant1_Hop_2480

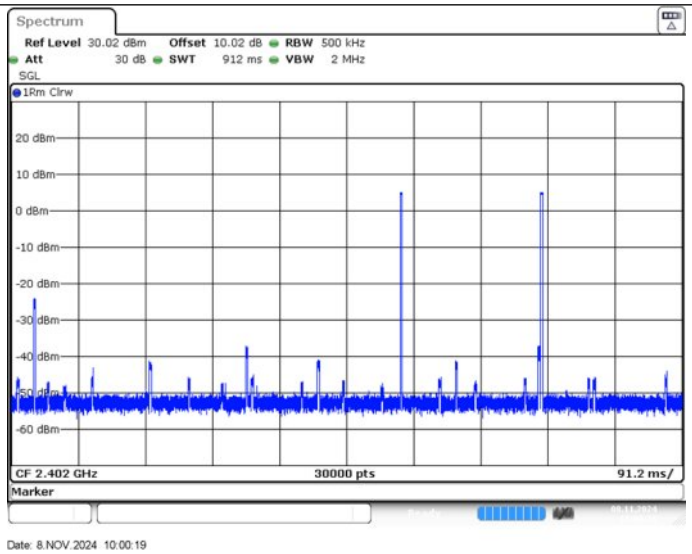


3 Appendix A.3 : Frequency Occupation

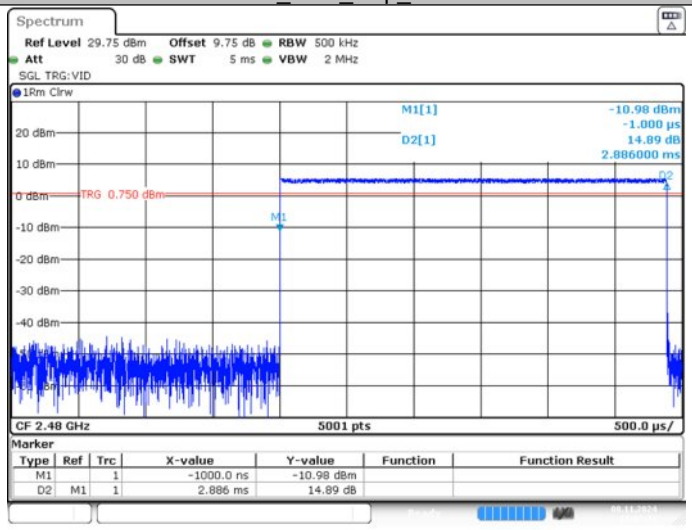
Test Mode	Antenna	Channel	Result [Num.]	Limit [Num.]	Verdict
DH5	Ant1	Hop_2402	2	1	PASS
		Hop_2480	4	1	PASS
2DH5	Ant1	Hop_2402	4	1	PASS
		Hop_2480	6	1	PASS
3DH5	Ant1	Hop_2402	2	1	PASS
		Hop_2480	1	1	PASS

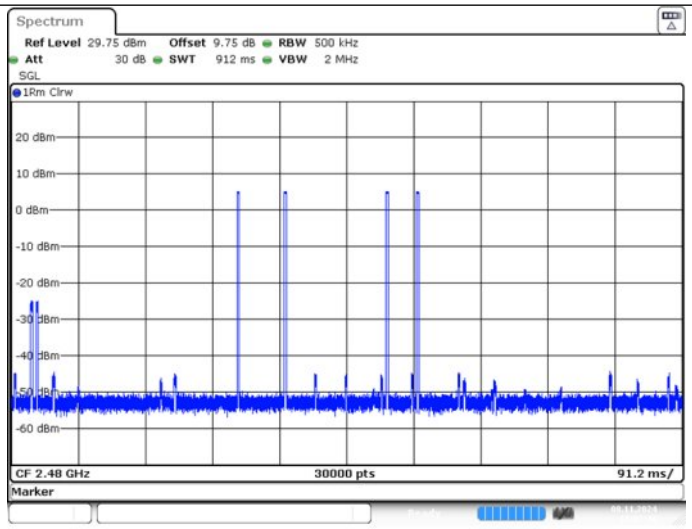
DH5_Ant1_Hop_2402



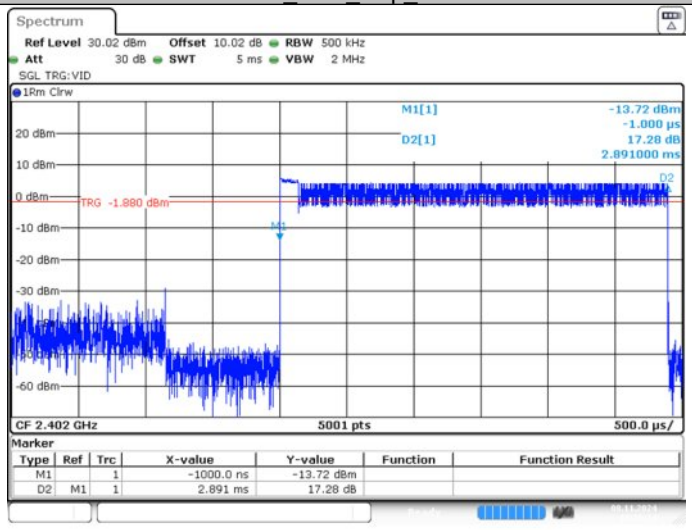


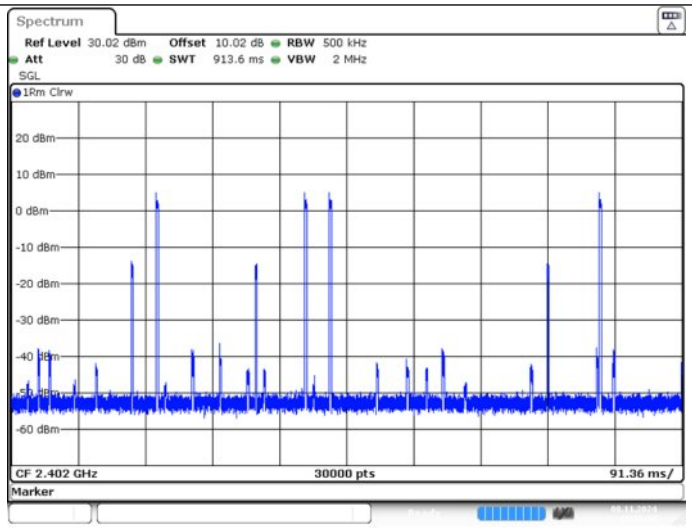
DH5_Ant1_Hop_2480





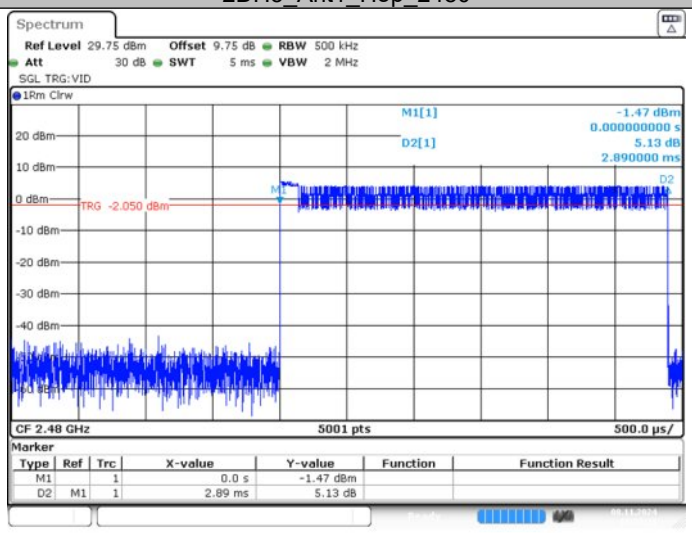
2DH5_Ant1_Hop_2402



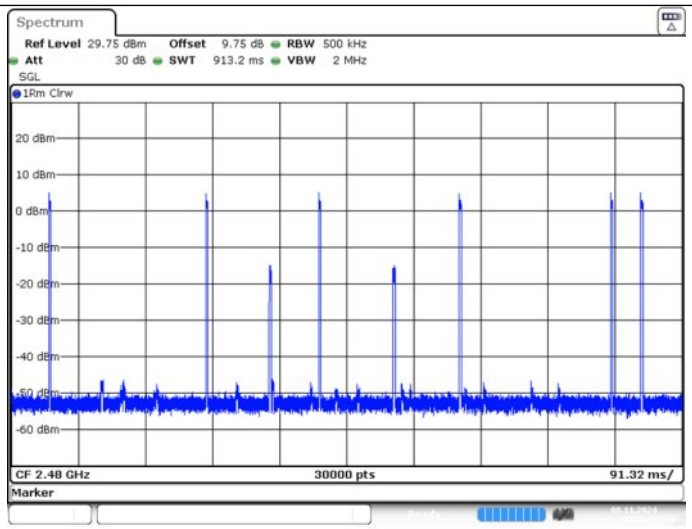


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2DH5_Ant1_Hop_2480

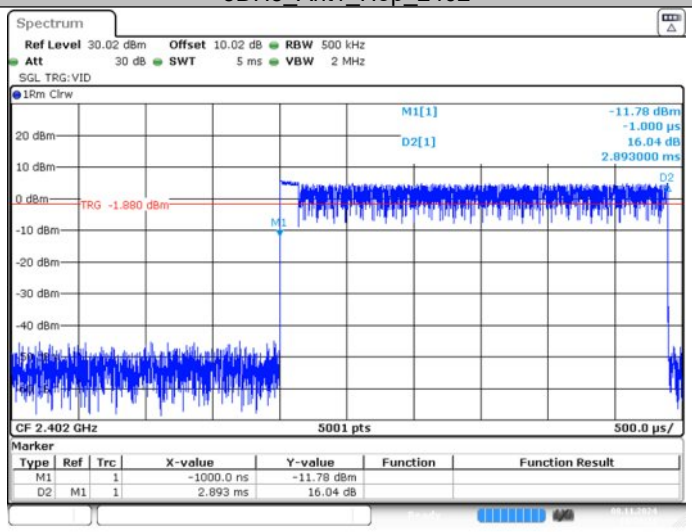


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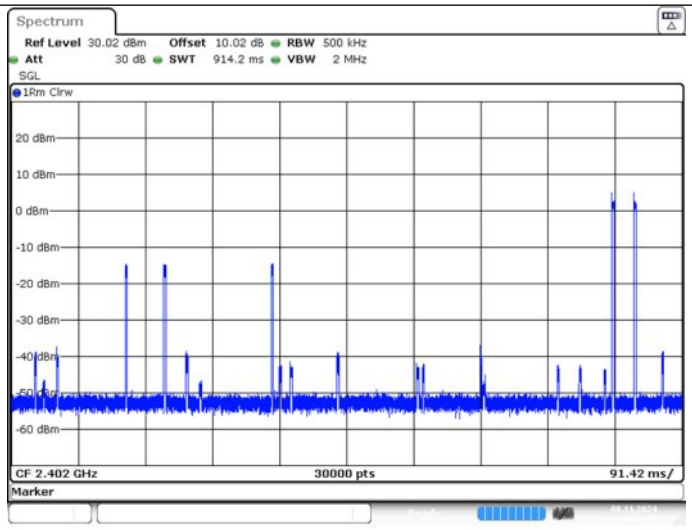


Date: 8.NOV.2024 10:22:33

3DH5_Ant1_Hop_2402

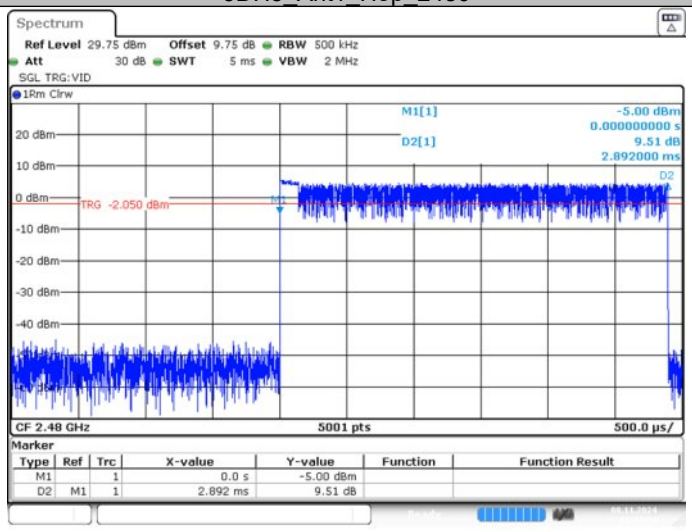


Date: 8.NOV.2024 10:31:31

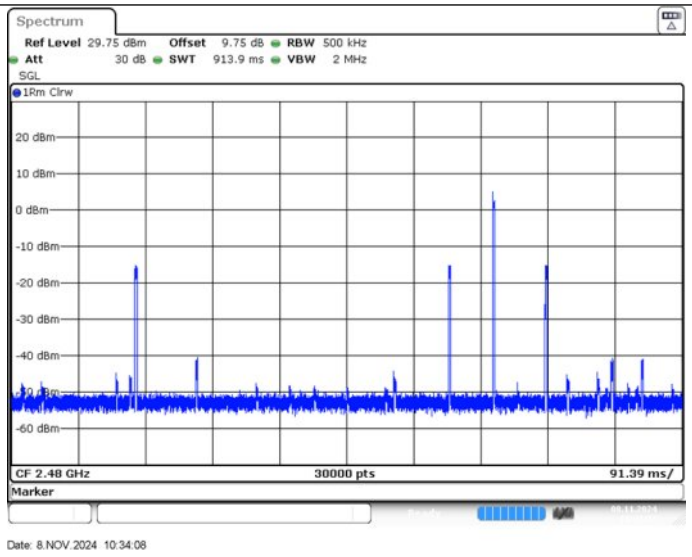


Date: 8.NOV.2024 10:31:35

3DH5_Ant1_Hop_2480



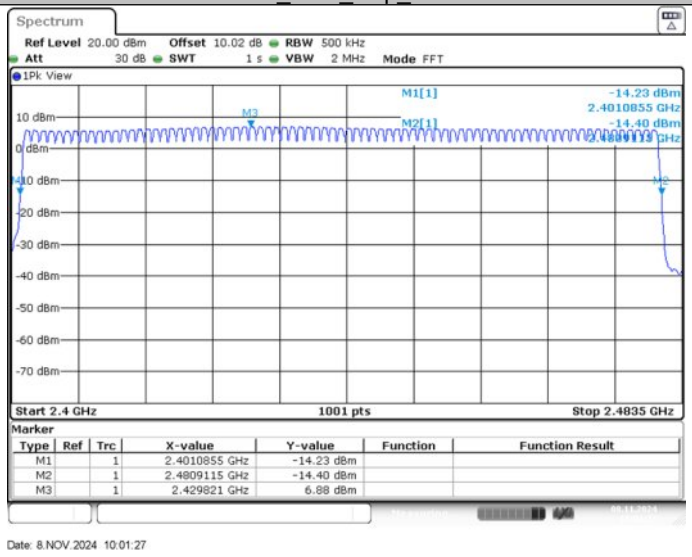
Date: 8.NOV.2024 10:34:04


Spectrum
Ref Level 29.75 dBm Offset 9.75 dB RBW 500 kHz
Att 30 dB SWT 913.9 ms VBW 2 MHz
SGL
1Rm Clrw
20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-60 dBm
CF 2.48 GHz
30000 pts
91.39 ms/
Marker
Date: 8.NOV.2024 10:34:08

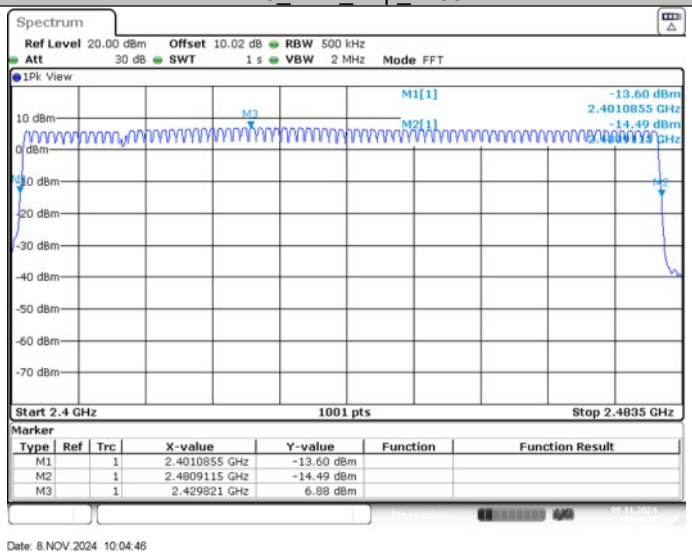
4 Appendix A.4 : Hopping Sequence

Test Mode	Antenna	Channel	Hop. [Num.]	Limit [Num.]	Band Use [%]	Limit [%]	Verdict
DH5	Ant1	Hop_2402	79	15	95.60	70	PASS
		Hop_2480	79	15	95.60	70	PASS
2DH5	Ant1	Hop_2402	79	15	96.20	70	PASS
		Hop_2480	79	15	96.20	70	PASS
3DH5	Ant1	Hop_2402	79	15	96.20	70	PASS
		Hop_2480	79	15	96.20	70	PASS

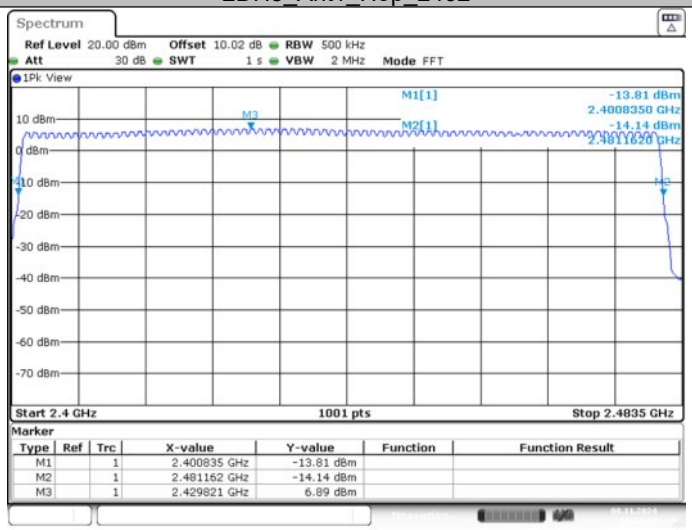
DH5_Ant1_Hop_2402



DH5_Ant1_Hop_2480

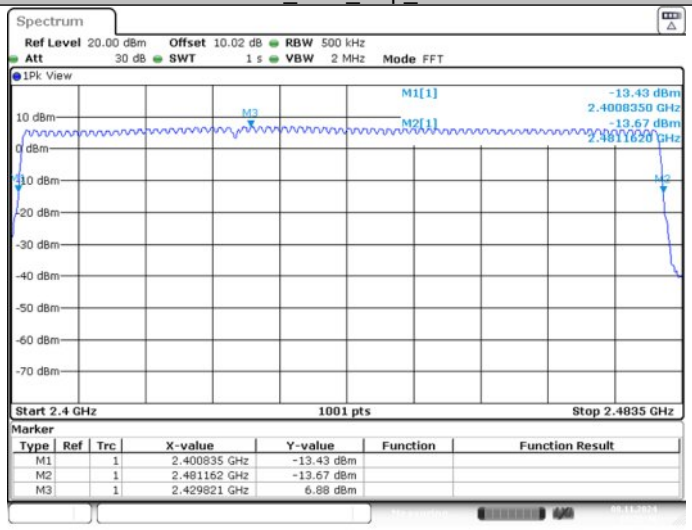


2DH5_Ant1_Hop_2402



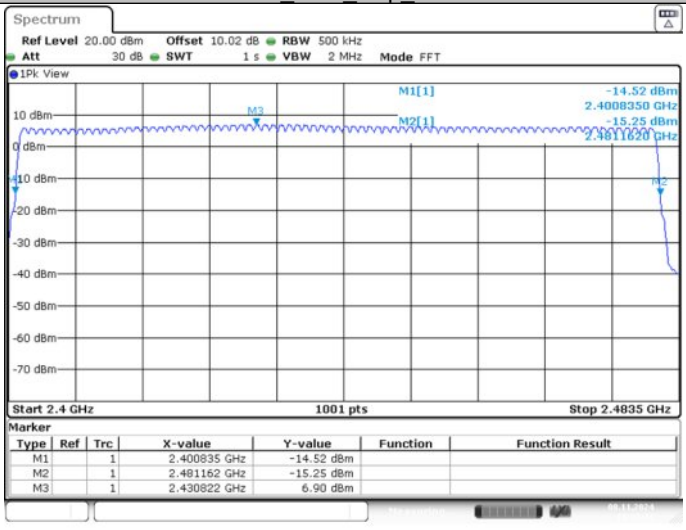
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2DH5_Ant1_Hop_2480



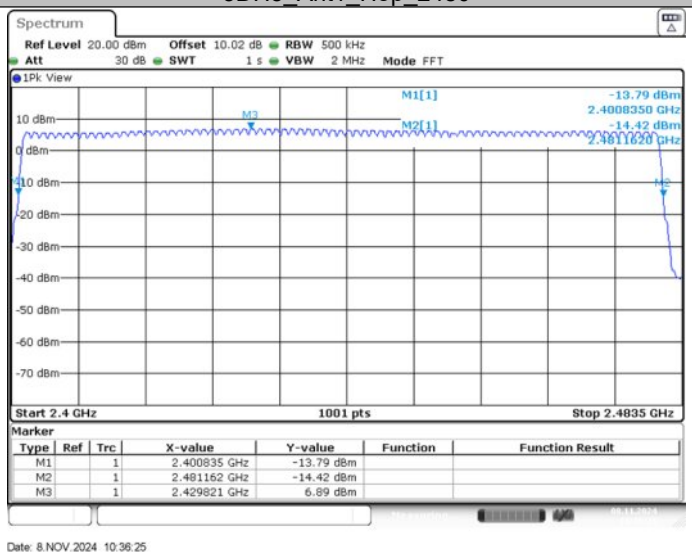
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3DH5_Ant1_Hop_2402



Date: 8.NOV.2024 10:32:43

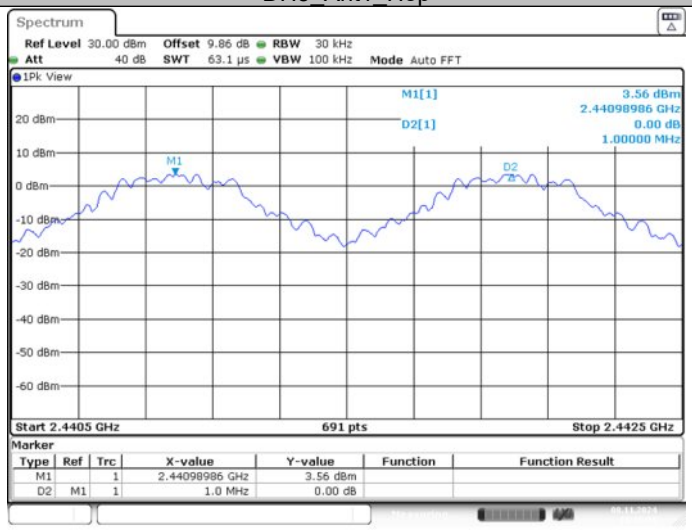
3DH5_Ant1_Hop_2480



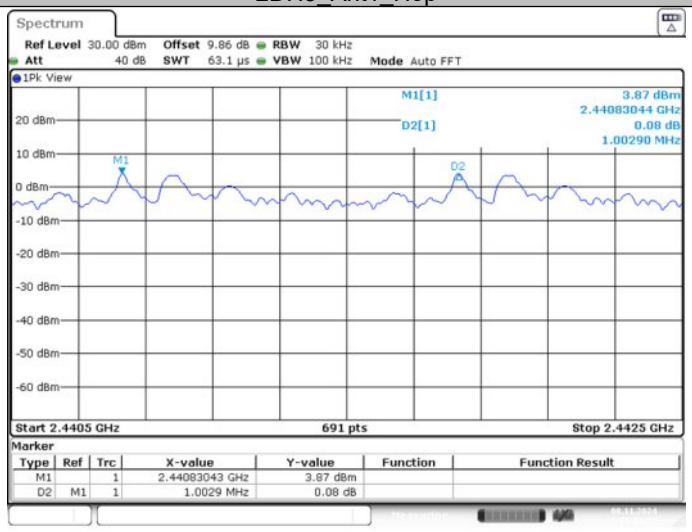
5 Appendix A.5: Hopping Frequency Separation

Test Mode	Antenna	Channel	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	1.000	0.100	PASS
2DH5	Ant1	Hop	1.003	0.100	PASS
3DH5	Ant1	Hop	1.000	0.100	PASS

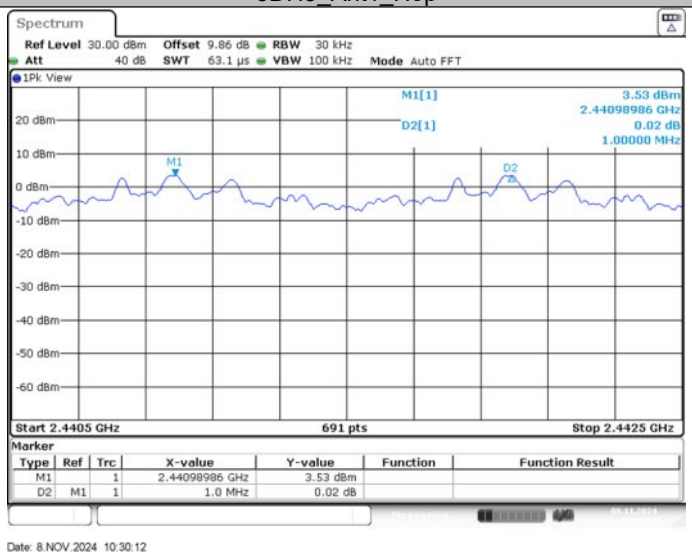
DH5_Ant1_Hop



2DH5_Ant1_Hop



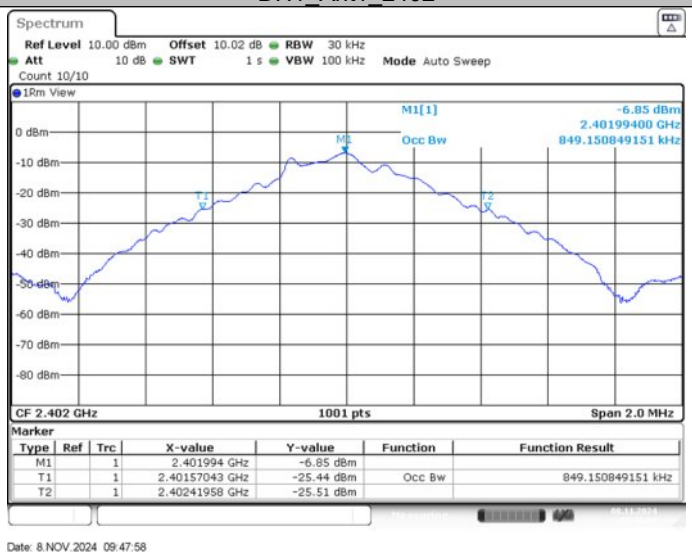
3DH5_Ant1_Hop



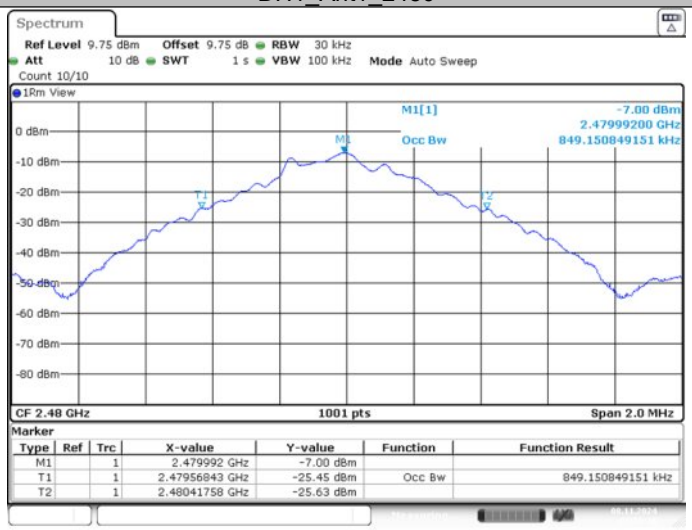
6 Appendix A.6: Occupied Channel Bandwidth

Test Mode	Antenna	Channel	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
DH1	Ant1	2402	0.849	2401.5704	2402.4196	2400 to 2483.5	PASS
		2480	0.849	2479.5684	2480.4176	2400 to 2483.5	PASS
DH5	Ant1	2402	0.875	2401.5544	2402.4296	2400 to 2483.5	PASS
		2480	0.877	2479.5524	2480.4296	2400 to 2483.5	PASS
2DH1	Ant1	2402	1.167	2401.3986	2402.5654	2400 to 2483.5	PASS
		2480	1.169	2479.3966	2480.5654	2400 to 2483.5	PASS
2DH5	Ant1	2402	1.215	2401.3906	2402.6054	2400 to 2483.5	PASS
		2480	1.213	2479.3886	2480.6014	2400 to 2483.5	PASS
3DH1	Ant1	2402	1.167	2401.4206	2402.5874	2400 to 2483.5	PASS
		2480	1.169	2479.4186	2480.5874	2400 to 2483.5	PASS
3DH5	Ant1	2402	1.221	2401.3806	2402.6014	2400 to 2483.5	PASS
		2480	1.225	2479.3766	2480.6014	2400 to 2483.5	PASS

