Prüfbericht-Nr.: *Test report no.*:	**CN25VJWD 002**	**Auftrags-Nr.:** *Order no.*:	168589178	**Page 1 of 26** *Seite 1 von 26*
Kunden-Referenz-Nr.: *Client reference no.*:	N/A	**Auftragsdatum**: *Order date:*	2025-11-04	
Auftraggeber: *Client*:	**Edifier International Limited** P.O. Box 6264 General Post Office, Hong Kong			
Prüfgegenstand: *Test item*:	Multimedia Speaker, Remote			
Bezeichnung / Typ-Nr.: *Identification / Type no.*:	For Multimedia Speaker: EDF100120, M90 For Remote: EDF920001, RC500B (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*:	2025-11-20
Prüfmuster-Nr.: *Test sample no:*	S25111108-011, S25111108-012
Prüfzeitraum: *Testing period*:	2025-11-21 - 2025-12-12
Ort der Prüfung: *Place of testing*:	Guangdong Dongdian Testing Service Co.,Ltd.
Prüflaboratorium: *Testing laboratory:*	TÜV Rheinland (Shenzhen) Co., Ltd.
Prüfergebnis*: *Test result**:	Pass



geprüft von: tested by:	X Signed by: Harry W. C. Wu	**genehmigt von:** *authorized by*:	X Signed by: Alex Lan
Datum: *Date:* 2026-01-14		**Ausstellungsdatum:** *Issue date:* 2026-01-14*:*	
Stellung / Position:	Project Manager	**Stellung** / Position:	Authorizer

Sonstiges / *Other:*: This report is for Article 3.2 Radio Spectrum and Article 3.1a Health requirements of Remote.

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 above mentioned 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 MEDIUM UTILISATION (MU) FACTOR
RESULT: Not applicable

5.1.5 ADAPTIVITY
RESULT: Not applicable

5.1.6 OCCUPIED CHANNEL BANDWIDTH
RESULT: Pass

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

5.1.8 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 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	FSQ26	101272	2026/03/28	1 Year
Wideband Radio Communication Tester	R&S	CMW500	120259	2026/03/28	1 Year
MXG Vector Signal Generator	KEYSIGHT	N5182B	MY59100192	2026/03/28	1 Year
MXG Vector Signal Generator	Agilent	N5182A	MY19060405	2026/03/28	1 Year
RF Control Unit	Tonscend	JS0806-2	158060010	2026/03/28	1 Year
TEMP&HUMI Programmable Chamber	ZHIXIANG	ZXGDJS-150L	ZX170110-A	2026/03/28	1 Year
Test Software	Tonscend	JS1120-3	V3.6.21	N/A	N/A

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To	Cal. Interval
High Pass filter	Xi'an Xingbo	XBLBQ-GTA67	DDT-ZC02179	2026/03/28	1 Year
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2027/04/01	1 Year
High pass filter	Micro-Tronics	HPM50102	DDT-ZC00561	2026/03/28	1 Year
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/	1 Year
RF Cable	N/A	W13.02 AP1-X2	DDT-ZC04023	2026/03/28	2 Year
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2026/03/28	1 Year
RF cable	Yuhu Technology	JCTB810-NJ-NJ-9M	DDT-ZC02538	2026/03/28	1 Year
Hochgewinn-Hornantenne	SCHWARZBECK	BBHA 9120 D	DDT-ZC02129	2026/09/17	1 Year
RF Cable	N/A	W24.02 HL-562	DDT-ZC04022	2026/03/28	/
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/	1 Year
RF cable	Yuhu Technology	ZT26S-SMAJ-SMAJ-1M	DDT-ZC02037	2026/03/28	2 Year
High pass filter	Micro-Tronics	HPM50108	DDT-ZC00560	2026/03/28	1 Year
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	DDT-ZC02050	2026/07/10	/
Pre-amplifier	COM-POWER	PAM-118A	DDT-ZC01293	2026/08/24	1 Year
RF cable	Zhongke Junchuang	JCT26S-NJ-NJ-1.5M	DDT-ZC02762	2026/03/28	1 Year
Active Loop Antenna	Schwarzbeck	FMZB1519	DDT-ZC00524	2026/09/10	1 Year
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2026/03/28	1 Year
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2026/03/28	1 Year

2.3 Uncertainty of Measurement

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

Table 2: Maximum Measurement Uncertainty

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

3 General Product Information

3.1 Product Function and Intended Use

The EUT is a multimedia speaker with a remote, the multimedia speaker supports Bluetooth Dual technology, and the remote supports Bluetooth Low Energy technology, This product is 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	Multimedia Speaker, Remote
Type Designation	For Multimedia Speaker: EDF100120, M90 For Remote: EDF920001, RC500B
Trade Mark	EDIFEIR
Extreme Temperature Range	0°C - +35°C
Operating Voltage (Multimedia Speaker)	AC 100-240V, 50/60Hz, 600mA
Operating Voltage (Remote)	DC 3V via 2*AAA battery
Technical Specification of Bluetooth (BDR & EDR) (Multimedia Speaker)	
Operating Frequency Channel	2402 – 2480 MHz
Channel Number	79 channels
Channel separation	1MHz
Modulation	GFSK, π/4DQPSK
Antenna Type	PCB Layout antenna
Antenna Gain	2.59 dBi (Provide by the Client)
Technical Specification of Bluetooth (Bluetooth Low Energy) (Multimedia Speaker)	
Operating Frequency Channel	2402 – 2480 MHz for data rate 1Mbps 2404 – 2478 MHz for data rate 2Mbps
Data rate	1Mbps, 2Mbps
Channel Number	40 channels for data rate 1Mbps 38 channels for data rate 1Mbps
Channel separation	2MHz
Modulation	GFSK
Antenna Type	PCB Layout antenna
Antenna Gain	2.59 dBi (Provide by the Client)

Technical Specification of Bluetooth (Bluetooth Low Energy) (Remote)	
Operating Frequency Channel	2402 – 2480 MHz
Data rate	1Mbps
Channel Number	40 channels
Channel separation	2MHz
Modulation	GFSK
Antenna Type	PCB Layout antenna
Antenna Gain	1.30 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 (Bluetooth low energy)
   1. Transmitting mode
      a. Low channel
      b. Middle channel
      c. High channel
   2. Receiving mode
      a. Low channel
      b. Middle channel
      c. High channel

B. 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 Remote model EDF920001.

4.3 Special Accessories and Auxiliary Equipment

Table 6: List of Accessories and Auxiliary Equipment

Description	Manufacturer	Model	S/N or Rating
Laptop	Lenovo	T480	PF-16A6N8

4.4 Countermeasures to Achieve EMC Compliance

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

No additional measures were employed to achieve compliance.

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 (2019-07)
Test requirement	:	Clause 4.3.2.2 of EN 300 328
Limit	:	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	:	2025-11-21 to 2025-12-12
Test voltage	:	DC 3V
Test environment	:	Normal and extreme temperature
Operation mode	:	A.1
Ambient temperature	:	26.7 ℃
Relative humidity	:	46.2 %
Atmospheric pressure	:	101 kPa

For the measurement records, refer to the appendix A .

5.1.2 Power Spectral Density

RESULT: **Pass**

Test Specification

Test standard	:	EN 300 328 V2.2.2 (2019-07)
Test requirement	:	Clause 4.3.2.3 of EN 300 328
Limit	:	Clause 4.3.2.3.3 of EN 300 328
Test suites	:	(Option 1) Clause 5.4.3 of EN 300 328

Test Setup

Date of testing	:	2025-11-21 to 2025-12-12
Test voltage	:	DC 3V
Test environment	:	Normal temperature
Operation mode	:	A.1
Ambient temperature	:	26.7 ℃
Relative humidity	:	46.2 %
Atmospheric pressure	:	101 kPa

For the measurement records, refer to the Appendix A .

5.1.3 Duty Cycle, TX-sequence, TX-gap

RESULT: **Not applicable**

Test Specification

Test standard	:	EN 300 328 V2.2.2 (2019-07)
Test requirement	:	Clause 4.3.2.4 of EN 300 328
Limit	:	Clause 4.3.2.4.3 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 product is adaptive equipment and does not support non-adaptive mode, hence this requirement is not applicable.

5.1.4 Medium Utilisation (MU) Factor

RESULT: **Not applicable**

Test Specification

Test standard	:	EN 300 328 V2.2.2 (2019-07)
Test requirement	:	Clause 4.3.2.5 of EN 300 328
Limit	:	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.

5.1.5 Adaptivity

RESULT: **Not applicable**

Test Specification

Test standard	:	EN 300 328 V2.2.2 (2019-07)
Test requirement	:	Clause 4.3.2.6.3 of EN 300 328
Limit	:	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.

5.1.6 Occupied Channel Bandwidth

RESULT: **Pass**

Test Specification

Test standard	:	EN 300 328 V2.2.2 (2019-07)
Test requirement	:	Clause 4.3.2.7 of EN 300 328
Limit	:	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	:	2025-11-21 to 2025-12-12
Test voltage	:	DC 3V
Test environment	:	Normal temperature
Operation mode	:	A.1
Ambient temperature	:	26.7 ℃
Relative humidity	:	46.2 %
Atmospheric pressure	:	101 kPa

For the measurement records, refer to the Appendix A.

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

RESULT: **Pass**

Test Specification

Test standard	:	EN 300 328 V2.2.2 (2019-07)
Test requirement	:	Clause 4.3.2.8 of EN 300 328
Limit	:	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	:	2025-11-21 to 2025-12-12
Test voltage	:	DC 3V
Test environment	:	Normal and extreme temperature
Operation mode	:	A.1
Ambient temperature	:	26.7 ℃
Relative humidity	:	46.2 %
Atmospheric pressure	:	101 kPa

For the measurement records, refer to the Appendix A.

5.1.8 Transmitter Unwanted Emissions in the Spurious Domain

RESULT: **Pass**

Test Specification

Test standard	:	EN 300 328 V2.2.2 (2019-07)
Test requirement	:	Clause 4.3.2.9 of EN 300 328
Limit	:	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	:	2025-11-21 to 2025-12-12
Test voltage	:	DC 3V
Test environment	:	Normal temperature
Operation mode	:	A.1
Ambient temperature	:	Refer to test result
Relative humidity	:	Refer to test result
Atmospheric pressure	:	101 kPa

For the measurement records, refer to the Appendix A .

Note: The EUT without antenna connector, and the measurements were radiated.

5.2 Receiver Requirement & Test Suites

5.2.1 Receiver Spurious Emissions

RESULT: **Pass**

Test Specification

Test standard	:	EN 300 328 V2.2.2 (2019-07)
Test requirement	:	Clause 4.3.2.10 of EN 300 328
Limit	:	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	:	2025-11-21 to 2025-12-12
Test voltage	:	DC 3V
Test environment	:	Normal temperature
Operation mode	:	A.2
Ambient temperature	:	Refer to test result
Relative humidity	:	Refer to test result
Atmospheric pressure	:	101 kPa

For the measurement records, refer to the Appendix A .
Note: The EUT without antenna connector, and the measurements were radiated.

