Prüfbericht-Nr.: *Test report no.:*	**CN25HW9J 004**	**Auftrags-Nr.:** *Order no.:*	27216684	Seite 1 von 28 *Page 1 of 28*
Kunden-Referenz-Nr.: *Client reference no.:*	N/A	**Auftragsdatum:** *Order date:*	2026-01-15	
Auftraggeber: *Client:*	**Edifier International Limited** P.O. Box 6264 General Post Office, Hong Kong			
Prüfgegenstand: *Test item:*	Powered Bookshelf Speaker			
Bezeichnung / Typ-Nr.: *Identification / Type no.:*	EDF100102, R2750DB MKII （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:*	2025-10-10
Prüfmuster-Nr.: *Test sample no.:*	S25091616-001
Prüfzeitraum: *Testing period:*	2025-10-10 - 2025-11-28
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:* 2026-04-29		**Ausstellungsdatum:** *Issue date:* 2026-04-29	
Stellung / Position	Project Manager	**Stellung** / Position	Authorizer

Sonstiges / *Other:* This test report is based on original test report CN25HW9J 001 adding an alternative HDMI board.After engineering judgement and all test data are copy from original test report.

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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3	Test clauses with remark of * are subcontracted to qualified subcontractors and descripted under the respective test clause in the report. Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report. *Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben. Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt.*
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 Classic 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	Due Date
☒ RF Connected Test (RF Measurement System 1#)				
SIGNAL ANALYZER	R&S	FSQ26	101272	2026/03/28
Wideband Radio Communication Tester	R&S	CMW500	120259	2026/03/28
MXG Vector Signal Generator	KEYSIGHT	N5182B	MY59100192	2026/03/28
MXG Vector Signal Generator	Agilent	N5182A	MY19060405	2026/03/28
RF Control Unit	Tonscend	JS0806-2	158060010	2026/03/28
TEMP&HUMI Programmable Chamber	ZHIXIANG	ZXGDJS-150L	ZX170110-A	2026/03/28
Test Software	Tonscend	JS1120-3	Ver.3.2.22	N/A

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/
RF Cable	N/A	W24.02 HL-562	DDT-ZC04022	2026/03/28
RF cable	Yuhu Technology	JCTB810-NJ-NJ-9M	DDT-ZC02538	2026/03/28
RF cable	Zhongke Junchuang	JCT26S-NJ-NJ-1.5M	DDT-ZC02762	/
RF cable	Yuhu Technology	ZT26S-SMAJ-SMAJ-1M	DDT-ZC02037	2026/03/28
RF Cable	N/A	W13.02 AP1-X2	DDT-ZC04023	2026/03/28
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2026/03/28
Pre-amplifier	COM-POWER	PAM-118A	DDT-ZC01293	2026/08/10
High pass filter	Micro-Tronics	HPM50102	DDT-ZC00561	2026/03/28
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2026/03/28
High pass filter	Micro-Tronics	HPM50108	DDT-ZC00560	2026/03/28
High Pass filter	Xi'an Xingbo	XBLBQ-GTA67	DDT-ZC02179	2026/03/28
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2026/04/01
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	DDT-ZC02050	2026/07/25
Hochgewinn-Hornantenne	SCHWARZBECK	BBHA 9120 D	DDT-ZC02129	2026/08/11
Active Loop Antenna	Schwarzbeck	FMZB1519	DDT-ZC00524	2026/08/18
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2026/03/28

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 x 10^{-8} (Antenna couple method)
	5.5 x 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 Powered Bookshelf Speaker with Bluetooth Dual technology, and used for audio entertainment in house or similar environment.
The models EDF100102, R2750DB MKII are identical in electrical circuit design and PCB layout.The only difference is model number for marketing use only.
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

Factory: Dongguan Edifier Technology Co., Ltd.
Address: No.2 Gongyedong Road, Songshan Lake Sci.&Tech. Industry Park, Dongguan, 523808 Guangdong, P.R. China
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	Powered Bookshelf Speaker
Type Designation	EDF100102, R2750DB MKII
Trade Mark	EDIFIER
Extreme Temperature Range	0°C - +35°C
Operating Voltage	AC 100-240V, 50/60Hz
Technical Specification of Bluetooth (BDR & EDR)	
Operating Frequency Channel	2402 – 2480 MHz
Channel Number	79 channels
Channel separation	1MHz
Modulation	GFSK, π/4DQPSK
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
Data rate	1Mbps, 2Mbps
Channel Number	40 channels for data rate 1Mbps 37 channels for data rate 2Mbps Note: 2402/2426/2480MHz will be disabled by the software for BLE 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.

According to clause 3.1, all test were applied on model EDF100102.

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	:	2025-10-10 to 2025-10-27
Test voltage	:	AC230V, 50Hz
Test environment	:	Normal and extreme temperature
Operation mode	:	A.1
Ambient temperature	:	25.0 ℃
Relative humidity	:	45.0 %
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	:	2025-10-10 to 2025-10-27
Test voltage	:	AC230V, 50Hz
Test environment	:	Normal temperature
Operation mode	:	A.1
Ambient temperature	:	25.0 ℃
Relative humidity	:	45.0 %
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	:	2025-10-10 to 2025-10-27
Test voltage	:	AC230V, 50Hz
Test environment	:	Normal temperature
Operation mode	:	A.1
Ambient temperature	:	25.0 ℃
Relative humidity	:	45.0 %
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	:	2025-10-10 to 2025-10-27
Test voltage	:	AC230V, 50Hz
Test environment	:	Normal temperature
Operation mode	:	A.1
Ambient temperature	:	25.0 ℃
Relative humidity	:	45.0 %
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	:	2025-10-10 to 2025-10-27
Test voltage	:	AC230V, 50Hz
Test environment	:	Normal temperature
Operation mode	:	A.1
Ambient temperature	:	25.0 ℃
Relative humidity	:	45.0 %
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	:	2025-10-10 to 2025-10-27
Test voltage	:	AC230V, 50Hz
Test environment	:	Normal temperature
Operation mode	:	A.1
Ambient temperature	:	25.0 ℃
Relative humidity	:	45.0 %
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	:	2025-10-10 to 2025-11-28
Test voltage	:	AC230V, 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	:	2025-10-10 to 2025-11-28
Test voltage	:	AC230V, 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	:	2025-10-10 to 2025-10-27
Test voltage	:	AC230V, 50Hz
Test environment	:	Normal temperature
Operation mode	:	A.2
Ambient temperature	:	25.0 ℃
Relative humidity	:	45.0 %
Atmospheric pressure	:	101.4 kPa

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

For Bluetooth-BDR: the maximum RF output power is 4.41dBm.
For Bluetooth-EDR: the maximum RF output power is 3.45dBm.
For Bluetooth-BLE: the maximum RF output power is -1.99dBm.

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 7.0 dBm (5.012mW).

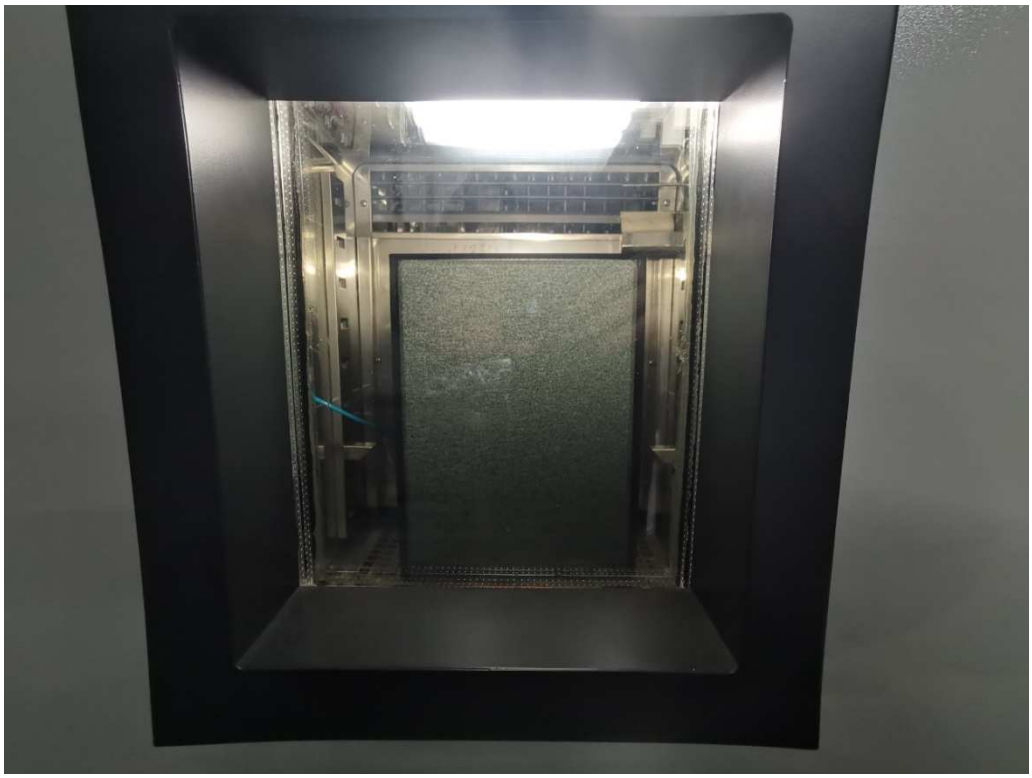
According to EN 62479:2010 clause 4.2, if the average total radiated power emitted by apparatus operating in the frequency range 10MHz-300GHz is less than or equal to 13.01dBm(20mW), then the apparatus is deemed to comply with the basic restrictions without testing.

7 Photographs of the Test Set-Up

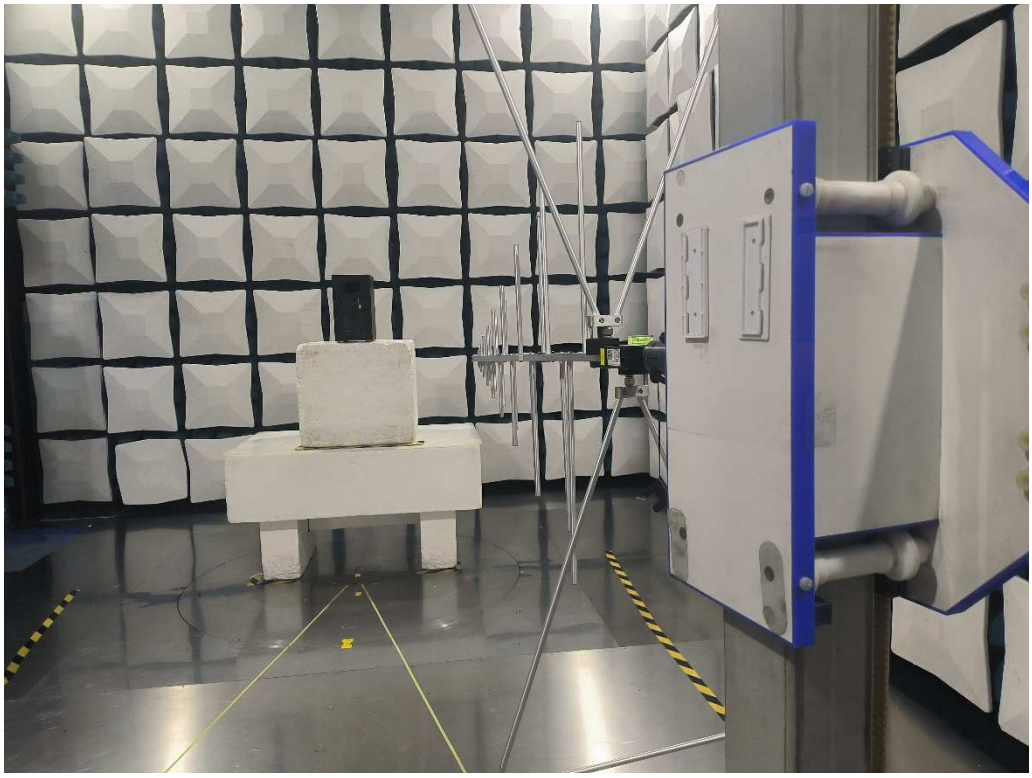
Photograph 1: Set-up for Radio Spectrum Testing, Normal temperature



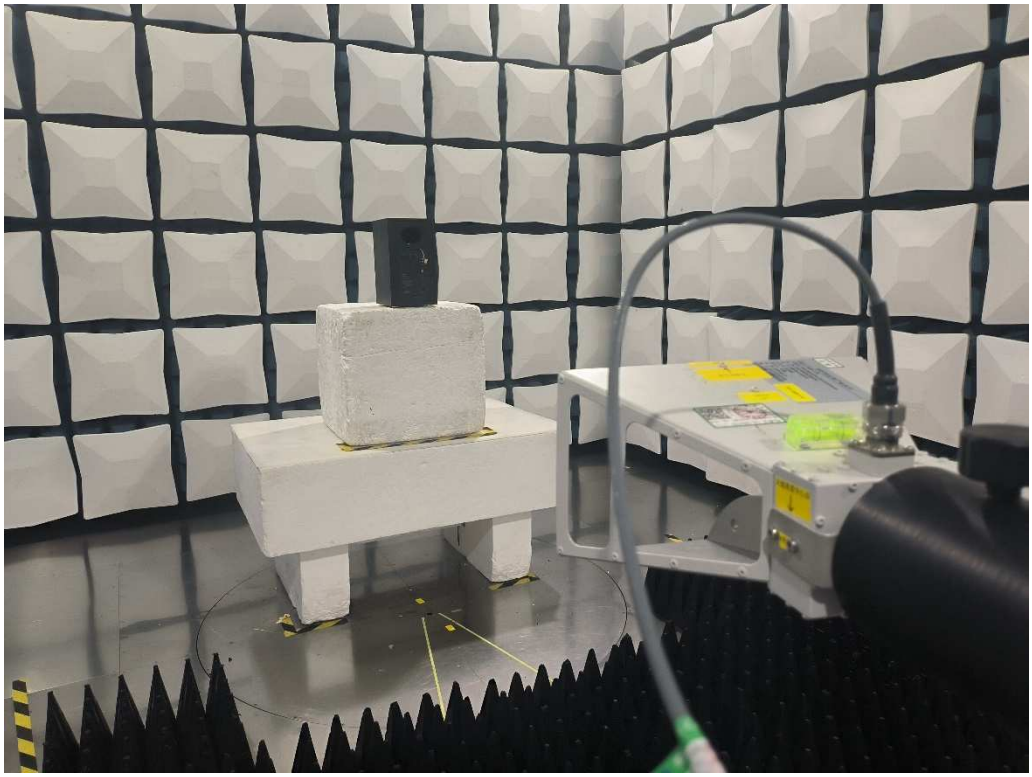
Photograph 2: Set-up for Radio Spectrum Testing, extreme temperature



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

APPENDIX A: TEST RESULTS OF CLASSICAL BLUETOOTH 1

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Appendix A.1 : RF output power

The RF output power is the mean equivalent isotopically 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	4.41	7.00	20	PASS
	DH5	Ant1	Hop	4.27	6.86	20	PASS
	2DH1	Ant1	Hop	3.35	5.94	20	PASS
	2DH5	Ant1	Hop	2.71	5.30	20	PASS
LTNV	DH1	Ant1	Hop	4.40	6.99	20	PASS
	DH5	Ant1	Hop	4.31	6.90	20	PASS
	2DH1	Ant1	Hop	3.38	5.97	20	PASS
	2DH5	Ant1	Hop	2.75	5.34	20	PASS
HTNV	DH1	Ant1	Hop	4.39	6.98	20	PASS
	DH5	Ant1	Hop	4.28	6.87	20	PASS
	2DH1	Ant1	Hop	3.45	6.04	20	PASS
	2DH5	Ant1	Hop	2.77	5.36	20	PASS

Note: EIRP = Measured Highest Pburst Values + Antenna Gain

Appendix A.2: Test Results of Accumulated Transmit Time and Frequency Occupation

Accumulated Transmit Time

Test Mode	Antenna	Channel	Result [ms]	Limit [ms]	Verdict
DH5	Ant1	Hop_2402	280.178	400	PASS
		Hop_2480	325.470	400	PASS
2DH5	Ant1	Hop_2402	279.125	400	PASS
		Hop_2480	306.510	400	PASS
		Hop_2480	318.097	400	PASS

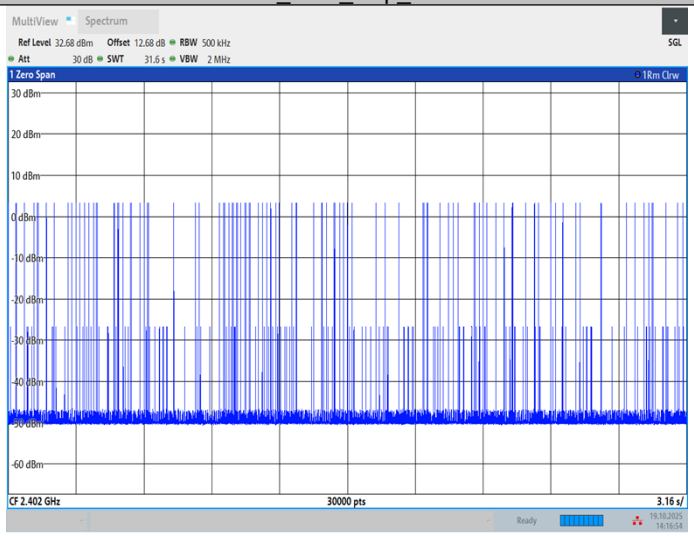
Frequency Occupation

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

Hopping Sequence

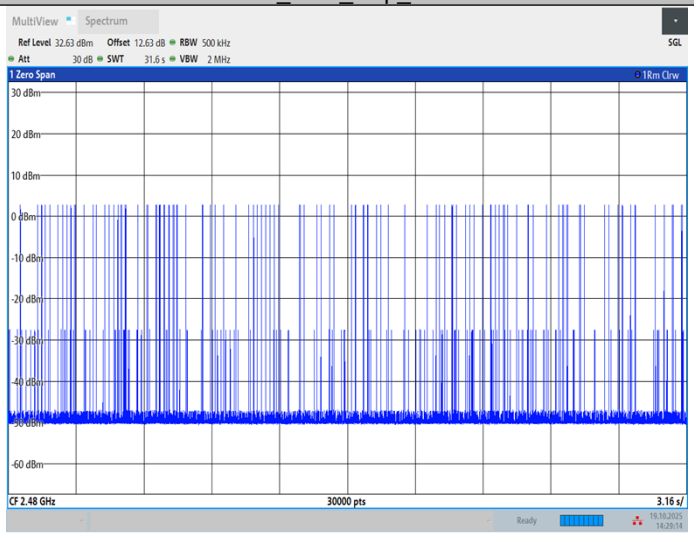
Test Mode	Antenna	Channel	Hop. [Num.]	Limit [Num.]	Band Use [%]	Limit [%]	Verdict
DH5	Ant1	Hop_2402	79	15	96.00	70	PASS
		Hop_2480	79	15	95.90	70	PASS
2DH5	Ant1	Hop_2402	79	15	96.20	70	PASS
		Hop_2480	79	15	96.20	70	PASS
		Hop_2480	79	15	96.20	70	PASS

DH5_Ant1_Hop_2402



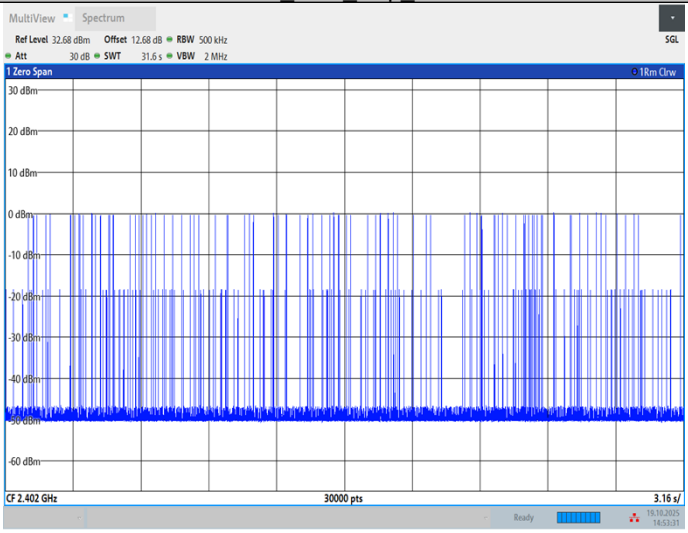
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DH5_Ant1_Hop_2480



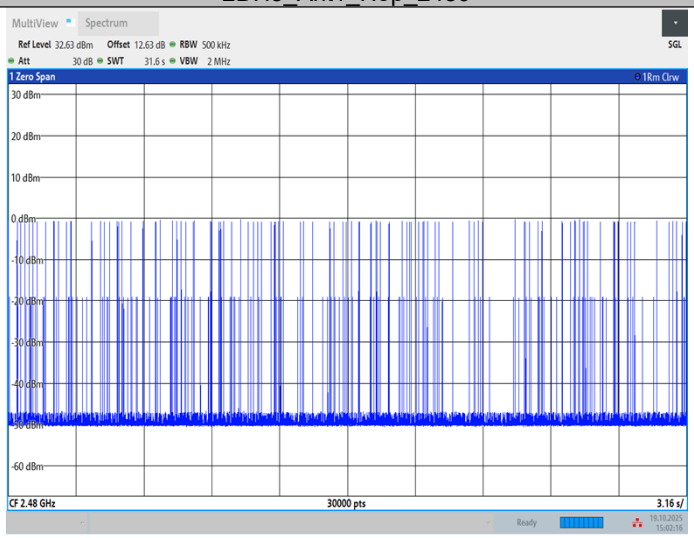
14:29:14 19.10.2025

2DH5_Ant1_Hop_2402



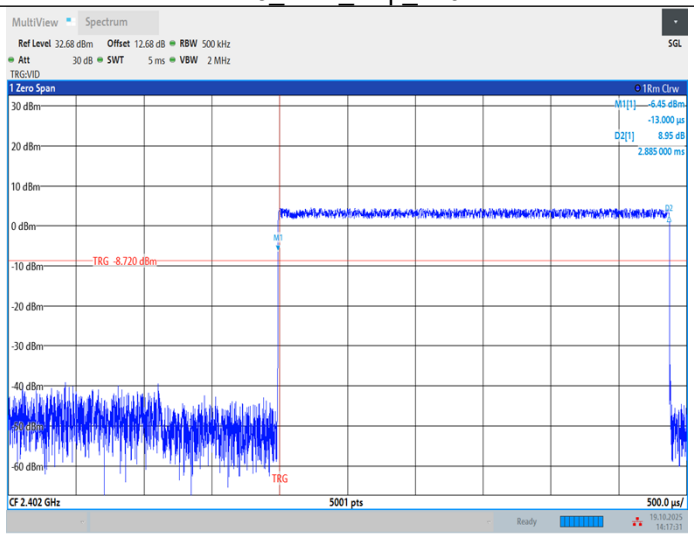
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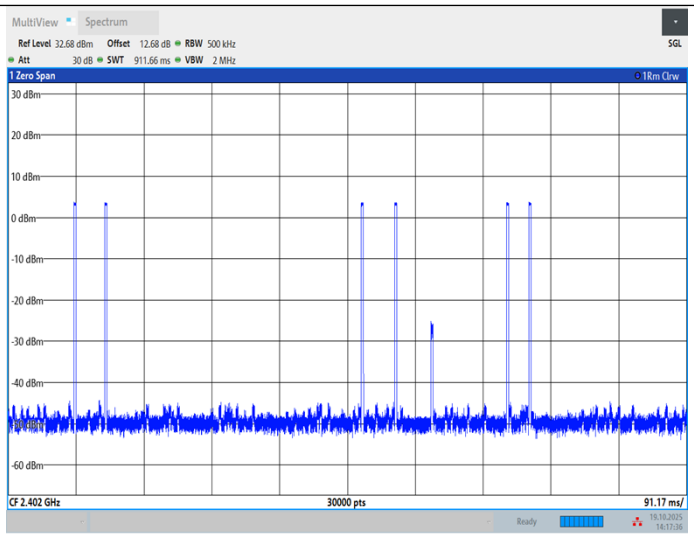


15:02:17 19.10.2025

DH5_Ant1_Hop_2402

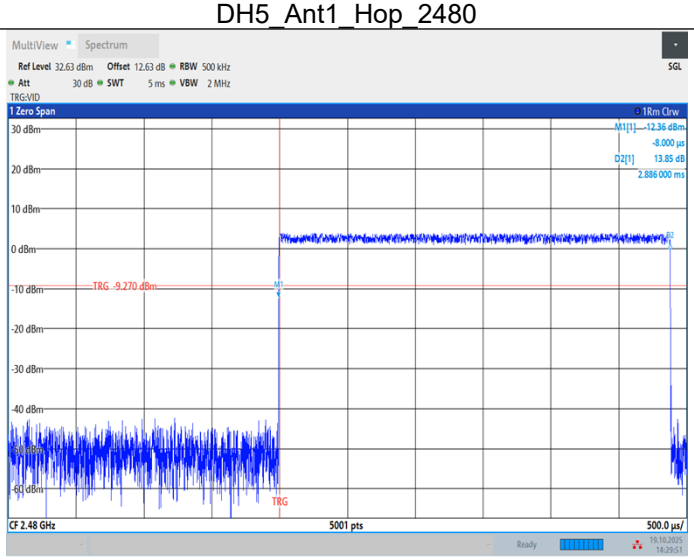


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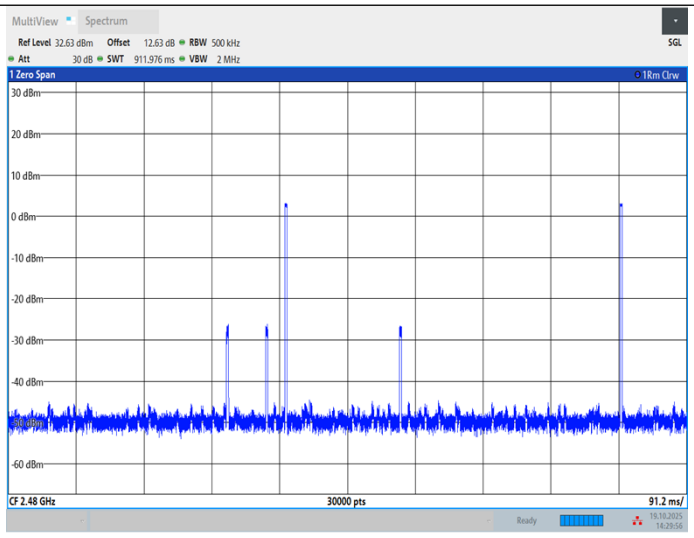


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DH5_Ant1_Hop_2480

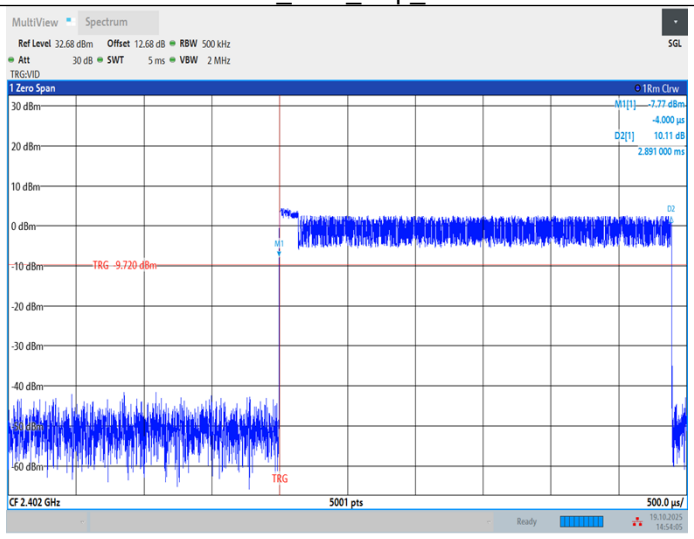


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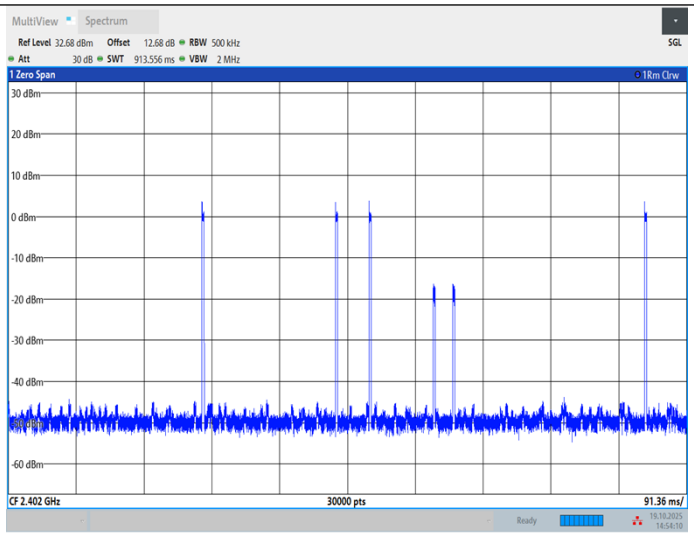