DH1_Ant1_2402

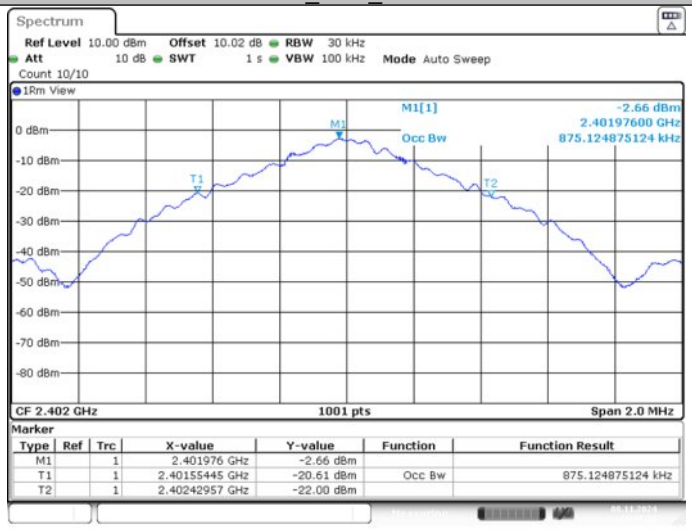


DH1_Ant1_2480



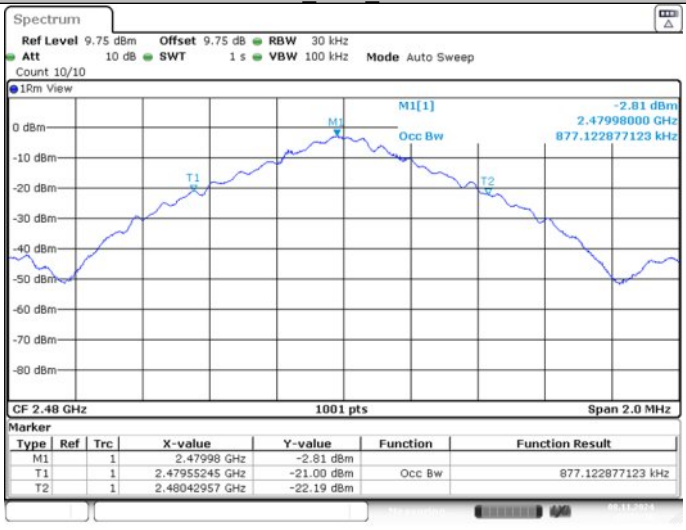
Date: 8.NOV.2024 09:50:16

DH5_Ant1_2402



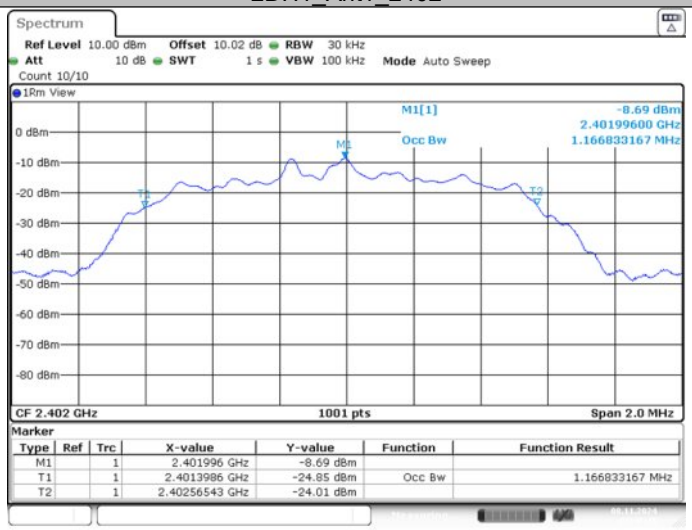
Date: 8.NOV.2024 09:48:19

DH5_Ant1_2480



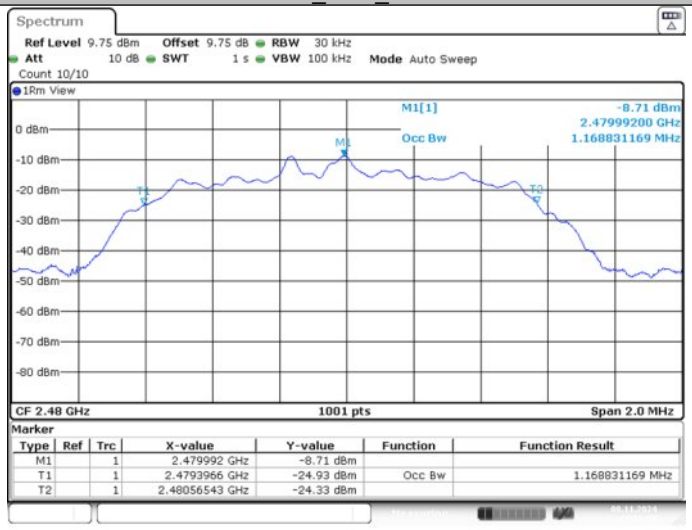
Date: 8.NOV.2024 09:50:36

2DH1_Ant1_2402



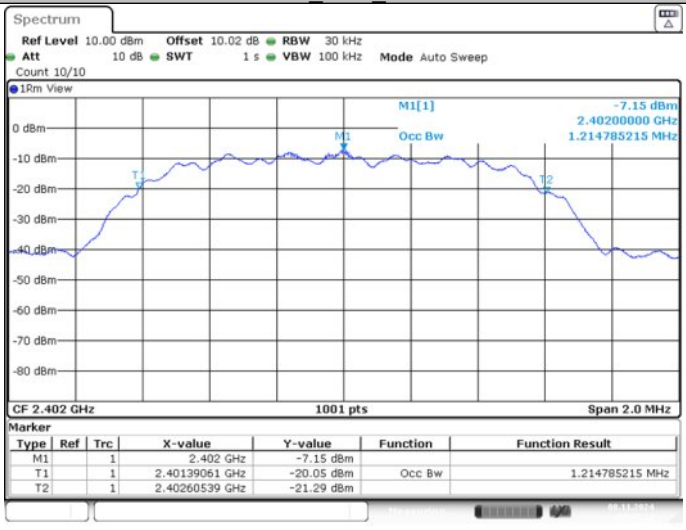
Date: 8.NOV.2024 09:48:46

2DH1_Ant1_2480



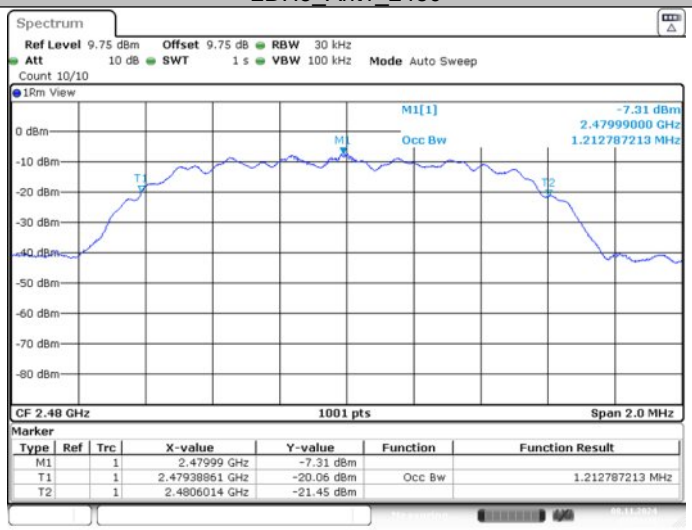
Date: 8.NOV.2024 09:50:55

2DH5_Ant1_2402



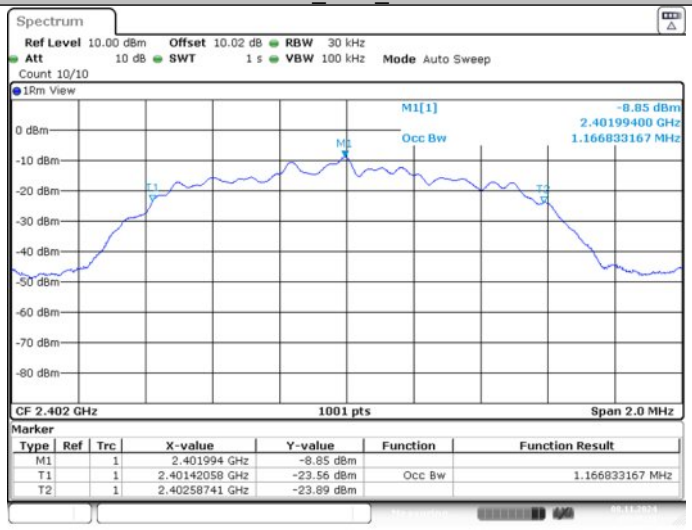
Date: 8.NOV.2024 09:49:11

2DH5_Ant1_2480



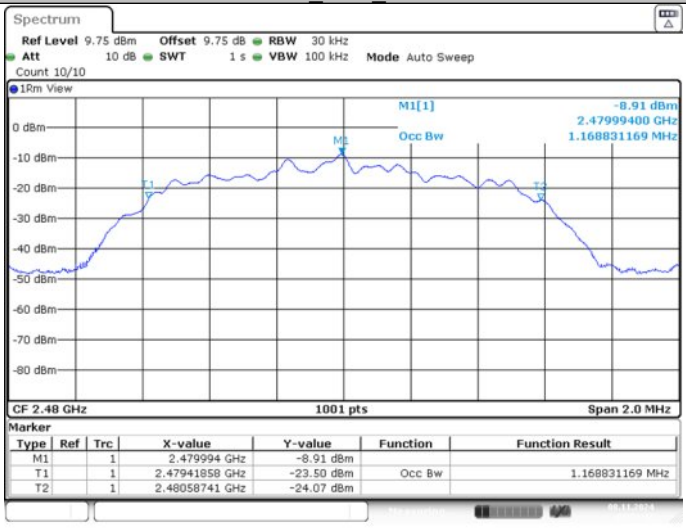
Date: 8.NOV.2024 09:51:20

3DH1_Ant1_2402



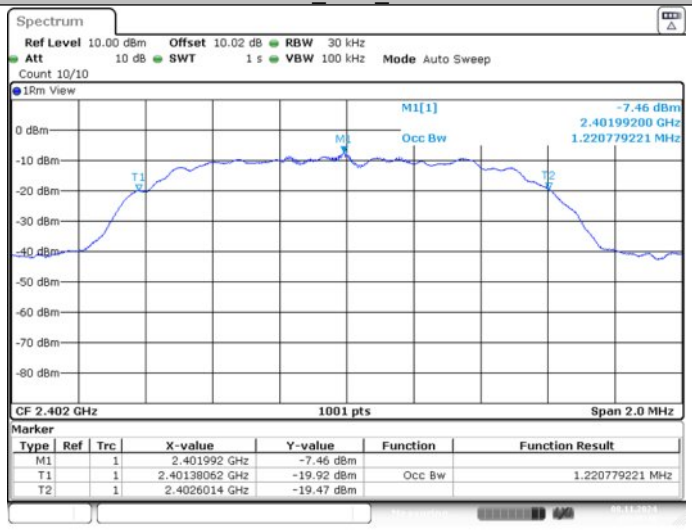
Date: 8.NOV.2024 09:49:30

3DH1_Ant1_2480



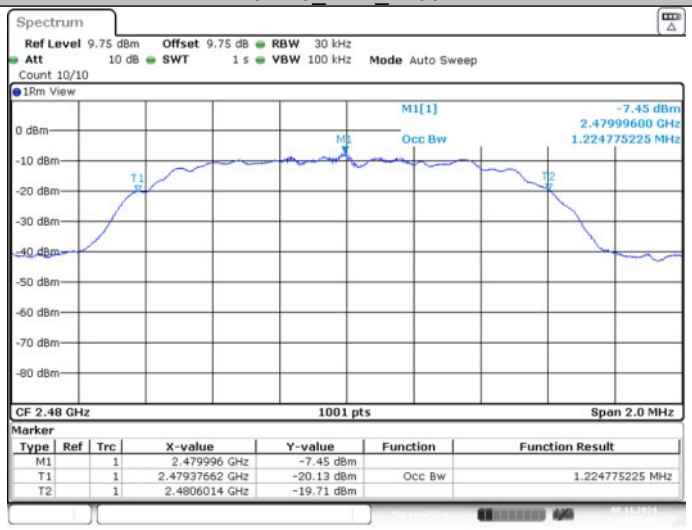
Date: 8.NOV.2024 09:51:42

3DH5_Ant1_2402



Date: 8.NOV.2024 09:49:48

3DH5_Ant1_2480

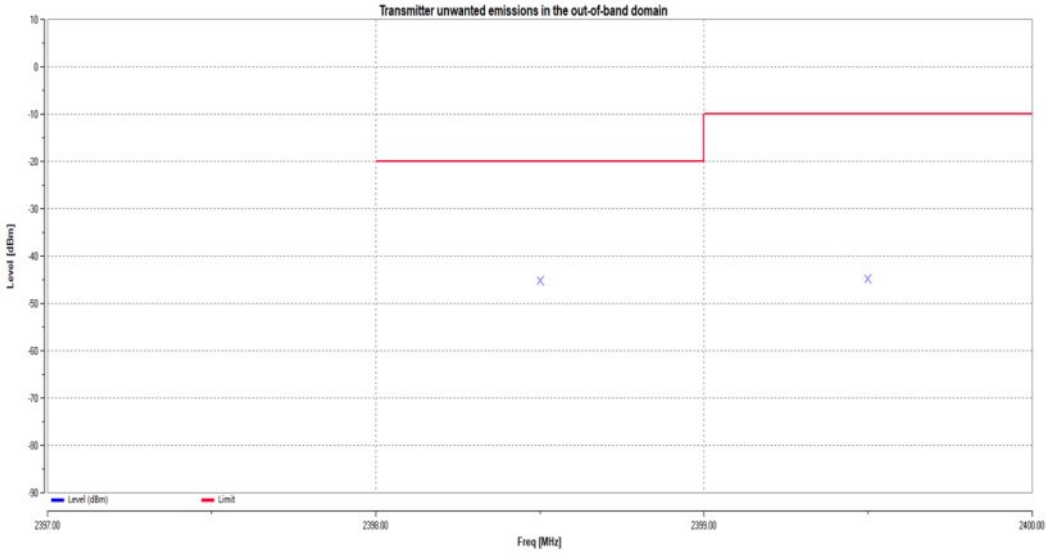


Date: 8.NOV.2024 09:52:01

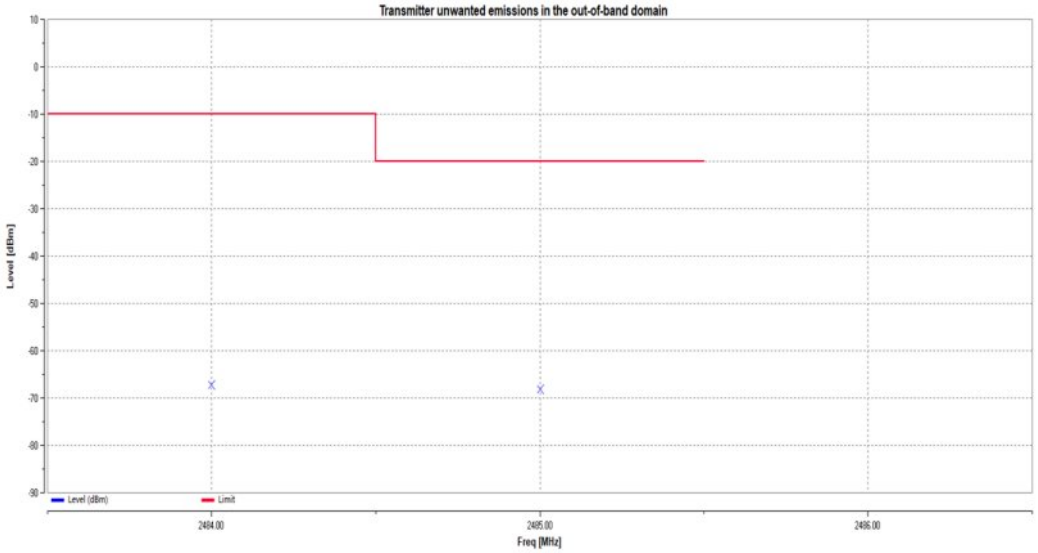
7 Appendix A.7 : Tx unwanted emissions in the out-of-band domain

Test Mode	Antenna	Channel	Frequency [MHz]	Level [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Hop	2398.500	-45.24	-20.00	PASS
			2399.500	-44.85	-10.00	PASS
			2484.000	-67.15	-10.00	PASS
			2485.000	-68.08	-20.00	PASS
2DH5	Ant1	Hop	2398.070	-54.49	-20.00	PASS
			2398.285	-56.37	-20.00	PASS
			2399.285	-55.00	-10.00	PASS
			2399.500	-57.10	-10.00	PASS
			2484.000	-43.26	-10.00	PASS
			2484.215	-44.44	-10.00	PASS
			2485.215	-47.24	-20.00	PASS
			2485.430	-46.59	-20.00	PASS
3DH5	Ant1	Hop	2398.050	-56.04	-20.00	PASS
			2398.275	-45.60	-20.00	PASS
			2399.275	-55.29	-10.00	PASS
			2399.500	-50.10	-10.00	PASS
			2484.000	-47.00	-10.00	PASS
			2484.225	-47.04	-10.00	PASS
			2485.225	-45.79	-20.00	PASS
			2485.450	-46.72	-20.00	PASS

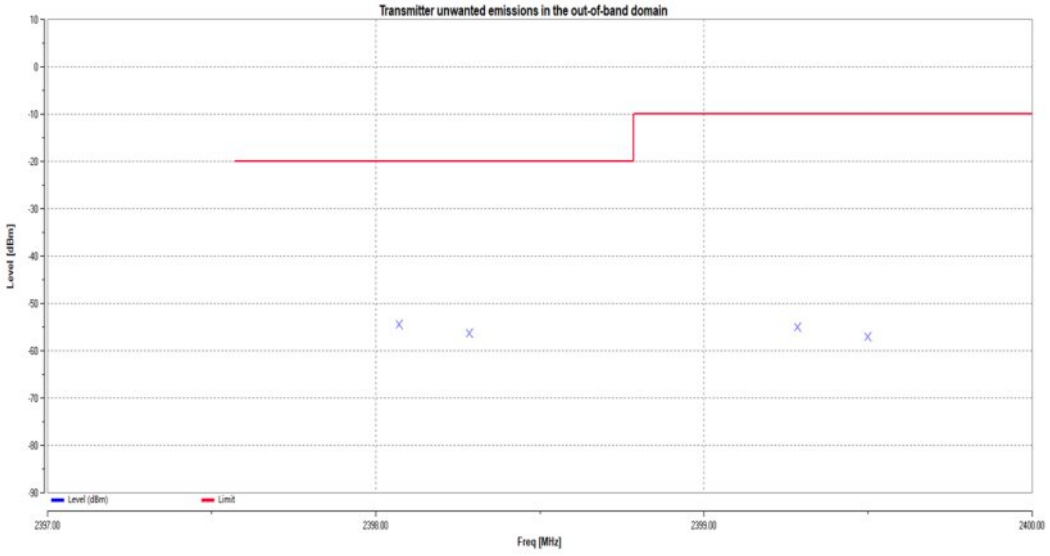
DH5_Ant1_Hop_2400MHz-2BW to 2400MHz



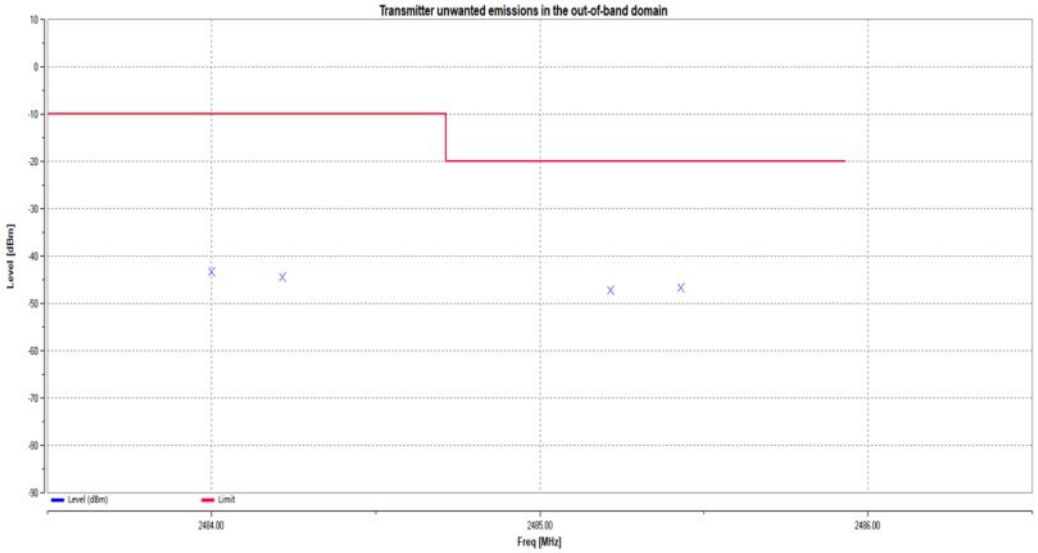
DH5_Ant1_Hop_2483.5MHz to 2483.5MHz+2BW



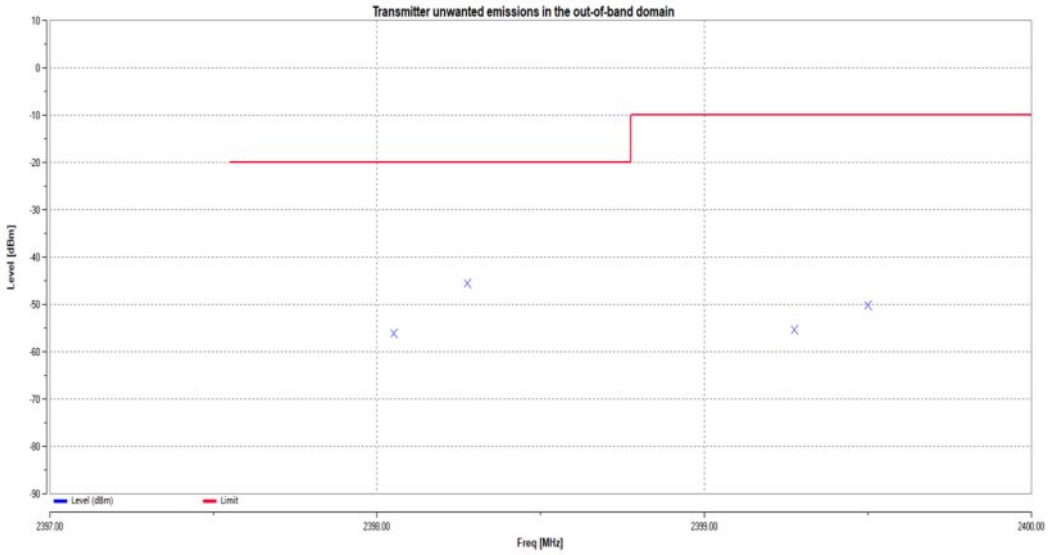
2DH5_Ant1_Hop_2400MHz-2BW to 2400MHz



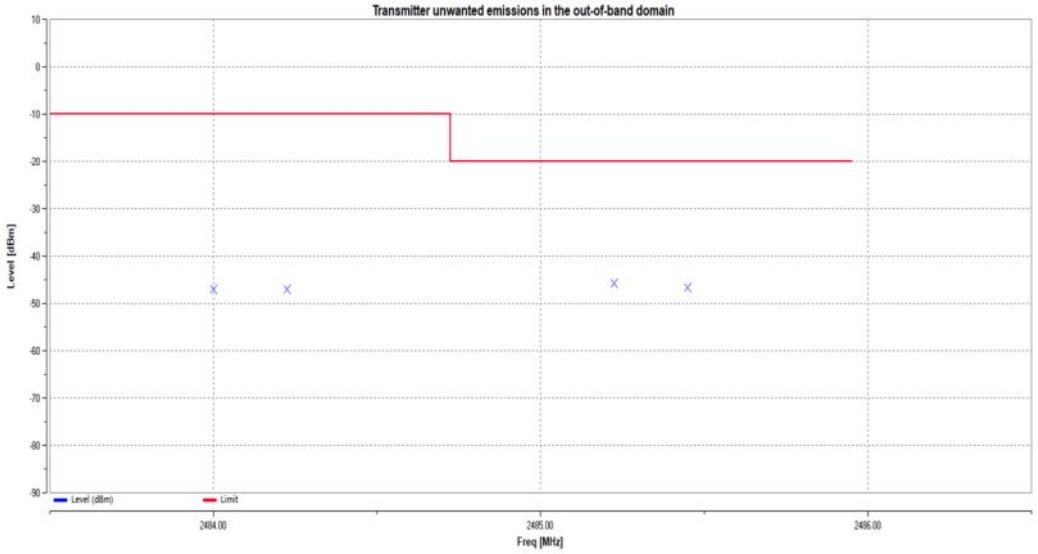
2DH5_Ant1_Hop_2483.5MHz to 2483.5MHz+2BW



3DH5_Ant1_Hop_2400MHz-2BW to 2400MHz



3DH5_Ant1_Hop_2483.5MHz to 2483.5MHz+2BW

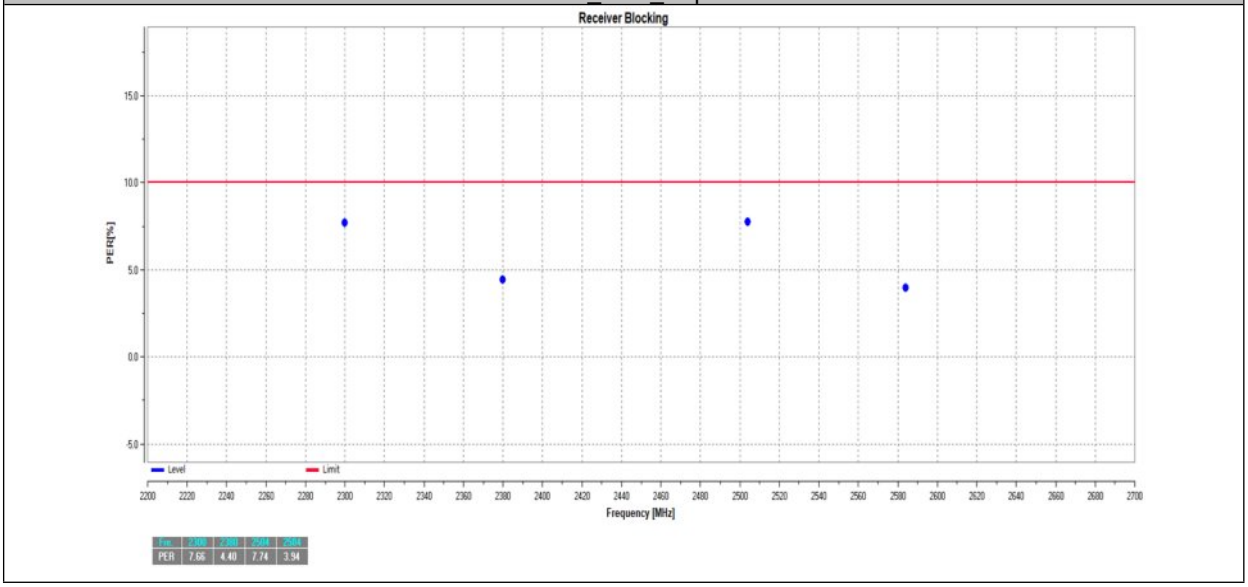


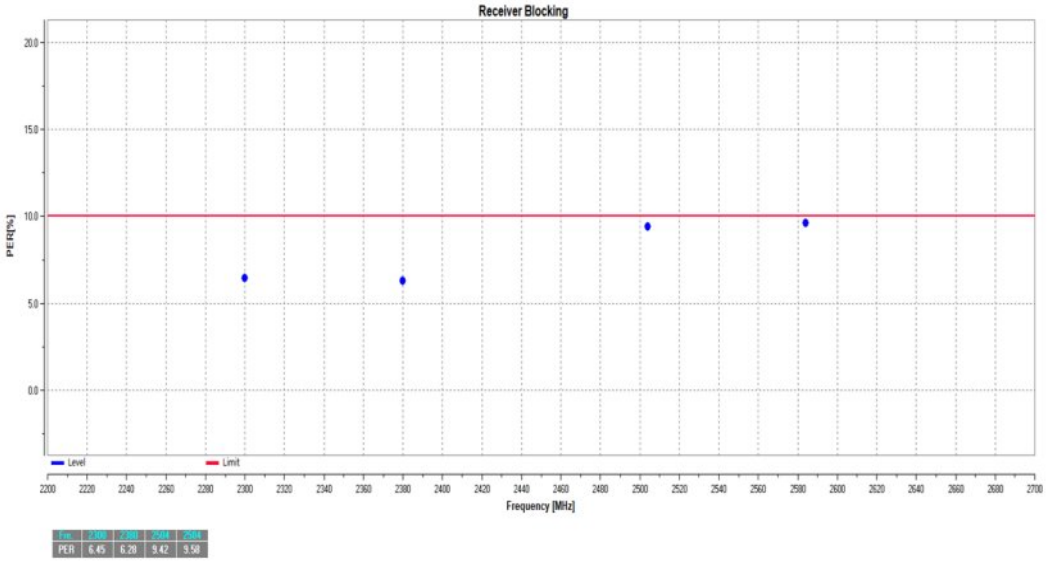
8 Appendix A.8: Receiver Blocking

Note: The EUT is category 2 receiver.

