Prüfbericht-Nr.: *Test report no.:*	**CN25M5LR 001**	**Auftrags-Nr.:** *Order no.:*	168545175	Seite 1 von 28 *Page 1 of 28*
Kunden-Referenz-Nr.: *Client reference no.:*	N/A	**Auftragsdatum:** *Order date:*	2025-01-14	
Auftraggeber: *Client:*	**Edifier International Limited** P.O. Box 6264 General Post Office, Hong Kong			
Prüfgegenstand: *Test item:*	Studio Monitor			
Bezeichnung / Typ-Nr.: *Identification / Type no.:*	EDF100099, MR5 （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:*	2025-01-22
Prüfmuster-Nr.: *Test sample no.:*	S25012008-001 S25011313-001
Prüfzeitraum: *Testing period:*	2025-01-23 - 2025-02-14
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:* 2025-04-15		**Ausstellungsdatum:** *Issue date:* 2025-04-15	
Stellung / Position	Project Manager	**Stellung** / Position	Authorizer

Sonstiges / *Other:*

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

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

* Legende:	P(ass) = entspricht o.g. Prüfgrundlage(n)	F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	N/A = nicht anwendbar	N/T = nicht getestet
** Legend:*	*P(ass) = passed a.m. test specification(s)*	*F(ail) = failed a.m. test specification(s)*	*N/A = not applicable*	*N/T = not tested*

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 Classical Bluetooth.

Appendix B: Test Results of Bluetooth Low Energy.

2 Test Sites

2.1 Test Facilities

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

CNAS No.: L6451

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

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Equipment	Manufacturer	Model No.	Serial Number	Due Date	Cal. Interval
☒ RF Connected Test (RF Measurement System 1#)					
SIGNAL ANALYZER	R&S	FSV40	101407	2025/07/08	1 Year
Wideband Radio Communication Tester	R&S	CMW500	117491	2025/03/31	1 Year
EXG Analog Signal Generator	KEYSIGHT	N5173B	MY62153058	2025/07/08	1 Year
MXG Vector Signal Generator	Agilent	N5182A	MY48180912	2025/03/31	1 Year
RF Control Unit	Tonscend	JS0806-2	20C8060230	2025/03/31	1 Year
TEMP&HUMI Programmable Chamber	ZHIXIANG	ZXGDJS-150L	ZX170110-A	2025/04/22	1 Year
Test Software	Tonscend	JS1120-3	Ver.3.2.22	N/A	N/A

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To	Cal. Interval
RF Cable	N/A	W13.02 AP1-X2	DDT-ZC04023	2025/03/31	1 Year
High Pass filter	Xi'an Xingbo	XBLBQ-GTA67	DDT-ZC02179	2025/04/22	1 Year
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2025/03/31	1 Year
RF cable	Yuhu Technology	JCTB810-NJ-NJ-9M	DDT-ZC02538	2025/03/31	1 Year
Active Loop Antenna	Schwarzbeck	FMZB1519	DDT-ZC00524	2025/09/11	2 Year
High pass filter	Micro-Tronics	HPM50102	DDT-ZC00561	2025/04/22	1 Year
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2025/03/31	1 Year
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	DDT-ZC02050	2025/07/11	1 Year
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/	/
High pass filter	Micro-Tronics	HPM50108	DDT-ZC00560	2025/04/22	1 Year
Hochgewinn-Hornantenne	SCHWARZBECK	BBHA 9120 D	DDT-ZC02129	2025/09/18	2 Year
RF cable	Zhongke Junchuang	JCT26S-NJ-NJ-1.5M	DDT-ZC02762	2025/03/31	1 Year
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/	/
RF Cable	N/A	W24.02 HL-562	DDT-ZC04022	2025/03/31	1 Year
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2025/03/31	1 Year
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2025/04/26	1 Year
RF cable	Yuhu Technology	ZT26S-SMAJ-SMAJ-1M	DDT-ZC02037	2025/03/31	1 Year

2.3 Uncertainty of Measurement

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

Table 2: Maximum Measurement Uncertainty

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

3 General Product Information

3.1 Product Function and Intended Use

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

Two models are identical except the model number different for different market purpose.

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	Studio Monitor
Type Designation	EDF100099, MR5
Trade Mark	EDIFIER
Extreme Temperature Range	0°C - +35°C
Operating Voltage	AC 100-240V, 50/60Hz, 700mA
Technical Specification of Bluetooth (BDR & EDR)	
Operating Frequency Channel	2402 – 2480 MHz
Bluetooth Core Version	6.0
Channel Number	79 channels
Channel separation	1MHz
Modulation	GFSK, π/4DQPSK
Antenna Type	PCB Layout antenna
Antenna Gain	-0.29 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
Bluetooth Core Version	6.0
Data rate	1Mbps, 2Mbps
Channel Number	40 channels for data rate 1Mbps 38 channels for data rate 2Mbps
Channel separation	2MHz
Modulation	GFSK
Antenna Type	PCB Layout antenna
Antenna Gain	-0.29 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 EDF100099.

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	:	2025-01-23 to 2025-02-14
Test voltage	:	AC 230V, 50Hz
Test environment	:	Normal and extreme temperature
Operation mode	:	A.1
Ambient temperature	:	23.9 ℃
Relative humidity	:	45.3 %
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	:	2025-01-23 to 2025-02-14
Test voltage	:	AC 230V, 50Hz
Test environment	:	Normal temperature
Operation mode	:	A.1
Ambient temperature	:	23.9 ℃
Relative humidity	:	45.3 %
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	:	2025-01-23 to 2025-02-14
Test voltage	:	AC 230V, 50Hz
Test environment	:	Normal temperature
Operation mode	:	A.1
Ambient temperature	:	23.9 ℃
Relative humidity	:	45.3 %
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	:	2025-01-23 to 2025-02-14
Test voltage	:	AC 230V, 50Hz
Test environment	:	Normal temperature
Operation mode	:	A.1
Ambient temperature	:	23.9 ℃
Relative humidity	:	45.3 %
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	:	2025-01-23 to 2025-02-14
Test voltage	:	AC 230V, 50Hz
Test environment	:	Normal temperature
Operation mode	:	A.1
Ambient temperature	:	23.9 ℃
Relative humidity	:	45.3 %
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	:	2025-01-23 to 2025-02-14
Test voltage	:	AC 230V, 50Hz
Test environment	:	Normal temperature
Operation mode	:	A.1
Ambient temperature	:	23.9 ℃
Relative humidity	:	45.3 %
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	:	2025-01-23 to 2025-02-14
Test voltage	:	AC 230V, 50Hz
Test environment	:	Normal temperature
Operation mode	:	A.1
Ambient temperature	:	Refer to test data
Relative humidity	:	Refer to test data
Atmospheric pressure	:	101.4 kPa

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

5.2 Receiver Requirement & Test Suites

5.2.1 Receiver Spurious Emissions

RESULT: **Pass**

Test Specification

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

Test Setup

Date of testing	:	2025-01-23 to 2025-02-14
Test voltage	:	AC 230V, 50Hz
Test environment	:	Normal temperature
Operation mode	:	A.2
Ambient temperature	:	Refer to test data
Relative humidity	:	Refer to test data
Atmospheric pressure	:	101.4 kPa

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

5.2.2 Receiver Blocking

RESULT: **Pass**

Test Specification

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

Test Setup

Date of testing	:	2025-01-23 to 2025-02-14
Test voltage	:	AC 230V, 50Hz
Test environment	:	Normal temperature
Operation mode	:	A.2
Ambient temperature	:	23.9 ℃
Relative humidity	:	45.3 %
Atmospheric pressure	:	101.4 kPa

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

For Bluetooth-BDR: the maximum RF output power is 4.88dBm.
For Bluetooth-EDR: the maximum RF output power is 3.98dBm.
For Bluetooth-BLE: the maximum RF output power is 3.42dBm.

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

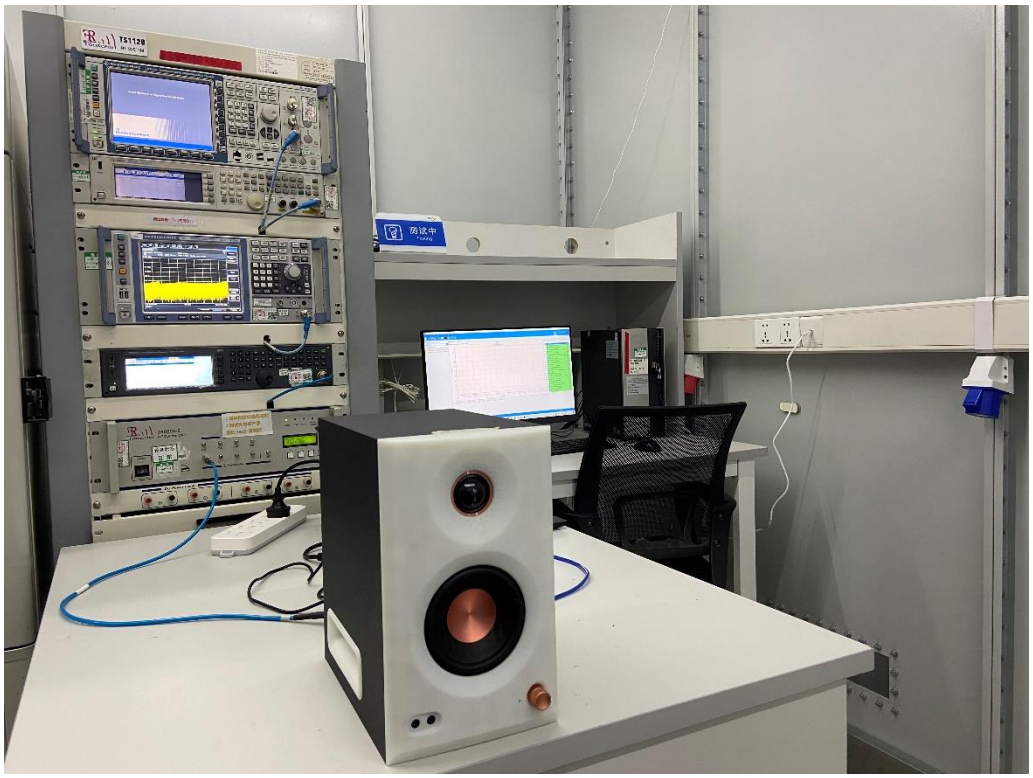
Test standard : EN 62479: 2010

The maximum measured peak power of EUT is only 4.88 dBm (3.076mW).

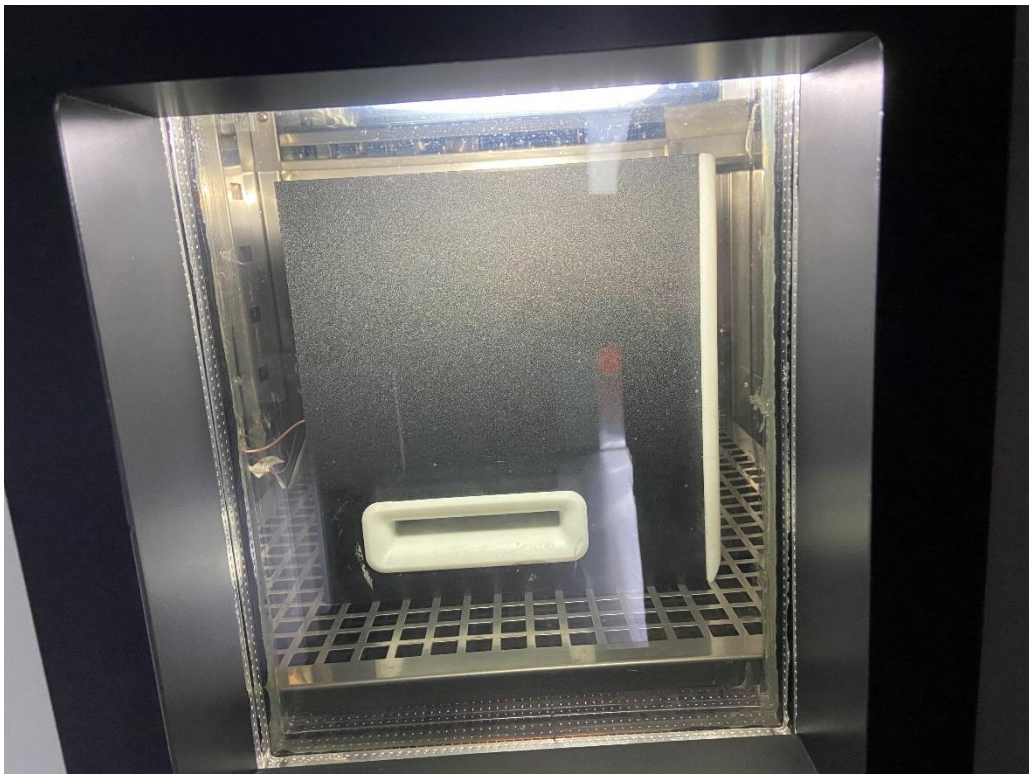
According to EN 62479:2010 clause 4.2, if the average total radiated power emitted by apparatus operating in the frequency range 10MHz-300GHz is less than or equal to 13.01dBm(20mW), then the apparatus is deemed to comply with the basic restrictions without testing.

7 Photographs of the Test Set-Up

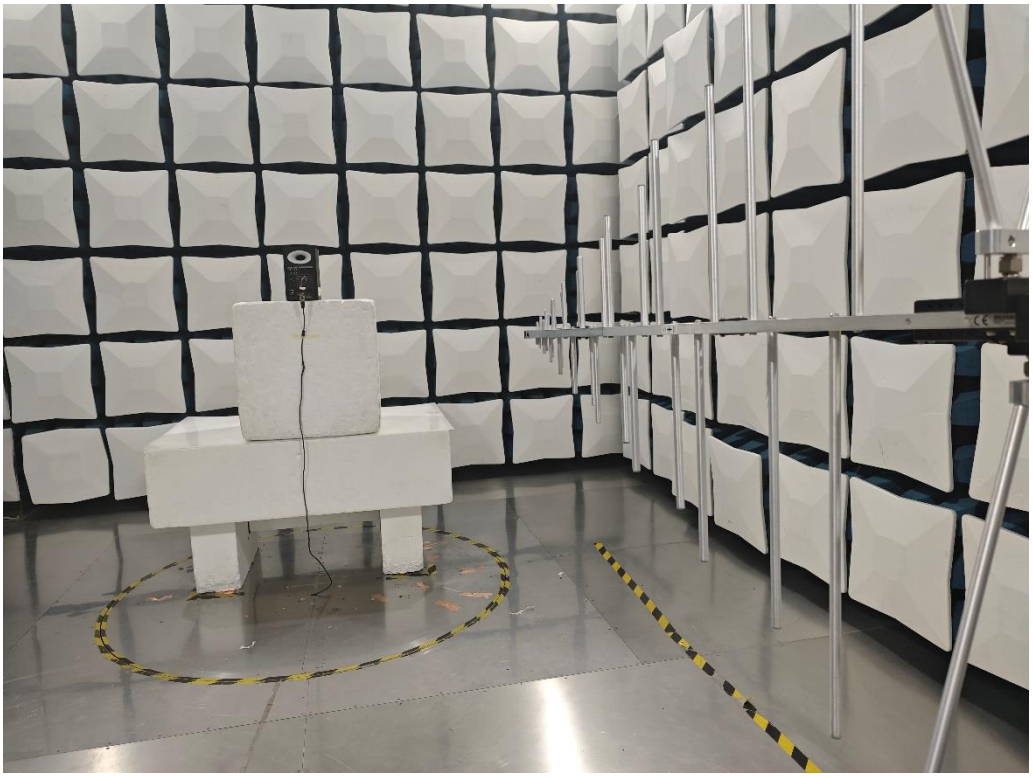
Photograph 1: Set-up for Radio Spectrum Testing, Normal temperature



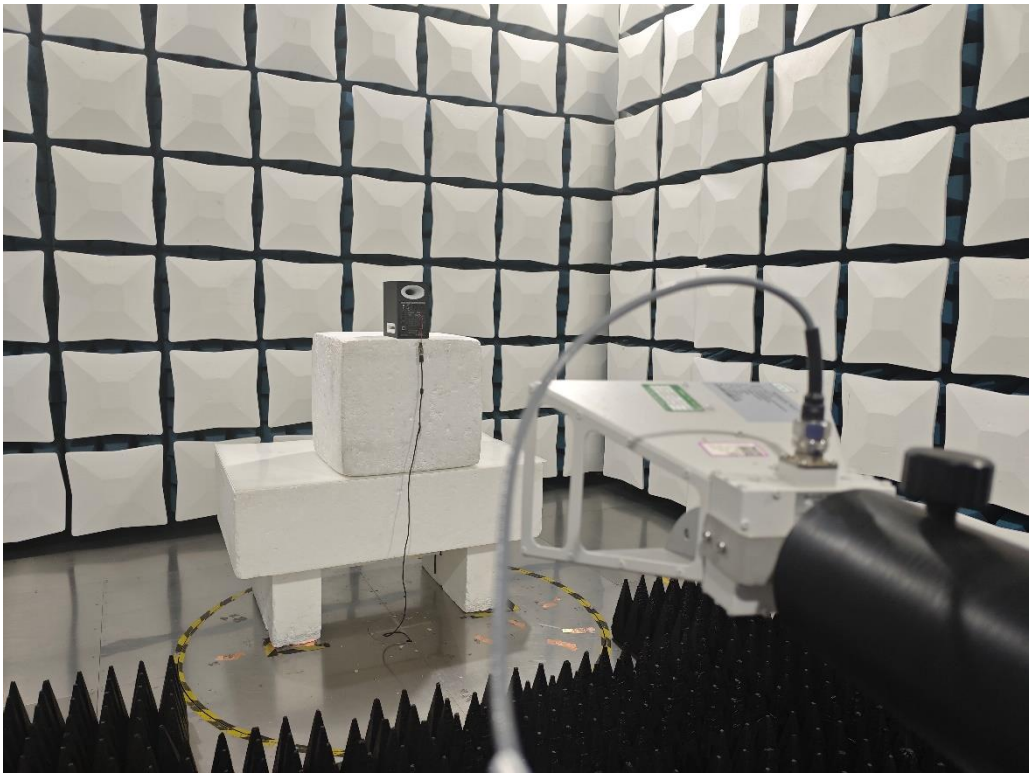
Photograph 2: Set-up for Radio Spectrum Testing, extreme temperature



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



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



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Appendix A

Test Results of Classical Bluetooth

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1 Appendix A.1 : RF output power

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

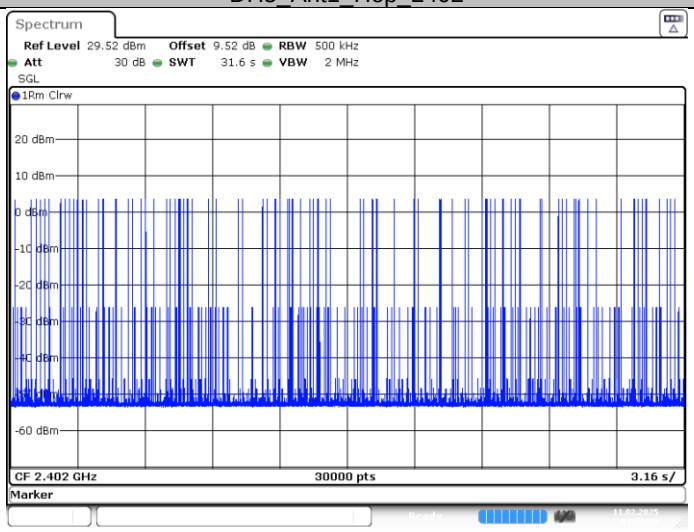
Test Condition	Test Mode	Antenna	Frequency[MHz]	Burst Power [dBm]	EIRP[dBm]	Limit[dBm]	Verdict
NTNV	DH1	Ant1	Hop	5.16	4.87	20	PASS
	DH5	Ant1	Hop	5.14	4.85	20	PASS
	2DH1	Ant1	Hop	4.18	3.89	20	PASS
	2DH5	Ant1	Hop	3.78	3.49	20	PASS
LTNV	DH1	Ant1	Hop	5.14	4.85	20	PASS
	DH5	Ant1	Hop	5.13	4.84	20	PASS
	2DH1	Ant1	Hop	4.24	3.95	20	PASS
	2DH5	Ant1	Hop	3.79	3.50	20	PASS
HTNV	DH1	Ant1	Hop	5.17	4.88	20	PASS
	DH5	Ant1	Hop	5.09	4.80	20	PASS
	2DH1	Ant1	Hop	4.27	3.98	20	PASS
	2DH5	Ant1	Hop	3.68	3.39	20	PASS

Note: EIRP = Measured Highest Pburst Values + Antenna Gain

2 Appendix A.2 : Accumulated Transmit Time

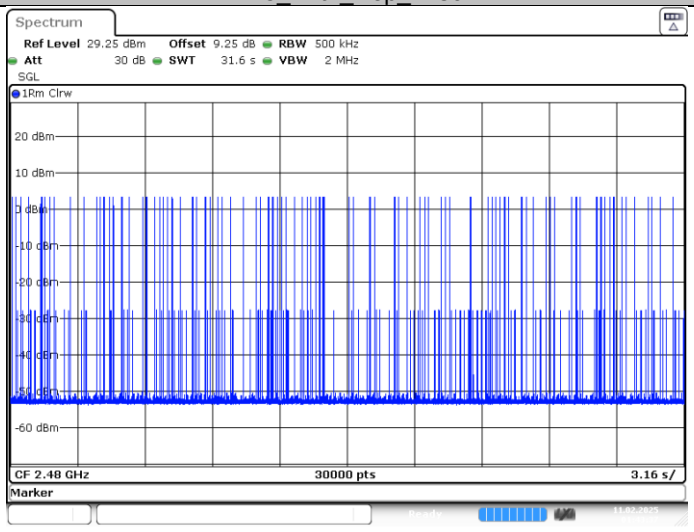
Test Mode	Antenna	Channel	Result [ms]	Limit [ms]	Verdict
DH5	Ant1	Hop_2402	281.231	400	PASS
		Hop_2480	302.297	400	PASS
2DH5	Ant1	Hop_2402	328.630	400	PASS
		Hop_2480	287.551	400	PASS

DH5_Ant1_Hop_2402



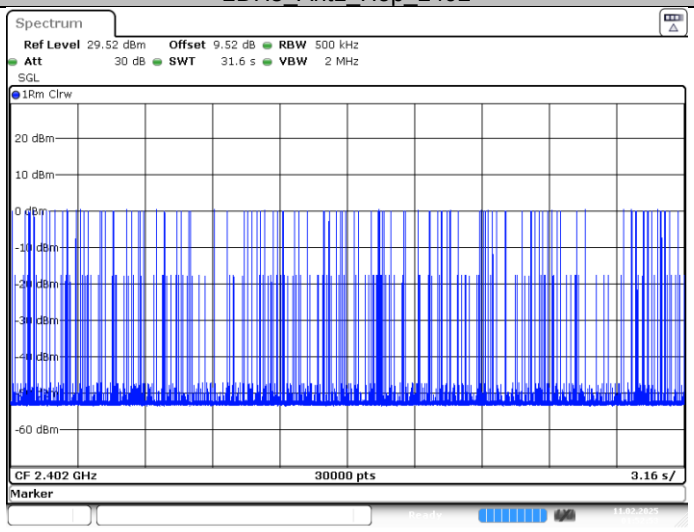
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DH5_Ant1_Hop_2480



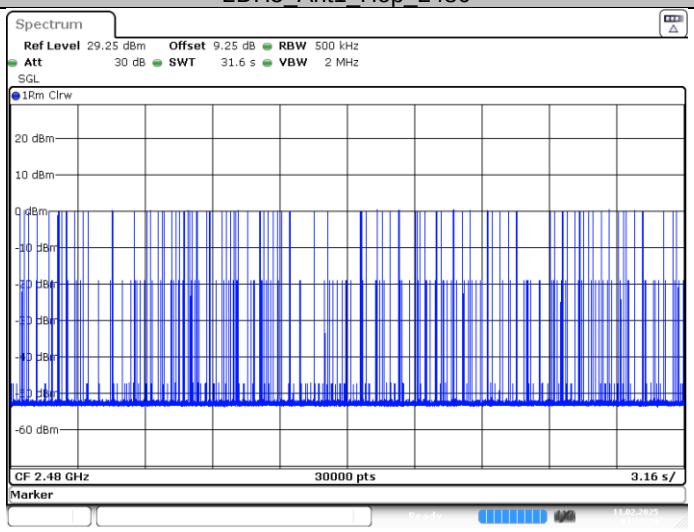
Date: 11.FEB.2025 01:43:37

2DH5_Ant1_Hop_2402



Date: 11.FEB.2025 01:52:53

2DH5_Ant1_Hop_2480

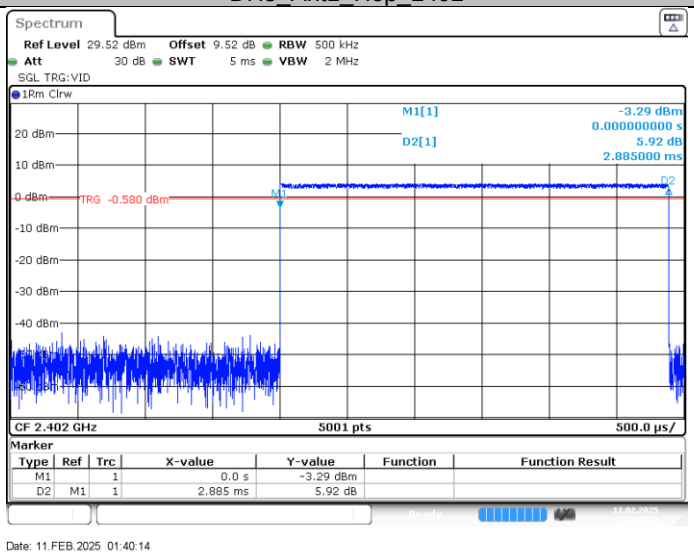


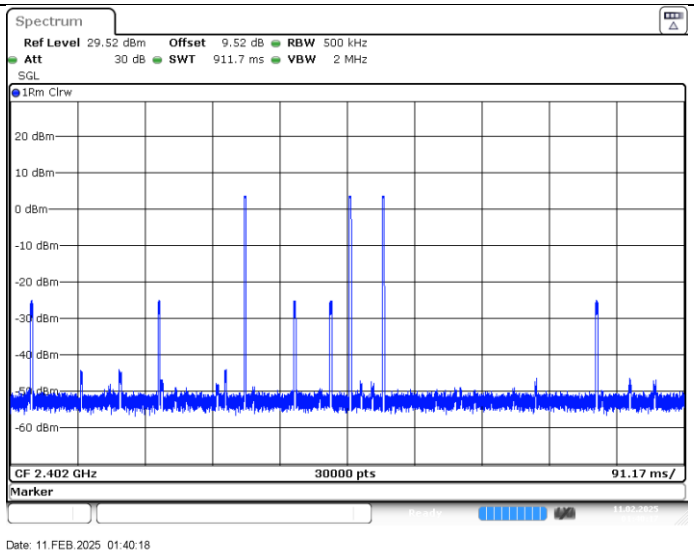
Date: 11.FEB.2025 01:57:20

3 Appendix A.3 : Frequency Occupation

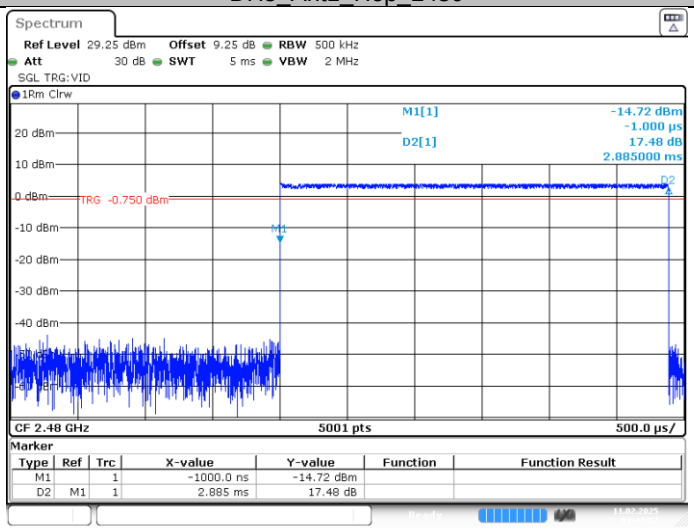
Test Mode	Antenna	Channel	Result [Num.]	Limit [Num.]	Verdict
DH5	Ant1	Hop_2402	3	1	PASS
		Hop_2480	3	1	PASS
2DH5	Ant1	Hop_2402	3	1	PASS
		Hop_2480	3	1	PASS