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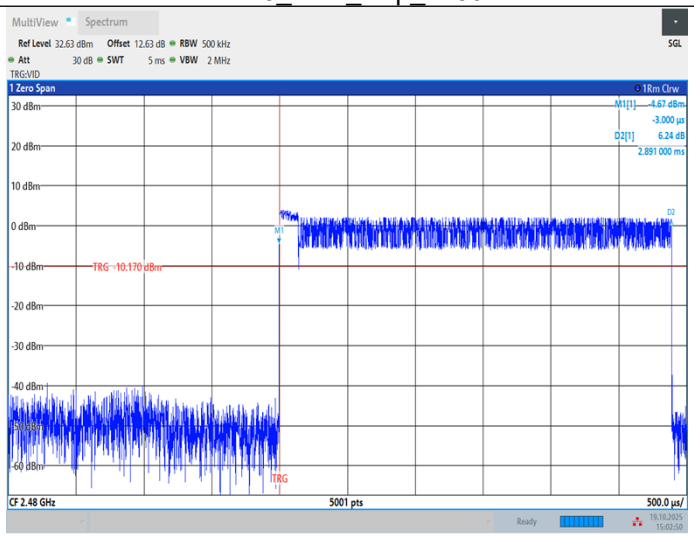
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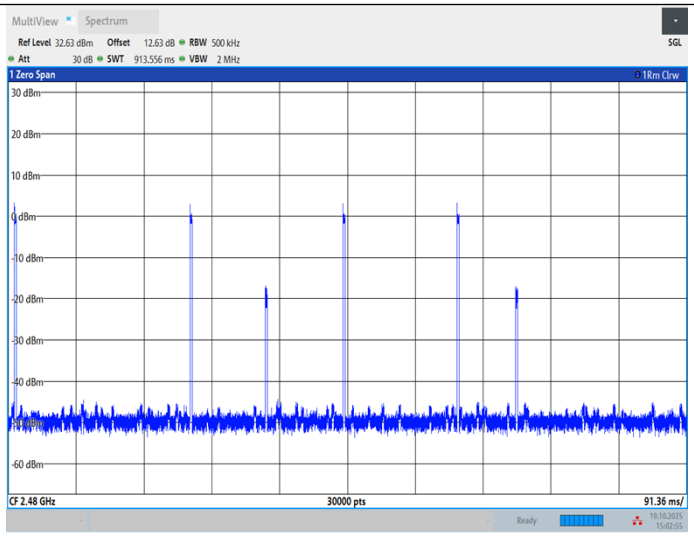


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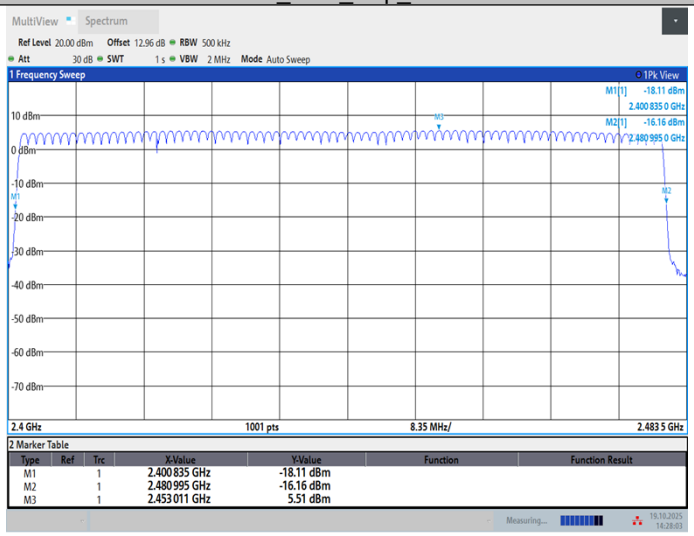


2DH5_Ant1_Hop_2480



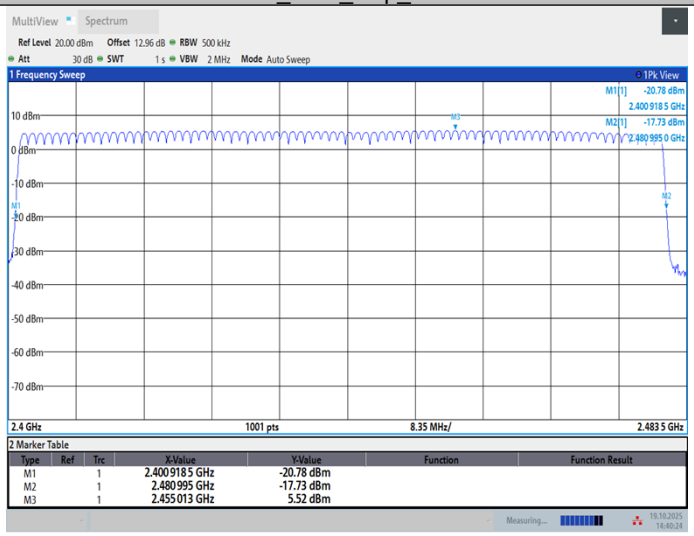


DH5_Ant1_Hop_2402



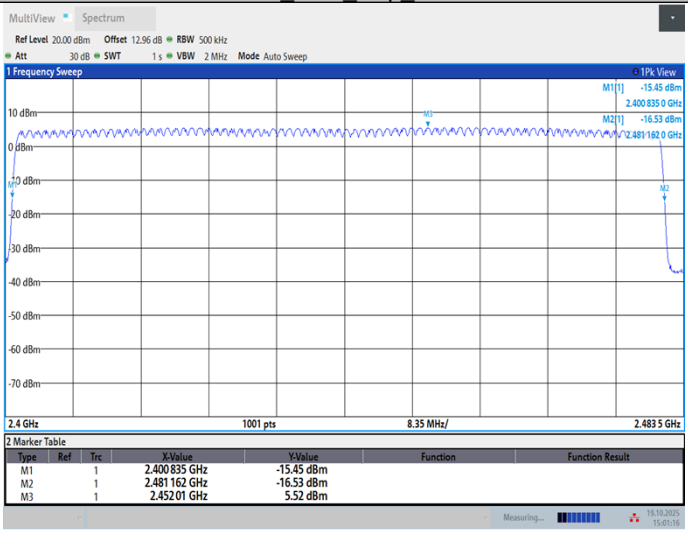
14:28:04 19.10.2025

DH5_Ant1_Hop_2480



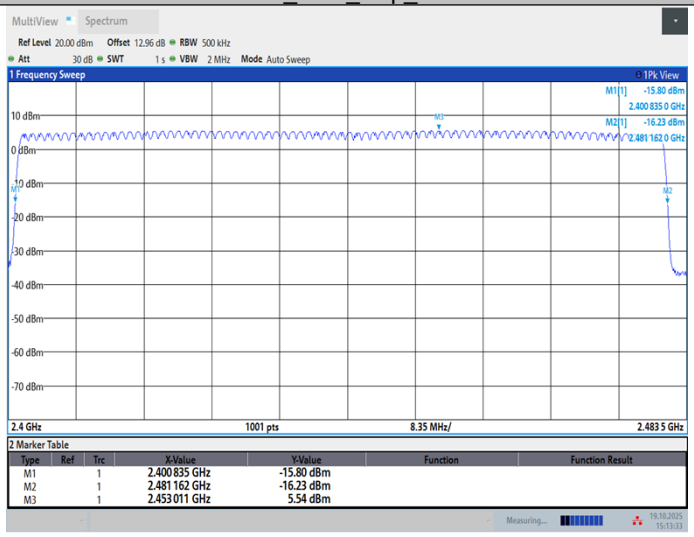
14:40:25 19.10.2025

2DH5_Ant1_Hop_2402



15:01:16 19.10.2025

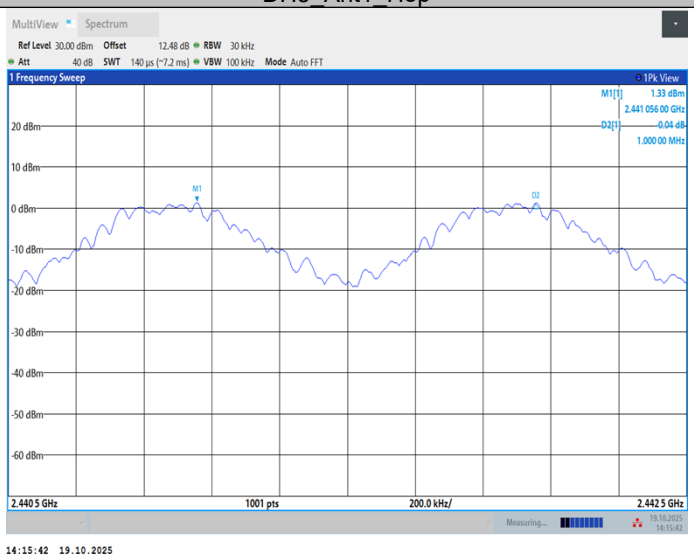
2DH5_Ant1_Hop_2480



Appendix A.3: Test Results of Hopping Frequency Separation

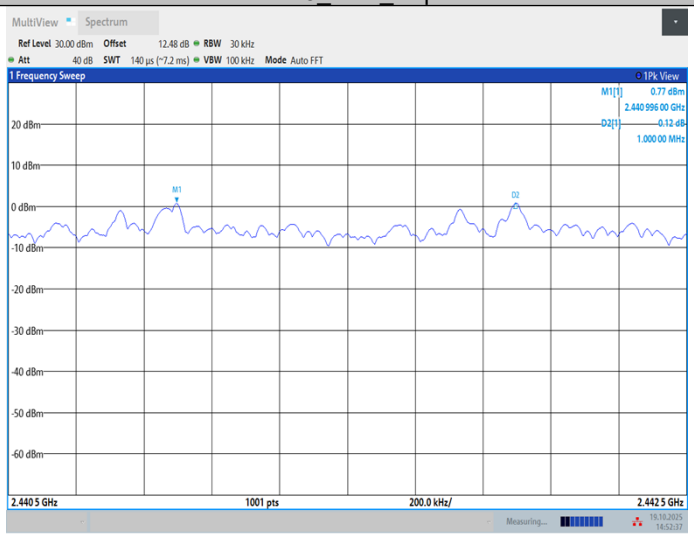
Test Mode	Antenna	Channel	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	1	0.100	PASS
2DH5	Ant1	Hop	1	0.100	PASS

DH5_Ant1_Hop



14:15:42 19.10.2025

2DH5_Ant1_Hop

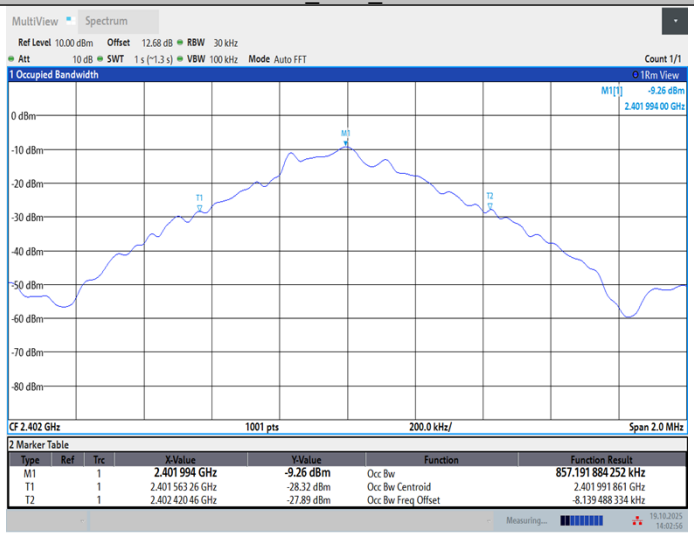


14:52:37 19.10.2025

Appendix A.4: Test Results of Occupied Channel Bandwidth

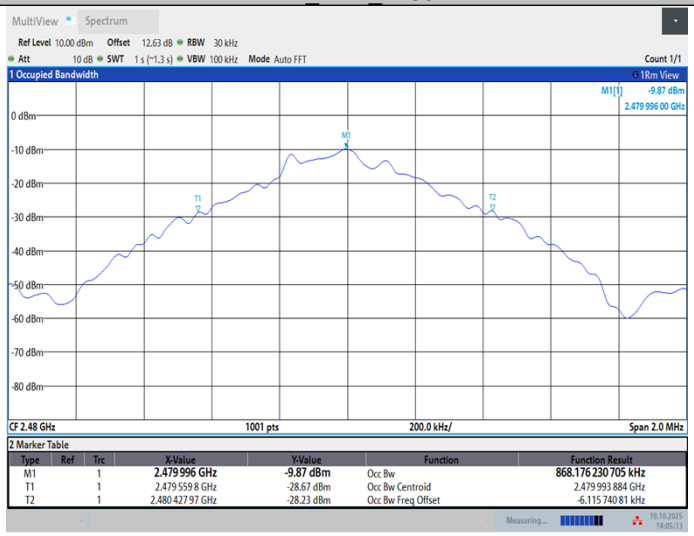
Test Mode	Antenna	Channel	OCB[MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
DH1	Ant1	2402	0.857	2401.5633	2402.4205	2400 to 2483.5	PASS
		2480	0.868	2479.5598	2480.4280	2400 to 2483.5	PASS
DH5	Ant1	2402	0.885	2401.5530	2402.4382	2400 to 2483.5	PASS
		2480	0.889	2479.5512	2480.4400	2400 to 2483.5	PASS
2DH1	Ant1	2402	1.156	2401.4097	2402.5660	2400 to 2483.5	PASS
		2480	1.16	2479.4078	2480.5674	2400 to 2483.5	PASS
2DH5	Ant1	2402	1.2	2401.3995	2402.5991	2400 to 2483.5	PASS
		2480	1.2	2479.3983	2480.5984	2400 to 2483.5	PASS
3DH1	Ant1	2402	1.159	2401.4272	2402.5864	2400 to 2483.5	PASS
		2480	1.159	2479.4266	2480.5855	2400 to 2483.5	PASS
3DH5	Ant1	2402	1.209	2401.3924	2402.6014	2400 to 2483.5	PASS
		2480	1.212	2479.3894	2480.6016	2400 to 2483.5	PASS

DH1_Ant1_2402



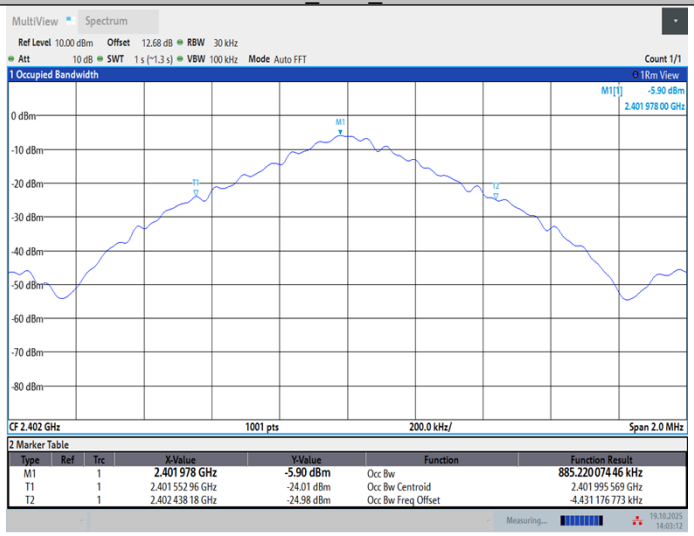
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DH1_Ant1_2480



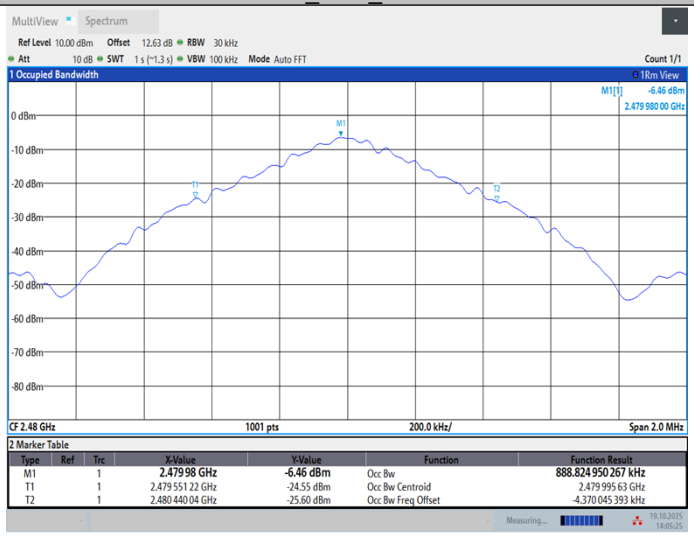
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DH5_Ant1_2402



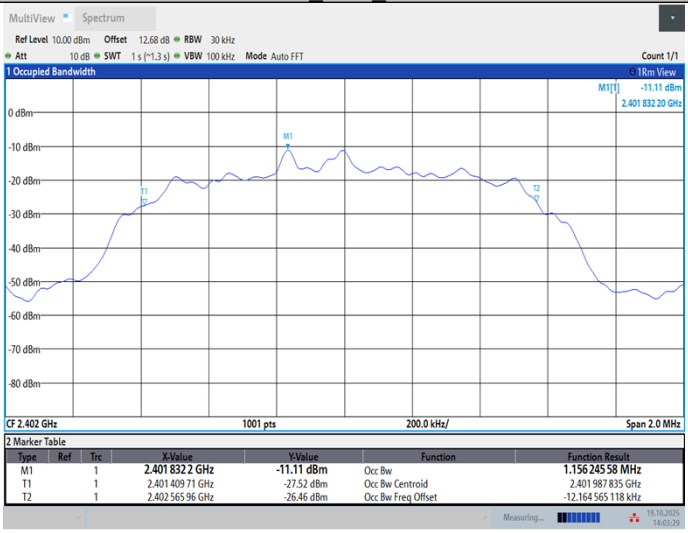
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DH5_Ant1_2480



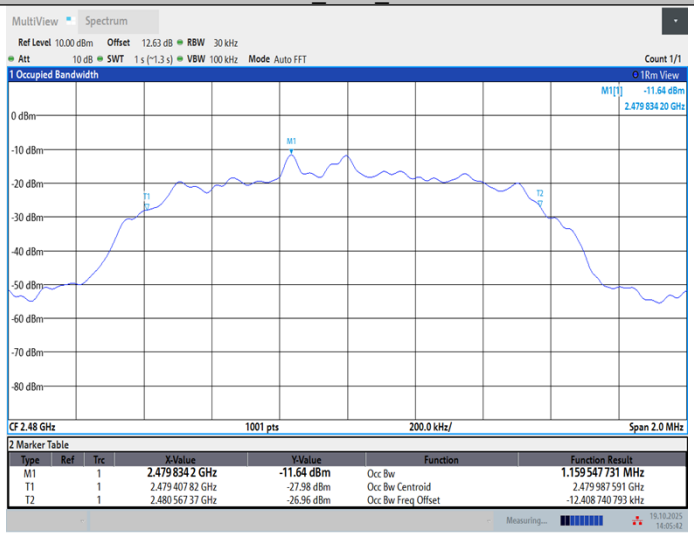
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2DH1_Ant1_2402



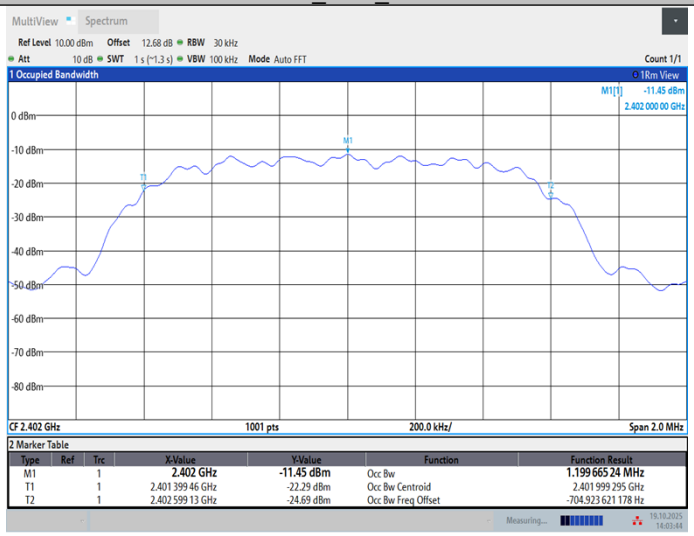
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2DH1_Ant1_2480



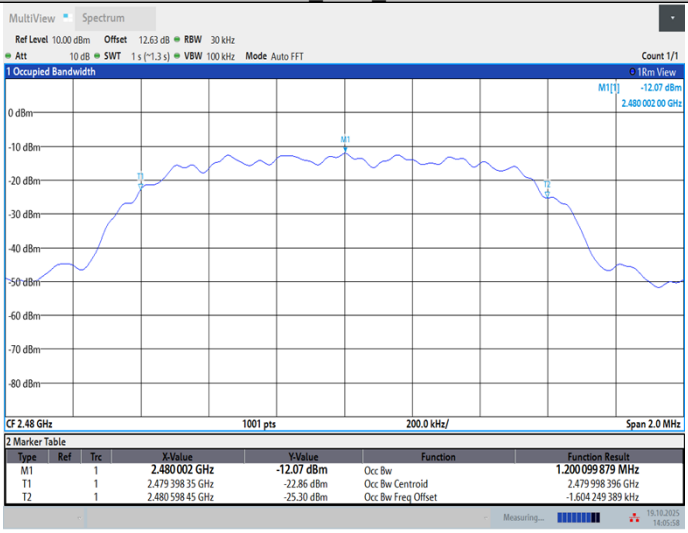
14:05:43 19.10.2025

2DH5_Ant1_2402



14:03:45 19.10.2025

2DH5_Ant1_2480

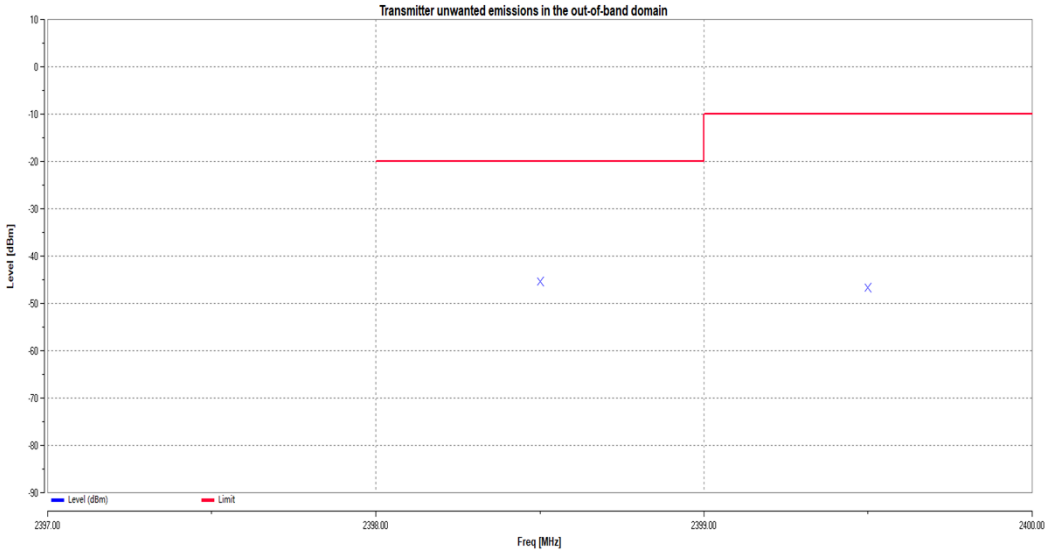


14:05:59 19.10.2025

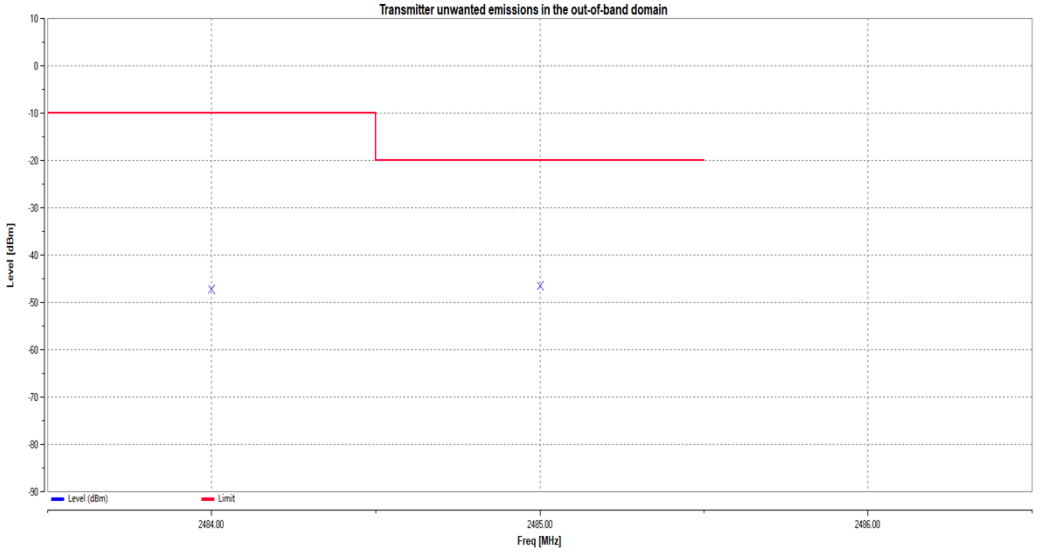
Appendix A.5: Test Results of Transmitter Unwanted Emissions in the Out-of-band Domain

Test Mode	Antenna	Channel	Freq. [MHz]	Level[dBm]	Limit[dBm]	Verdict
DH5	Ant1	Hop	2398.5	-45.33	-20.00	PASS
			2399.5	-46.67	-10.00	PASS
			2484	-47.21	-10.00	PASS
			2485	-46.57	-20.00	PASS
2DH5	Ant1	Hop	2398.1	-41.15	-20.00	PASS
			2398.3	-40.38	-20.00	PASS
			2399.3	-39.16	-10.00	PASS
			2399.5	-40.20	-10.00	PASS
			2484	-41.79	-10.00	PASS
			2484.2	-41.35	-10.00	PASS
			2485.2	-41.70	-20.00	PASS
			2485.4	-41.71	-20.00	PASS

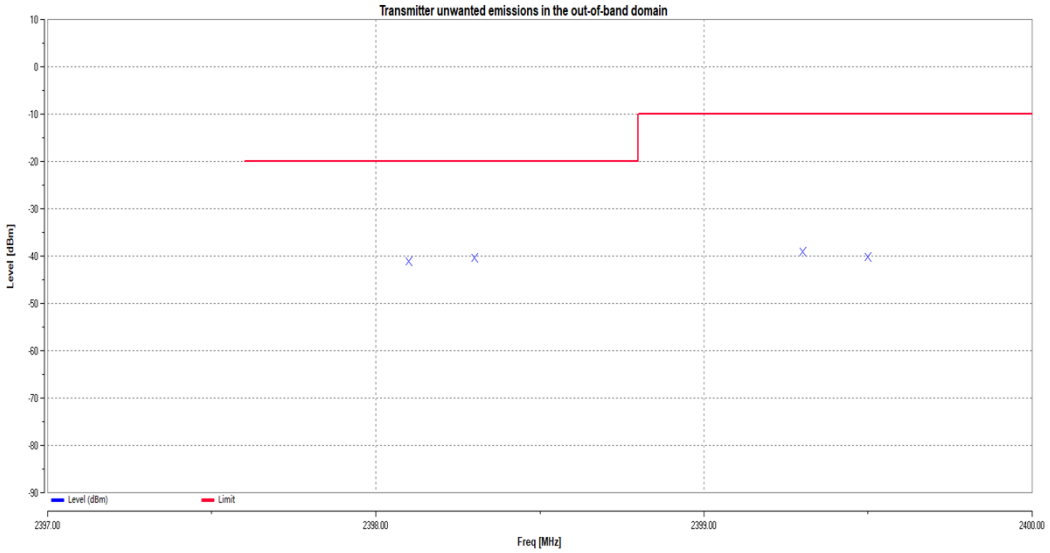
DH5_Ant1_Hop_2400MHz-2BW to 2400MHz



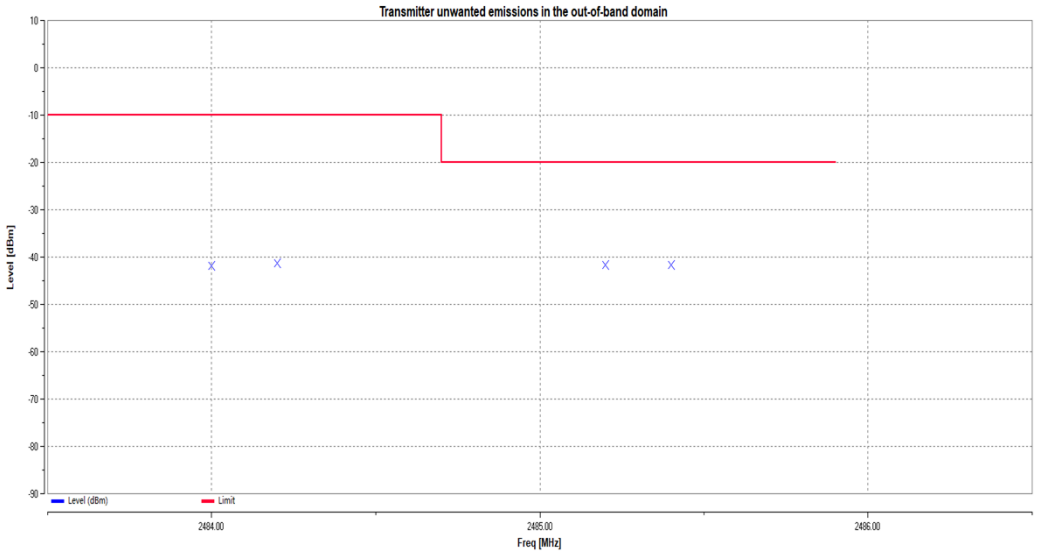
DH5_Ant1_Hop_2483.5MHz to 2483.5MHz+2BW



2DH5_Ant1_Hop_2400MHz-2BW to 2400MHz



2DH5_Ant1_Hop_2483.5MHz to 2483.5MHz+2BW

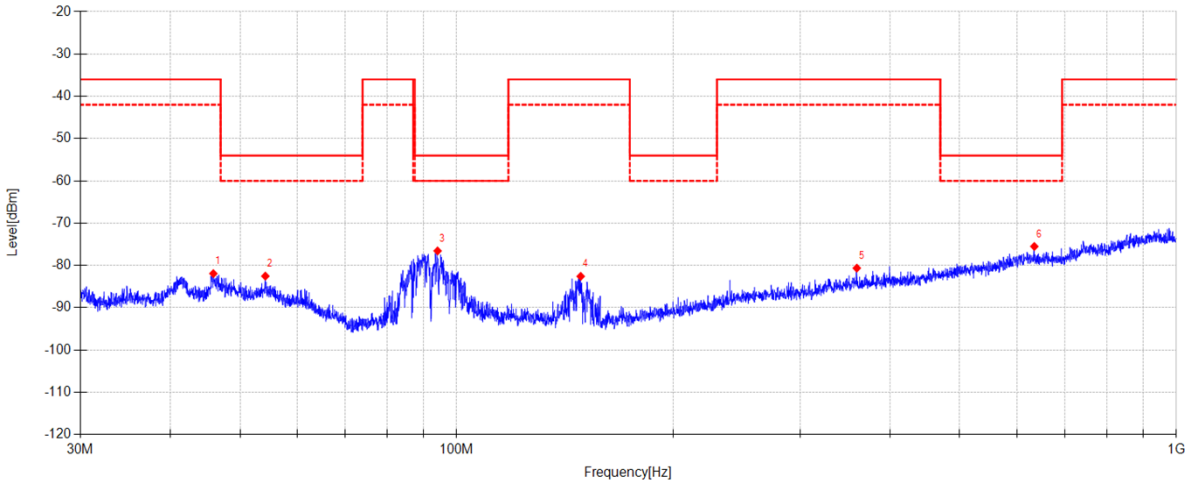


Appendix A.6: Test Results of Transmitter Unwanted Emissions in the Spurious Domain

Note: 1. The EUT without antenna connector.
2. This testing was carried out on different modulations, but only the worst case was presented in this report.