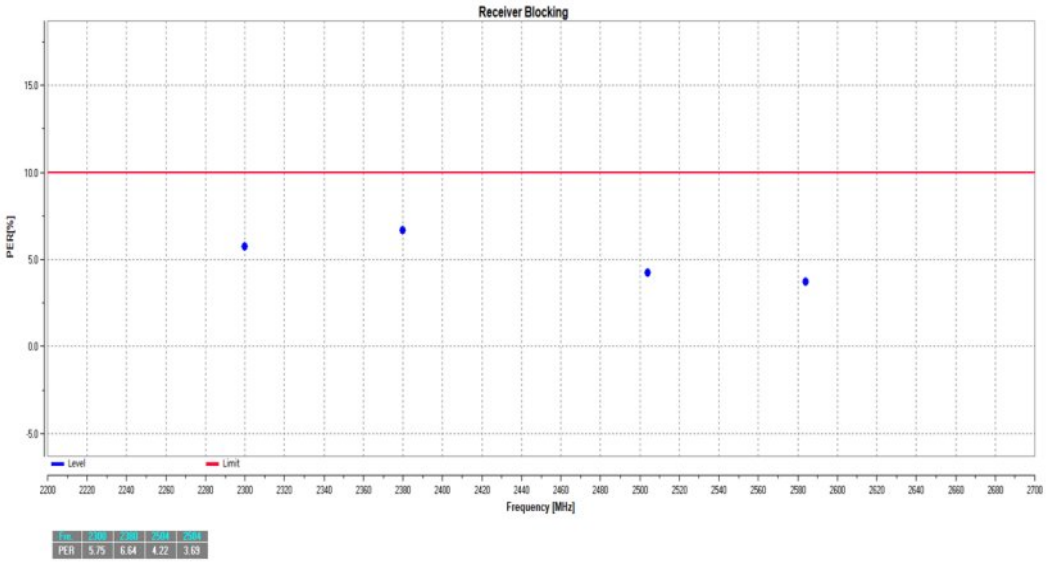
Test Mode	Antenna	Channel	Pmin [dBm]	Wanted signal [dBm]	Freq. [MHz]	CW [dBm]	PER [%]	Limit [%]	Verdict
DH1	Ant1	Hop	---	-67.12	2300	-31.41	7.66	≤10	PASS
			---	-67.12	2380	-31.41	4.40	≤10	PASS
			---	-67.12	2504	-31.41	7.74	≤10	PASS
			---	-67.12	2584	-31.41	3.94	≤10	PASS
2DH1	Ant1	Hop	---	-65.74	2300	-31.41	6.45	≤10	PASS
			---	-65.74	2380	-31.41	6.28	≤10	PASS
			---	-65.74	2504	-31.41	9.42	≤10	PASS
			---	-65.74	2584	-31.41	9.58	≤10	PASS
3DH1	Ant1	Hop	---	-65.74	2300	-31.41	5.75	≤10	PASS
			---	-65.74	2380	-31.41	6.64	≤10	PASS
			---	-65.74	2504	-31.41	4.22	≤10	PASS
			---	-65.74	2584	-31.41	3.69	≤10	PASS

DH1_Ant1_Hop



2DH1_Ant1_Hop


Freq	2300	2380	2504	2584
PER	6.45	6.28	9.42	9.58

3DH1_Ant1_Hop


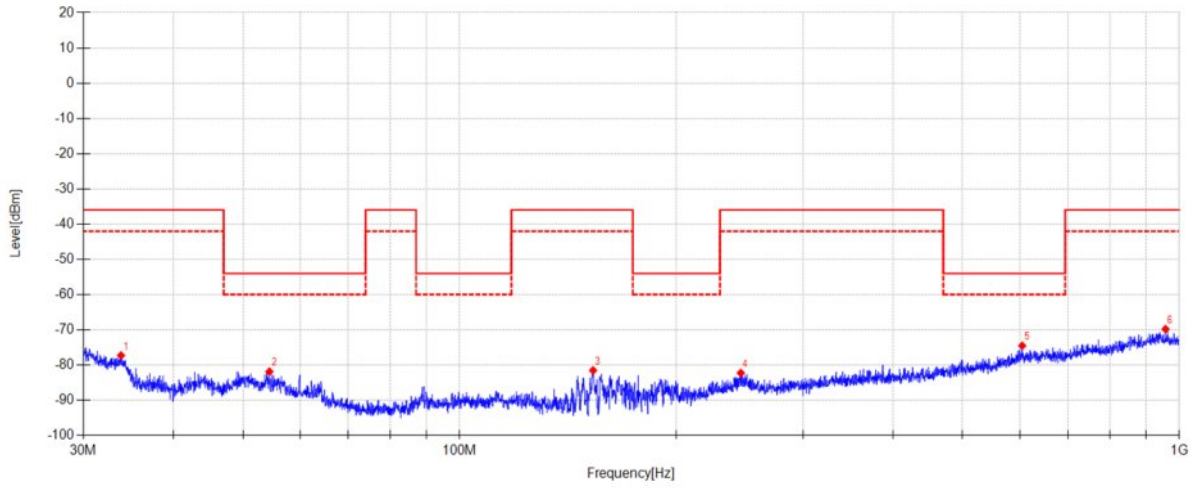
Freq	2300	2380	2504	2584
PER	5.75	6.64	4.22	3.69

9 Appendix A.9: Test Plots of Transmitter Unwanted Emission in the spurious domain

Note: The EUT without antenna connector.

Test Date:	2024-11-19	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	DH5 2402MHz TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE BELOW1G\31		
Memo:	Sample NumberS24102903-001 Power Setting:8		

Test Graph



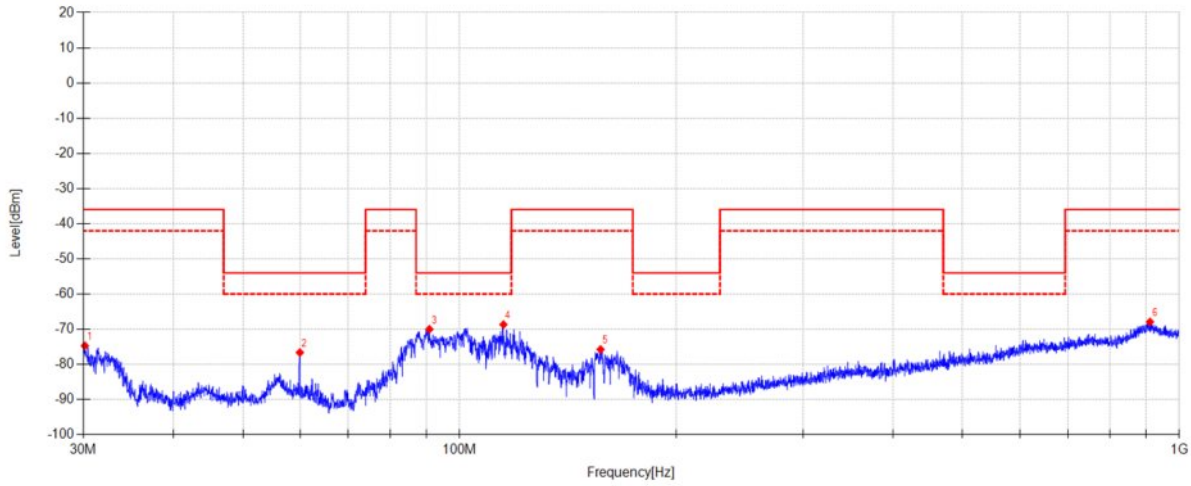
Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	33.845	35.16	-112.42	-77.26	-36.00	41.26	PK	Horizontal	ERP
2	54.407	29.23	-111.09	-81.86	-54.00	27.86	PK	Horizontal	ERP
3	153.258	36.53	-118.05	-81.52	-36.00	45.52	PK	Horizontal	ERP
4	245.847	29.87	-112.10	-82.23	-36.00	46.23	PK	Horizontal	ERP
5	604.871	28.99	-103.49	-74.50	-54.00	20.50	PK	Horizontal	ERP
6	956.788	27.80	-97.58	-69.78	-36.00	33.78	PK	Horizontal	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2024-11-19	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	DH5 2402MHz TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE BELOW1G\32		
Memo:	Sample NumberS24102903-001 Power Setting:8		

Test Graph



Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	30.148	41.97	-116.67	-74.70	-36.00	38.70	PK	Vertical	ERP
2	59.977	38.12	-114.74	-76.62	-54.00	22.62	PK	Vertical	ERP
3	90.772	41.83	-111.82	-69.99	-54.00	15.99	PK	Vertical	ERP
4	115.047	42.50	-111.17	-68.67	-54.00	14.67	PK	Vertical	ERP
5	156.955	37.88	-113.63	-75.75	-36.00	39.75	PK	Vertical	ERP
6	910.322	27.33	-95.24	-67.91	-36.00	31.91	PK	Vertical	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date: 2024-11-19 **Tested By**: Zhong Nan

EUT: Multimedia Speaker **Model Number**: EDF286012

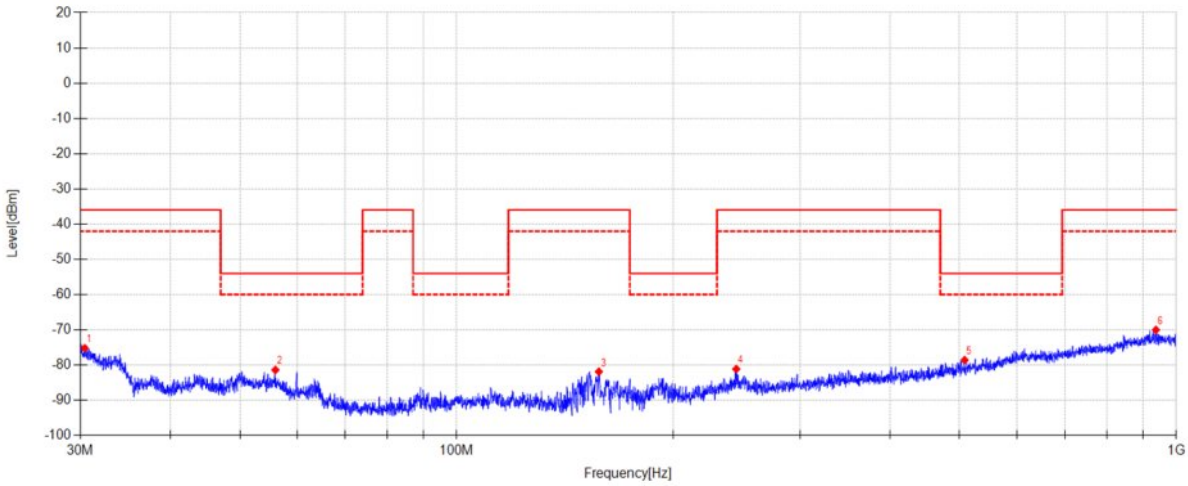
Test Mode: DH5 2480MHz TX Mode **Power Supply**: AC 230V/50Hz

Condition: Temp:21.9°C;Humi:51.0% **Test Site**: DDT 3# Chamber

File Path: d:\ts\2024 report data\Q24102903-1E\CE BELOW1G\29

Memo: Sample NumberS24102903-001 Power Setting:8

Test Graph



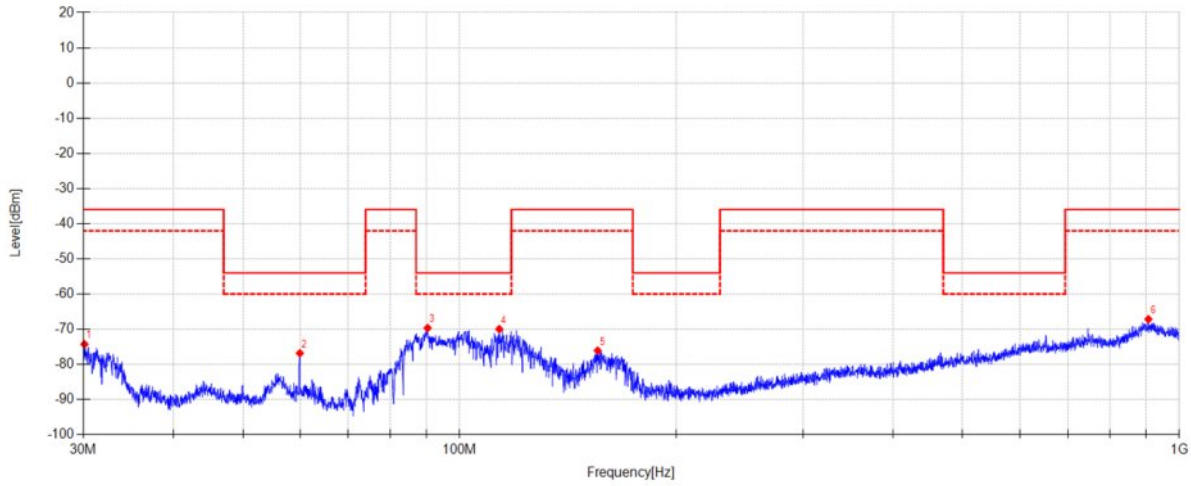
Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	30.424	37.86	-113.05	-75.19	-36.00	39.19	PK	Horizontal	ERP
2	55.994	30.11	-111.49	-81.38	-54.00	27.38	PK	Horizontal	ERP
3	157.617	35.91	-117.79	-81.88	-36.00	45.88	PK	Horizontal	ERP
4	244.644	31.06	-112.18	-81.12	-36.00	45.12	PK	Horizontal	ERP
5	507.971	27.58	-106.15	-78.57	-54.00	24.57	PK	Horizontal	ERP
6	936.872	27.81	-97.81	-70.00	-36.00	34.00	PK	Horizontal	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2024-11-19	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	DH5 2480MHz TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE BELOW1G\30		
Memo:	Sample NumberS24102903-001 Power Setting:8		

Test Graph



Data List

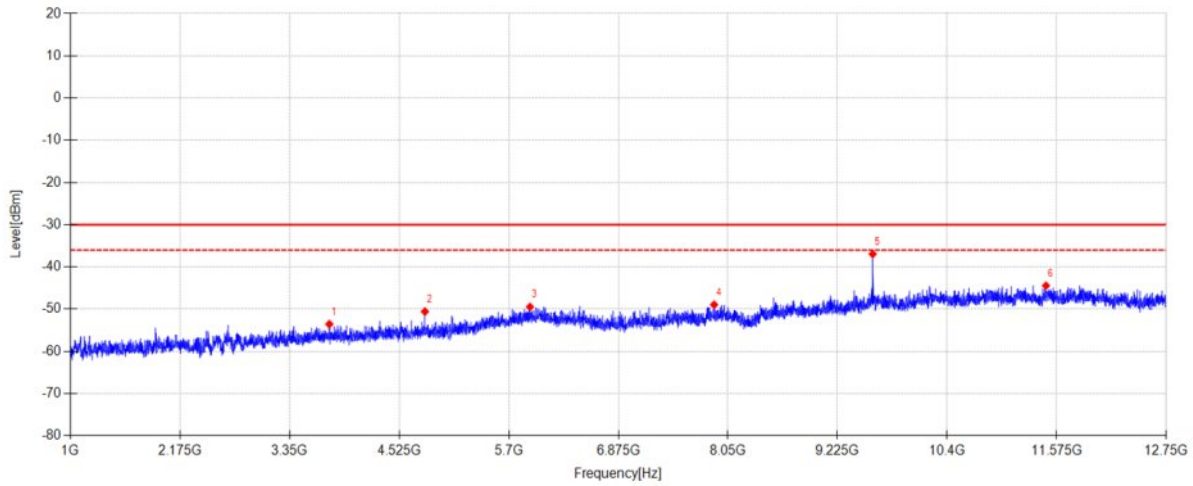
NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	30.105	42.41	-116.67	-74.26	-36.00	38.26	PK	Vertical	ERP
2	59.977	37.92	-114.74	-76.82	-54.00	22.82	PK	Vertical	ERP
3	90.264	42.26	-111.92	-69.66	-54.00	15.66	PK	Vertical	ERP
4	113.525	41.11	-111.06	-69.95	-54.00	15.95	PK	Vertical	ERP
5	155.531	37.55	-113.63	-76.08	-36.00	40.08	PK	Vertical	ERP
6	905.865	28.03	-95.18	-67.15	-36.00	31.15	PK	Vertical	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto

.

Test Date:	2024-11-12	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	DH5 2402MHz TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE ABOVE1G\3		
Memo:	Sample NumberS24102903-001 Power Setting:8		

Test Graph



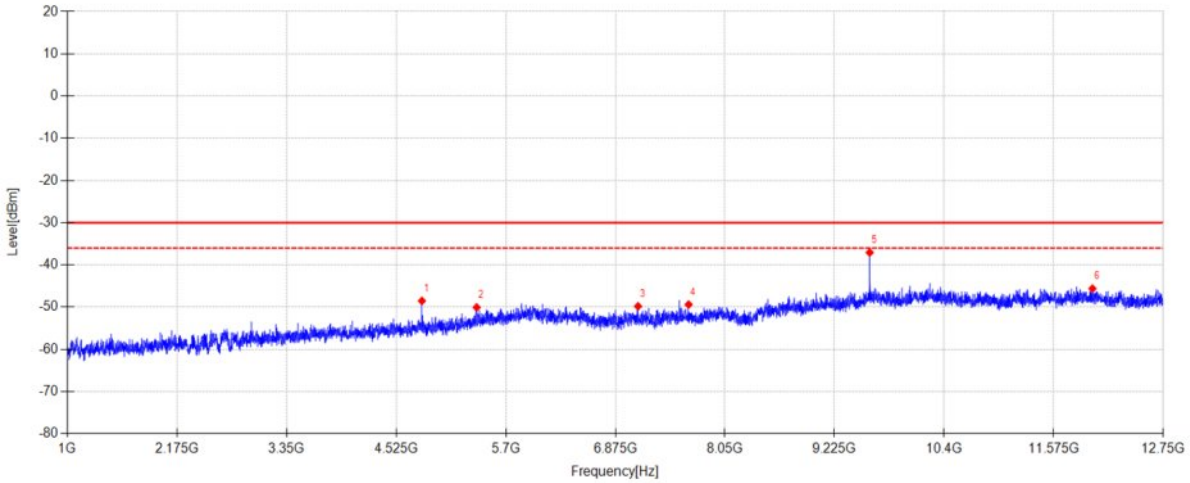
Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	3776.525	47.37	-100.93	-53.56	**-30.00**	23.56	PK	Vertical	EIRP
2	4801.125	48.14	-98.72	-50.58	**-30.00**	20.58	PK	Vertical	EIRP
3	5927.950	44.39	-93.86	-49.47	**-30.00**	19.47	PK	Vertical	EIRP
4	7901.950	43.64	-92.60	-48.96	**-30.00**	18.96	PK	Vertical	EIRP
5	9602.175	52.01	-88.97	-36.96	**-30.00**	6.96	PK	Vertical	EIRP
6	11459.850	42.57	-87.01	-44.44	**-30.00**	14.44	PK	Vertical	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Date:	2024-11-12	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	DH5 2402MHz TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE ABOVE1G\4		
Memo:	Sample NumberS24102903-001 Power Setting:8		

Test Graph



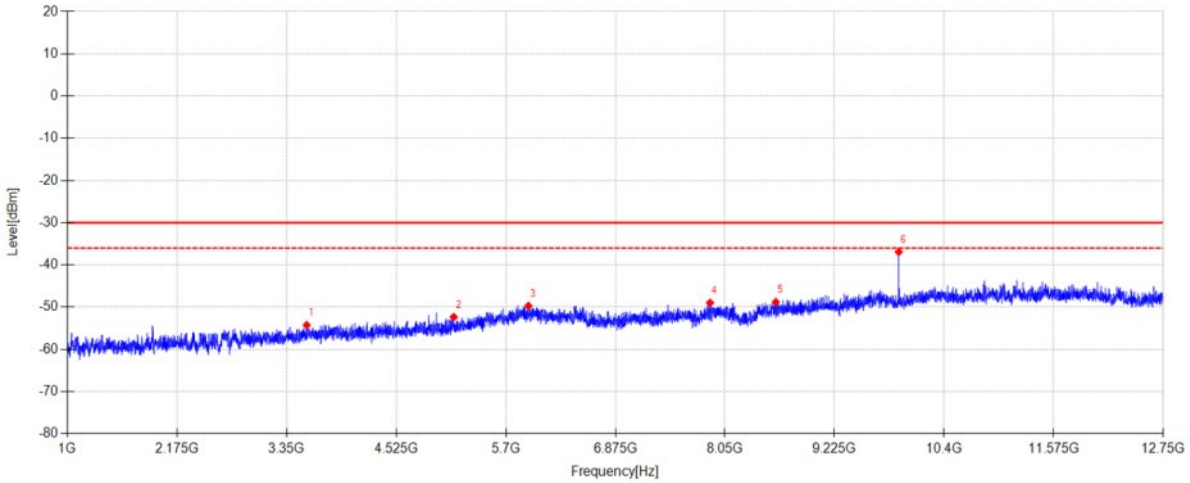
Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	4801.125	49.79	-98.31	-48.52	**-30.00**	18.52	PK	Horizontal	EIRP
2	5388.625	46.05	-96.11	-50.06	**-30.00**	20.06	PK	Horizontal	EIRP
3	7118.225	44.91	-94.71	-49.80	**-30.00**	19.80	PK	Horizontal	EIRP
4	7661.075	44.11	-93.50	-49.39	**-30.00**	19.39	PK	Horizontal	EIRP
5	9602.175	51.47	-88.54	-37.07	**-30.00**	7.07	PK	Horizontal	EIRP
6	11990.950	42.29	-87.90	-45.61	**-30.00**	15.61	PK	Horizontal	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Date:	2024-11-12	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	DH5 2480MHz TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE ABOVE1G\1		
Memo:	Sample NumberS24102903-001 Power Setting:8		

Test Graph



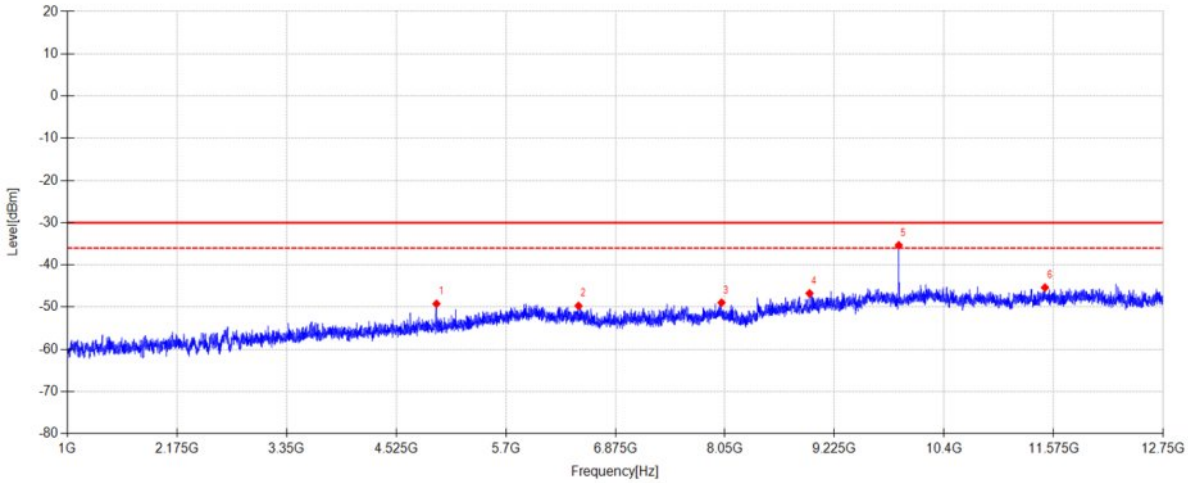
Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	3566.200	46.97	-101.22	-54.25	**-30.00**	24.25	PK	Vertical	EIRP
2	5143.050	45.20	-97.56	-52.36	**-30.00**	22.36	PK	Vertical	EIRP
3	5943.225	44.08	-93.79	-49.71	**-30.00**	19.71	PK	Vertical	EIRP
4	7890.200	43.66	-92.64	-48.98	**-30.00**	18.98	PK	Vertical	EIRP
5	8595.200	41.96	-90.76	-48.80	**-30.00**	18.80	PK	Vertical	EIRP
6	9913.550	51.68	-88.60	-36.92	**-30.00**	6.92	PK	Vertical	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Date:	2024-11-12	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	DH5 2480MHz TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE ABOVE1G\2		
Memo:	Sample NumberS24102903-001 Power Setting:8		

Test Graph



Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	4957.400	48.64	-97.86	-49.22	**-30.00**	19.22	PK	Horizontal	EIRP
2	6480.200	44.54	-94.23	-49.69	**-30.00**	19.69	PK	Horizontal	EIRP
3	8013.575	43.76	-92.70	-48.94	**-30.00**	18.94	PK	Horizontal	EIRP
4	8957.100	42.77	-89.51	-46.74	**-30.00**	16.74	PK	Horizontal	EIRP
5	9913.550	52.77	-88.12	-35.35	**-30.00**	5.35	PK	Horizontal	EIRP
6	11481.000	42.62	-87.99	-45.37	**-30.00**	15.37	PK	Horizontal	EIRP

Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	RMS Value [dBm]	RMS Limit [dBm]	RMS Margin [dB]	Detector	Polarity	Type
1	9913.975	50.72	-88.12	-37.40	-30.00	7.40	RMS	Horizontal	EIRP

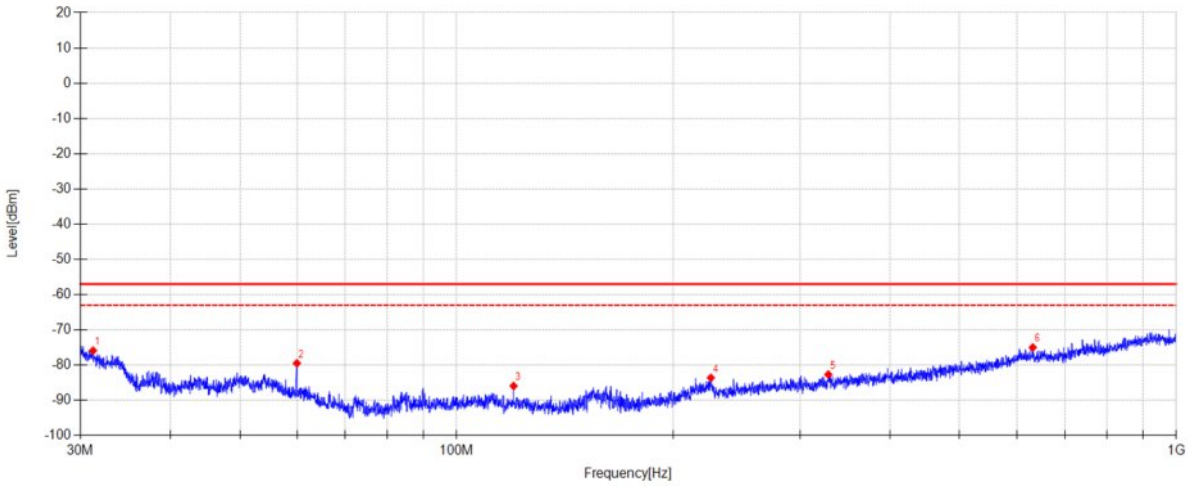
Note:
1. Level = Reading + Factor.

10 Appendix A.10: Test Plots of Receiver Spurious Emission

Note: The EUT without antenna connector.