5.2.2 Receiver Blocking

RESULT: **Pass**

Test Specification

Test standard	:	EN 300 328 V2.2.2 (2019-07)
Test requirement	:	Clause 4.3.2.11 of EN 300 328
Limit	:	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	:	2025-11-21 to 2025-12-12
Test voltage	:	DC 3V
Test environment	:	Normal temperature
Operation mode	:	A.2
Ambient temperature	:	26.7 ℃
Relative humidity	:	46.2 %
Atmospheric pressure	:	101 kPa

For the measurement records, refer to the Appendix A.

The maximum RF output power is -3.57dBm.
Hence according to the 4.2.3.2, the Bluetooth-LE of EUT is belong category 3 receiver.

5.2.3 Geo-location Capability

RESULT: **Not applicable**

Test Specification

Test standard	:	EN 300 328 V2.2.2 (2019-07)
Test requirement	:	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 4.3.2.12.

Conclusion:

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

6 Safety Human Exposure

6.1 Human Exposure to Electromagnetic Fie10MHz-300GHz

6.1.1 Electromagnetic Fields

RESULT: **Pass**

Test Specification

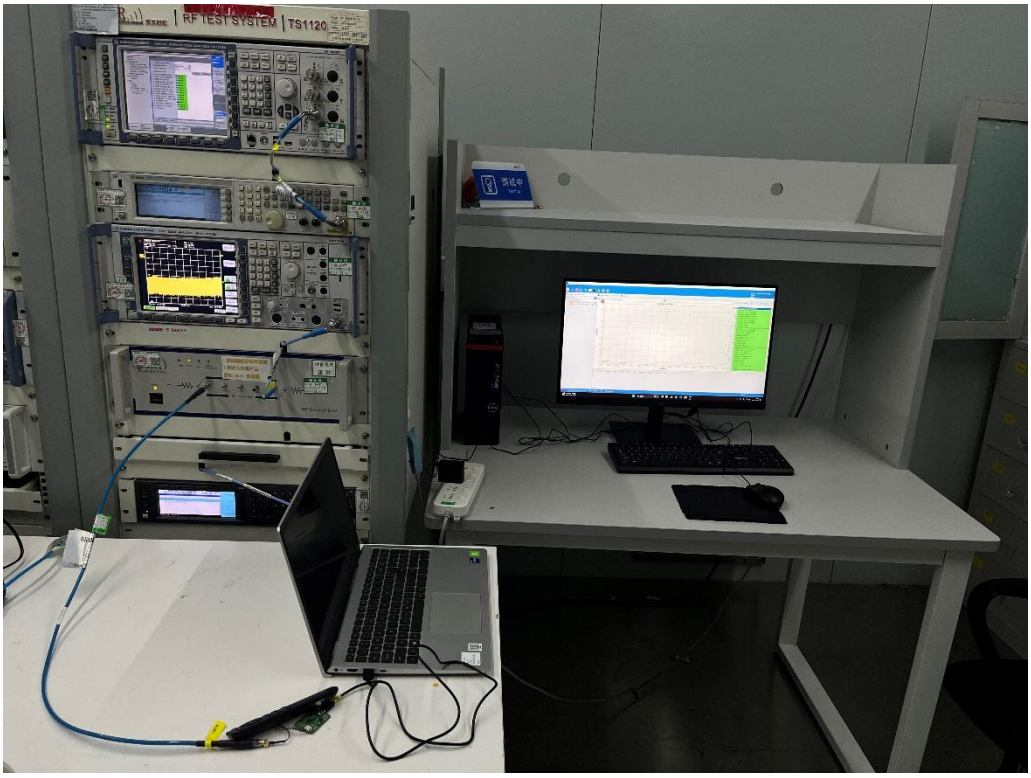
Test standard : EN 62479: 2010

The maximum measured power (e.i.r.p.) of EUT is -3.57 dBm (0.440mW).

According to EN 62479: 2010 clause 4.2, the EUT is deemed to comply with the provisions of this standard because it can be demonstrated using clause 4.1 routes C that the available antenna power and/or the average total radiated power is less than 20mW, therefore the EUT is deemed to fulfill the requirement without additional test.

7 Photographs of the Test Set-Up

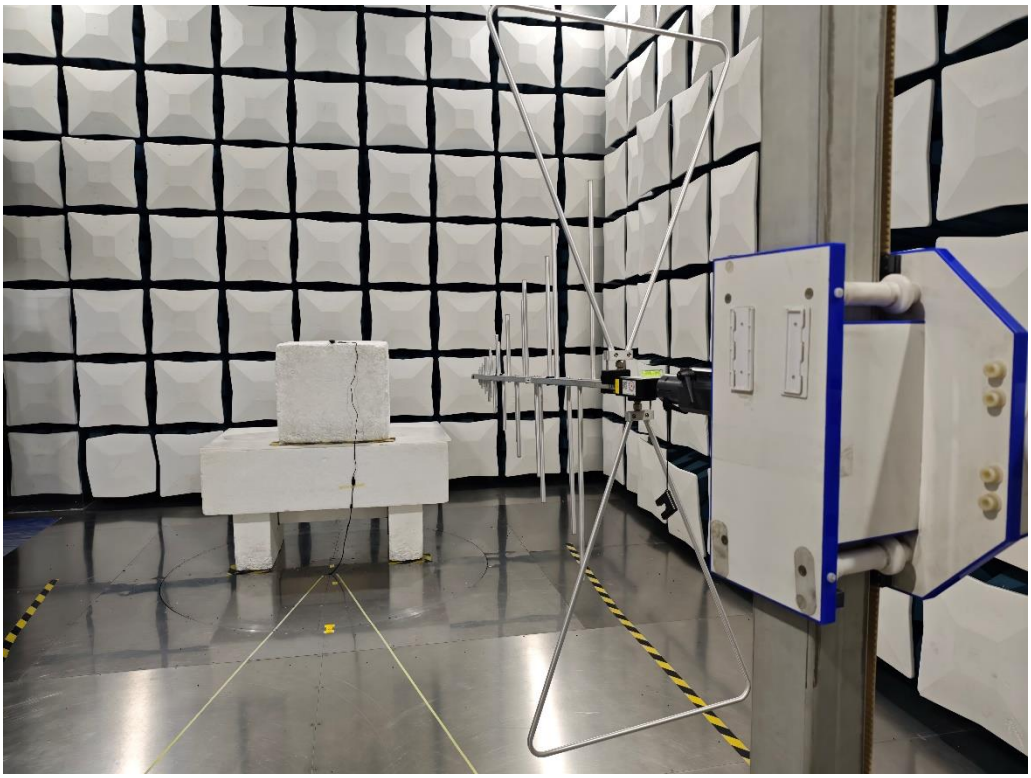
Photograph 1: Set-up for Radio Spectrum Testing, Normal Condition



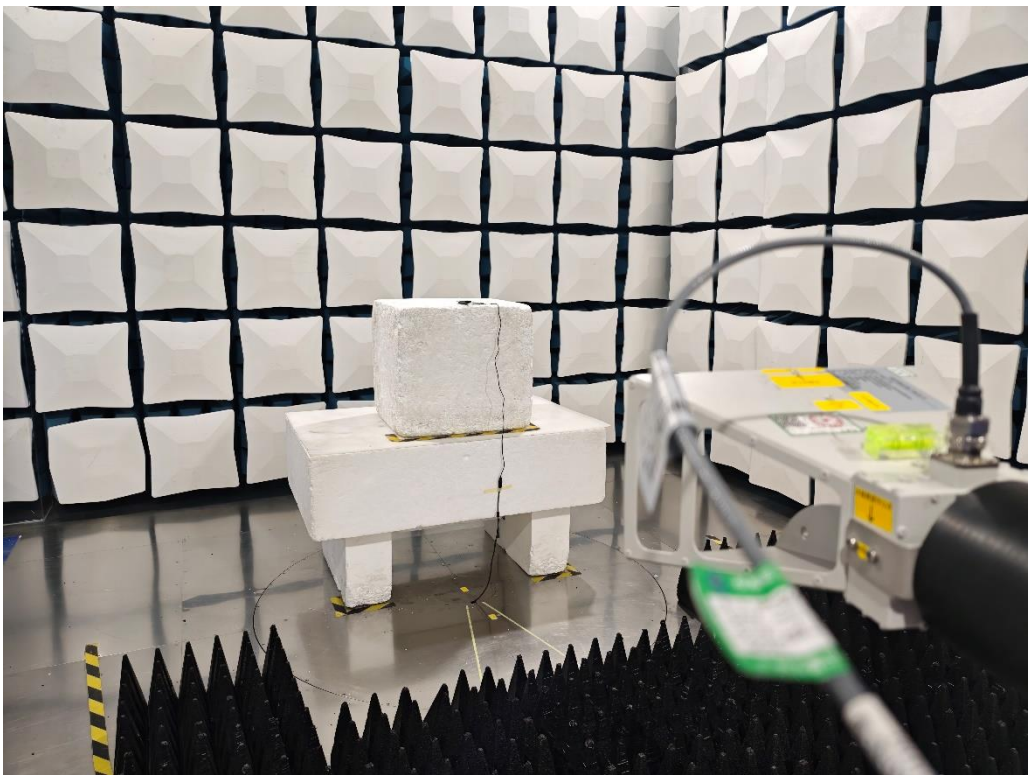
Photograph 2: Set-up for Radio Spectrum Testing, Extreme Condition



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 Bluetooth Low Energy

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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]	EIRP Limit [dBm]	Verdict
NTNV	BLE_1M	Ant1	2402	-5.39	-4.09	20	PASS
			2440	-4.87	-3.57	20	PASS
			2480	-4.91	-3.61	20	PASS
LTNV	BLE_1M	Ant1	2402	-5.36	-4.06	20	PASS
			2440	-4.98	-3.68	20	PASS
			2480	-4.91	-3.61	20	PASS
HTNV	BLE_1M	Ant1	2402	-5.33	-4.03	20	PASS
			2440	-4.94	-3.64	20	PASS
			2480	-4.90	-3.60	20	PASS

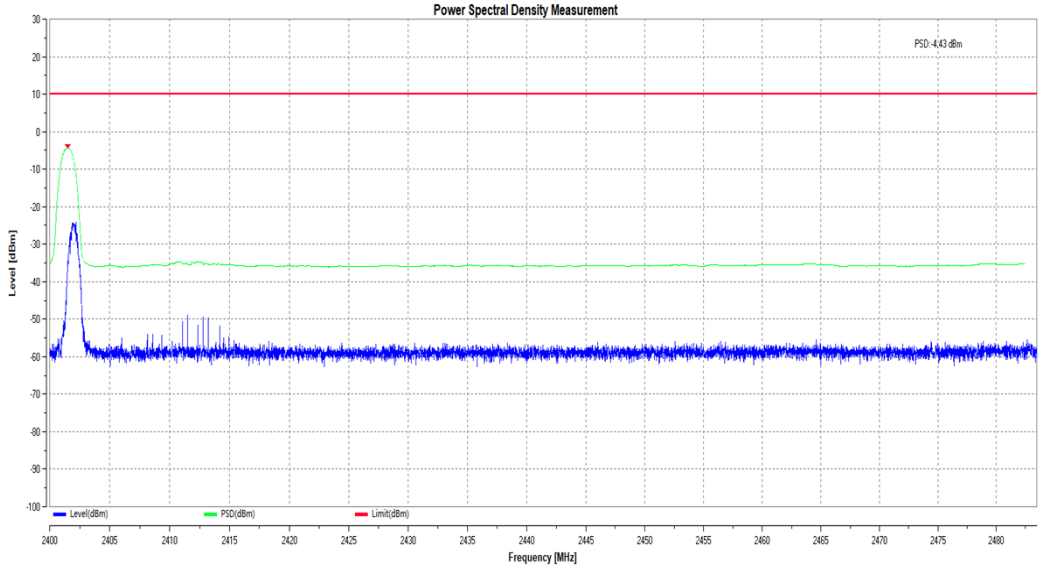
Note: EIRP = Measured Highest Pburst Values + Antenna Gain