FHSS, Below 1GHz

Test Date:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	TX DH5 2402MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Below 1G BT\9		
Memo:	Sample Numble:S25091616-015		

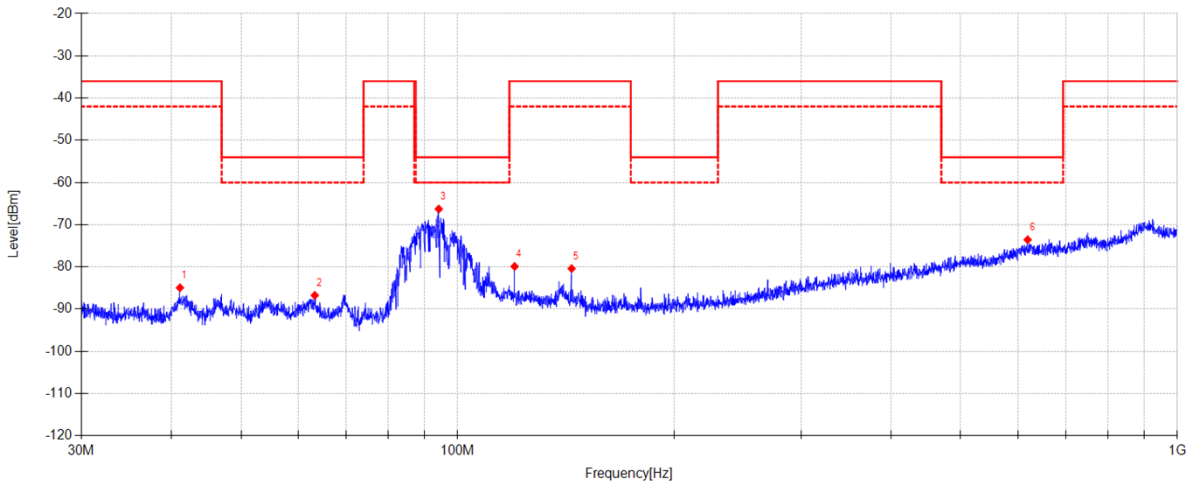


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	45.916	29.70	-111.63	-81.93	-36.00	45.93	PK	Horizontal	ERP
2	54.217	29.63	-112.16	-82.53	-54.00	28.53	PK	Horizontal	ERP
3	94.076	40.63	-117.19	-76.56	-54.00	22.56	PK	Horizontal	ERP
4	148.706	36.69	-119.27	-82.58	-36.00	46.58	PK	Horizontal	ERP
5	359.764	29.44	-110.07	-80.63	-36.00	44.63	PK	Horizontal	ERP
6	634.855	29.18	-104.69	-75.51	-54.00	21.51	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:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	TX DH5 2402MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Below 1G BT\10		
Memo:	Sample Numble:S25091616-015		

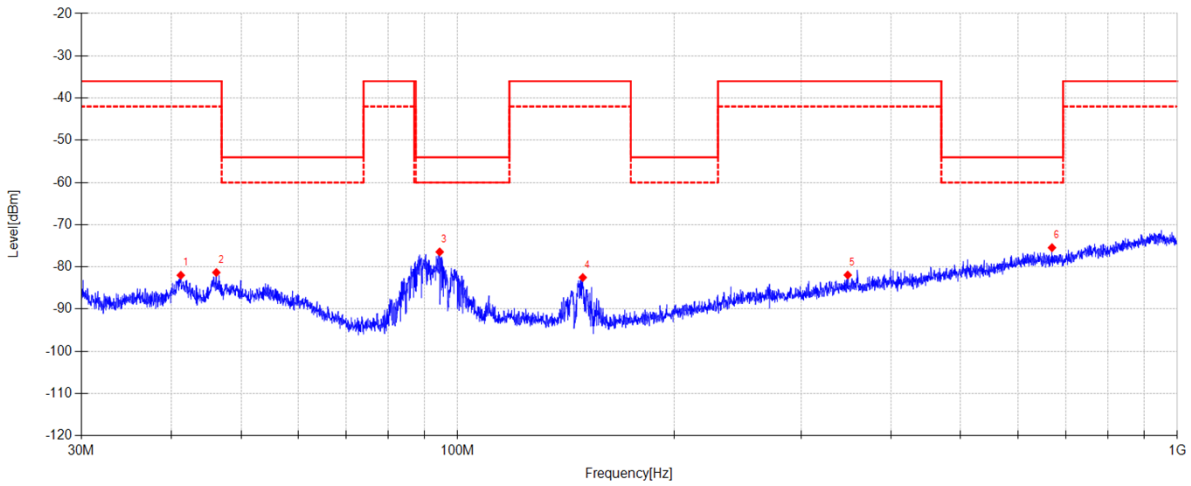


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	41.129	31.78	-116.71	-84.93	-36.00	48.93	PK	Vertical	ERP
2	63.304	30.08	-116.81	-86.73	-54.00	32.73	PK	Vertical	ERP
3	94.142	46.01	-112.30	-66.29	-54.00	12.29	PK	Vertical	ERP
4	119.991	32.73	-112.62	-79.89	-36.00	43.89	PK	Vertical	ERP
5	143.986	33.92	-114.31	-80.39	-36.00	44.39	PK	Vertical	ERP
6	619.464	28.94	-102.50	-73.56	-54.00	19.56	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:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	TX DH5 2480MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Below 1G BT\11		
Memo:	Sample Numble:S25091616-015		

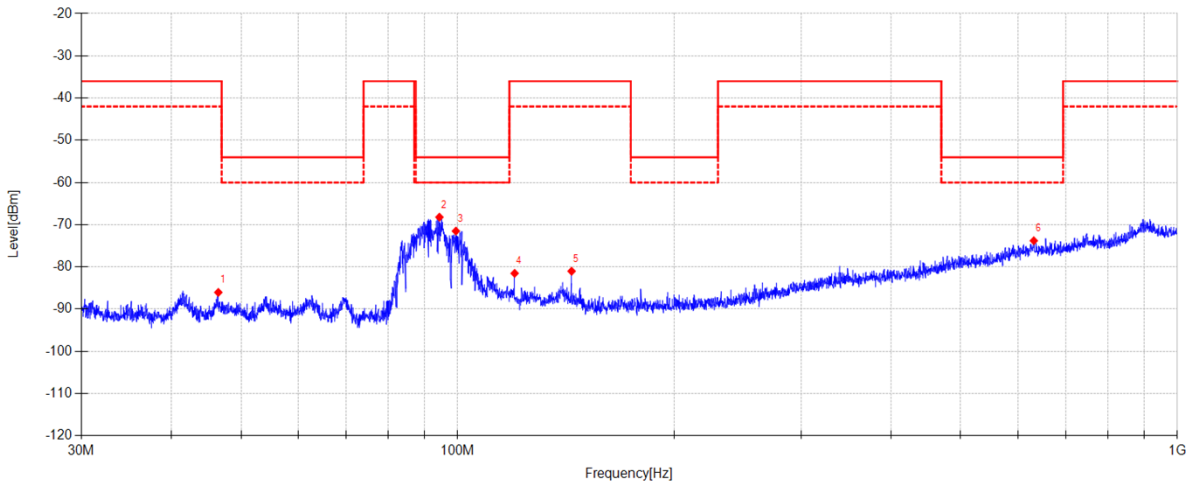


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	41.245	30.26	-112.23	-81.97	-36.00	45.97	PK	Horizontal	ERP
2	46.206	30.28	-111.60	-81.32	-36.00	45.32	PK	Horizontal	ERP
3	94.407	40.69	-117.13	-76.44	-54.00	22.44	PK	Horizontal	ERP
4	149.228	36.80	-119.30	-82.50	-36.00	46.50	PK	Horizontal	ERP
5	348.345	28.36	-110.28	-81.92	-36.00	45.92	PK	Horizontal	ERP
6	669.603	29.32	-104.76	-75.44	-54.00	21.44	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:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	TX DH5 2480MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Below 1G BT\12		
Memo:	Sample Numble:S25091616-015		



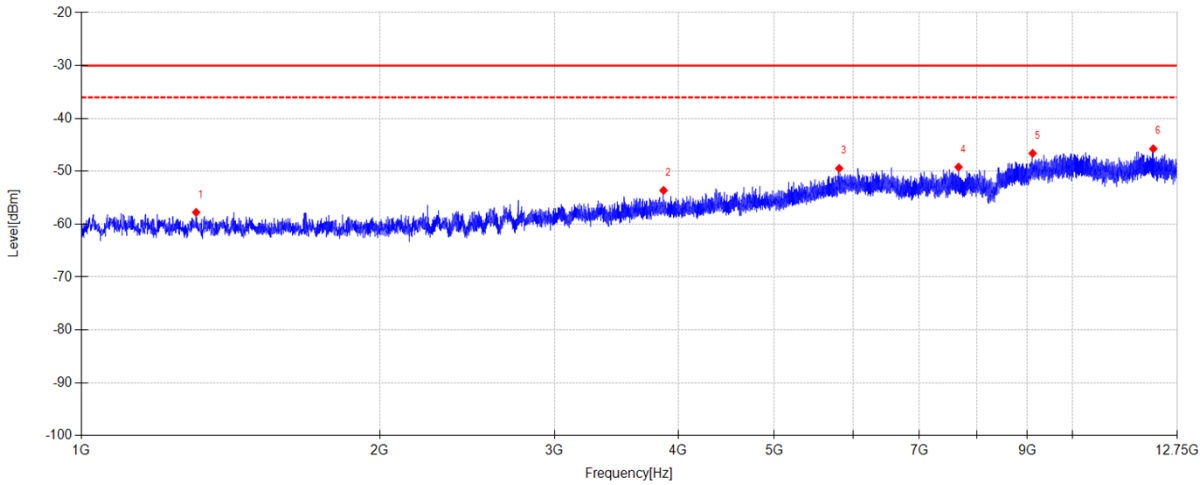
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	46.499	30.20	-116.23	-86.03	-36.00	50.03	PK	Vertical	ERP
2	94.341	44.06	-112.27	-68.21	-54.00	14.21	PK	Vertical	ERP
3	99.435	39.82	-111.32	-71.50	-54.00	17.50	PK	Vertical	ERP
4	119.991	31.10	-112.62	-81.52	-36.00	45.52	PK	Vertical	ERP
5	143.986	33.30	-114.31	-81.01	-36.00	45.01	PK	Vertical	ERP
6	631.746	28.56	-102.35	-73.79	-54.00	19.79	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.

FHSS, Above 1GHz

Test Date:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	TX DH5 2480MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Above 1G BT\9		
Memo:	Sample Numble:S25091616-015 Power Setting:10		

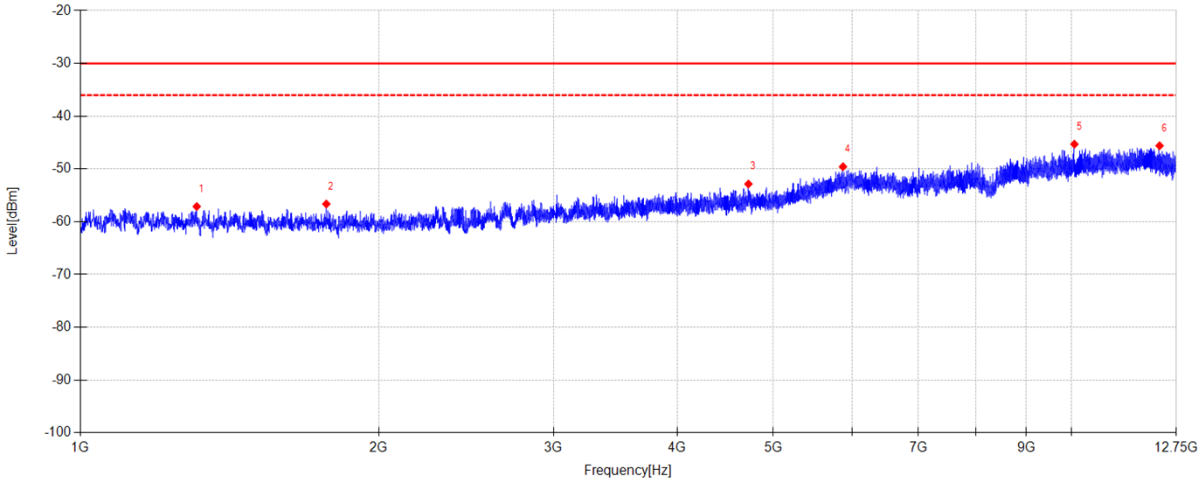


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1305.500	46.75	-104.52	-57.77	**-30.00**	27.77	PK	Horizontal	EIRP
2	3866.021	47.70	-101.31	-53.61	**-30.00**	23.61	PK	Horizontal	EIRP
3	5814.073	45.45	-94.90	-49.45	**-30.00**	19.45	PK	Horizontal	EIRP
4	7671.552	44.64	-93.84	-49.20	**-30.00**	19.20	PK	Horizontal	EIRP
5	9111.906	42.98	-89.59	-46.61	**-30.00**	16.61	PK	Horizontal	EIRP
6	12057.729	42.69	-88.43	-45.74	**-30.00**	15.74	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:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	TX DH5 2480MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Above 1G BT\10		
Memo:	Sample Numble:S25091616-015 Power Setting:10		

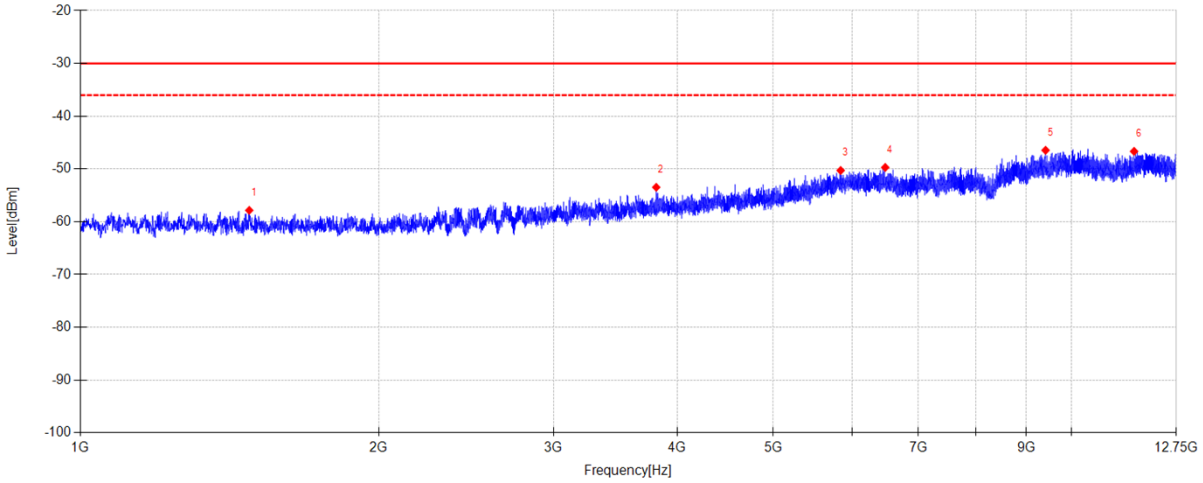


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1310.396	47.06	-104.18	-57.12	**-30.00**	27.12	PK	Vertical	EIRP
2	1770.604	47.72	-104.36	-56.64	**-30.00**	26.64	PK	Vertical	EIRP
3	4719.365	46.63	-99.48	-52.85	**-30.00**	22.85	PK	Vertical	EIRP
4	5878.698	45.08	-94.65	-49.57	**-30.00**	19.57	PK	Vertical	EIRP
5	10062.188	44.15	-89.46	-45.31	**-30.00**	15.31	PK	Vertical	EIRP
6	12262.375	42.37	-87.98	-45.61	**-30.00**	15.61	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:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	TX DH5 2402MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Above 1G BT\11		
Memo:	Sample Numble:S25091616-015 Power Setting:10		

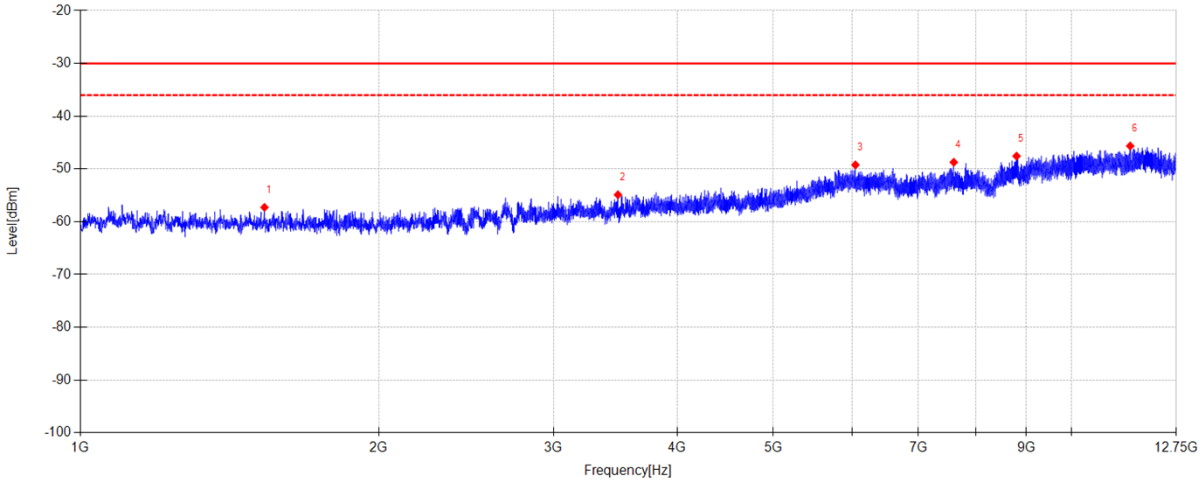


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1480.281	46.72	-104.56	-57.84	**-30.00**	27.84	PK	Horizontal	EIRP
2	3809.719	47.92	-101.39	-53.47	**-30.00**	23.47	PK	Horizontal	EIRP
3	5846.385	44.47	-94.76	-50.29	**-30.00**	20.29	PK	Horizontal	EIRP
4	6484.313	44.69	-94.40	-49.71	**-30.00**	19.71	PK	Horizontal	EIRP
5	9410.063	42.95	-89.41	-46.46	**-30.00**	16.46	PK	Horizontal	EIRP
6	11557.865	42.21	-88.87	-46.66	**-30.00**	16.66	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:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	TX DH5 2402MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Above 1G BT\12		
Memo:	Sample Numble:S25091616-015 Power Setting:10		



Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1533.646	46.98	-104.26	-57.28	**-30.00**	27.28	PK	Vertical	EIRP
2	3485.615	47.01	-101.90	-54.89	**-30.00**	24.89	PK	Vertical	EIRP
3	6050.052	44.89	-94.12	-49.23	**-30.00**	19.23	PK	Vertical	EIRP
4	7603.500	45.02	-93.75	-48.73	**-30.00**	18.73	PK	Vertical	EIRP
5	8797.104	43.04	-90.61	-47.57	**-30.00**	17.57	PK	Vertical	EIRP
6	11453.094	42.33	-87.98	-45.65	**-30.00**	15.65	PK	Vertical	EIRP

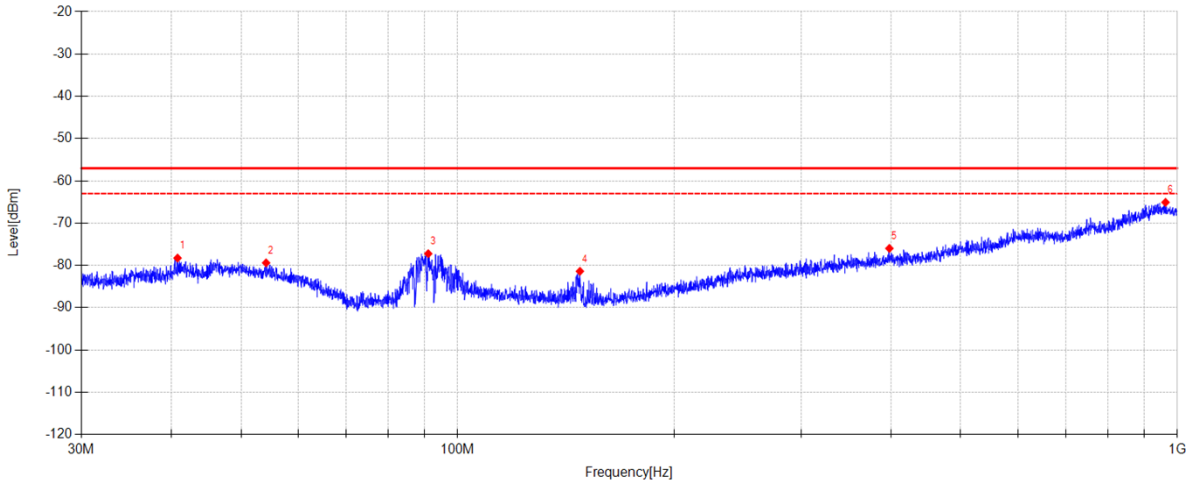
Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Appendix A.7: Test Results of Receiver Spurious Emissions

Note: 1. This testing was carried out on different modulations, but only the worst case was presented in this report.
2. The EUT without antenna connector.

FHSS, Below 1GHz

Test Date:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	RX DH5 2480MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Below 1G BT\13		
Memo:	Sample Numble:S25091616-015		

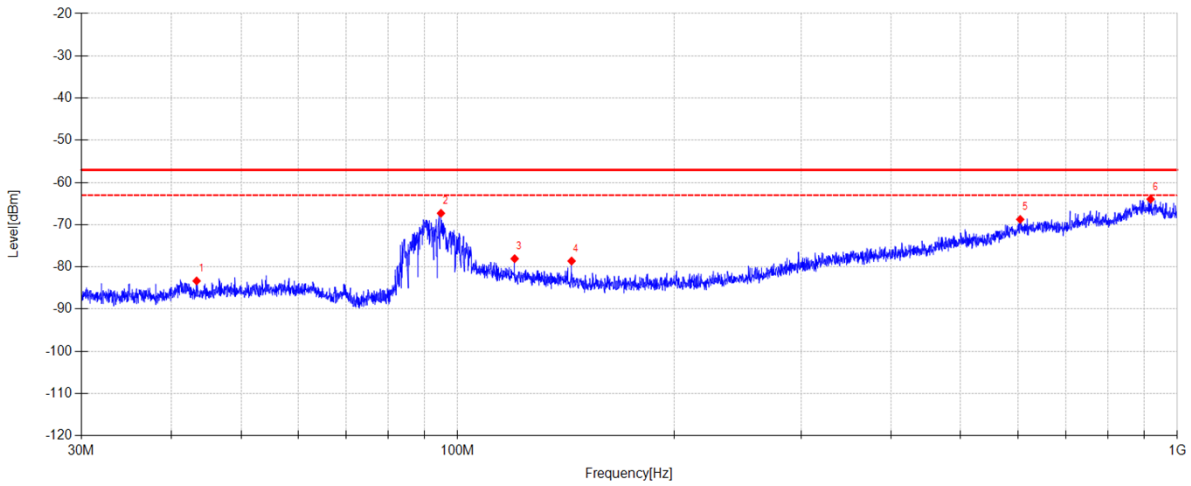


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	40.813	34.03	-112.29	-78.26	-57.00	21.26	PK	Horizontal	ERP
2	54.179	32.76	-112.15	-79.39	-57.00	22.39	PK	Horizontal	ERP
3	91.027	40.47	-117.69	-77.22	-57.00	20.22	PK	Horizontal	ERP
4	147.874	37.84	-119.22	-81.38	-57.00	24.38	PK	Horizontal	ERP
5	397.986	33.48	-109.45	-75.97	-57.00	18.97	PK	Horizontal	ERP
6	962.845	33.95	-99.03	-65.08	-57.00	8.08	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:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	RX DH5 2480MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Below 1G BT\14		
Memo:	Sample Numble:S25091616-015		

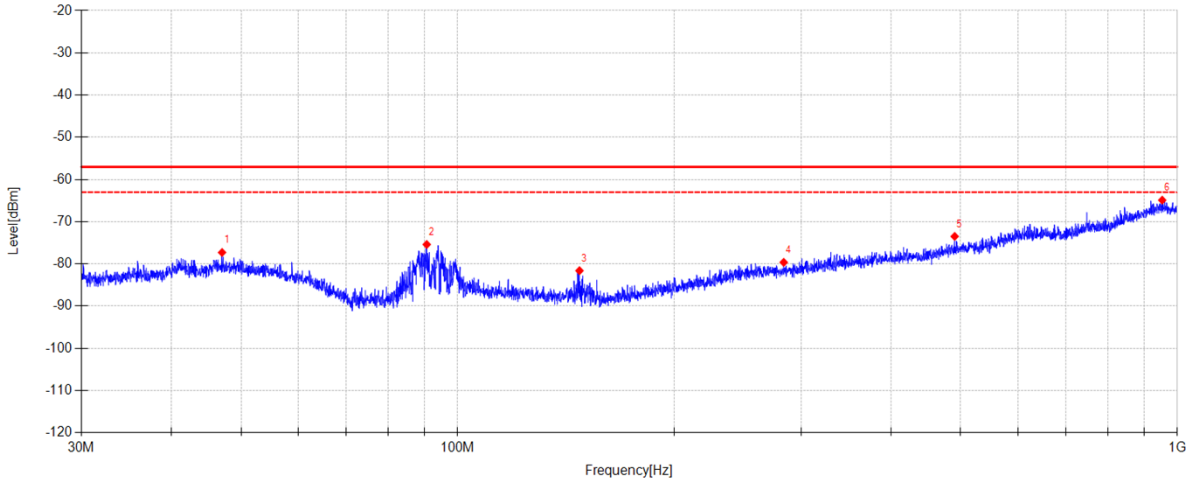


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	43.381	33.20	-116.51	-83.31	-57.00	26.31	PK	Vertical	ERP
2	94.805	44.91	-112.19	-67.28	-57.00	10.28	PK	Vertical	ERP
3	119.991	34.57	-112.62	-78.05	-57.00	21.05	PK	Vertical	ERP
4	143.986	35.71	-114.31	-78.60	-57.00	21.60	PK	Vertical	ERP
5	604.871	33.93	-102.67	-68.74	-57.00	11.74	PK	Vertical	ERP
6	918.014	32.80	-96.75	-63.95	-57.00	6.95	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:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	RX DH5 2402MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Below 1G BT\15		
Memo:	Sample Numble:S25091616-015		

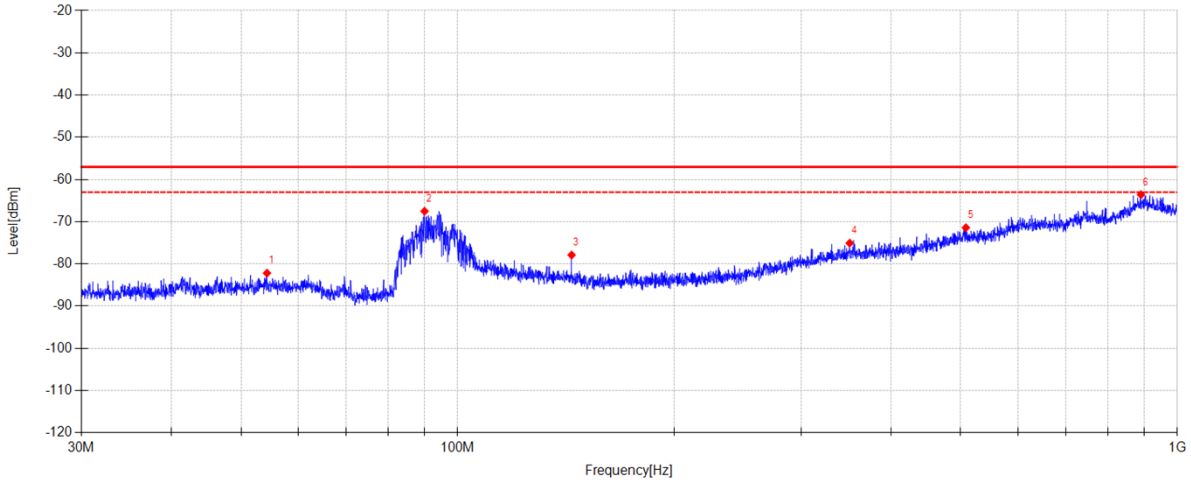


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	47.057	34.22	-111.50	-77.28	-57.00	20.28	PK	Horizontal	ERP
2	90.581	42.39	-117.78	-75.39	-57.00	18.39	PK	Horizontal	ERP
3	147.667	37.60	-119.20	-81.60	-57.00	24.60	PK	Horizontal	ERP
4	283.852	32.46	-112.09	-79.63	-57.00	22.63	PK	Horizontal	ERP
5	490.471	34.10	-107.58	-73.48	-57.00	16.48	PK	Horizontal	ERP
6	952.771	33.97	-98.86	-64.89	-57.00	7.89	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:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	RX DH5 2402MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Below 1G BT\16		
Memo:	Sample Numble:S25091616-015		



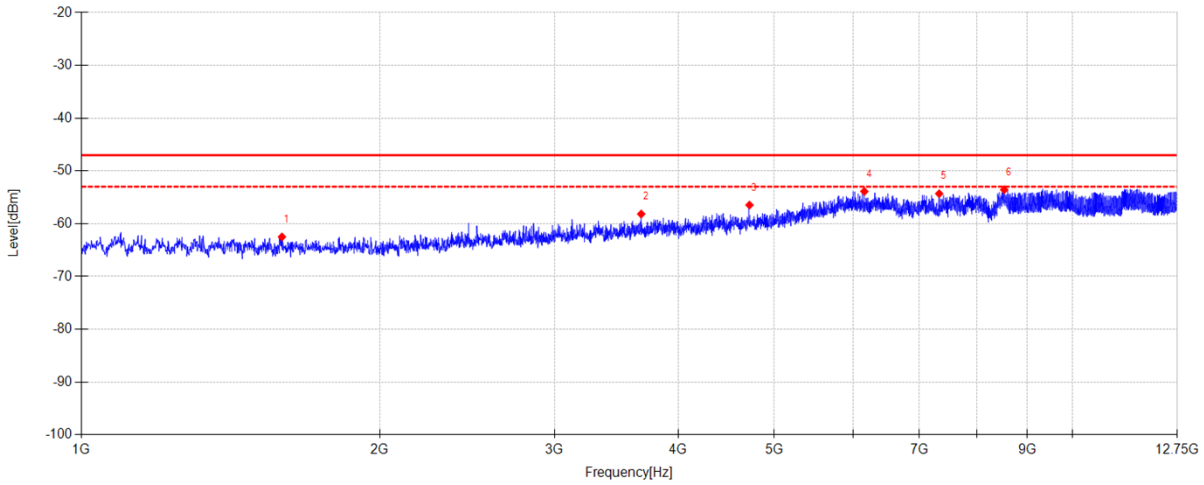
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	54.331	33.71	-115.89	-82.18	-57.00	25.18	PK	Vertical	ERP
2	89.948	45.59	-113.09	-67.50	-57.00	10.50	PK	Vertical	ERP
3	143.986	36.43	-114.31	-77.88	-57.00	20.88	PK	Vertical	ERP
4	350.550	33.18	-108.24	-75.06	-57.00	18.06	PK	Vertical	ERP
5	508.327	33.51	-104.92	-71.41	-57.00	14.41	PK	Vertical	ERP
6	890.124	33.57	-97.15	-63.58	-57.00	6.58	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.