DH5_Ant1_Hop_2402

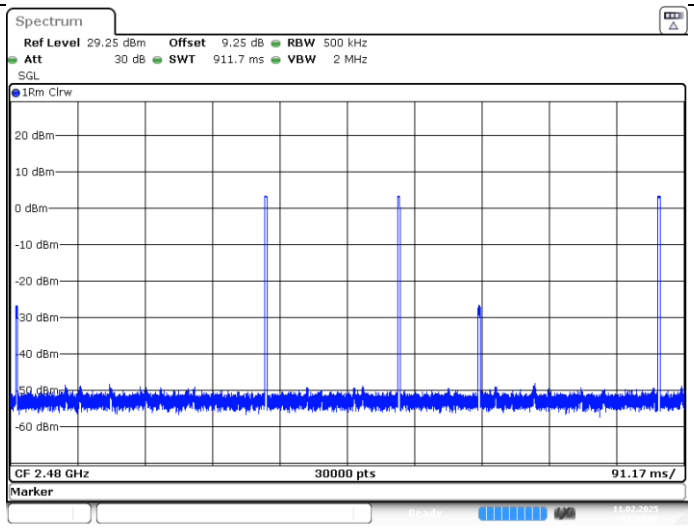




DH5_Ant1_Hop_2480

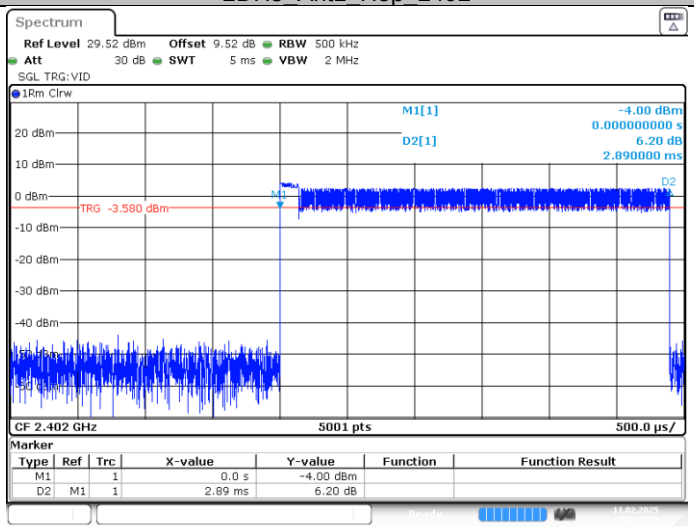


Date: 11.FEB.2025 01:43:56

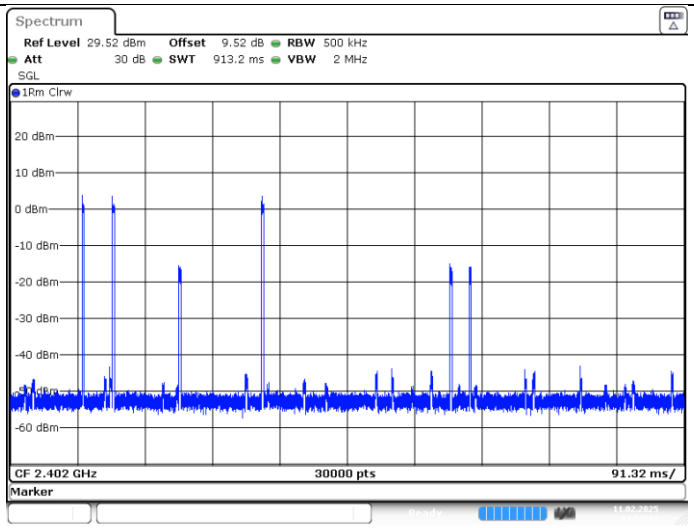


Date: 11.FEB.2025 01:44:00

2DH5_Ant1_Hop_2402

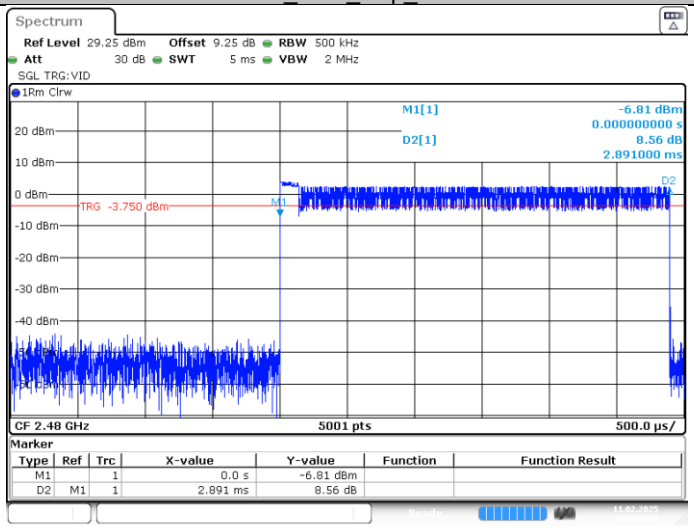


Date: 11.FEB.2025 01:53:14

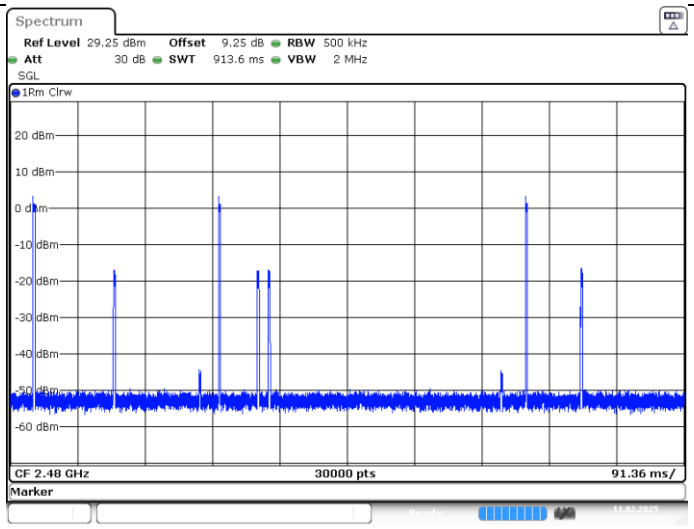


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2DH5_Ant1_Hop_2480



Date: 11.FEB.2025 01:57:40

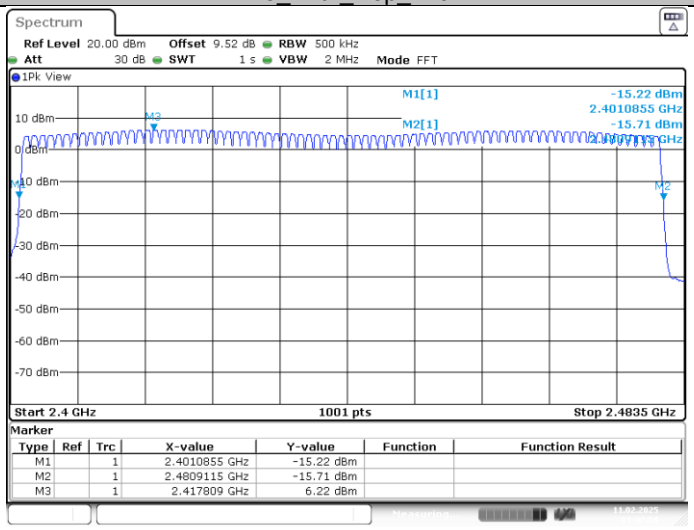


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4 Appendix A.4 : Hopping Sequence

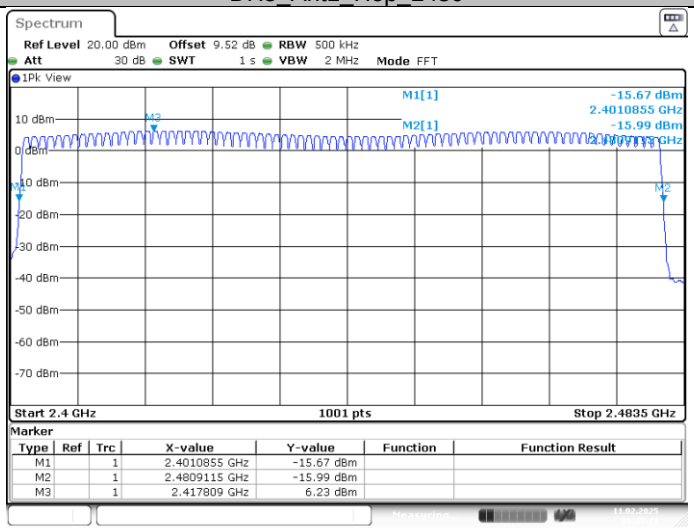
Test Mode	Antenna	Channel	Hop. [Num.]	Limit [Num.]	Band Use [%]	Limit [%]	Verdict
DH5	Ant1	Hop_2402	79	15	95.60	70	PASS
		Hop_2480	79	15	95.60	70	PASS
2DH5	Ant1	Hop_2402	79	15	96.20	70	PASS
		Hop_2480	79	15	96.20	70	PASS

DH5_Ant1_Hop_2402



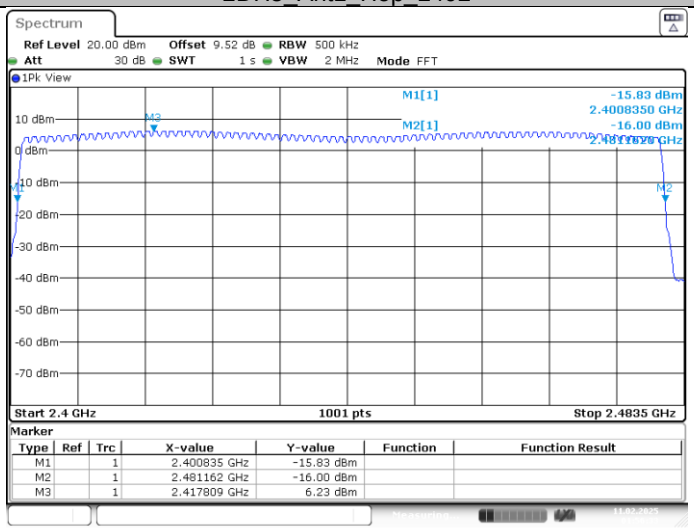
Date: 11.FEB.2025 01:42:50

DH5_Ant1_Hop_2480



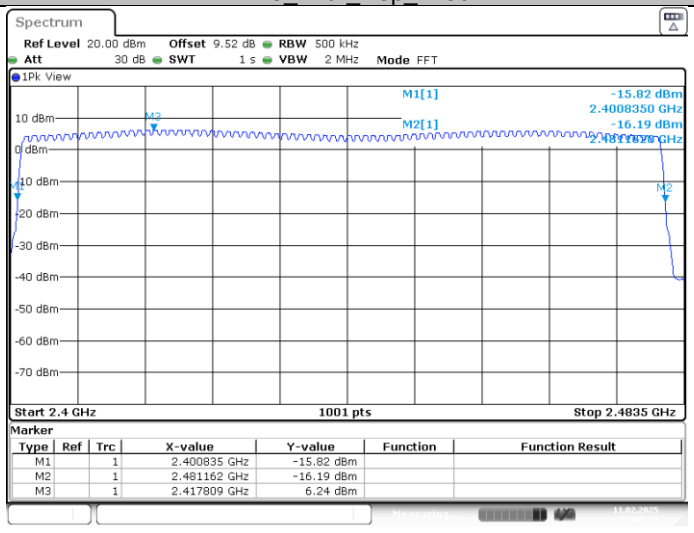
Date: 11.FEB.2025 01:45:11

2DH5_Ant1_Hop_2402



Date: 11.FEB.2025 01:56:33

2DH5_Ant1_Hop_2480

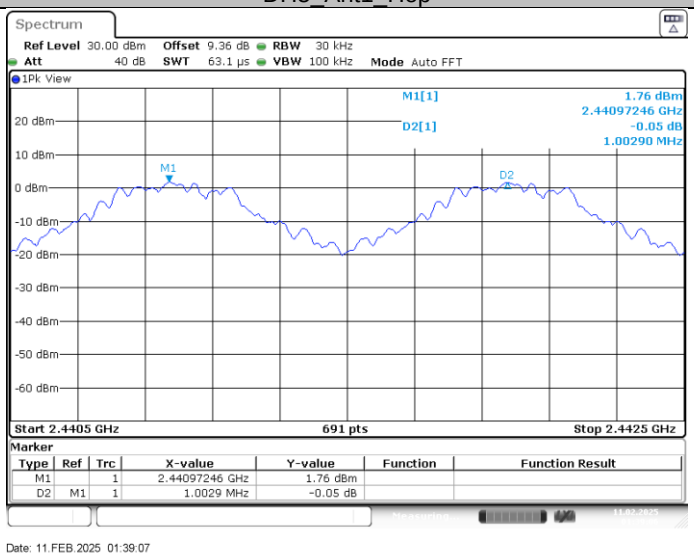


Date: 11.FEB.2025 02:02:36

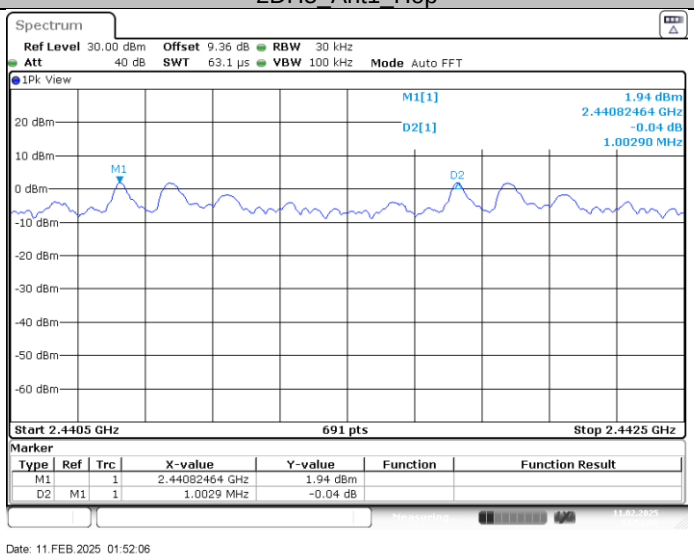
5 Appendix A.5: Hopping Frequency Separation

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

DH5_Ant1_Hop



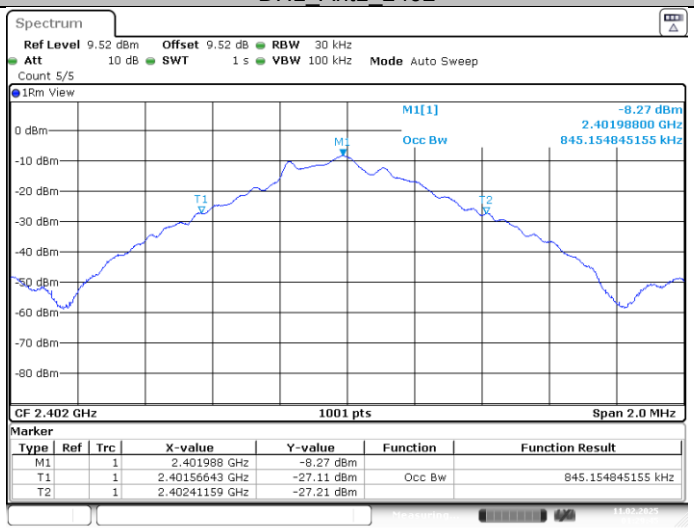
2DH5_Ant1_Hop



6 Appendix A.6: Occupied Channel Bandwidth

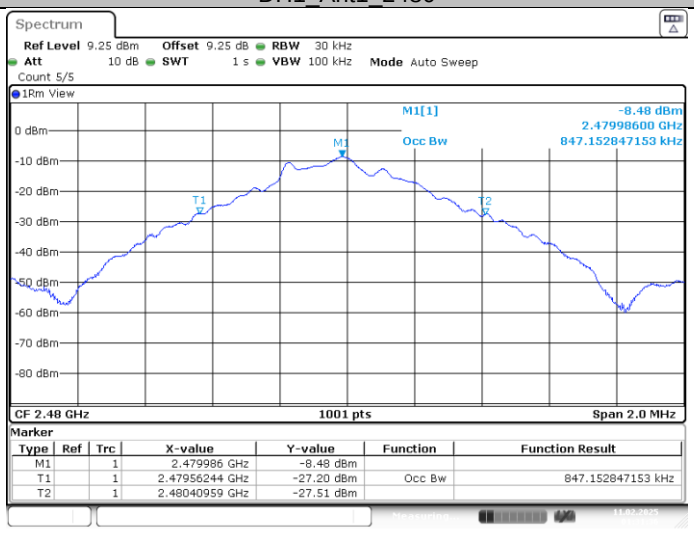
Test Mode	Antenna	Channel	OCB[MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
DH1	Ant1	2402	0.845	2401.5664	2402.4116	2400 to 2483.5	PASS
		2480	0.847	2479.5624	2480.4096	2400 to 2483.5	PASS
DH5	Ant1	2402	0.875	2401.5504	2402.4256	2400 to 2483.5	PASS
		2480	0.875	2479.5465	2480.4216	2400 to 2483.5	PASS
2DH1	Ant1	2402	1.159	2401.3986	2402.5574	2400 to 2483.5	PASS
		2480	1.165	2479.3926	2480.5574	2400 to 2483.5	PASS
2DH5	Ant1	2402	1.203	2401.3906	2402.5934	2400 to 2483.5	PASS
		2480	1.207	2479.3846	2480.5914	2400 to 2483.5	PASS

DH1_Ant1_2402



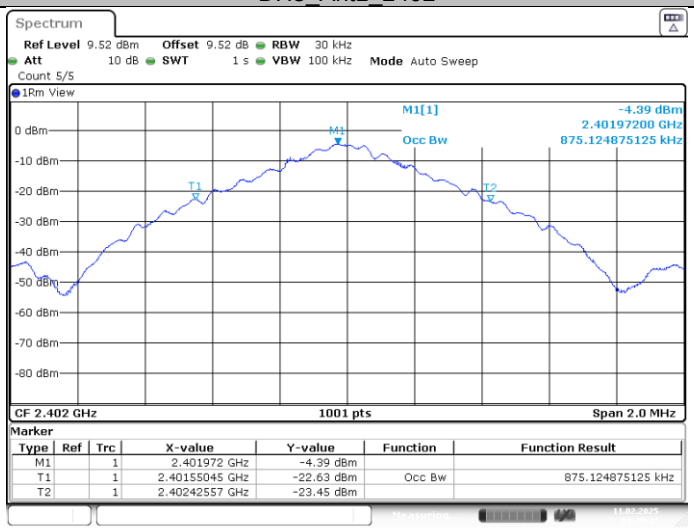
Date: 11.FEB.2025 01:29:45

DH1_Ant1_2480



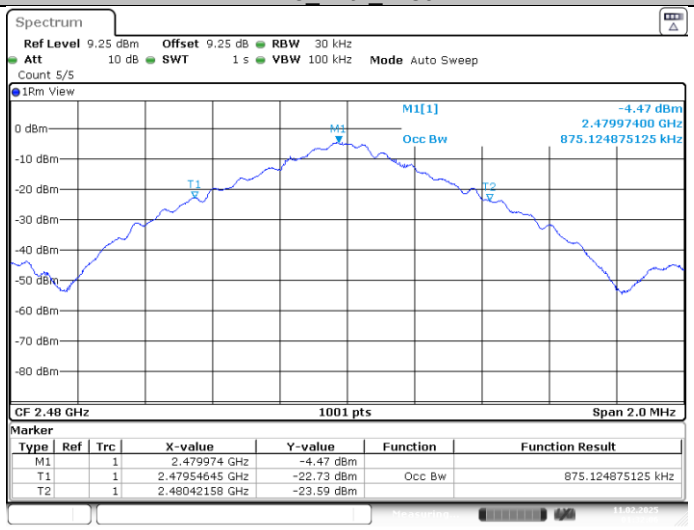
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DH5_Ant1_2402



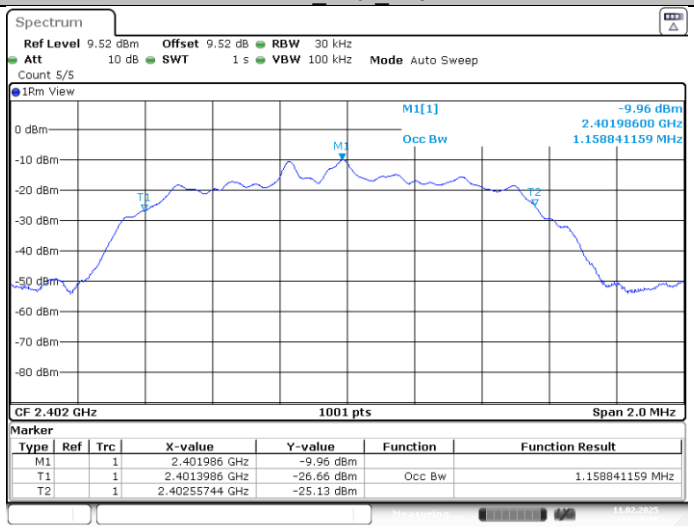
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DH5_Ant1_2480



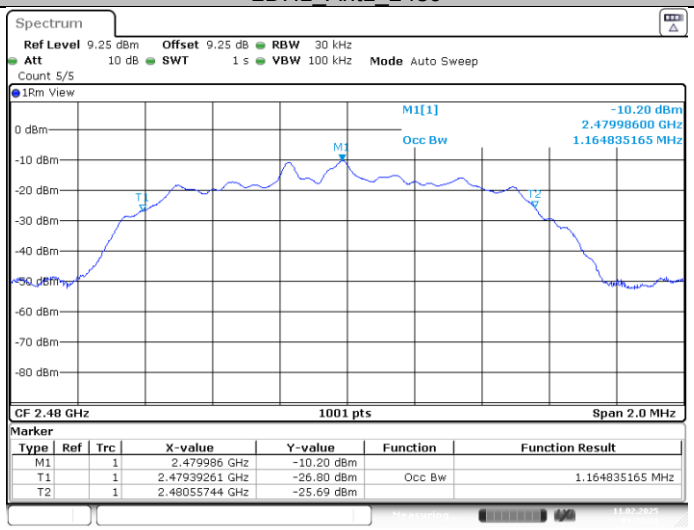
Date: 11.FEB.2025 01:32:06

2DH1_Ant1_2402



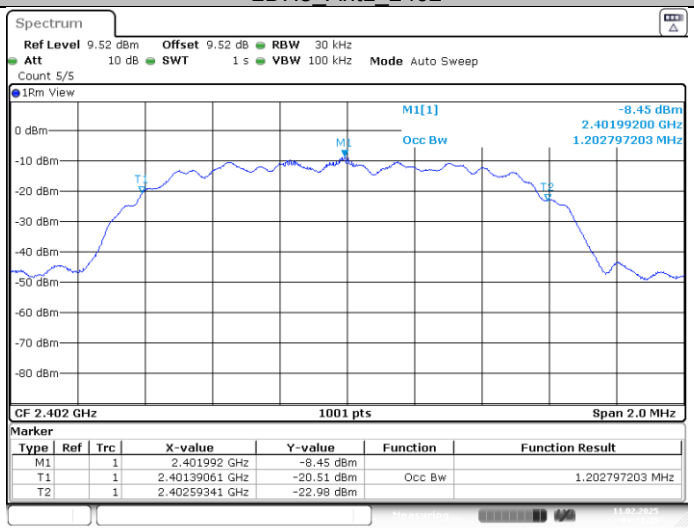
Date: 11.FEB.2025 01:30:58

2DH1_Ant1_2480



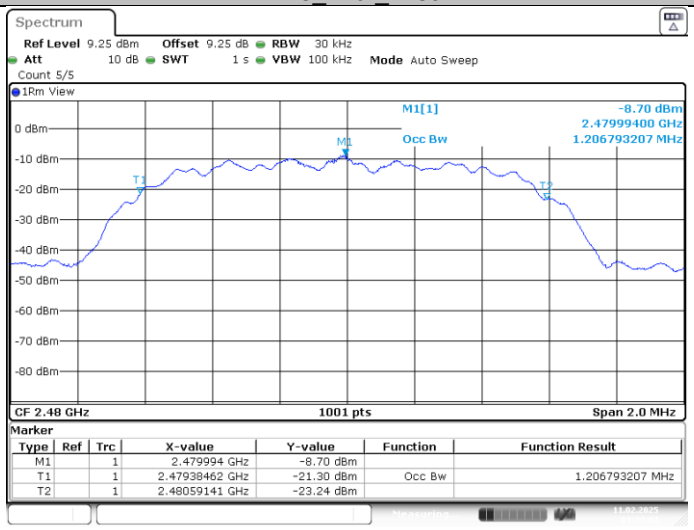
Date: 11.FEB.2025 01:32:32

2DH5_Ant1_2402



Date: 11.FEB.2025 01:31:15

2DH5_Ant1_2480

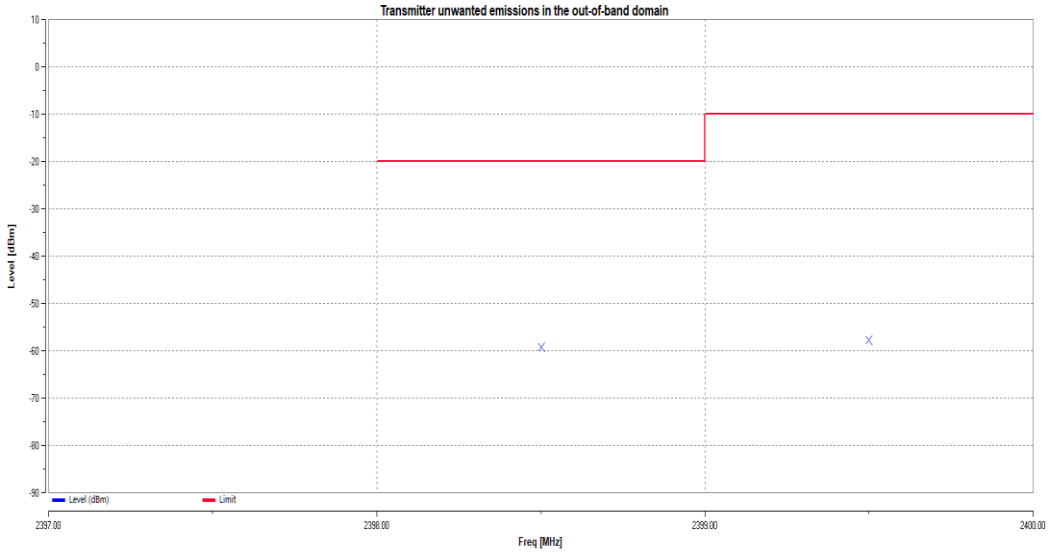


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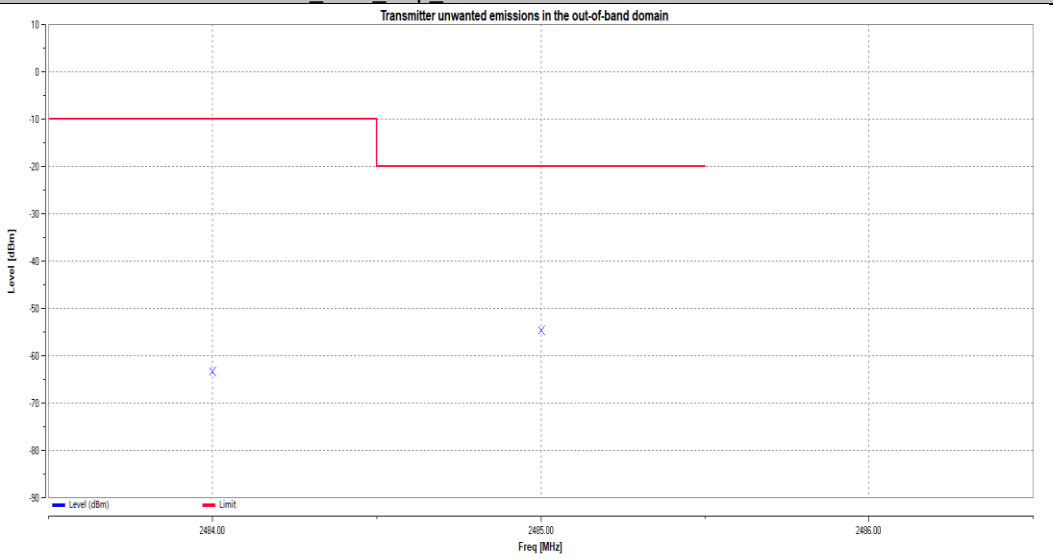
7 Appendix A.7 : Tx unwanted emissions in the out-of-band domain

Test Mode	Antenna	Channel	Freq. [MHz]	Level[dBm]	Limit[dBm]	Verdict
DH5	Ant1	Hop	2398.5	-59.17	-20.00	PASS
			2399.5	-57.72	-10.00	PASS
			2484	-63.31	-10.00	PASS
			2485	-54.64	-20.00	PASS
2DH5	Ant1	Hop	2398.086	-59.74	-20.00	PASS
			2398.293	-58.70	-20.00	PASS
			2399.293	-44.02	-10.00	PASS
			2399.5	-42.57	-10.00	PASS
			2484	-52.41	-10.00	PASS
			2484.207	-52.89	-10.00	PASS
			2485.207	-53.27	-20.00	PASS
			2485.414	-52.81	-20.00	PASS

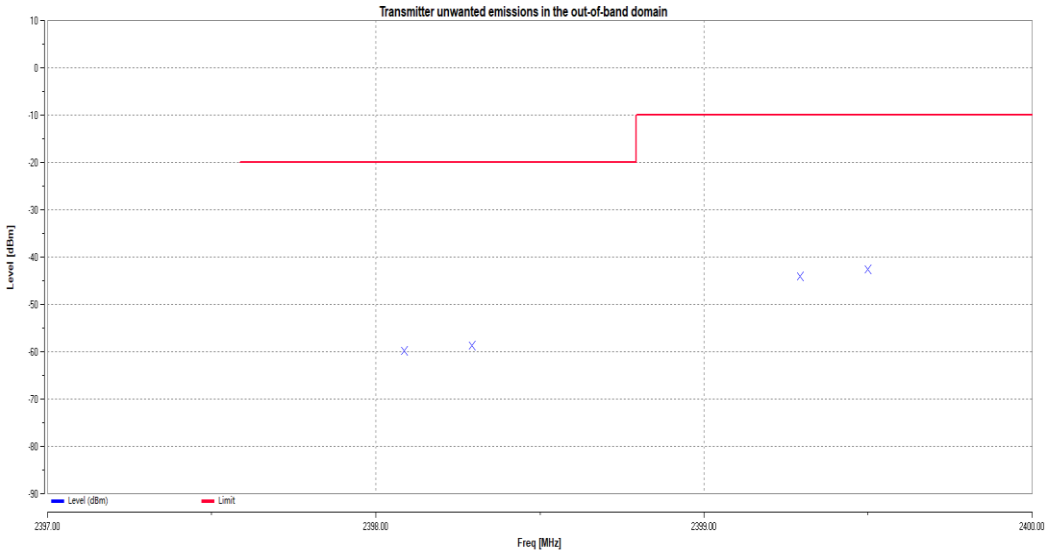
DH5_Ant1_Hop_2400MHz-2BW to 2400MHz



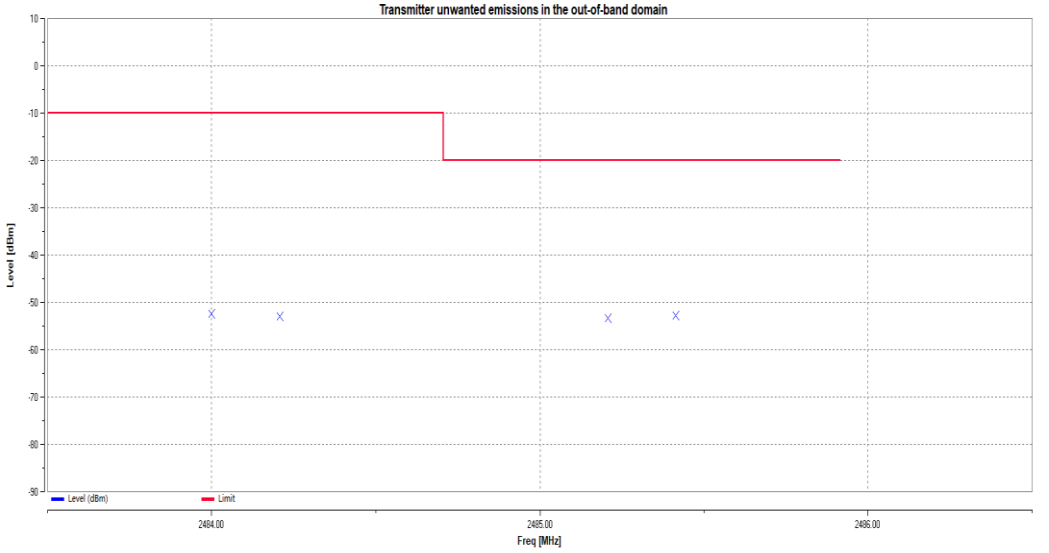
DH5_Ant1_Hop_2483.5MHz to 2483.5MHz+2BW



2DH5_Ant1_Hop_2400MHz-2BW to 2400MHz



2DH5_Ant1_Hop_2483.5MHz to 2483.5MHz+2BW

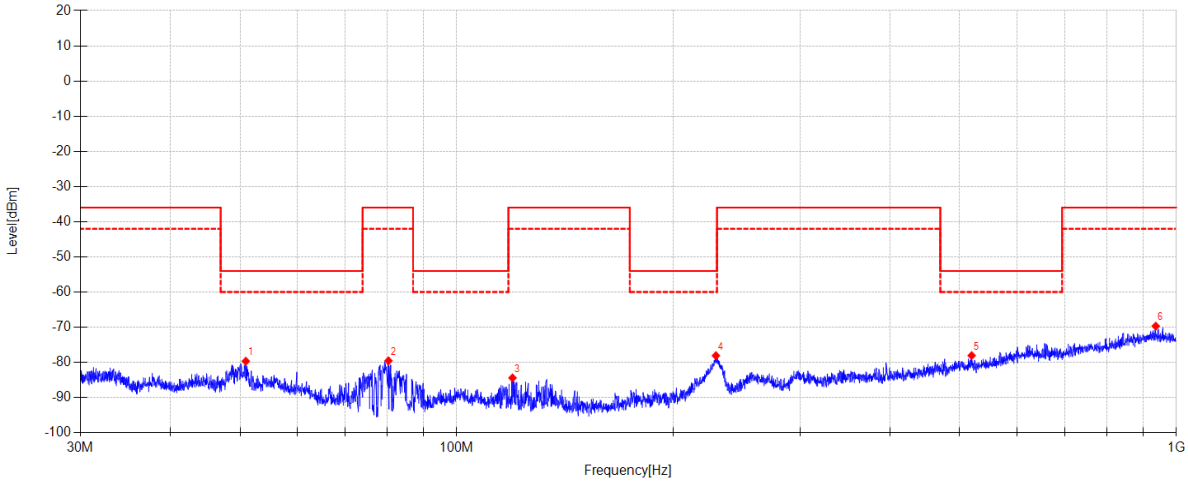


8 Appendix A.8: Test Plots of Transmitter Unwanted Emission in the spurious domain

Note: The EUT without antenna connector.