2 Appendix A.2: Power density

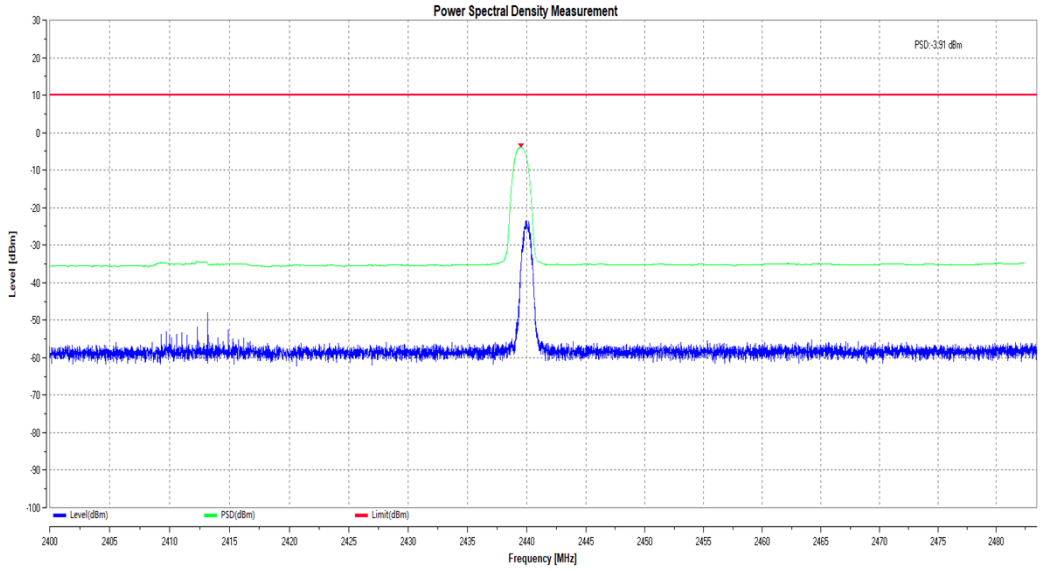
The power density is the mean Equivalent Isotropically Radiated Power (EIRP) density during a transmission burst. Only the worst case for all test modes reported.

Test Mode	Antenna	Frequency [MHz]	EIRP PSD [dBm/MHz]	Limit [dBm/MHz]	Verdict
BLE_1M	Ant1	2402	-4.43	10	PASS
		2440	-3.91	10	PASS
		2480	-3.94	10	PASS

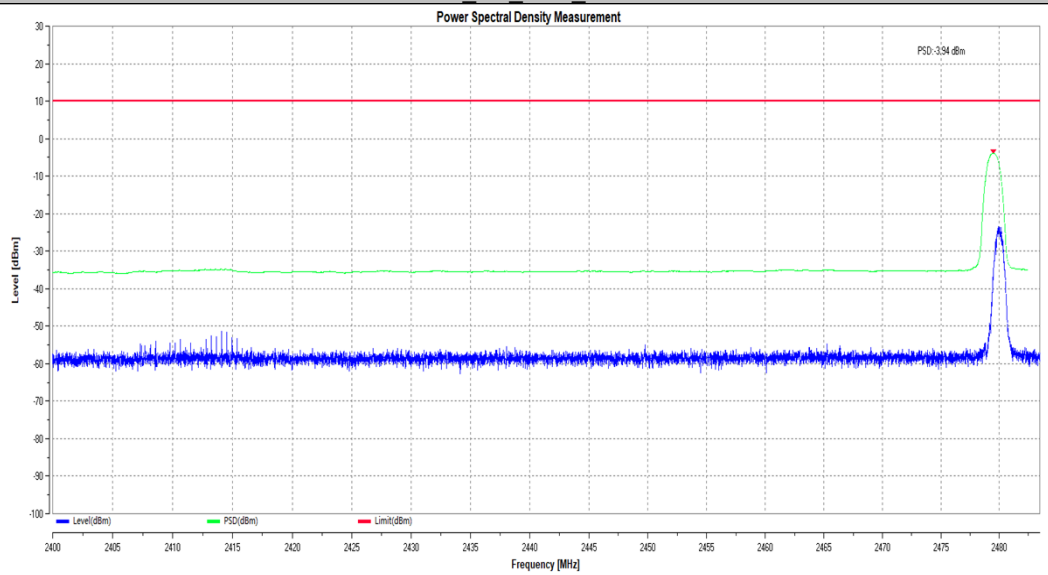
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



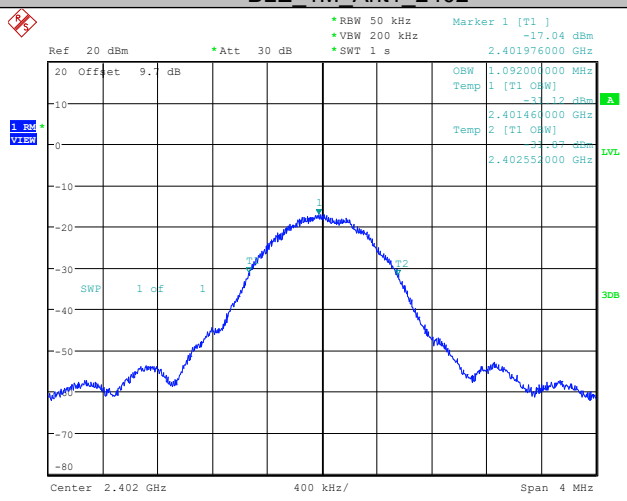
BLE_1M_Ant1_2480



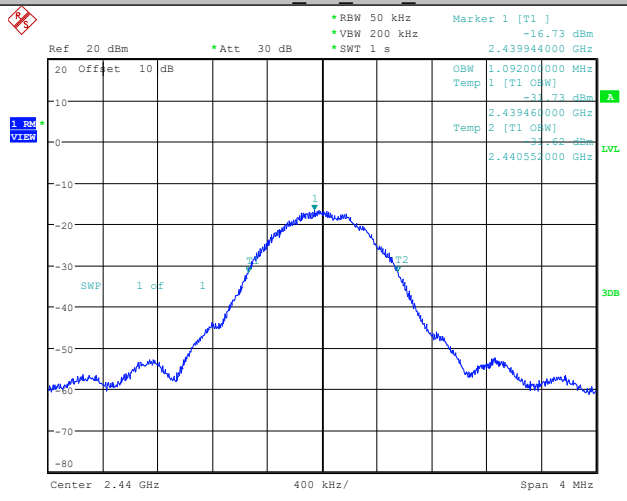
3 Appendix A.3 : Occupied Channel Bandwidth

Test Mode	Antenna	Frequency [MHz]	OCB[MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
BLE_1M	Ant1	2402	1.0920	2401.4600	2402.5520	2400 to 2483.5	PASS
		2440	1.0920	2439.4600	2440.5520	2400 to 2483.5	PASS
		2480	1.0960	2479.4560	2480.5520	2400 to 2483.5	PASS

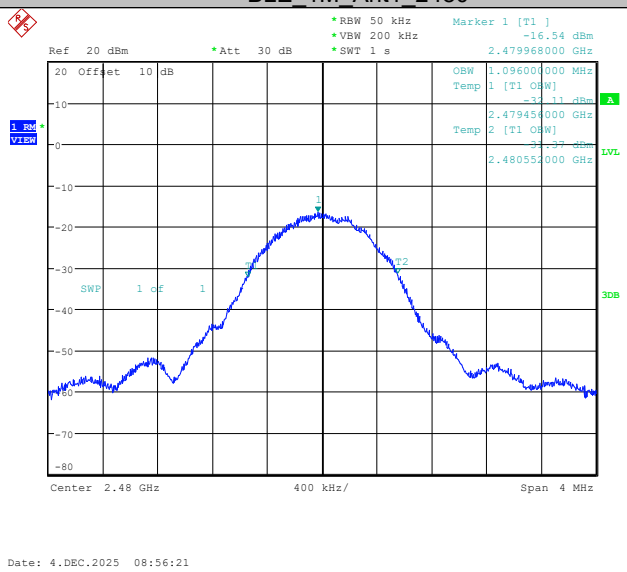
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

