Prüfbericht-Nr.: *Test report no.:*	**CN25YRWJ 001**	**Auftrags-Nr.:** *Order no.:*	27219413	Seite 1 von 27 *Page 1 of 27*
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:*	Active Speaker			
Bezeichnung / Typ-Nr.: *Identification / Type no.:*	EDF100121, S355DB （Trademark: EDIFIER)			
Auftrags-Inhalt: *Order content:*	Type test			
Prüfgrundlage: *Test specification:*	EN 300 328 V2.2.2 (2019-07) ETSI EN 300 328 V2.2.2 (2019-07)			
Wareneingangsdatum: *Date of sample receipt:*	2025-11-25			
Prüfmuster-Nr.: *Test sample no.:*	Q25111416-005, S25111416-006			
Prüfzeitraum: *Testing period:*	2025-12-05 - 2026-01-06			
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:* 2026-02-06		**Ausstellungsdatum:** *Issue date:* 2026-02-06	
Stellung / Position	Project Manager	**Stellung** / Position	Authorizer

Sonstiges / *Other:*

This report is for Article 3.2 Radio Spectrum of Bluetooth.

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

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1 General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:
Appendix A: Test Results of Classic Bluetooth.
Appendix B: Test Results of Bluetooth Low Energy.

2 Test Sites

2.1 Test Facilities

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

CNAS No.: L6451

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

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Equipment	Manufacturer	Model No.	Serial Number	Due Date	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	Tonsend	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	Ver.3.2.22	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 an Active Speaker with an IR remote controller, this product is used for audio entertainment in house or similar environment.
This product has two components: active satellite speaker (Passive & Active) and active subwoofer, the Active satellite speaker connected to Subwoofer via 5.8GHz wireless; the Active satellite speaker supports Bluetooth Dual mode and 5.8GHz wireless technologies, the Subwoofer supports 5.8GHz wireless technology.
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	Active Speaker
Type Designation	EDF100121, S355DB
Trade Mark	EDIFIER
Extreme Temperature Range	0°C - +35°C
Operating Voltage	AC 100-240V, 50/60Hz, 600mA for active satellite speaker AC 100-240V, 50/60Hz, 1A for active subwoofer
Technical Specification of Bluetooth (BDR & EDR)	
Operating Frequency Channel	2402 – 2480 MHz
Channel Number	79 channels
Channel separation	1MHz
Modulation	GFSK, π/4DQPSK
Antenna Type	PCB Layout antenna
Antenna Gain	2.59 dBi (Provide by the Client)
Technical Specification of Bluetooth (Bluetooth Low Energy)	
Operating Frequency Channel	2402 – 2480 MHz for data rate 1Mbps 2404 – 2478 MHz for data rate 2Mbps
Data rate	1Mbps, 2Mbps
Channel Number	40 channels for data rate 1Mbps 38 channels for data rate 2Mbps
Channel separation	2MHz
Modulation	GFSK
Antenna Type	PCB Layout antenna
Antenna Gain	2.59 dBi (Provide by the Client)
Technical Specification of 5.8GHz	
Operating Frequency band	5729MHz – 5845MHz
Channel Number	59 channels
Modulation	FSK
Antenna Type	Integral antenna
Number of Antenna	2 (one for TX and another one for RX)
Antenna Gain	1.57 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 multimedia speaker with model EDF100121

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	:	2025-12-05 to 2026-01-06
Test voltage	:	AC 230V, 50Hz
Test environment	:	Normal and extreme temperature
Operation mode	:	A.1
Ambient temperature	:	24.3 ℃
Relative humidity	:	44.2 %
Atmospheric pressure	:	101.4 kPa

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

5.1.2 Power Spectral Density

RESULT: **Pass**

Test Specification

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

Test Setup

Date of testing	:	2025-12-05 to 2026-01-06
Test voltage	:	AC 230V, 50Hz
Test environment	:	Normal temperature
Operation mode	:	A.1
Ambient temperature	:	24.3 ℃
Relative humidity	:	44.2 %
Atmospheric pressure	:	101.4 kPa

For the measurement records, refer to the appendix B.

5.1.3 Duty Cycle, TX-sequence, TX-gap

RESULT: **Not applicable**

Test Specification

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

Exemption Condition(s):

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

Conclusion:

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

5.1.4 Accumulated Transmit Time, Frequency Occupation and Hopping Sequence

RESULT: **Pass**

Test Specification

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

Test Setup

Date of testing	:	2025-12-05 to 2026-01-06
Test voltage	:	AC 230V, 50Hz
Test environment	:	Normal temperature
Operation mode	:	A.1
Ambient temperature	:	24.3 ℃
Relative humidity	:	44.2 %
Atmospheric pressure	:	101.4 kPa

For the measurement records, refer to the appendix A.

5.1.5 Hopping Frequency Separation

RESULT: **Pass**

Test Specification

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

Test Setup

Date of testing	:	2025-12-05 to 2026-01-06
Test voltage	:	AC 230V, 50Hz
Test environment	:	Normal temperature
Operation mode	:	A.1
Ambient temperature	:	24.3 ℃
Relative humidity	:	44.2 %
Atmospheric pressure	:	101.4 kPa

For the measurement records, refer to the appendix A.