Test Date:	2025-01-24	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	DH5 2402MHz TX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE BELOW1G\15		
Memo:	Sample Number:S25011313-001 Power Setting:8		

Test Graph



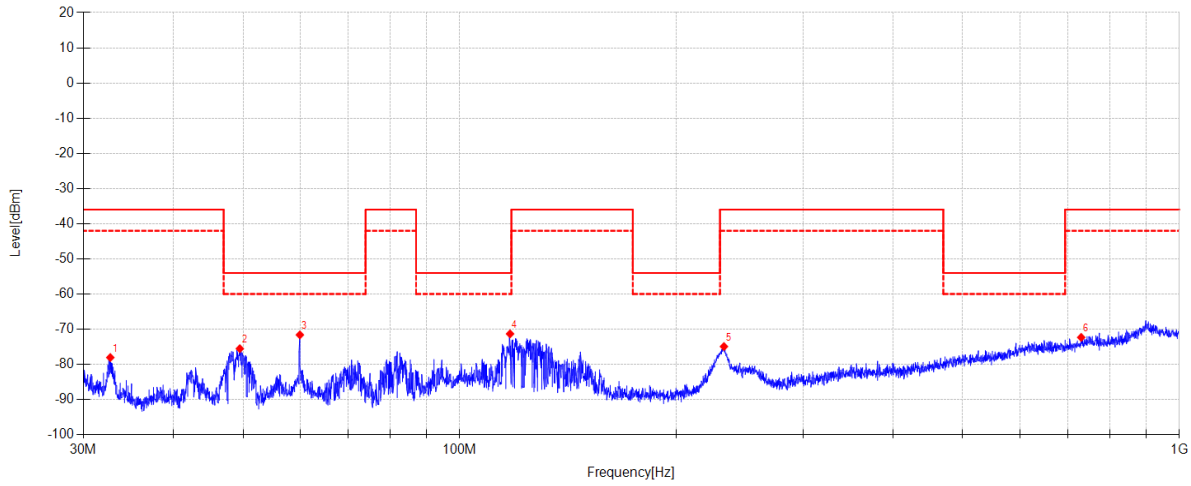
Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	50.937	30.61	-110.25	-79.64	-54.00	25.64	PK	Horizontal	ERP
2	80.402	37.89	-117.42	-79.53	-36.00	43.53	PK	Horizontal	ERP
3	119.571	31.92	-116.31	-84.39	-36.00	48.39	PK	Horizontal	ERP
4	229.200	35.15	-113.23	-78.08	-54.00	24.08	PK	Horizontal	ERP
5	519.497	28.04	-106.08	-78.04	-54.00	24.04	PK	Horizontal	ERP
6	936.215	28.18	-97.85	-69.67	-36.00	33.67	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:	2025-01-24	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	DH5 2402MHz TX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE BELOW1G\16		
Memo:	Sample Number:S25011313-001 Power Setting:8		

Test Graph



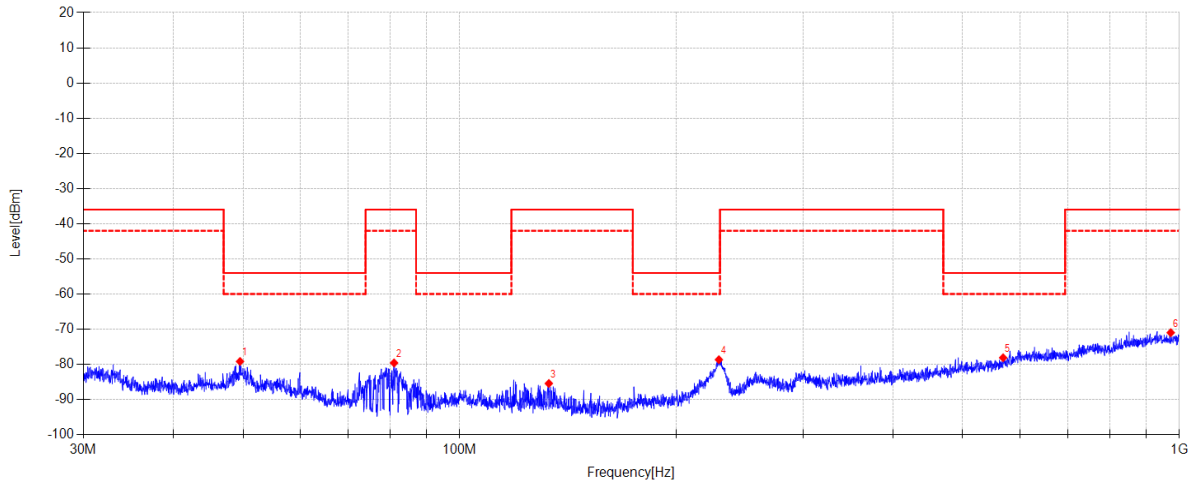
Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	32.702	38.38	-116.41	-78.03	-36.00	42.03	PK	Vertical	ERP
2	49.493	39.35	-114.86	-75.51	-54.00	21.51	PK	Vertical	ERP
3	59.977	43.15	-114.74	-71.59	-54.00	17.59	PK	Vertical	ERP
4	117.493	40.05	-111.35	-71.30	-54.00	17.30	PK	Vertical	ERP
5	232.926	37.79	-112.71	-74.92	-36.00	38.92	PK	Vertical	ERP
6	730.428	27.45	-99.76	-72.31	-36.00	36.31	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:	2025-01-24	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	DH5 2480MHz TX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE BELOW1G\17		
Memo:	Sample Number:S25011313-001 Power Setting:8		

Test Graph



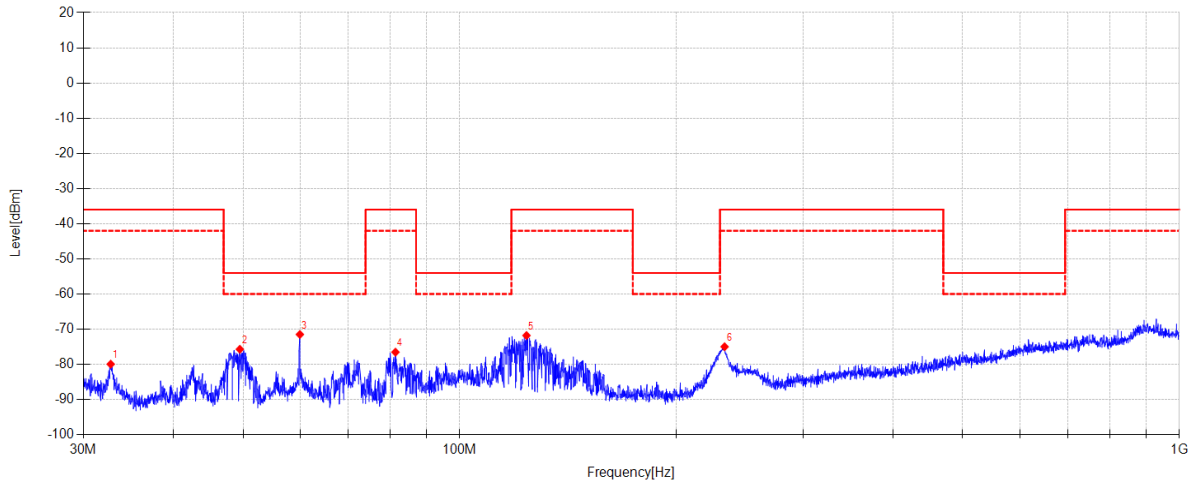
Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	49.528	30.93	-110.08	-79.15	-54.00	25.15	PK	Horizontal	ERP
2	81.082	37.79	-117.36	-79.57	-36.00	43.57	PK	Horizontal	ERP
3	133.018	31.76	-117.17	-85.41	-36.00	49.41	PK	Horizontal	ERP
4	229.200	34.59	-113.23	-78.64	-54.00	24.64	PK	Horizontal	ERP
5	569.076	26.88	-104.98	-78.10	-54.00	24.10	PK	Horizontal	ERP
6	973.025	26.92	-97.89	-70.97	-36.00	34.97	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:	2025-01-24	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	DH5 2480MHz TX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE BELOW1G\18		
Memo:	Sample Number:S25011313-001 Power Setting:8		

Test Graph



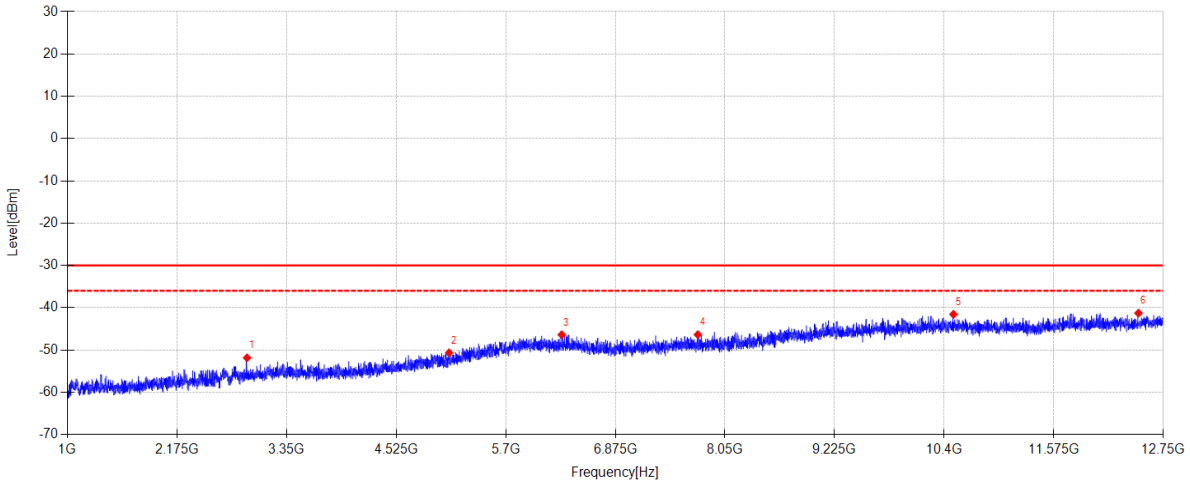
Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	32.748	36.49	-116.41	-79.92	-36.00	43.92	PK	Vertical	ERP
2	49.493	39.17	-114.86	-75.69	-54.00	21.69	PK	Vertical	ERP
3	59.977	43.26	-114.74	-71.48	-54.00	17.48	PK	Vertical	ERP
4	81.424	39.32	-115.83	-76.51	-36.00	40.51	PK	Vertical	ERP
5	123.837	40.00	-111.78	-71.78	-36.00	35.78	PK	Vertical	ERP
6	233.417	37.73	-112.70	-74.97	-36.00	38.97	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:	2025-01-23	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	DH5 2402MHz TX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE ABOVE1G\11		
Memo:	Sample Number:S25011313-001 Power Setting:8		

Test Graph



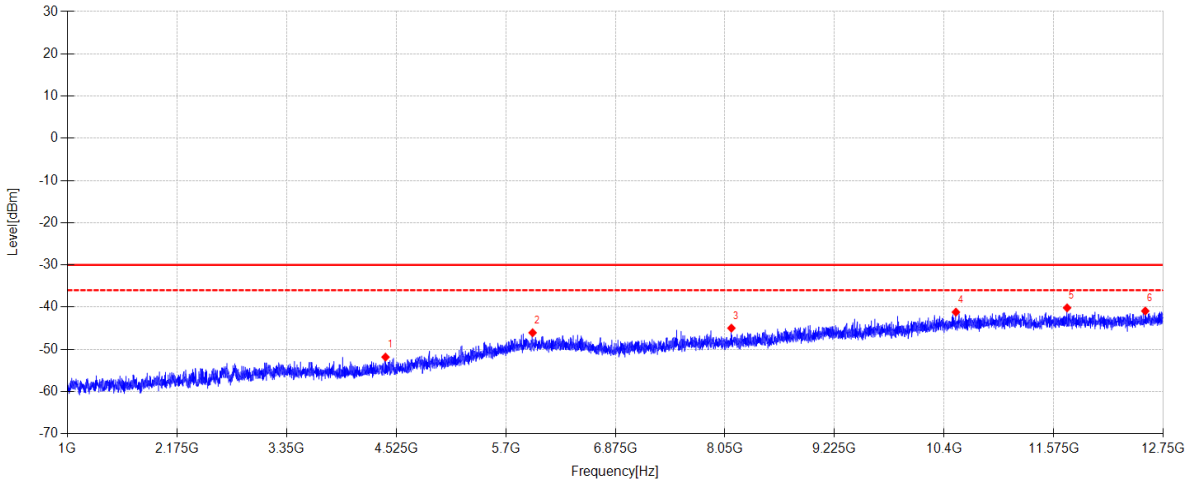
Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	2925.825	50.31	-102.16	-51.85	**-30.00**	21.85	PK	Horizontal	EIRP
2	5092.525	46.69	-97.35	-50.66	**-30.00**	20.66	PK	Horizontal	EIRP
3	6299.250	47.58	-93.97	-46.39	**-30.00**	16.39	PK	Horizontal	EIRP
4	7758.600	46.92	-93.28	-46.36	**-30.00**	16.36	PK	Horizontal	EIRP
5	10499.875	46.48	-88.04	-41.56	**-30.00**	11.56	PK	Horizontal	EIRP
6	12483.275	46.63	-87.91	-41.28	**-30.00**	11.28	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:	2025-01-23	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	DH5 2402MHz TX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE ABOVE1G\12		
Memo:	Sample Number:S25011313-001 Power Setting:8		

Test Graph



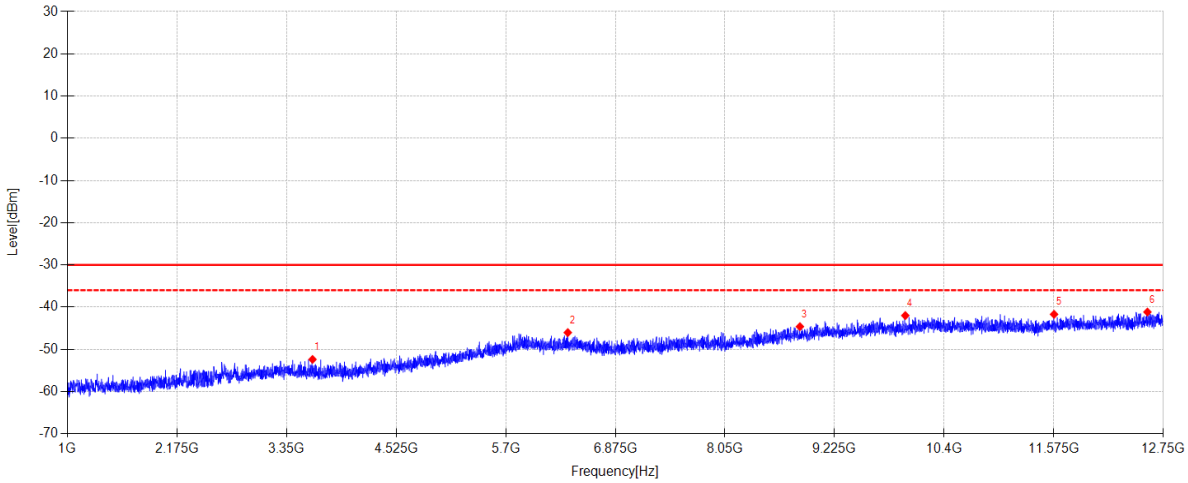
Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	4411.025	47.81	-99.64	-51.83	**-30.00**	21.83	PK	Vertical	EIRP
2	5987.875	47.52	-93.58	-46.06	**-30.00**	16.06	PK	Vertical	EIRP
3	8119.325	47.04	-92.01	-44.97	**-30.00**	14.97	PK	Vertical	EIRP
4	10525.725	46.38	-87.56	-41.18	**-30.00**	11.18	PK	Vertical	EIRP
5	11718.350	47.01	-87.18	-40.17	**-30.00**	10.17	PK	Vertical	EIRP
6	12556.125	46.67	-87.58	-40.91	**-30.00**	10.91	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:	2025-01-23	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	DH5 2480MHz TX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE ABOVE1G\9		
Memo:	Sample Number:S25011313-001 Power Setting:8		

Test Graph



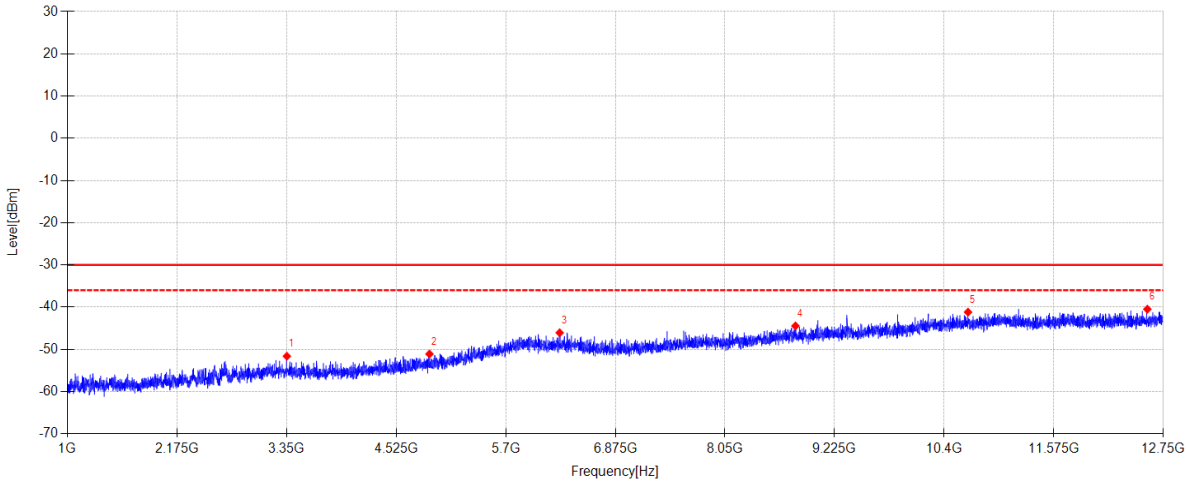
Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	3628.475	48.75	-101.13	-52.38	**-30.00**	22.38	PK	Horizontal	EIRP
2	6365.050	48.04	-94.07	-46.03	**-30.00**	16.03	PK	Horizontal	EIRP
3	8853.700	45.25	-89.86	-44.61	**-30.00**	14.61	PK	Horizontal	EIRP
4	9984.050	46.04	-88.03	-41.99	**-30.00**	11.99	PK	Horizontal	EIRP
5	11578.525	46.28	-87.98	-41.70	**-30.00**	11.70	PK	Horizontal	EIRP
6	12579.625	46.76	-87.92	-41.16	**-30.00**	11.16	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:	2025-01-23	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	DH5 2480MHz TX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE ABOVE1G\10		
Memo:	Sample Number:S25011313-001 Power Setting:8		

Test Graph



Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	3353.525	49.88	-101.50	-51.62	**-30.00**	21.62	PK	Vertical	EIRP
2	4882.200	47.42	-98.52	-51.10	**-30.00**	21.10	PK	Vertical	EIRP
3	6278.100	47.90	-93.97	-46.07	**-30.00**	16.07	PK	Vertical	EIRP
4	8805.525	45.75	-90.20	-44.45	**-30.00**	14.45	PK	Vertical	EIRP
5	10656.150	46.14	-87.33	-41.19	**-30.00**	11.19	PK	Vertical	EIRP
6	12578.450	47.10	-87.58	-40.48	**-30.00**	10.48	PK	Vertical	EIRP

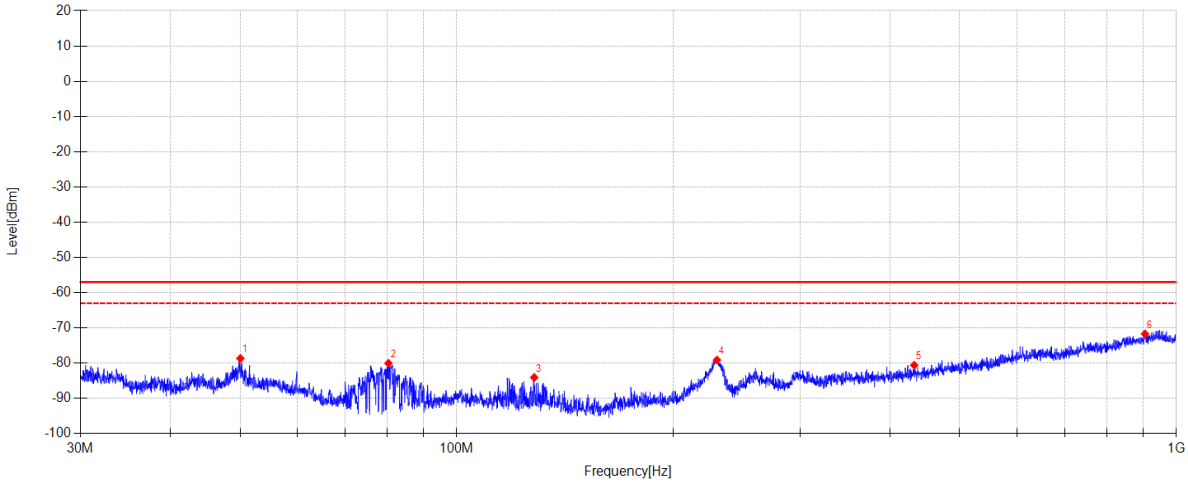
Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

9 Appendix A.9: Test Plots of Receiver Spurious Emission

Note: The EUT without antenna connector.

Test Date:	2025-01-24	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	DH5 2402MHz RX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE BELOW1G\13		
Memo:	Sample Number:S25011313-001		

Test Graph



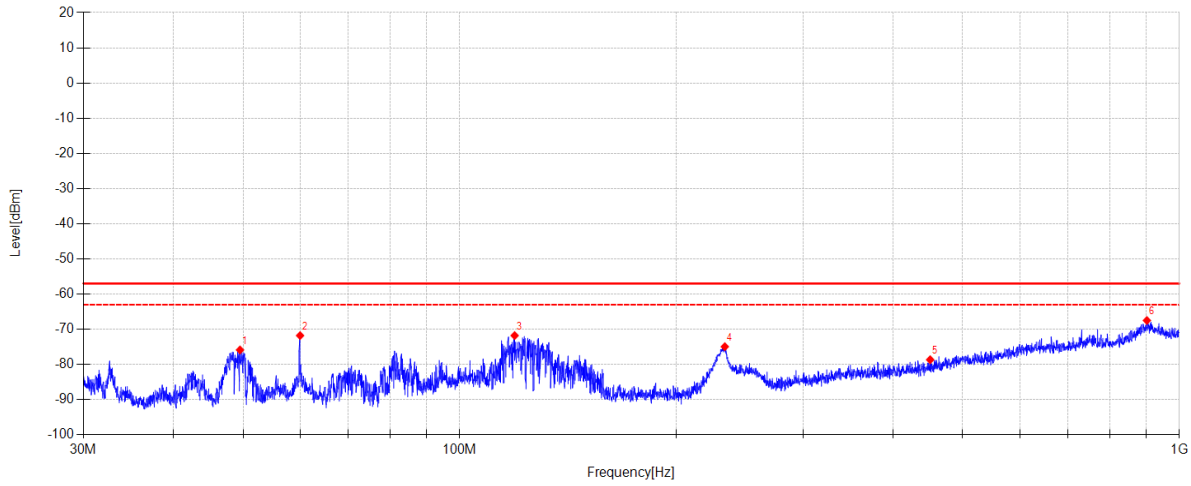
Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	50.051	31.36	-110.03	-78.67	-57.00	21.67	PK	Horizontal	ERP
2	80.402	37.36	-117.42	-80.06	-57.00	23.06	PK	Horizontal	ERP
3	128.166	32.79	-116.87	-84.08	-57.00	27.08	PK	Horizontal	ERP
4	230.005	34.04	-113.17	-79.13	-57.00	22.13	PK	Horizontal	ERP
5	432.315	27.53	-108.12	-80.59	-57.00	23.59	PK	Horizontal	ERP
6	904.595	27.01	-98.73	-71.72	-57.00	14.72	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:	2025-01-24	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	DH5 2402MHz RX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE BELOW1G\14		
Memo:	Sample Number:S25011313-001		

Test Graph



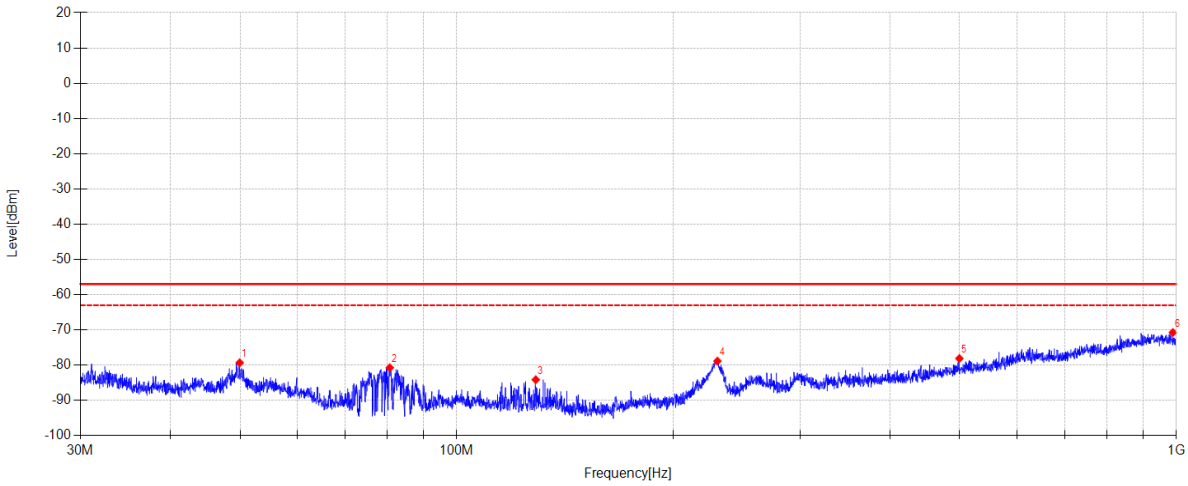
Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	49.528	38.98	-114.86	-75.88	-57.00	18.88	PK	Vertical	ERP
2	60.019	42.95	-114.75	-71.80	-57.00	14.80	PK	Vertical	ERP
3	119.236	39.68	-111.47	-71.79	-57.00	14.79	PK	Vertical	ERP
4	233.580	37.74	-112.69	-74.95	-57.00	17.95	PK	Vertical	ERP
5	450.575	27.20	-105.86	-78.66	-57.00	21.66	PK	Vertical	ERP
6	901.430	27.62	-95.12	-67.50	-57.00	10.50	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:	2025-01-24	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	DH5 2480MHz RX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE BELOW1G\11		
Memo:	Sample Number:S25011313-001		