Test Date:	2024-11-19	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	DH5 2402MHz RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE BELOW1G\17		
Memo:	Sample NumberS24102903-001		

Test Graph

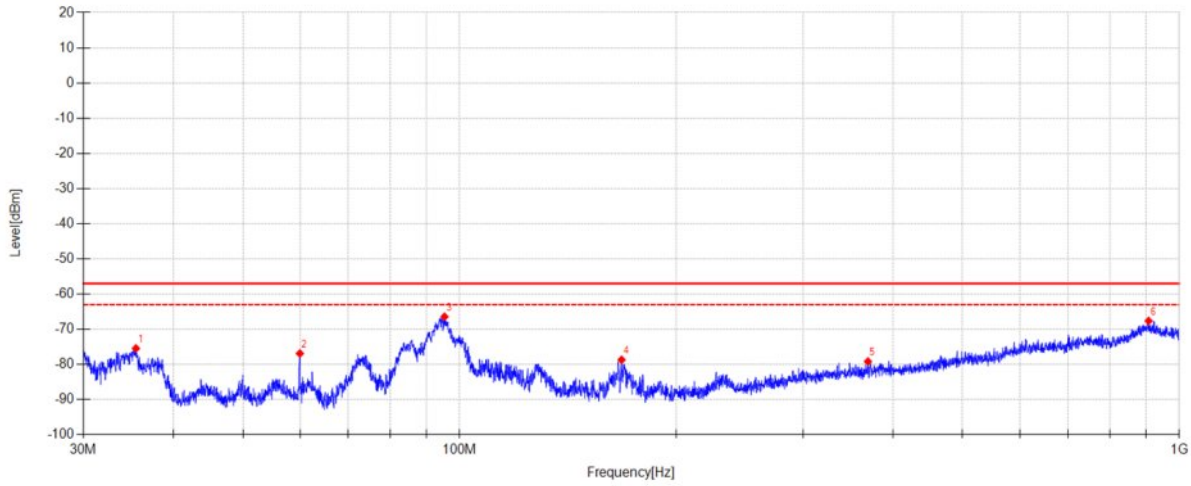


Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	31.245	37.00	-112.89	-75.89	-57.00	18.89	PK	Horizontal	ERP
2	59.977	32.98	-112.46	-79.48	-57.00	22.48	PK	Horizontal	ERP
3	119.991	30.42	-116.34	-85.92	-57.00	28.92	PK	Horizontal	ERP
4	225.533	29.87	-113.47	-83.60	-57.00	26.60	PK	Horizontal	ERP
5	328.421	27.26	-109.94	-82.68	-57.00	25.68	PK	Horizontal	ERP
6	631.746	28.29	-103.28	-74.99	-57.00	17.99	PK	Horizontal	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2024-11-19	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	DH5 2402MHz RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE BELOW1G\18		
Memo:	Sample NumberS24102903-001		

Test Graph



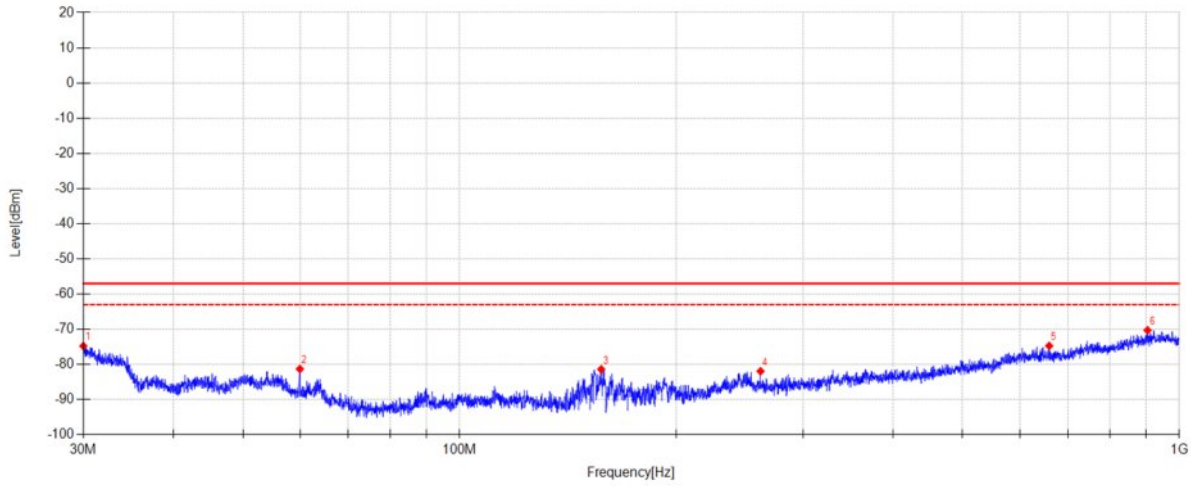
Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	35.498	40.71	-116.15	-75.44	-57.00	18.44	PK	Vertical	ERP
2	59.977	37.85	-114.74	-76.89	-57.00	19.89	PK	Vertical	ERP
3	95.271	44.54	-110.98	-66.44	-57.00	9.44	PK	Vertical	ERP
4	167.884	34.90	-113.60	-78.70	-57.00	21.70	PK	Vertical	ERP
5	369.219	27.96	-107.12	-79.16	-57.00	22.16	PK	Vertical	ERP
6	906.500	27.55	-95.19	-67.64	-57.00	10.64	PK	Vertical	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2024-11-19	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	DH5 2480MHz RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE BELOW1G\19		
Memo:	Sample NumberS24102903-001		

Test Graph



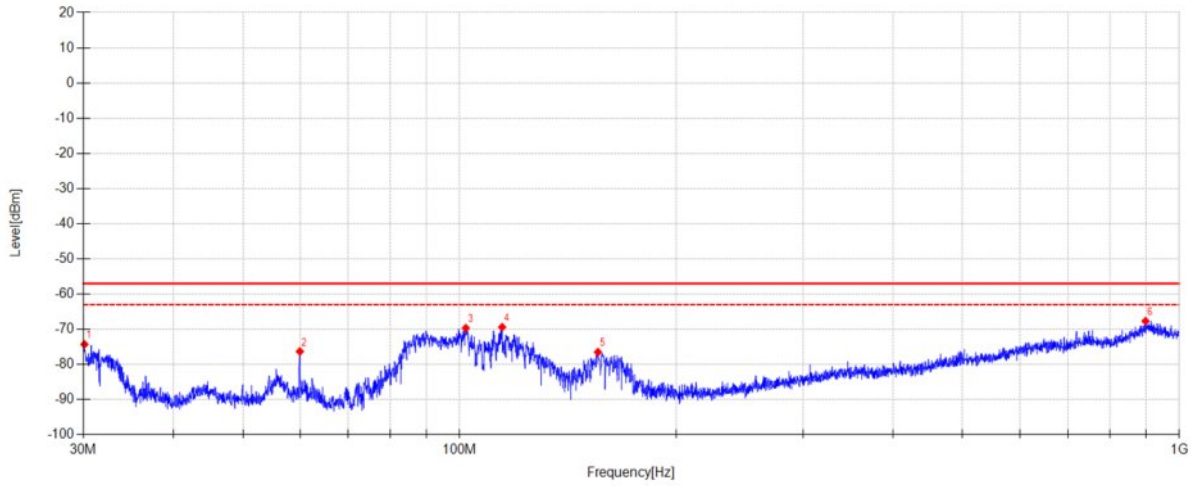
Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	30.000	38.35	-113.12	-74.77	-57.00	17.77	PK	Horizontal	ERP
2	59.977	31.16	-112.46	-81.30	-57.00	24.30	PK	Horizontal	ERP
3	157.286	36.42	-117.81	-81.39	-57.00	24.39	PK	Horizontal	ERP
4	261.862	29.65	-111.58	-81.93	-57.00	24.93	PK	Horizontal	ERP
5	659.353	28.43	-103.17	-74.74	-57.00	17.74	PK	Horizontal	ERP
6	903.328	28.46	-98.76	-70.30	-57.00	13.30	PK	Horizontal	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2024-11-19	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	DH5 2480MHz RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE BELOW1G\20		
Memo:	Sample NumberS24102903-001		

Test Graph



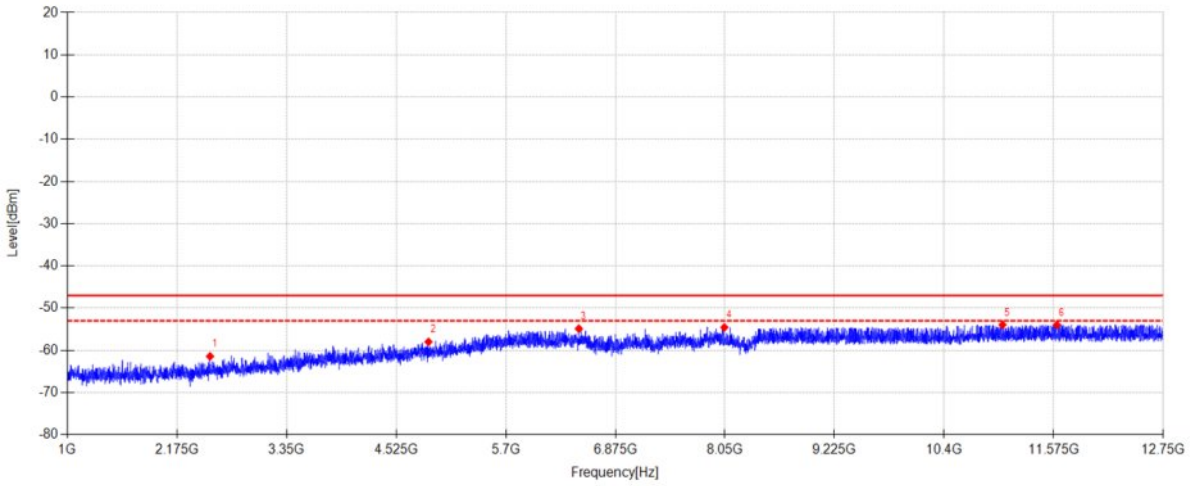
Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	30.105	42.38	-116.67	-74.29	-57.00	17.29	PK	Vertical	ERP
2	59.977	38.43	-114.74	-76.31	-57.00	19.31	PK	Vertical	ERP
3	101.976	40.57	-110.24	-69.67	-57.00	12.67	PK	Vertical	ERP
4	114.564	41.73	-111.13	-69.40	-57.00	12.40	PK	Vertical	ERP
5	155.640	37.14	-113.63	-76.49	-57.00	19.49	PK	Vertical	ERP
6	897.645	27.55	-95.25	-67.70	-57.00	10.70	PK	Vertical	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2024-11-14	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	DH5 2402MHz RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE ABOVE1G\21		
Memo:	Sample NumberS24102903-001		

Test Graph



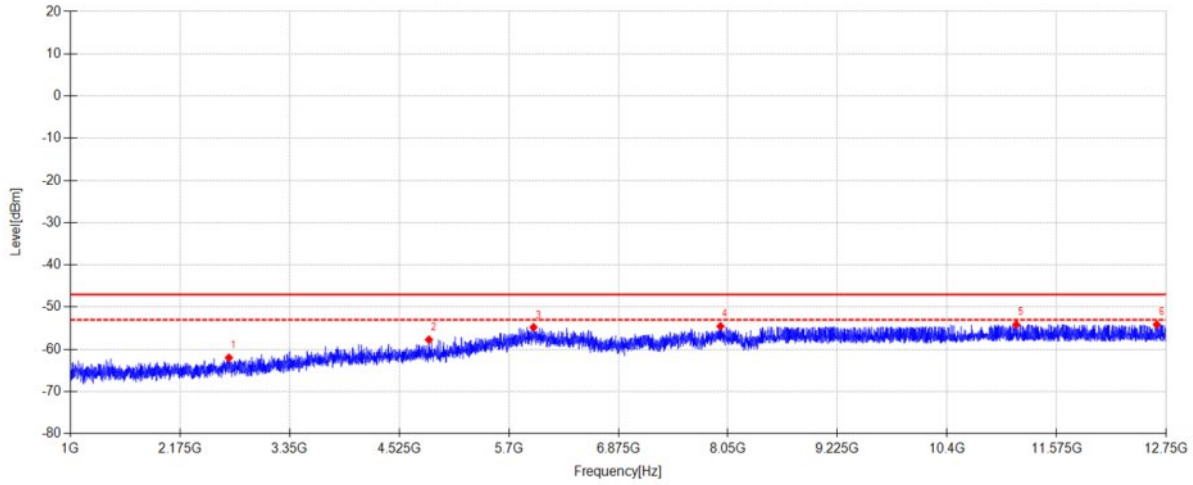
Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	2529.850	42.56	-103.98	-61.42	**-47.00**	14.42	PK	Horizontal	EIRP
2	4871.625	40.60	-98.58	-57.98	**-47.00**	10.98	PK	Horizontal	EIRP
3	6483.725	39.80	-94.67	-54.87	**-47.00**	7.87	PK	Horizontal	EIRP
4	8044.125	38.40	-92.95	-54.55	**-47.00**	7.55	PK	Horizontal	EIRP
5	11026.275	34.87	-88.83	-53.96	**-47.00**	6.96	PK	Horizontal	EIRP
6	11609.075	34.77	-88.73	-53.96	**-47.00**	6.96	PK	Horizontal	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Date:	2024-11-14	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	DH5 2402MHz RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE ABOVE1G\22		
Memo:	Sample NumberS24102903-001		

Test Graph



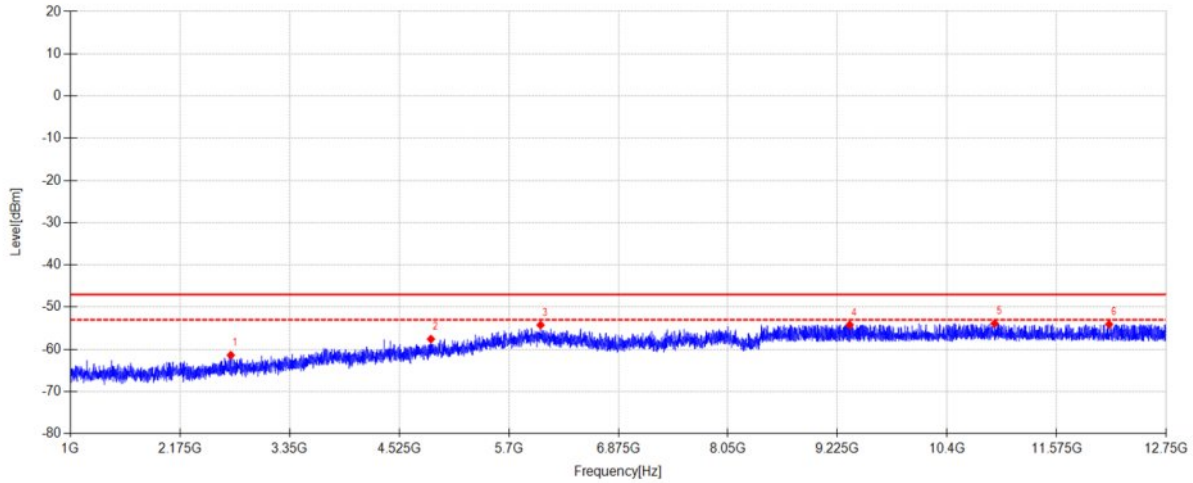
Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	2700.225	41.64	-103.64	-62.00	**-47.00**	15.00	PK	Vertical	EIRP
2	4844.600	41.37	-99.08	-57.71	**-47.00**	10.71	PK	Vertical	EIRP
3	5965.550	39.25	-94.02	-54.77	**-47.00**	7.77	PK	Vertical	EIRP
4	7970.100	38.25	-92.79	-54.54	**-47.00**	7.54	PK	Vertical	EIRP
5	11141.425	33.42	-87.56	-54.14	**-47.00**	7.14	PK	Vertical	EIRP
6	12647.775	34.32	-88.45	-54.13	**-47.00**	7.13	PK	Vertical	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Date:	2024-11-14	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	DH5 2480MHz RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE ABOVE1G\23		
Memo:	Sample NumberS24102903-001		

Test Graph



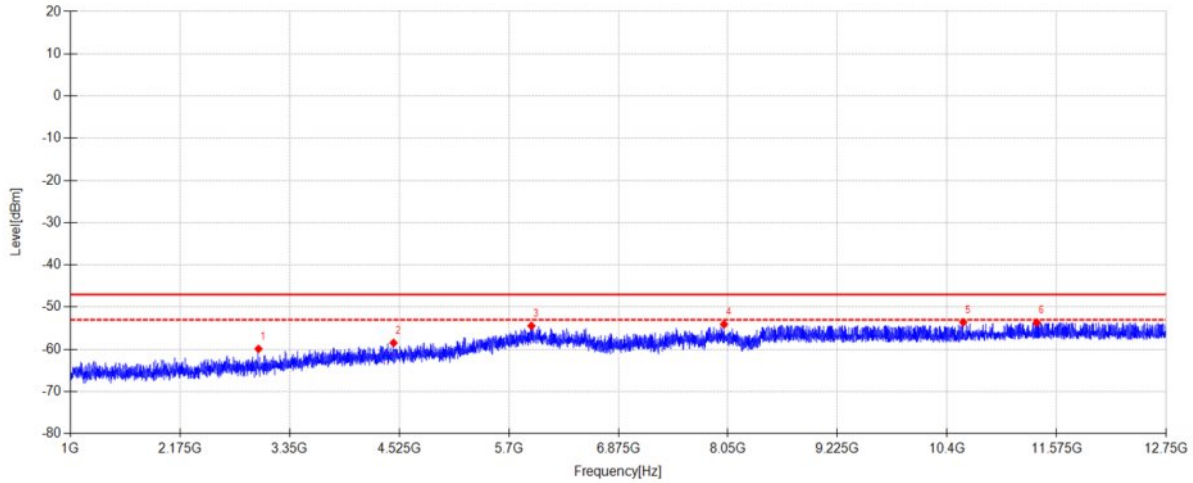
Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	2720.200	42.36	-103.74	-61.38	**-47.00**	14.38	PK	Horizontal	EIRP
2	4865.750	41.03	-98.60	-57.57	**-47.00**	10.57	PK	Horizontal	EIRP
3	6040.750	39.73	-93.96	-54.23	**-47.00**	7.23	PK	Horizontal	EIRP
4	9355.425	35.09	-89.27	-54.18	**-47.00**	7.18	PK	Horizontal	EIRP
5	10908.775	34.93	-88.80	-53.87	**-47.00**	6.87	PK	Horizontal	EIRP
6	12136.650	34.60	-88.68	-54.08	**-47.00**	7.08	PK	Horizontal	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Date:	2024-11-14	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	DH5 2480MHz RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE ABOVE1G\24		
Memo:	Sample NumberS24102903-001		

Test Graph



Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	3017.475	43.37	-103.26	-59.89	**-47.00**	12.89	PK	Vertical	EIRP
2	4465.075	41.53	-100.01	-58.48	**-47.00**	11.48	PK	Vertical	EIRP
3	5943.225	39.70	-94.14	-54.44	**-47.00**	7.44	PK	Vertical	EIRP
4	8008.875	38.62	-92.68	-54.06	**-47.00**	7.06	PK	Vertical	EIRP
5	10572.725	34.58	-88.16	-53.58	**-47.00**	6.58	PK	Vertical	EIRP
6	11361.150	34.01	-87.70	-53.69	**-47.00**	6.69	PK	Vertical	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Appendix B

Test Results of Bluetooth Low Energy

Content

CONTENT 1
1 APPENDIX B.1 : RF OUTPUT POWER 2
2 APPENDIX B.2: POWER DENSITY 3
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4 APPENDIX B.4 : TX UNWANTED EMISSIONS IN THE OUT-OF-BAND DOMAIN 9
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1 Appendix B.1 : RF output power

The RF output power is the mean equivalent isotropically radiated power (EIRP) during a transmission burst.
Only the worst case for all test modes reported.

Test Condition	Test Mode	Antenna	Frequency [MHz]	Burst Power [dBm]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
NTNV	BLE_1M	Ant1	2402	5.40	7.99	20	PASS
			2440	6.11	8.70	20	PASS
			2480	5.29	7.88	20	PASS
	BLE_2M	Ant1	2404	5.37	7.96	20	PASS
			2440	6.20	8.79	20	PASS
			2478	5.54	8.13	20	PASS
LTNV	BLE_1M	Ant1	2402	5.41	8.00	20	PASS
			2440	6.11	8.70	20	PASS
			2480	5.29	7.88	20	PASS
	BLE_2M	Ant1	2404	5.35	7.94	20	PASS
			2440	6.20	8.79	20	PASS
			2478	5.54	8.13	20	PASS
HTNV	BLE_1M	Ant1	2402	5.40	7.99	20	PASS
			2440	6.11	8.70	20	PASS
			2480	5.31	7.90	20	PASS
	BLE_2M	Ant1	2404	5.38	7.97	20	PASS
			2440	6.19	8.78	20	PASS
			2478	5.54	8.13	20	PASS

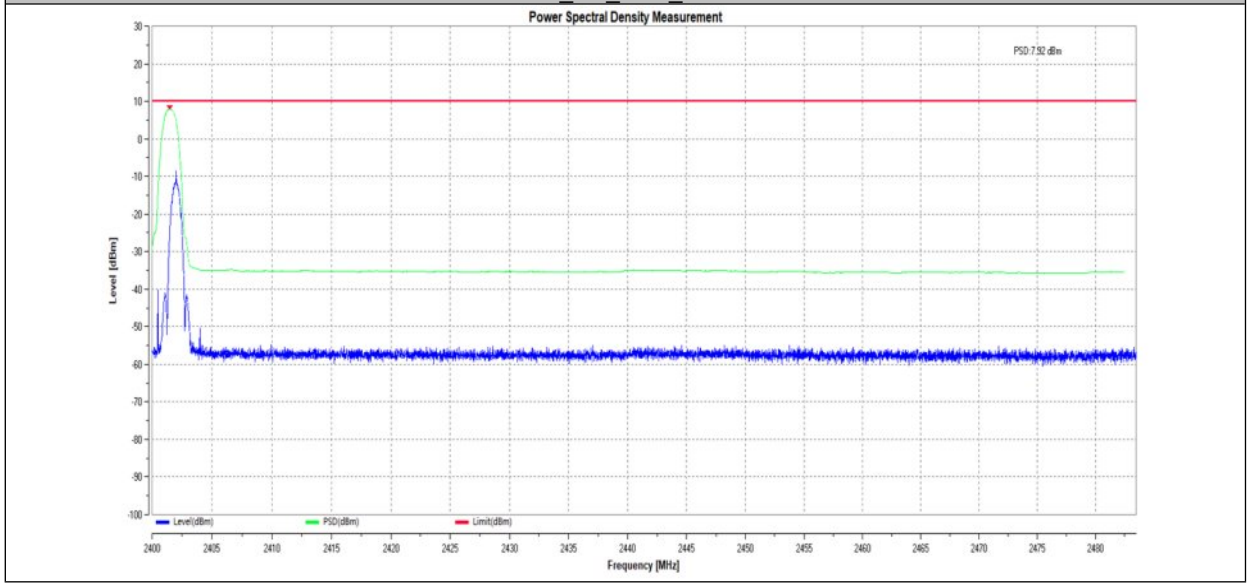
Note: EIRP = Measured Highest Pburst Values + Antenna Gain

2 Appendix B.2: Power density

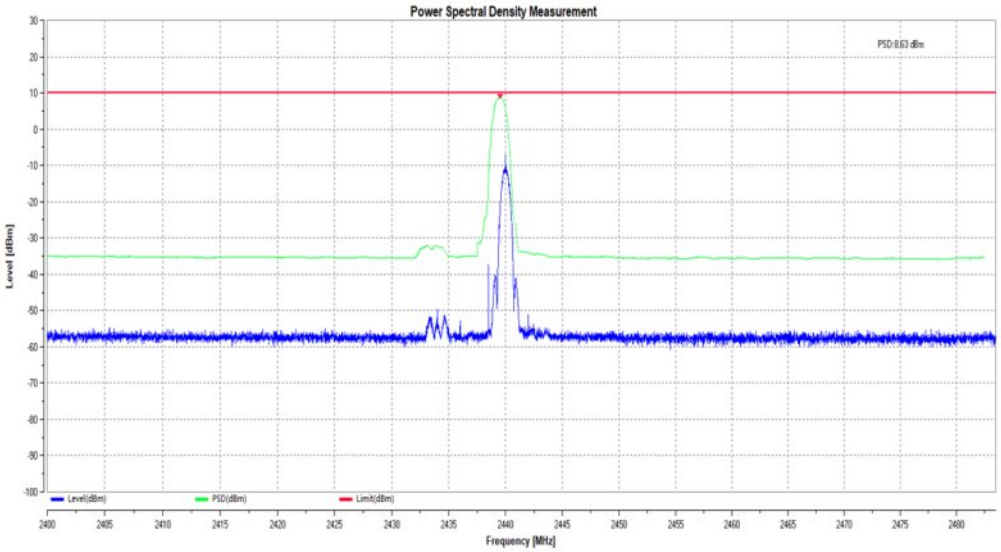
The power density is the mean Equivalent Isotropically Radiated Power (EIRP) density during a transmission burst. Only the worst case for all test modes reported.

Test Mode	Antenna	Frequency [MHz]	EIRP PSD [dBm/MHz]	Limit [dBm/MHz]	Verdict
BLE_1M	Ant1	2402	7.92	10	PASS
		2440	8.63	10	PASS
		2480	7.80	10	PASS
BLE_2M	Ant1	2404	6.84	10	PASS
		2440	7.70	10	PASS
		2478	7.01	10	PASS

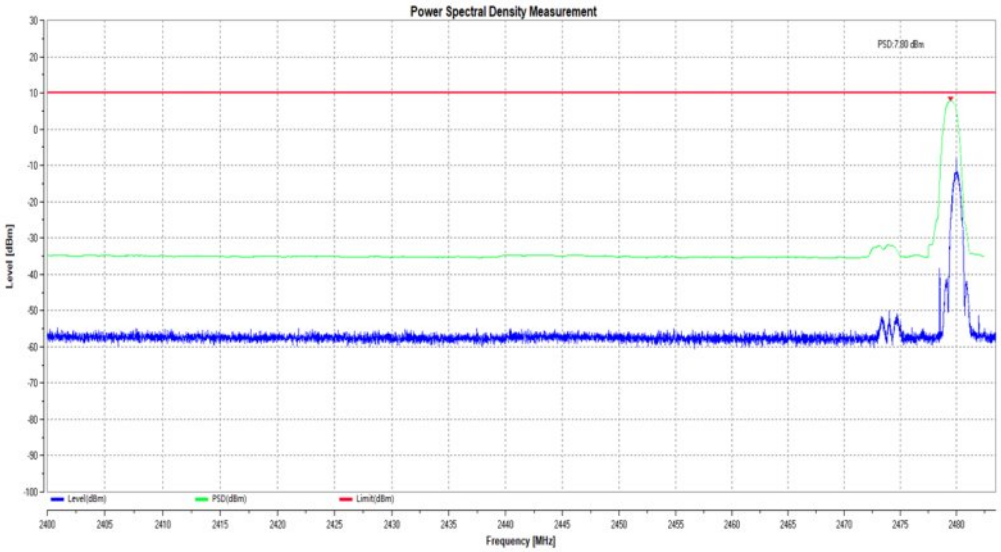
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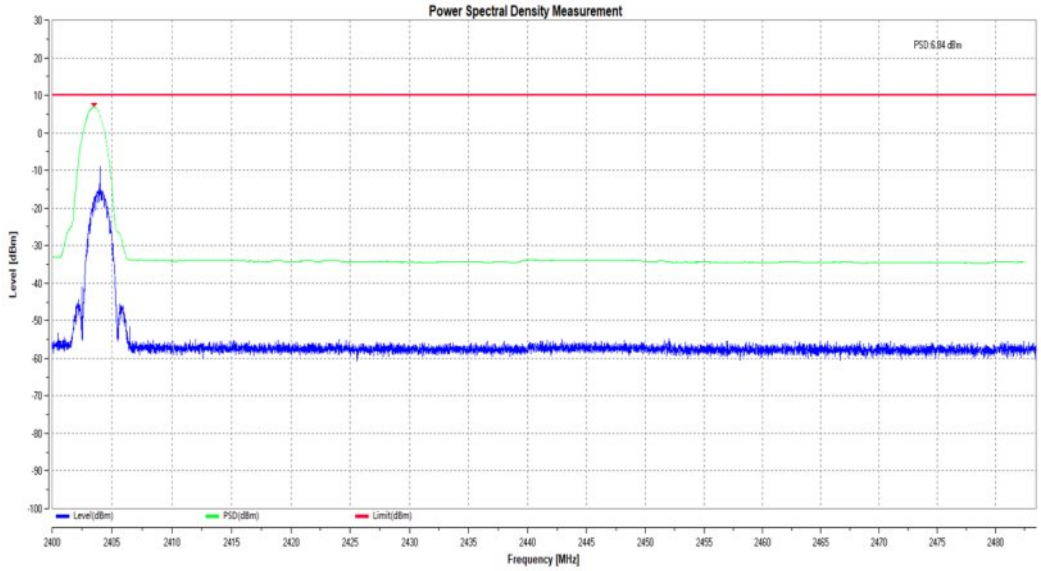
BLE_1M_Ant1_2440



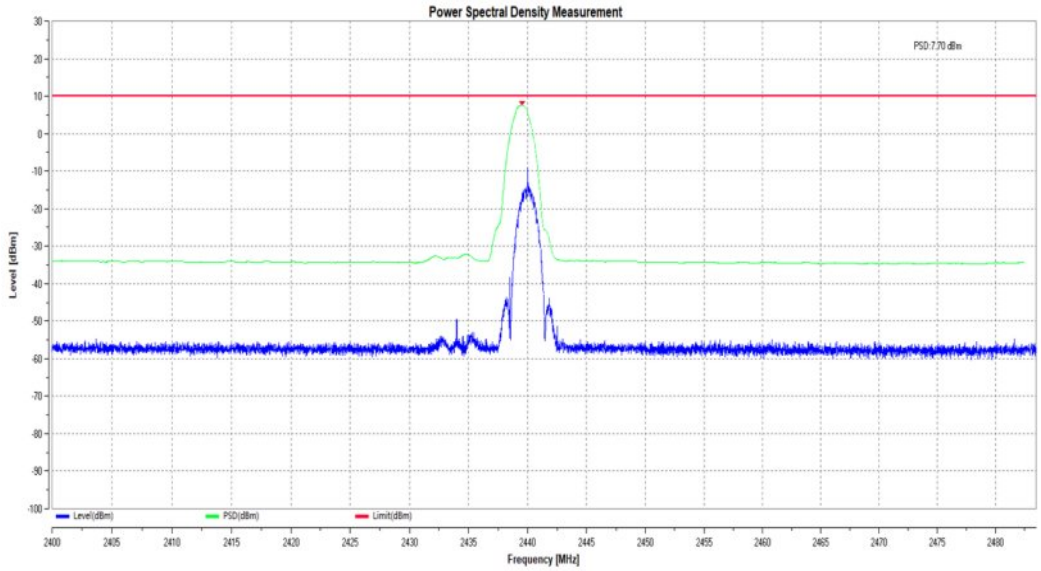
BLE_1M_Ant1_2480



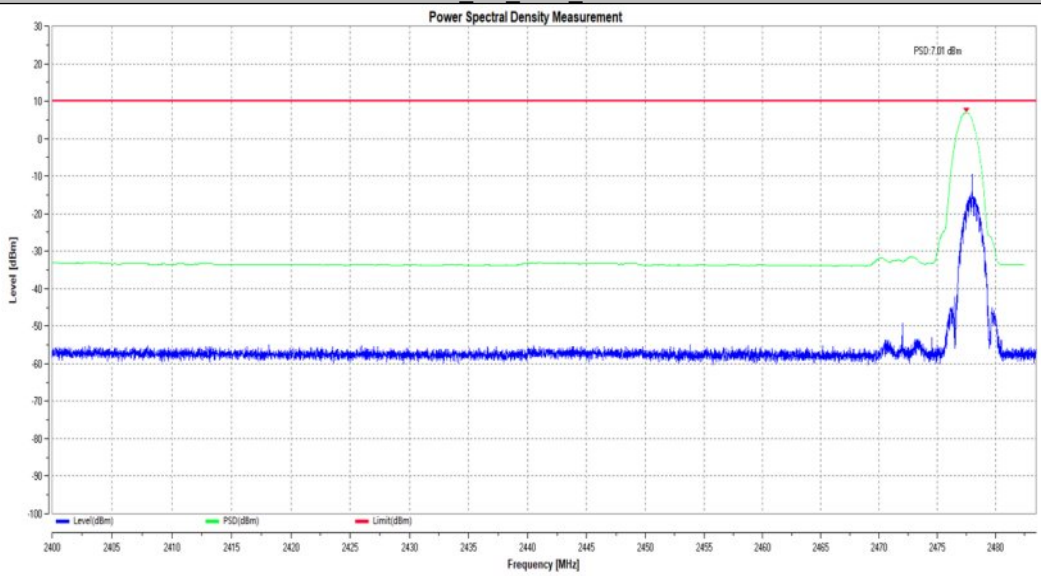
BLE_2M_Ant1_2404



BLE_2M_Ant1_2440



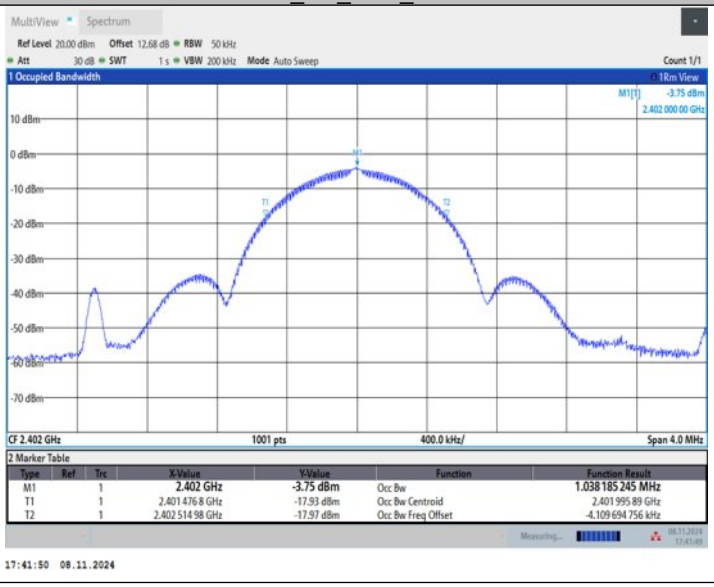
BLE_2M_Ant1_2478



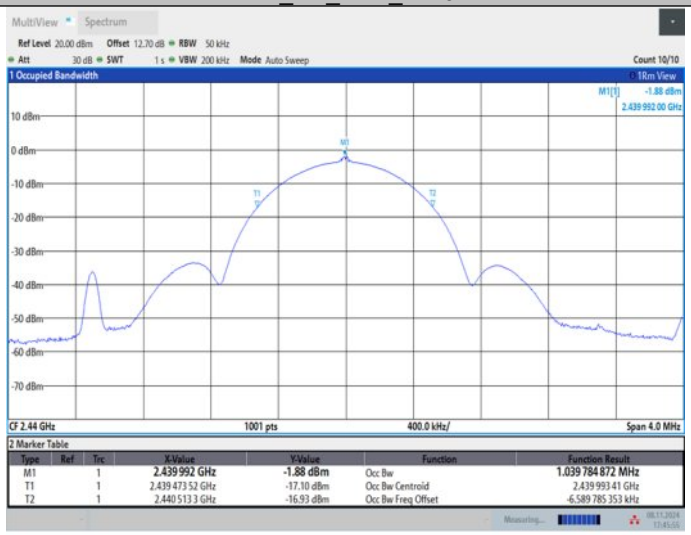
3 Appendix B.3 : Occupied Channel Bandwidth