5.1.6 Medium Utilisation (MU) Factor

RESULT: **Not applicable**

Test Specification

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

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

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

5.1.7 Adaptivity

RESULT: **Not applicable**

Test Specification

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

Exemption Conditions:

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

Conclusion:

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

5.1.8 Occupied Channel Bandwidth

RESULT: **Pass**

Test Specification

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

Test Setup

Date of testing	:	2025-12-05 to 2026-01-06
Test voltage	:	AC 230V, 50Hz
Test environment	:	Normal temperature
Operation mode	:	A.1
Ambient temperature	:	24.3 ℃
Relative humidity	:	44.2 %
Atmospheric pressure	:	101.4 kPa

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

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

RESULT: **Pass**

Test Specification

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

Test Setup

Date of testing	:	2025-12-05 to 2026-01-06
Test voltage	:	AC 230V, 50Hz
Test environment	:	Normal temperature
Operation mode	:	A.1
Ambient temperature	:	24.3 ℃
Relative humidity	:	44.2 %
Atmospheric pressure	:	101.4 kPa

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

5.1.10 Transmitter Unwanted Emissions in the Spurious Domain

RESULT: **Pass**

Test Specification

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

Test Setup

Date of testing	:	2025-12-05 to 2026-01-06
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	:	2025-12-05 to 2026-01-06
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	:	2025-12-05 to 2026-01-06
Test voltage	:	AC 230V, 50Hz
Test environment	:	Normal temperature
Operation mode	:	A.2
Ambient temperature	:	24.3 ℃
Relative humidity	:	44.2 %
Atmospheric pressure	:	101.4 kPa

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

For Bluetooth-BDR: the maximum RF output power is 8.52dBm.
For Bluetooth-EDR: the maximum RF output power is 7.38dBm.
For Bluetooth-BLE: the maximum RF output power is 6.94dBm.

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

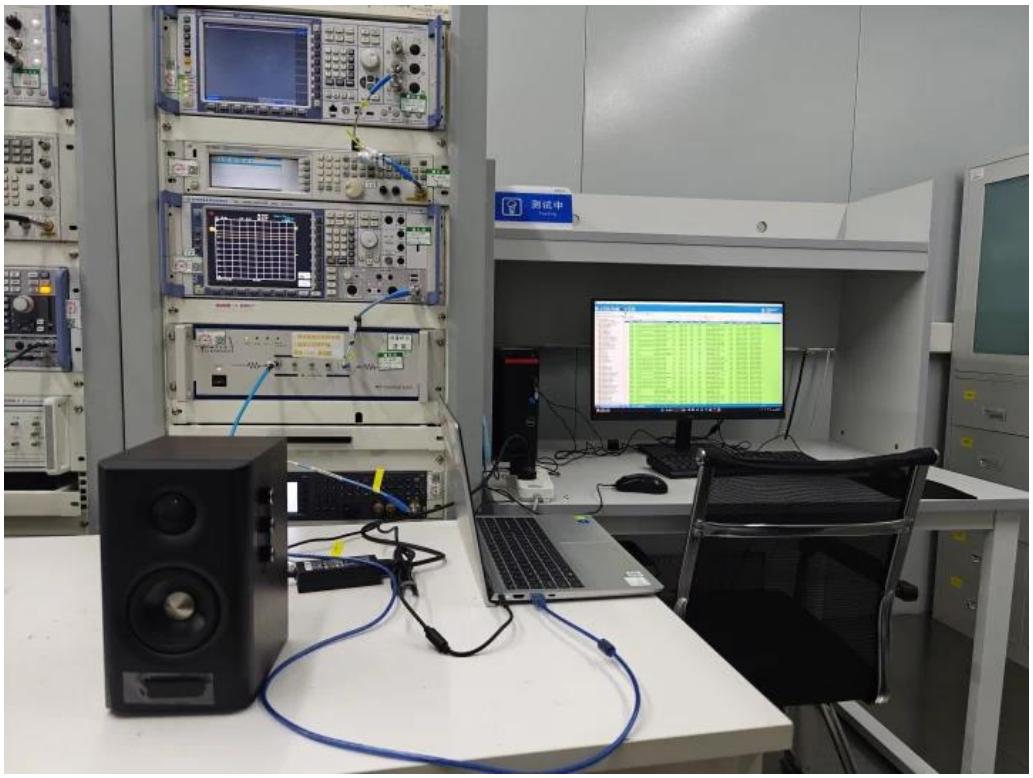
Exemption Conditions:
This requirement only applies to equipment with geo-location capability as defined in clause 4.3.1.13.2 and 4.3.2.12.2.