Test Graph



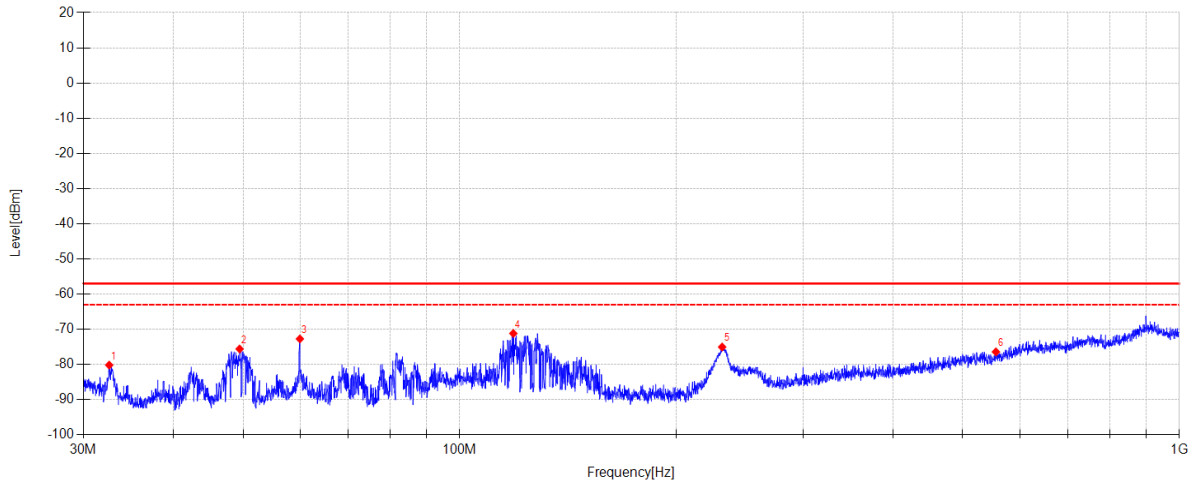
Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	49.946	30.70	-110.03	-79.33	-57.00	22.33	PK	Horizontal	ERP
2	80.741	36.65	-117.39	-80.74	-57.00	23.74	PK	Horizontal	ERP
3	128.796	32.77	-116.90	-84.13	-57.00	27.13	PK	Horizontal	ERP
4	230.328	34.29	-113.15	-78.86	-57.00	21.86	PK	Horizontal	ERP
5	499.494	28.09	-106.22	-78.13	-57.00	21.13	PK	Horizontal	ERP
6	988.844	27.44	-98.18	-70.74	-57.00	13.74	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:	2025-01-24	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	DH5 2480MHz RX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE BELOW1G\12		
Memo:	Sample Number:S25011313-001		

Test Graph



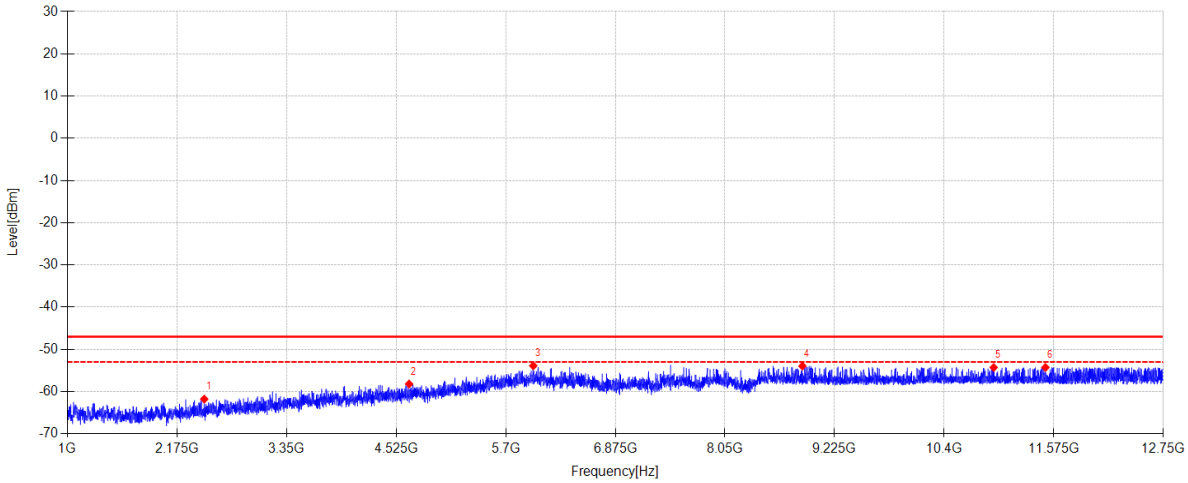
Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	32.588	36.23	-116.42	-80.19	-57.00	23.19	PK	Vertical	ERP
2	49.458	39.25	-114.86	-75.61	-57.00	18.61	PK	Vertical	ERP
3	59.977	42.01	-114.74	-72.73	-57.00	15.73	PK	Vertical	ERP
4	118.735	40.24	-111.43	-71.19	-57.00	14.19	PK	Vertical	ERP
5	231.623	37.68	-112.73	-75.05	-57.00	18.05	PK	Vertical	ERP
6	556.059	27.06	-103.50	-76.44	-57.00	19.44	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:	2025-01-23	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	DH5 2402MHz RX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE ABOVE1G\13		
Memo:	Sample Number:S25011313-001		

Test Graph



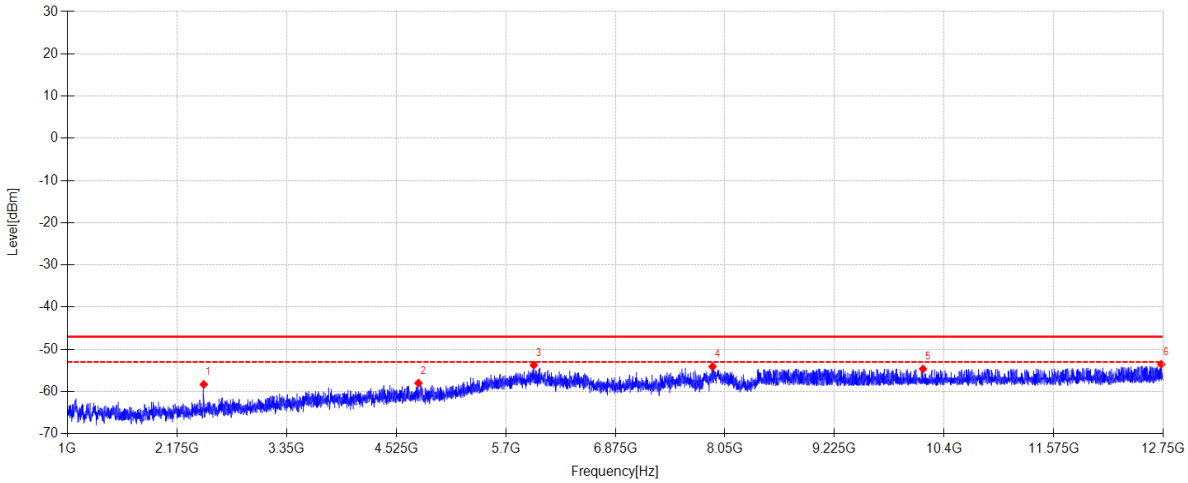
Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	2467.575	42.30	-104.07	-61.77	**-47.00**	14.77	PK	Horizontal	EIRP
2	4663.650	40.98	-99.19	-58.21	**-47.00**	11.21	PK	Horizontal	EIRP
3	5994.925	40.02	-93.91	-53.89	**-47.00**	6.89	PK	Horizontal	EIRP
4	8880.725	36.12	-90.08	-53.96	**-47.00**	6.96	PK	Horizontal	EIRP
5	10931.100	34.52	-88.81	-54.29	**-47.00**	7.29	PK	Horizontal	EIRP
6	11485.700	34.47	-88.75	-54.28	**-47.00**	7.28	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:	2025-01-23	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	DH5 2402MHz RX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE ABOVE1G\14		
Memo:	Sample Number:S25011313-001		

Test Graph



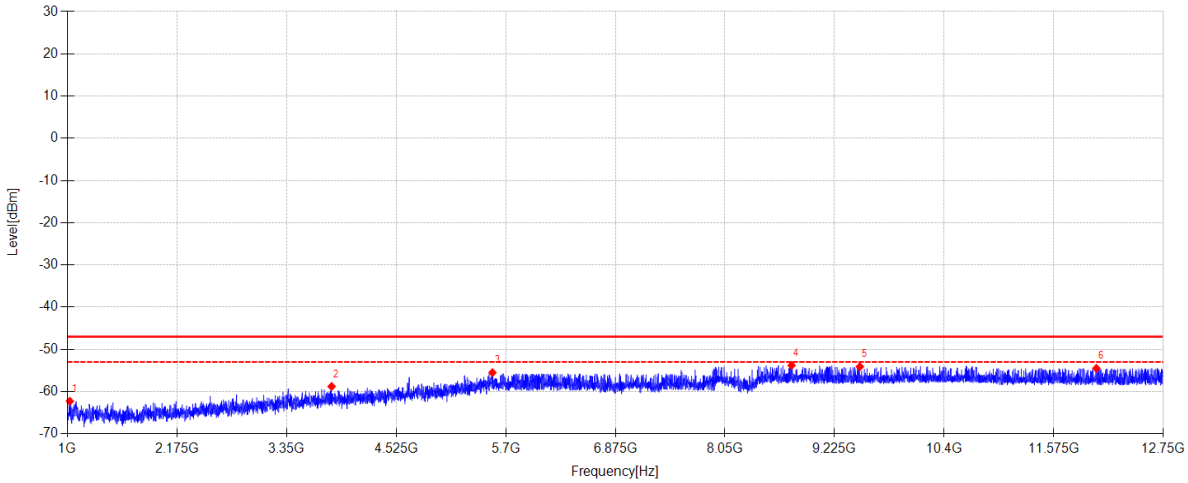
Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	2462.875	45.60	-103.90	-58.30	**-47.00**	11.30	PK	Vertical	EIRP
2	4764.700	41.30	-99.29	-57.99	**-47.00**	10.99	PK	Vertical	EIRP
3	6000.800	40.14	-93.86	-53.72	**-47.00**	6.72	PK	Vertical	EIRP
4	7918.400	38.86	-92.94	-54.08	**-47.00**	7.08	PK	Vertical	EIRP
5	10173.225	34.14	-88.79	-54.65	**-47.00**	7.65	PK	Vertical	EIRP
6	12727.675	34.93	-88.48	-53.55	**-47.00**	6.55	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:	2025-01-23	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	DH5 2480MHz RX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE ABOVE1G\15		
Memo:	Sample Number:S25011313-001		

Test Graph



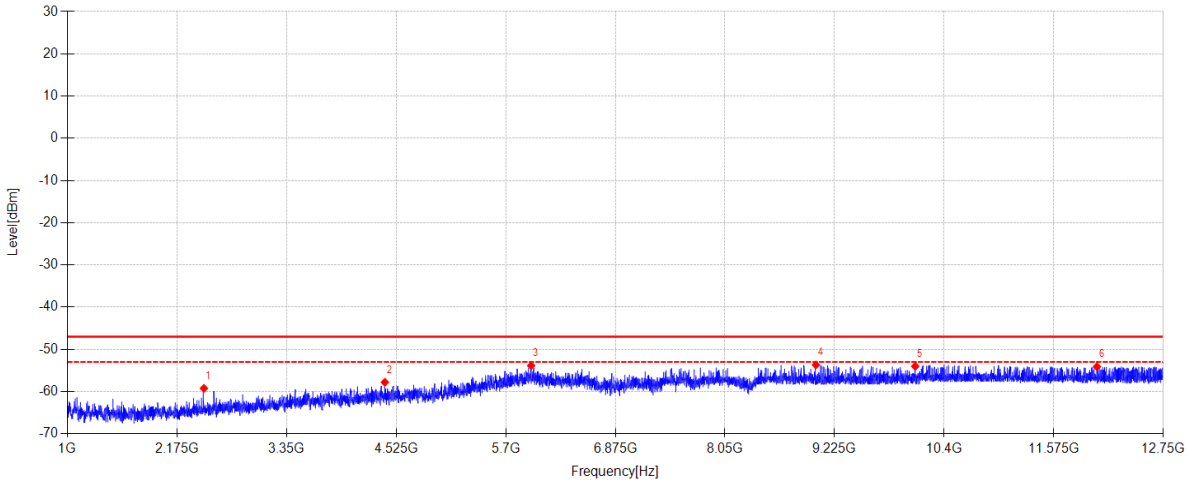
Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1027.025	42.55	-104.83	-62.28	**-47.00**	15.28	PK	Horizontal	EIRP
2	3832.925	42.71	-101.49	-58.78	**-47.00**	11.78	PK	Horizontal	EIRP
3	5557.825	40.29	-95.80	-55.51	**-47.00**	8.51	PK	Horizontal	EIRP
4	8764.400	36.68	-90.47	-53.79	**-47.00**	6.79	PK	Horizontal	EIRP
5	9496.425	35.03	-89.12	-54.09	**-47.00**	7.09	PK	Horizontal	EIRP
6	12032.075	34.18	-88.66	-54.48	**-47.00**	7.48	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:	2025-01-23	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	DH5 2480MHz RX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE ABOVE1G\16		
Memo:	Sample Number:S25011313-001		

Test Graph



Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	2464.050	44.66	-103.90	-59.24	**-47.00**	12.24	PK	Vertical	EIRP
2	4403.975	42.37	-100.16	-57.79	**-47.00**	10.79	PK	Vertical	EIRP
3	5972.600	40.14	-93.99	-53.85	**-47.00**	6.85	PK	Vertical	EIRP
4	9025.250	36.29	-89.98	-53.69	**-47.00**	6.69	PK	Vertical	EIRP
5	10089.800	34.91	-88.93	-54.02	**-47.00**	7.02	PK	Vertical	EIRP
6	12037.950	34.03	-88.13	-54.10	**-47.00**	7.10	PK	Vertical	EIRP

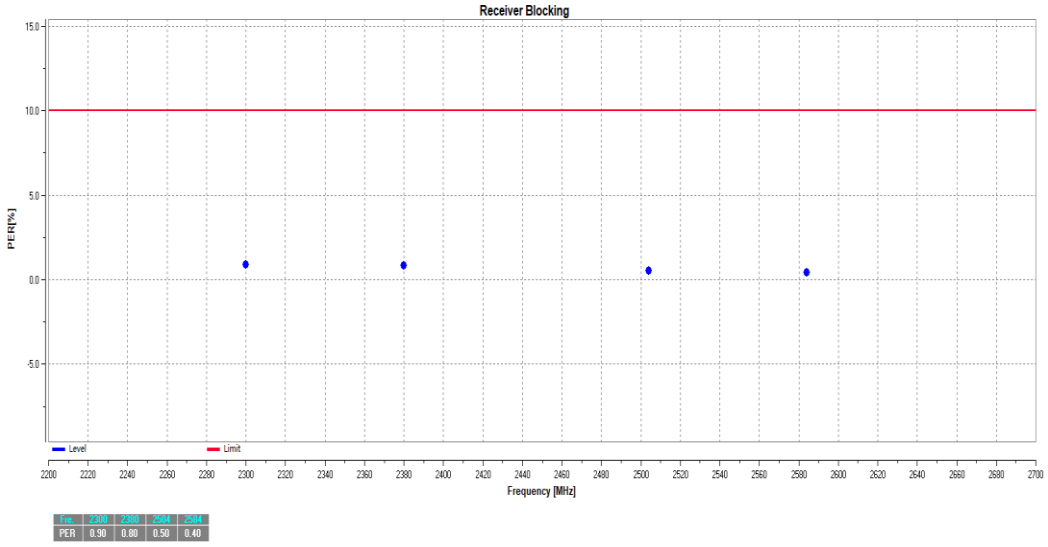
Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

10 Appendix A.10: Receiver Blocking

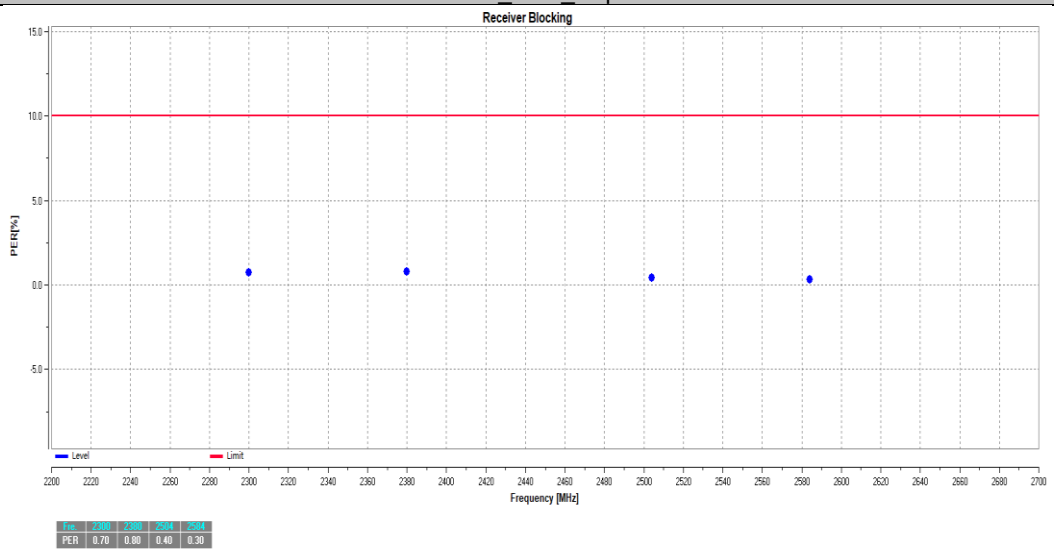
Note: The EUT is category 2 receiver.

Test Mode	Antenna	Channel	Pmin [dBm]	Wanted signal [dBm]	Freq. [MHz]	CW [dBm]	PER [%]	Limit [%]	Verdict
DH1	Ant1	Hop	---	-70.01	2300	-34.29	0.90	≤10	PASS
			---	-70.01	2380	-34.29	0.80	≤10	PASS
			---	-70.01	2504	-34.29	0.50	≤10	PASS
			---	-70.01	2584	-34.29	0.40	≤10	PASS
2DH1	Ant1	Hop	---	-68.63	2300	-34.29	0.70	≤10	PASS
			---	-68.63	2380	-34.29	0.80	≤10	PASS
			---	-68.63	2504	-34.29	0.40	≤10	PASS
			---	-68.63	2584	-34.29	0.30	≤10	PASS

DH1_Ant1_Hop



2DH1_Ant1_Hop



Appendix B

Test Results of Bluetooth Low Energy

Content

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1 Appendix B.1 : RF output power

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

Test Condition	Test Mode	Antenna	Frequency [MHz]	Burst Power [dBm]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
NTNV	BLE_1M	Ant1	2402	3.18	2.89	20	PASS
			2440	3.70	3.41	20	PASS
			2480	3.29	3.00	20	PASS
	BLE_2M	Ant1	2404	2.39	2.10	20	PASS
			2440	3.55	3.26	20	PASS
			2478	3.50	3.21	20	PASS
LTNV	BLE_1M	Ant1	2402	3.17	2.88	20	PASS
			2440	3.71	3.42	20	PASS
			2480	3.29	3.00	20	PASS
	BLE_2M	Ant1	2404	2.38	2.09	20	PASS
			2440	3.56	3.27	20	PASS
			2478	3.51	3.22	20	PASS
HTNV	BLE_1M	Ant1	2402	3.17	2.88	20	PASS
			2440	3.70	3.41	20	PASS
			2480	3.29	3.00	20	PASS
	BLE_2M	Ant1	2404	2.39	2.10	20	PASS
			2440	3.57	3.28	20	PASS
			2478	3.52	3.23	20	PASS

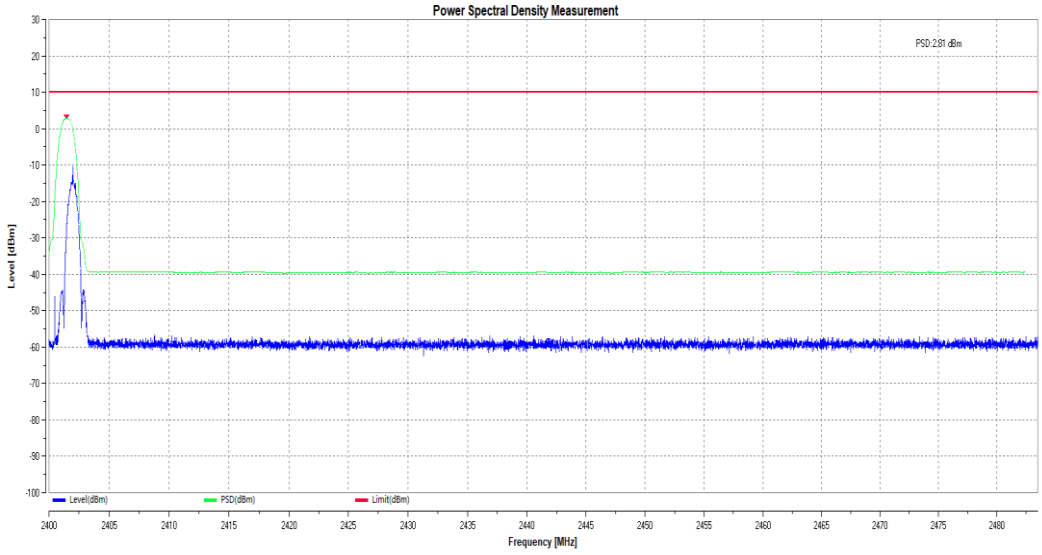
Note: EIRP = Measured Highest Pburst Values + Antenna Gain

2 Appendix B.2: Power density

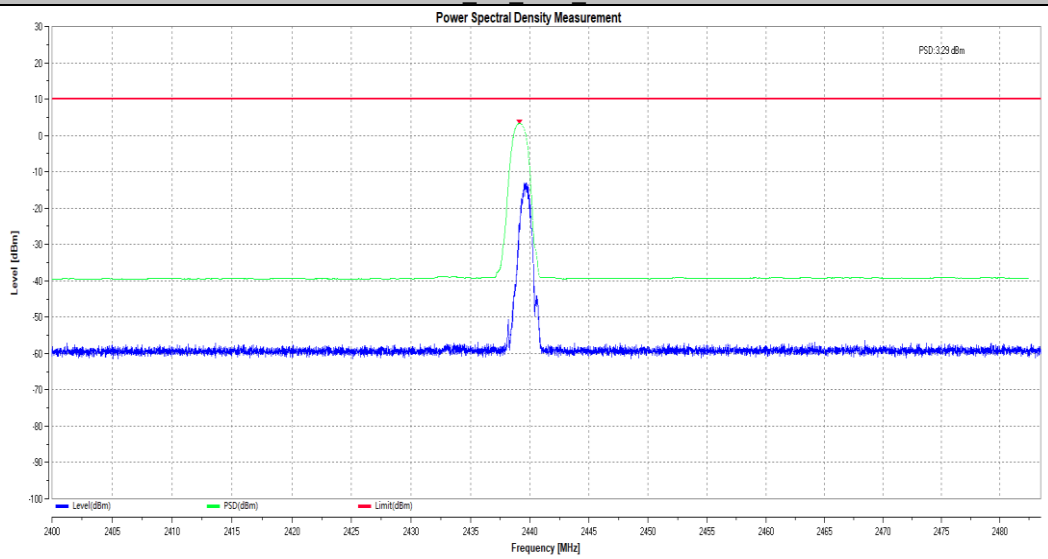
The power density is the mean Equivalent Isotropically Radiated Power (EIRP) density during a transmission burst. Only the worst case for all test modes reported.

Test Mode	Antenna	Frequency [MHz]	EIRP PSD [dBm/MHz]	Limit [dBm/MHz]	Verdict
BLE_1M	Ant1	2402	2.81	10	PASS
		2440	3.29	10	PASS
		2480	2.93	10	PASS
BLE_2M	Ant1	2404	1.03	10	PASS
		2440	2.12	10	PASS
		2478	2.14	10	PASS