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
BLE_1M	Ant1	2402	1.038	2401.4768	2402.5150	2400 to 2483.5	PASS
		2440	1.040	2439.4735	2440.5133	2400 to 2483.5	PASS
		2480	1.040	2479.4730	2480.5127	2400 to 2483.5	PASS
BLE_2M	Ant1	2404	2.042	2402.9673	2405.0091	2400 to 2483.5	PASS
		2440	2.054	2438.9583	2441.0119	2400 to 2483.5	PASS
		2478	2.055	2476.9579	2479.0127	2400 to 2483.5	PASS

BLE_1M_Ant1_2402

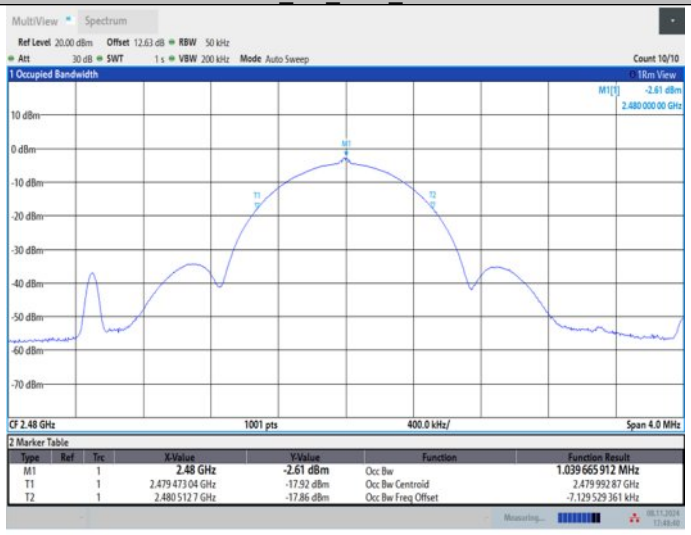


BLE_1M_Ant1_2440



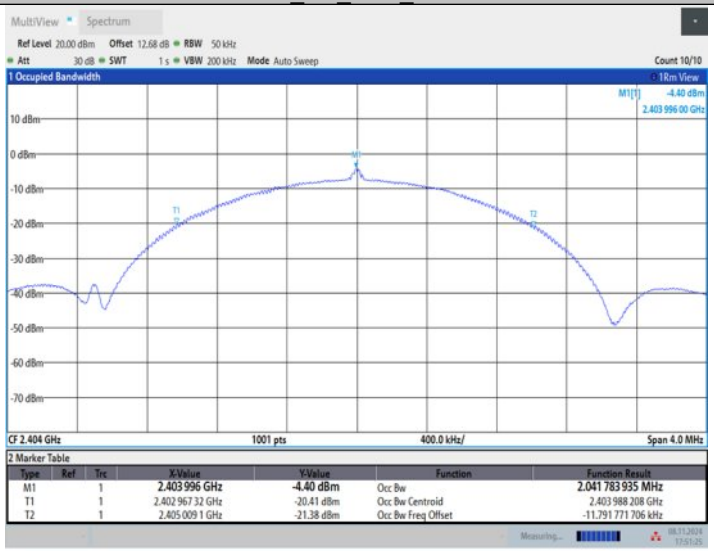
17:45:56 08.11.2024

BLE_1M_Ant1_2480



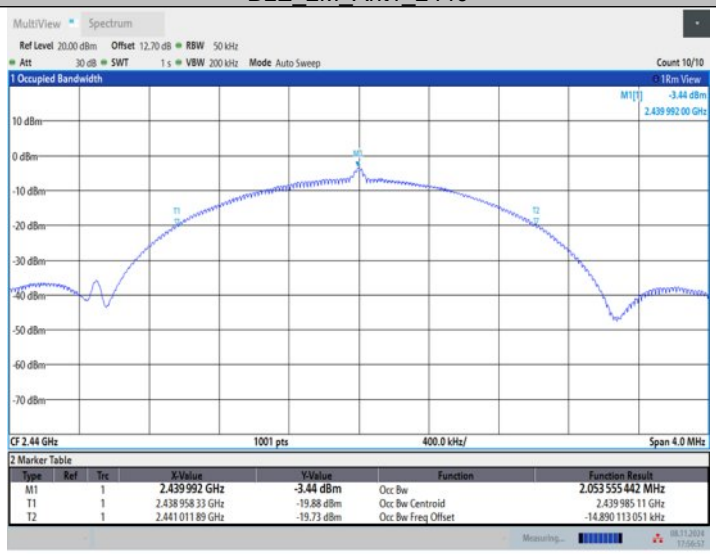
17:48:40 08.11.2024

BLE_2M_Ant1_2404



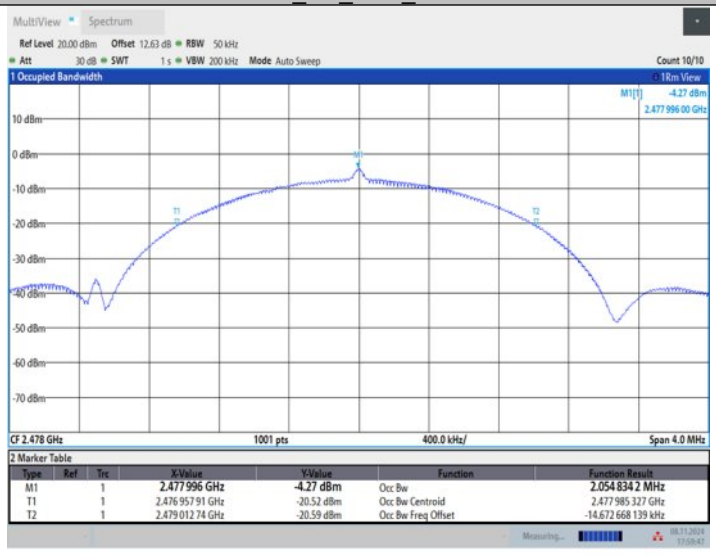
17:51:26 08.11.2024

BLE_2M_Ant1_2440



17:56:58 08.11.2024

BLE_2M_Ant1_2478



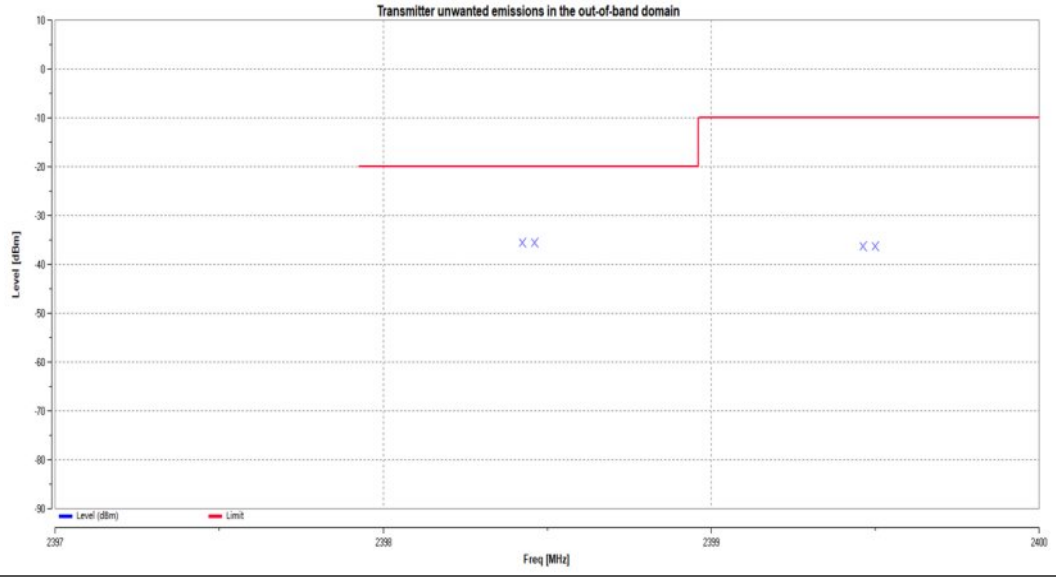
17:59:48 08.11.2024

4 Appendix B.4 : Tx unwanted emissions in the out-of-band domain

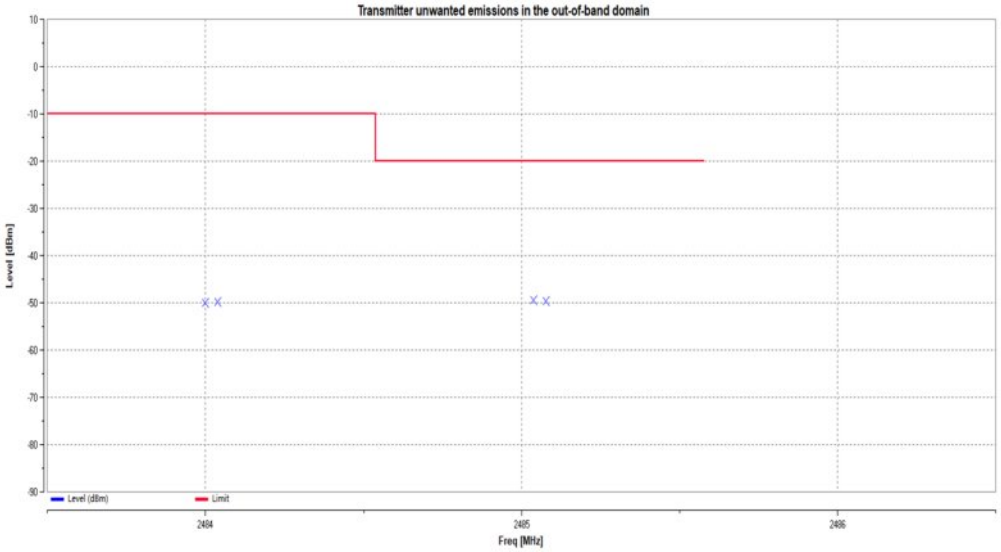
Test Mode	Antenna	Frequency [MHz]	Freq. [MHz]	Level [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	2398.424	-35.54	-20.00	PASS
			2398.462	-35.60	-20.00	PASS
			2399.462	-36.25	-10.00	PASS
			2399.500	-36.23	-10.00	PASS
			2484.000	-49.93	-10.00	PASS
			2484.038	-49.78	-10.00	PASS
			2485.038	-49.36	-20.00	PASS
			2485.076	-49.54	-20.00	PASS
		2480	2398.420	-49.27	-20.00	PASS
			2398.460	-49.46	-20.00	PASS
			2399.460	-49.59	-10.00	PASS
			2399.500	-49.48	-10.00	PASS
			2484.000	-41.93	-10.00	PASS
			2484.040	-41.83	-10.00	PASS
			2485.040	-42.32	-20.00	PASS
			2485.080	-42.50	-20.00	PASS
BLE_2M	Ant1	2404	2396.416	-31.90	-20.00	PASS
			2396.458	-31.99	-20.00	PASS
			2397.458	-32.36	-20.00	PASS
			2398.458	-30.93	-10.00	PASS
			2398.500	-31.63	-10.00	PASS
			2399.500	-31.08	-10.00	PASS
			2484.000	-48.94	-10.00	PASS
			2485.000	-49.56	-10.00	PASS
			2485.042	-49.50	-10.00	PASS
			2486.042	-49.78	-20.00	PASS
			2487.042	-49.57	-20.00	PASS
			2487.084	-49.82	-20.00	PASS

		2478	2396.390	-49.10	-20.00	PASS
			2396.445	-49.23	-20.00	PASS
			2397.445	-48.87	-20.00	PASS
			2398.445	-49.26	-10.00	PASS
			2398.500	-49.36	-10.00	PASS
			2399.500	-49.44	-10.00	PASS
			2484.000	-42.30	-10.00	PASS
			2485.000	-45.82	-10.00	PASS
			2485.055	-45.25	-10.00	PASS
			2486.055	-44.32	-20.00	PASS
			2487.055	-46.77	-20.00	PASS
			2487.110	-47.63	-20.00	PASS

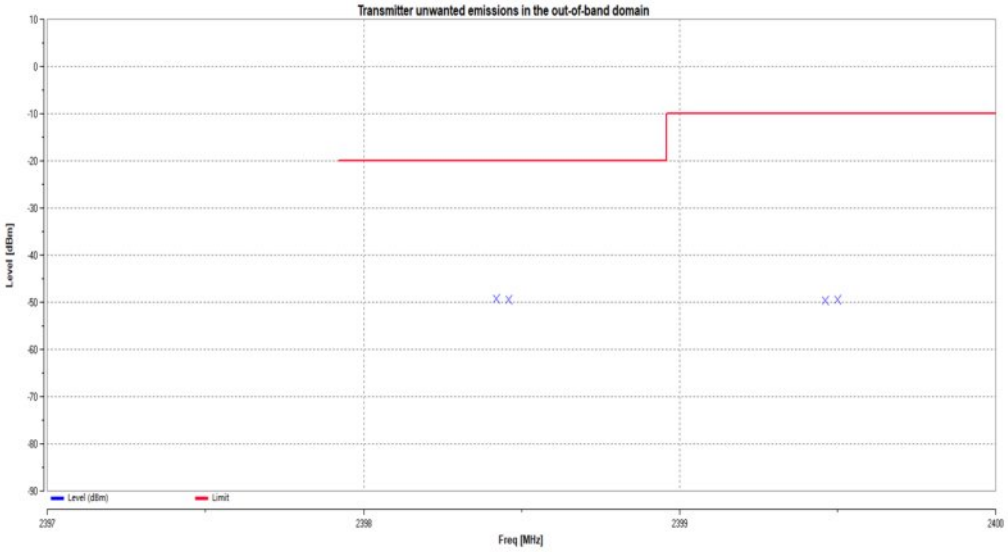
BLE_1M_Ant1_2402_2400MHz-2BW to 2400MHz



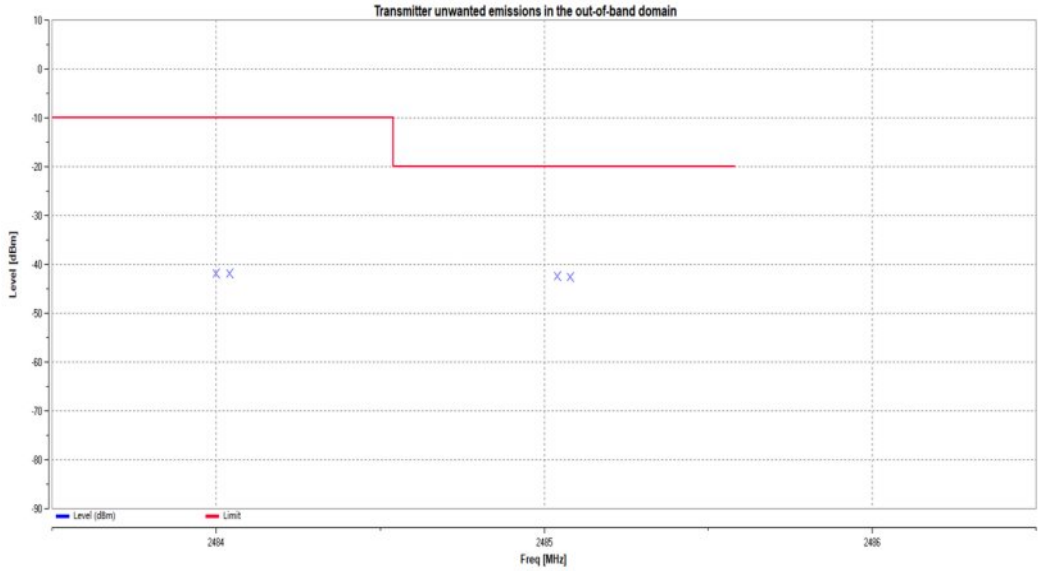
BLE_1M_Ant1_2402_2483.5MHz to 2483.5MHz+2BW



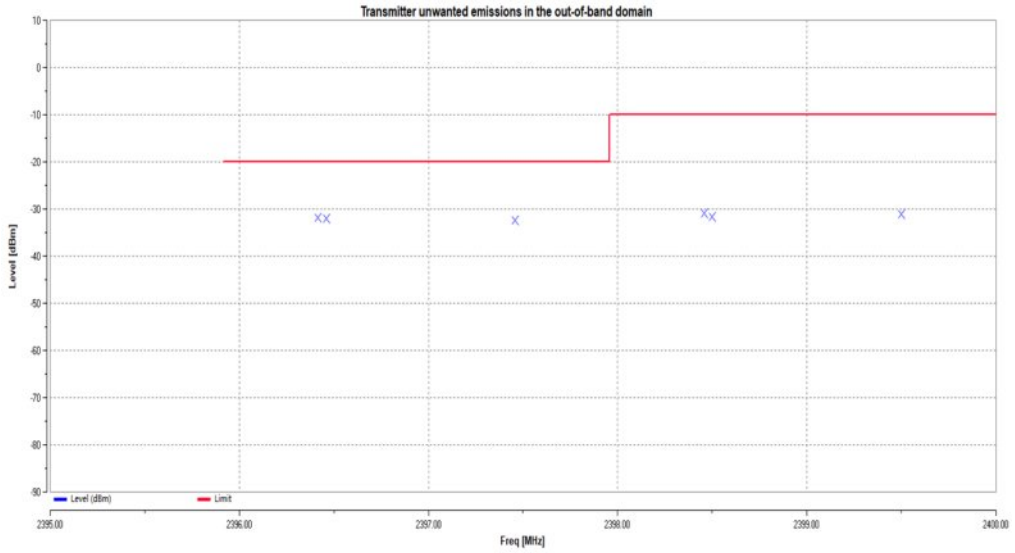
BLE_1M_Ant1_2480_2400MHz-2BW to 2400MHz



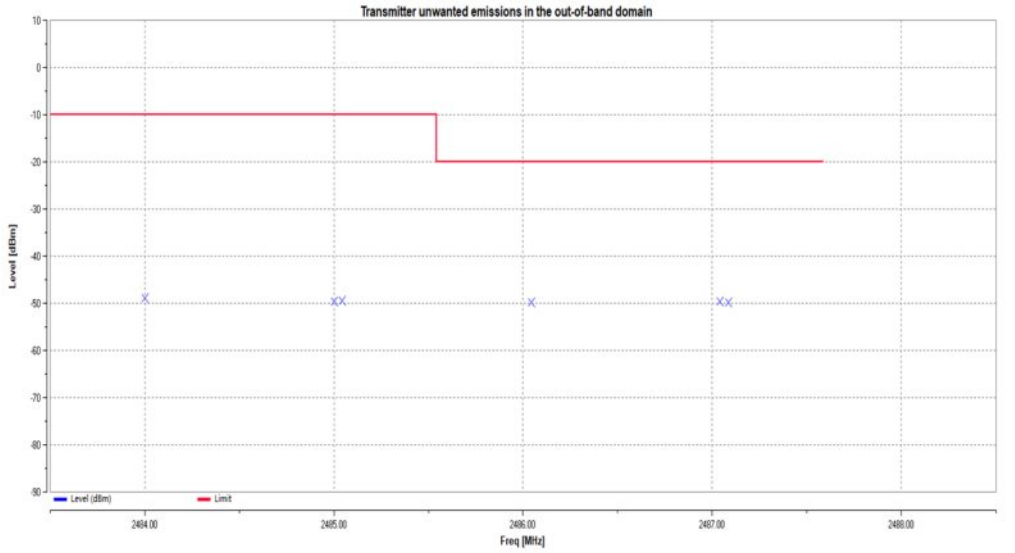
BLE_1M_Ant1_2480_2483.5MHz to 2483.5MHz+2BW



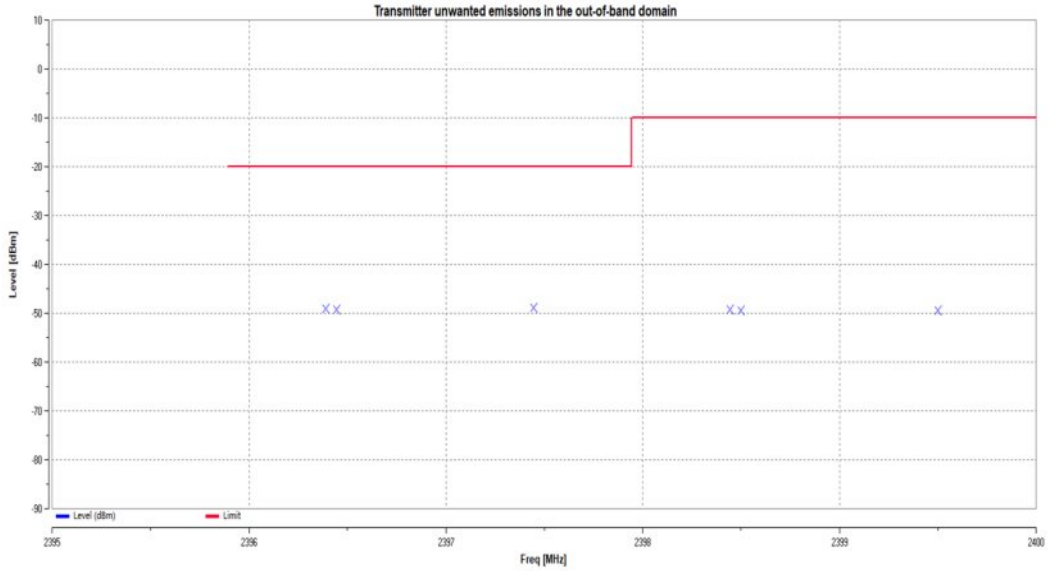
BLE_2M_Ant1_2404_2400MHz-2BW to 2400MHz



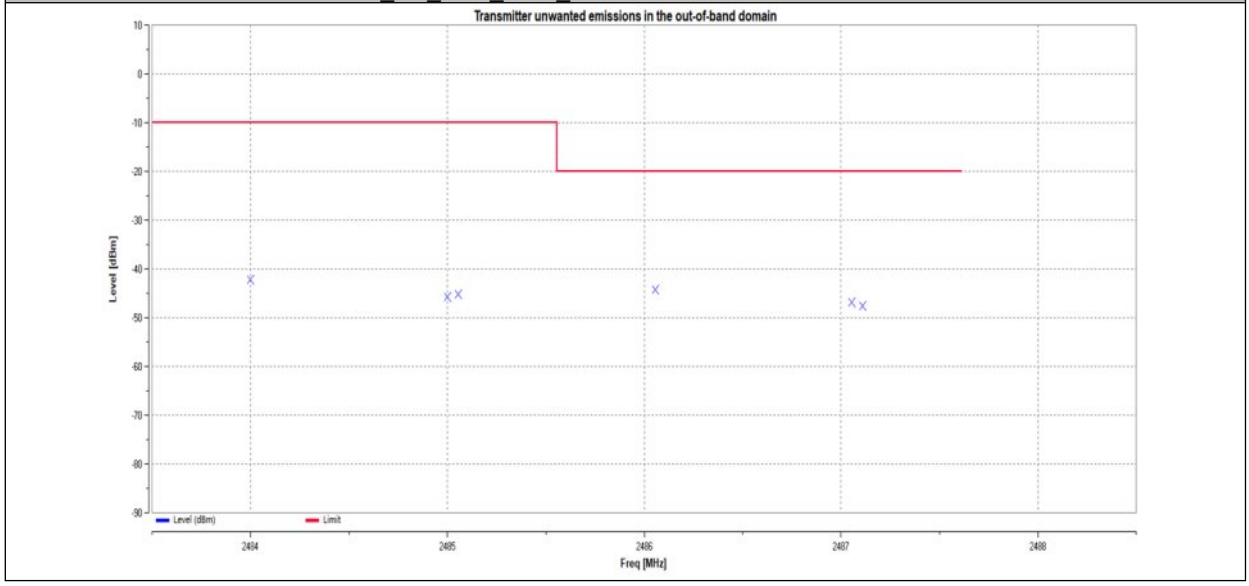
BLE_2M_Ant1_2404_2483.5MHz to 2483.5MHz+2BW



BLE_2M_Ant1_2478_2400MHz-2BW to 2400MHz



BLE_2M_Ant1_2478_2483.5MHz to 2483.5MHz+2BW

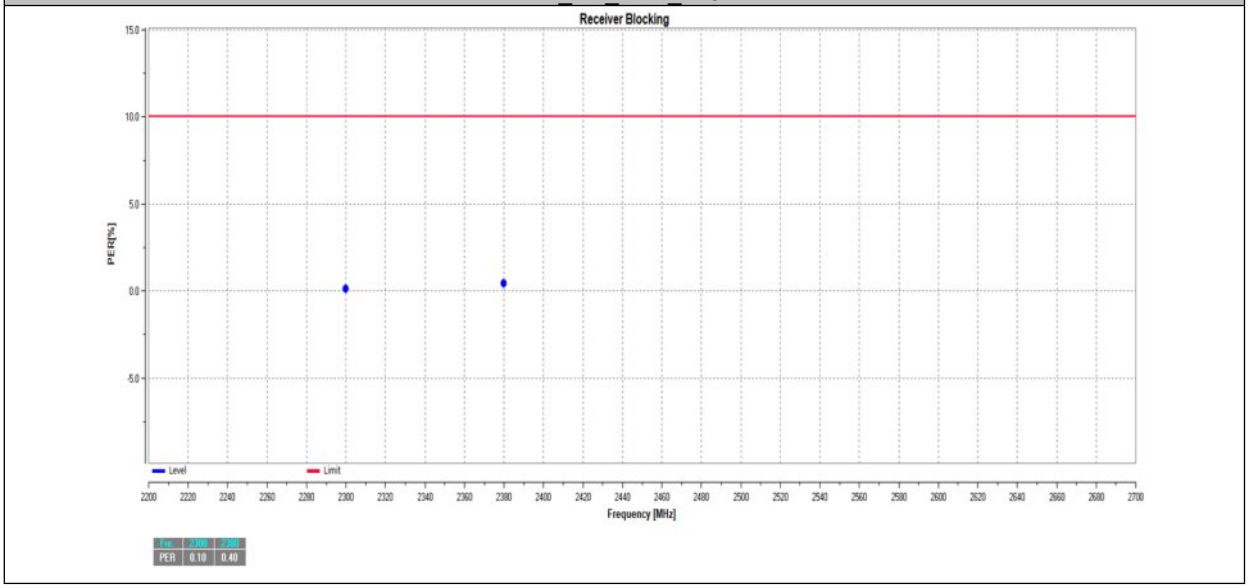


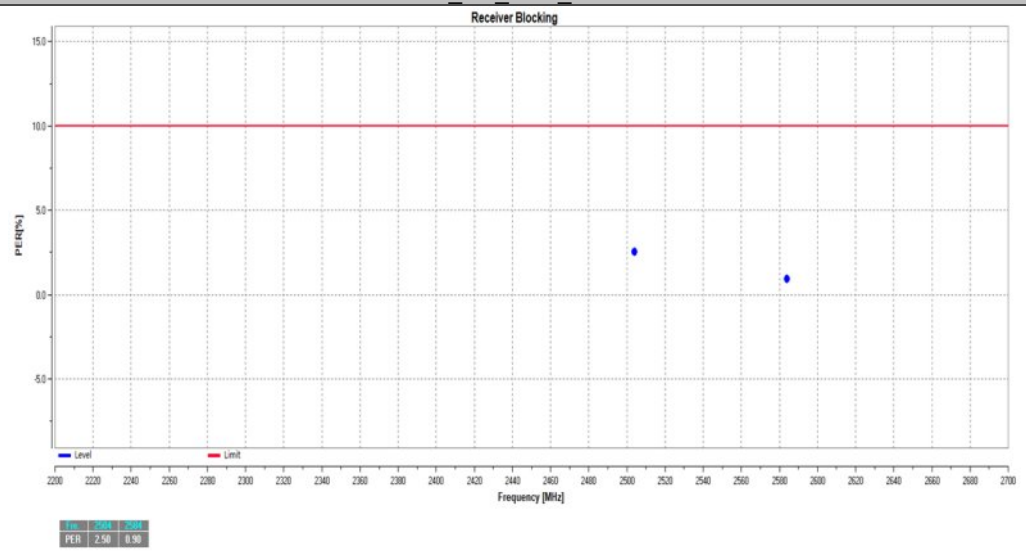
5 Appendix B.5: Receiver Blocking

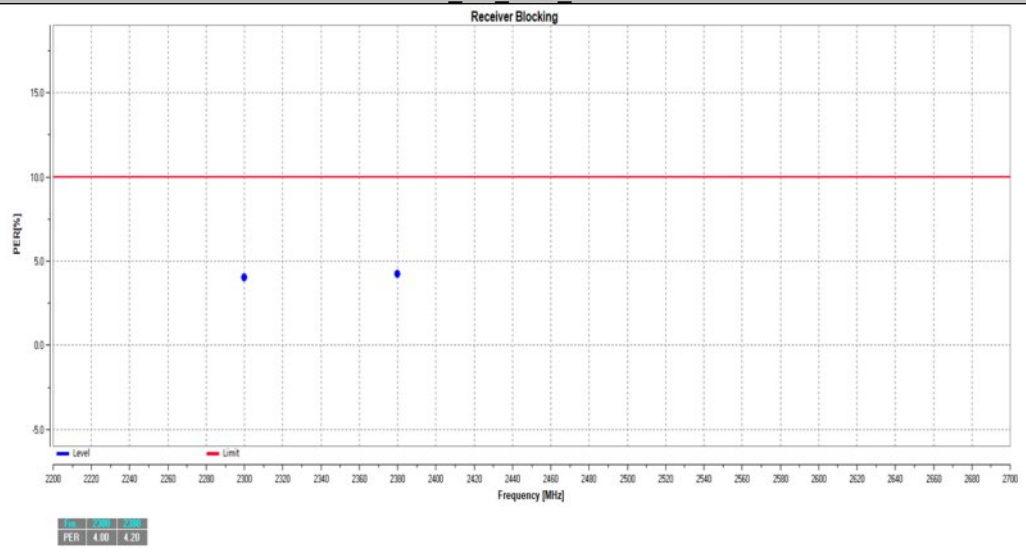
Note: The EUT is category 2 receiver.