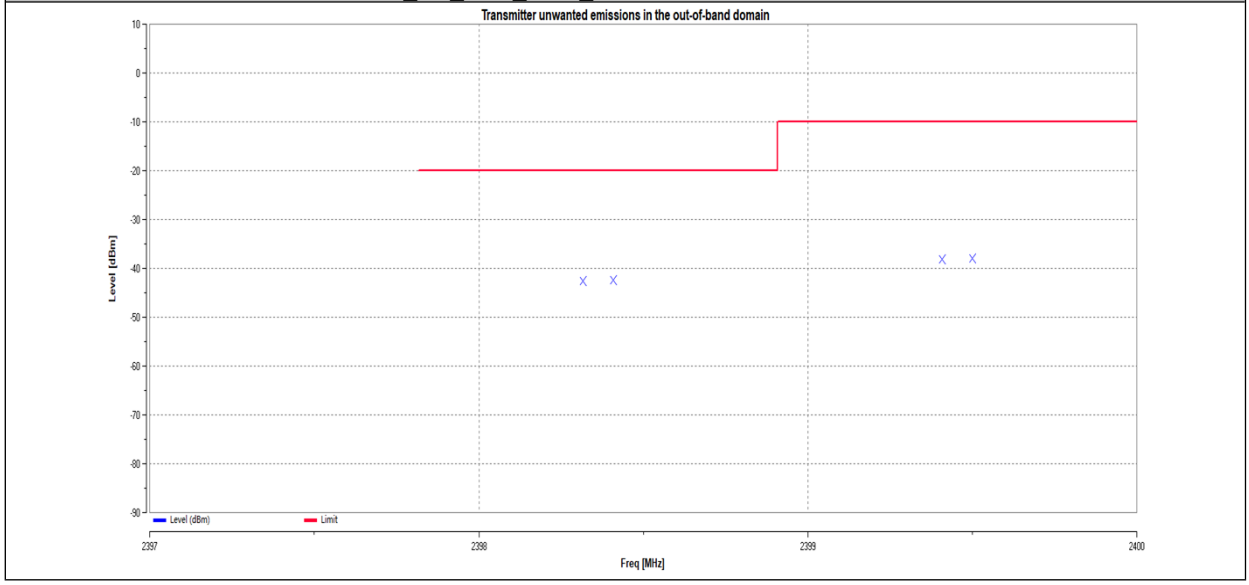


Date: 4.DEC.2025 08:56:21

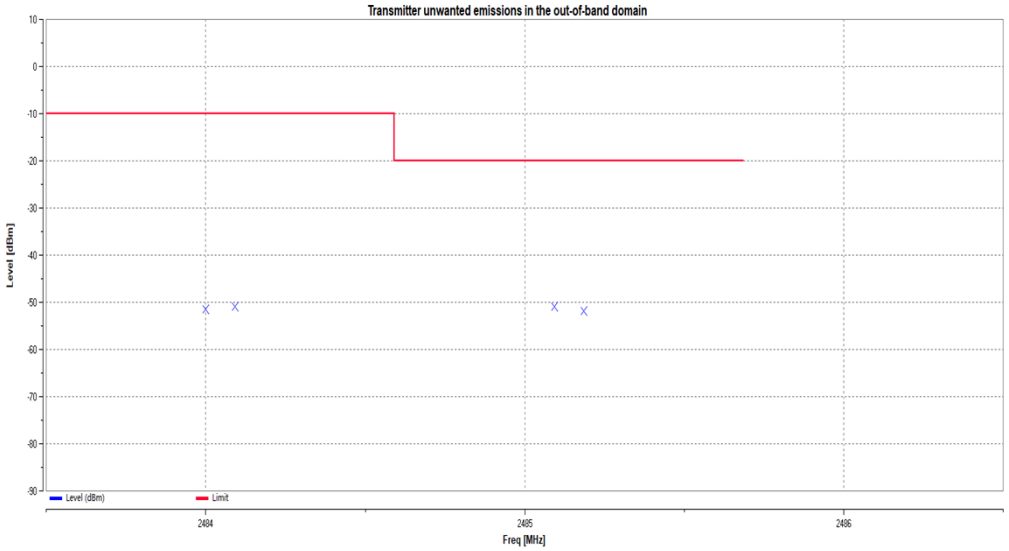
4 Appendix A.4 : Tx unwanted emissions in the out-of-band domain

Test Mode	Antenna	Frequency[MHz]	Freq. [MHz]	Level[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2398.316	-42.60	-20.00	PASS
			2398.408	-42.40	-20.00	PASS
			2399.408	-38.12	-10.00	PASS
			2399.5	-37.99	-10.00	PASS
			2484	-51.57	-10.00	PASS
			2484.092	-50.95	-10.00	PASS
			2485.092	-51.00	-20.00	PASS
			2485.184	-51.87	-20.00	PASS
		2480	2398.308	-52.62	-20.00	PASS
			2398.404	-52.44	-20.00	PASS
			2399.404	-52.75	-10.00	PASS
			2399.5	-52.70	-10.00	PASS
			2484	-41.61	-10.00	PASS
			2484.096	-41.90	-10.00	PASS
			2485.096	-44.05	-20.00	PASS
			2485.192	-44.19	-20.00	PASS

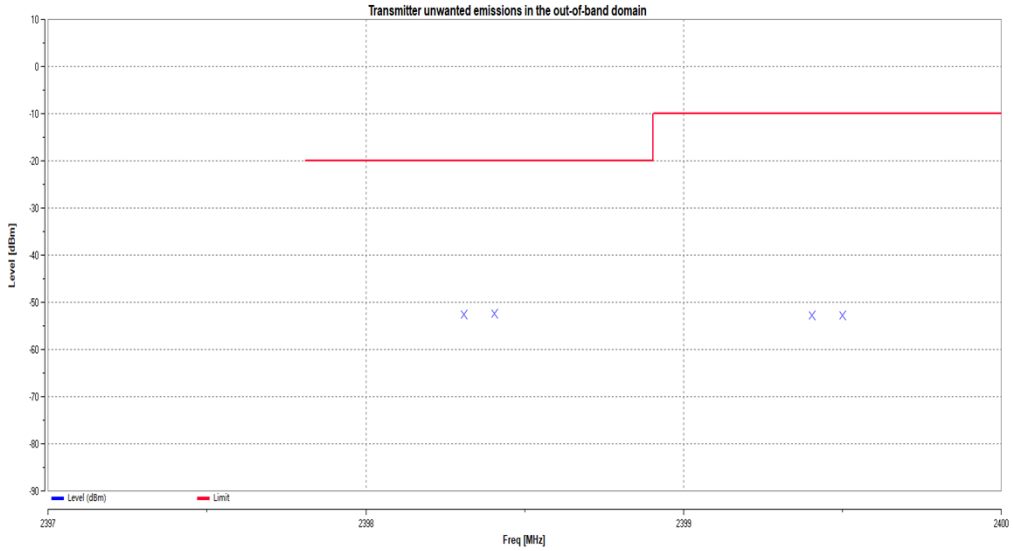
BLE_1M_Ant1_2402_2400MHz-2BW to 2400MHz



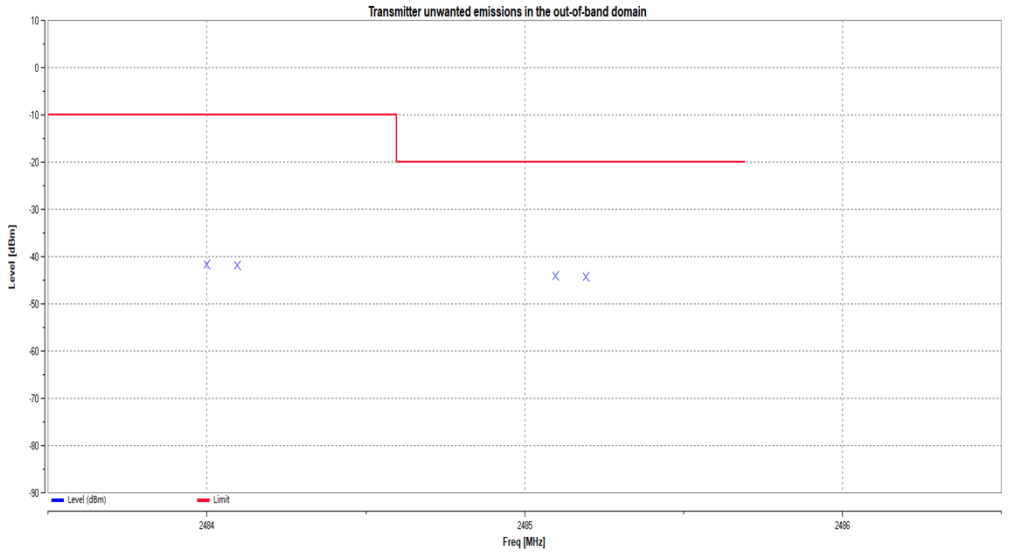
BLE_1M_Ant1_2402_2483.5MHz to 2483.5MHz+2BW



BLE_1M_Ant1_2480_2400MHz-2BW to 2400MHz



BLE_1M_Ant1_2480_2483.5MHz to 2483.5MHz+2BW

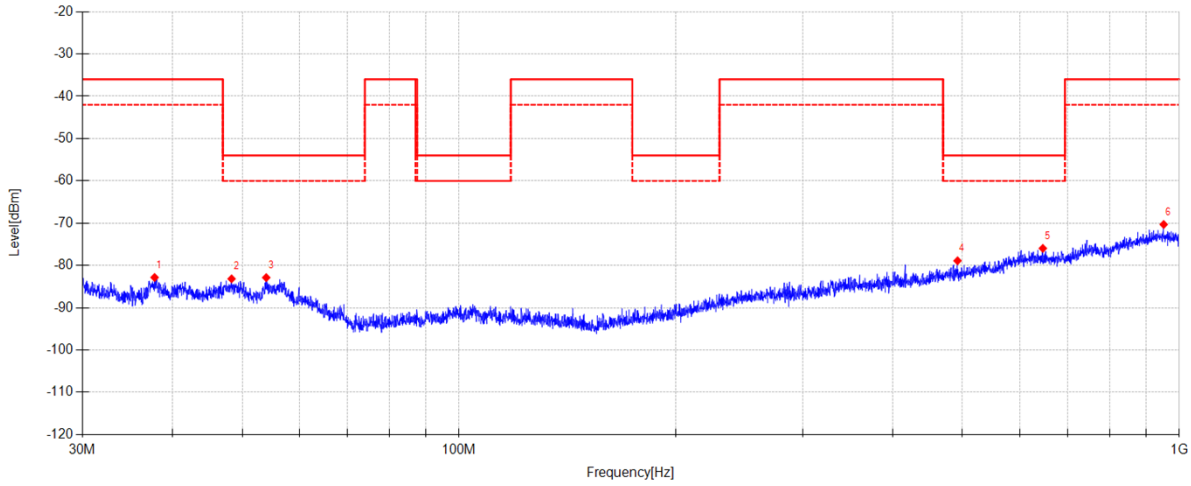


5 Appendix A.5 : Transmitter unwanted emissions

Note: This product without an antenna connector, only the worst case was recorded in band 30MHz- 1GHz.

BLE Mode, 1Mbps

Test Date:	2025-12-04	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE1M 2402MHz Mode	**Power Supply**:	DC 3.3V
Condition:	Temp:23.7°C;Humi:52.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111108-3E\CE BELOW 1G BLE\23		
Memo:	Sample Number:S25111108-005		



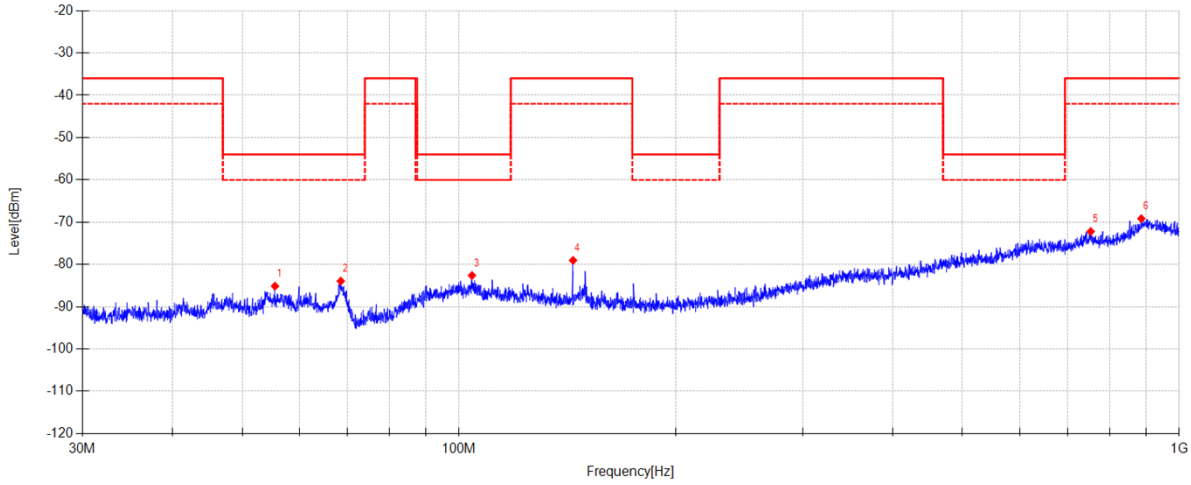
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	37.784	29.97	-112.81	-82.84	-36.00	46.84	PK	Horizontal	ERP
2	48.327	28.17	-111.33	-83.16	-54.00	29.16	PK	Horizontal	ERP
3	53.989	29.23	-112.10	-82.87	-54.00	28.87	PK	Horizontal	ERP
4	492.193	28.63	-107.52	-78.89	-54.00	24.89	PK	Horizontal	ERP
5	646.535	28.67	-104.64	-75.97	-54.00	21.97	PK	Horizontal	ERP
6	951.436	28.53	-98.84	-70.31	-36.00	34.31	PK	Horizontal	ERP

ure 1. 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.

ure 2.