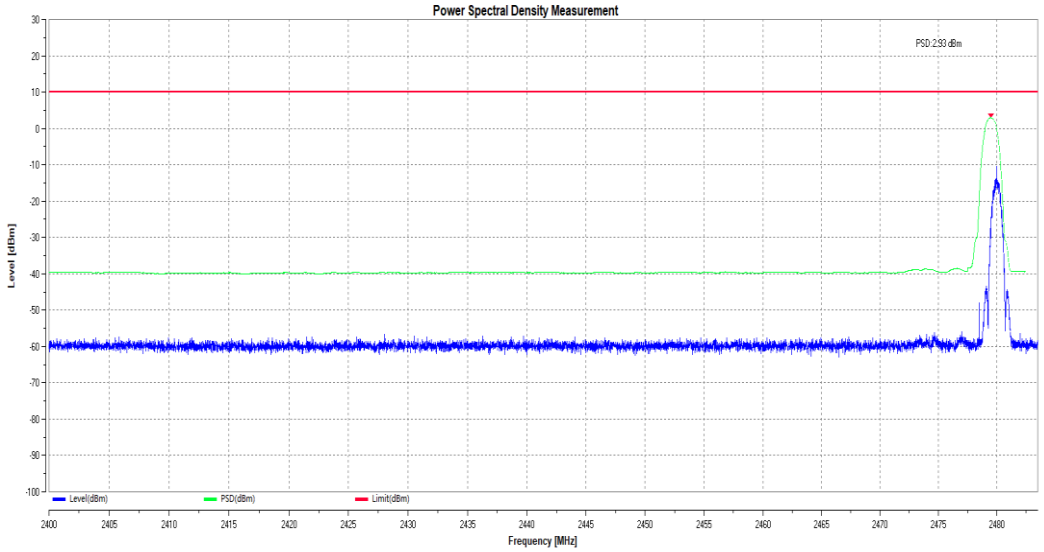
BLE_1M_Ant1_2402



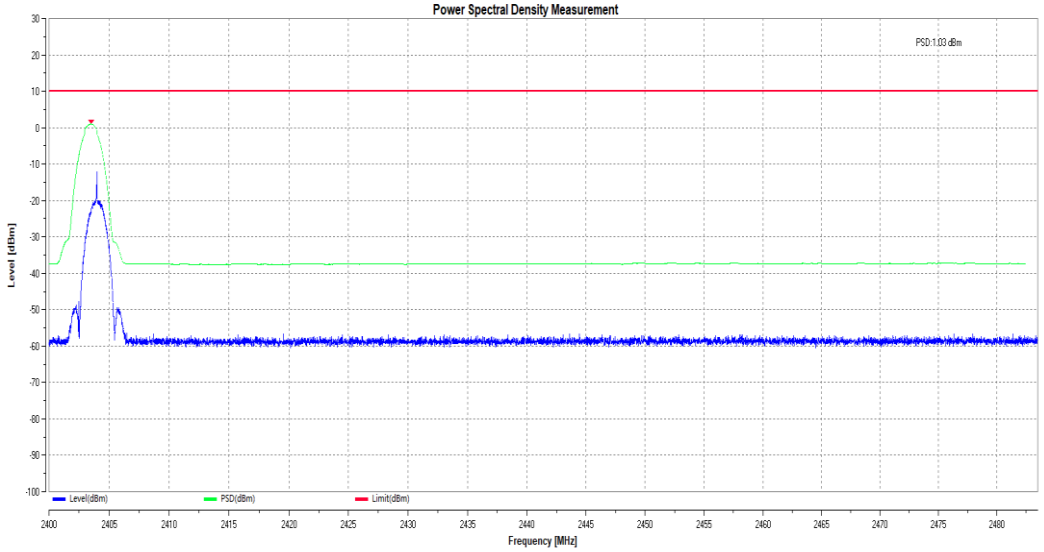
BLE_1M_Ant1_2440



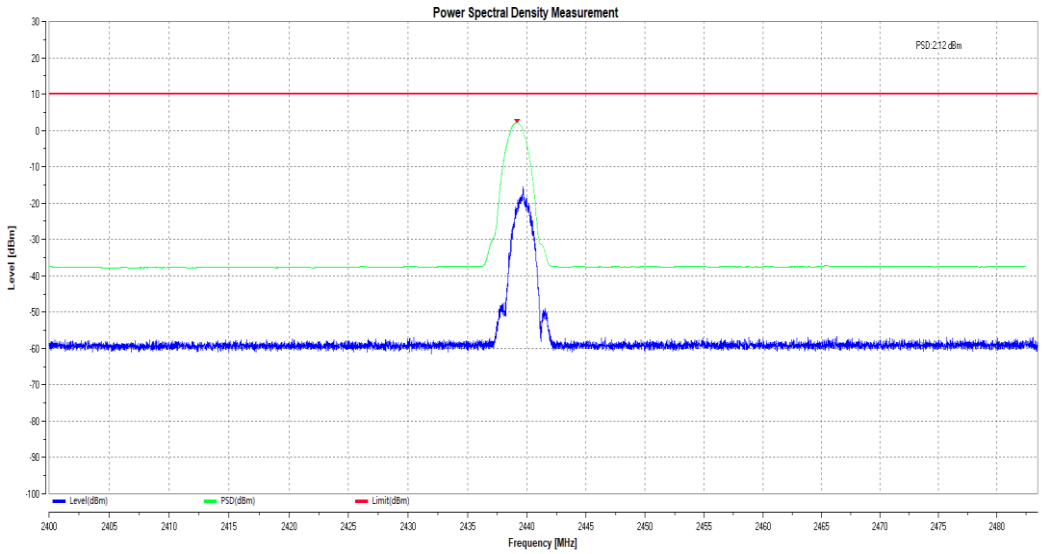
BLE_1M_Ant1_2480



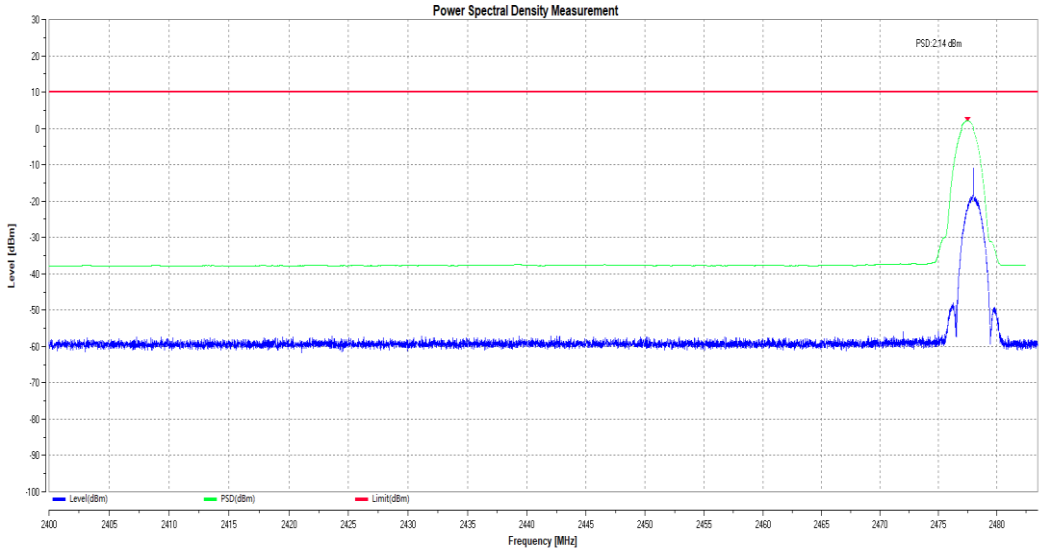
BLE_2M_Ant1_2404



BLE_2M_Ant1_2440



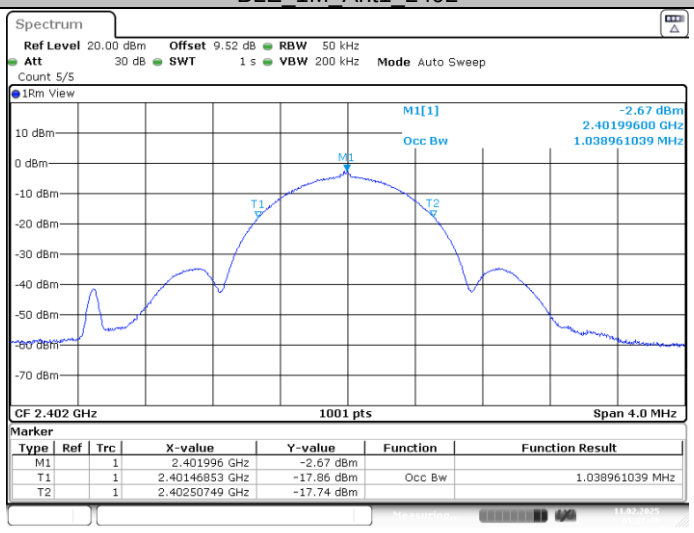
BLE_2M_Ant1_2478



3 Appendix B.3 : Occupied Channel Bandwidth

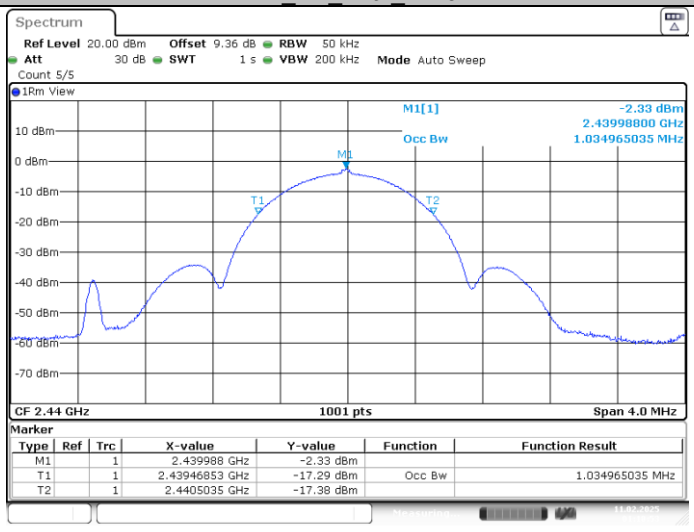
Test Mode	Antenna	Frequency [MHz]	OCB[MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
BLE_1M	Ant1	2402	1.039	2401.4685	2402.5075	2400 to 2483.5	PASS
		2440	1.035	2439.4685	2440.5035	2400 to 2483.5	PASS
		2480	1.035	2479.4685	2480.5035	2400 to 2483.5	PASS
BLE_2M	Ant1	2404	2.056	2402.9630	2405.0190	2400 to 2483.5	PASS
		2440	2.056	2438.9510	2441.0070	2400 to 2483.5	PASS
		2478	2.056	2476.9510	2479.0070	2400 to 2483.5	PASS

BLE_1M_Ant1_2402



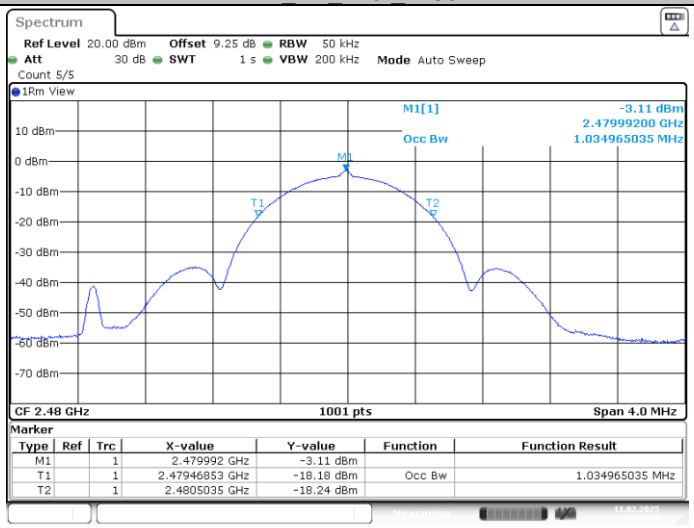
Date: 11.FEB.2025 01:17:49

BLE_1M_Ant1_2440



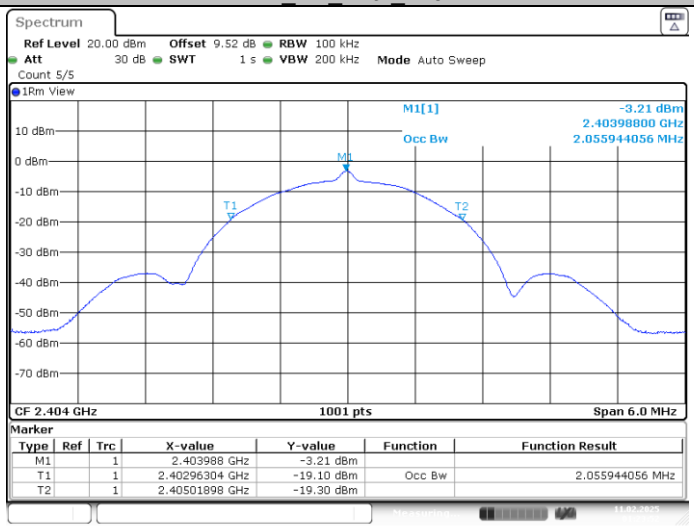
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BLE_1M_Ant1_2480



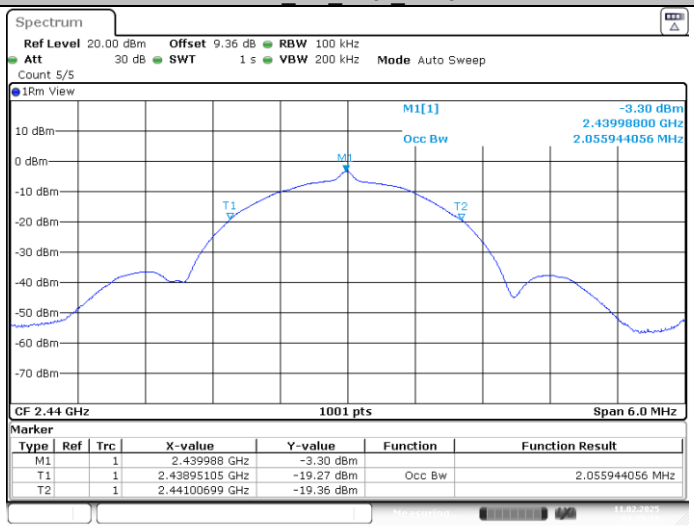
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BLE_2M_Ant1_2404



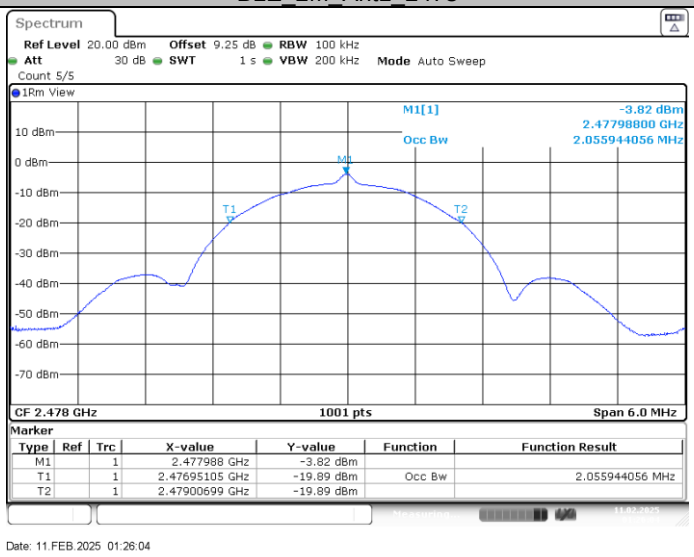
Date: 11.FEB.2025 01:23:52

BLE_2M_Ant1_2440



Date: 11.FEB.2025 01:25:20

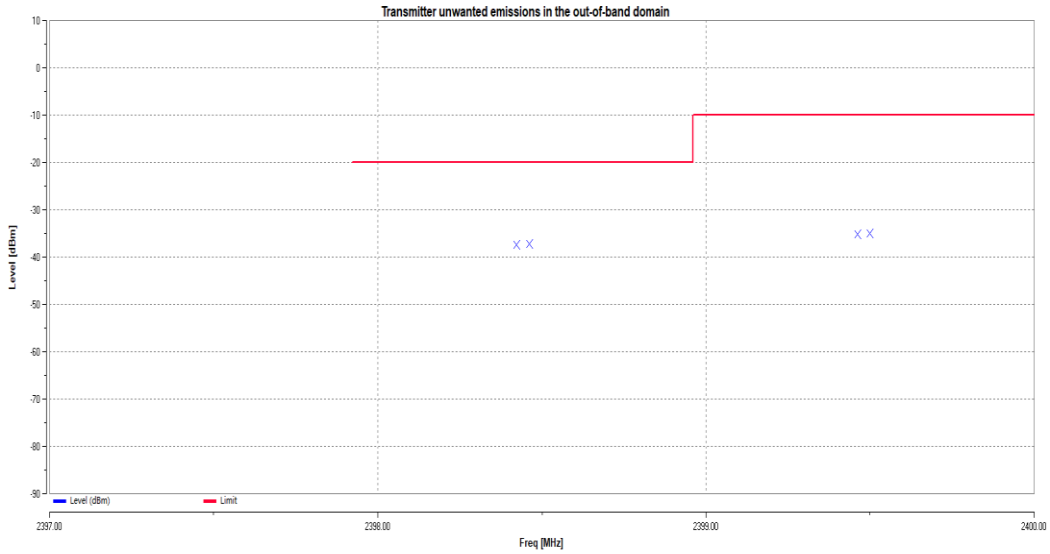
BLE_2M_Ant1_2478



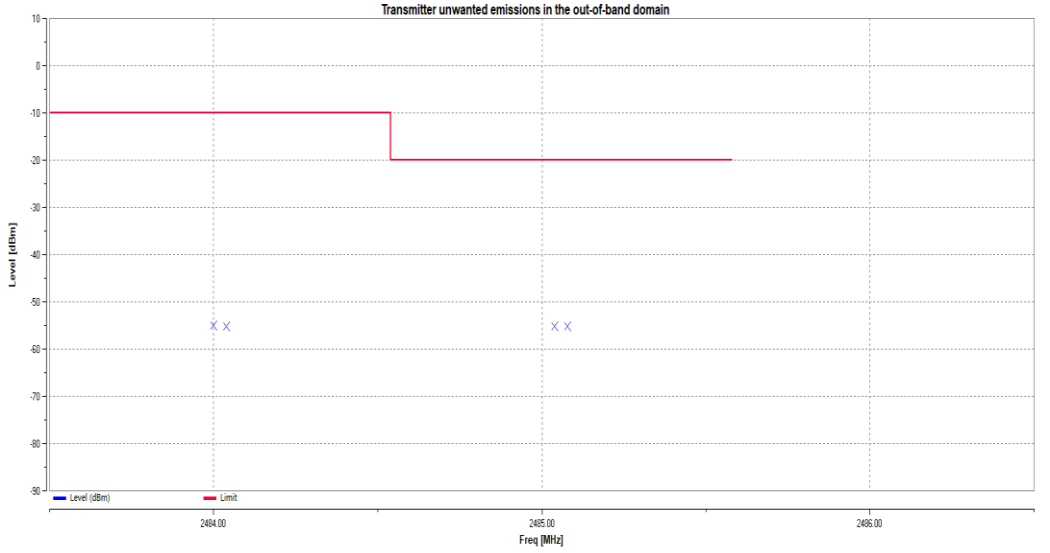
4 Appendix B.4 : Tx unwanted emissions in the out-of-band domain

Test Mode	Antenna	Frequency[MHz]	Freq. [MHz]	Level[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2398.422	-37.41	-20.00	PASS
			2398.461	-37.23	-20.00	PASS
			2399.461	-35.18	-10.00	PASS
			2399.5	-35.02	-10.00	PASS
			2484	-55.05	-10.00	PASS
			2484.039	-55.23	-10.00	PASS
			2485.039	-55.21	-20.00	PASS
			2485.078	-55.14	-20.00	PASS
		2480	2398.43	-55.26	-20.00	PASS
			2398.465	-54.67	-20.00	PASS
			2399.465	-54.91	-10.00	PASS
			2399.5	-54.72	-10.00	PASS
			2484	-46.32	-10.00	PASS
			2484.035	-46.57	-10.00	PASS
			2485.035	-43.54	-20.00	PASS
			2485.07	-43.86	-20.00	PASS
BLE_2M	Ant1	2404	2396.388	-35.84	-20.00	PASS
			2396.444	-35.71	-20.00	PASS
			2397.444	-35.46	-20.00	PASS
			2398.444	-33.62	-10.00	PASS
			2398.5	-33.59	-10.00	PASS
			2399.5	-34.54	-10.00	PASS
			2484	-54.86	-10.00	PASS
			2485	-54.44	-10.00	PASS
			2485.056	-54.87	-10.00	PASS
			2486.056	-54.76	-20.00	PASS
			2487.056	-54.75	-20.00	PASS
			2487.112	-54.66	-20.00	PASS
		2478	2396.388	-54.13	-20.00	PASS
			2396.444	-55.07	-20.00	PASS
			2397.444	-55.10	-20.00	PASS
			2398.444	-55.07	-10.00	PASS
			2398.5	-54.90	-10.00	PASS
			2399.5	-55.34	-10.00	PASS
			2484	-43.73	-10.00	PASS
			2485	-47.29	-10.00	PASS
			2485.056	-48.23	-10.00	PASS
			2486.056	-45.97	-20.00	PASS
			2487.056	-50.15	-20.00	PASS
			2487.112	-50.48	-20.00	PASS

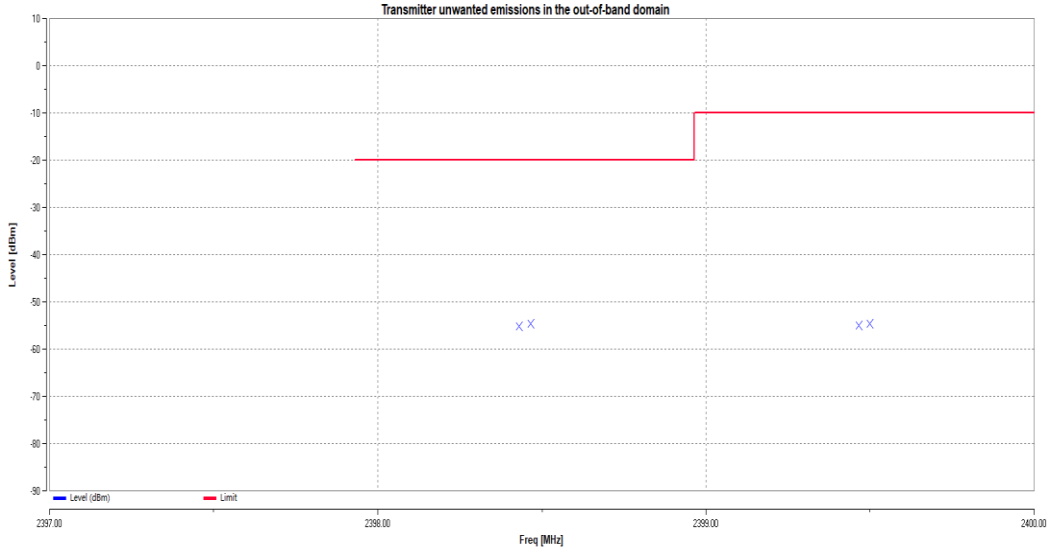
BLE_1M_Ant1_2402_2400MHz-2BW to 2400MHz



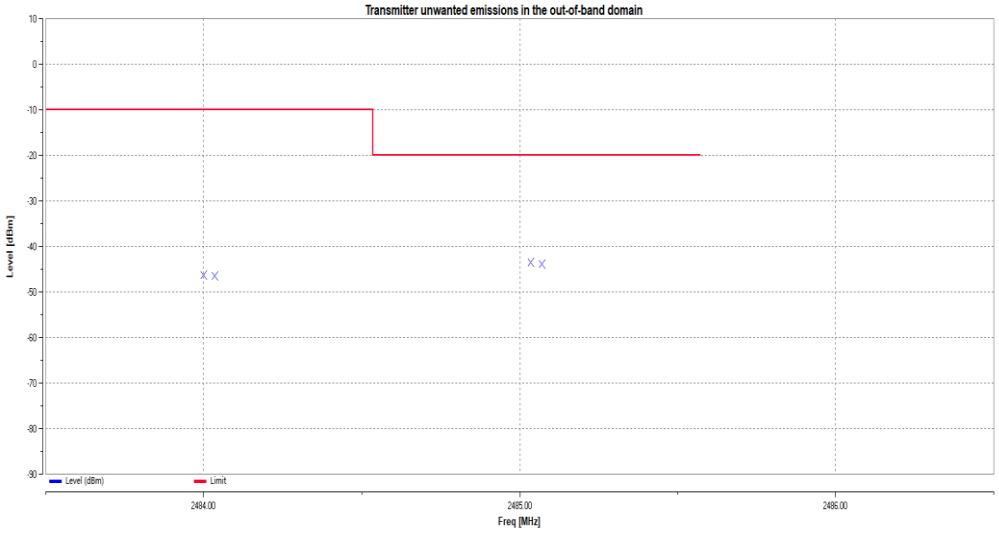
BLE_1M_Ant1_2402_2483.5MHz to 2483.5MHz+2BW



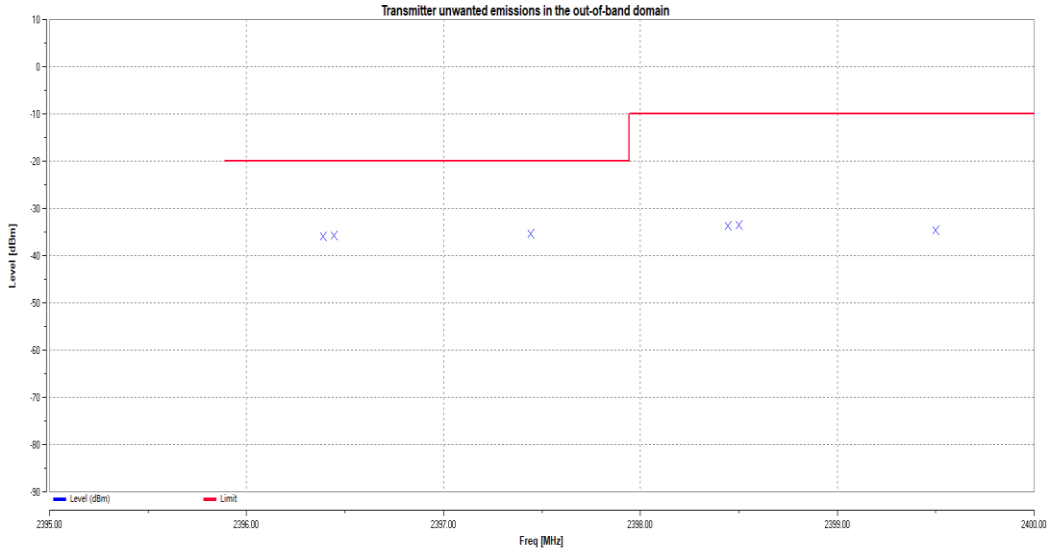
BLE_1M_Ant1_2480_2400MHz-2BW to 2400MHz



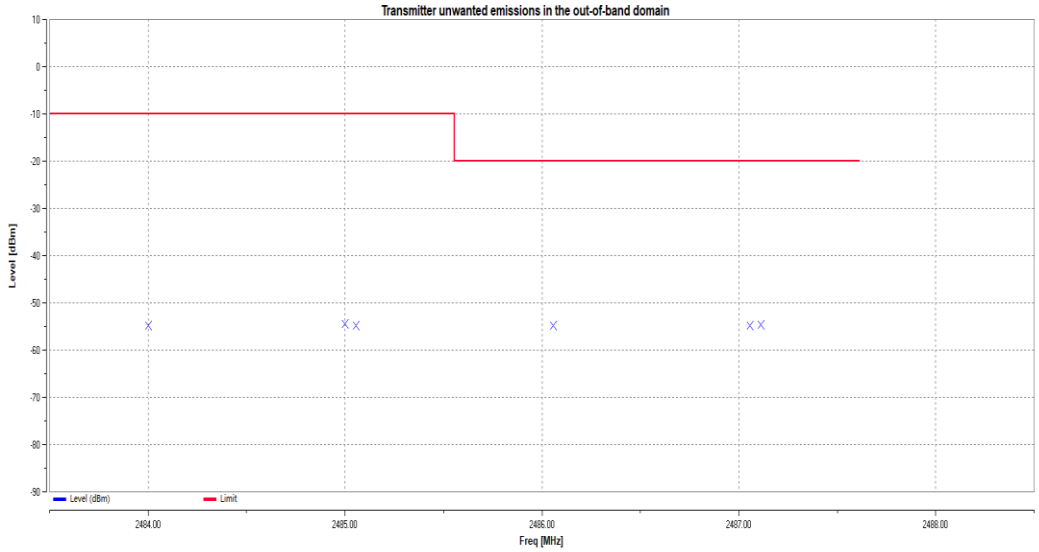
BLE_1M_Ant1_2480_2483.5MHz to 2483.5MHz+2BW



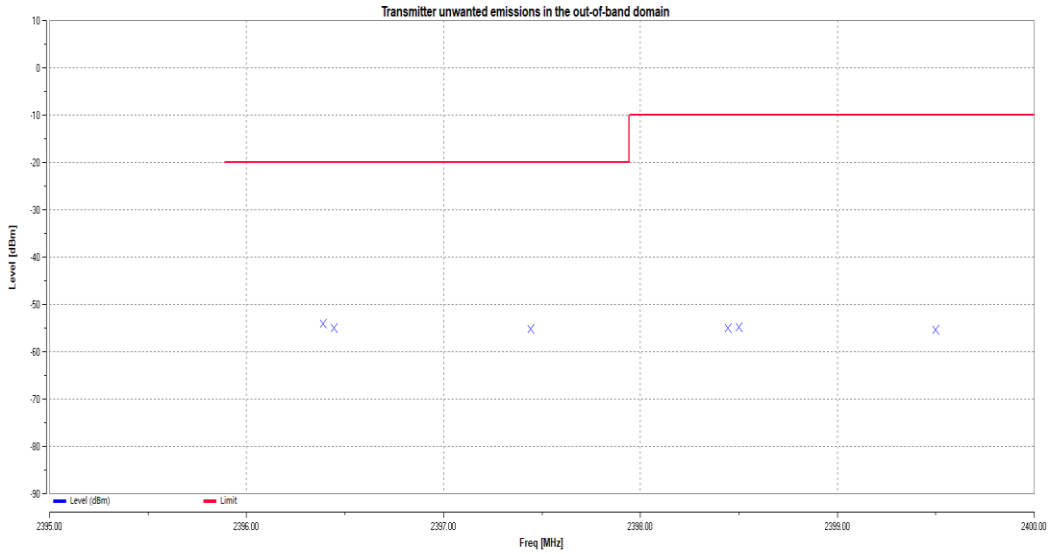
BLE_2M_Ant1_2404_2400MHz-2BW to 2400MHz



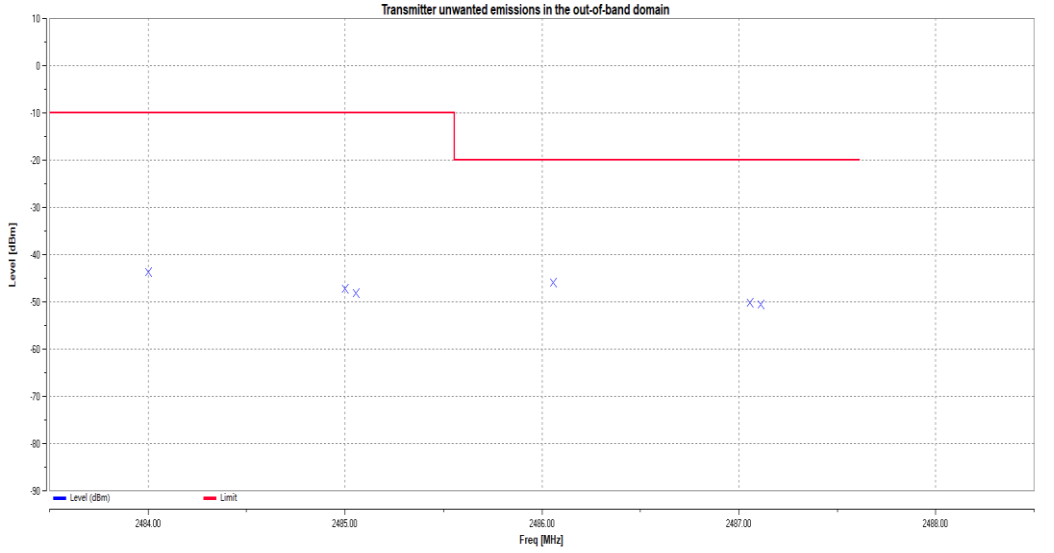
BLE_2M_Ant1_2404_2483.5MHz to 2483.5MHz+2BW



BLE_2M_Ant1_2478_2400MHz-2BW to 2400MHz



BLE_2M_Ant1_2478_2483.5MHz to 2483.5MHz+2BW

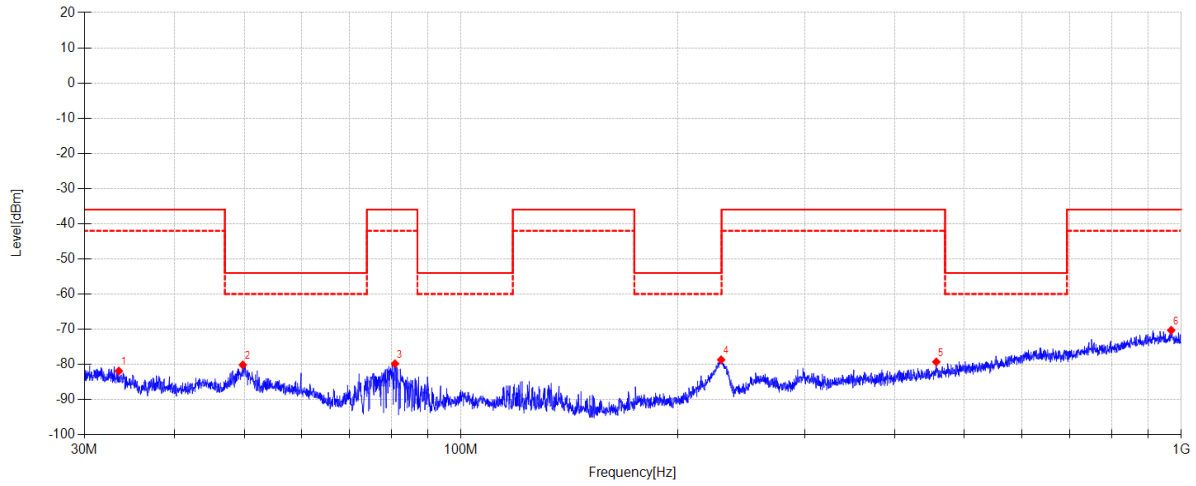


5 Appendix B.5 : Transmitter unwanted emissions

Note: The EUT without antenna connectors.