FHSS, Above 1GHz

Test Date:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	RX DH5 2402MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Above 1G BT\13		
Memo:	Sample Numble:S25091616-015		

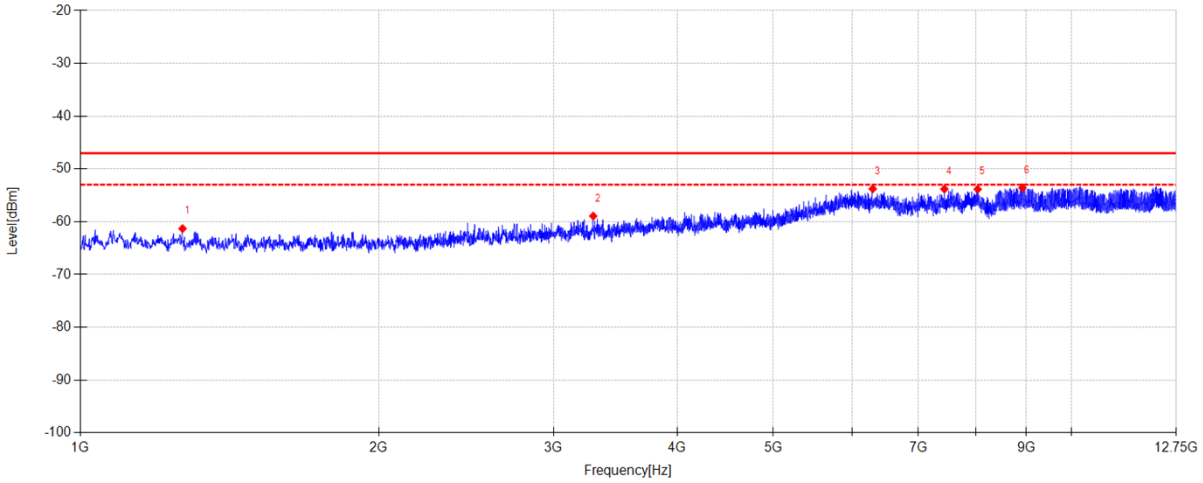


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1593.375	42.10	-104.60	-62.50	**-47.00**	15.50	PK	Horizontal	EIRP
2	3670.775	43.46	-101.62	-58.16	**-47.00**	11.16	PK	Horizontal	EIRP
3	4720.050	42.65	-99.11	-56.46	**-47.00**	9.46	PK	Horizontal	EIRP
4	6162.950	40.34	-94.21	-53.87	**-47.00**	6.87	PK	Horizontal	EIRP
5	7333.250	39.97	-94.27	-54.30	**-47.00**	7.30	PK	Horizontal	EIRP
6	8528.225	37.89	-91.45	-53.56	**-47.00**	6.56	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:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	RX DH5 2402MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Above 1G BT\14		
Memo:	Sample Numble:S25091616-015		

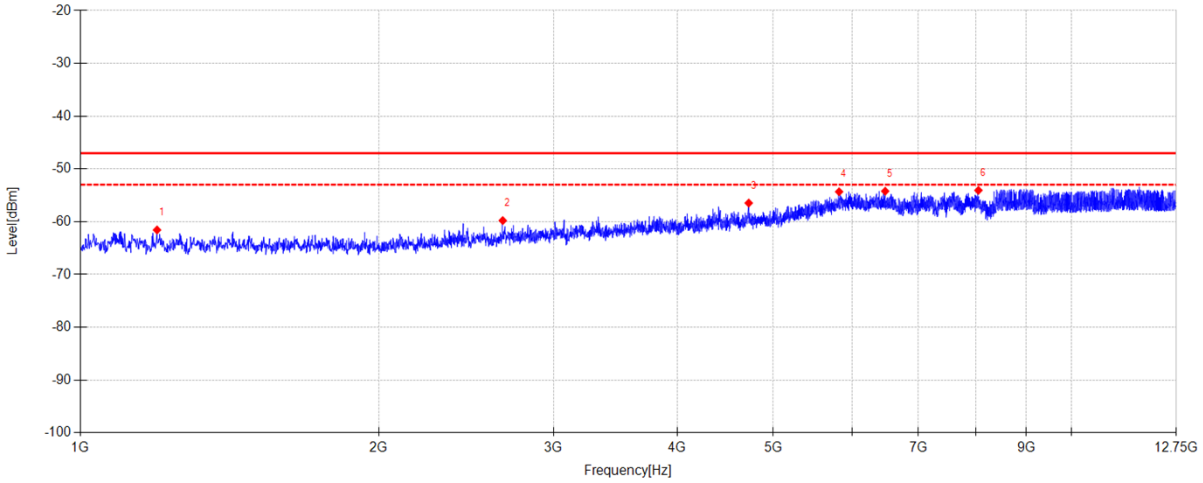


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1267.900	42.85	-104.16	-61.31	**-47.00**	14.31	PK	Vertical	EIRP
2	3291.250	43.26	-102.19	-58.93	**-47.00**	11.93	PK	Vertical	EIRP
3	6299.250	40.54	-94.31	-53.77	**-47.00**	6.77	PK	Vertical	EIRP
4	7439.000	40.24	-94.05	-53.81	**-47.00**	6.81	PK	Vertical	EIRP
5	8037.075	39.07	-92.92	-53.85	**-47.00**	6.85	PK	Vertical	EIRP
6	8917.150	36.69	-90.25	-53.56	**-47.00**	6.56	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:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	RX DH5 2480MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Above 1G BT\15		
Memo:	Sample Numble:S25091616-015		

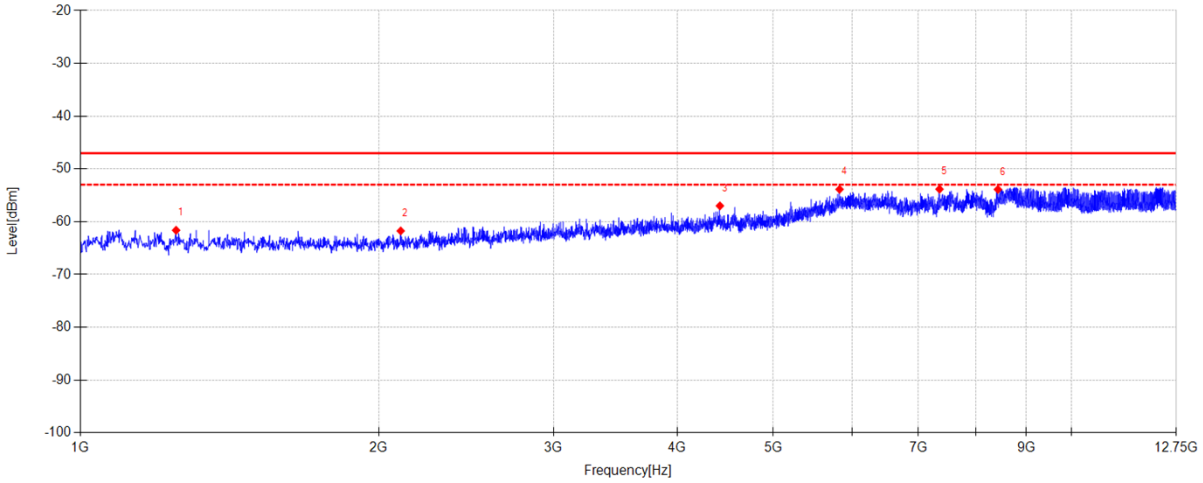


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1195.050	42.93	-104.49	-61.56	**-47.00**	14.56	PK	Horizontal	EIRP
2	2667.325	43.57	-103.35	-59.78	**-47.00**	12.78	PK	Horizontal	EIRP
3	4722.400	42.64	-99.10	-56.46	**-47.00**	9.46	PK	Horizontal	EIRP
4	5825.725	40.52	-94.84	-54.32	**-47.00**	7.32	PK	Horizontal	EIRP
5	6483.725	40.19	-94.40	-54.21	**-47.00**	7.21	PK	Horizontal	EIRP
6	8051.175	39.19	-93.25	-54.06	**-47.00**	7.06	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:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	RX DH5 2480MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Above 1G BT\16		
Memo:	Sample Numble:S25091616-015		



Suspected Data List

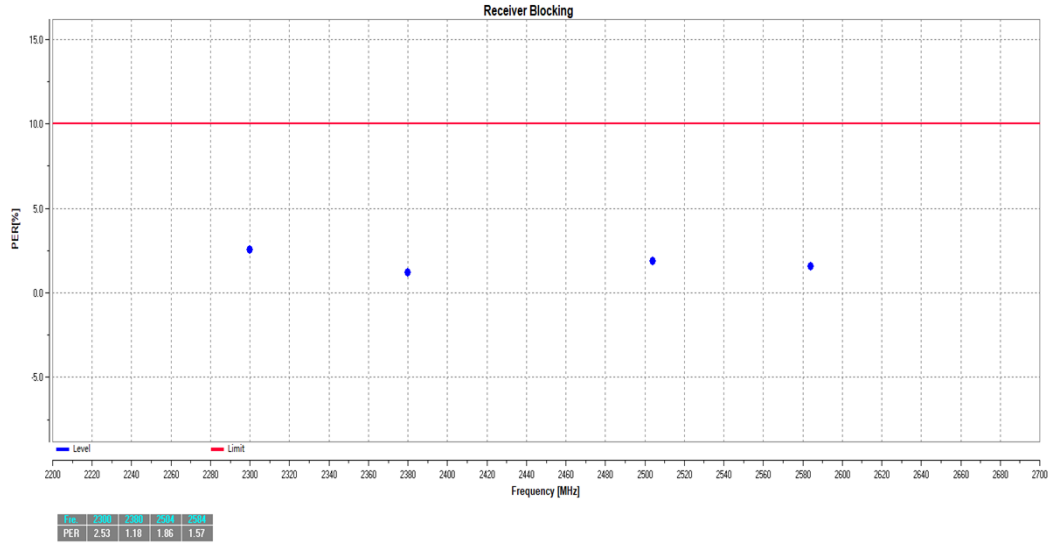
NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1249.100	42.53	-104.15	-61.62	**-47.00**	14.62	PK	Vertical	EIRP
2	2104.500	42.51	-104.25	-61.74	**-47.00**	14.74	PK	Vertical	EIRP
3	4416.900	43.18	-100.17	-56.99	**-47.00**	9.99	PK	Vertical	EIRP
4	5831.600	41.02	-94.88	-53.86	**-47.00**	6.86	PK	Vertical	EIRP
5	7355.575	40.37	-94.20	-53.83	**-47.00**	6.83	PK	Vertical	EIRP
6	8424.825	37.87	-91.75	-53.88	**-47.00**	6.88	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.

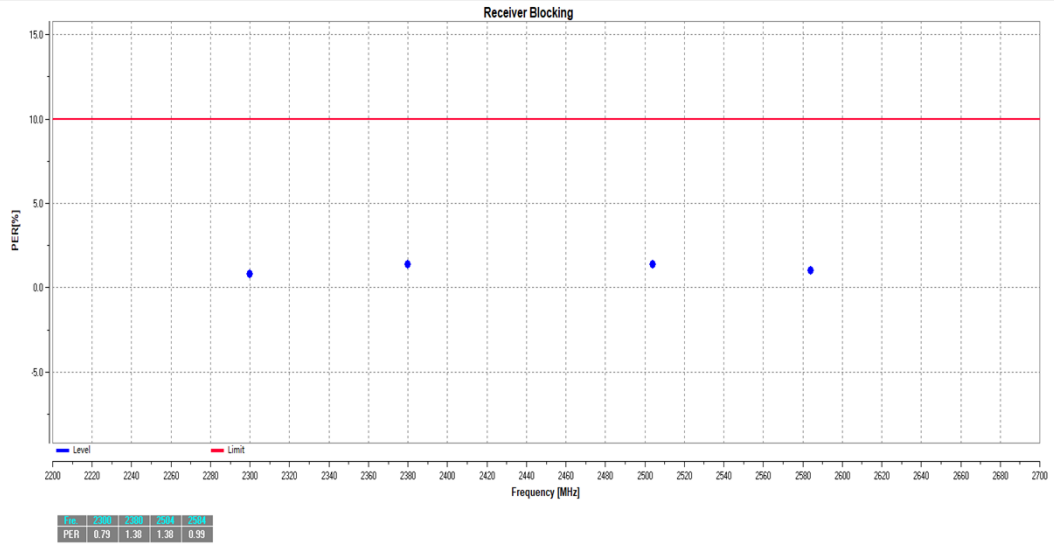
Appendix A.8: Test Results of Receiver Blocking of FHSS

Test Mode	Antenna	Channel	Pmin [dBm]	Wanted signal [dBm]	Freq. [MHz]	CW [dBm]	PER [%]	Limit [%]	Verdict
DH1	Ant1	Hop	---	-67.08	2300	-31.41	2.53	≤10	PASS
			---	-67.08	2380	-31.41	1.18	≤10	PASS
			---	-67.08	2504	-31.41	1.86	≤10	PASS
			---	-67.08	2584	-31.41	1.57	≤10	PASS
2DH1	Ant1	Hop	---	-65.78	2300	-31.41	0.79	≤10	PASS
			---	-65.78	2380	-31.41	1.38	≤10	PASS
			---	-65.78	2504	-31.41	1.38	≤10	PASS
			---	-65.78	2584	-31.41	0.99	≤10	PASS

DH1_Ant1_Hop



2DH1_Ant1_Hop



Note: The EUT belong category 2 receiver.

Appendix B

Test Results of Bluetooth Low Energy

Content

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6 APPENDIX B.6 : RECEIVER SPURIOUS EMISSIONS 29
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1 Appendix B.1 : RF output power

The RF output power is the mean equivalent isotopically 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	-2.35	0.24	20	PASS
			2440	-2.07	0.52	20	PASS
			2480	-3.30	-0.71	20	PASS
	BLE_2M	Ant1	2404	-2.19	0.40	20	PASS
			2440	-1.98	0.61	20	PASS
			2478	-3.10	-0.51	20	PASS
LTNV	BLE_1M	Ant1	2402	-2.36	0.23	20	PASS
			2440	-2.05	0.54	20	PASS
			2480	-3.29	-0.70	20	PASS
	BLE_2M	Ant1	2404	-2.19	0.40	20	PASS
			2440	-1.98	0.61	20	PASS
			2478	-3.09	-0.50	20	PASS
HTNV	BLE_1M	Ant1	2402	-2.35	0.24	20	PASS
			2440	-2.06	0.53	20	PASS
			2480	-3.30	-0.71	20	PASS
	BLE_2M	Ant1	2404	-2.17	0.42	20	PASS
			2440	-1.98	0.61	20	PASS
			2478	-3.09	-0.50	20	PASS

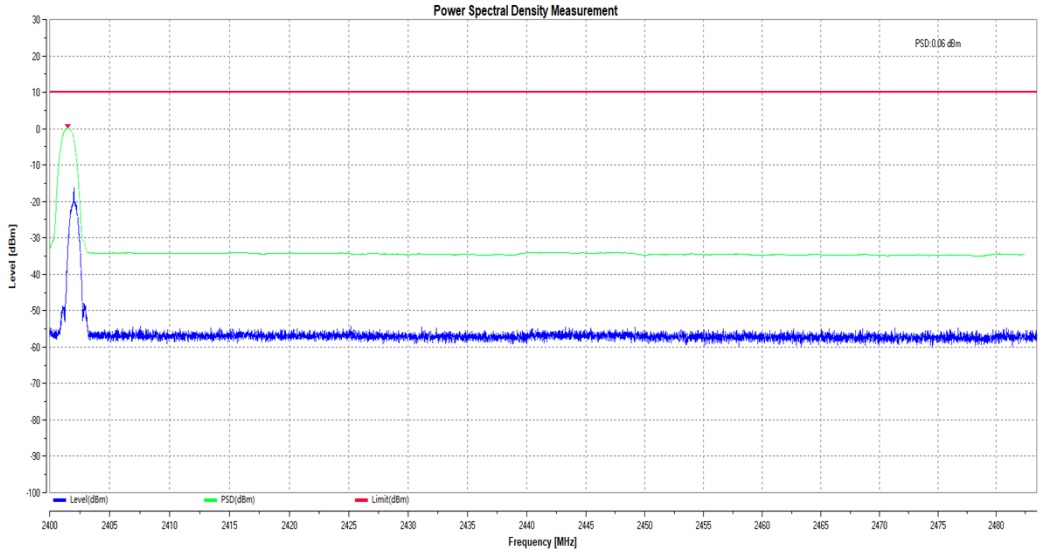
Note: EIRP = Measured Highest Pburst Values + Antenna Gain

2 Appendix B.2: Power density

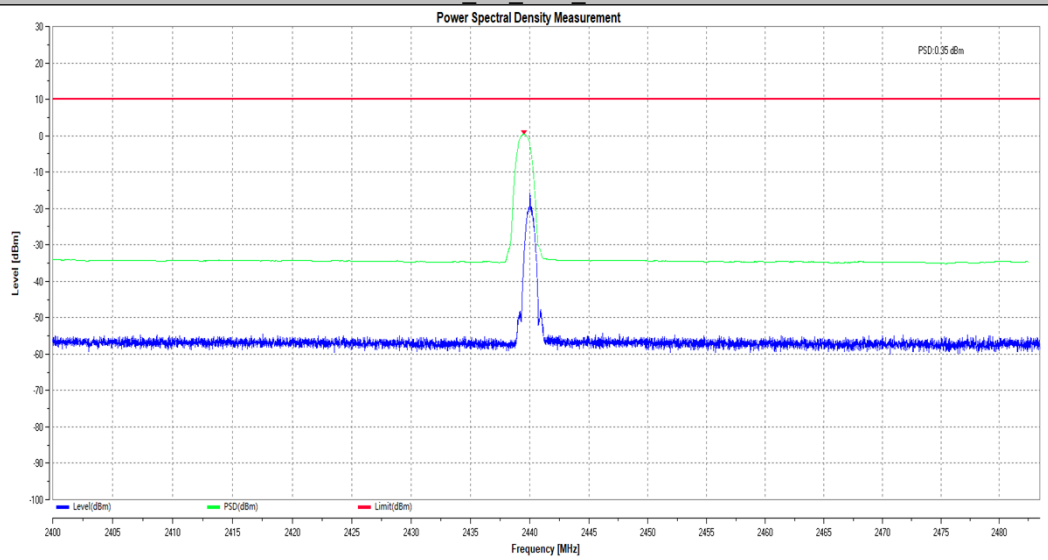
The power density is the mean Equivalent Isotropically Radiated Power (EIRP) density during a transmission burst. Only the worst case for all test modes reported.

Test Mode	Antenna	Frequency [MHz]	EIRP PSD [dBm/MHz]	Limit [dBm/MHz]	Verdict
BLE_1M	Ant1	2402	0.06	10	PASS
		2440	0.35	10	PASS
		2480	-0.92	10	PASS
BLE_2M	Ant1	2404	-0.84	10	PASS
		2440	-0.62	10	PASS
		2478	-1.81	10	PASS

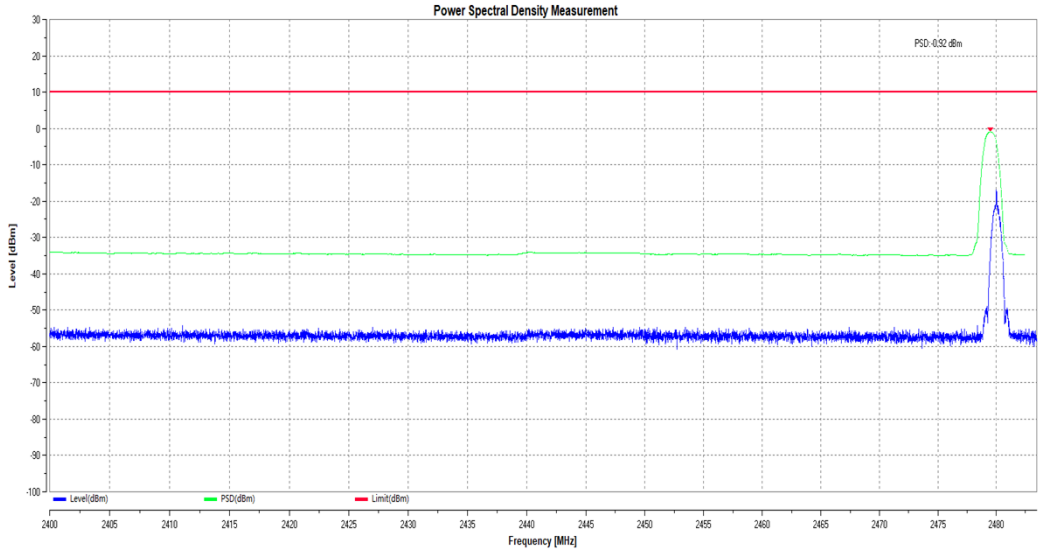
BLE_1M_Ant1_2402



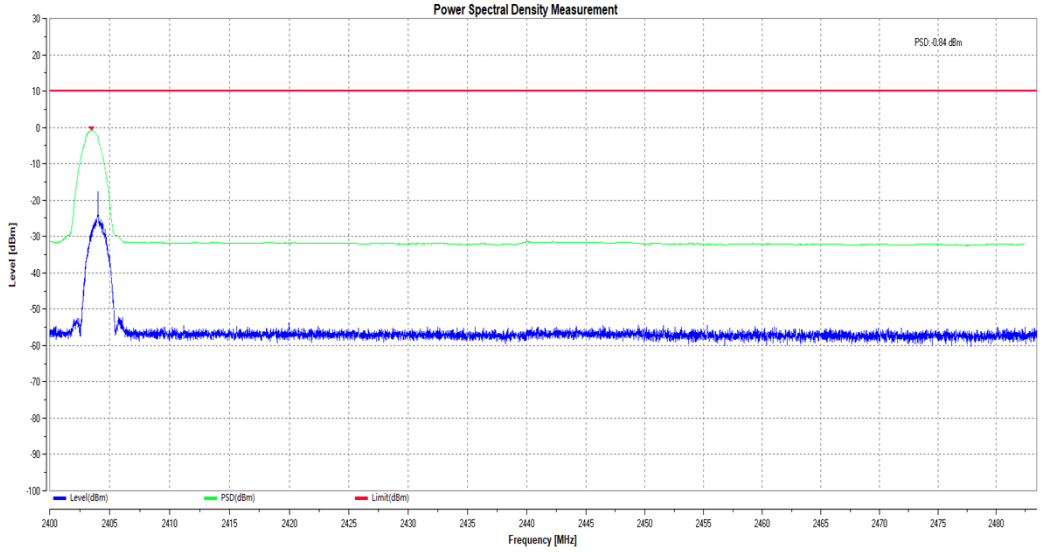
BLE_1M_Ant1_2440



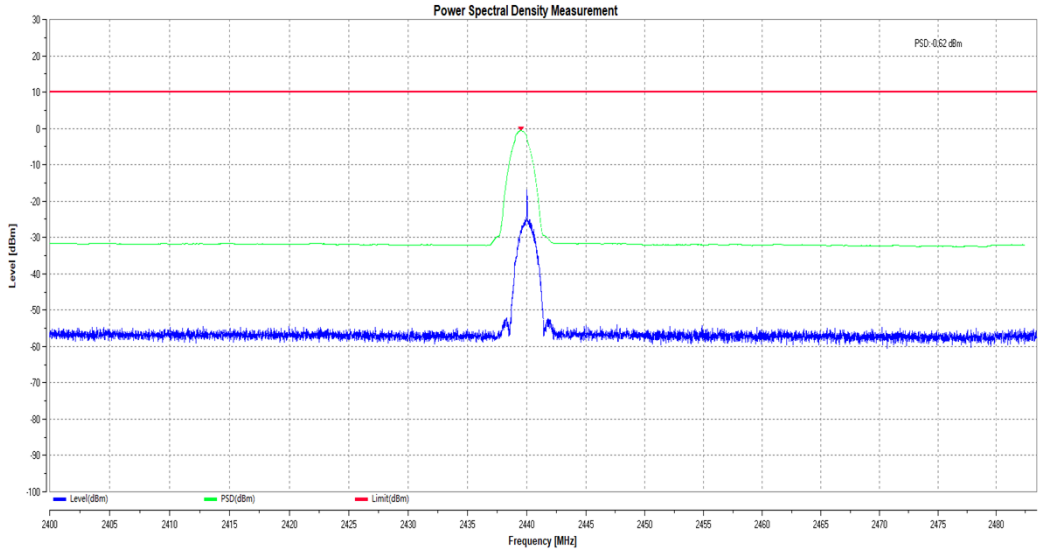
BLE_1M_Ant1_2480



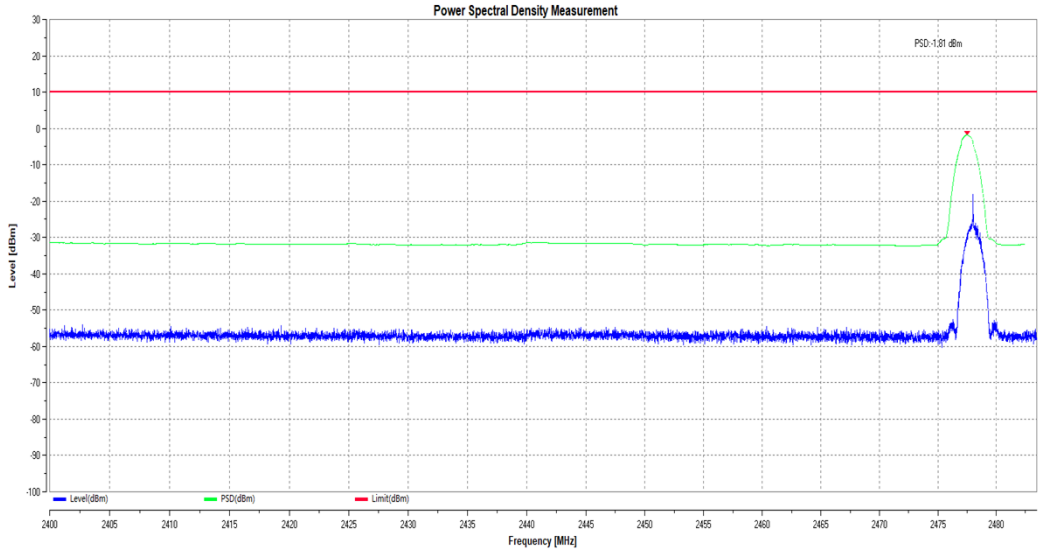
BLE_2M_Ant1_2404



BLE_2M_Ant1_2440



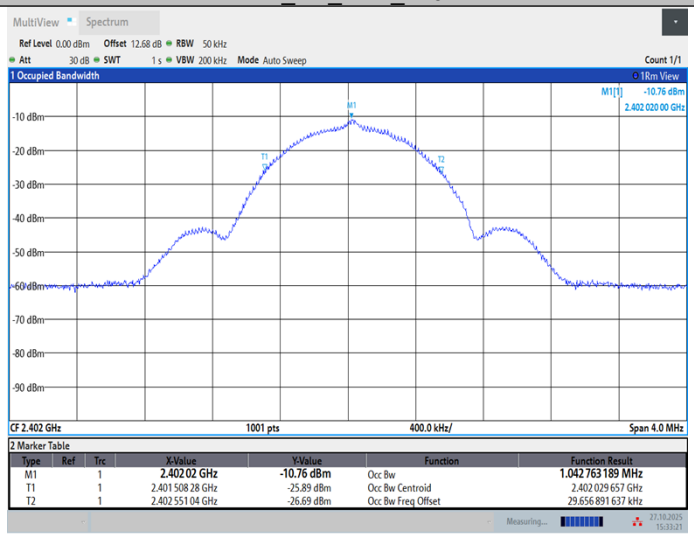
BLE_2M_Ant1_2478



3 Appendix B.3 : Occupied Channel Bandwidth

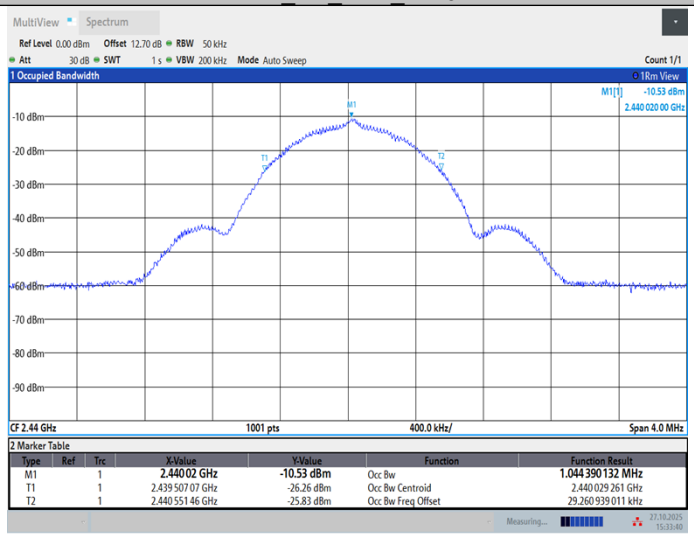
Test Mode	Antenna	Frequency [MHz]	OCB[MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
BLE_1M	Ant1	2402	1.0428	2401.5083	2402.5510	2400 to 2483.5	PASS
		2440	1.0444	2439.5071	2440.5515	2400 to 2483.5	PASS
		2480	1.0439	2479.5066	2480.5504	2400 to 2483.5	PASS
BLE_2M	Ant1	2404	2.0532	2403.0030	2405.0563	2400 to 2483.5	PASS
		2440	2.0534	2439.0023	2441.0557	2400 to 2483.5	PASS
		2478	2.0542	2476.9990	2479.0532	2400 to 2483.5	PASS