Test Date:	2025-12-04	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE1M 2402MHz Mode	**Power Supply**:	DC 3.3V
Condition:	Temp:23.7°C;Humi:52.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111108-3E\CE BELOW 1G BLE\24		
Memo:	Sample Number:S25111108-005		



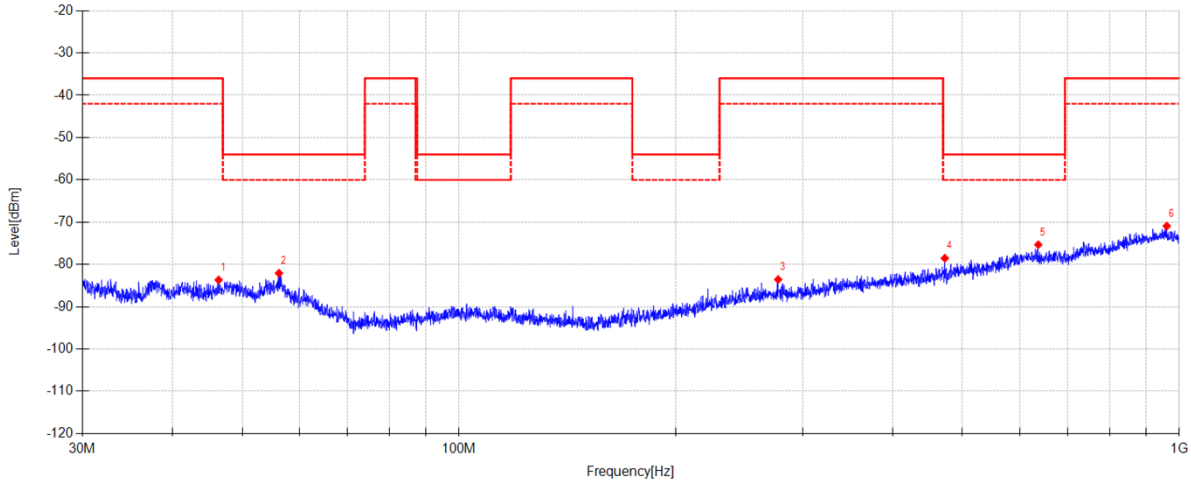
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	55.525	30.74	-115.88	-85.14	-54.00	31.14	PK	Vertical	ERP
2	68.524	34.43	-118.37	-83.94	-54.00	29.94	PK	Vertical	ERP
3	104.217	28.91	-111.52	-82.61	-54.00	28.61	PK	Vertical	ERP
4	143.986	35.27	-114.31	-79.04	-36.00	43.04	PK	Vertical	ERP
5	753.314	28.53	-100.74	-72.21	-36.00	36.21	PK	Vertical	ERP
6	885.766	28.25	-97.42	-69.17	-36.00	33.17	PK	Vertical	ERP

ıure 3. 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.

ıure 4.

Test Date:	2025-12-04	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE1M 2480MHz Mode	**Power Supply**:	DC 3.3V
Condition:	Temp:23.7°C;Humi:52.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111108-3E\CE BELOW 1G BLE\21		
Memo:	Sample Number:S25111108-005		



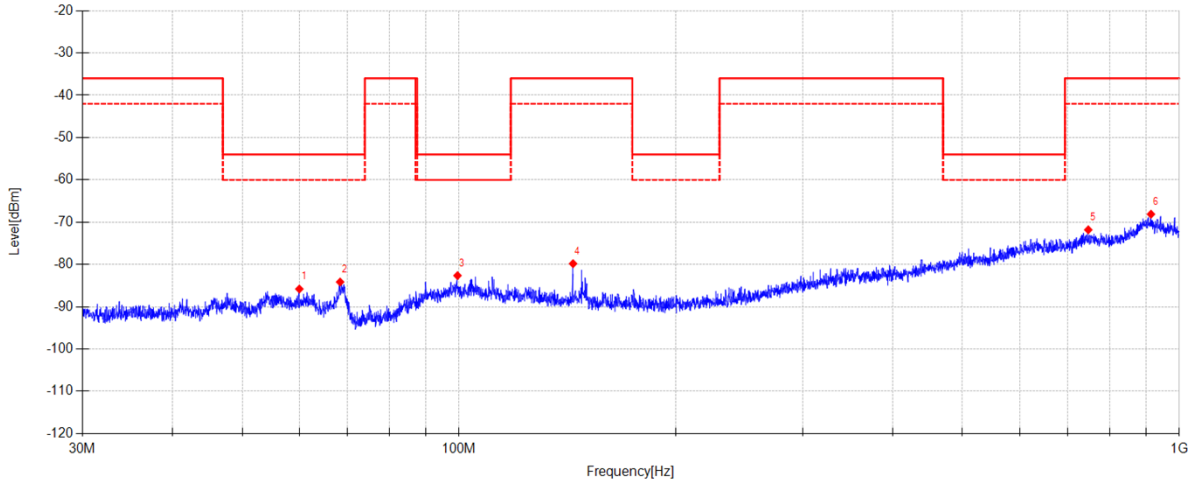
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	46.369	27.91	-111.58	-83.67	-36.00	47.67	PK	Horizontal	ERP
2	56.230	30.58	-112.65	-82.07	-54.00	28.07	PK	Horizontal	ERP
3	277.359	28.66	-112.23	-83.57	-36.00	47.57	PK	Horizontal	ERP
4	472.578	29.64	-108.18	-78.54	-54.00	24.54	PK	Horizontal	ERP
5	637.084	29.34	-104.67	-75.33	-54.00	21.33	PK	Horizontal	ERP
6	960.821	28.09	-99.01	-70.92	-36.00	34.92	PK	Horizontal	ERP

ıure 5. 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.

ıure 6.

Test Date:	2025-12-04	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE1M 2480MHz Mode	**Power Supply**:	DC 3.3V
Condition:	Temp:23.7°C;Humi:52.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111108-3E\CE BELOW 1G BLE\22		
Memo:	Sample Number:S25111108-005		



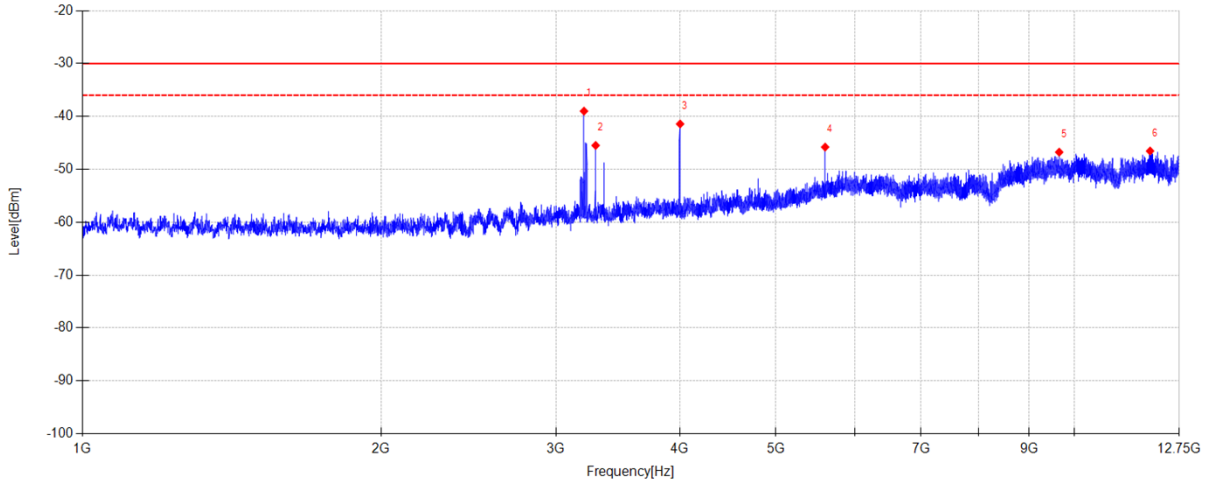
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	60.019	30.04	-115.85	-85.81	-54.00	31.81	PK	Vertical	ERP
2	68.380	34.17	-118.32	-84.15	-54.00	30.15	PK	Vertical	ERP
3	99.504	28.68	-111.31	-82.63	-54.00	28.63	PK	Vertical	ERP
4	143.986	34.50	-114.31	-79.81	-36.00	43.81	PK	Vertical	ERP
5	747.526	28.95	-100.76	-71.81	-36.00	35.81	PK	Vertical	ERP
6	913.519	28.59	-96.70	-68.11	-36.00	32.11	PK	Vertical	ERP

ıure 7. 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.

ıure 8.

Test Date:	2025-12-04	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE1M 2402MHz Mode	**Power Supply**:	DC 3.3V
Condition:	Temp:23.7°C;Humi:52.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111108-3E\CE ABOVE 1G BLE\17		
Memo:	Sample Number:S25111108-005 Power Setting:NA		



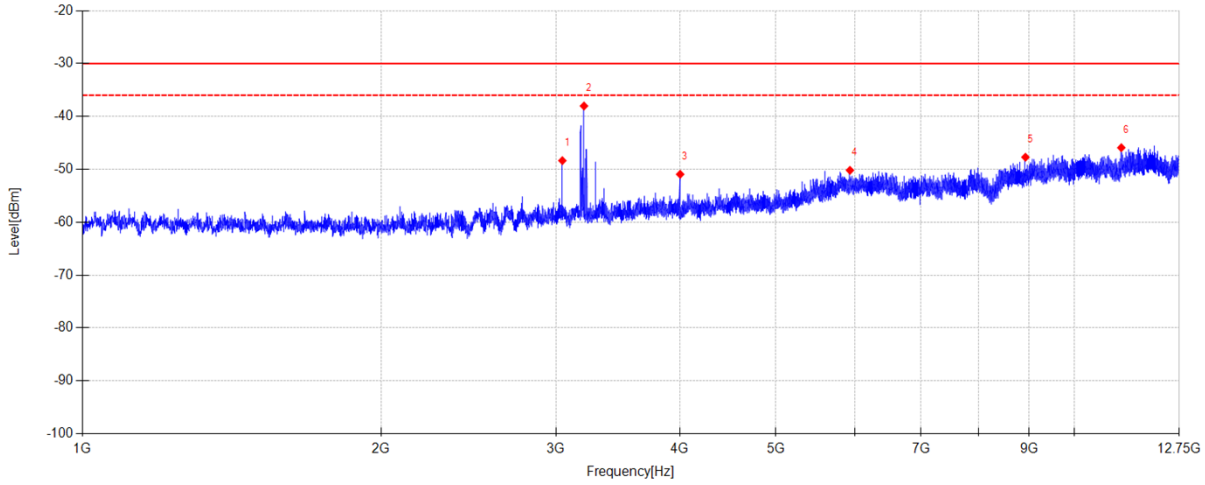
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	3202.635	63.36	-102.36	-39.00	**-30.00**	9.00	PK	Horizontal	EIRP
2	3290.271	56.74	-102.23	-45.49	**-30.00**	15.49	PK	Horizontal	EIRP
3	4003.104	59.66	-101.08	-41.42	**-30.00**	11.42	PK	Horizontal	EIRP
4	5605.021	49.99	-95.79	-45.80	**-30.00**	15.80	PK	Horizontal	EIRP
5	9648.490	42.50	-89.26	-46.76	**-30.00**	16.76	PK	Horizontal	EIRP
6	11914.771	41.98	-88.52	-46.54	**-30.00**	16.54	PK	Horizontal	EIRP

ıure 9. 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.