Test Date:	2025-01-24	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	BLE1M 2402MHz TX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE BELOW1G\21		
Memo:	Sample Number:S25011313-001 Power Setting:8		

Test Graph

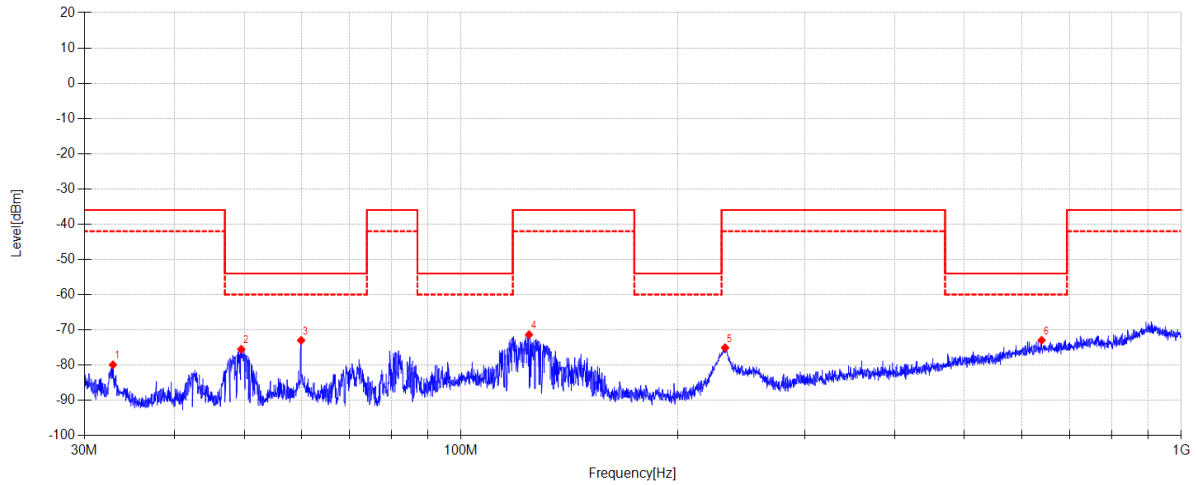


Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	33.491	30.61	-112.48	-81.87	-36.00	45.87	PK	Horizontal	ERP
2	49.772	29.92	-110.05	-80.13	-54.00	26.13	PK	Horizontal	ERP
3	80.968	37.57	-117.37	-79.80	-36.00	43.80	PK	Horizontal	ERP
4	229.682	34.51	-113.19	-78.68	-54.00	24.68	PK	Horizontal	ERP
5	456.938	28.40	-107.68	-79.28	-36.00	43.28	PK	Horizontal	ERP
6	968.261	27.51	-97.79	-70.28	-36.00	34.28	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:	2025-01-24	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	BLE1M 2402MHz TX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE BELOW1G\22		
Memo:	Sample Number:S25011313-001 Power Setting:8		

Test Graph

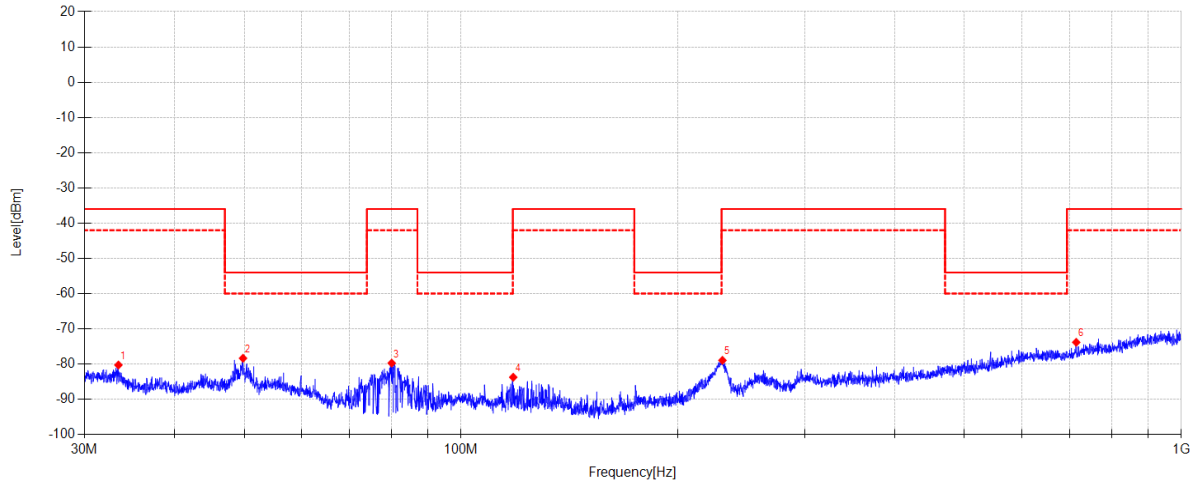


Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	32.863	36.49	-116.40	-79.91	-36.00	43.91	PK	Vertical	ERP
2	49.528	39.36	-114.86	-75.50	-54.00	21.50	PK	Vertical	ERP
3	59.977	41.77	-114.74	-72.97	-54.00	18.97	PK	Vertical	ERP
4	124.272	40.47	-111.82	-71.35	-36.00	35.35	PK	Vertical	ERP
5	232.600	37.64	-112.72	-75.08	-36.00	39.08	PK	Vertical	ERP
6	639.770	27.84	-100.79	-72.95	-54.00	18.95	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:	2025-01-24	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	BLE1M 2480MHz TX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE BELOW1G\19		
Memo:	Sample Number:S25011313-001 Power Setting:8		

Test Graph

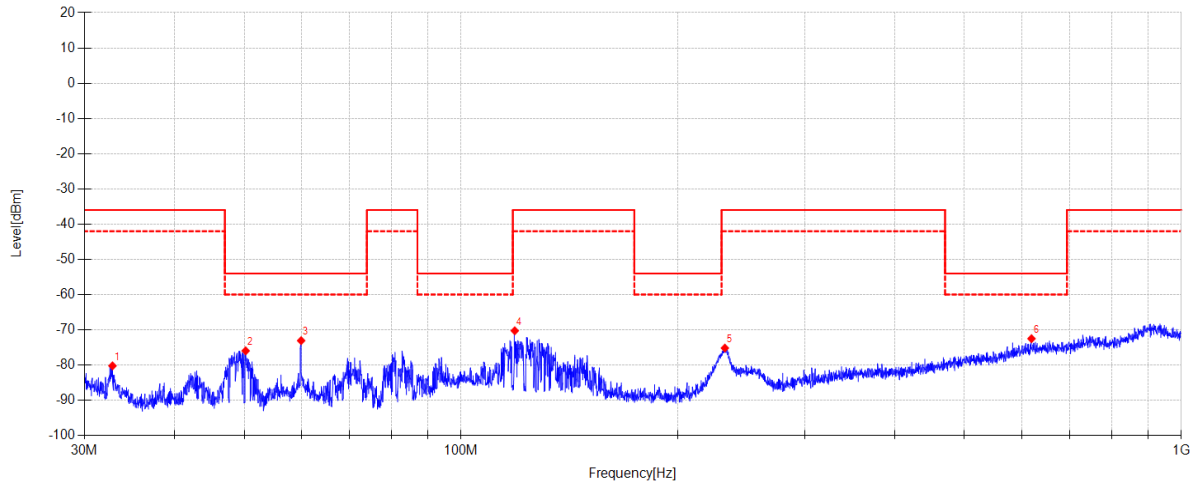


Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	33.444	32.24	-112.49	-80.25	-36.00	44.25	PK	Horizontal	ERP
2	49.806	31.70	-110.04	-78.34	-54.00	24.34	PK	Horizontal	ERP
3	80.121	37.72	-117.43	-79.71	-36.00	43.71	PK	Horizontal	ERP
4	118.154	32.50	-116.22	-83.72	-36.00	47.72	PK	Horizontal	ERP
5	230.651	34.20	-113.13	-78.93	-36.00	42.93	PK	Horizontal	ERP
6	714.722	28.96	-102.77	-73.81	-36.00	37.81	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:	2025-01-24	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	BLE1M 2480MHz TX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE BELOW1G\20		
Memo:	Sample Number:S25011313-001 Power Setting:8		

Test Graph

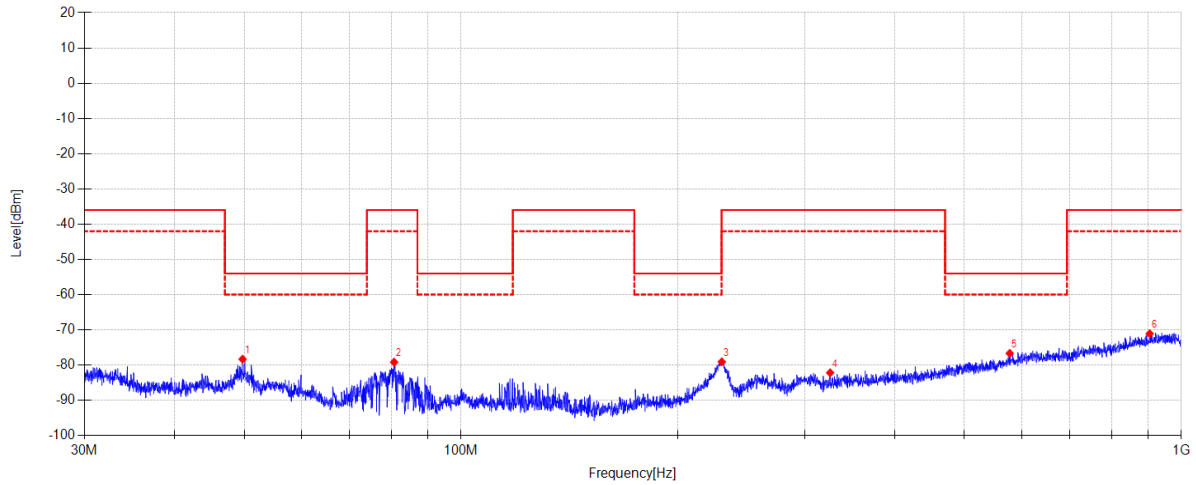


Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	32.817	36.19	-116.40	-80.21	-36.00	44.21	PK	Vertical	ERP
2	50.227	38.87	-114.82	-75.95	-54.00	21.95	PK	Vertical	ERP
3	59.977	41.68	-114.74	-73.06	-54.00	19.06	PK	Vertical	ERP
4	118.735	41.18	-111.43	-70.25	-36.00	34.25	PK	Vertical	ERP
5	232.437	37.55	-112.71	-75.16	-36.00	39.16	PK	Vertical	ERP
6	619.464	28.61	-101.11	-72.50	-54.00	18.50	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:	2025-01-24	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	BLE2M 2404MHz TX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE BELOW1G\23		
Memo:	Sample Number:S25011313-001 Power Setting:8		

Test Graph

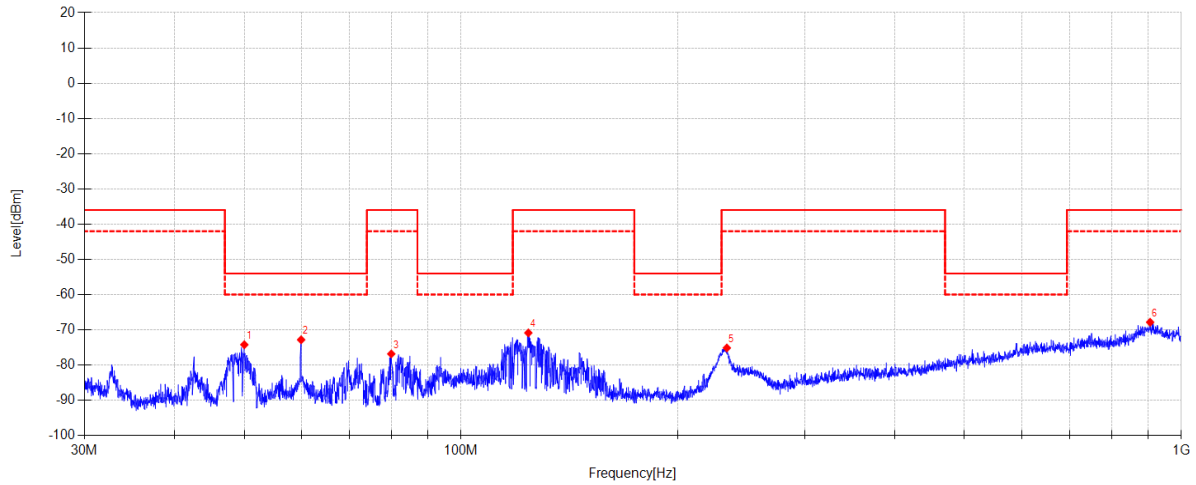


Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	49.737	31.75	-110.05	-78.30	-54.00	24.30	PK	Horizontal	ERP
2	80.741	38.23	-117.39	-79.16	-36.00	43.16	PK	Horizontal	ERP
3	230.166	34.10	-113.16	-79.06	-36.00	43.06	PK	Horizontal	ERP
4	325.441	27.87	-110.03	-82.16	-36.00	46.16	PK	Horizontal	ERP
5	577.922	27.91	-104.57	-76.66	-54.00	22.66	PK	Horizontal	ERP
6	903.961	27.67	-98.75	-71.08	-36.00	35.08	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:	2025-01-24	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	BLE2M 2404MHz TX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE BELOW1G\24		
Memo:	Sample Number:S25011313-001 Power Setting:8		

Test Graph

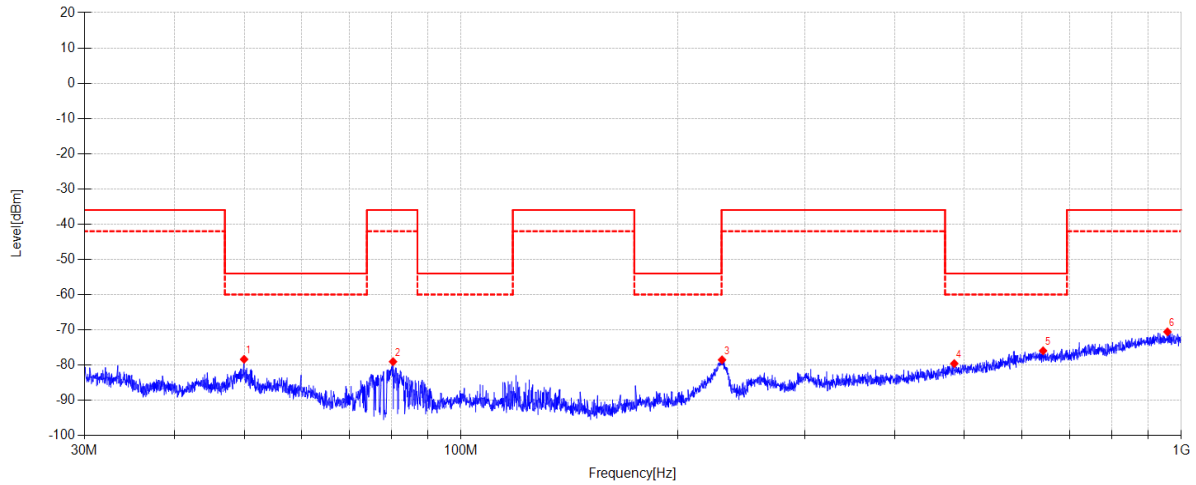


Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	50.016	40.62	-114.82	-74.20	-54.00	20.20	PK	Vertical	ERP
2	59.977	41.93	-114.74	-72.81	-54.00	18.81	PK	Vertical	ERP
3	80.009	39.66	-116.47	-76.81	-36.00	40.81	PK	Vertical	ERP
4	124.011	40.95	-111.80	-70.85	-36.00	34.85	PK	Vertical	ERP
5	233.908	37.56	-112.68	-75.12	-36.00	39.12	PK	Vertical	ERP
6	905.230	27.34	-95.17	-67.83	-36.00	31.83	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:	2025-01-24	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	BLE2M 2478MHz TX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE BELOW1G\25		
Memo:	Sample Number:S25011313-001 Power Setting:8		

Test Graph

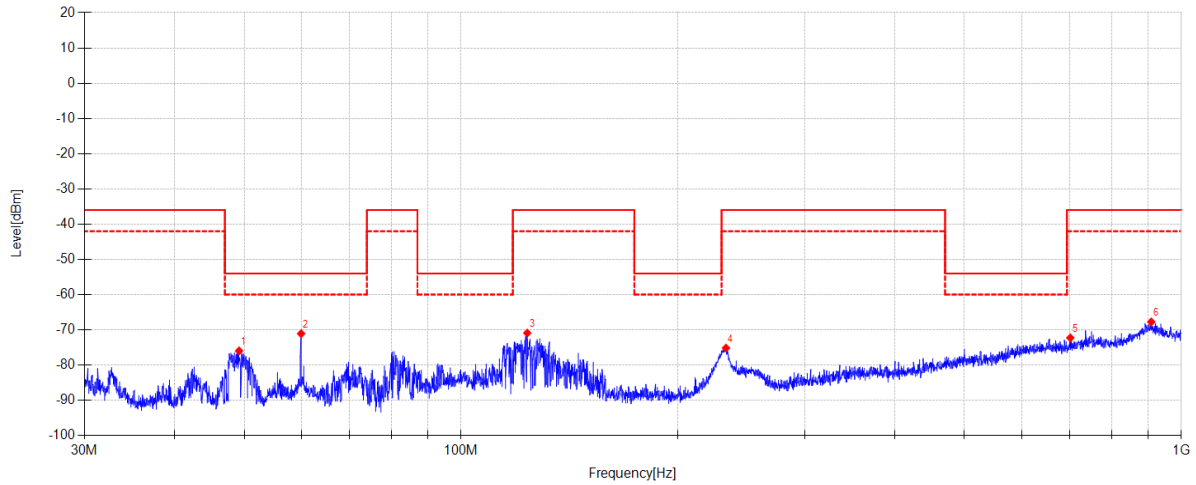


Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	49.981	31.66	-110.02	-78.36	-54.00	24.36	PK	Horizontal	ERP
2	80.459	38.38	-117.41	-79.03	-36.00	43.03	PK	Horizontal	ERP
3	230.328	34.64	-113.15	-78.51	-36.00	42.51	PK	Horizontal	ERP
4	483.980	27.19	-106.75	-79.56	-54.00	25.56	PK	Horizontal	ERP
5	642.918	27.24	-103.18	-75.94	-54.00	21.94	PK	Horizontal	ERP
6	956.788	27.01	-97.58	-70.57	-36.00	34.57	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:	2025-01-24	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	BLE2M 2478MHz TX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE BELOW1G\26		
Memo:	Sample Number:S25011313-001 Power Setting:8		

Test Graph

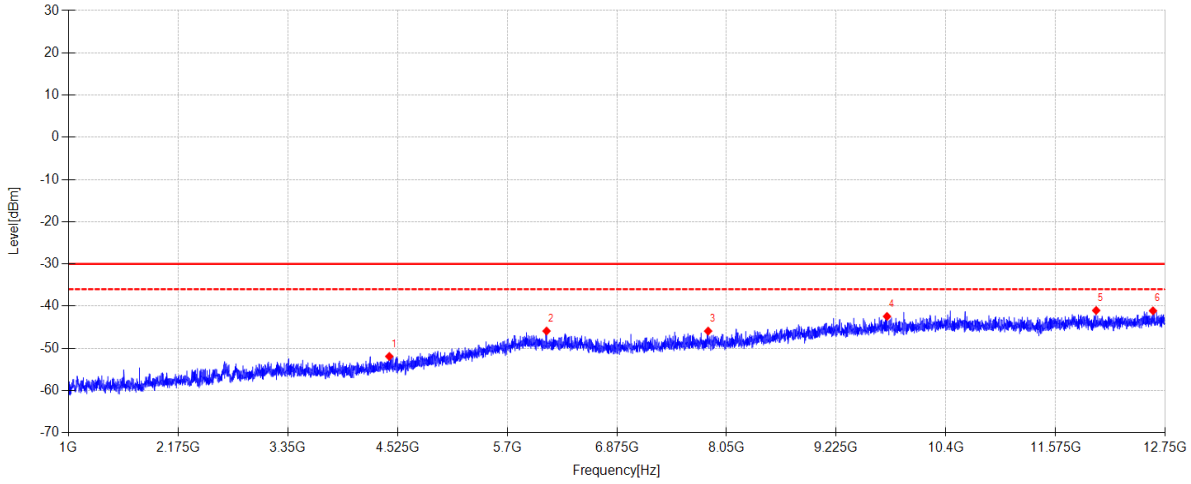


Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	49.182	38.93	-114.89	-75.96	-54.00	21.96	PK	Vertical	ERP
2	59.977	43.67	-114.74	-71.07	-54.00	17.07	PK	Vertical	ERP
3	123.577	40.86	-111.76	-70.90	-36.00	34.90	PK	Vertical	ERP
4	233.253	37.54	-112.70	-75.16	-36.00	39.16	PK	Vertical	ERP
5	701.319	28.45	-100.71	-72.26	-36.00	36.26	PK	Vertical	ERP
6	908.409	27.48	-95.22	-67.74	-36.00	31.74	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:	2025-01-23	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	BLE1M 2402MHz TX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE ABOVE1G\5		
Memo:	Sample Number:S25011313-001 Power Setting:8		

Test Graph



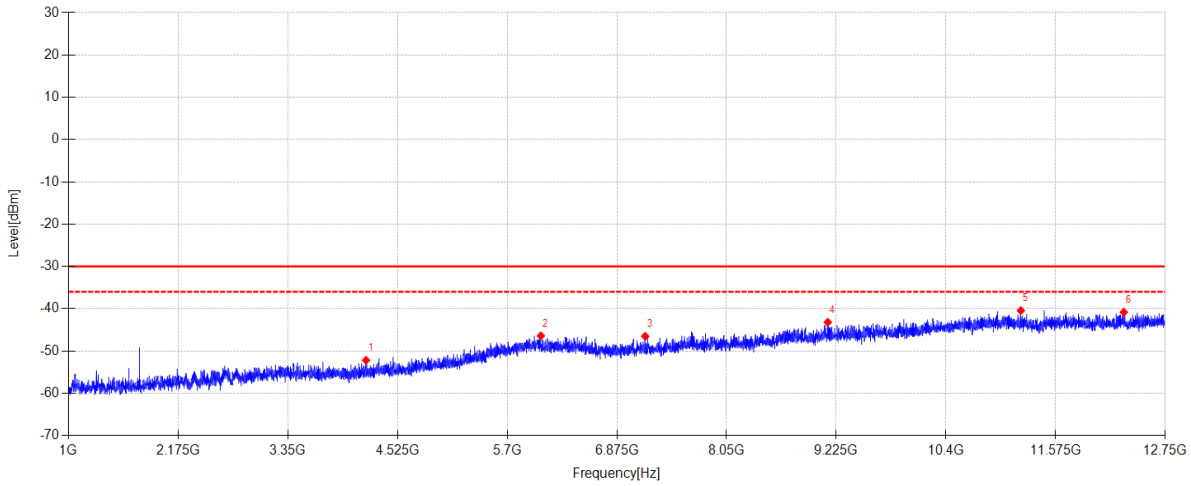
Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	4436.875	47.45	-99.35	-51.90	**-30.00**	21.90	PK	Horizontal	EIRP
2	6121.825	47.83	-93.72	-45.89	**-30.00**	15.89	PK	Horizontal	EIRP
3	7852.600	47.17	-93.07	-45.90	**-30.00**	15.90	PK	Horizontal	EIRP
4	9769.025	45.89	-88.32	-42.43	**-30.00**	12.43	PK	Horizontal	EIRP
5	12009.750	46.88	-87.90	-41.02	**-30.00**	11.02	PK	Horizontal	EIRP
6	12618.400	46.82	-87.93	-41.11	**-30.00**	11.11	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:	2025-01-23	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	BLE1M 2402MHz TX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE ABOVE1G\6		
Memo:	Sample Number:S25011313-001 Power Setting:8		

Test Graph

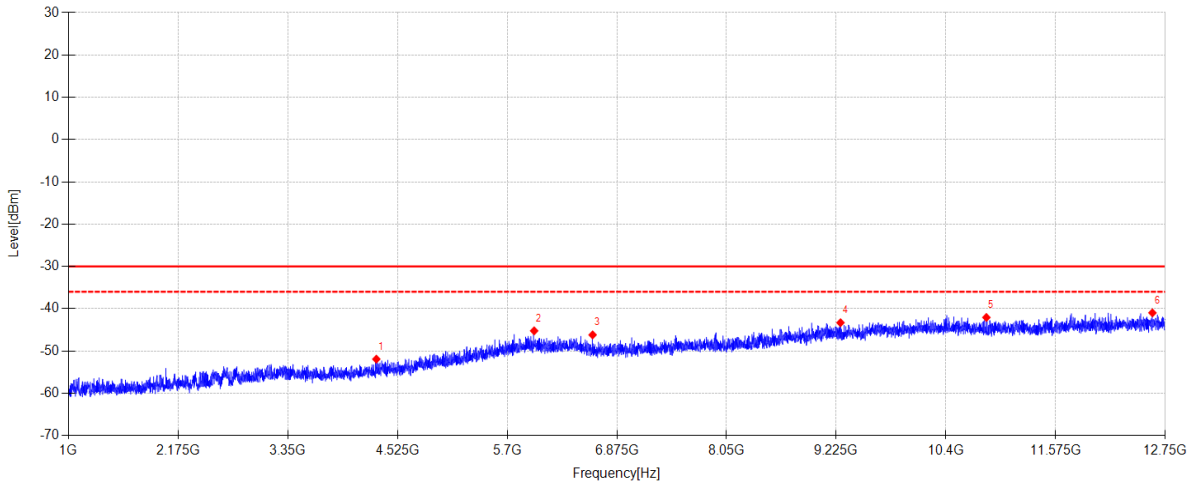


Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	4187.775	47.99	-100.17	-52.18	**-30.00**	22.18	PK	Vertical	EIRP
2	6060.725	47.20	-93.62	-46.42	**-30.00**	16.42	PK	Vertical	EIRP
3	7178.150	48.12	-94.63	-46.51	**-30.00**	16.51	PK	Vertical	EIRP
4	9134.525	46.37	-89.55	-43.18	**-30.00**	13.18	PK	Vertical	EIRP
5	11202.525	46.41	-86.84	-40.43	**-30.00**	10.43	PK	Vertical	EIRP
6	12305.850	46.64	-87.47	-40.83	**-30.00**	10.83	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:	2025-01-23	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	BLE1M 2480MHz TX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE ABOVE1G\7		
Memo:	Sample Number:S25011313-001 Power Setting:8		

Test Graph

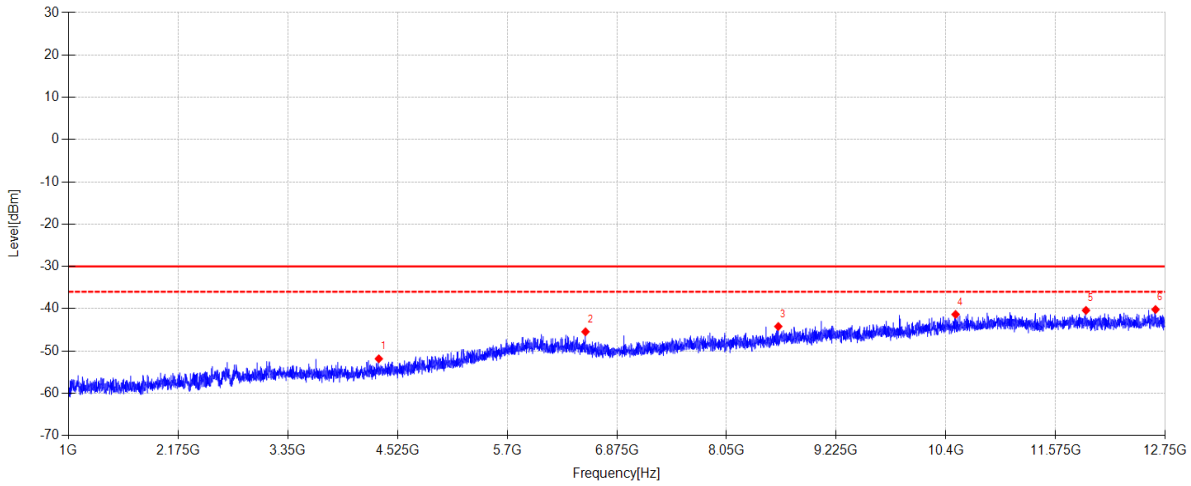


Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	4298.225	47.82	-99.74	-51.92	**-30.00**	21.92	PK	Horizontal	EIRP
2	5989.050	48.38	-93.60	-45.22	**-30.00**	15.22	PK	Horizontal	EIRP
3	6615.325	48.24	-94.42	-46.18	**-30.00**	16.18	PK	Horizontal	EIRP
4	9270.825	45.69	-88.99	-43.30	**-30.00**	13.30	PK	Horizontal	EIRP
5	10833.575	46.00	-88.06	-42.06	**-30.00**	12.06	PK	Horizontal	EIRP
6	12612.525	46.96	-87.93	-40.97	**-30.00**	10.97	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:	2025-01-23	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	BLE1M 2480MHz TX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE ABOVE1G\8		
Memo:	Sample Number:S25011313-001 Power Setting:8		