BLE_1M_Ant1_2402



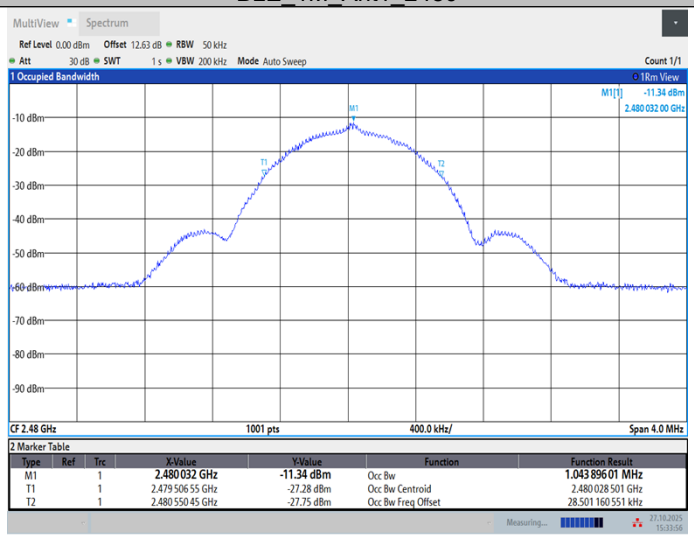
15:33:22 27.10.2025

BLE_1M_Ant1_2440



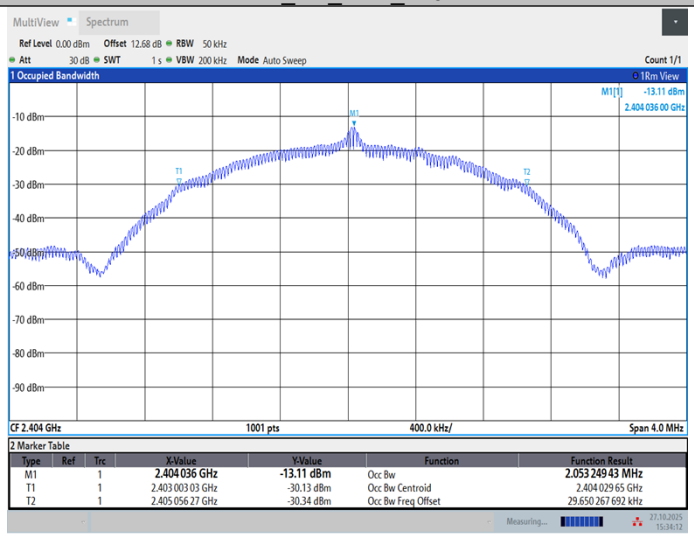
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BLE_1M_Ant1_2480



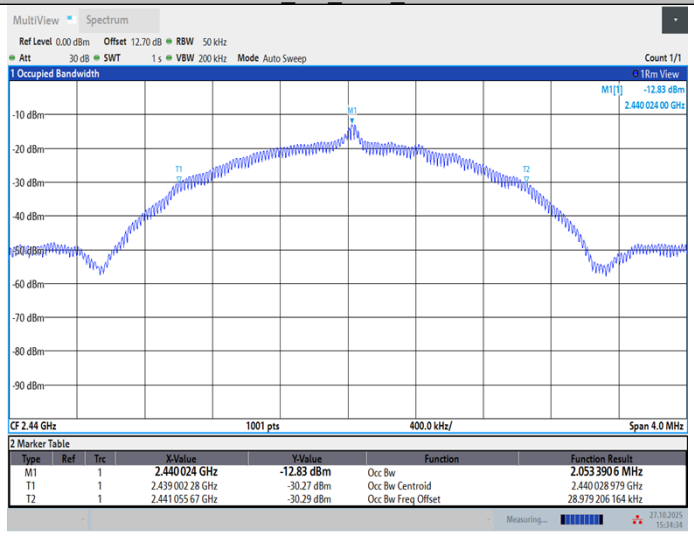
15:33:56 27.10.2025

BLE_2M_Ant1_2404



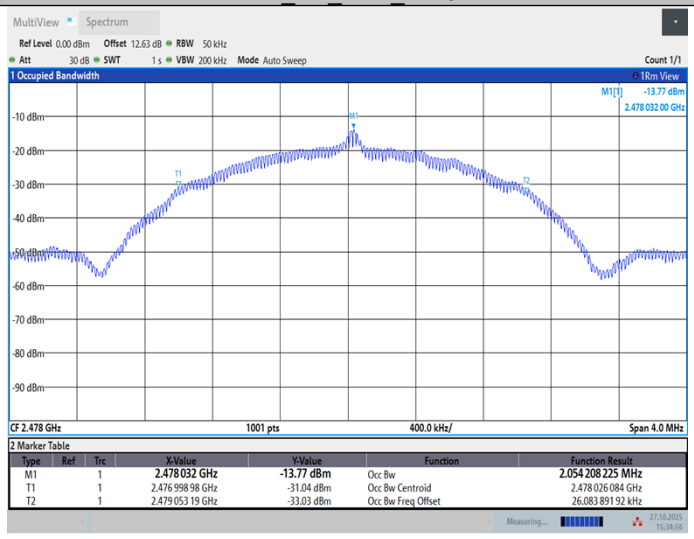
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BLE_2M_Ant1_2440



15:34:34 27.10.2025

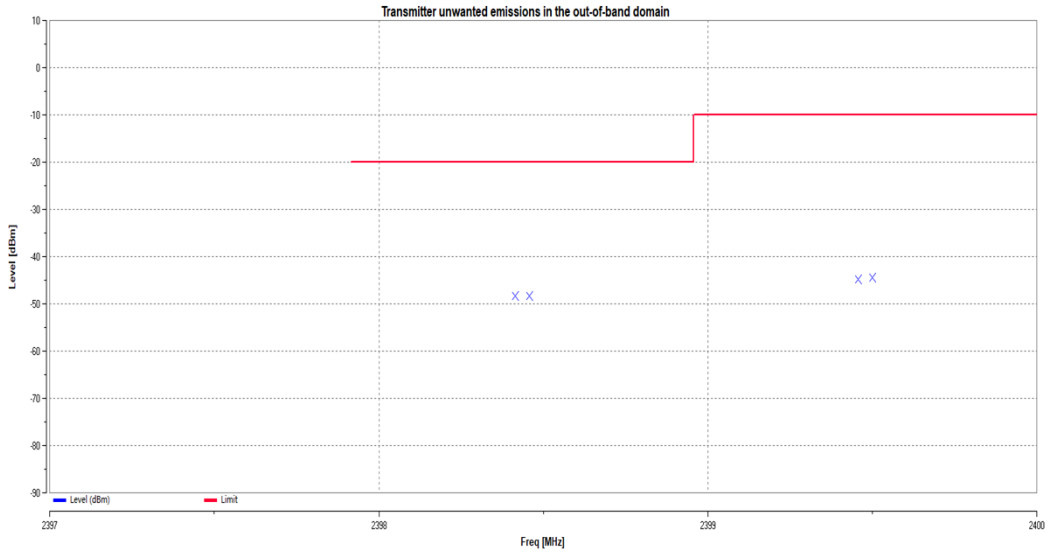
BLE_2M_Ant1_2478



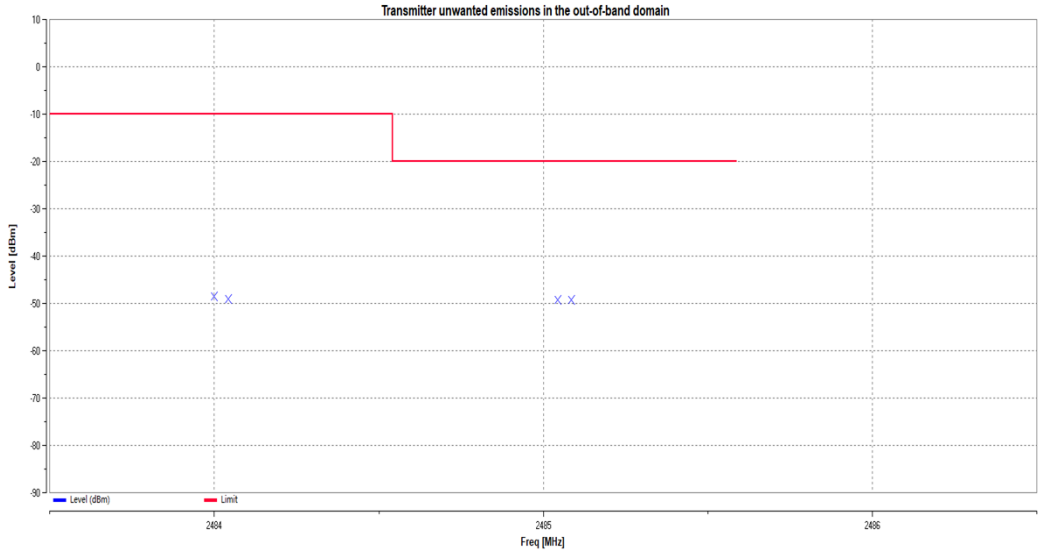
4 Appendix B.4 : Tx unwanted emissions in the out-of-band domain

Test Mode	Antenna	Frequency[MHz]	Freq. [MHz]	Level[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2398.4144	-48.31	-20.00	PASS
			2398.4572	-48.27	-20.00	PASS
			2399.4572	-44.78	-10.00	PASS
			2399.5	-44.44	-10.00	PASS
			2484	-48.43	-10.00	PASS
			2484.0428	-49.04	-10.00	PASS
			2485.0428	-49.23	-20.00	PASS
			2485.0856	-49.23	-20.00	PASS
		2480	2398.4112	-49.07	-20.00	PASS
			2398.4556	-49.12	-20.00	PASS
			2399.4556	-48.57	-10.00	PASS
			2399.5	-49.17	-10.00	PASS
			2484	-48.39	-10.00	PASS
			2484.0444	-48.19	-10.00	PASS
			2485.0444	-48.15	-20.00	PASS
			2485.0888	-48.35	-20.00	PASS
BLE_2M	Ant1	2404	2396.3948	-47.84	-20.00	PASS
			2396.4474	-47.71	-20.00	PASS
			2397.4474	-43.39	-20.00	PASS
			2398.4474	-43.93	-10.00	PASS
			2398.5	-44.07	-10.00	PASS
			2399.5	-45.82	-10.00	PASS
			2484	-49.33	-10.00	PASS
			2485	-49.13	-10.00	PASS
			2485.0526	-48.63	-10.00	PASS
			2486.0526	-49.35	-20.00	PASS
			2487.0526	-49.23	-20.00	PASS
			2487.1052	-49.27	-20.00	PASS
		2478	2396.3898	-49.16	-20.00	PASS
			2396.4449	-48.67	-20.00	PASS
			2397.4449	-48.84	-20.00	PASS
			2398.4449	-48.96	-10.00	PASS
			2398.5	-49.37	-10.00	PASS
			2399.5	-49.26	-10.00	PASS
			2484	-43.11	-10.00	PASS
			2485	-48.15	-10.00	PASS
			2485.0551	-48.48	-10.00	PASS
			2486.0551	-48.00	-20.00	PASS
			2487.0551	-47.17	-20.00	PASS
			2487.1102	-47.37	-20.00	PASS

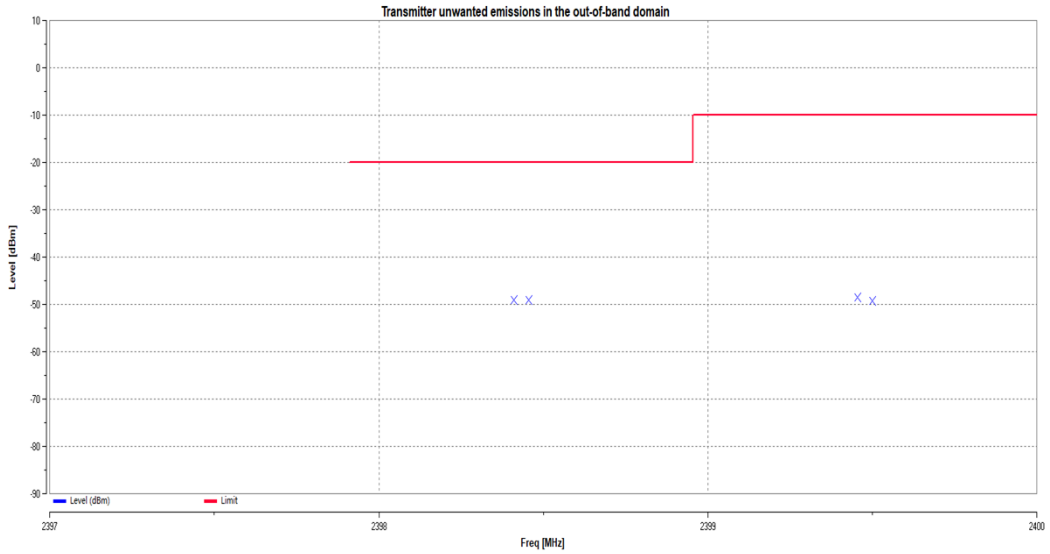
BLE_1M_Ant1_2402_2400MHz-2BW to 2400MHz



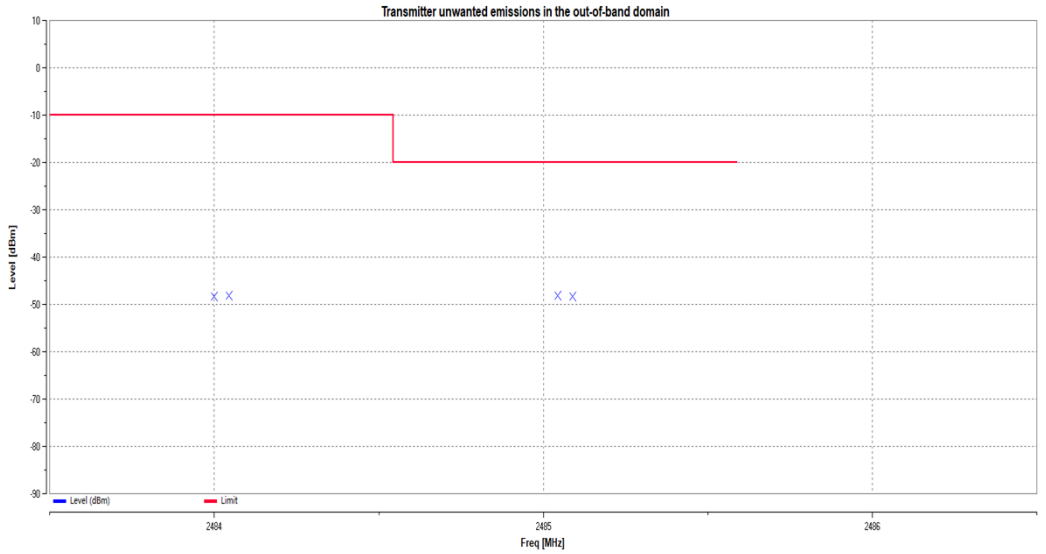
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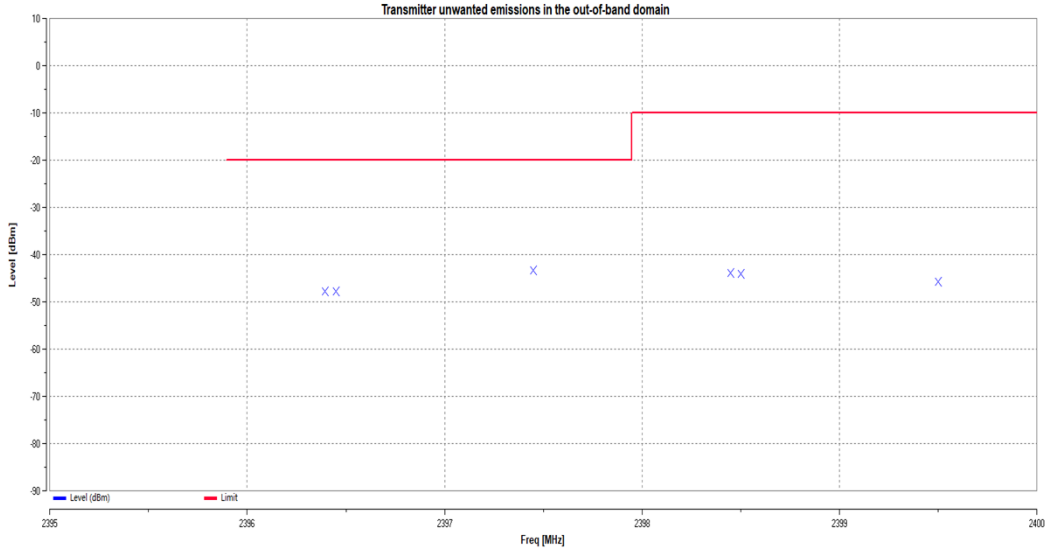
BLE_1M_Ant1_2480_2400MHz-2BW to 2400MHz



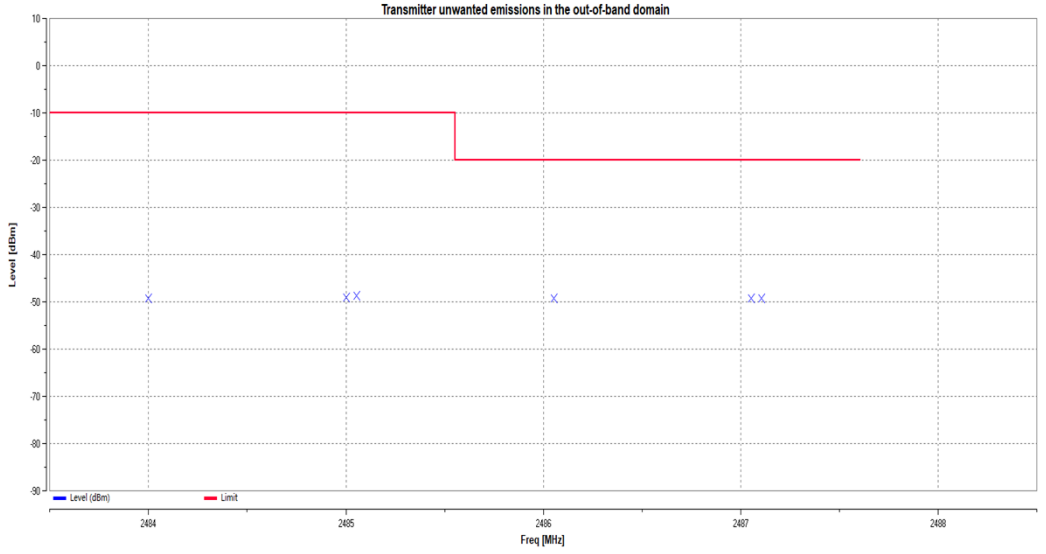
BLE_1M_Ant1_2480_2483.5MHz to 2483.5MHz+2BW



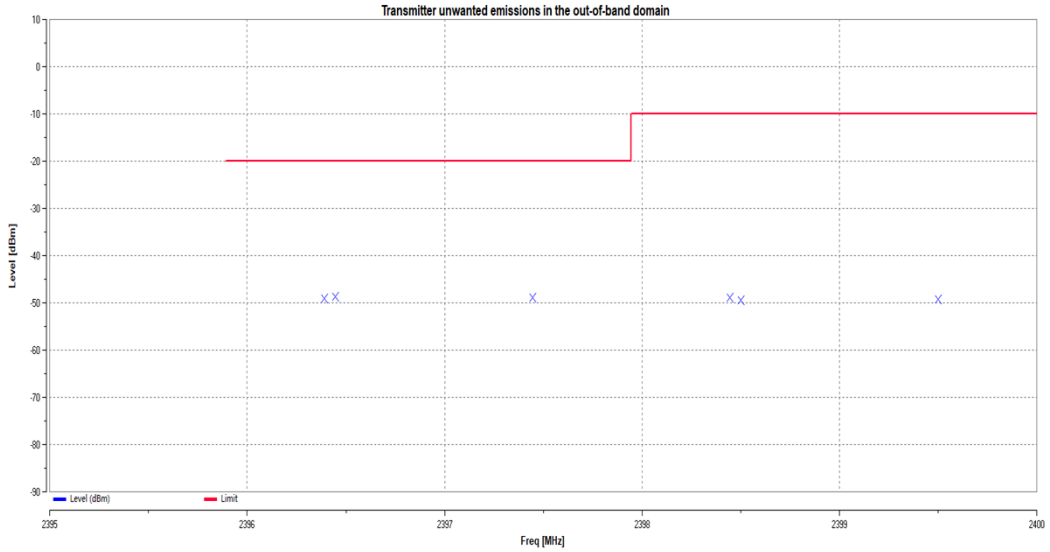
BLE_2M_Ant1_2404_2400MHz-2BW to 2400MHz



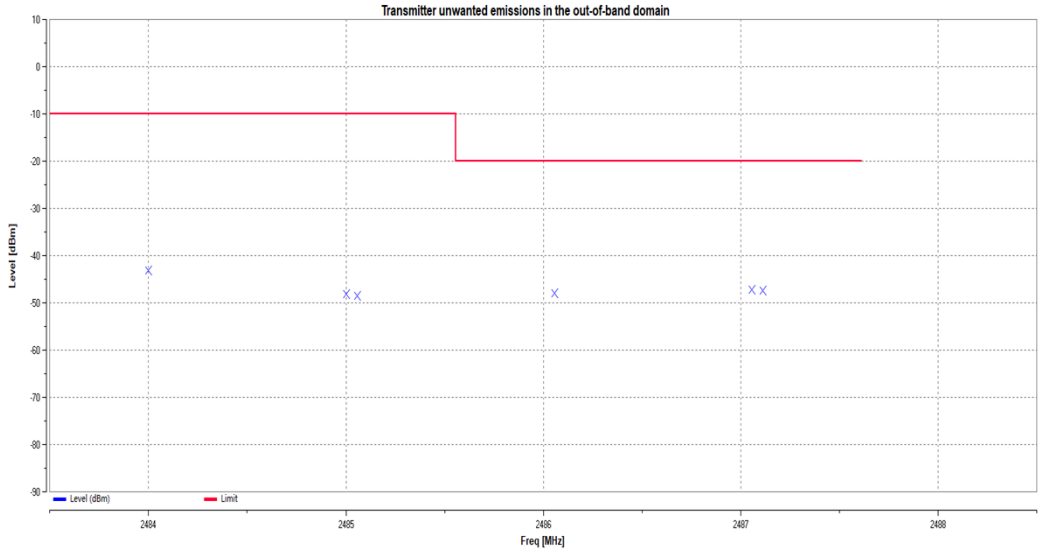
BLE_2M_Ant1_2404_2483.5MHz to 2483.5MHz+2BW



BLE_2M_Ant1_2478_2400MHz-2BW to 2400MHz



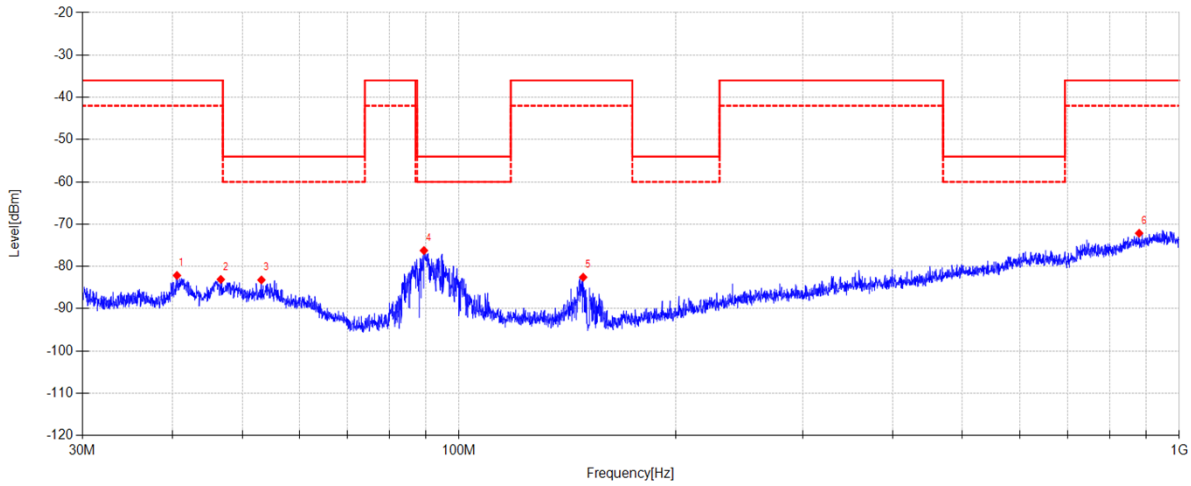
BLE_2M_Ant1_2478_2483.5MHz to 2483.5MHz+2BW



5 Appendix B.5 : Transmitter unwanted emissions

Note: The EUT without antenna connectors.