ıre 10.

Test Date:	2025-12-04	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE1M 2402MHz Mode	**Power Supply**:	DC 3.3V
Condition:	Temp:23.7°C;Humi:52.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111108-3E\CE ABOVE 1G BLE\18		
Memo:	Sample Number:S25111108-005 Power Setting:NA		



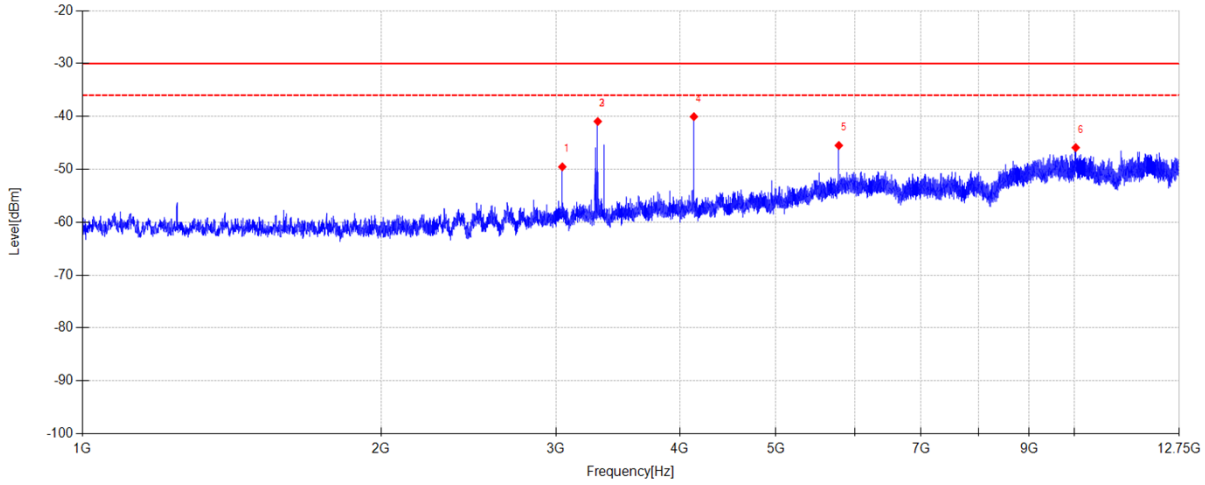
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	3045.969	54.20	-102.56	-48.36	**-30.00**	18.36	PK	Vertical	EIRP
2	3202.635	64.30	-102.32	-38.02	**-30.00**	8.02	PK	Vertical	EIRP
3	4003.594	50.17	-101.11	-50.94	**-30.00**	20.94	PK	Vertical	EIRP
4	5937.448	44.18	-94.37	-50.19	**-30.00**	20.19	PK	Vertical	EIRP
5	8921.948	42.52	-90.23	-47.71	**-30.00**	17.71	PK	Vertical	EIRP
6	11145.146	42.11	-88.02	-45.91	**-30.00**	15.91	PK	Vertical	EIRP

ure 11. 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.

ure 12.

Test Date:	2025-12-04	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE1M 2480MHz Mode	**Power Supply**:	DC 3.3V
Condition:	Temp:23.7°C;Humi:52.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111108-3E\CE ABOVE 1G BLE\19		
Memo:	Sample Number:S25111108-005 Power Setting:NA		



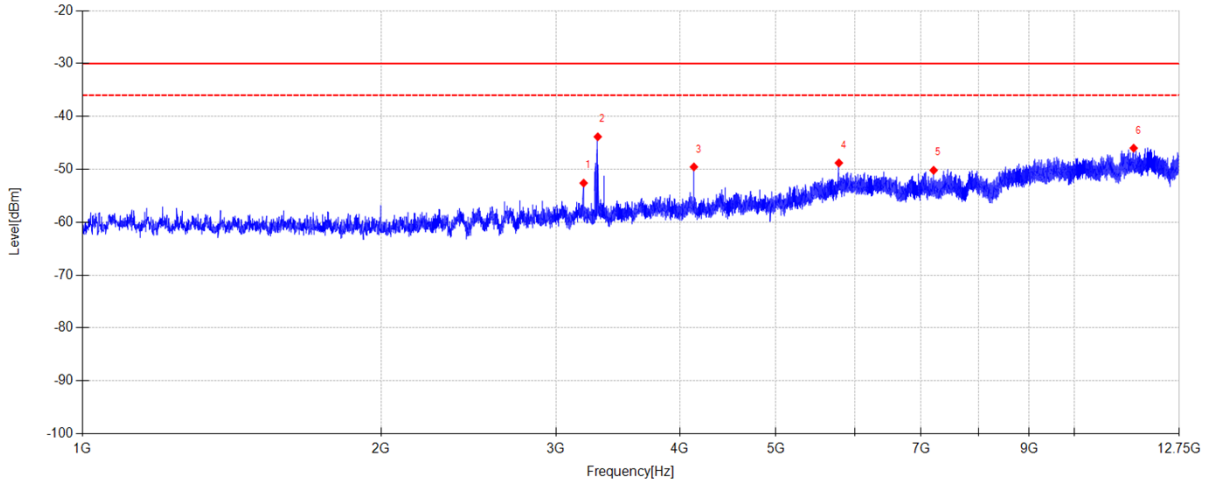
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	3045.479	53.08	-102.61	-49.53	**-30.00**	19.53	PK	Horizontal	EIRP
2	3306.917	61.26	-102.20	-40.94	**-30.00**	10.94	PK	Horizontal	EIRP
3	3306.917	61.26	-102.20	-40.94	**-30.00**	10.94	PK	Horizontal	EIRP
4	4133.333	60.68	-100.72	-40.04	**-30.00**	10.04	PK	Horizontal	EIRP
5	5786.656	49.52	-95.01	-45.49	**-30.00**	15.49	PK	Horizontal	EIRP
6	10026.448	43.17	-89.07	-45.90	**-30.00**	15.90	PK	Horizontal	EIRP

ure 13. 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.

ure 14.

Test Date:	2025-12-04	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE1M 2480MHz Mode	**Power Supply**:	DC 3.3V
Condition:	Temp:23.7°C;Humi:52.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111108-3E\CE ABOVE 1G BLE\20		
Memo:	Sample Number:S25111108-005 Power Setting:NA		



Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	3200.188	49.71	-102.32	-52.61	**-30.00**	22.61	PK	Vertical	EIRP
2	3306.917	58.31	-102.16	-43.85	**-30.00**	13.85	PK	Vertical	EIRP
3	4133.333	51.26	-100.81	-49.55	**-30.00**	19.55	PK	Vertical	EIRP
4	5787.146	46.29	-95.09	-48.80	**-30.00**	18.80	PK	Vertical	EIRP
5	7209.385	44.29	-94.47	-50.18	**-30.00**	20.18	PK	Vertical	EIRP
6	11469.740	41.97	-87.97	-46.00	**-30.00**	16.00	PK	Vertical	EIRP

ure 15. 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.

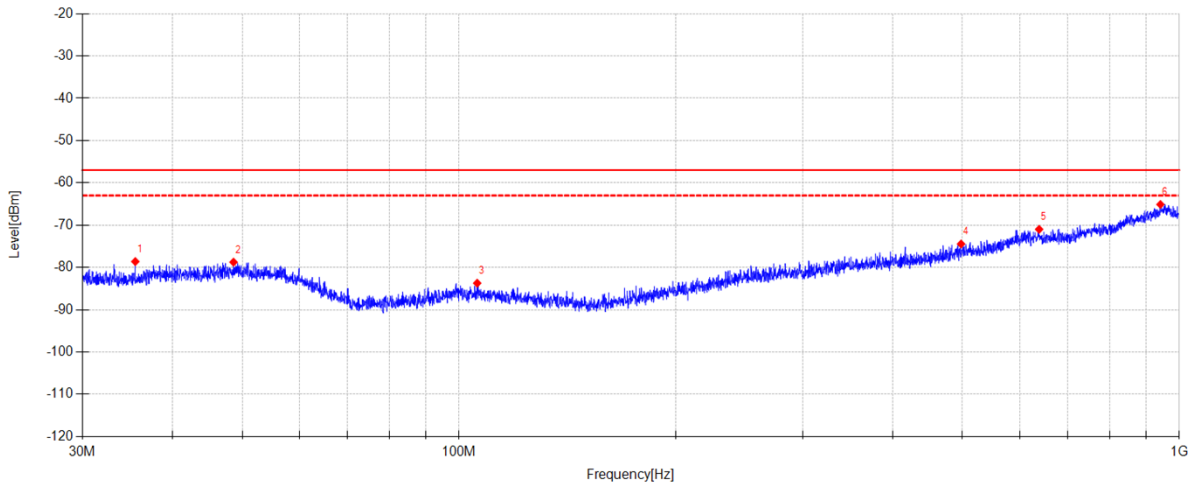
ure 16.

6 Appendix A.6 : Receiver spurious emissions

Note: This product without an antenna connector, only the worst case was recorded in band 30MHz- 1GHz.

BLE Mode, 1Mbps

Test Date:	2025-12-04	**Tested By**:	Li Xiongbin
Test Mode:	RX BLE1M 2402MHz Mode	**Power Supply**:	DC 3.3V
Condition:	Temp:23.7°C;Humi:52.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111108-3E\CE BELOW 1G BLE\17		
Memo:	Sample Number:S25111108-005		



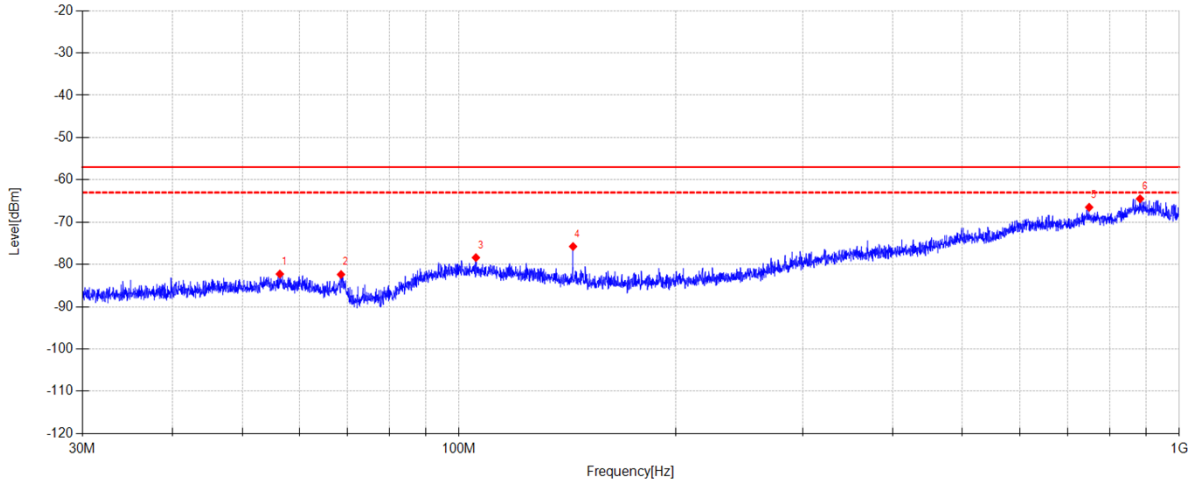
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	35.523	34.63	-113.24	-78.61	-57.00	21.61	PK	Horizontal	ERP
2	48.633	32.55	-111.30	-78.75	-57.00	21.75	PK	Horizontal	ERP
3	105.986	32.86	-116.58	-83.72	-57.00	26.72	PK	Horizontal	ERP
4	497.746	32.89	-107.34	-74.45	-57.00	17.45	PK	Horizontal	ERP
5	638.874	33.68	-104.67	-70.99	-57.00	13.99	PK	Horizontal	ERP
6	941.481	33.97	-99.07	-65.10	-57.00	8.10	PK	Horizontal	ERP

ure 17. 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.

ure 18.