Test Graph

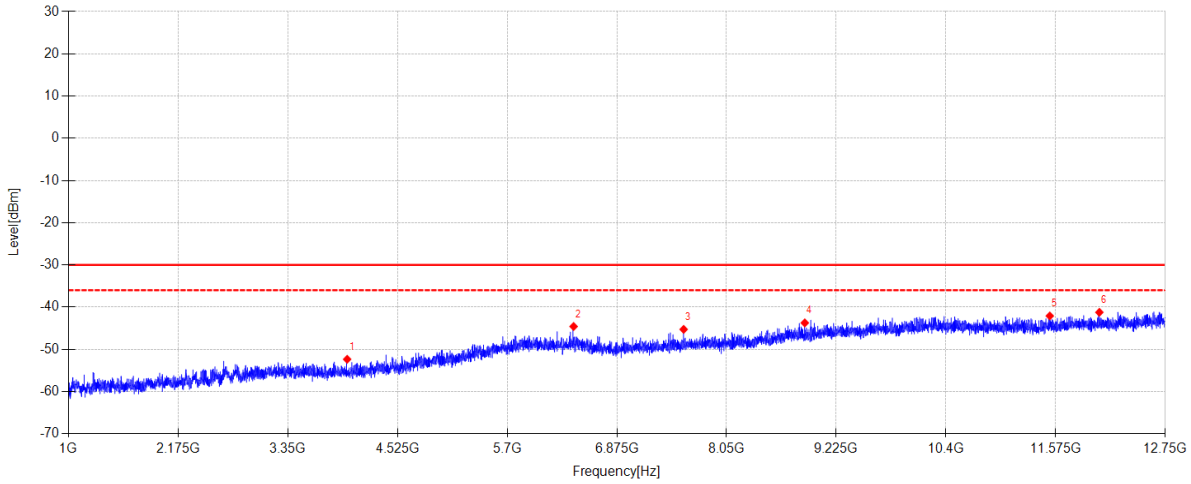


Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	4325.250	48.01	-99.84	-51.83	**-30.00**	21.83	PK	Vertical	EIRP
2	6538.950	48.93	-94.38	-45.45	**-30.00**	15.45	PK	Vertical	EIRP
3	8604.600	46.55	-90.74	-44.19	**-30.00**	14.19	PK	Vertical	EIRP
4	10503.400	46.27	-87.61	-41.34	**-30.00**	11.34	PK	Vertical	EIRP
5	11900.475	46.89	-87.28	-40.39	**-30.00**	10.39	PK	Vertical	EIRP
6	12645.425	47.43	-87.61	-40.18	**-30.00**	10.18	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:	2025-01-23	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	BLE2M 2404MHz TX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE ABOVE1G\3		
Memo:	Sample Number:S25011313-001 Power Setting:8		

Test Graph



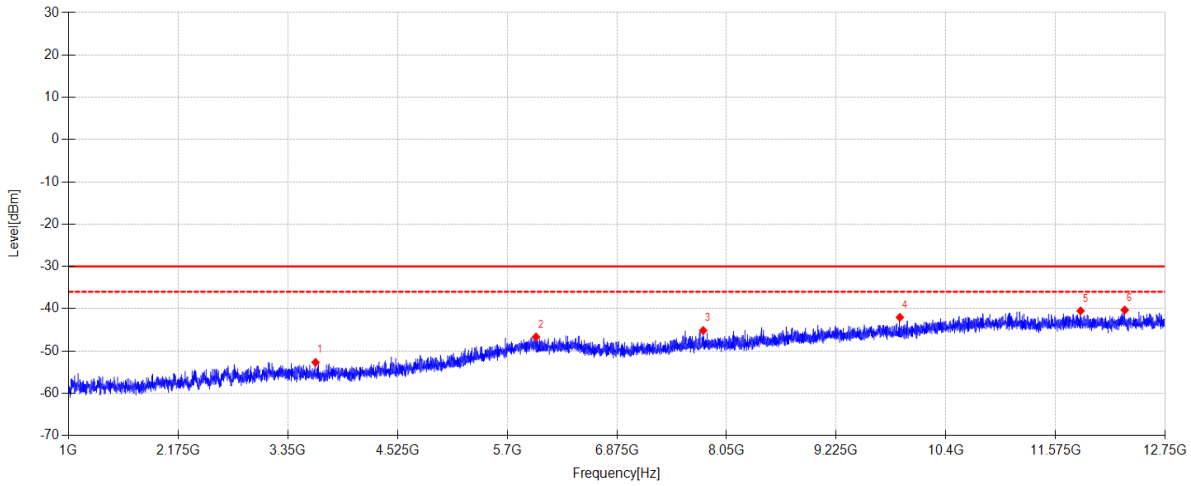
Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	3985.675	48.27	-100.62	-52.35	**-30.00**	22.35	PK	Horizontal	EIRP
2	6412.050	49.56	-94.14	-44.58	**-30.00**	14.58	PK	Horizontal	EIRP
3	7590.575	48.40	-93.66	-45.26	**-30.00**	15.26	PK	Horizontal	EIRP
4	8887.775	46.02	-89.75	-43.73	**-30.00**	13.73	PK	Horizontal	EIRP
5	11512.725	45.90	-87.98	-42.08	**-30.00**	12.08	PK	Horizontal	EIRP
6	12043.825	46.67	-87.89	-41.22	**-30.00**	11.22	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:	2025-01-23	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	BLE2M 2404MHz TX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE ABOVE1G\4		
Memo:	Sample Number:S25011313-001 Power Setting:8		

Test Graph

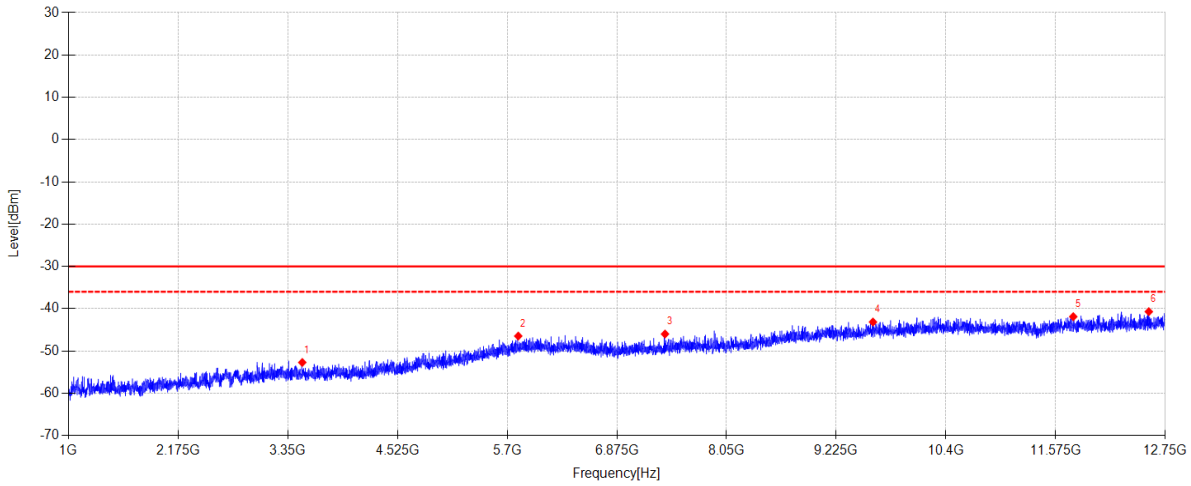


Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	3647.275	48.43	-101.11	-52.68	**-30.00**	22.68	PK	Vertical	EIRP
2	6009.025	46.86	-93.53	-46.67	**-30.00**	16.67	PK	Vertical	EIRP
3	7799.725	47.74	-92.89	-45.15	**-30.00**	15.15	PK	Vertical	EIRP
4	9906.500	46.58	-88.62	-42.04	**-30.00**	12.04	PK	Vertical	EIRP
5	11842.900	46.74	-87.25	-40.51	**-30.00**	10.51	PK	Vertical	EIRP
6	12315.250	47.17	-87.48	-40.31	**-30.00**	10.31	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:	2025-01-23	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	BLE2M 2478MHz TX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE ABOVE1G\1		
Memo:	Sample Number:S25011313-001 Power Setting:8		

Test Graph

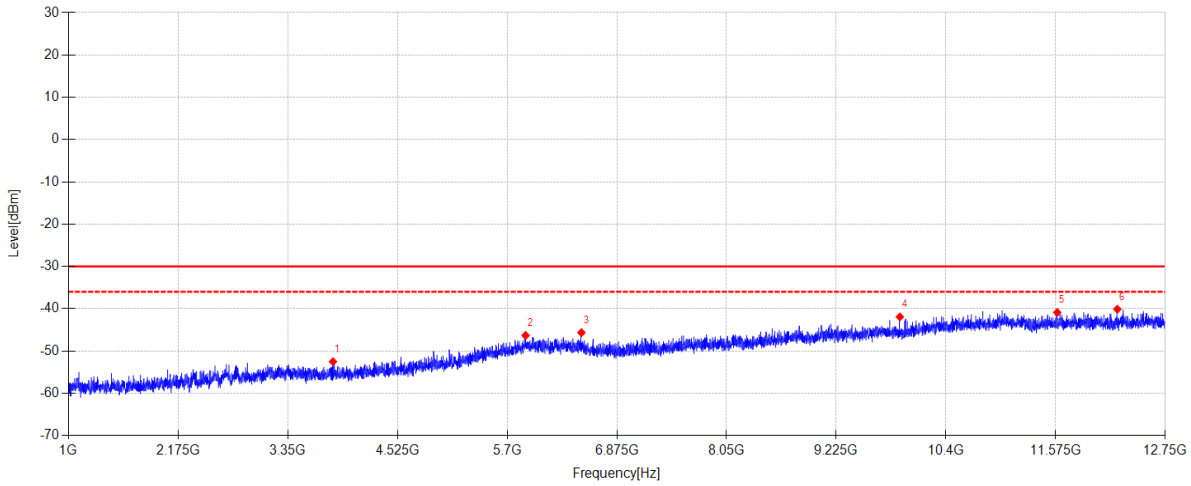


Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	3505.100	48.62	-101.32	-52.70	**-30.00**	22.70	PK	Horizontal	EIRP
2	5818.675	47.85	-94.31	-46.46	**-30.00**	16.46	PK	Horizontal	EIRP
3	7390.825	48.12	-94.10	-45.98	**-30.00**	15.98	PK	Horizontal	EIRP
4	9618.625	45.38	-88.52	-43.14	**-30.00**	13.14	PK	Horizontal	EIRP
5	11764.175	46.05	-87.93	-41.88	**-30.00**	11.88	PK	Horizontal	EIRP
6	12573.750	47.24	-87.93	-40.69	**-30.00**	10.69	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:	2025-01-23	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	BLE2M 2478MHz TX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE ABOVE1G\2		
Memo:	Sample Number:S25011313-001 Power Setting:8		

Test Graph



Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	3834.100	48.35	-100.85	-52.50	**-30.00**	22.50	PK	Vertical	EIRP
2	5897.400	47.69	-94.00	-46.31	**-30.00**	16.31	PK	Vertical	EIRP
3	6495.475	48.66	-94.31	-45.65	**-30.00**	15.65	PK	Vertical	EIRP
4	9906.500	46.70	-88.62	-41.92	**-30.00**	11.92	PK	Vertical	EIRP
5	11592.625	46.21	-87.09	-40.88	**-30.00**	10.88	PK	Vertical	EIRP
6	12236.525	47.32	-87.44	-40.12	**-30.00**	10.12	PK	Vertical	EIRP

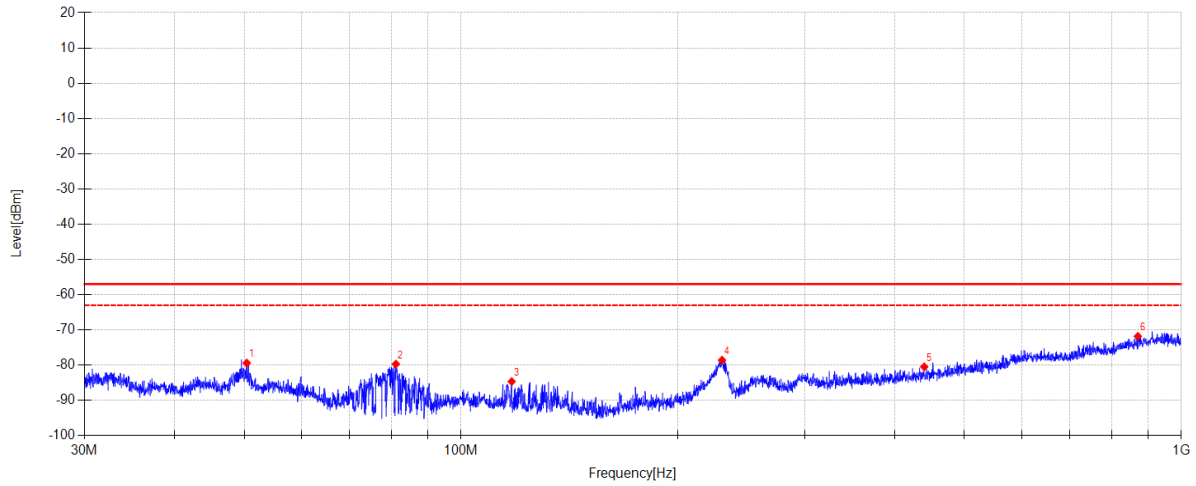
Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

6 Appendix B.6 : Receiver spurious emissions

Note: The EUT without antenna connectors.

Test Date:	2025-01-24	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	BLE1M 2402MHz RX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE BELOW1G\7		
Memo:	Sample Number:S25011313-001		

Test Graph



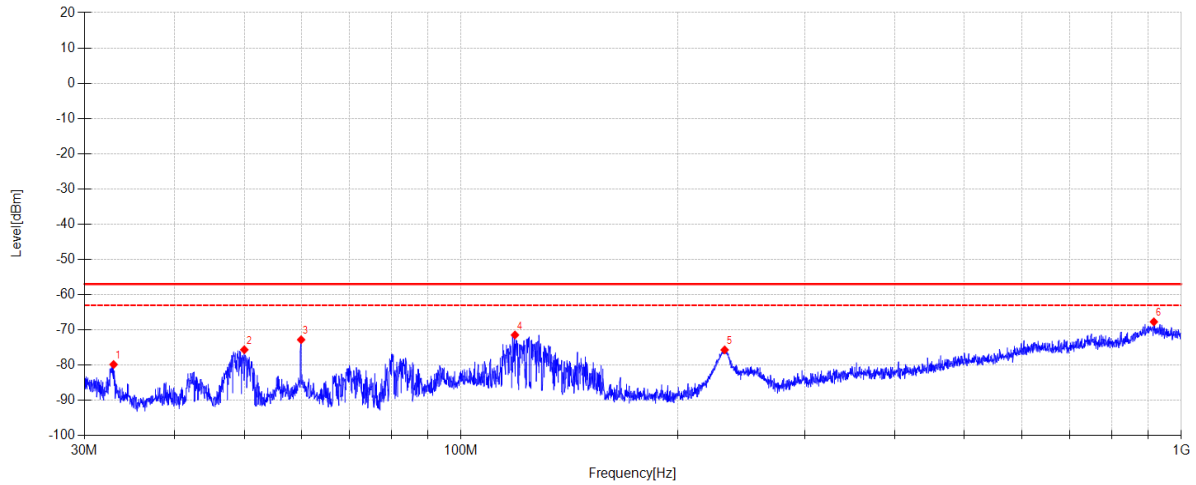
Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	50.404	30.72	-110.12	-79.40	-57.00	22.40	PK	Horizontal	ERP
2	81.196	37.65	-117.36	-79.71	-57.00	22.71	PK	Horizontal	ERP
3	117.575	31.55	-116.20	-84.65	-57.00	27.65	PK	Horizontal	ERP
4	230.328	34.56	-113.15	-78.59	-57.00	21.59	PK	Horizontal	ERP
5	439.652	27.54	-108.03	-80.49	-57.00	23.49	PK	Horizontal	ERP
6	870.374	27.57	-99.40	-71.83	-57.00	14.83	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:	2025-01-24	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	BLE1M 2402MHz RX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE BELOW1G\8		
Memo:	Sample Number:S25011313-001		

Test Graph



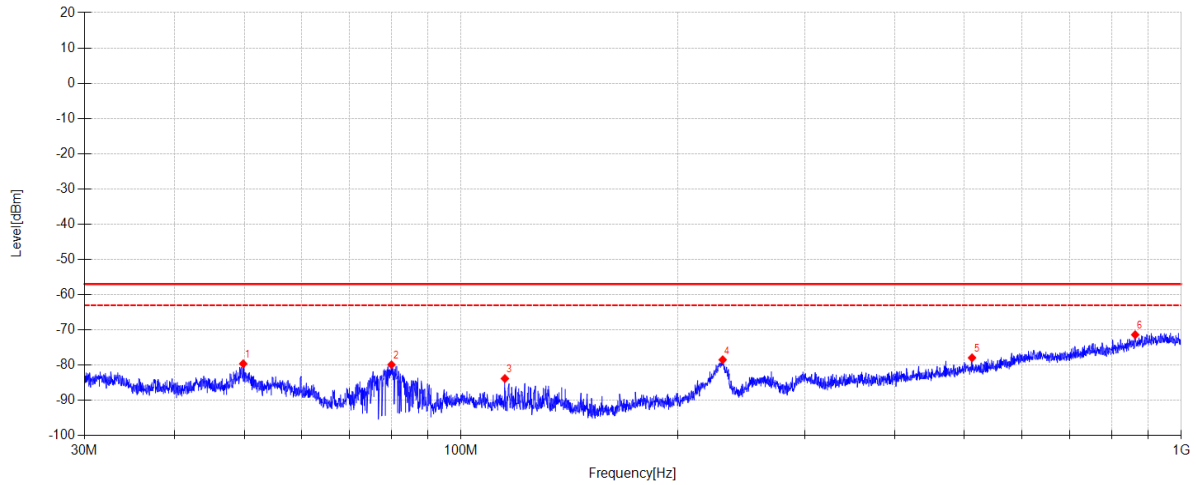
Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	32.932	36.57	-116.39	-79.82	-57.00	22.82	PK	Vertical	ERP
2	50.016	39.18	-114.82	-75.64	-57.00	18.64	PK	Vertical	ERP
3	59.977	41.94	-114.74	-72.80	-57.00	15.80	PK	Vertical	ERP
4	118.818	39.99	-111.44	-71.45	-57.00	14.45	PK	Vertical	ERP
5	232.274	37.03	-112.71	-75.68	-57.00	18.68	PK	Vertical	ERP
6	916.085	27.62	-95.33	-67.71	-57.00	10.71	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:	2025-01-24	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	BLE1M 2480MHz RX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE BELOW1G\9		
Memo:	Sample Number:S25011313-001		

Test Graph

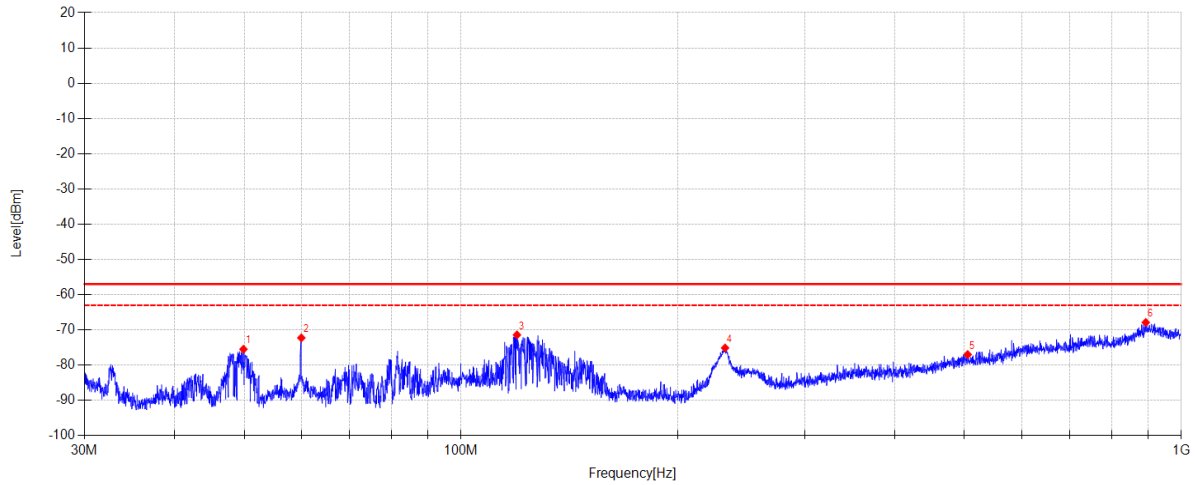


Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	49.841	30.43	-110.04	-79.61	-57.00	22.61	PK	Horizontal	ERP
2	80.065	37.55	-117.44	-79.89	-57.00	22.89	PK	Horizontal	ERP
3	115.047	32.22	-116.03	-83.81	-57.00	26.81	PK	Horizontal	ERP
4	230.813	34.64	-113.12	-78.48	-57.00	21.48	PK	Horizontal	ERP
5	512.263	28.19	-106.12	-77.93	-57.00	20.93	PK	Horizontal	ERP
6	863.082	28.16	-99.54	-71.38	-57.00	14.38	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:	2025-01-24	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	BLE1M 2480MHz RX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE BELOW1G\10		
Memo:	Sample Number:S25011313-001		

Test Graph

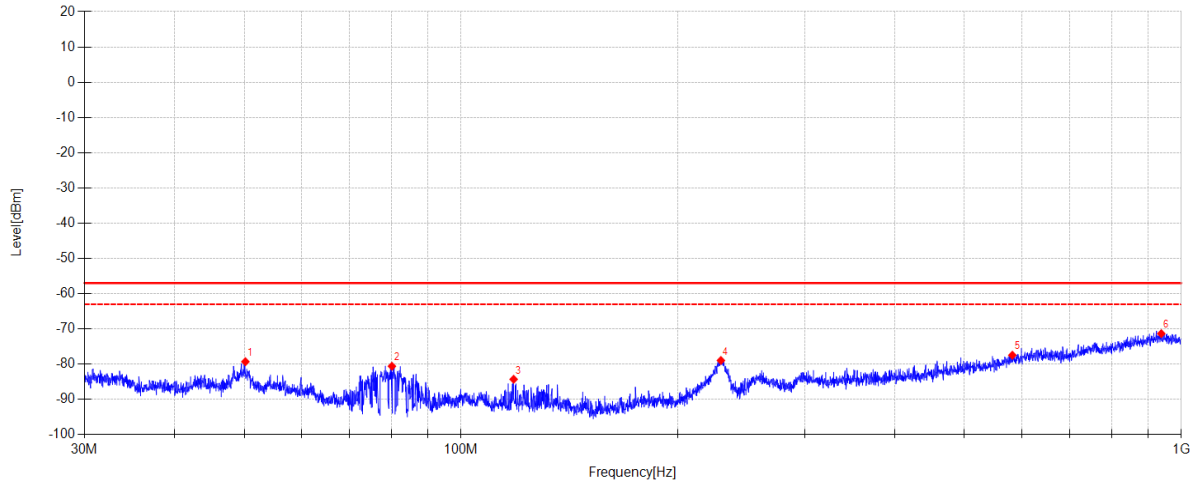


Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	49.876	39.34	-114.83	-75.49	-57.00	18.49	PK	Vertical	ERP
2	60.019	42.49	-114.75	-72.26	-57.00	15.26	PK	Vertical	ERP
3	119.571	40.06	-111.48	-71.42	-57.00	14.42	PK	Vertical	ERP
4	232.600	37.59	-112.72	-75.13	-57.00	18.13	PK	Vertical	ERP
5	505.129	26.84	-103.84	-77.00	-57.00	20.00	PK	Vertical	ERP
6	892.624	27.67	-95.56	-67.89	-57.00	10.89	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:	2025-01-24	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	BLE2M 2404MHz RX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE BELOW1G\5		
Memo:	Sample Number:S25011313-001		

Test Graph



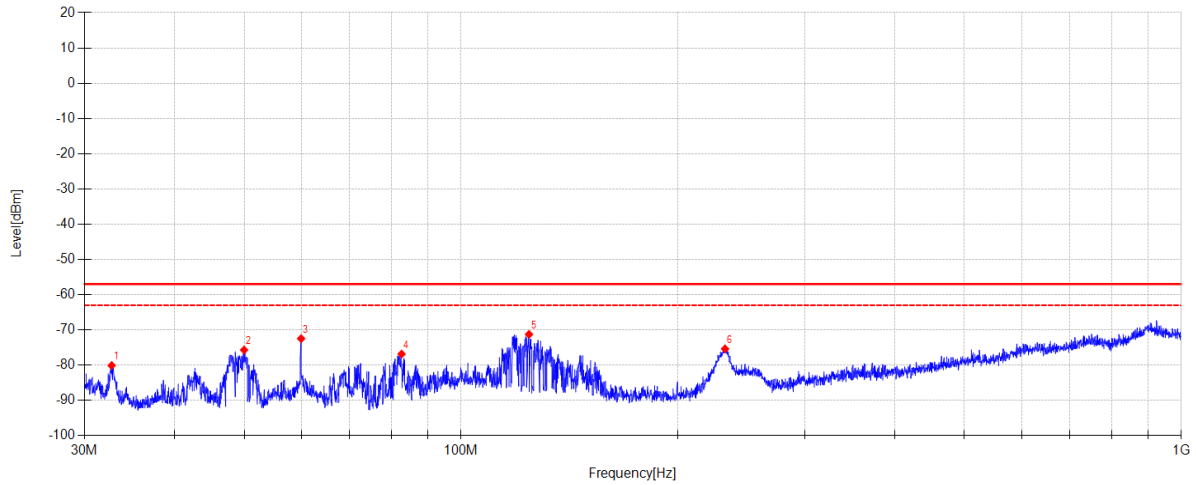
Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	50.192	30.76	-110.07	-79.31	-57.00	22.31	PK	Horizontal	ERP
2	80.177	36.83	-117.43	-80.60	-57.00	23.60	PK	Horizontal	ERP
3	118.320	31.93	-116.24	-84.31	-57.00	27.31	PK	Horizontal	ERP
4	229.521	34.24	-113.20	-78.96	-57.00	21.96	PK	Horizontal	ERP
5	582.805	26.87	-104.34	-77.47	-57.00	20.47	PK	Horizontal	ERP
6	938.186	26.44	-97.79	-71.35	-57.00	14.35	PK	Horizontal	ERP

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

Test Date:	2025-01-24	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	BLE2M 2404MHz RX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE BELOW1G\6		
Memo:	Sample Number:S25011313-001		

Test Graph

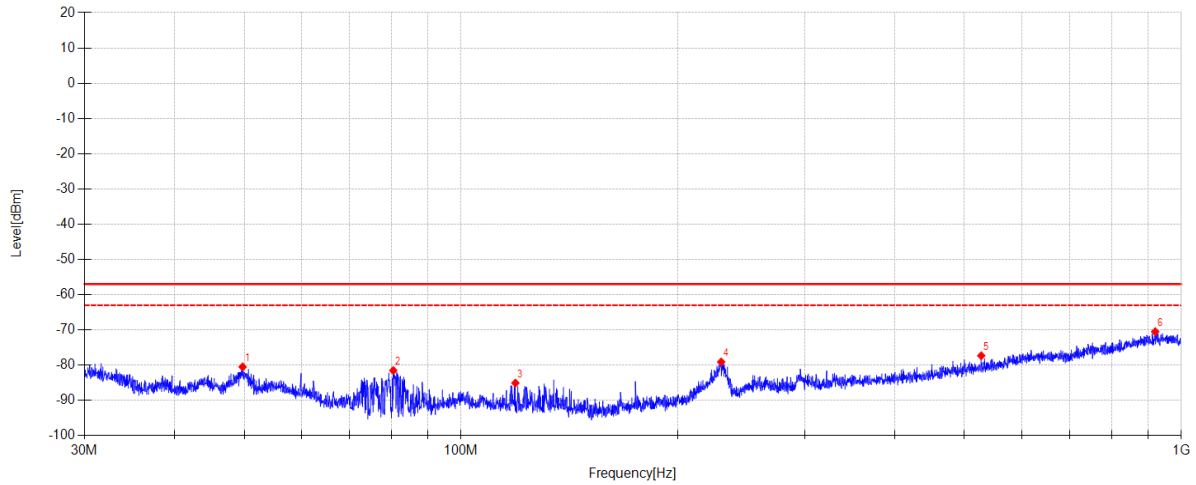


Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	32.725	36.30	-116.41	-80.11	-57.00	23.11	PK	Vertical	ERP
2	49.981	39.13	-114.82	-75.69	-57.00	18.69	PK	Vertical	ERP
3	59.977	42.26	-114.74	-72.48	-57.00	15.48	PK	Vertical	ERP
4	82.689	38.41	-115.26	-76.85	-57.00	19.85	PK	Vertical	ERP
5	124.272	40.54	-111.82	-71.28	-57.00	14.28	PK	Vertical	ERP
6	232.600	37.33	-112.72	-75.39	-57.00	18.39	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:	2025-01-23	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	BLE2M 2478MHz RX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE BELOW1G\3		
Memo:	Sample Number:S25011313-001		

Test Graph

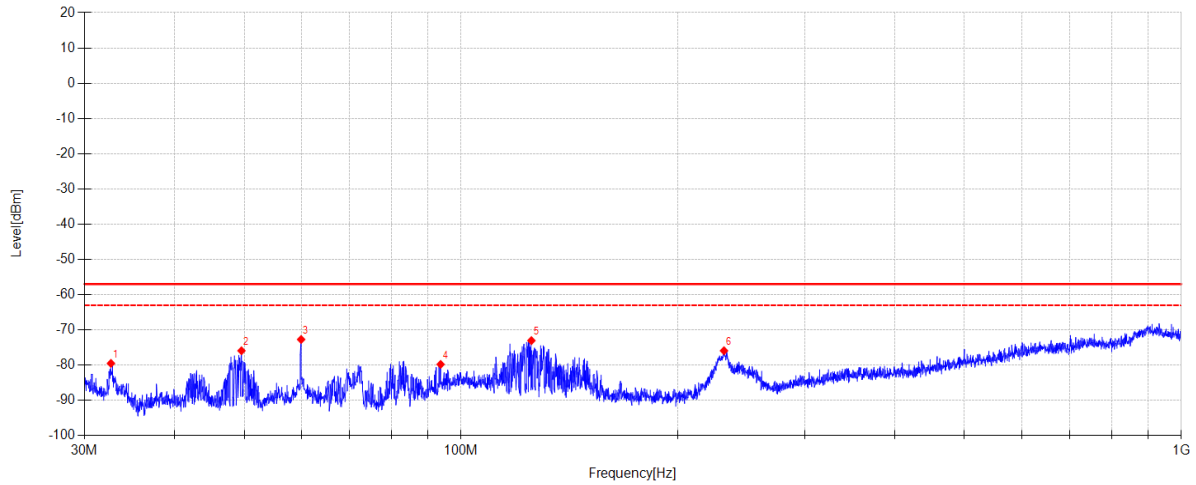


Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	49.737	29.55	-110.05	-80.50	-57.00	23.50	PK	Horizontal	ERP
2	80.515	35.88	-117.41	-81.53	-57.00	24.53	PK	Horizontal	ERP
3	118.985	31.20	-116.28	-85.08	-57.00	28.08	PK	Horizontal	ERP
4	229.682	34.09	-113.19	-79.10	-57.00	22.10	PK	Horizontal	ERP
5	527.573	28.71	-106.03	-77.32	-57.00	20.32	PK	Horizontal	ERP
6	919.947	27.80	-98.30	-70.50	-57.00	13.50	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:	2025-01-23	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	BLE2M 2478MHz RX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE BELOW1G\4		
Memo:	Sample Number:S25011313-001		