Test Date:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	TX BLE1M 2480MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Below 1G BLE\25		
Memo:	Sample Numble:S25091616-015		

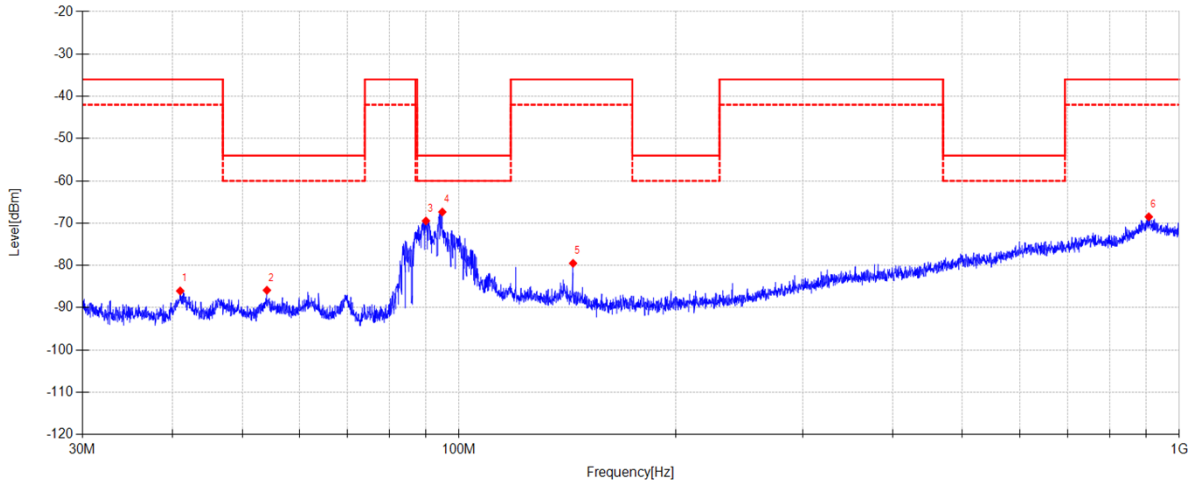


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	40.585	30.19	-112.32	-82.13	-36.00	46.13	PK	Horizontal	ERP
2	46.695	28.47	-111.54	-83.07	-36.00	47.07	PK	Horizontal	ERP
3	53.162	28.70	-111.89	-83.19	-54.00	29.19	PK	Horizontal	ERP
4	89.382	41.67	-117.91	-76.24	-54.00	22.24	PK	Horizontal	ERP
5	148.706	36.71	-119.27	-82.56	-36.00	46.56	PK	Horizontal	ERP
6	879.577	28.51	-100.66	-72.15	-36.00	36.15	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:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	TX BLE1M 2480MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Below 1G BLE\26		
Memo:	Sample Numble:S25091616-015		

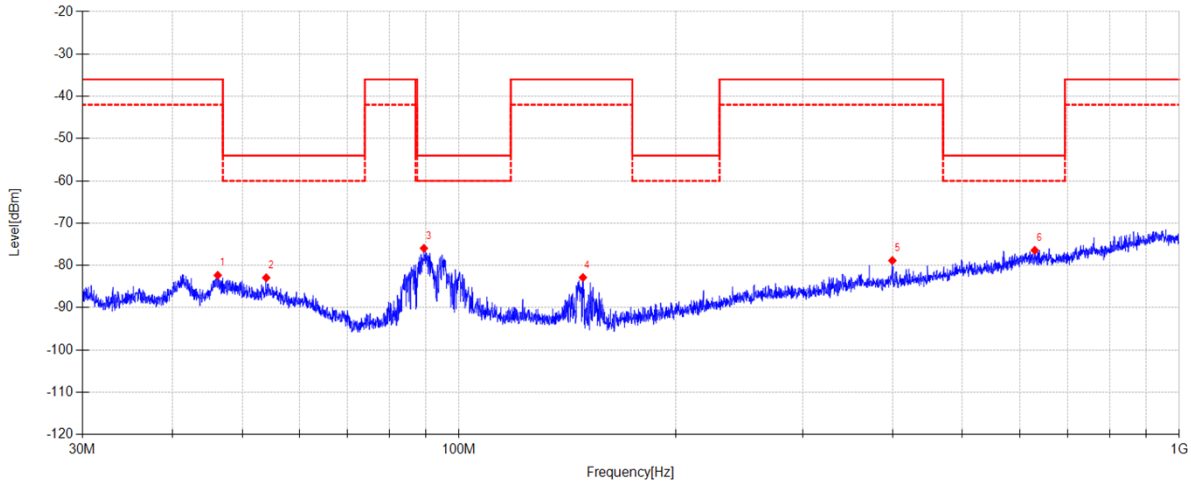


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	41.014	30.69	-116.72	-86.03	-36.00	50.03	PK	Vertical	ERP
2	54.103	30.03	-115.89	-85.86	-54.00	31.86	PK	Vertical	ERP
3	89.948	43.62	-113.09	-69.47	-54.00	15.47	PK	Vertical	ERP
4	94.805	44.83	-112.19	-67.36	-54.00	13.36	PK	Vertical	ERP
5	143.986	34.81	-114.31	-79.50	-36.00	43.50	PK	Vertical	ERP
6	907.136	28.12	-96.61	-68.49	-36.00	32.49	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:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	TX BLE1M 2402MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Below 1G BLE\27		
Memo:	Sample Numble:S25091616-015		

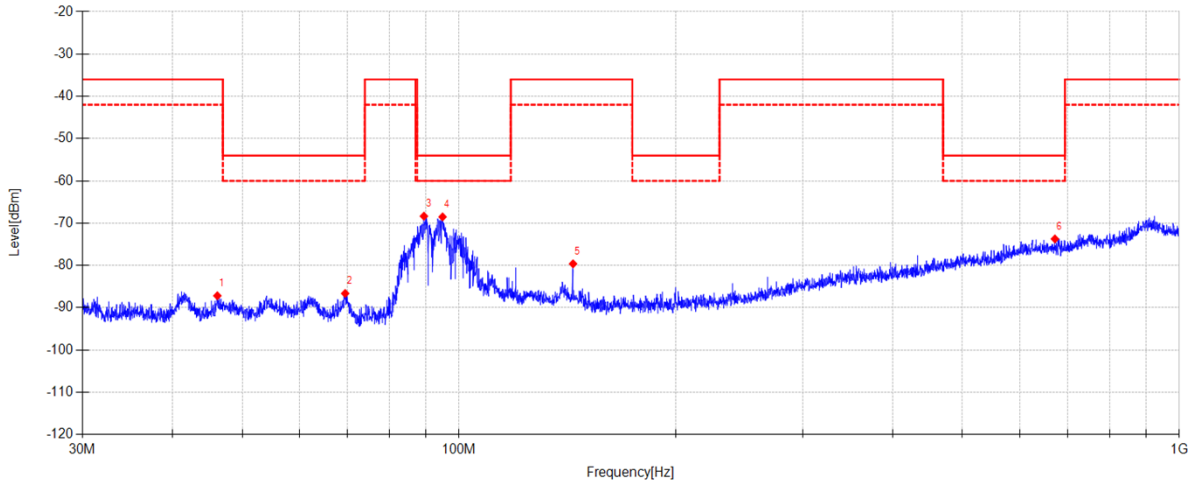


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	46.239	29.27	-111.60	-82.33	-36.00	46.33	PK	Horizontal	ERP
2	53.989	29.19	-112.10	-82.91	-54.00	28.91	PK	Horizontal	ERP
3	89.382	41.96	-117.91	-75.95	-54.00	21.95	PK	Horizontal	ERP
4	148.602	36.41	-119.26	-82.85	-36.00	46.85	PK	Horizontal	ERP
5	399.664	30.56	-109.41	-78.85	-36.00	42.85	PK	Horizontal	ERP
6	629.977	28.29	-104.71	-76.42	-54.00	22.42	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:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	TX BLE1M 2402MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Below 1G BLE\28		
Memo:	Sample Numble:S25091616-015		

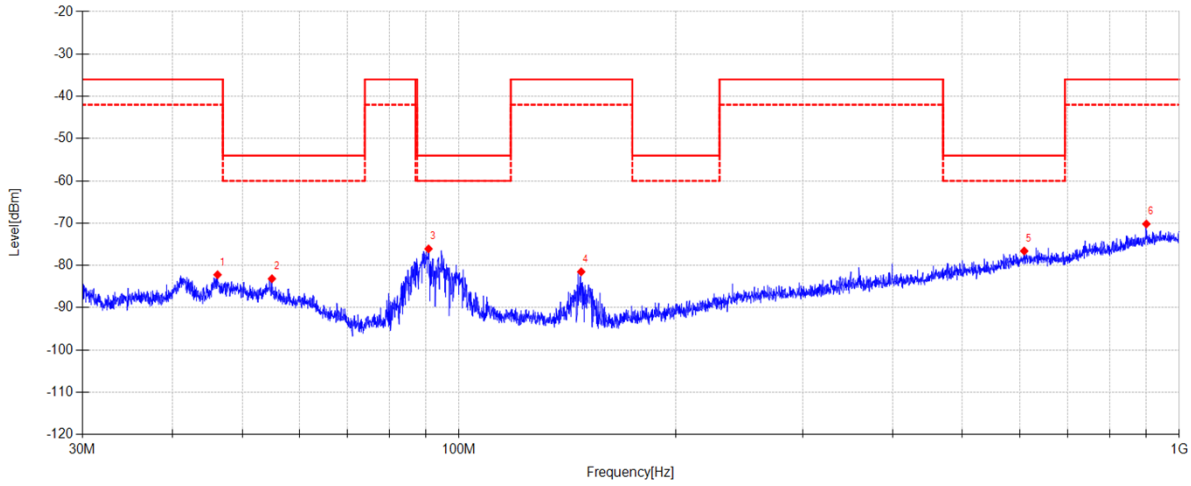


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	46.174	29.09	-116.26	-87.17	-36.00	51.17	PK	Vertical	ERP
2	69.491	32.02	-118.65	-86.63	-54.00	32.63	PK	Vertical	ERP
3	89.382	44.99	-113.34	-68.35	-54.00	14.35	PK	Vertical	ERP
4	94.871	43.65	-112.17	-68.52	-54.00	14.52	PK	Vertical	ERP
5	143.986	34.70	-114.31	-79.61	-36.00	43.61	PK	Vertical	ERP
6	671.955	28.52	-102.24	-73.72	-54.00	19.72	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:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	TX BLE2M 2404MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Below 1G BLE\29		
Memo:	Sample Numble:S25091616-015		

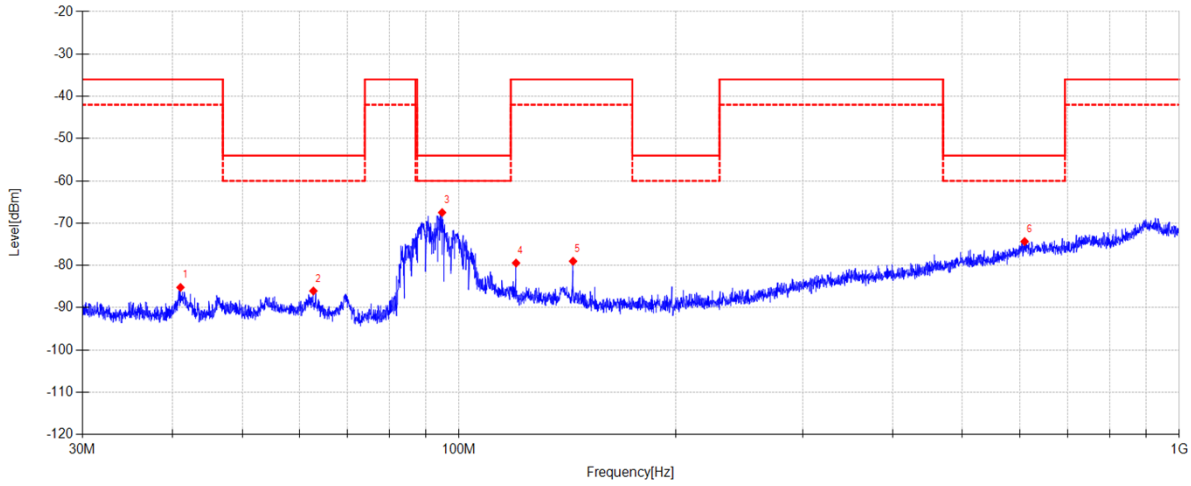


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	46.206	29.40	-111.60	-82.20	-36.00	46.20	PK	Horizontal	ERP
2	54.982	29.20	-112.34	-83.14	-54.00	29.14	PK	Horizontal	ERP
3	90.708	41.67	-117.75	-76.08	-54.00	22.08	PK	Horizontal	ERP
4	147.771	37.70	-119.21	-81.51	-36.00	45.51	PK	Horizontal	ERP
5	609.127	28.22	-104.81	-76.59	-54.00	22.59	PK	Horizontal	ERP
6	900.166	30.09	-100.28	-70.19	-36.00	34.19	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:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	TX BLE2M 2404MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Below 1G BLE\30		
Memo:	Sample Numble:S25091616-015		

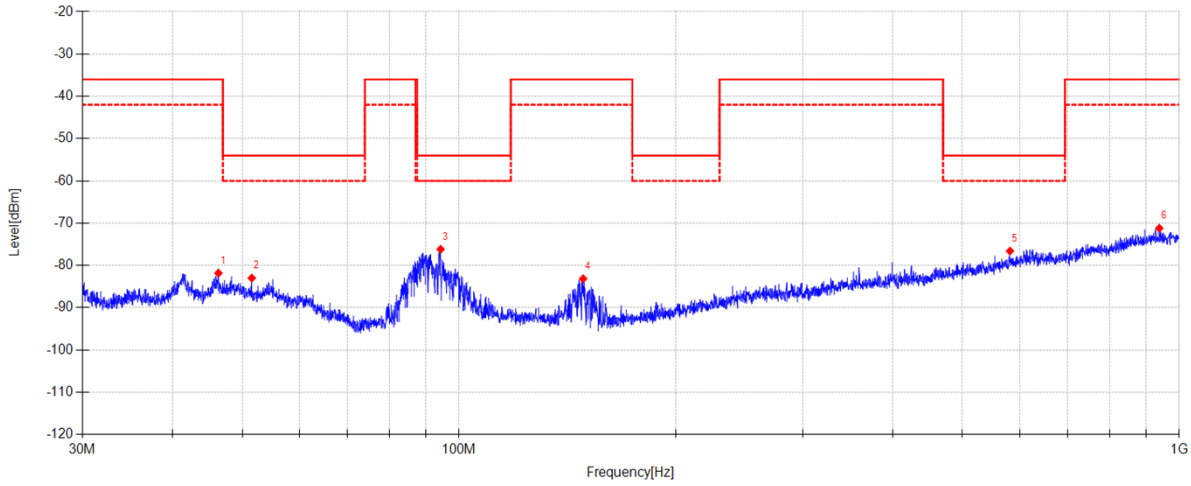


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	41.043	31.52	-116.71	-85.19	-36.00	49.19	PK	Vertical	ERP
2	62.773	30.62	-116.66	-86.04	-54.00	32.04	PK	Vertical	ERP
3	94.738	44.72	-112.20	-67.48	-54.00	13.48	PK	Vertical	ERP
4	119.991	33.19	-112.62	-79.43	-36.00	43.43	PK	Vertical	ERP
5	143.986	35.31	-114.31	-79.00	-36.00	43.00	PK	Vertical	ERP
6	609.982	28.26	-102.61	-74.35	-54.00	20.35	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:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	TX BLE2M 2478MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Below 1G BLE\31		
Memo:	Sample Numble:S25091616-015		

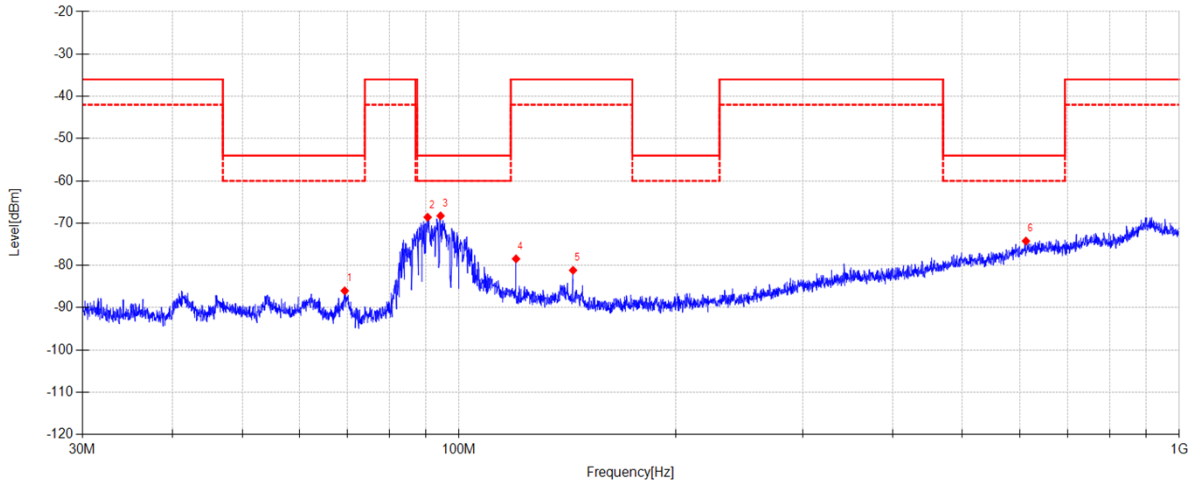


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	46.336	29.78	-111.58	-81.80	-36.00	45.80	PK	Horizontal	ERP
2	51.547	28.52	-111.50	-82.98	-54.00	28.98	PK	Horizontal	ERP
3	94.274	40.97	-117.15	-76.18	-54.00	22.18	PK	Horizontal	ERP
4	148.706	36.13	-119.27	-83.14	-36.00	47.14	PK	Horizontal	ERP
5	581.989	29.04	-105.64	-76.60	-54.00	22.60	PK	Horizontal	ERP
6	938.186	27.96	-99.16	-71.20	-36.00	35.20	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:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	TX BLE2M 2478MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Below 1G BLE\32		
Memo:	Sample Numble:S25091616-015		

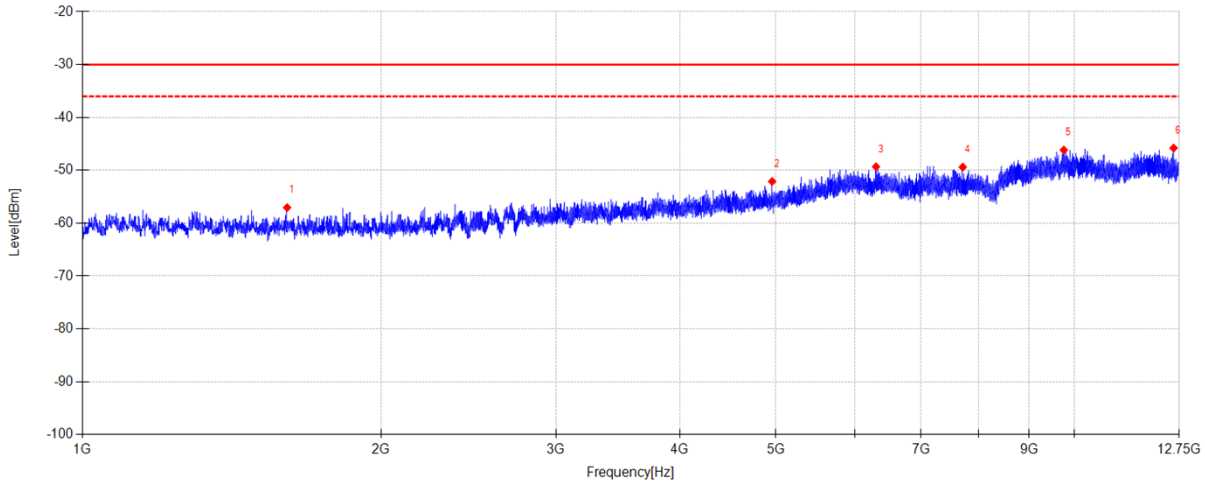


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	69.394	32.62	-118.62	-86.00	-54.00	32.00	PK	Vertical	ERP
2	90.454	44.39	-112.99	-68.60	-54.00	14.60	PK	Vertical	ERP
3	94.274	44.01	-112.28	-68.27	-54.00	14.27	PK	Vertical	ERP
4	119.991	34.18	-112.62	-78.44	-36.00	42.44	PK	Vertical	ERP
5	143.986	33.17	-114.31	-81.14	-36.00	45.14	PK	Vertical	ERP
6	612.554	28.34	-102.57	-74.23	-54.00	20.23	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:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	TX BLE2M 2478MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
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Memo:	Sample Numble:S25091616-015 Power Setting:10		

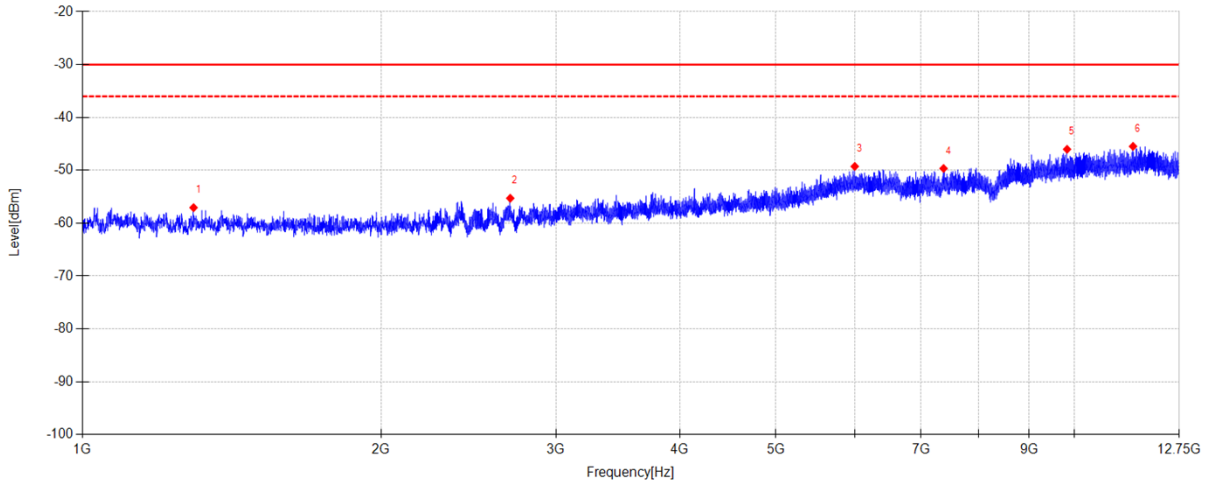


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1608.063	47.55	-104.60	-57.05	**-30.00**	27.05	PK	Horizontal	EIRP
2	4956.323	46.35	-98.46	-52.11	**-30.00**	22.11	PK	Horizontal	EIRP
3	6307.573	44.97	-94.29	-49.32	**-30.00**	19.32	PK	Horizontal	EIRP
4	7714.146	44.41	-93.80	-49.39	**-30.00**	19.39	PK	Horizontal	EIRP
5	9753.260	43.04	-89.21	-46.17	**-30.00**	16.17	PK	Horizontal	EIRP
6	12584.031	42.64	-88.43	-45.79	**-30.00**	15.79	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:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	TX BLE2M 2478MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Above 1G BLE\18		
Memo:	Sample Numble:S25091616-015 Power Setting:10		

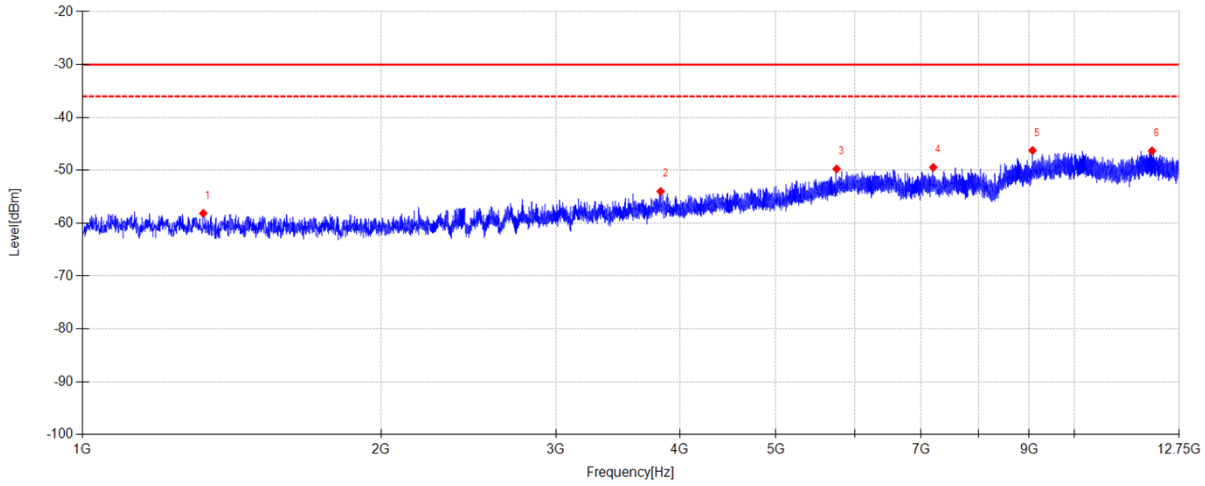


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1294.240	47.11	-104.17	-57.06	**-30.00**	27.06	PK	Vertical	EIRP
2	2698.854	47.89	-103.18	-55.29	**-30.00**	25.29	PK	Vertical	EIRP
3	6003.542	44.81	-94.08	-49.27	**-30.00**	19.27	PK	Vertical	EIRP
4	7378.292	44.51	-94.16	-49.65	**-30.00**	19.65	PK	Vertical	EIRP
5	9827.188	43.62	-89.64	-46.02	**-30.00**	16.02	PK	Vertical	EIRP
6	11451.625	42.51	-87.98	-45.47	**-30.00**	15.47	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:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	TX BLE2M 2404MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Above 1G BLE\19		
Memo:	Sample Numble:S25091616-015 Power Setting:10		

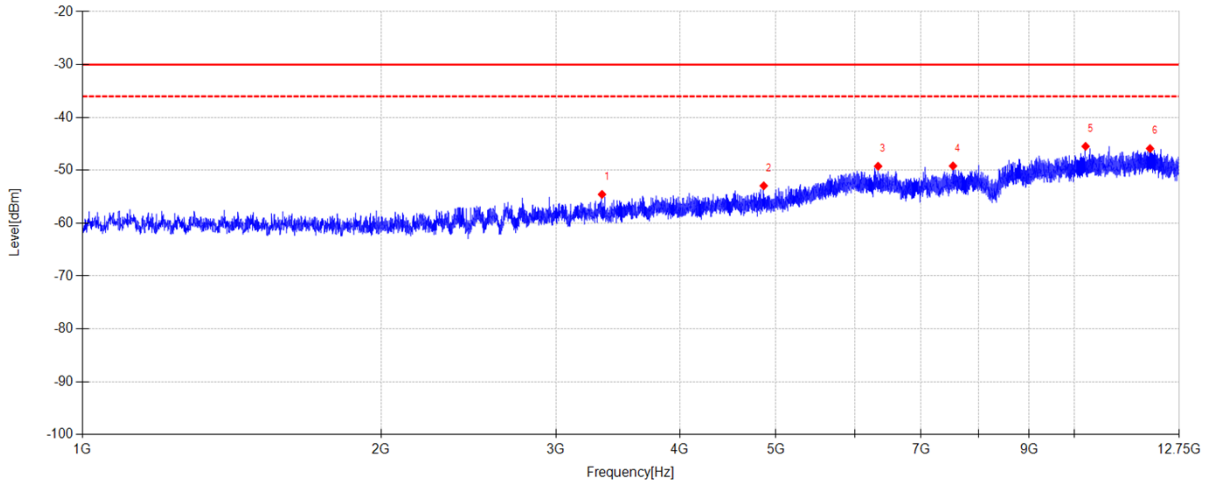


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1323.615	46.39	-104.53	-58.14	**-30.00**	28.14	PK	Horizontal	EIRP
2	3826.365	47.37	-101.36	-53.99	**-30.00**	23.99	PK	Horizontal	EIRP
3	5756.302	45.40	-95.14	-49.74	**-30.00**	19.74	PK	Horizontal	EIRP
4	7203.510	44.99	-94.44	-49.45	**-30.00**	19.45	PK	Horizontal	EIRP
5	9069.802	43.38	-89.62	-46.24	**-30.00**	16.24	PK	Horizontal	EIRP
6	11970.094	42.15	-88.47	-46.32	**-30.00**	16.32	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:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	TX BLE2M 2404MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Above 1G BLE\20		
Memo:	Sample Numble:S25091616-015 Power Setting:10		

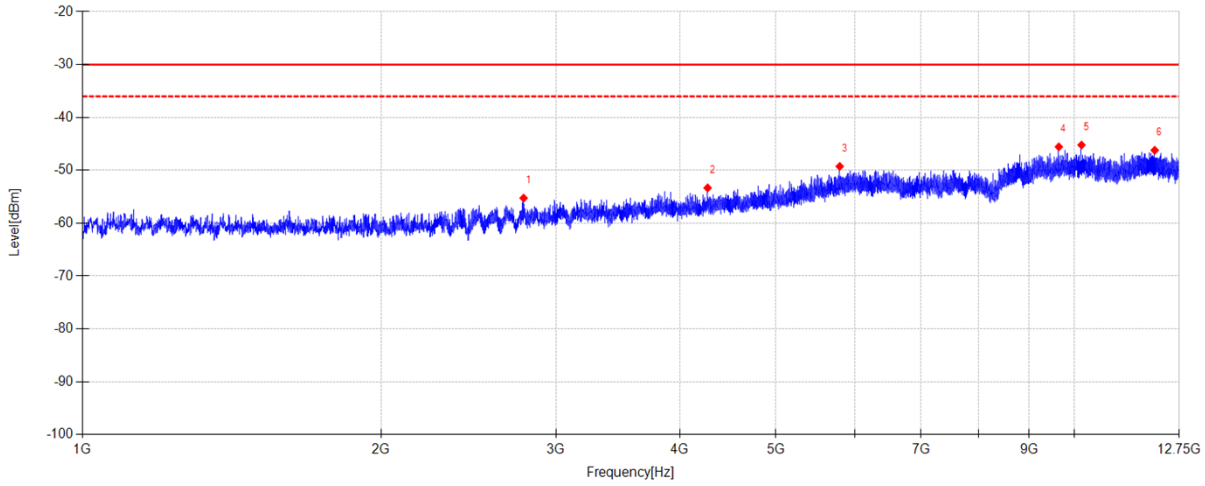


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	3339.719	47.57	-102.13	-54.56	**-30.00**	24.56	PK	Vertical	EIRP
2	4860.854	46.23	-99.16	-52.93	**-30.00**	22.93	PK	Vertical	EIRP
3	6337.438	45.11	-94.34	-49.23	**-30.00**	19.23	PK	Vertical	EIRP
4	7541.323	44.68	-93.86	-49.18	**-30.00**	19.18	PK	Vertical	EIRP
5	10258.510	43.69	-89.16	-45.47	**-30.00**	15.47	PK	Vertical	EIRP
6	11913.302	42.02	-87.91	-45.89	**-30.00**	15.89	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:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	TX BLE1M 2402MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Above 1G BLE\21		
Memo:	Sample Numble:S25091616-015 Power Setting:10		