Test Date:	2025-12-04	**Tested By**:	Li Xiongbin
Test Mode:	RX BLE1M 2402MHz Mode	**Power Supply**:	DC 3.3V
Condition:	Temp:23.7°C;Humi:52.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111108-3E\CE BELOW 1G BLE\18		
Memo:	Sample Number:S25111108-005		



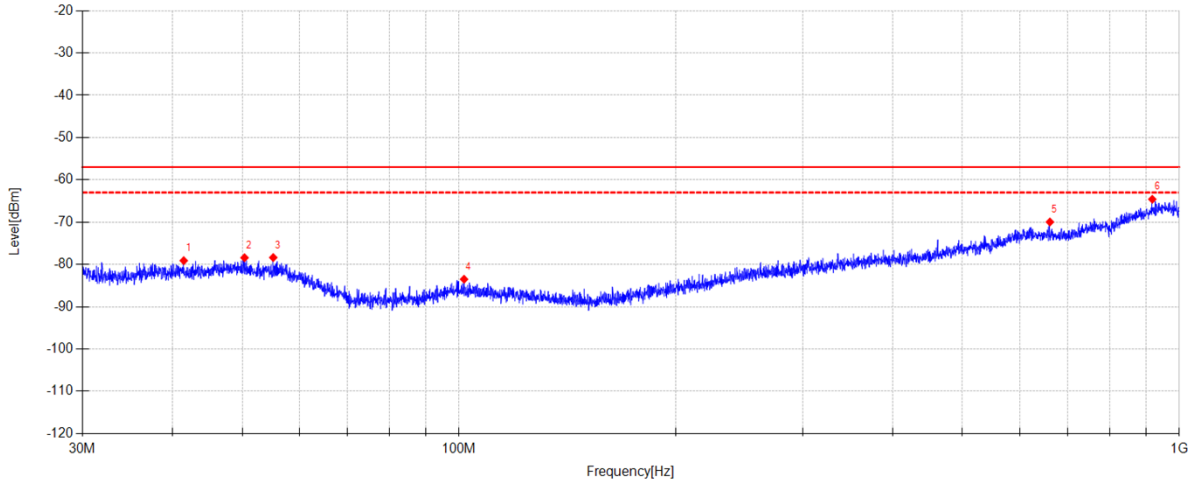
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	56.388	33.60	-115.87	-82.27	-57.00	25.27	PK	Vertical	ERP
2	68.572	36.01	-118.38	-82.37	-57.00	25.37	PK	Vertical	ERP
3	105.541	33.24	-111.62	-78.38	-57.00	21.38	PK	Vertical	ERP
4	143.986	38.56	-114.31	-75.75	-57.00	18.75	PK	Vertical	ERP
5	749.626	34.22	-100.70	-66.48	-57.00	9.48	PK	Vertical	ERP
6	882.047	33.19	-97.66	-64.47	-57.00	7.47	PK	Vertical	ERP

ure 19. 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.

ure 20.

Test Date:	2025-12-04	**Tested By**:	Li Xiongbin
Test Mode:	RX BLE1M 2480MHz Mode	**Power Supply**:	DC 3.3V
Condition:	Temp:23.7°C;Humi:52.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111108-3E\CE BELOW 1G BLE\19		
Memo:	Sample Number:S25111108-005		



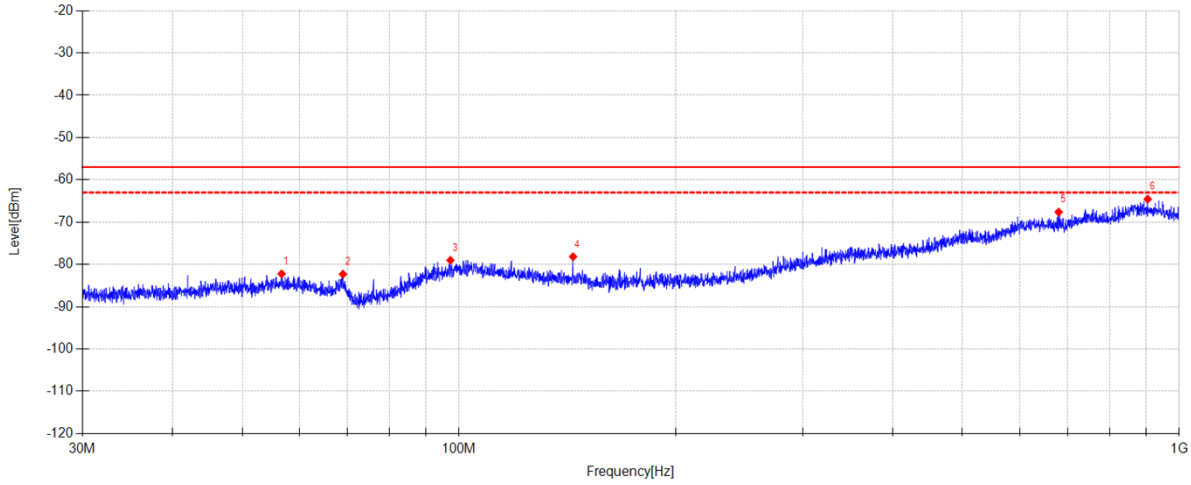
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	41.477	33.10	-112.20	-79.10	-57.00	22.10	PK	Horizontal	ERP
2	50.368	32.80	-111.21	-78.41	-57.00	21.41	PK	Horizontal	ERP
3	55.214	34.03	-112.40	-78.37	-57.00	21.37	PK	Horizontal	ERP
4	101.620	32.79	-116.29	-83.50	-57.00	26.50	PK	Horizontal	ERP
5	661.205	34.74	-104.70	-69.96	-57.00	12.96	PK	Horizontal	ERP
6	917.370	35.20	-99.78	-64.58	-57.00	7.58	PK	Horizontal	ERP

ure 21. 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.

ure 22.

Test Date:	2025-12-04	**Tested By**:	Li Xiongbin
Test Mode:	RX BLE1M 2480MHz Mode	**Power Supply**:	DC 3.3V
Condition:	Temp:23.7°C;Humi:52.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111108-3E\CE BELOW 1G BLE\20		
Memo:	Sample Number:S25111108-005		



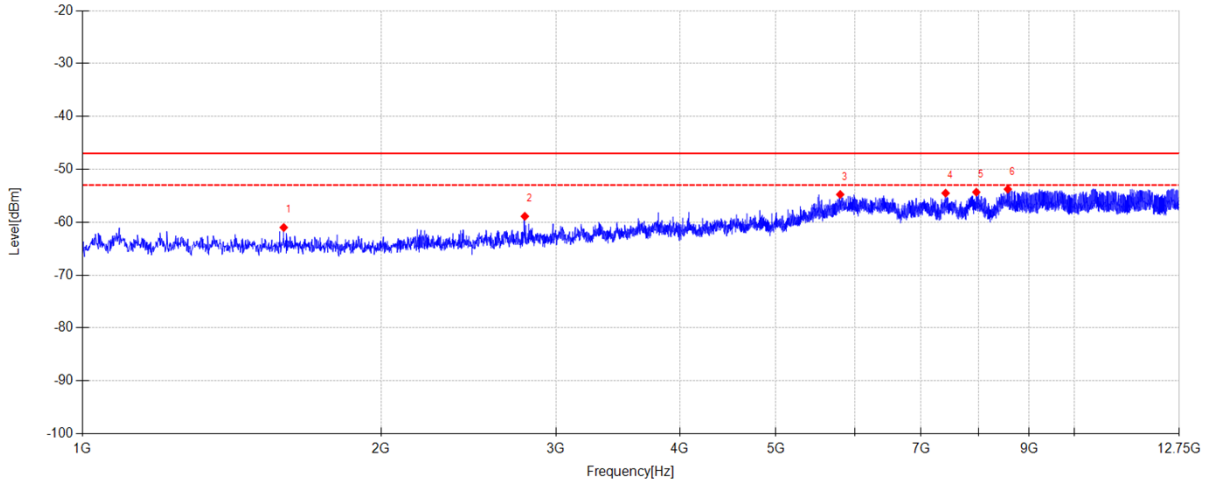
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	56.705	33.65	-115.87	-82.22	-57.00	25.22	PK	Vertical	ERP
2	69.006	36.21	-118.50	-82.29	-57.00	25.29	PK	Vertical	ERP
3	97.296	32.70	-111.72	-79.02	-57.00	22.02	PK	Vertical	ERP
4	143.986	36.16	-114.31	-78.15	-57.00	21.15	PK	Vertical	ERP
5	680.012	34.69	-102.30	-67.61	-57.00	10.61	PK	Vertical	ERP
6	903.961	32.03	-96.58	-64.55	-57.00	7.55	PK	Vertical	ERP

ure 23. 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.

ure 24.