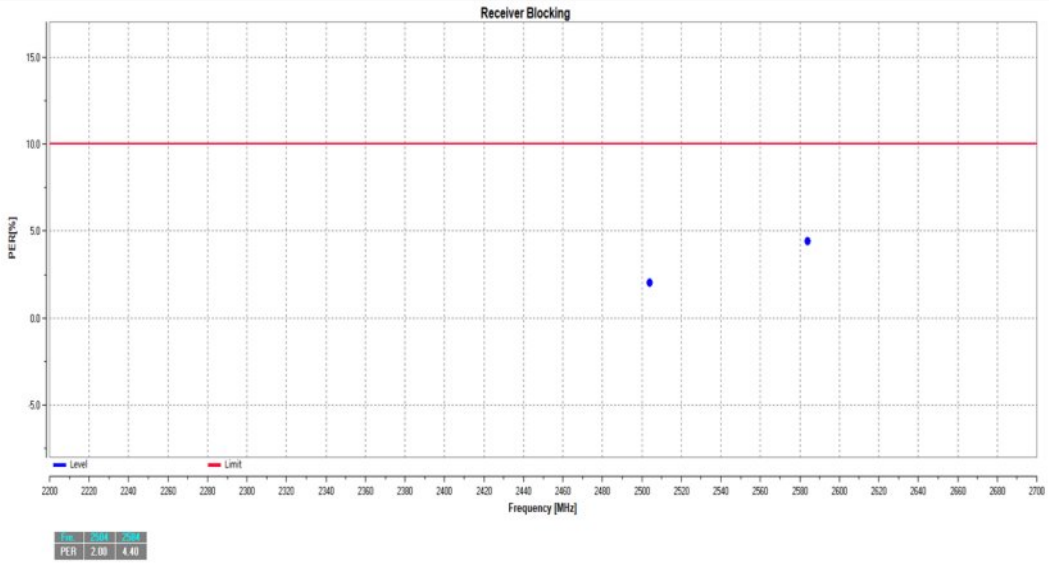
Test Mode	Antenna	Frequency [MHz]	Pmin [dBm]	Wanted signal [dBm]	Freq. [MHz]	CW [dBm]	PER [%]	Limit [%]	Verdict
BLE_1M	Ant1	2402	---	-66.24	2300	-31.41	0.10	≤10	PASS
			---	-66.24	2380	-31.41	0.40	≤10	PASS
		2480	---	-66.24	2504	-31.41	2.50	≤10	PASS
			---	-66.24	2584	-31.41	0.90	≤10	PASS
BLE_2M	Ant1	2404	---	-63.28	2300	-31.41	4.00	≤10	PASS
			---	-63.28	2380	-31.41	4.20	≤10	PASS
		2478	---	-63.28	2504	-31.41	2.00	≤10	PASS
			---	-63.28	2584	-31.41	4.40	≤10	PASS

BLE_1M_Ant1_2402



BLE_1M_Ant1_2480


BLE_2M_Ant1_2404


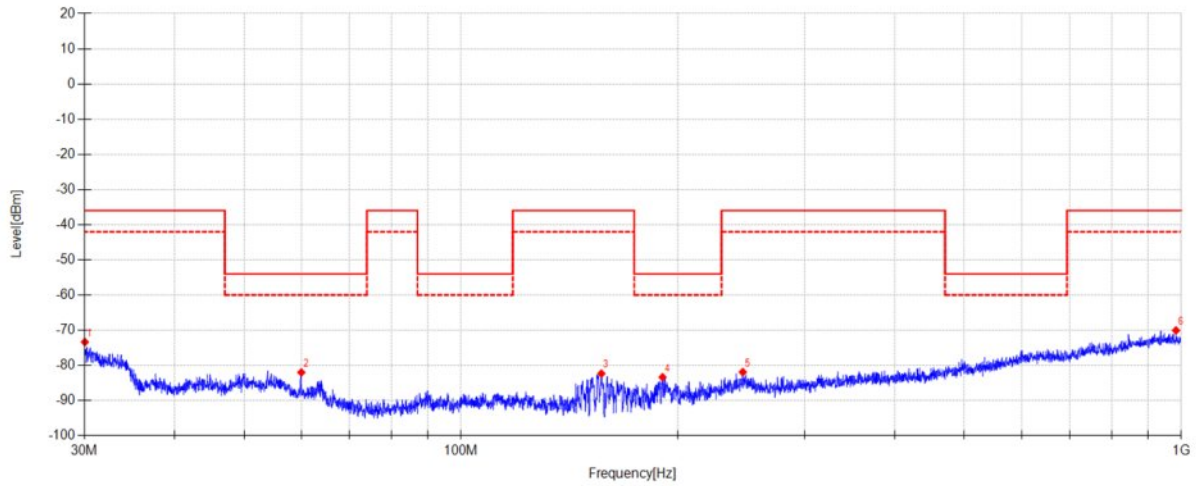
BLE_2M_Ant1_2478


6 Appendix B.6 : Transmitter unwanted emissions

Note: The EUT without antenna connectors.

Test Date:	2024-11-19	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	BLE1M 2402MHz TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE BELOW1G\33		
Memo:	Sample NumberS24102903-001 Power Setting:10		

Test Graph

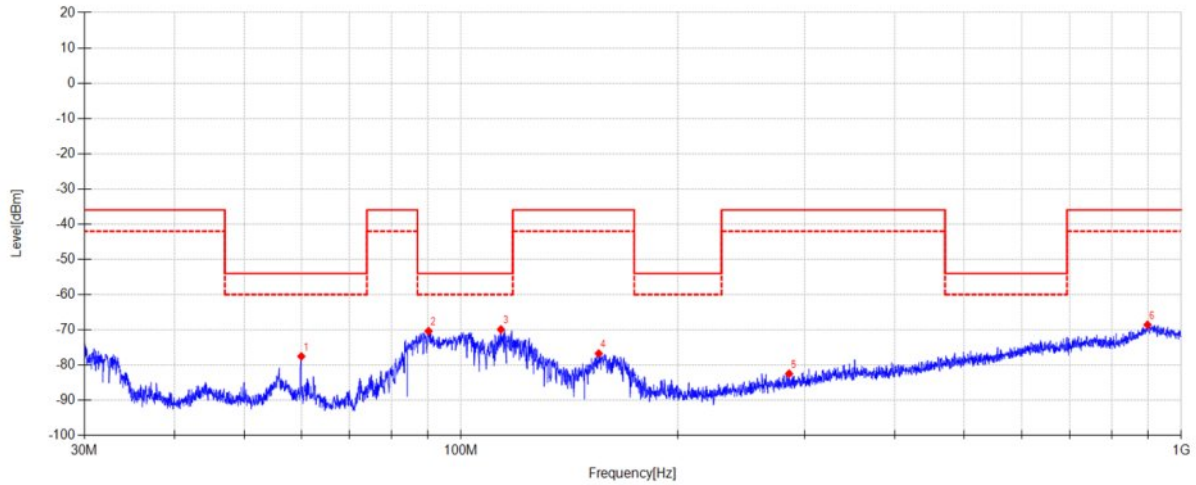


Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	30.042	39.76	-113.11	-73.35	-36.00	37.35	PK	Horizontal	ERP
2	60.019	30.49	-112.48	-81.99	-54.00	27.99	PK	Horizontal	ERP
3	156.626	35.51	-117.84	-82.33	-36.00	46.33	PK	Horizontal	ERP
4	190.468	32.44	-115.78	-83.34	-54.00	29.34	PK	Horizontal	ERP
5	246.193	30.18	-112.08	-81.90	-36.00	45.90	PK	Horizontal	ERP
6	983.313	28.03	-98.08	-70.05	-36.00	34.05	PK	Horizontal	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2024-11-19	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	BLE1M 2402MHz TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE BELOW1G\34		
Memo:	Sample NumberS24102903-001 Power Setting:10		

Test Graph

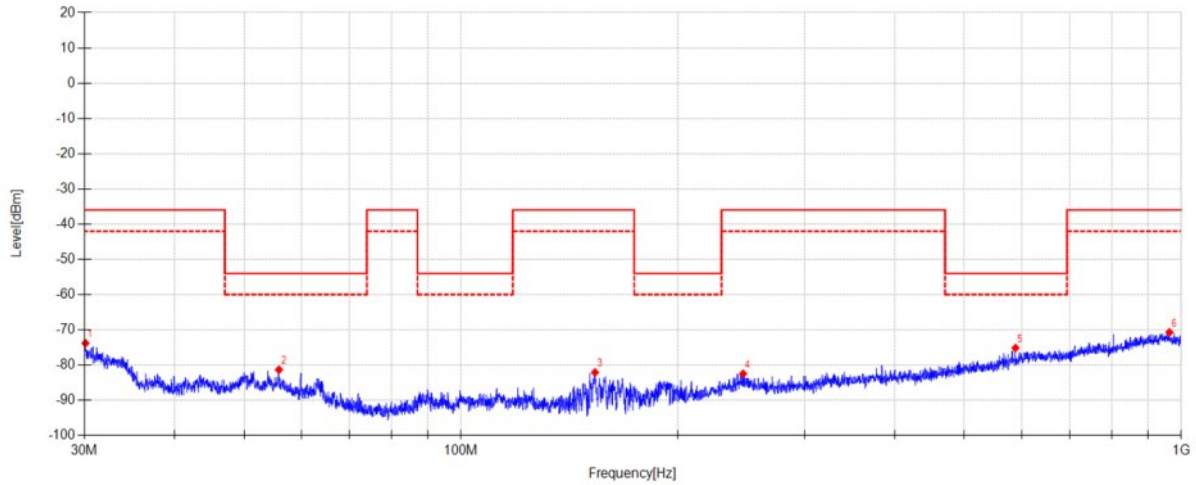


Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	60.019	37.23	-114.75	-77.52	-54.00	23.52	PK	Vertical	ERP
2	90.137	41.59	-111.95	-70.36	-54.00	16.36	PK	Vertical	ERP
3	113.604	41.17	-111.06	-69.89	-54.00	15.89	PK	Vertical	ERP
4	155.313	36.91	-113.63	-76.72	-36.00	40.72	PK	Vertical	ERP
5	285.448	27.62	-110.06	-82.44	-36.00	46.44	PK	Vertical	ERP
6	897.645	26.68	-95.25	-68.57	-36.00	32.57	PK	Vertical	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2024-11-19	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	BLE1M 2480MHz TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE BELOW1G\35		
Memo:	Sample NumberS24102903-001 Power Setting:10		

Test Graph



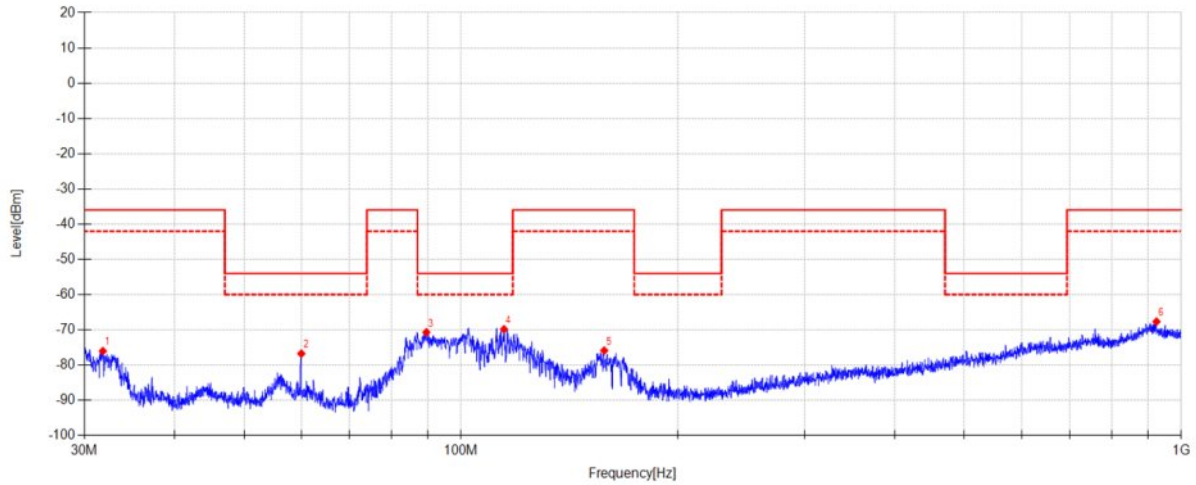
Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	30.105	39.32	-113.10	-73.78	-36.00	37.78	PK	Horizontal	ERP
2	55.876	30.15	-111.46	-81.31	-54.00	27.31	PK	Horizontal	ERP
3	153.473	35.97	-118.03	-82.06	-36.00	46.06	PK	Horizontal	ERP
4	246.365	29.61	-112.07	-82.46	-36.00	46.46	PK	Horizontal	ERP
5	588.555	28.94	-104.07	-75.13	-54.00	21.13	PK	Horizontal	ERP
6	962.845	26.98	-97.69	-70.71	-36.00	34.71	PK	Horizontal	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2024-11-19	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	BLE1M 2480MHz TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE BELOW1G\36		
Memo:	Sample NumberS24102903-001 Power Setting:10		

Test Graph

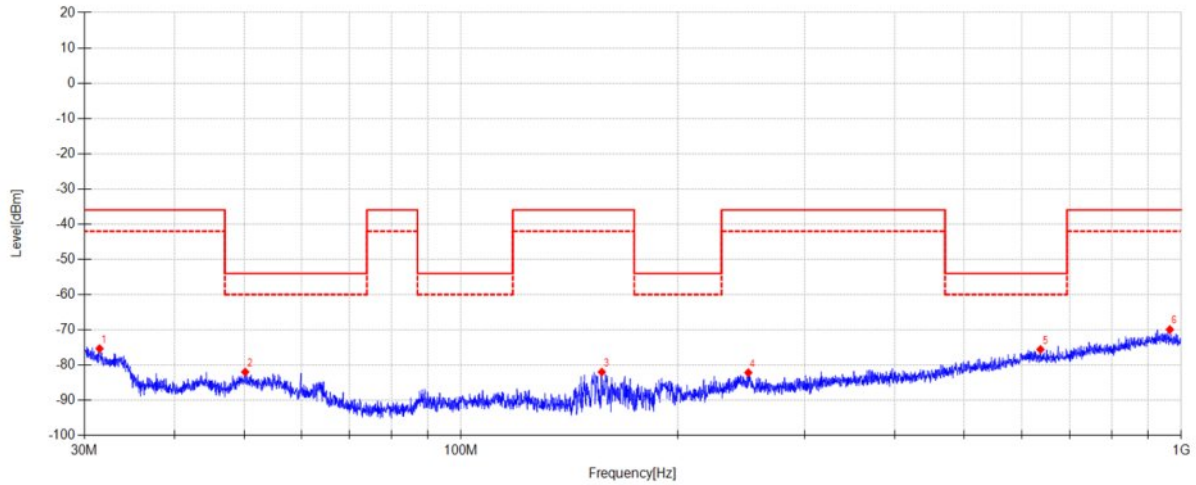


Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	31.820	40.48	-116.50	-76.02	-36.00	40.02	PK	Vertical	ERP
2	60.019	38.01	-114.75	-76.74	-54.00	22.74	PK	Vertical	ERP
3	89.508	41.50	-112.19	-70.69	-54.00	16.69	PK	Vertical	ERP
4	114.725	41.32	-111.14	-69.82	-54.00	15.82	PK	Vertical	ERP
5	158.060	37.74	-113.63	-75.89	-36.00	39.89	PK	Vertical	ERP
6	923.825	27.79	-95.44	-67.65	-36.00	31.65	PK	Vertical	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2024-11-19	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	BLE2M 2404MHz TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE BELOW1G\39		
Memo:	Sample NumberS24102903-001 Power Setting:10		

Test Graph



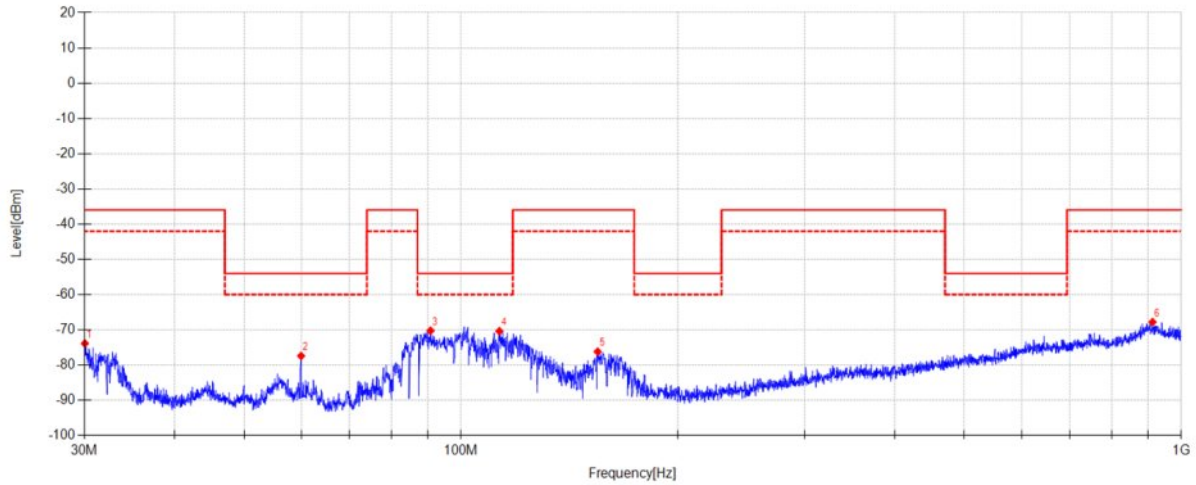
Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	31.487	37.53	-112.85	-75.32	-36.00	39.32	PK	Horizontal	ERP
2	50.157	28.09	-110.06	-81.97	-54.00	27.97	PK	Horizontal	ERP
3	156.845	35.86	-117.83	-81.97	-36.00	45.97	PK	Horizontal	ERP
4	250.546	29.66	-111.81	-82.15	-36.00	46.15	PK	Horizontal	ERP
5	637.531	27.68	-103.23	-75.55	-54.00	21.55	PK	Horizontal	ERP
6	964.196	27.80	-97.72	-69.92	-36.00	33.92	PK	Horizontal	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2024-11-19	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	BLE2M 2404MHz TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE BELOW1G\40		
Memo:	Sample NumberS24102903-001 Power Setting:10		

Test Graph

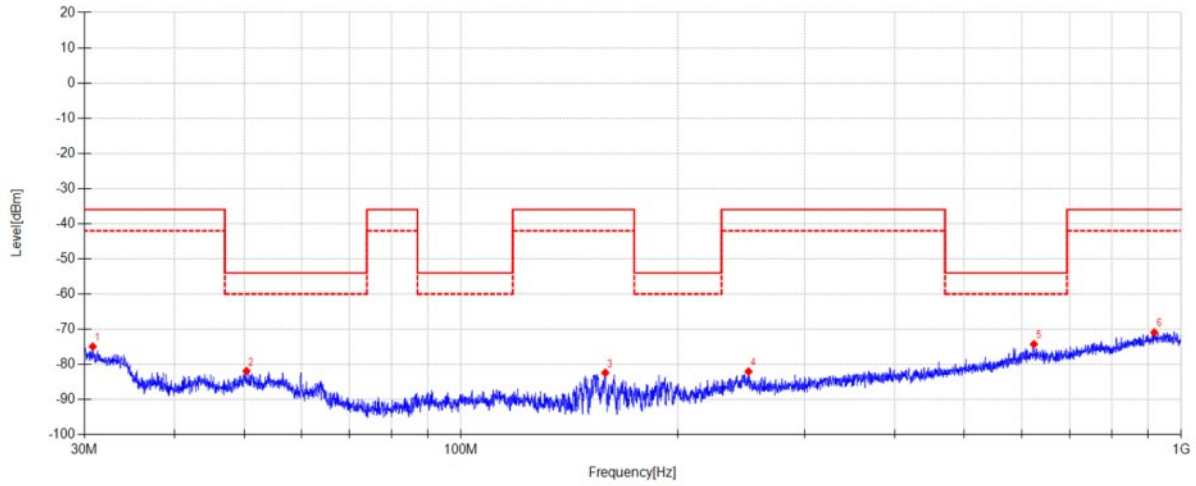


Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	30.042	42.83	-116.68	-73.85	-36.00	37.85	PK	Vertical	ERP
2	59.977	37.35	-114.74	-77.39	-54.00	23.39	PK	Vertical	ERP
3	90.708	41.60	-111.84	-70.24	-54.00	16.24	PK	Vertical	ERP
4	113.048	40.66	-111.02	-70.36	-54.00	16.36	PK	Vertical	ERP
5	154.770	37.45	-113.62	-76.17	-36.00	40.17	PK	Vertical	ERP
6	912.239	27.49	-95.27	-67.78	-36.00	31.78	PK	Vertical	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2024-11-19	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	BLE2M 2478MHz TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE BELOW1G\37		
Memo:	Sample NumberS24102903-001 Power Setting:10		

Test Graph

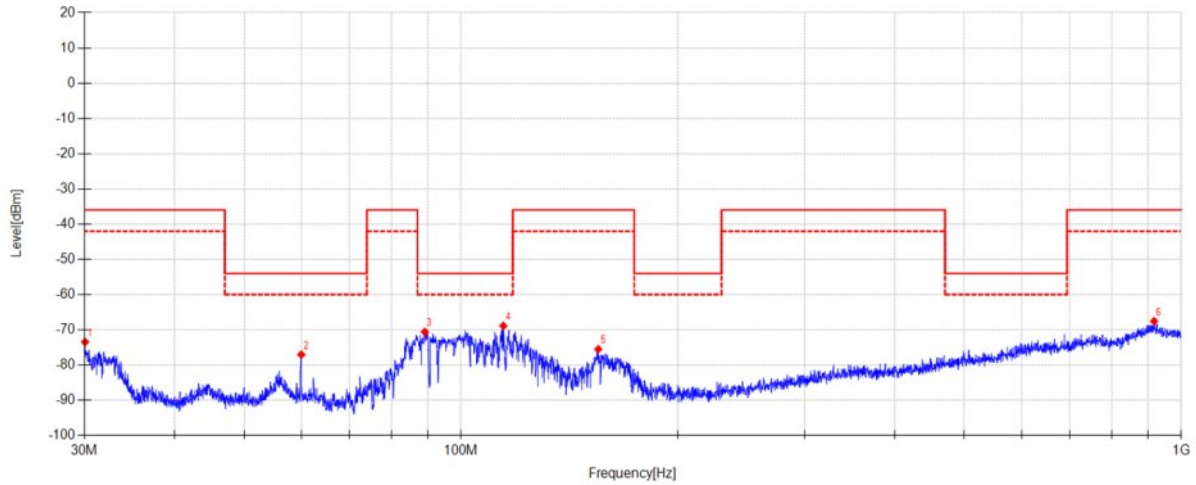


Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	30.810	38.03	-112.98	-74.95	-36.00	38.95	PK	Horizontal	ERP
2	50.368	28.21	-110.11	-81.90	-54.00	27.90	PK	Horizontal	ERP
3	158.615	35.33	-117.72	-82.39	-36.00	46.39	PK	Horizontal	ERP
4	250.722	29.78	-111.81	-82.03	-36.00	46.03	PK	Horizontal	ERP
5	624.261	29.06	-103.33	-74.27	-54.00	20.27	PK	Horizontal	ERP
6	917.370	27.47	-98.37	-70.90	-36.00	34.90	PK	Horizontal	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2024-11-19	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	BLE2M 2478MHz TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE BELOW1G\38		
Memo:	Sample NumberS24102903-001 Power Setting:10		

Test Graph

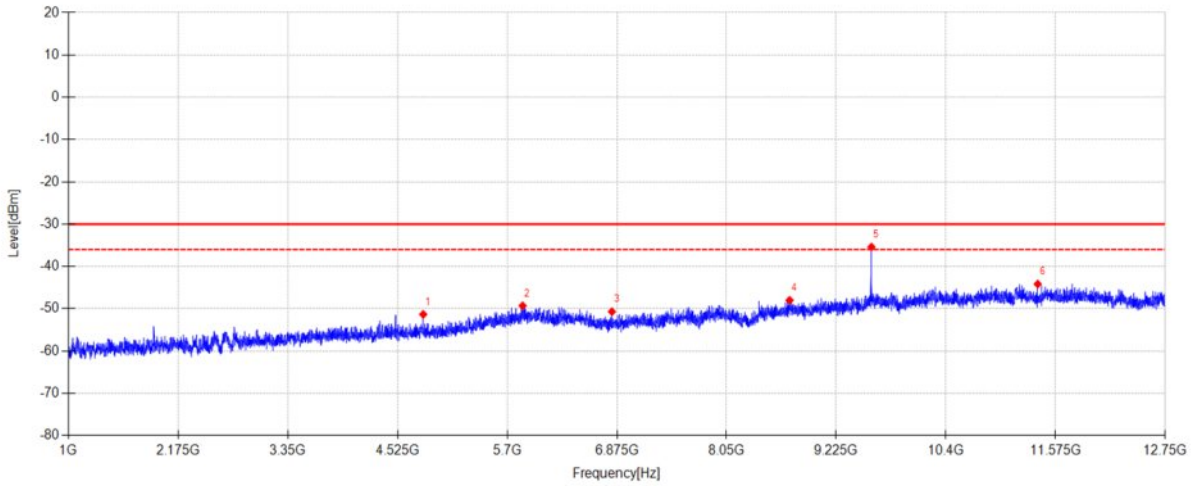


Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	30.063	43.23	-116.67	-73.44	-36.00	37.44	PK	Vertical	ERP
2	60.019	37.73	-114.75	-77.02	-54.00	23.02	PK	Vertical	ERP
3	89.069	41.82	-112.39	-70.57	-54.00	16.57	PK	Vertical	ERP
4	114.484	42.26	-111.12	-68.86	-54.00	14.86	PK	Vertical	ERP
5	155.096	38.14	-113.63	-75.49	-36.00	39.49	PK	Vertical	ERP
6	916.727	27.81	-95.34	-67.53	-36.00	31.53	PK	Vertical	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2024-11-12	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	BLE1M 2402MHz TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE ABOVE1G\5		
Memo:	Sample NumberS24102903-001 Power Setting:10		

Test Graph



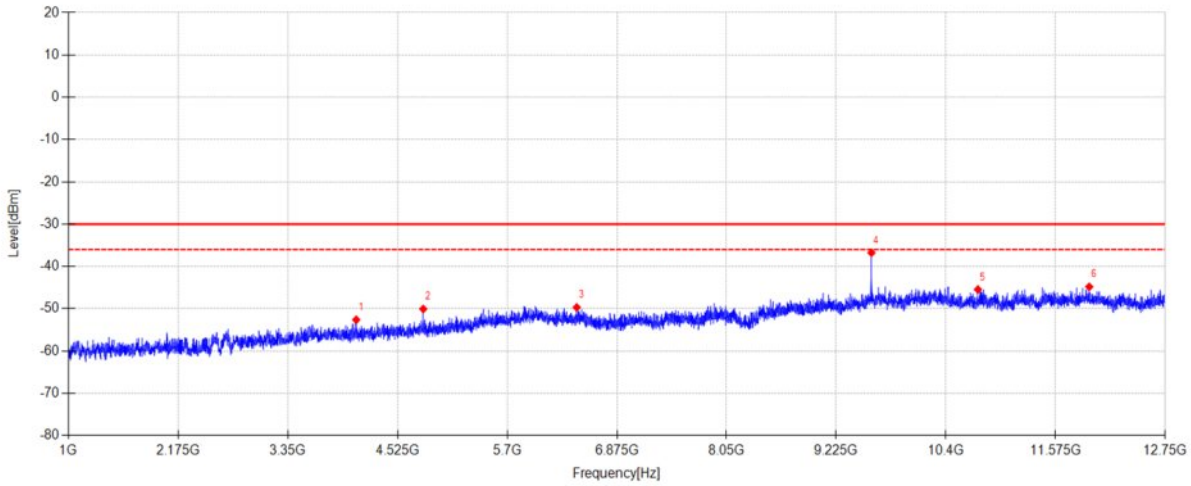
Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	4801.125	47.39	-98.72	-51.33	**-30.00**	21.33	PK	Vertical	EIRP
2	5865.675	44.85	-94.15	-49.30	**-30.00**	19.30	PK	Vertical	EIRP
3	6822.125	44.14	-94.84	-50.70	**-30.00**	20.70	PK	Vertical	EIRP
4	8725.625	42.43	-90.42	-47.99	**-30.00**	17.99	PK	Vertical	EIRP
5	9602.175	53.58	-88.97	-35.39	**-30.00**	5.39	PK	Vertical	EIRP
6	11383.475	42.79	-86.96	-44.17	**-30.00**	14.17	PK	Vertical	EIRP

Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**RMS Value [dBm]**	**RMS Limit [dBm]**	**RMS Margin [dB]**	**Detector**	**Polarity**	**Type**
1	9602.175	52.62	-88.97	-36.35	-30.00	6.35	RMS	Vertical	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Date:	2024-11-12	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	BLE1M 2402MHz TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE ABOVE1G\6		
Memo:	Sample NumberS24102903-001 Power Setting:10		

Test Graph

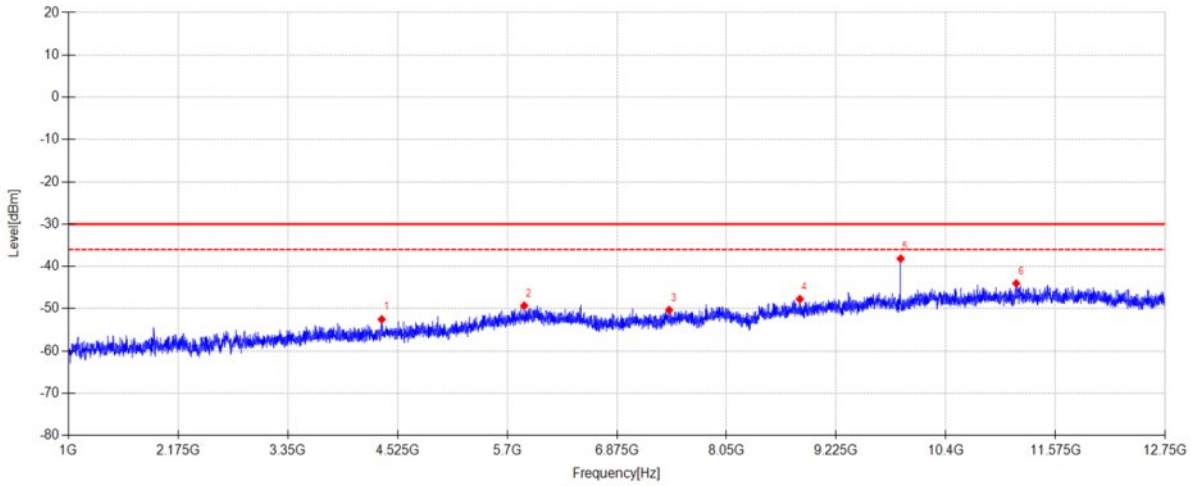


Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	4083.200	47.74	-100.35	-52.61	**-30.00**	22.61	PK	Horizontal	EIRP
2	4801.125	48.25	-98.31	-50.06	**-30.00**	20.06	PK	Horizontal	EIRP
3	6444.950	44.48	-94.17	-49.69	**-30.00**	19.69	PK	Horizontal	EIRP
4	9602.175	51.77	-88.54	-36.77	**-30.00**	6.77	PK	Horizontal	EIRP
5	10743.100	42.60	-88.06	-45.46	**-30.00**	15.46	PK	Horizontal	EIRP
6	11935.725	43.09	-87.91	-44.82	**-30.00**	14.82	PK	Horizontal	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Date:	2024-11-12	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	BLE1M 2480MHz TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE ABOVE1G\7		
Memo:	Sample NumberS24102903-001 Power Setting:10		

Test Graph



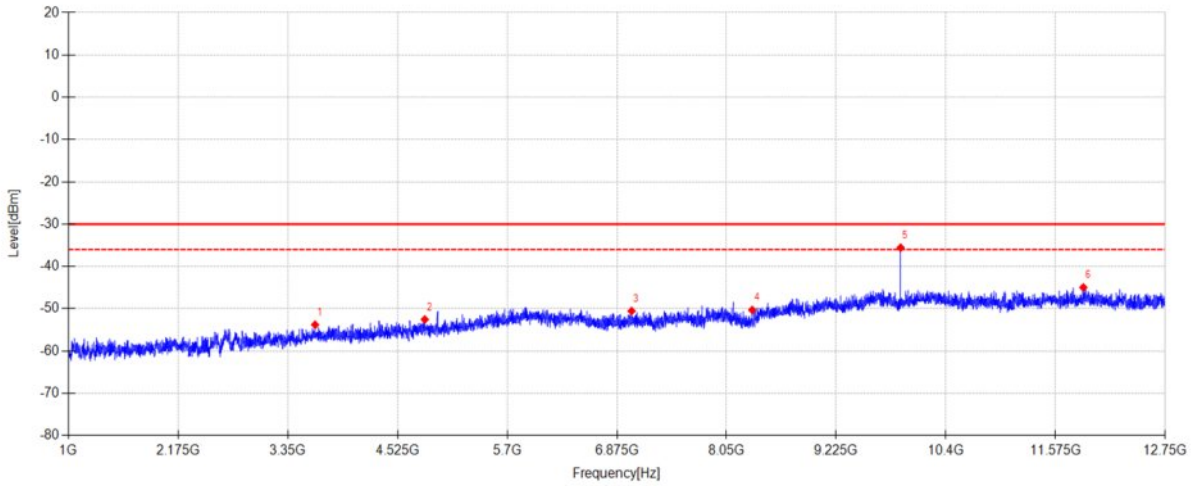
Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	4355.800	47.25	-99.78	-52.53	**-30.00**	22.53	PK	Vertical	EIRP
2	5883.300	44.78	-94.07	-49.29	**-30.00**	19.29	PK	Vertical	EIRP
3	7435.475	43.58	-93.91	-50.33	**-30.00**	20.33	PK	Vertical	EIRP
4	8836.075	42.39	-90.12	-47.73	**-30.00**	17.73	PK	Vertical	EIRP
5	9914.725	50.44	-88.60	-38.16	**-30.00**	8.16	PK	Vertical	EIRP
6	11153.175	42.78	-86.81	-44.03	**-30.00**	14.03	PK	Vertical	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Date:	2024-11-12	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	BLE1M 2480MHz TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE ABOVE1G\8		
Memo:	Sample NumberS24102903-001 Power Setting:10		

Test Graph



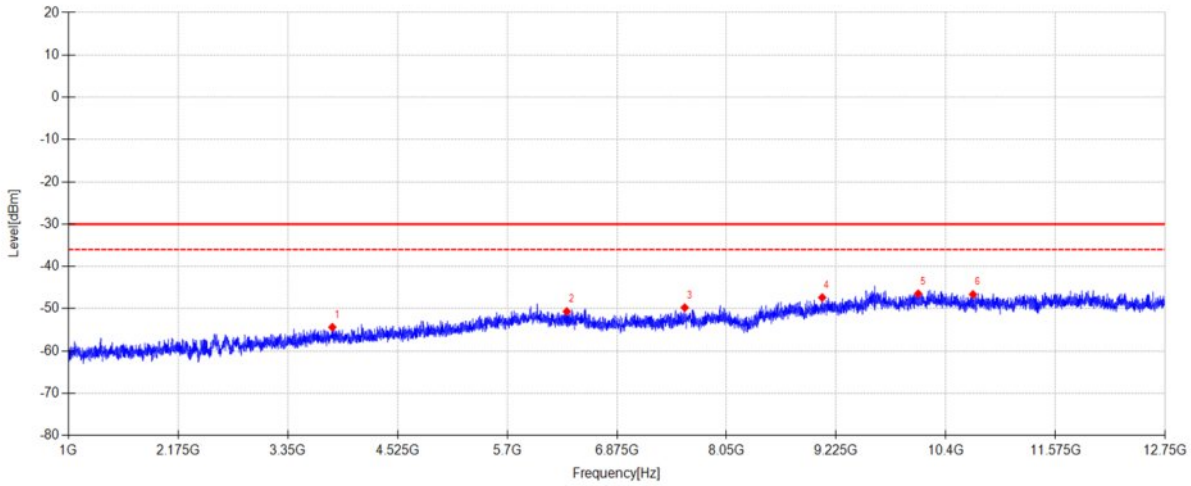
Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	3642.575	47.31	-101.11	-53.80	**-30.00**	23.80	PK	Horizontal	EIRP
2	4817.575	45.72	-98.26	-52.54	**-30.00**	22.54	PK	Horizontal	EIRP
3	7032.450	44.35	-94.89	-50.54	**-30.00**	20.54	PK	Horizontal	EIRP
4	8326.125	41.34	-91.64	-50.30	**-30.00**	20.30	PK	Horizontal	EIRP
5	9914.725	52.55	-88.12	-35.57	**-30.00**	5.57	PK	Horizontal	EIRP
6	11872.275	42.93	-87.91	-44.98	**-30.00**	14.98	PK	Horizontal	EIRP

Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**RMS Value [dBm]**	**RMS Limit [dBm]**	**RMS Margin [dB]**	**Detector**	**Polarity**	**Type**
1	9914.725	51.89	-88.12	-36.23	-30.00	6.23	RMS	Horizontal	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Date:	2024-11-14	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	BLE2M 2404MHz TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE ABOVE1G\9		
Memo:	Sample NumberS24102903-001 Power Setting:10		

Test Graph

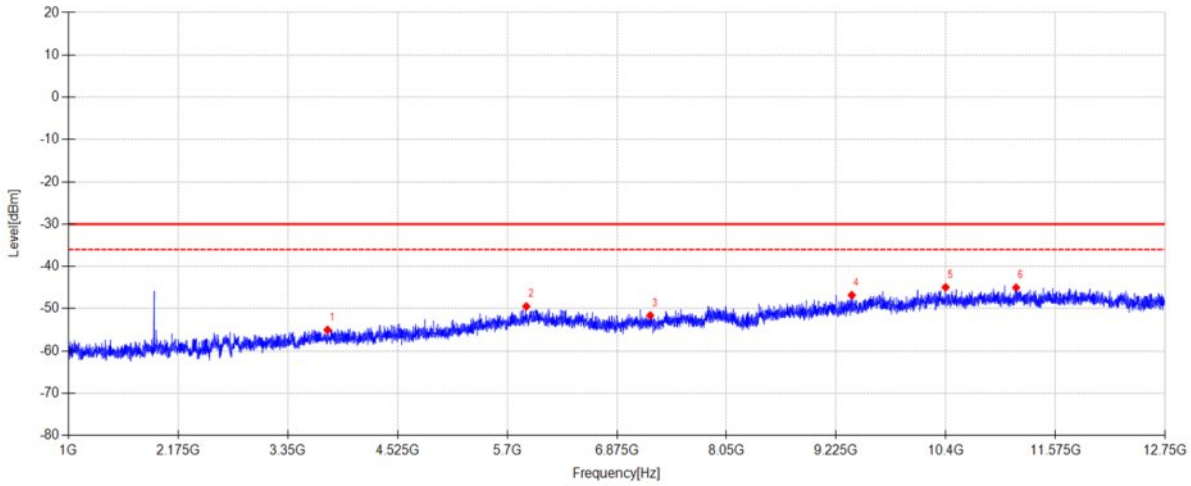


Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	3827.050	46.47	-100.84	-54.37	**-30.00**	24.37	PK	Horizontal	EIRP
2	6339.200	43.36	-94.02	-50.66	**-30.00**	20.66	PK	Horizontal	EIRP
3	7602.325	43.89	-93.63	-49.74	**-30.00**	19.74	PK	Horizontal	EIRP
4	9074.600	41.90	-89.26	-47.36	**-30.00**	17.36	PK	Horizontal	EIRP
5	10102.725	41.55	-88.01	-46.46	**-30.00**	16.46	PK	Horizontal	EIRP
6	10690.225	41.43	-88.05	-46.62	**-30.00**	16.62	PK	Horizontal	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Date:	2024-11-14	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	BLE2M 2404MHz TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE ABOVE1G\10		
Memo:	Sample NumberS24102903-001 Power Setting:10		

Test Graph

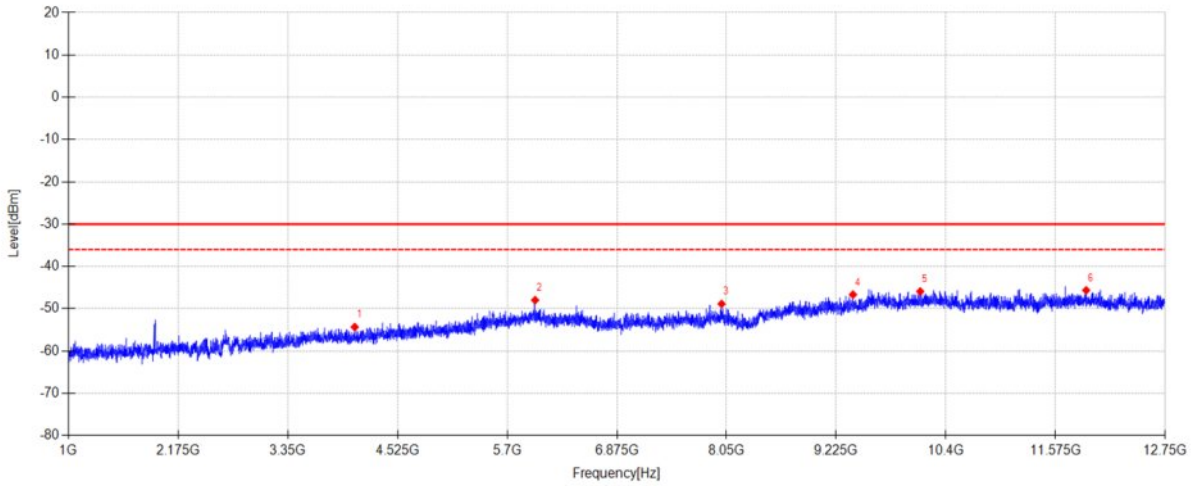


Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	3775.350	45.93	-100.93	-55.00	**-30.00**	25.00	PK	Vertical	EIRP
2	5904.450	44.52	-93.97	-49.45	**-30.00**	19.45	PK	Vertical	EIRP
3	7232.200	42.87	-94.47	-51.60	**-30.00**	21.60	PK	Vertical	EIRP
4	9391.850	42.43	-89.23	-46.80	**-30.00**	16.80	PK	Vertical	EIRP
5	10396.475	42.85	-87.79	-44.94	**-30.00**	14.94	PK	Vertical	EIRP
6	11152.000	41.80	-86.81	-45.01	**-30.00**	15.01	PK	Vertical	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Date:	2024-11-14	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	BLE2M 2478MHz TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE ABOVE1G\11		
Memo:	Sample NumberS24102903-001 Power Setting:10		

Test Graph

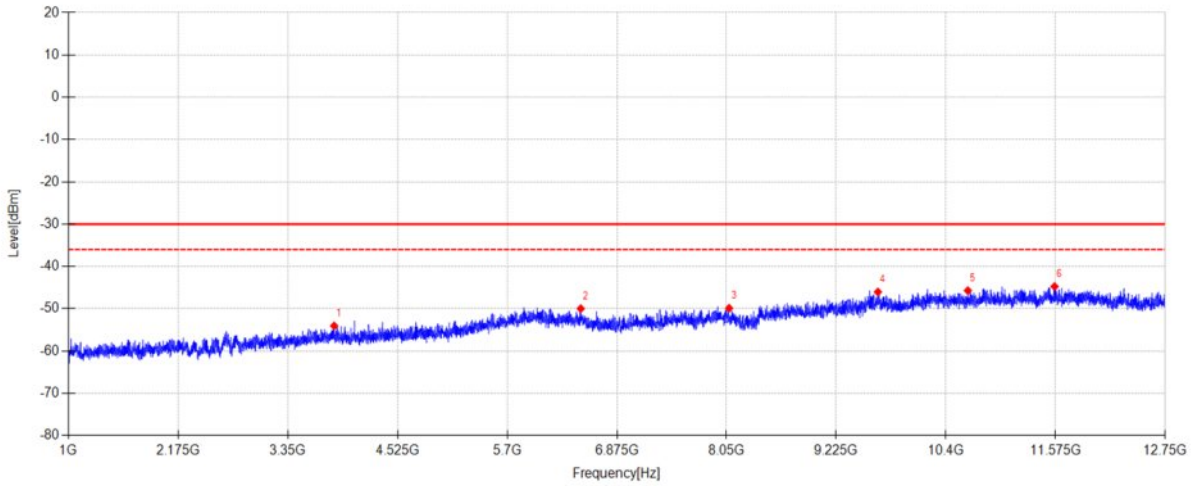


Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	4066.750	46.07	-100.40	-54.33	**-30.00**	24.33	PK	Horizontal	EIRP
2	5999.625	45.58	-93.55	-47.97	**-30.00**	17.97	PK	Horizontal	EIRP
3	7997.125	43.88	-92.74	-48.86	**-30.00**	18.86	PK	Horizontal	EIRP
4	9404.775	42.14	-88.81	-46.67	**-30.00**	16.67	PK	Horizontal	EIRP
5	10125.050	42.09	-88.01	-45.92	**-30.00**	15.92	PK	Horizontal	EIRP
6	11902.825	42.26	-87.90	-45.64	**-30.00**	15.64	PK	Horizontal	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Date:	2024-11-14	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	BLE2M 2478MHz TX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE ABOVE1G\12		
Memo:	Sample NumberS24102903-001 Power Setting:10		

Test Graph



Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	3847.025	46.76	-100.82	-54.06	**-30.00**	24.06	PK	Vertical	EIRP
2	6488.425	44.32	-94.29	-49.97	**-30.00**	19.97	PK	Vertical	EIRP
3	8077.025	42.25	-92.12	-49.87	**-30.00**	19.87	PK	Vertical	EIRP
4	9671.500	42.87	-88.90	-46.03	**-30.00**	16.03	PK	Vertical	EIRP
5	10635.000	41.66	-87.37	-45.71	**-30.00**	15.71	PK	Vertical	EIRP
6	11564.425	42.32	-87.07	-44.75	**-30.00**	14.75	PK	Vertical	EIRP

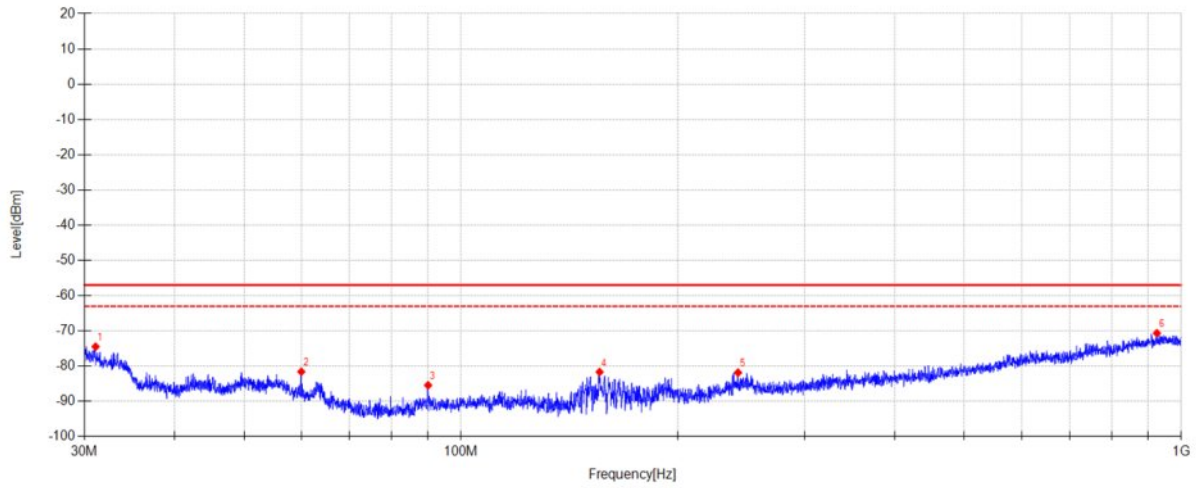
Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

7 Appendix B.7 : Receiver spurious emissions

Note: The EUT without antenna connectors.

Test Date:	2024-11-19	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	BLE1M 2402MHz RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE BELOW1G\25		
Memo:	Sample NumberS24102903-001		

Test Graph

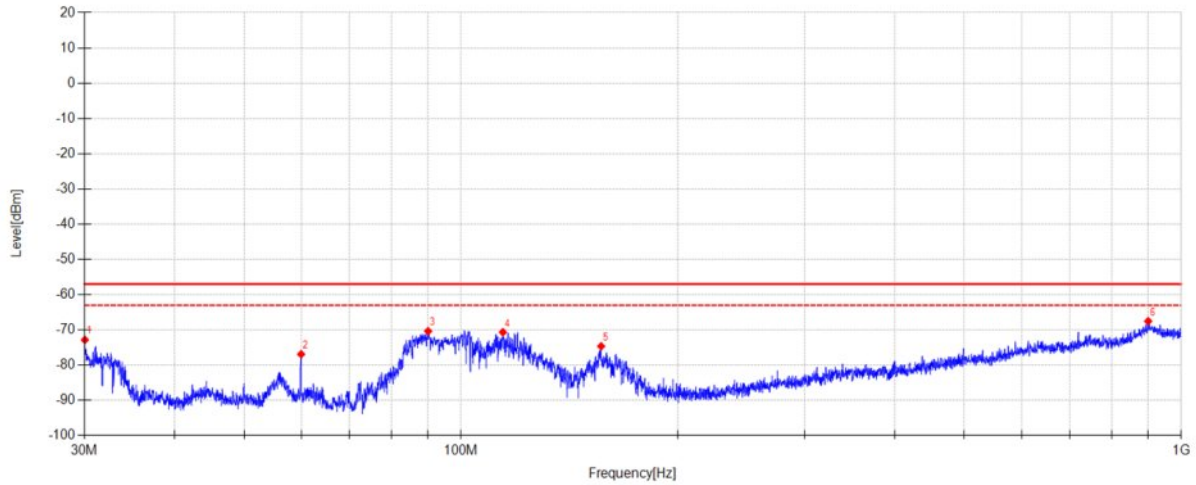


Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	31.092	38.44	-112.92	-74.48	-57.00	17.48	PK	Horizontal	ERP
2	60.019	30.89	-112.48	-81.59	-57.00	24.59	PK	Horizontal	ERP
3	90.011	31.33	-116.77	-85.44	-57.00	28.44	PK	Horizontal	ERP
4	155.749	36.24	-117.90	-81.66	-57.00	24.66	PK	Horizontal	ERP
5	242.424	30.47	-112.32	-81.85	-57.00	24.85	PK	Horizontal	ERP
6	925.122	27.49	-98.15	-70.66	-57.00	13.66	PK	Horizontal	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2024-11-19	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	BLE1M 2402MHz RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE BELOW1G\26		
Memo:	Sample NumberS24102903-001		

Test Graph



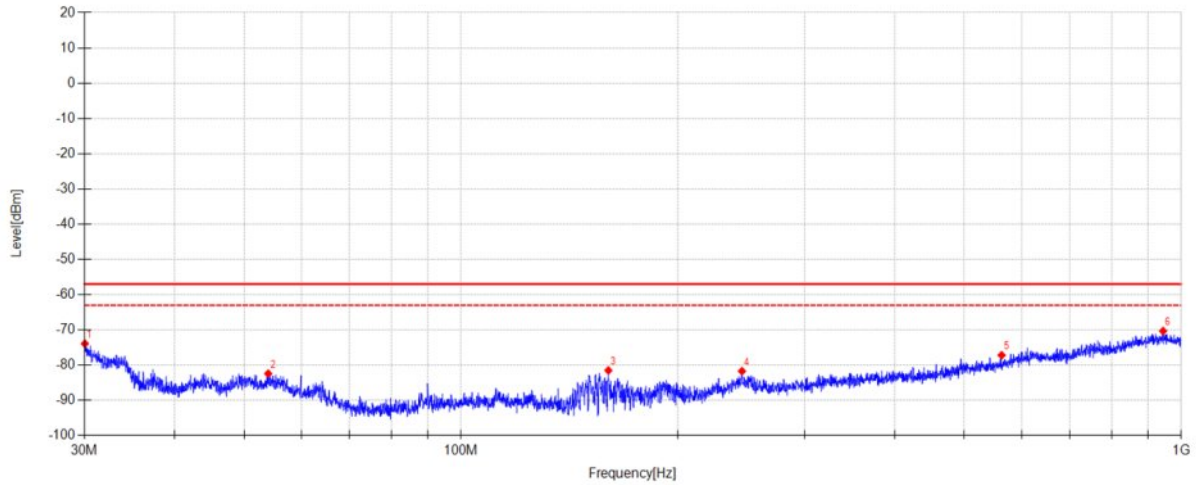
Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	30.042	43.83	-116.68	-72.85	-57.00	15.85	PK	Vertical	ERP
2	59.977	37.84	-114.74	-76.90	-57.00	19.90	PK	Vertical	ERP
3	90.011	41.60	-111.97	-70.37	-57.00	13.37	PK	Vertical	ERP
4	114.324	40.44	-111.11	-70.67	-57.00	13.67	PK	Vertical	ERP
5	156.516	38.98	-113.63	-74.65	-57.00	17.65	PK	Vertical	ERP
6	899.535	27.59	-95.13	-67.54	-57.00	10.54	PK	Vertical	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2024-11-19	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	BLE1M 2480MHz RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE BELOW1G\27		
Memo:	Sample NumberS24102903-001		

Test Graph



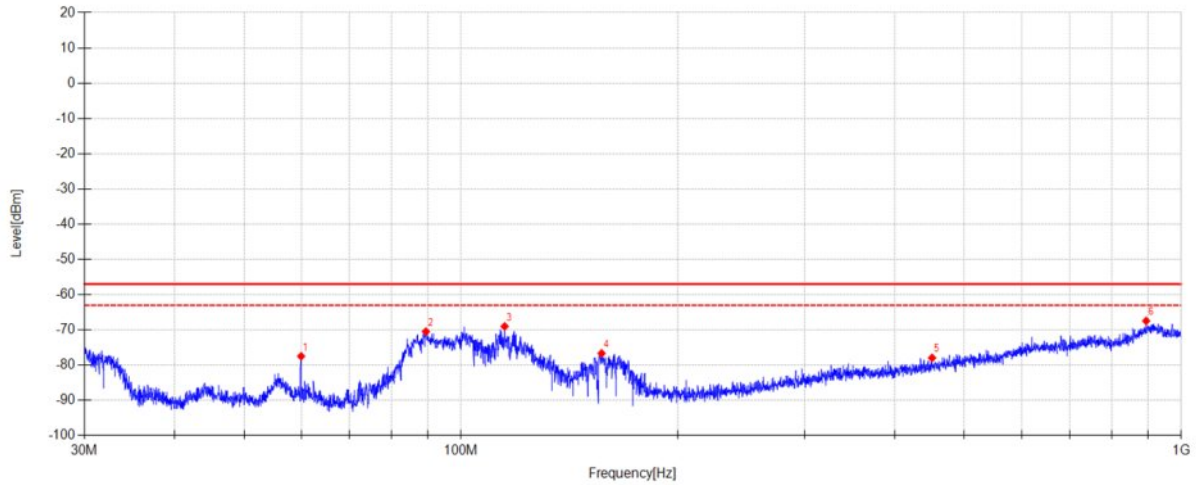
Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	30.042	39.19	-113.11	-73.92	-57.00	16.92	PK	Horizontal	ERP
2	53.989	28.58	-111.00	-82.42	-57.00	25.42	PK	Horizontal	ERP
3	160.180	36.12	-117.63	-81.51	-57.00	24.51	PK	Horizontal	ERP
4	245.503	30.41	-112.12	-81.71	-57.00	24.71	PK	Horizontal	ERP
5	563.122	28.08	-105.27	-77.19	-57.00	20.19	PK	Horizontal	ERP
6	943.464	27.31	-97.64	-70.33	-57.00	13.33	PK	Horizontal	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2024-11-19	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	BLE1M 2480MHz RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE BELOW1G\28		
Memo:	Sample NumberS24102903-001		

Test Graph

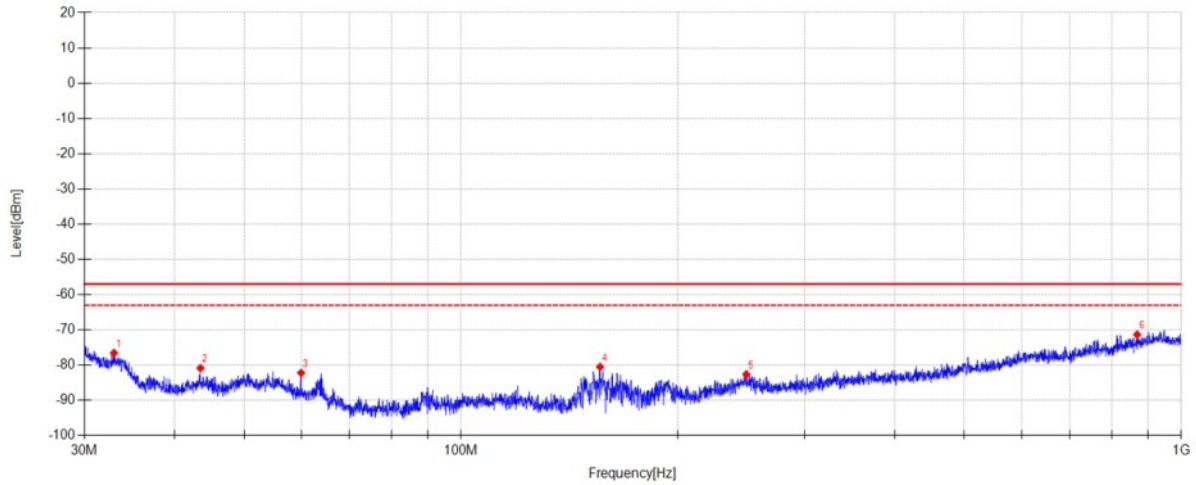


Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	59.977	37.25	-114.74	-77.49	-57.00	20.49	PK	Vertical	ERP
2	89.382	41.74	-112.24	-70.50	-57.00	13.50	PK	Vertical	ERP
3	114.967	42.15	-111.16	-69.01	-57.00	12.01	PK	Vertical	ERP
4	156.735	36.96	-113.63	-76.67	-57.00	19.67	PK	Vertical	ERP
5	450.891	27.89	-105.85	-77.96	-57.00	20.96	PK	Vertical	ERP
6	893.877	28.03	-95.49	-67.46	-57.00	10.46	PK	Vertical	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2024-11-19	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	BLE2M 2404MHz RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE BELOW1G\21		
Memo:	Sample NumberS24102903-001		