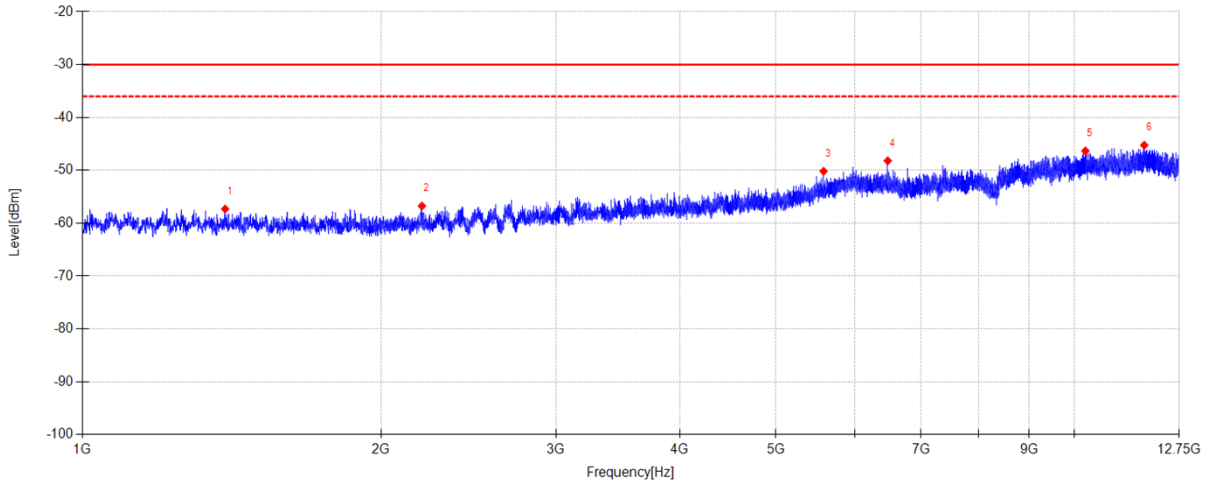


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	2784.042	47.87	-103.13	-55.26	**-30.00**	25.26	PK	Horizontal	EIRP
2	4266.990	47.03	-100.36	-53.33	**-30.00**	23.33	PK	Horizontal	EIRP
3	5797.427	45.69	-94.96	-49.27	**-30.00**	19.27	PK	Horizontal	EIRP
4	9640.656	43.71	-89.27	-45.56	**-30.00**	15.56	PK	Horizontal	EIRP
5	10162.063	43.90	-89.11	-45.21	**-30.00**	15.21	PK	Horizontal	EIRP
6	12043.042	42.23	-88.44	-46.21	**-30.00**	16.21	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:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	TX BLE1M 2402MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Above 1G BLE\22		
Memo:	Sample Numble:S25091616-015 Power Setting:10		

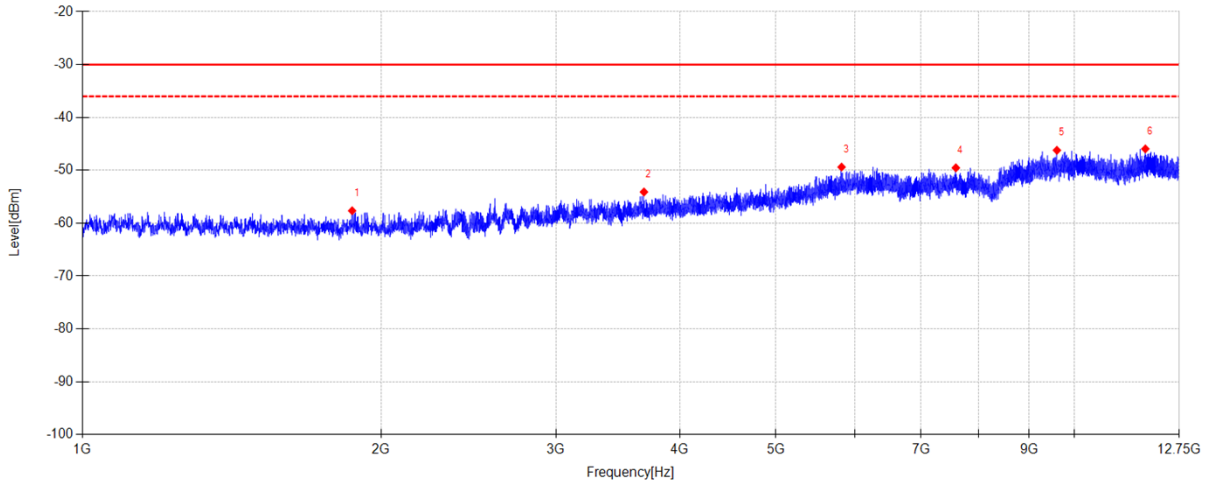


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1392.646	46.89	-104.21	-57.32	**-30.00**	27.32	PK	Vertical	EIRP
2	2198.990	47.33	-104.08	-56.75	**-30.00**	26.75	PK	Vertical	EIRP
3	5584.948	45.87	-96.05	-50.18	**-30.00**	20.18	PK	Vertical	EIRP
4	6481.375	46.23	-94.44	-48.21	**-30.00**	18.21	PK	Vertical	EIRP
5	10253.125	42.84	-89.17	-46.33	**-30.00**	16.33	PK	Vertical	EIRP
6	11755.167	42.69	-87.94	-45.25	**-30.00**	15.25	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:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	TX BLE1M 2480MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Above 1G BLE\23		
Memo:	Sample Numble:S25091616-015 Power Setting:10		

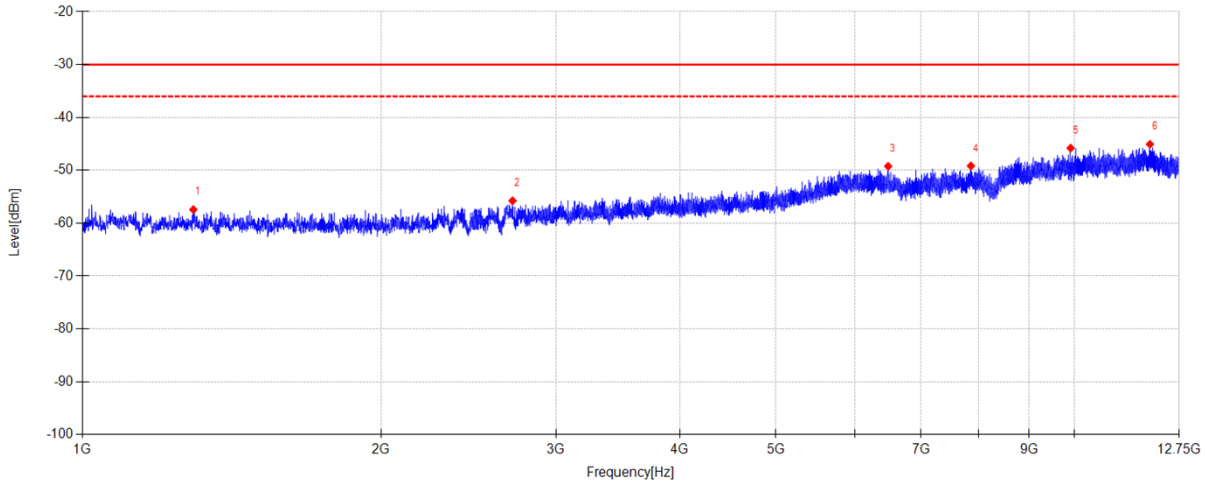


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1869.990	47.02	-104.67	-57.65	**-30.00**	27.65	PK	Horizontal	EIRP
2	3680.958	47.50	-101.60	-54.10	**-30.00**	24.10	PK	Horizontal	EIRP
3	5822.885	45.49	-94.87	-49.38	**-30.00**	19.38	PK	Horizontal	EIRP
4	7591.260	44.41	-93.95	-49.54	**-30.00**	19.54	PK	Horizontal	EIRP
5	9597.573	43.10	-89.31	-46.21	**-30.00**	16.21	PK	Horizontal	EIRP
6	11784.052	42.70	-88.65	-45.95	**-30.00**	15.95	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:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	TX BLE1M 2480MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Above 1G BLE\24		
Memo:	Sample Numble:S25091616-015 Power Setting:10		



Suspected Data List

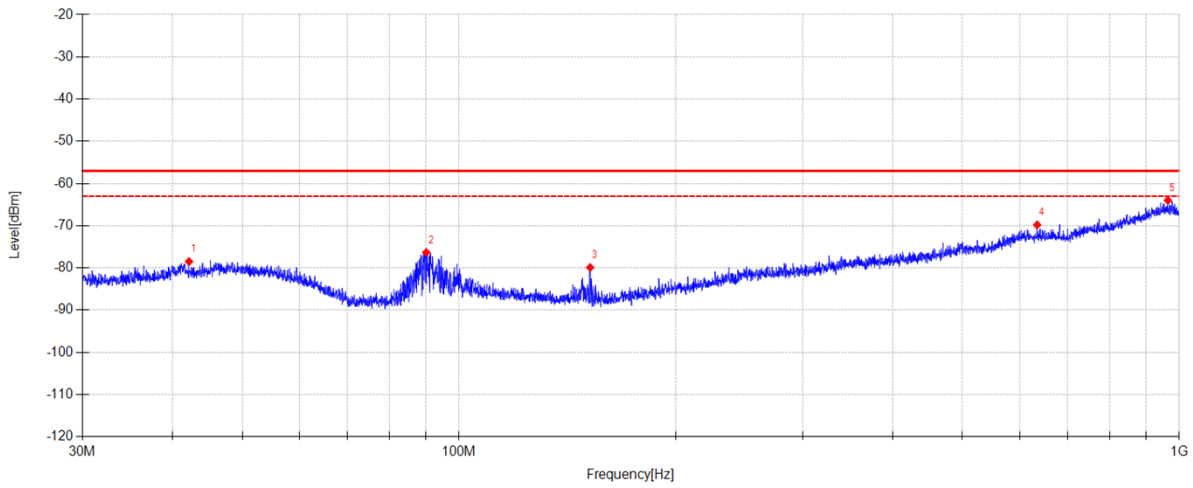
NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1293.750	46.74	-104.17	-57.43	**-30.00**	27.43	PK	Vertical	EIRP
2	2713.542	47.37	-103.14	-55.77	**-30.00**	25.77	PK	Vertical	EIRP
3	6487.740	45.21	-94.45	-49.24	**-30.00**	19.24	PK	Vertical	EIRP
4	7862.000	44.11	-93.28	-49.17	**-30.00**	19.17	PK	Vertical	EIRP
5	9908.458	43.79	-89.60	-45.81	**-30.00**	15.81	PK	Vertical	EIRP
6	11909.875	42.85	-87.92	-45.07	**-30.00**	15.07	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.

6 Appendix B.6 : Receiver spurious emissions

Note: The EUT without antenna connectors.

Test Date:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	RX BLE2M 2404MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Below 1G BLE\17		
Memo:	Sample Numble:S25091616-015		

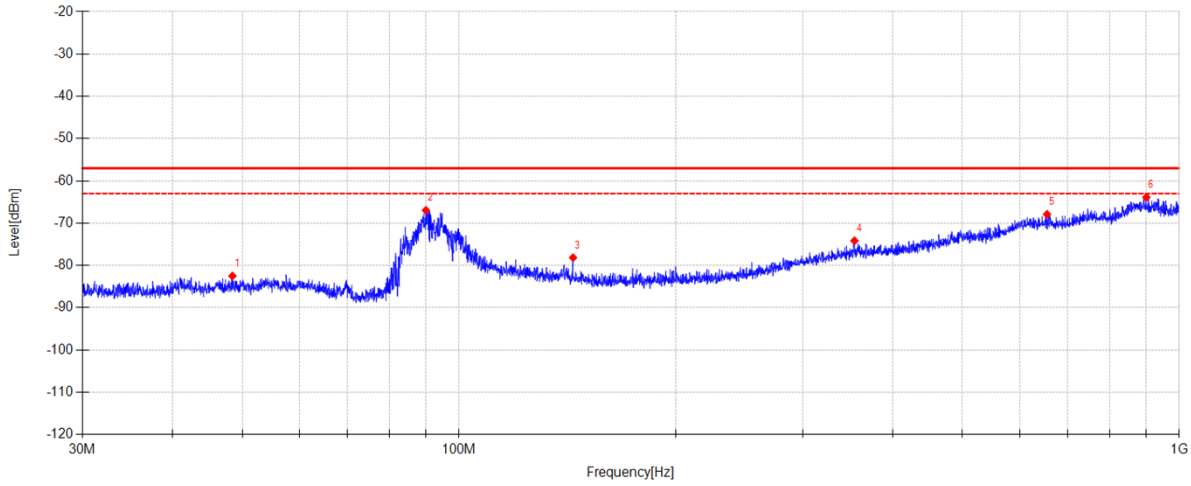


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	42.181	33.64	-112.12	-78.48	-57.00	21.48	PK	Horizontal	ERP
2	90.074	41.52	-117.86	-76.34	-57.00	19.34	PK	Horizontal	ERP
3	152.080	39.33	-119.22	-79.89	-57.00	22.89	PK	Horizontal	ERP
4	634.855	34.90	-104.69	-69.79	-57.00	12.79	PK	Horizontal	ERP
5	964.196	35.06	-99.06	-64.00	-57.00	7.00	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:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	RX BLE2M 2404MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Below 1G BLE\18		
Memo:	Sample Numble:S25091616-015		

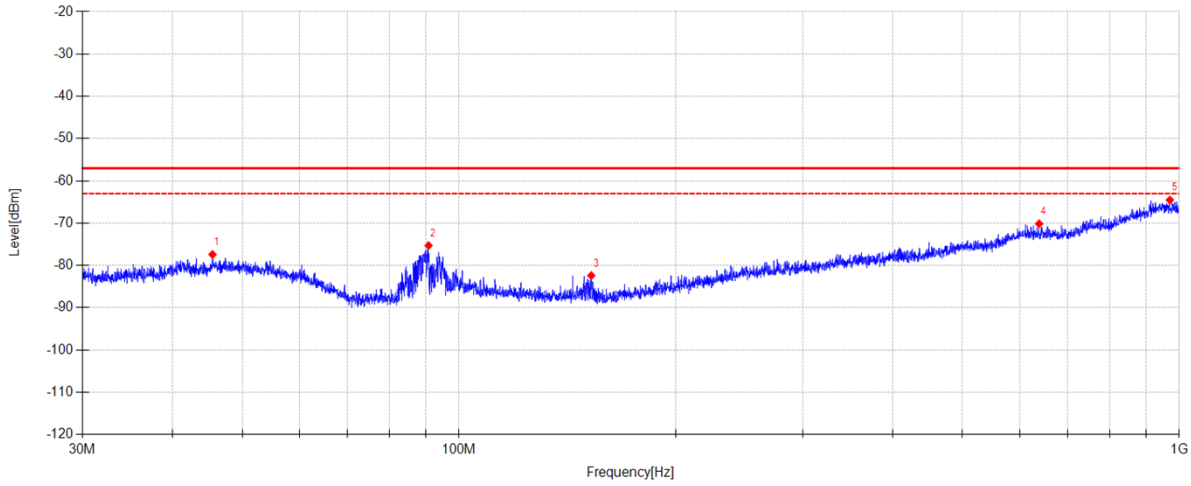


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	48.463	33.57	-116.06	-82.49	-57.00	25.49	PK	Vertical	ERP
2	89.948	46.13	-113.09	-66.96	-57.00	9.96	PK	Vertical	ERP
3	143.986	36.16	-114.31	-78.15	-57.00	21.15	PK	Vertical	ERP
4	354.008	34.04	-108.21	-74.17	-57.00	17.17	PK	Vertical	ERP
5	655.206	34.25	-102.15	-67.90	-57.00	10.90	PK	Vertical	ERP
6	900.166	32.64	-96.52	-63.88	-57.00	6.88	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:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	RX BLE2M 2478MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Below 1G BLE\19		
Memo:	Sample Numble:S25091616-015		

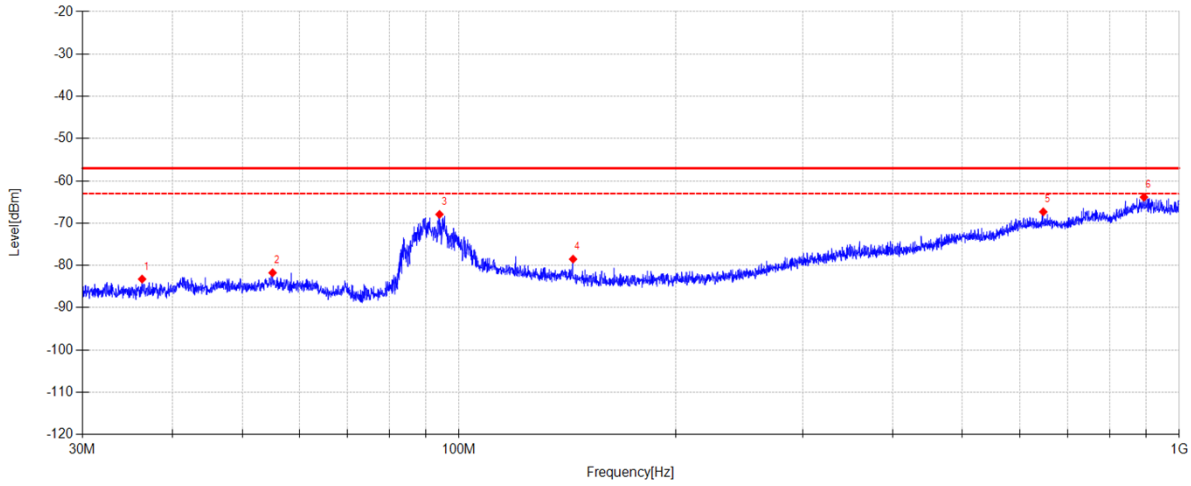


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	45.467	34.29	-111.70	-77.41	-57.00	20.41	PK	Horizontal	ERP
2	90.708	42.46	-117.75	-75.29	-57.00	18.29	PK	Horizontal	ERP
3	152.614	36.79	-119.18	-82.39	-57.00	25.39	PK	Horizontal	ERP
4	638.874	34.52	-104.67	-70.15	-57.00	13.15	PK	Horizontal	ERP
5	970.300	34.65	-99.17	-64.52	-57.00	7.52	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:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	RX BLE2M 2478MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Below 1G BLE\20		
Memo:	Sample Numble:S25091616-015		

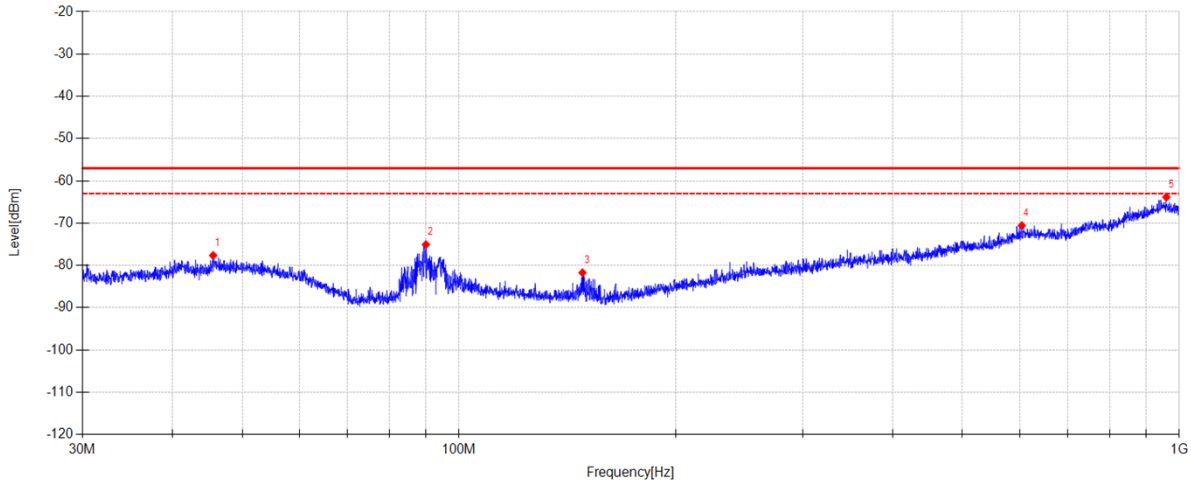


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	36.304	33.97	-117.20	-83.23	-57.00	26.23	PK	Vertical	ERP
2	55.098	34.14	-115.88	-81.74	-57.00	24.74	PK	Vertical	ERP
3	93.945	44.41	-112.34	-67.93	-57.00	10.93	PK	Vertical	ERP
4	143.986	35.80	-114.31	-78.51	-57.00	21.51	PK	Vertical	ERP
5	647.442	34.82	-102.15	-67.33	-57.00	10.33	PK	Vertical	ERP
6	893.250	33.10	-96.95	-63.85	-57.00	6.85	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:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	RX BLE1M 2402MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Below 1G BLE\21		
Memo:	Sample Numble:S25091616-015		

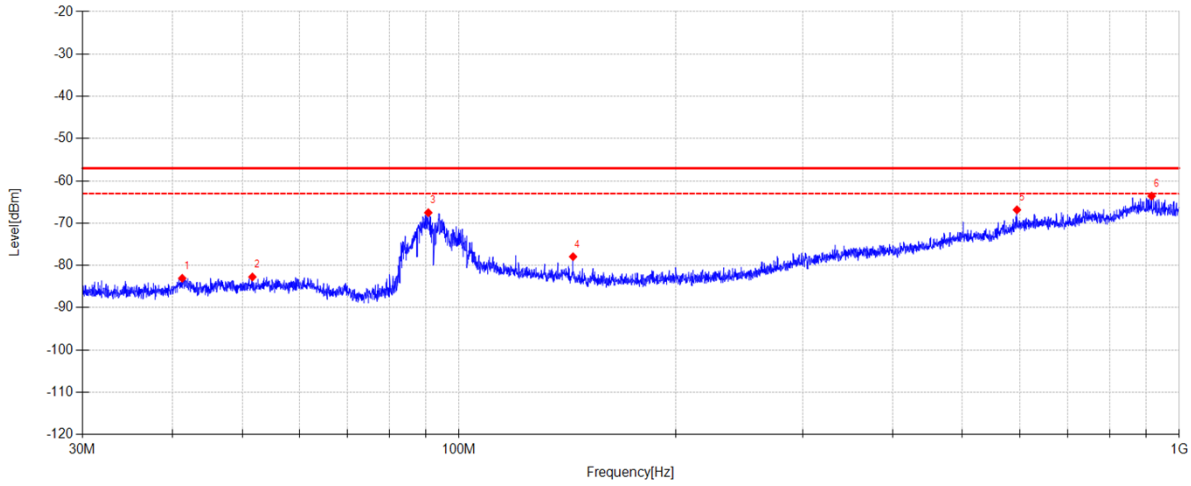


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	45.563	34.05	-111.69	-77.64	-57.00	20.64	PK	Horizontal	ERP
2	89.948	42.81	-117.87	-75.06	-57.00	18.06	PK	Horizontal	ERP
3	148.394	37.53	-119.25	-81.72	-57.00	24.72	PK	Horizontal	ERP
4	604.447	34.26	-104.83	-70.57	-57.00	13.57	PK	Horizontal	ERP
5	959.475	35.12	-98.98	-63.86	-57.00	6.86	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:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	RX BLE1M 2402MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Below 1G BLE\22		
Memo:	Sample Numble:S25091616-015		

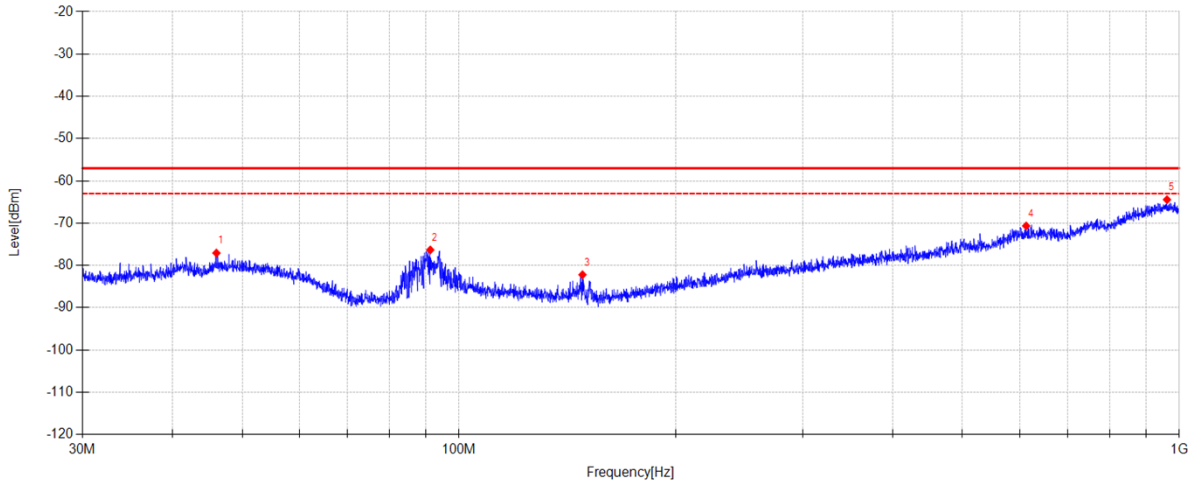


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	41.274	33.66	-116.69	-83.03	-57.00	26.03	PK	Vertical	ERP
2	51.656	33.19	-115.91	-82.72	-57.00	25.72	PK	Vertical	ERP
3	90.644	45.43	-112.95	-67.52	-57.00	10.52	PK	Vertical	ERP
4	143.986	36.38	-114.31	-77.93	-57.00	20.93	PK	Vertical	ERP
5	595.195	36.10	-102.95	-66.85	-57.00	9.85	PK	Vertical	ERP
6	915.443	33.12	-96.72	-63.60	-57.00	6.60	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:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	RX BLE1M 2480MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Below 1G BLE\23		
Memo:	Sample Numble:S25091616-015		

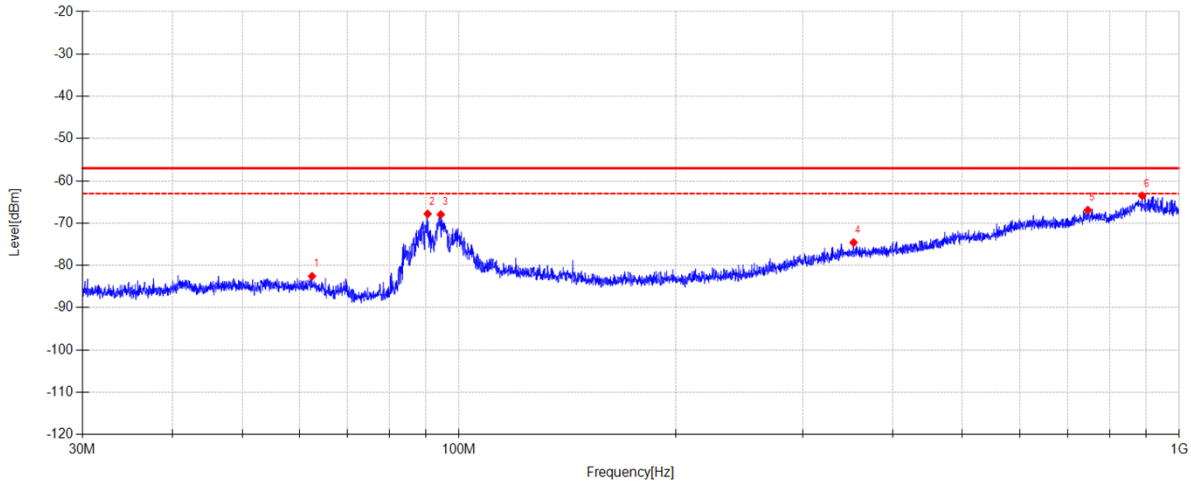


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	46.045	34.55	-111.62	-77.07	-57.00	20.07	PK	Horizontal	ERP
2	91.218	41.33	-117.66	-76.33	-57.00	19.33	PK	Horizontal	ERP
3	148.394	37.05	-119.25	-82.20	-57.00	25.20	PK	Horizontal	ERP
4	612.983	34.13	-104.79	-70.66	-57.00	13.66	PK	Horizontal	ERP
5	961.495	34.57	-99.02	-64.45	-57.00	7.45	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:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	RX BLE1M 2480MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Below 1G BLE\24		
Memo:	Sample Numble:S25091616-015		