Test Date:	2025-12-04	**Tested By**:	Li Xiongbin
Test Mode:	RX BLE1M 2402MHz Mode	**Power Supply**:	DC 3.3V
Condition:	Temp:23.7°C;Humi:52.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111108-3E\CE ABOVE 1G BLE\24		
Memo:	Sample Number:S25111108-005		



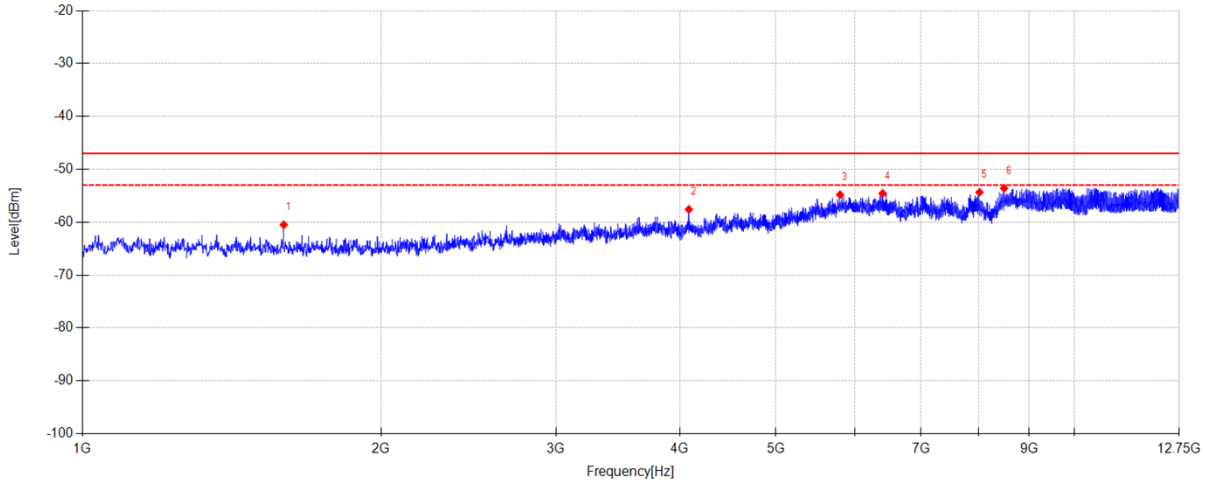
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1595.725	43.28	-104.29	-61.01	**-47.00**	14.01	RMS	Vertical	EIRP
2	2791.875	44.11	-103.01	-58.90	**-47.00**	11.90	RMS	Vertical	EIRP
3	5804.575	40.25	-95.01	-54.76	**-47.00**	7.76	RMS	Vertical	EIRP
4	7413.150	39.59	-94.10	-54.51	**-47.00**	7.51	RMS	Vertical	EIRP
5	7960.700	38.77	-93.09	-54.32	**-47.00**	7.32	RMS	Vertical	EIRP
6	8564.650	37.55	-91.32	-53.77	**-47.00**	6.77	RMS	Vertical	EIRP

ure 25. 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.

ure 26.

Test Date:	2025-12-04	**Tested By**:	Li Xiongbin
Test Mode:	RX BLE1M 2402MHz Mode	**Power Supply**:	DC 3.3V
Condition:	Temp:23.7°C;Humi:52.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111108-3E\CE ABOVE 1G BLE\23		
Memo:	Sample Number:S25111108-005		



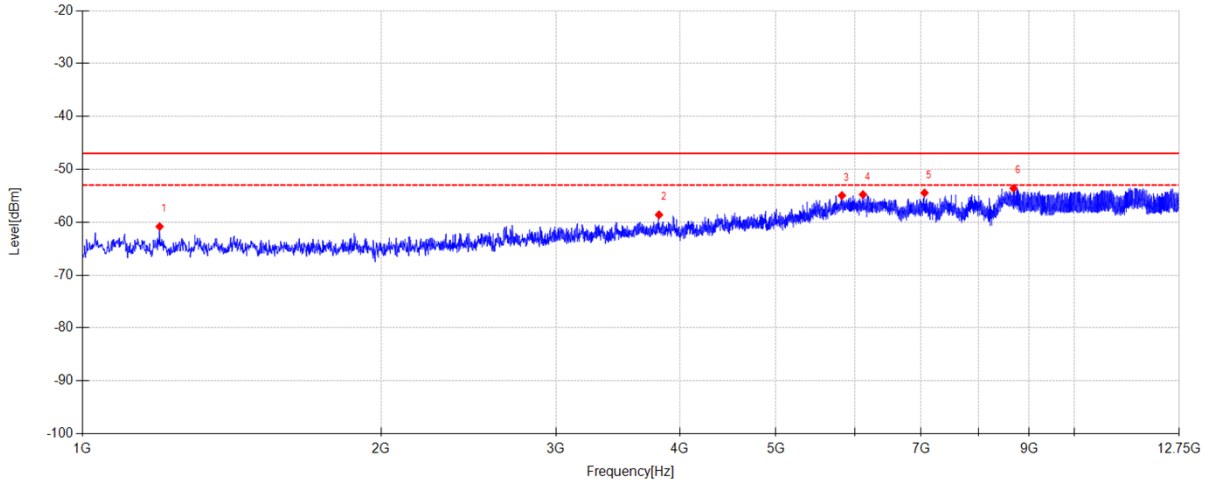
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1595.725	44.10	-104.59	-60.49	**-47.00**	13.49	RMS	Horizontal	EIRP
2	4085.550	43.26	-100.85	-57.59	**-47.00**	10.59	RMS	Horizontal	EIRP
3	5802.225	40.14	-94.94	-54.80	**-47.00**	7.80	RMS	Horizontal	EIRP
4	6405.000	39.77	-94.34	-54.57	**-47.00**	7.57	RMS	Horizontal	EIRP
5	8019.450	39.02	-93.37	-54.35	**-47.00**	7.35	RMS	Horizontal	EIRP
6	8491.800	37.98	-91.58	-53.60	**-47.00**	6.60	RMS	Horizontal	EIRP

ure 27. 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.

ure 28.

Test Date:	2025-12-04	**Tested By**:	Li Xiongbin
Test Mode:	RX BLE1M 2480MHz Mode	**Power Supply**:	DC 3.3V
Condition:	Temp:23.7°C;Humi:52.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111108-3E\CE ABOVE 1G BLE\21		
Memo:	Sample Number:S25111108-005		



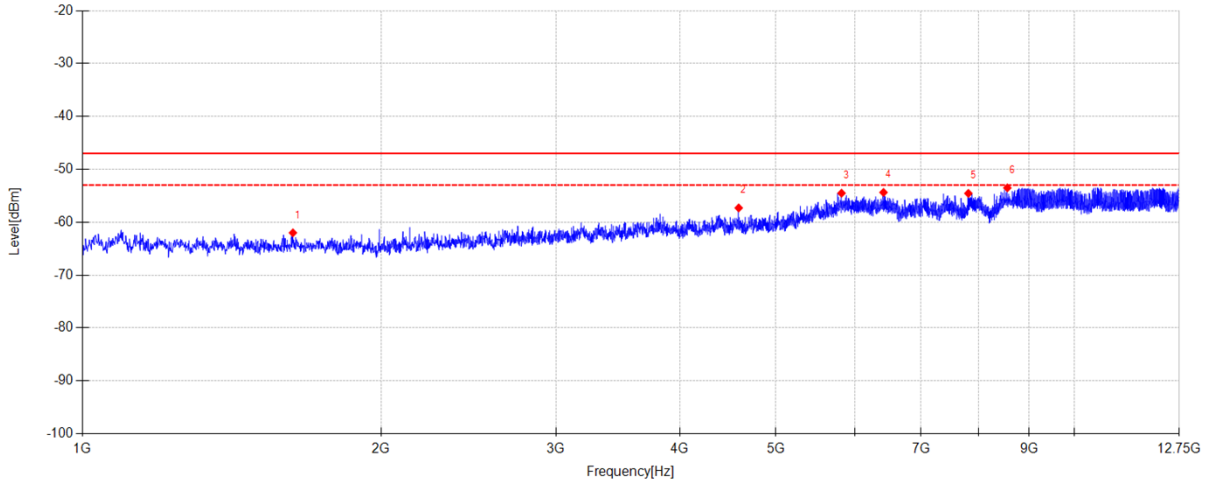
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1196.225	43.66	-104.49	-60.83	**-47.00**	13.83	RMS	Horizontal	EIRP
2	3811.775	42.77	-101.38	-58.61	**-47.00**	11.61	RMS	Horizontal	EIRP
3	5828.075	39.87	-94.83	-54.96	**-47.00**	7.96	RMS	Horizontal	EIRP
4	6119.475	39.40	-94.18	-54.78	**-47.00**	7.78	RMS	Horizontal	EIRP
5	7059.475	40.15	-94.61	-54.46	**-47.00**	7.46	RMS	Horizontal	EIRP
6	8679.800	37.28	-90.87	-53.59	**-47.00**	6.59	RMS	Horizontal	EIRP

ure 29. 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.

ure 30.

Test Date:	2025-12-04	**Tested By**:	Li Xiongbin
Test Mode:	RX BLE1M 2480MHz Mode	**Power Supply**:	DC 3.3V
Condition:	Temp:23.7°C;Humi:52.0%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111108-3E\CE ABOVE 1G BLE\22		
Memo:	Sample Number:S25111108-005		



Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1629.800	42.28	-104.30	-62.02	**-47.00**	15.02	RMS	Vertical	EIRP
2	4586.100	42.47	-99.78	-57.31	**-47.00**	10.31	RMS	Vertical	EIRP
3	5822.200	40.41	-94.93	-54.52	**-47.00**	7.52	RMS	Vertical	EIRP
4	6417.925	40.03	-94.40	-54.37	**-47.00**	7.37	RMS	Vertical	EIRP
5	7815.000	38.80	-93.36	-54.56	**-47.00**	7.56	RMS	Vertical	EIRP
6	8555.250	37.83	-91.34	-53.51	**-47.00**	6.51	RMS	Vertical	EIRP

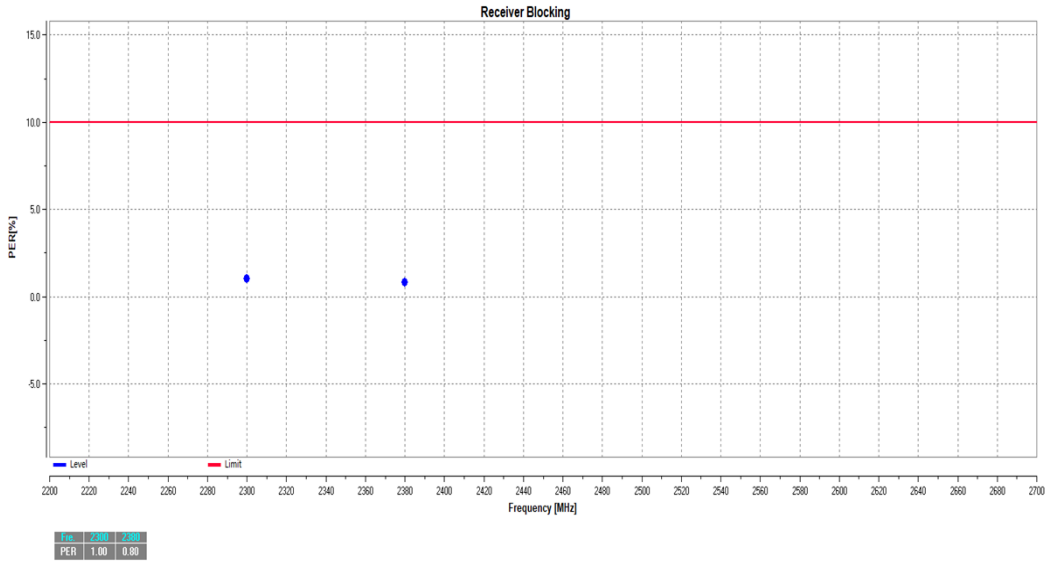
ure 31. Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

ure 32.

7 Appendix A.7: Receiver Blocking

TestMode	Antenna	Frequency[MHz]	Pmin [dBm]	Wanted signal [dBm]	Freq. [MHz]	CW [dBm]	PER [%]	Limit [%]	Verdict
BLE_1M	Ant1	2402	---	-57.32	2300	-32.7	1.00	≤10	PASS
			---	-57.32	2380	-32.7	0.80	≤10	PASS
		2480	---	-57.3	2504	-32.7	0.40	≤10	PASS
			---	-57.3	2584	-32.7	0.90	≤10	PASS

BLE_1M_Ant1_2402



BLE_1M_Ant1_2480