Test Graph

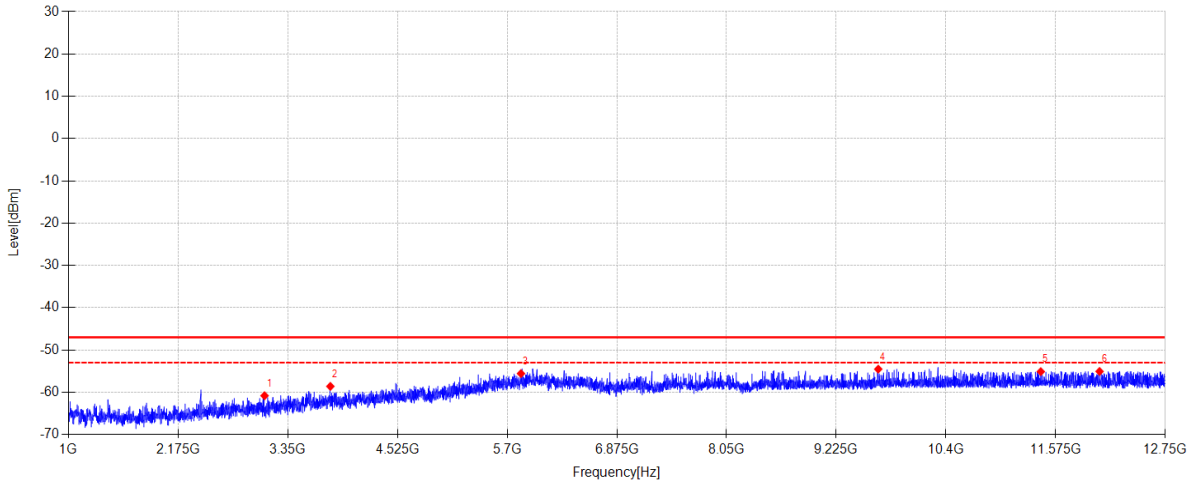


Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	32.656	36.91	-116.42	-79.51	-57.00	22.51	PK	Vertical	ERP
2	49.563	38.94	-114.86	-75.92	-57.00	18.92	PK	Vertical	ERP
3	59.977	42.02	-114.74	-72.72	-57.00	15.72	PK	Vertical	ERP
4	93.681	31.49	-111.28	-79.79	-57.00	22.79	PK	Vertical	ERP
5	125.234	38.85	-111.89	-73.04	-57.00	16.04	PK	Vertical	ERP
6	231.786	36.81	-112.73	-75.92	-57.00	18.92	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:	2025-01-23	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	BLE1M 2402MHz RX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE ABOVE1G\19		
Memo:	Sample Number:S25011313-001		

Test Graph



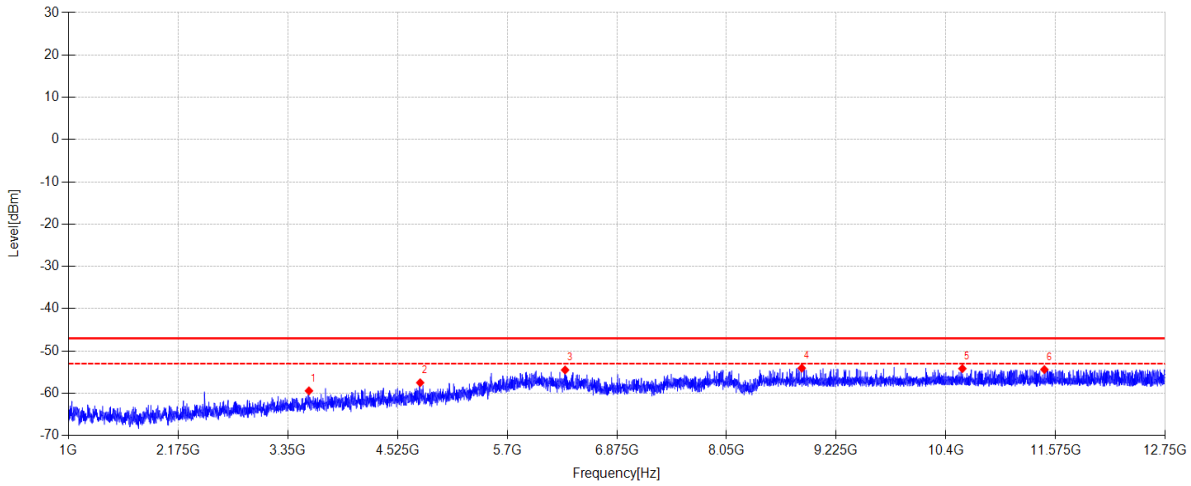
Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	3100.900	42.33	-103.13	-60.80	**-47.00**	13.80	PK	Horizontal	EIRP
2	3805.900	42.95	-101.55	-58.60	**-47.00**	11.60	PK	Horizontal	EIRP
3	5848.050	38.98	-94.55	-55.57	**-47.00**	8.57	PK	Horizontal	EIRP
4	9675.025	34.40	-88.92	-54.52	**-47.00**	7.52	PK	Horizontal	EIRP
5	11416.375	33.66	-88.77	-55.11	**-47.00**	8.11	PK	Horizontal	EIRP
6	12046.175	33.61	-88.67	-55.06	**-47.00**	8.06	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:	2025-01-23	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	BLE1M 2402MHz RX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE ABOVE1G\20		
Memo:	Sample Number:S25011313-001		

Test Graph

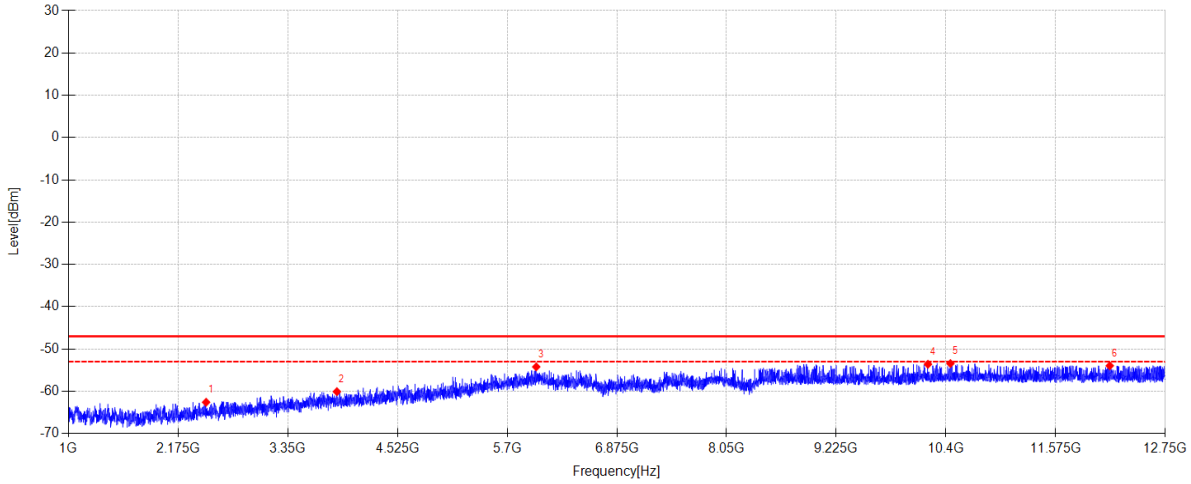


Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	3576.775	42.64	-102.06	-59.42	**-47.00**	12.42	PK	Vertical	EIRP
2	4768.225	41.78	-99.27	-57.49	**-47.00**	10.49	PK	Vertical	EIRP
3	6320.400	39.95	-94.43	-54.48	**-47.00**	7.48	PK	Vertical	EIRP
4	8856.050	36.35	-90.39	-54.04	**-47.00**	7.04	PK	Vertical	EIRP
5	10576.250	33.99	-88.15	-54.16	**-47.00**	7.16	PK	Vertical	EIRP
6	11455.150	33.39	-87.77	-54.38	**-47.00**	7.38	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:	2025-01-23	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	BLE1M 2480MHz RX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE ABOVE1G\17		
Memo:	Sample Number:S25011313-001		

Test Graph



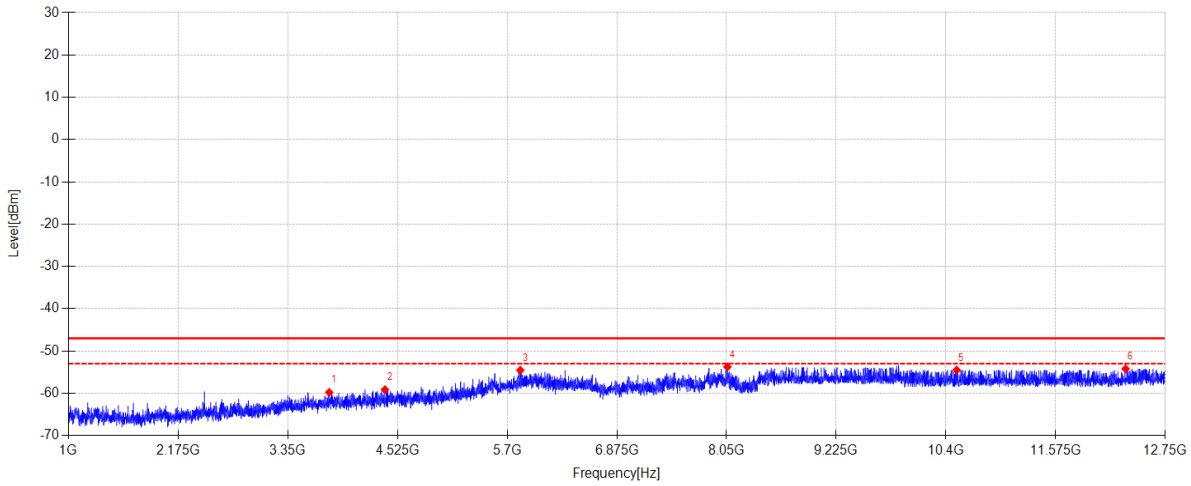
Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	2474.625	41.47	-104.05	-62.58	**-47.00**	15.58	PK	Horizontal	EIRP
2	3876.400	41.32	-101.40	-60.08	**-47.00**	13.08	PK	Horizontal	EIRP
3	6011.375	39.70	-93.91	-54.21	**-47.00**	7.21	PK	Horizontal	EIRP
4	10207.300	35.02	-88.62	-53.60	**-47.00**	6.60	PK	Horizontal	EIRP
5	10448.175	35.26	-88.69	-53.43	**-47.00**	6.43	PK	Horizontal	EIRP
6	12155.450	34.73	-88.69	-53.96	**-47.00**	6.96	PK	Horizontal	EIRP

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

Test Date:	2025-01-23	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	BLE1M 2480MHz RX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE ABOVE1G\18		
Memo:	Sample Number:S25011313-001		

Test Graph



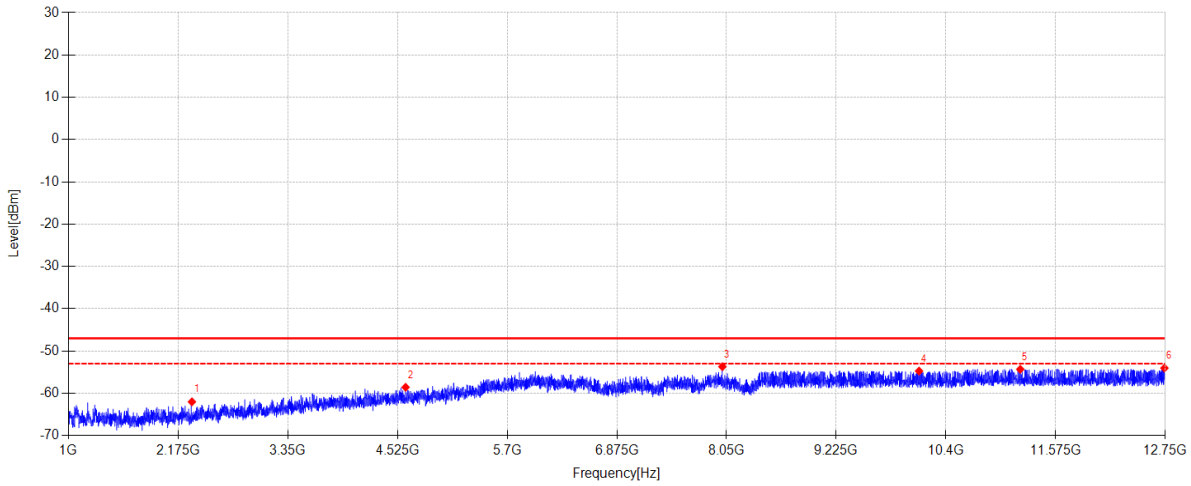
Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	3792.975	41.83	-101.60	-59.77	**-47.00**	12.77	PK	Vertical	EIRP
2	4391.050	41.07	-100.20	-59.13	**-47.00**	12.13	PK	Vertical	EIRP
3	5841.000	40.09	-94.63	-54.54	**-47.00**	7.54	PK	Vertical	EIRP
4	8059.400	38.78	-92.54	-53.76	**-47.00**	6.76	PK	Vertical	EIRP
5	10515.150	33.74	-88.25	-54.51	**-47.00**	7.51	PK	Vertical	EIRP
6	12324.650	34.08	-88.29	-54.21	**-47.00**	7.21	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:	2025-01-23	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	BLE2M 2404MHz RX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE ABOVE1G\21		
Memo:	Sample Number:S25011313-001		

Test Graph

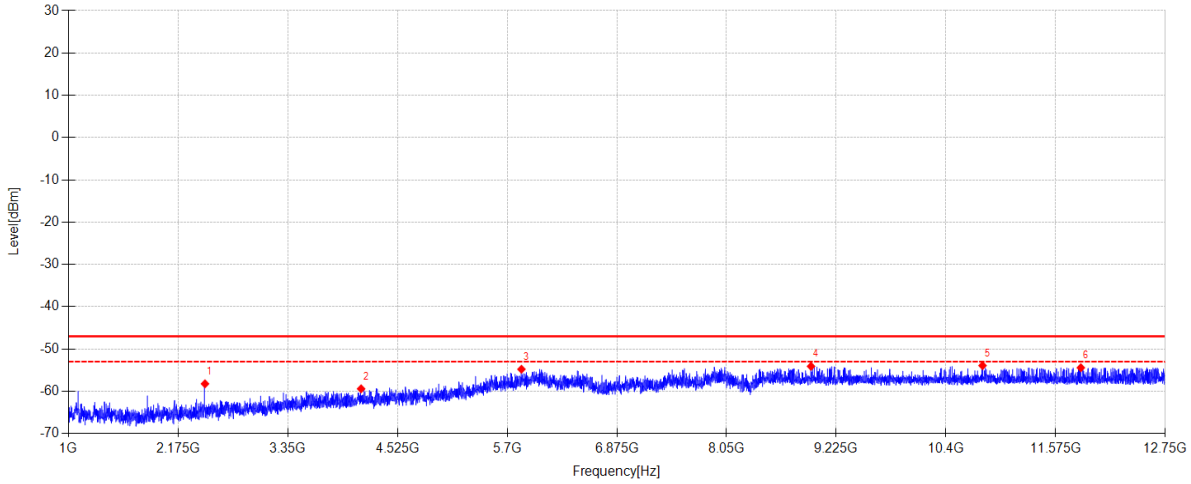


Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	2323.050	42.25	-104.26	-62.01	**-47.00**	15.01	PK	Horizontal	EIRP
2	4611.950	40.77	-99.34	-58.57	**-47.00**	11.57	PK	Horizontal	EIRP
3	8005.350	39.39	-93.09	-53.70	**-47.00**	6.70	PK	Horizontal	EIRP
4	10112.125	33.85	-88.59	-54.74	**-47.00**	7.74	PK	Horizontal	EIRP
5	11196.650	34.49	-88.80	-54.31	**-47.00**	7.31	PK	Horizontal	EIRP
6	12740.600	34.75	-88.78	-54.03	**-47.00**	7.03	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:	2025-01-23	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	BLE2M 2404MHz RX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE ABOVE1G\22		
Memo:	Sample Number:S25011313-001		

Test Graph

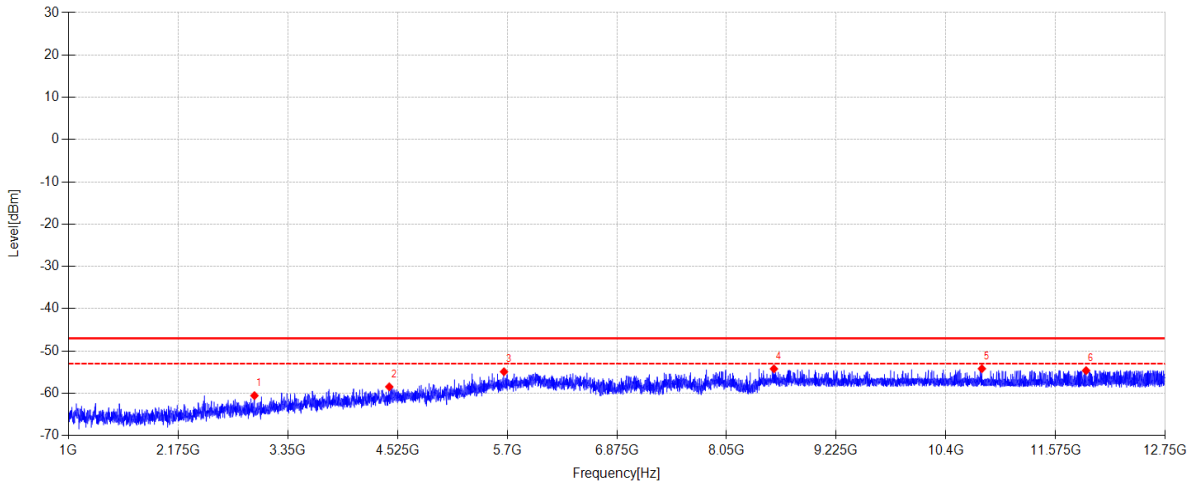


Data List									
NO.	**Freq. [MHz]**	**Reading [dBµV/m]**	**Factor [dB]**	**Level [dBm]**	**Limit [dBm]**	**Margin [dB]**	**Detector**	**Polarity**	**Type**
1	2462.875	45.67	-103.90	-58.23	**-47.00**	11.23	PK	Vertical	EIRP
2	4134.900	41.42	-100.82	-59.40	**-47.00**	12.40	PK	Vertical	EIRP
3	5852.750	39.80	-94.58	-54.78	**-47.00**	7.78	PK	Vertical	EIRP
4	8954.750	36.04	-90.13	-54.09	**-47.00**	7.09	PK	Vertical	EIRP
5	10792.450	33.89	-87.80	-53.91	**-47.00**	6.91	PK	Vertical	EIRP
6	11845.250	33.60	-88.02	-54.42	**-47.00**	7.42	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:	2025-01-23	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	BLE2M 2478MHz RX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE ABOVE1G\23		
Memo:	Sample Number:S25011313-001		

Test Graph



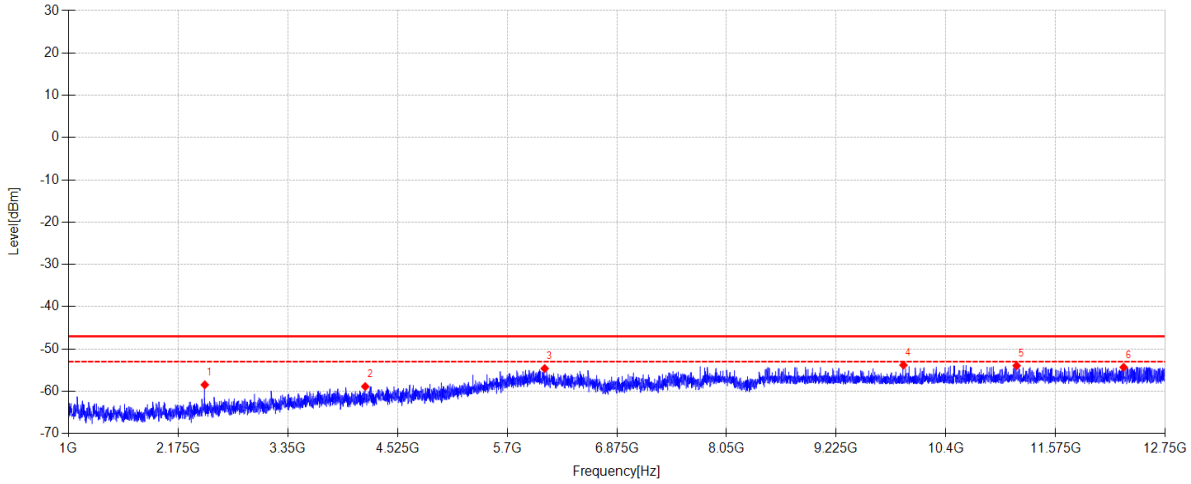
Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	2992.800	42.81	-103.36	-60.55	**-47.00**	13.55	PK	Horizontal	EIRP
2	4436.875	41.39	-99.85	-58.46	**-47.00**	11.46	PK	Horizontal	EIRP
3	5665.925	40.44	-95.33	-54.89	**-47.00**	7.89	PK	Horizontal	EIRP
4	8557.600	36.98	-91.19	-54.21	**-47.00**	7.21	PK	Horizontal	EIRP
5	10785.400	34.60	-88.78	-54.18	**-47.00**	7.18	PK	Horizontal	EIRP
6	11901.650	34.06	-88.68	-54.62	**-47.00**	7.62	PK	Horizontal	EIRP

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

Test Date:	2025-01-23	**Tested By**:	Zhong Nan
EUT:	Studio Monitor	**Model Number**:	EDF100099
Test Mode:	BLE2M 2478MHz RX mode	**Power Supply**:	AC 230/50Hz
Condition:	Temp:24.8°C;Humi:47.2%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25011313\CE ABOVE1G\24		
Memo:	Sample Number:S25011313-001		

Test Graph



Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	2460.525	45.45	-103.90	-58.45	**-47.00**	11.45	PK	Vertical	EIRP
2	4179.550	41.84	-100.71	-58.87	**-47.00**	11.87	PK	Vertical	EIRP
3	6101.850	39.43	-94.04	-54.61	**-47.00**	7.61	PK	Vertical	EIRP
4	9945.275	35.31	-89.12	-53.81	**-47.00**	6.81	PK	Vertical	EIRP
5	11157.875	33.62	-87.57	-53.95	**-47.00**	6.95	PK	Vertical	EIRP
6	12303.500	33.97	-88.28	-54.31	**-47.00**	7.31	PK	Vertical	EIRP

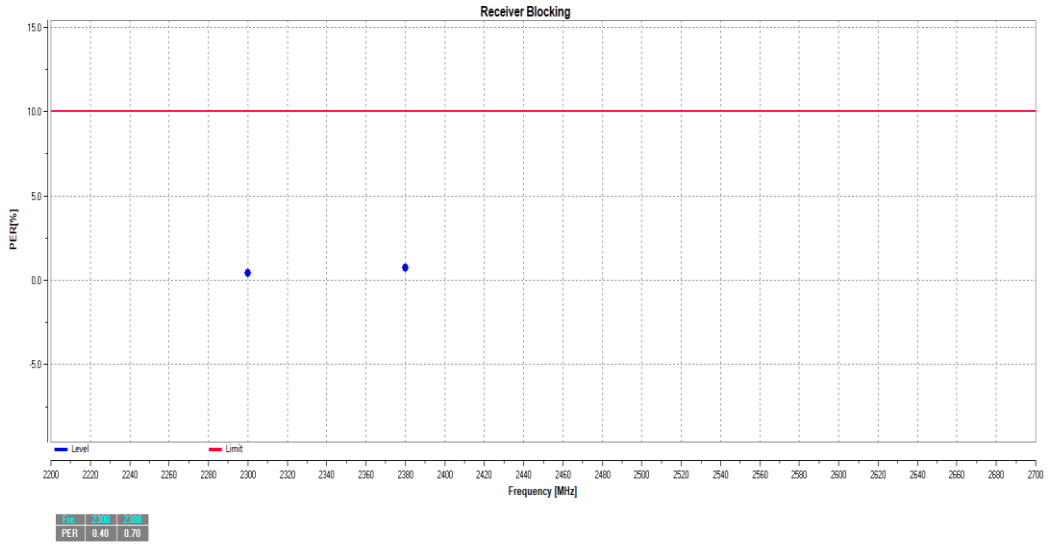
Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

7 Appendix B.7: Receiver Blocking

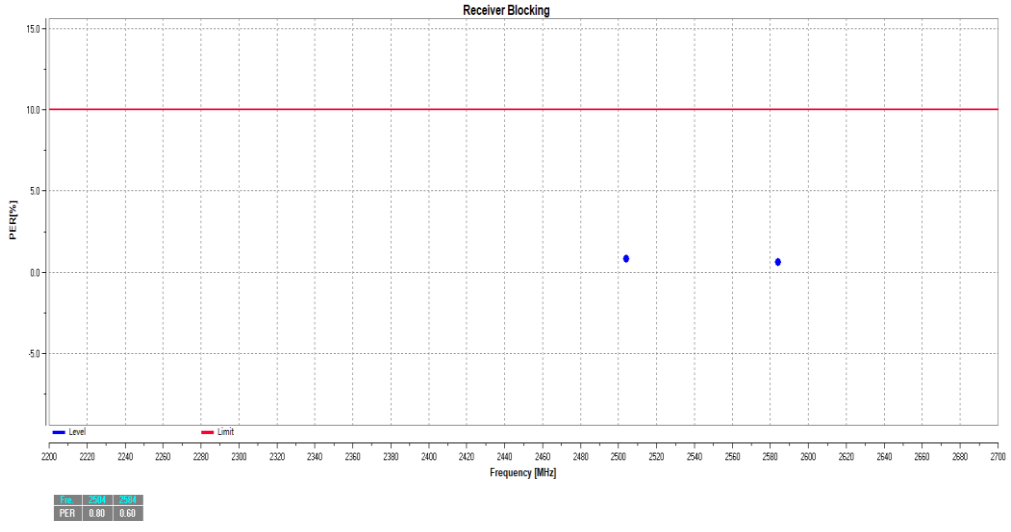
Note: The EUT is category 2 receiver.

TestMode	Antenna	Frequency[MHz]	Pmin [dBm]	Wanted signal [dBm]	Freq. [MHz]	CW [dBm]	PER [%]	Limit [%]	Verdict
BLE_1M	Ant1	2402	---	-69.12	2300	-34.29	0.40	≤10	PASS
			---	-69.12	2380	-34.29	0.70	≤10	PASS
		2480	---	-69.14	2504	-34.29	0.80	≤10	PASS
			---	-69.14	2584	-34.29	0.60	≤10	PASS
BLE_2M	Ant1	2404	---	-66.16	2300	-34.29	0.50	≤10	PASS
			---	-66.16	2380	-34.29	0.40	≤10	PASS
		2478	---	-66.16	2504	-34.29	0.60	≤10	PASS
			---	-66.16	2584	-34.29	0.30	≤10	PASS

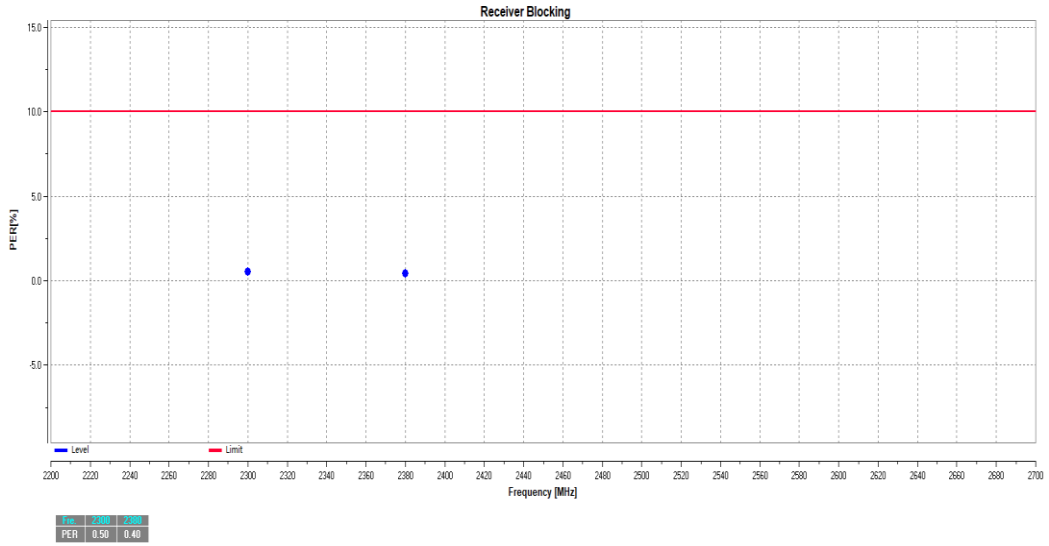
BLE_1M_Ant1_2402



BLE_1M_Ant1_2480



BLE_2M_Ant1_2404



BLE_2M_Ant1_2478