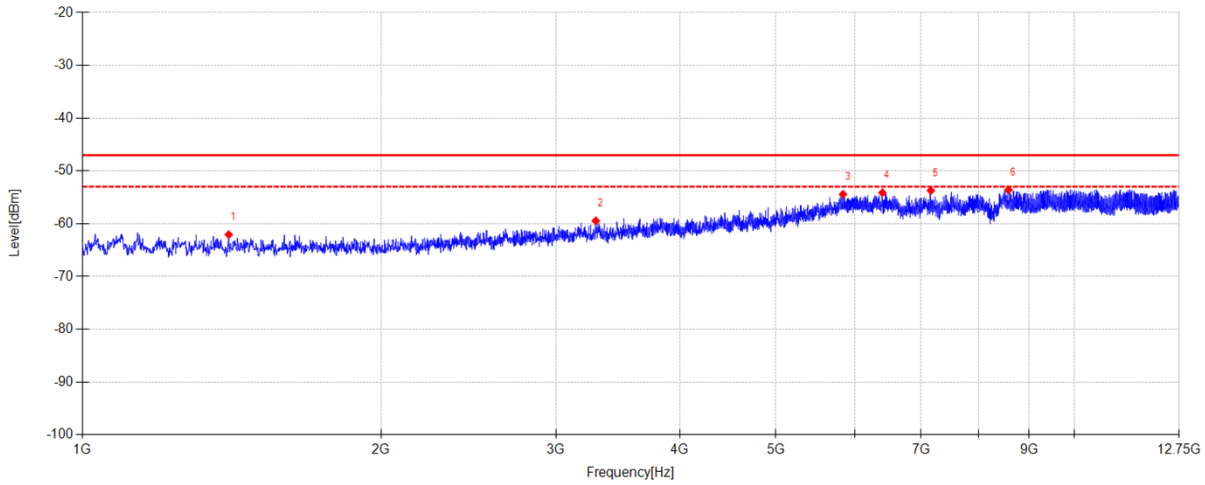


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	62.510	34.02	-116.58	-82.56	-57.00	25.56	PK	Vertical	ERP
2	90.454	45.18	-112.99	-67.81	-57.00	10.81	PK	Vertical	ERP
3	94.341	44.31	-112.27	-67.96	-57.00	10.96	PK	Vertical	ERP
4	353.017	33.63	-108.21	-74.58	-57.00	17.58	PK	Vertical	ERP
5	746.479	33.88	-100.81	-66.93	-57.00	9.93	PK	Vertical	ERP
6	888.254	33.75	-97.27	-63.52	-57.00	6.52	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:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	RX BLE1M 2480MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Above 1G BLE\25		
Memo:	Sample Numble:S25091616-015		

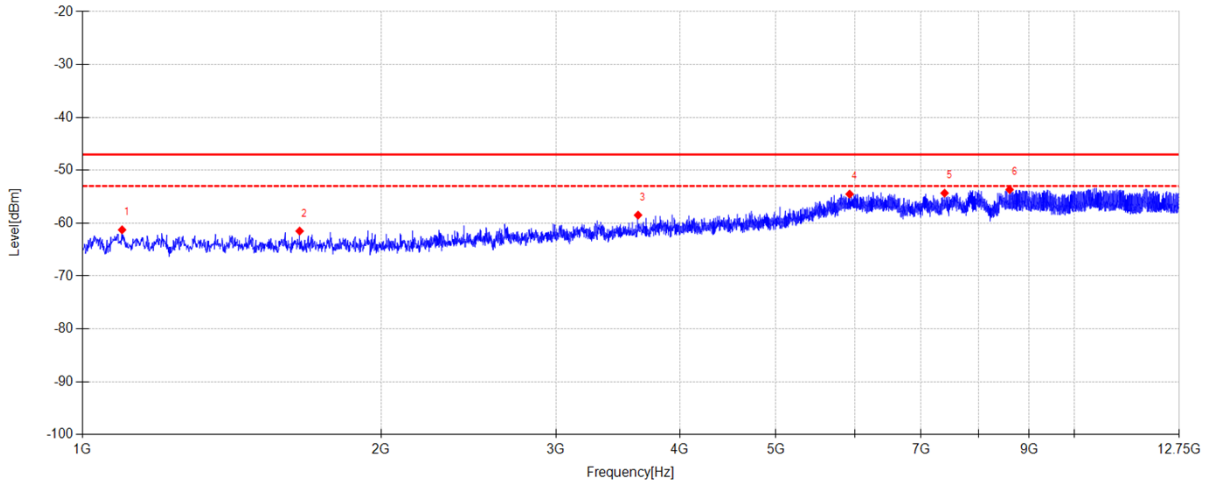


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1404.200	42.49	-104.55	-62.06	**-47.00**	15.06	PK	Horizontal	EIRP
2	3291.250	42.78	-102.23	-59.45	**-47.00**	12.45	PK	Horizontal	EIRP
3	5842.175	40.36	-94.78	-54.42	**-47.00**	7.42	PK	Horizontal	EIRP
4	6401.475	40.22	-94.34	-54.12	**-47.00**	7.12	PK	Horizontal	EIRP
5	7162.875	40.77	-94.48	-53.71	**-47.00**	6.71	PK	Horizontal	EIRP
6	8577.575	37.66	-91.26	-53.60	**-47.00**	6.60	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:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	RX BLE1M 2480MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Above 1G BLE\26		
Memo:	Sample Numble:S25091616-015		

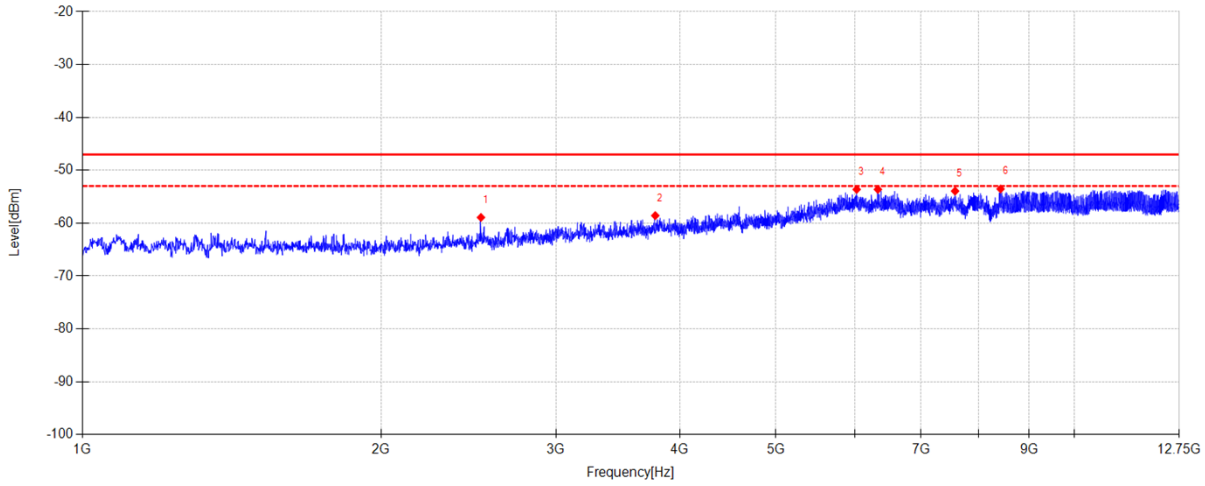


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1096.350	42.83	-104.09	-61.26	**-47.00**	14.26	PK	Vertical	EIRP
2	1655.650	42.81	-104.31	-61.50	**-47.00**	14.50	PK	Vertical	EIRP
3	3630.825	43.20	-101.68	-58.48	**-47.00**	11.48	PK	Vertical	EIRP
4	5932.650	39.88	-94.39	-54.51	**-47.00**	7.51	PK	Vertical	EIRP
5	7395.525	39.80	-94.12	-54.32	**-47.00**	7.32	PK	Vertical	EIRP
6	8599.900	37.56	-91.21	-53.65	**-47.00**	6.65	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:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	RX BLE1M 2402MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Above 1G BLE\27		
Memo:	Sample Numble:S25091616-015		

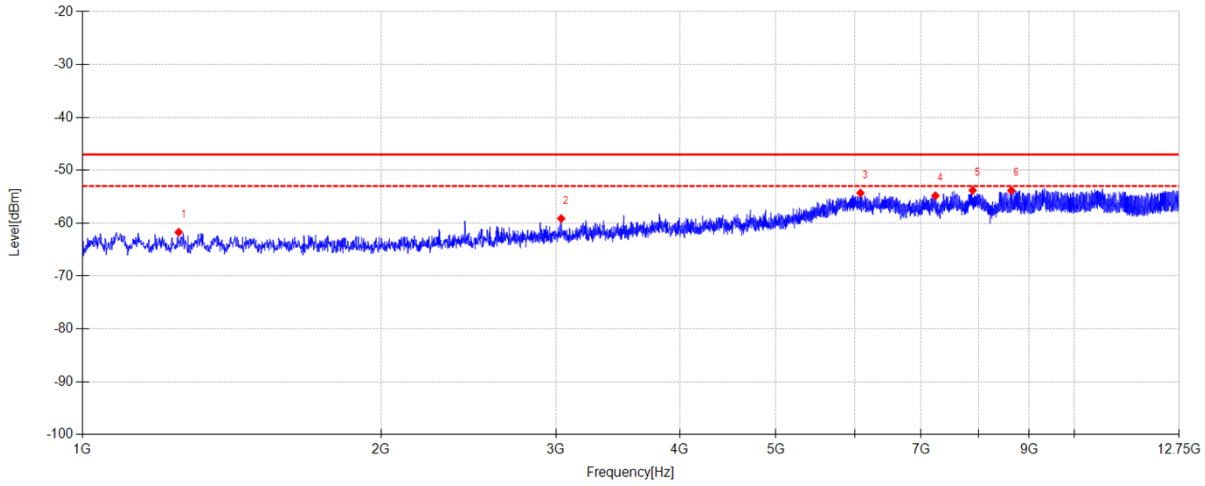


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	2521.625	44.73	-103.65	-58.92	**-47.00**	11.92	PK	Horizontal	EIRP
2	3778.875	42.86	-101.44	-58.58	**-47.00**	11.58	PK	Horizontal	EIRP
3	6030.175	40.51	-94.13	-53.62	**-47.00**	6.62	PK	Horizontal	EIRP
4	6334.500	40.69	-94.30	-53.61	**-47.00**	6.61	PK	Horizontal	EIRP
5	7577.650	40.04	-93.97	-53.93	**-47.00**	6.93	PK	Horizontal	EIRP
6	8421.300	38.31	-91.84	-53.53	**-47.00**	6.53	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:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	RX BLE1M 2402MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Above 1G BLE\28		
Memo:	Sample Numble:S25091616-015		

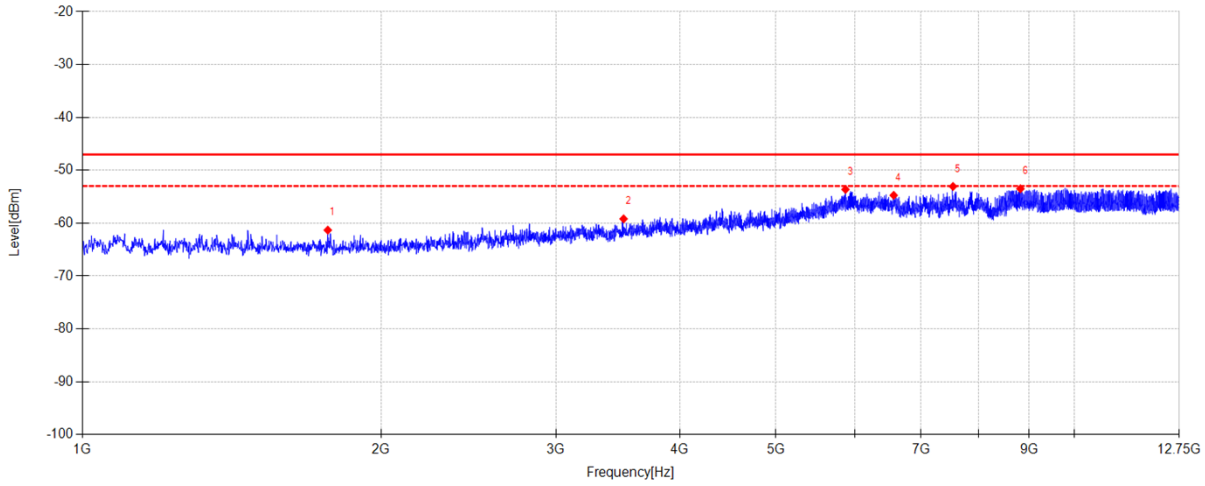


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1250.275	42.44	-104.15	-61.71	**-47.00**	14.71	PK	Vertical	EIRP
2	3037.450	43.44	-102.57	-59.13	**-47.00**	12.13	PK	Vertical	EIRP
3	6084.225	39.85	-94.15	-54.30	**-47.00**	7.30	PK	Vertical	EIRP
4	7240.425	39.60	-94.41	-54.81	**-47.00**	7.81	PK	Vertical	EIRP
5	7893.725	39.43	-93.22	-53.79	**-47.00**	6.79	PK	Vertical	EIRP
6	8635.150	37.28	-91.10	-53.82	**-47.00**	6.82	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:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	RX BLE2M 2478MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Above 1G BLE\29		
Memo:	Sample Numble:S25091616-015		

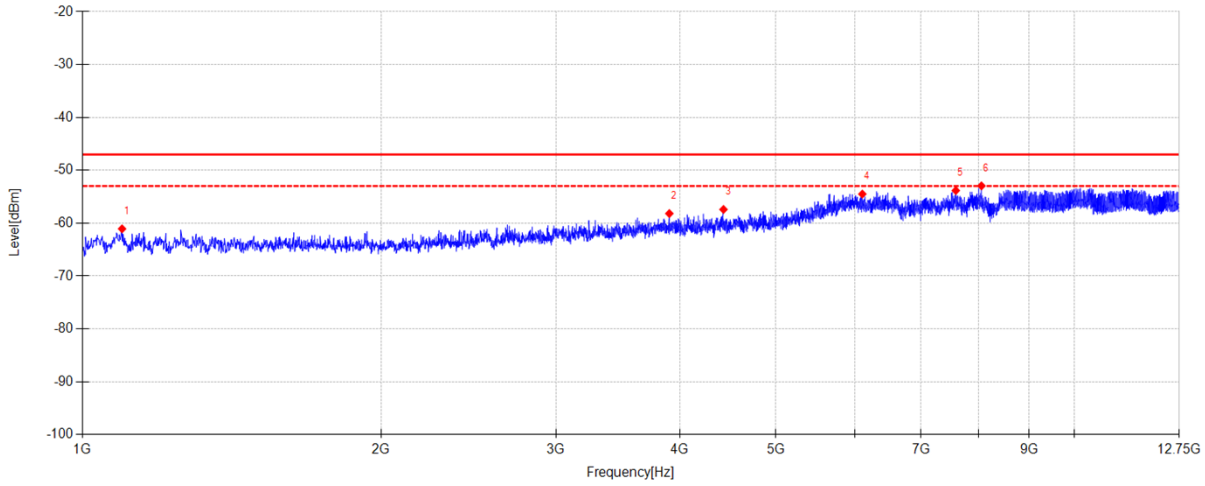


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1767.275	43.32	-104.64	-61.32	**-47.00**	14.32	PK	Horizontal	EIRP
2	3510.975	42.67	-101.86	-59.19	**-47.00**	12.19	PK	Horizontal	EIRP
3	5876.250	41.00	-94.63	-53.63	**-47.00**	6.63	PK	Horizontal	EIRP
4	6571.850	39.71	-94.44	-54.73	**-47.00**	7.73	PK	Horizontal	EIRP
5	7541.225	40.96	-94.02	-53.06	**-47.00**	6.06	PK	Horizontal	EIRP
6	8818.450	36.86	-90.35	-53.49	**-47.00**	6.49	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:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	RX BLE2M 2478MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Above 1G BLE\30		
Memo:	Sample Numble:S25091616-015		

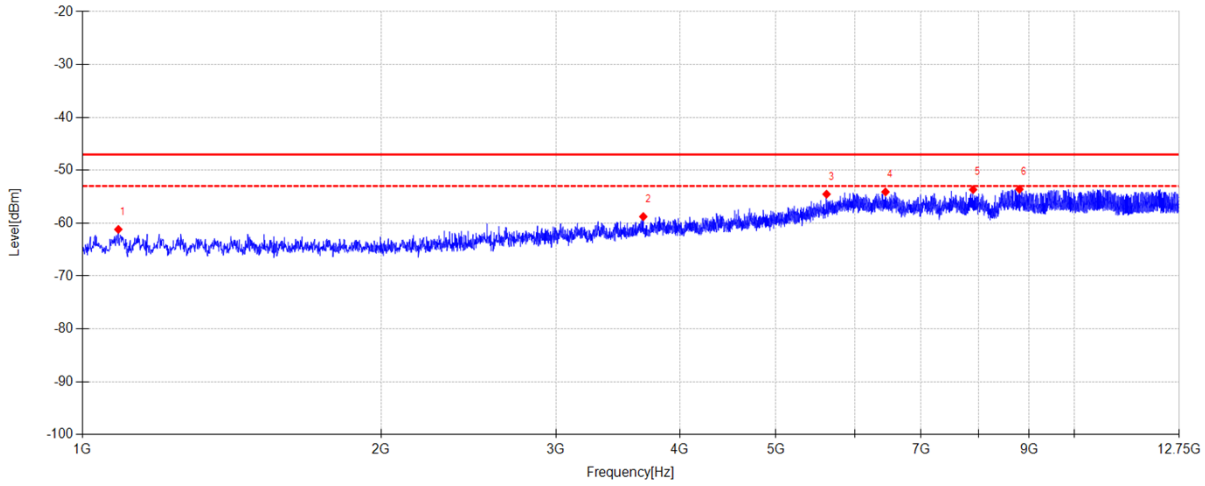


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1096.350	43.02	-104.09	-61.07	**-47.00**	14.07	PK	Vertical	EIRP
2	3904.600	43.08	-101.26	-58.18	**-47.00**	11.18	PK	Vertical	EIRP
3	4427.475	42.73	-100.14	-57.41	**-47.00**	10.41	PK	Vertical	EIRP
4	6110.075	39.67	-94.16	-54.49	**-47.00**	7.49	PK	Vertical	EIRP
5	7590.575	39.94	-93.77	-53.83	**-47.00**	6.83	PK	Vertical	EIRP
6	8055.875	39.91	-92.85	-52.94	**-47.00**	5.94	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:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	RX BLE2M 2404MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Above 1G BLE\31		
Memo:	Sample Numble:S25091616-015		

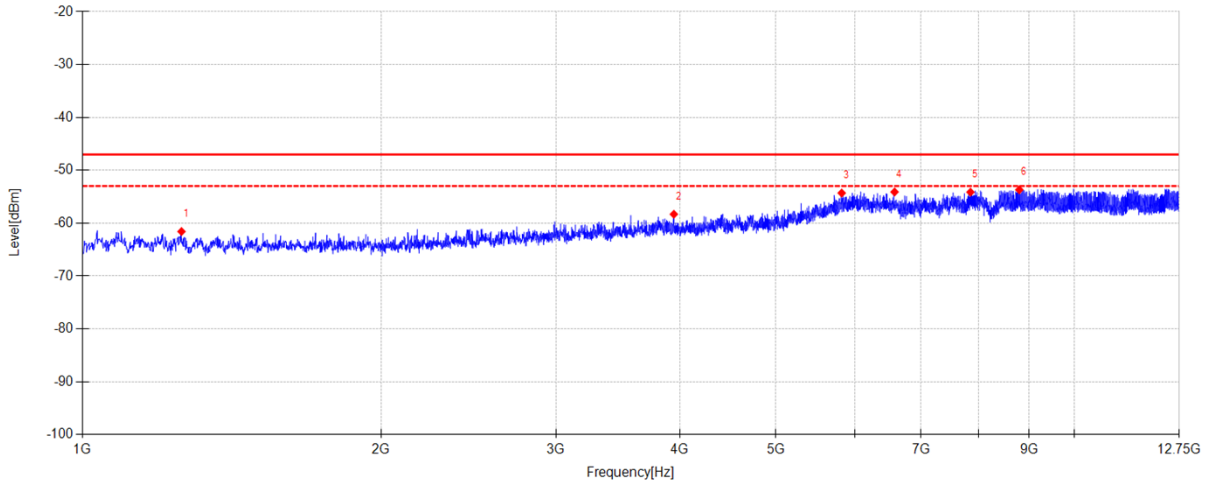


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1086.950	43.29	-104.47	-61.18	**-47.00**	14.18	PK	Horizontal	EIRP
2	3675.475	42.85	-101.61	-58.76	**-47.00**	11.76	PK	Horizontal	EIRP
3	5623.625	41.19	-95.71	-54.52	**-47.00**	7.52	PK	Horizontal	EIRP
4	6447.300	40.28	-94.37	-54.09	**-47.00**	7.09	PK	Horizontal	EIRP
5	7901.950	39.90	-93.56	-53.66	**-47.00**	6.66	PK	Horizontal	EIRP
6	8798.475	36.84	-90.42	-53.58	**-47.00**	6.58	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:	2025-11-26	**Tested By**:	Li Xiongbin
EUT:	Powered Bookshelf Speaker	**Model Number**:	EDF100102
Test Mode:	RX BLE2M 2404MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:21.4°C;Humi:43.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25091616-1E\CE Above 1G BLE\32		
Memo:	Sample Numble:S25091616-015		



Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1258.500	42.58	-104.16	-61.58	**-47.00**	14.58	PK	Vertical	EIRP
2	3945.725	42.90	-101.21	-58.31	**-47.00**	11.31	PK	Vertical	EIRP
3	5824.550	40.62	-94.92	-54.30	**-47.00**	7.30	PK	Vertical	EIRP
4	6584.775	40.43	-94.53	-54.10	**-47.00**	7.10	PK	Vertical	EIRP
5	7853.775	39.16	-93.29	-54.13	**-47.00**	7.13	PK	Vertical	EIRP
6	8796.125	36.92	-90.61	-53.69	**-47.00**	6.69	PK	Vertical	EIRP

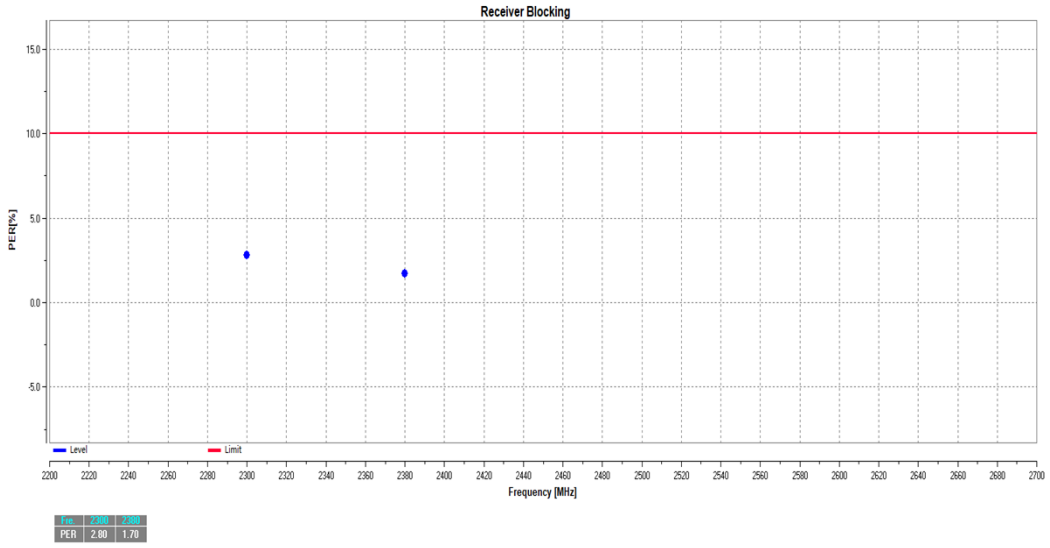
Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

7 Appendix B.7: Receiver Blocking

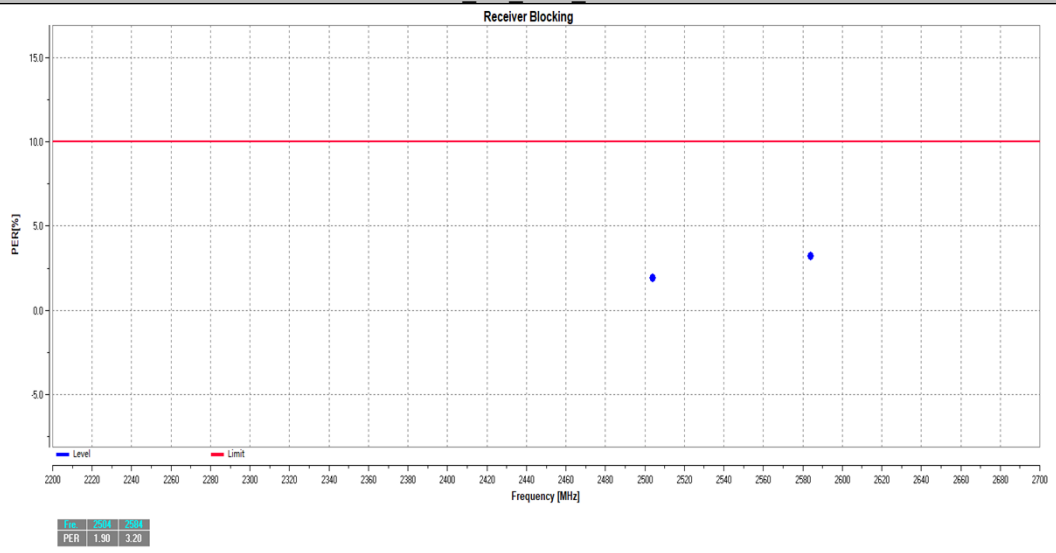
Note: The EUT is category 2 receiver.

TestMode	Antenna	Frequency[MHz]	Pmin [dBm]	Wanted signal [dBm]	Freq. [MHz]	CW [dBm]	PER [%]	Limit [%]	Verdict
BLE_1M	Ant1	2402	---	-66.23	2300	-31.41	2.80	≤10	PASS
			---	-66.23	2380	-31.41	1.70	≤10	PASS
		2480	---	-56.22	2504	-31.41	1.90	≤10	PASS
			---	-56.22	2584	-31.41	3.20	≤10	PASS
BLE_2M	Ant1	2404	---	-63.29	2300	-31.41	3.90	≤10	PASS
			---	-63.29	2380	-31.41	2.60	≤10	PASS
		2478	---	-53.28	2504	-31.41	2.70	≤10	PASS
			---	-53.28	2584	-31.41	3.20	≤10	PASS

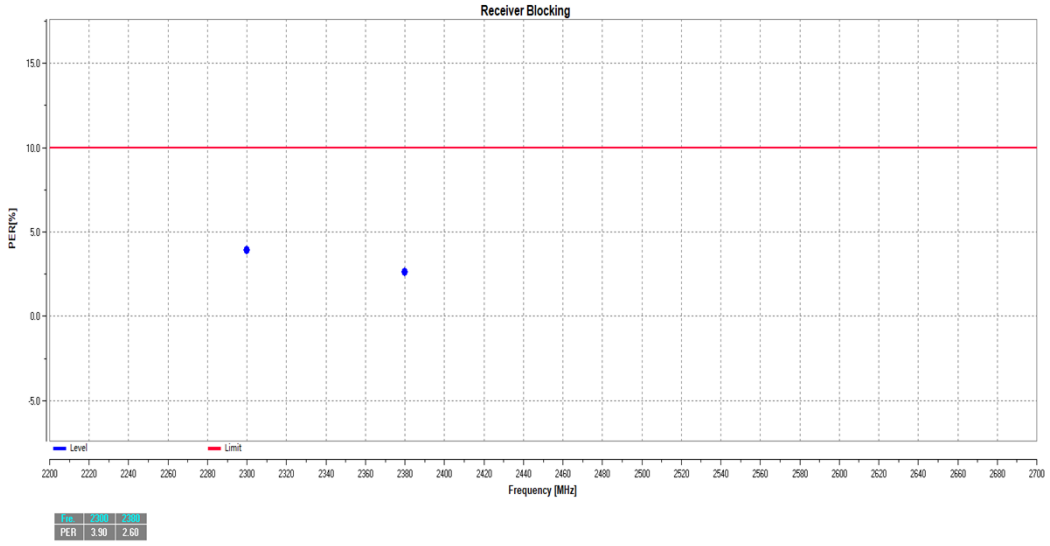
BLE_1M_Ant1_2402



BLE_1M_Ant1_2480

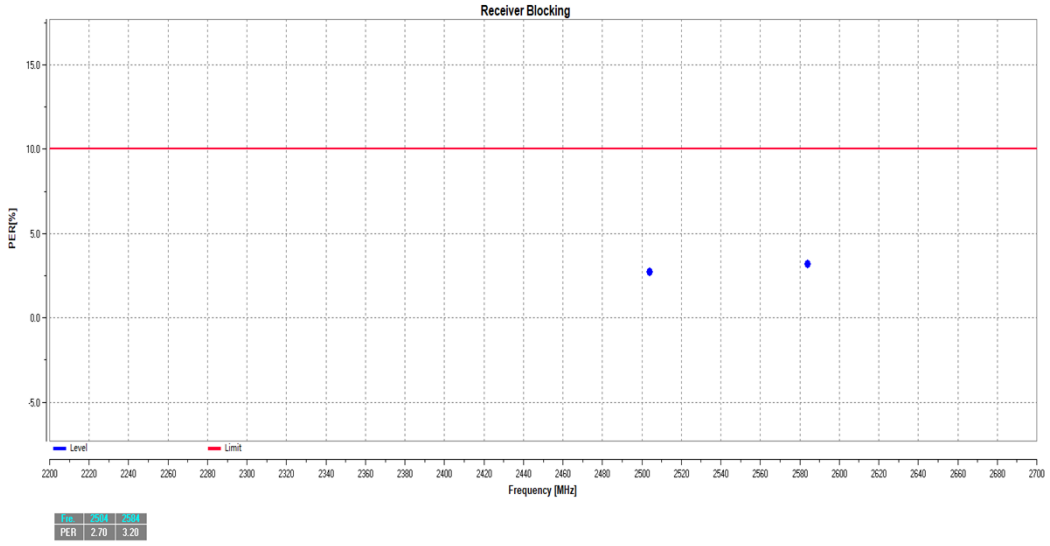


BLE_2M_Ant1_2404



Fre.	2380	2480
PER	3.90	2.60

BLE_2M_Ant1_2478



Fre.	2504	2580
PER	2.70	3.20