Test Graph



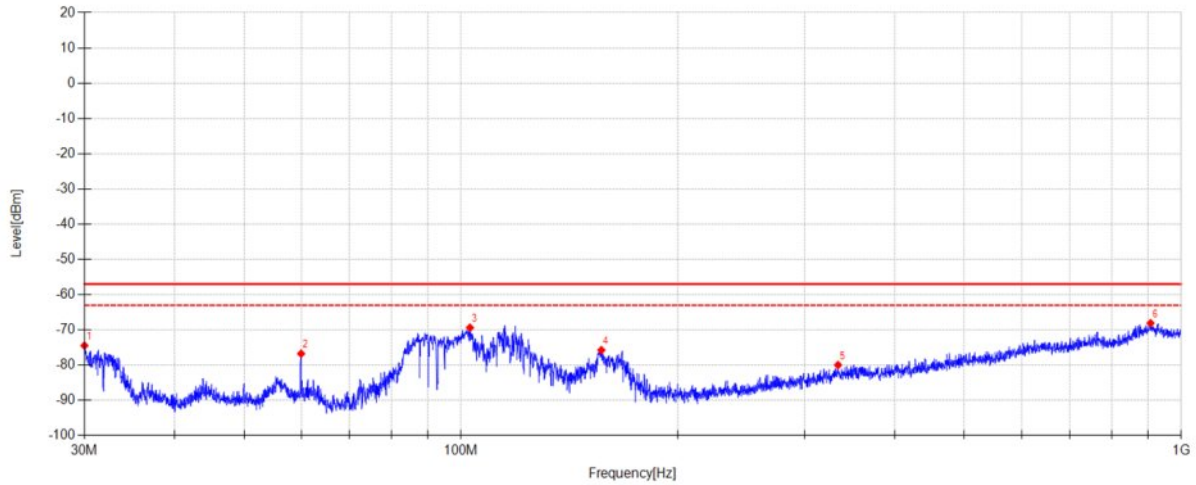
Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	32.978	36.01	-112.57	-76.56	-57.00	19.56	PK	Horizontal	ERP
2	43.472	30.01	-110.85	-80.84	-57.00	23.84	PK	Horizontal	ERP
3	59.977	30.26	-112.46	-82.20	-57.00	25.20	PK	Horizontal	ERP
4	155.968	37.37	-117.89	-80.52	-57.00	23.52	PK	Horizontal	ERP
5	248.970	29.27	-111.89	-82.62	-57.00	25.62	PK	Horizontal	ERP
6	868.545	28.09	-99.44	-71.35	-57.00	14.35	PK	Horizontal	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2024-11-19	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	BLE2M 2404MHz RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE BELOW1G\22		
Memo:	Sample NumberS24102903-001		

Test Graph

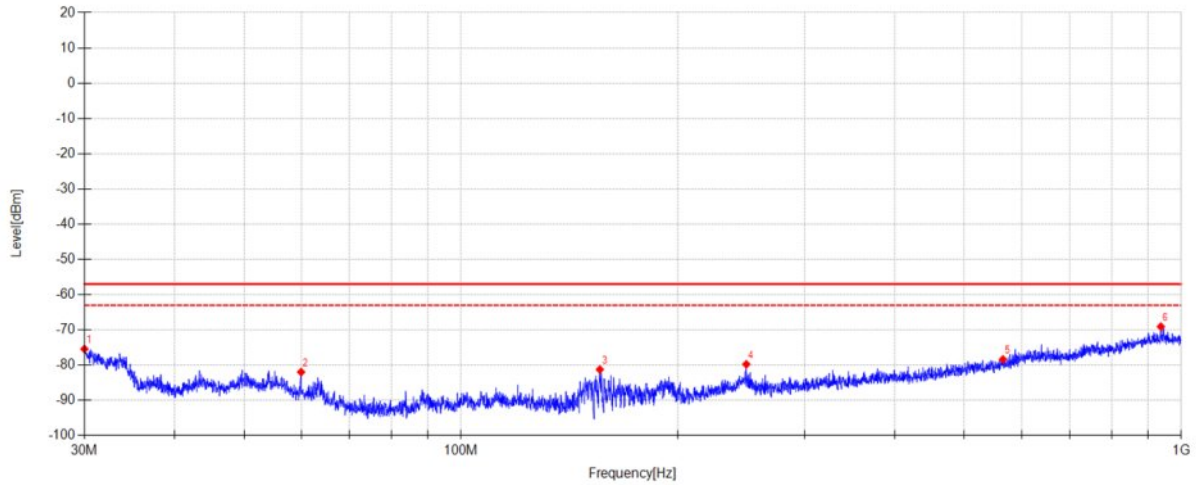


Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	30.000	42.21	-116.68	-74.47	-57.00	17.47	PK	Vertical	ERP
2	59.977	37.99	-114.74	-76.75	-57.00	19.75	PK	Vertical	ERP
3	102.910	40.90	-110.30	-69.40	-57.00	12.40	PK	Vertical	ERP
4	156.626	37.87	-113.63	-75.76	-57.00	18.76	PK	Vertical	ERP
5	333.760	27.93	-107.90	-79.97	-57.00	22.97	PK	Vertical	ERP
6	906.500	27.08	-95.19	-68.11	-57.00	11.11	PK	Vertical	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2024-11-19	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	BLE2M 2478MHz RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE BELOW1G\23		
Memo:	Sample NumberS24102903-001		

Test Graph

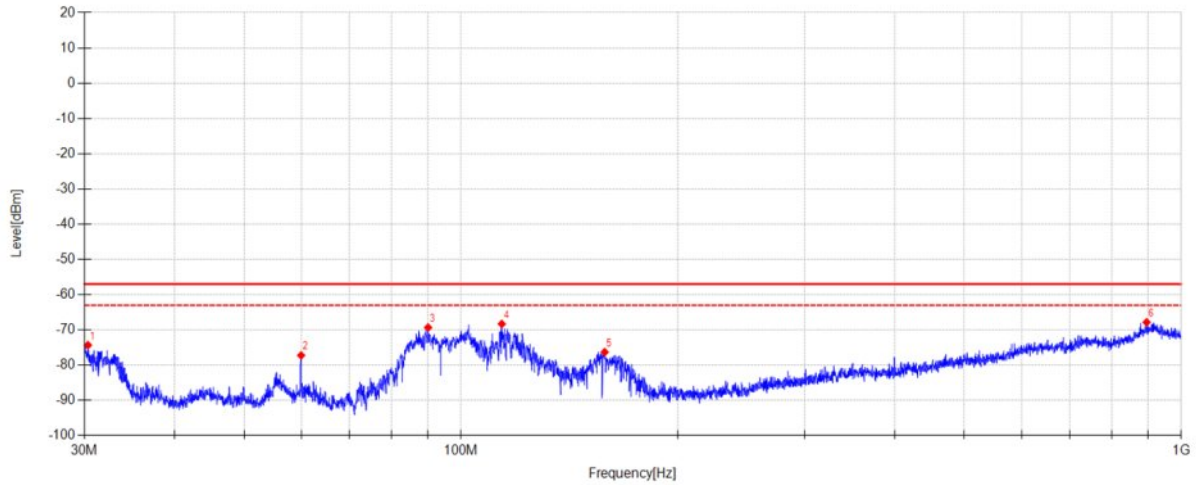


Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	30.000	37.69	-113.12	-75.43	-57.00	18.43	PK	Horizontal	ERP
2	59.977	30.49	-112.46	-81.97	-57.00	24.97	PK	Horizontal	ERP
3	155.859	36.65	-117.90	-81.25	-57.00	24.25	PK	Horizontal	ERP
4	248.970	32.12	-111.89	-79.77	-57.00	22.77	PK	Horizontal	ERP
5	565.496	26.78	-105.16	-78.38	-57.00	21.38	PK	Horizontal	ERP
6	936.872	28.74	-97.81	-69.07	-57.00	12.07	PK	Horizontal	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2024-11-19	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	BLE2M 2478MHz RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE BELOW1G\24		
Memo:	Sample NumberS24102903-001		

Test Graph

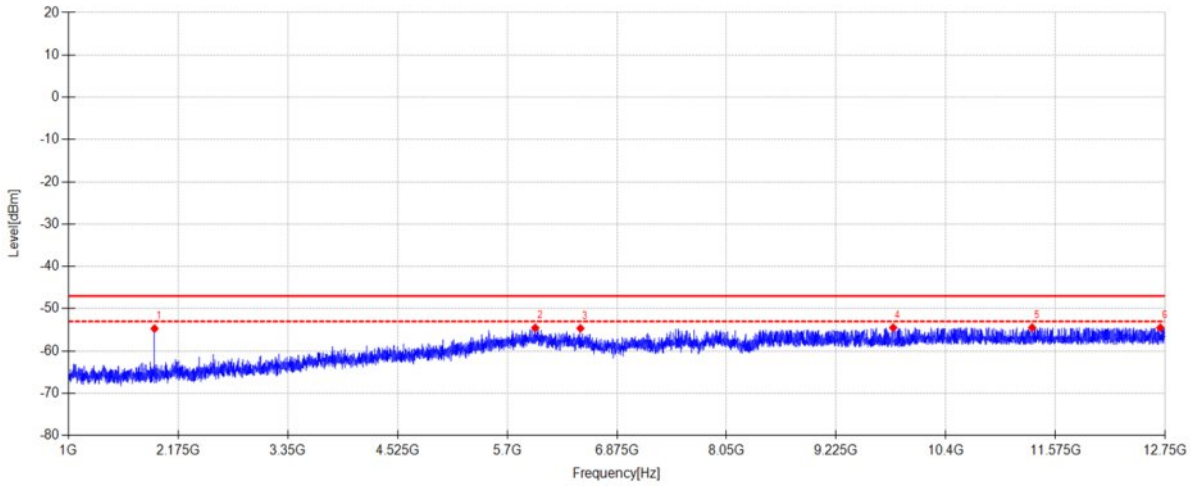


Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	30.338	42.31	-116.65	-74.34	-57.00	17.34	PK	Vertical	ERP
2	59.977	37.50	-114.74	-77.24	-57.00	20.24	PK	Vertical	ERP
3	90.011	42.64	-111.97	-69.33	-57.00	12.33	PK	Vertical	ERP
4	113.923	42.77	-111.08	-68.31	-57.00	11.31	PK	Vertical	ERP
5	158.282	37.32	-113.63	-76.31	-57.00	19.31	PK	Vertical	ERP
6	895.131	27.54	-95.40	-67.86	-57.00	10.86	PK	Vertical	ERP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

Test Date:	2024-11-14	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	BLE1M 2402MHz RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE ABOVE1G\17		
Memo:	Sample NumberS24102903-001		

Test Graph

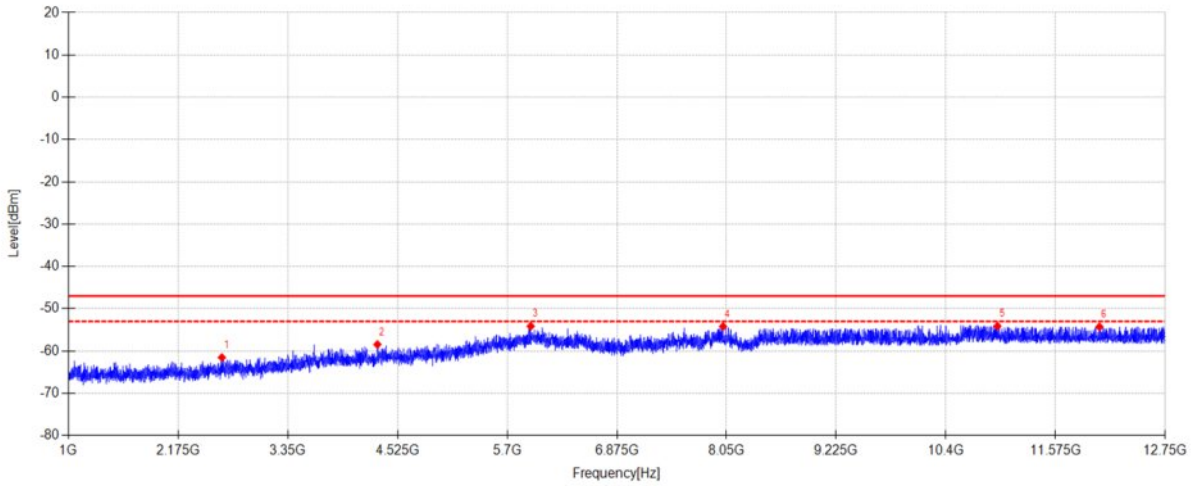


Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	1922.375	50.00	-104.70	-54.70	**-47.00**	7.70	PK	Horizontal	EIRP
2	6000.800	39.37	-93.89	-54.52	**-47.00**	7.52	PK	Horizontal	EIRP
3	6484.900	40.02	-94.67	-54.65	**-47.00**	7.65	PK	Horizontal	EIRP
4	9834.825	34.26	-88.75	-54.49	**-47.00**	7.49	PK	Horizontal	EIRP
5	11323.550	34.31	-88.77	-54.46	**-47.00**	7.46	PK	Horizontal	EIRP
6	12697.125	34.27	-88.77	-54.50	**-47.00**	7.50	PK	Horizontal	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Date:	2024-11-14	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	BLE1M 2402MHz RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE ABOVE1G\18		
Memo:	Sample NumberS24102903-001		

Test Graph

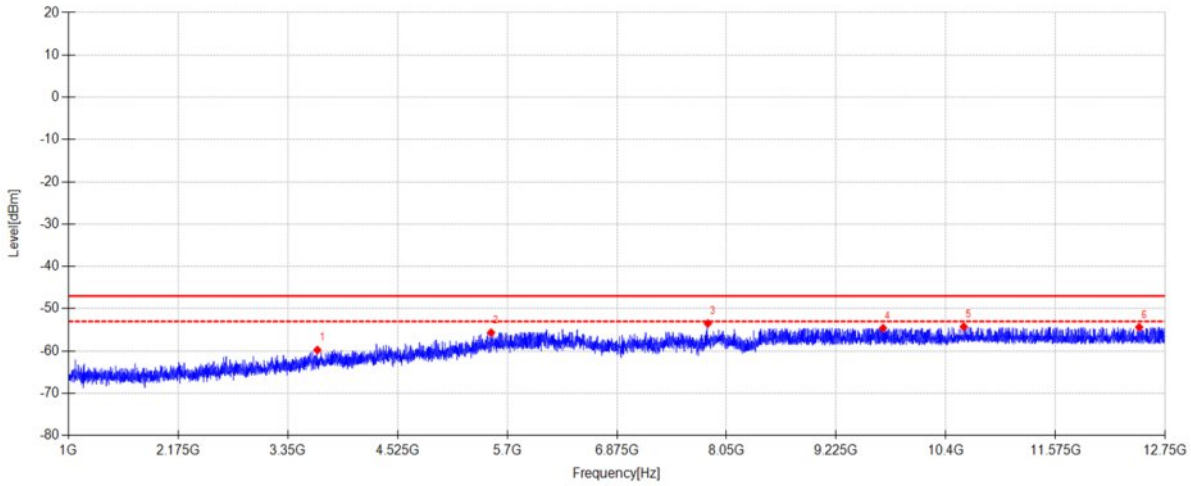


Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	2643.825	42.16	-103.70	-61.54	**-47.00**	14.54	PK	Vertical	EIRP
2	4309.975	41.95	-100.40	-58.45	**-47.00**	11.45	PK	Vertical	EIRP
3	5952.625	39.95	-94.09	-54.14	**-47.00**	7.14	PK	Vertical	EIRP
4	8012.400	38.48	-92.67	-54.19	**-47.00**	7.19	PK	Vertical	EIRP
5	10952.250	33.43	-87.55	-54.12	**-47.00**	7.12	PK	Vertical	EIRP
6	12045.000	33.86	-88.14	-54.28	**-47.00**	7.28	PK	Vertical	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Date:	2024-11-14	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	BLE1M 2480MHz RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE ABOVE1G\19		
Memo:	Sample NumberS24102903-001		

Test Graph

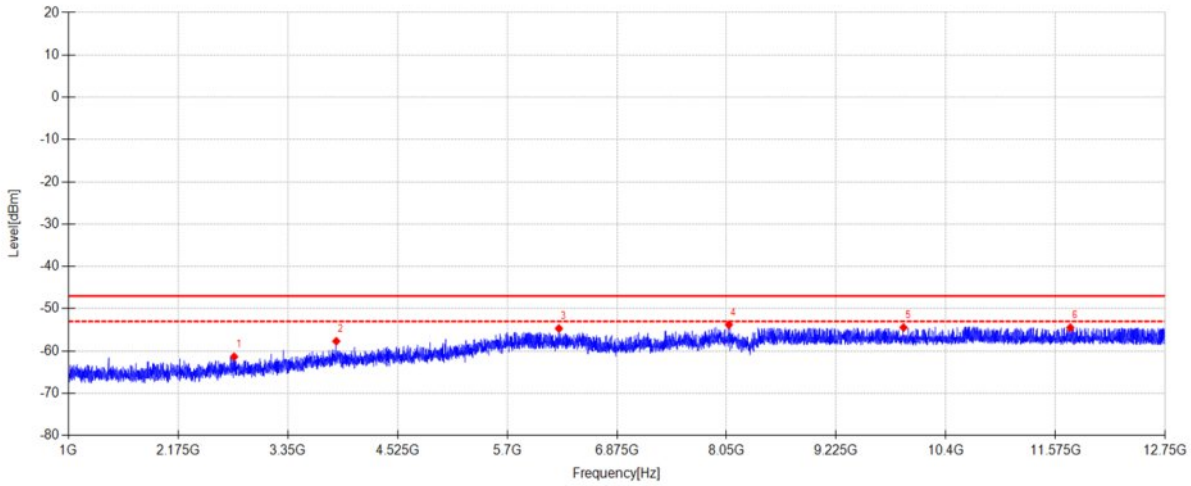


Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	3667.250	42.11	-101.86	-59.75	**-47.00**	12.75	PK	Horizontal	EIRP
2	5527.275	40.27	-95.93	-55.66	**-47.00**	8.66	PK	Horizontal	EIRP
3	7850.250	39.96	-93.46	-53.50	**-47.00**	6.50	PK	Horizontal	EIRP
4	9726.725	34.26	-88.87	-54.61	**-47.00**	7.61	PK	Horizontal	EIRP
5	10591.525	34.48	-88.73	-54.25	**-47.00**	7.25	PK	Horizontal	EIRP
6	12470.350	34.37	-88.74	-54.37	**-47.00**	7.37	PK	Horizontal	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Date:	2024-11-14	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	BLE1M 2480MHz RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE ABOVE1G\20		
Memo:	Sample NumberS24102903-001		

Test Graph

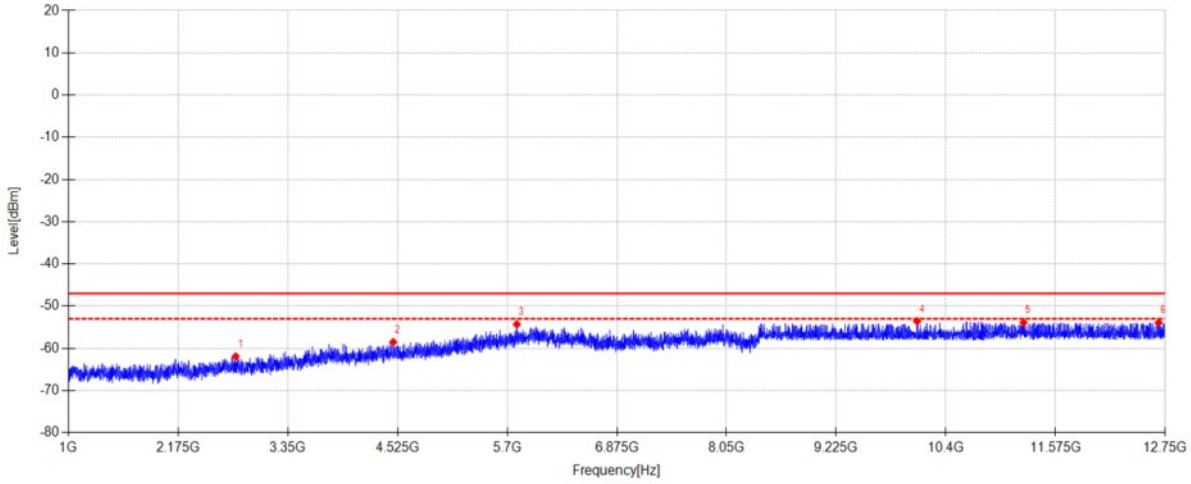


Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	2775.425	42.20	-103.56	-61.36	**-47.00**	14.36	PK	Vertical	EIRP
2	3869.350	43.74	-101.43	-57.69	**-47.00**	10.69	PK	Vertical	EIRP
3	6254.600	39.63	-94.32	-54.69	**-47.00**	7.69	PK	Vertical	EIRP
4	8074.675	38.72	-92.50	-53.78	**-47.00**	6.78	PK	Vertical	EIRP
5	9946.450	34.67	-89.12	-54.45	**-47.00**	7.45	PK	Vertical	EIRP
6	11732.450	33.47	-87.94	-54.47	**-47.00**	7.47	PK	Vertical	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Date:	2024-11-14	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	BLE2M 2404MHz RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE ABOVE1G\13		
Memo:	Sample NumberS24102903-001		

Test Graph

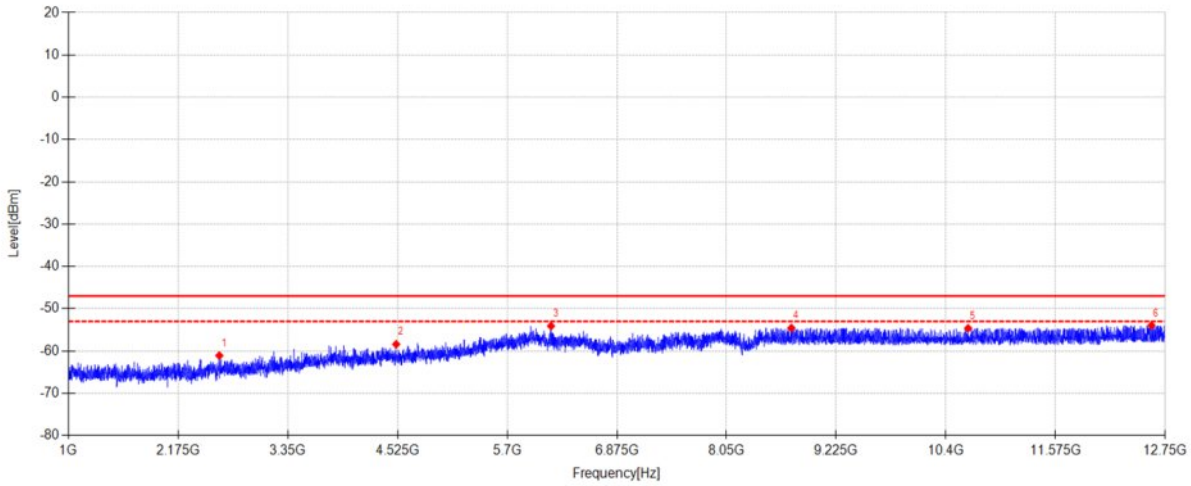


Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	2791.875	41.71	-103.64	-61.93	**-47.00**	14.93	PK	Horizontal	EIRP
2	4479.175	41.18	-99.72	-58.54	**-47.00**	11.54	PK	Horizontal	EIRP
3	5803.400	40.43	-94.74	-54.31	**-47.00**	7.31	PK	Horizontal	EIRP
4	10092.150	35.00	-88.59	-53.59	**-47.00**	6.59	PK	Horizontal	EIRP
5	11231.900	34.87	-88.79	-53.92	**-47.00**	6.92	PK	Horizontal	EIRP
6	12679.500	34.83	-88.76	-53.93	**-47.00**	6.93	PK	Horizontal	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Date:	2024-11-14	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	BLE2M 2404MHz RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE ABOVE1G\14		
Memo:	Sample NumberS24102903-001		

Test Graph

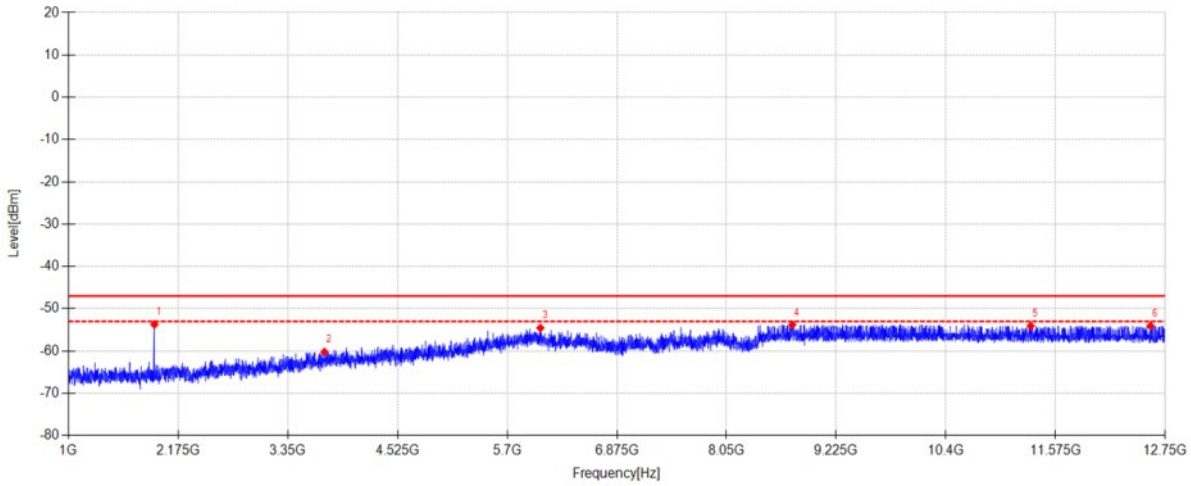


Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	2616.800	42.64	-103.73	-61.09	**-47.00**	14.09	PK	Vertical	EIRP
2	4510.900	41.50	-99.90	-58.40	**-47.00**	11.40	PK	Vertical	EIRP
3	6170.000	40.08	-94.17	-54.09	**-47.00**	7.09	PK	Vertical	EIRP
4	8744.425	36.13	-90.69	-54.56	**-47.00**	7.56	PK	Vertical	EIRP
5	10637.350	33.43	-88.06	-54.63	**-47.00**	7.63	PK	Vertical	EIRP
6	12601.950	34.46	-88.42	-53.96	**-47.00**	6.96	PK	Vertical	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Date:	2024-11-14	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	BLE2M 2478MHz RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE ABOVE1G\15		
Memo:	Sample NumberS24102903-001		

Test Graph

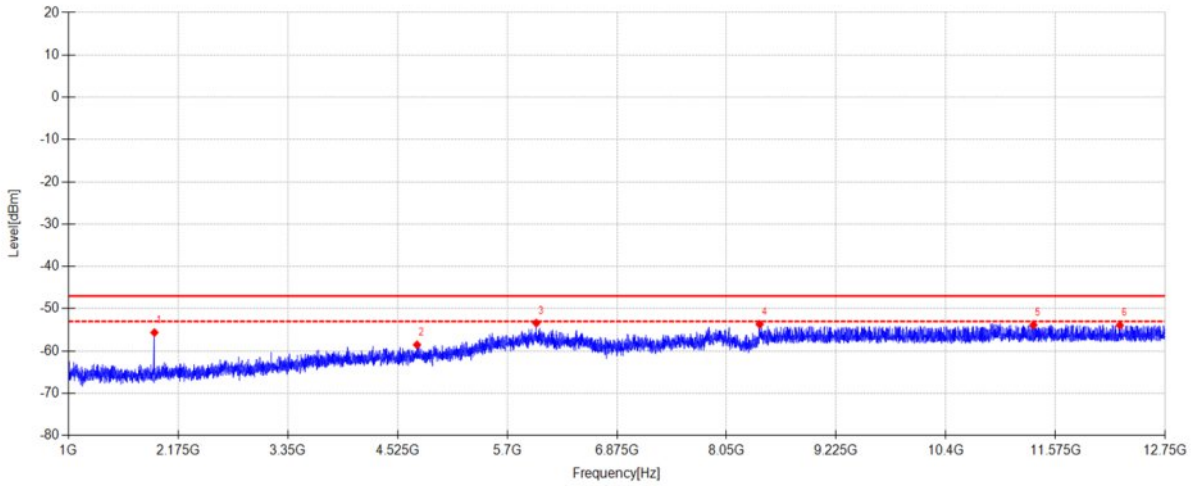


Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	1921.200	50.97	-104.70	-53.73	**-47.00**	6.73	PK	Horizontal	EIRP
2	3743.625	41.47	-101.70	-60.23	**-47.00**	13.23	PK	Horizontal	EIRP
3	6056.025	39.43	-93.99	-54.56	**-47.00**	7.56	PK	Horizontal	EIRP
4	8755.000	36.71	-90.51	-53.80	**-47.00**	6.80	PK	Horizontal	EIRP
5	11308.275	34.71	-88.78	-54.07	**-47.00**	7.07	PK	Horizontal	EIRP
6	12592.550	34.69	-88.76	-54.07	**-47.00**	7.07	PK	Horizontal	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Date:	2024-11-14	**Tested By**:	Zhong Nan
EUT:	Multimedia Speaker	**Model Number**:	EDF286012
Test Mode:	BLE2M 2478MHz RX Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.9°C;Humi:51.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2024 report data\Q24102903-1E\CE ABOVE1G\16		
Memo:	Sample NumberS24102903-001		

Test Graph



Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	1921.200	48.79	-104.43	-55.64	**-47.00**	8.64	PK	Vertical	EIRP
2	4734.150	40.83	-99.36	-58.53	**-47.00**	11.53	PK	Vertical	EIRP
3	6012.550	40.49	-93.89	-53.40	**-47.00**	6.40	PK	Vertical	EIRP
4	8404.850	37.92	-91.61	-53.69	**-47.00**	6.69	PK	Vertical	EIRP
5	11337.650	33.84	-87.69	-53.85	**-47.00**	6.85	PK	Vertical	EIRP
6	12263.550	34.34	-88.26	-53.92	**-47.00**	6.92	PK	Vertical	EIRP

Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.