Conclusion:

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

6 Photographs of the Test Set-Up

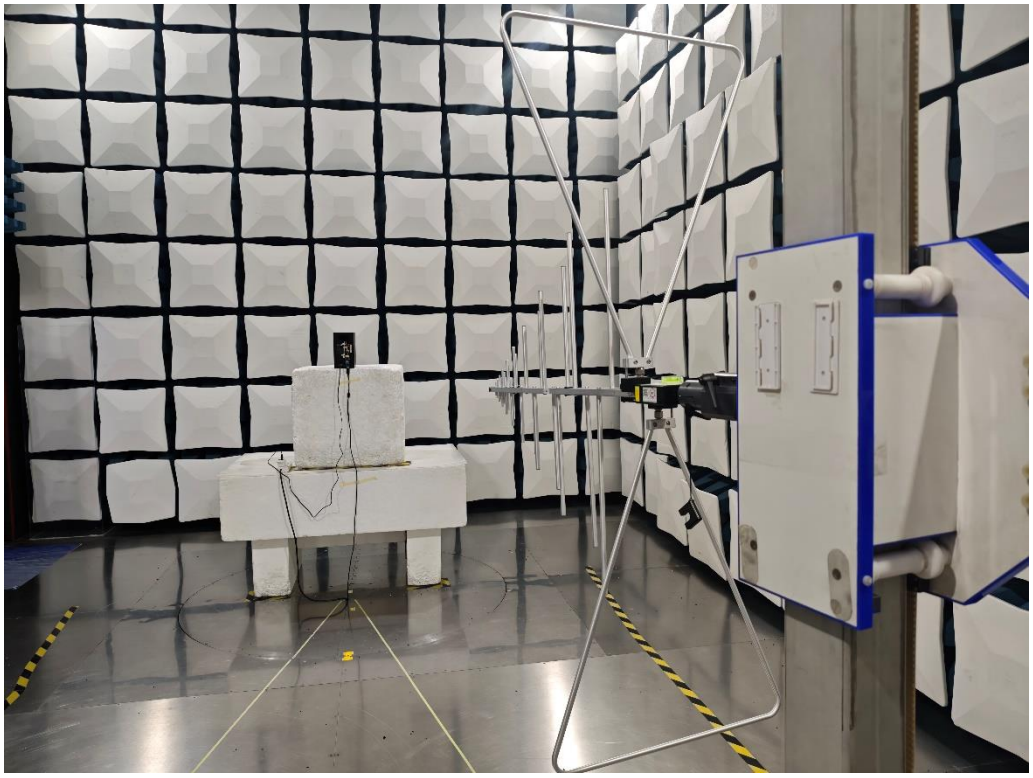
Photograph 1: Set-up for Radio Spectrum Testing, Normal temperature



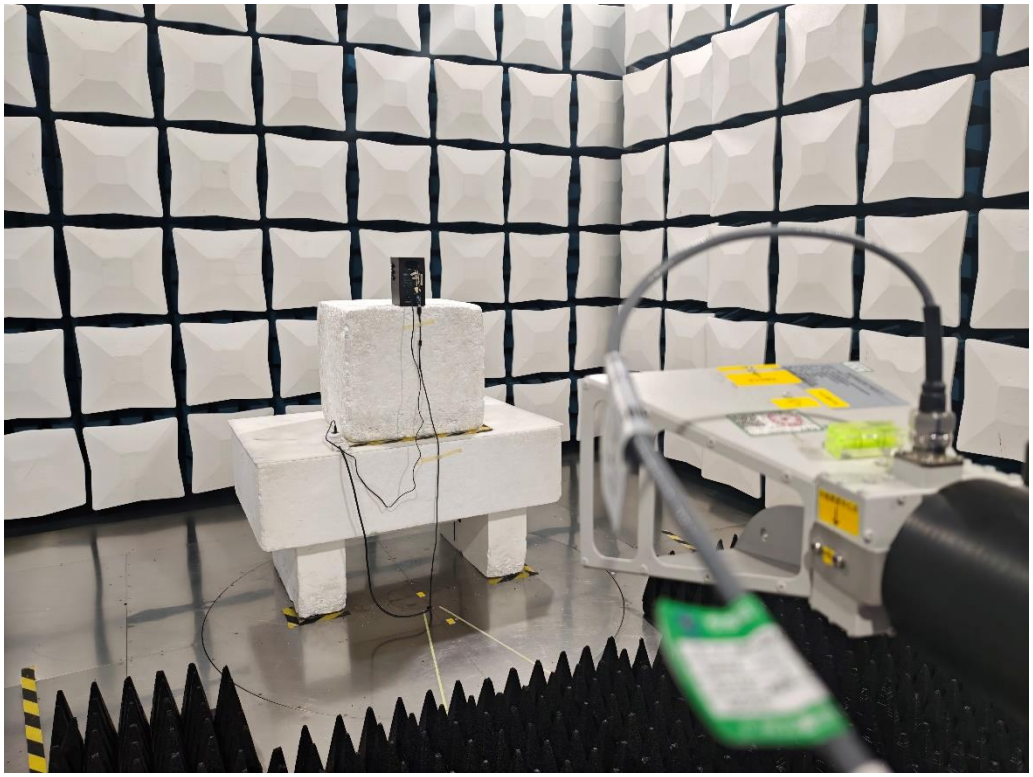
Photograph 2: Set-up for Radio Spectrum Testing, extreme temperature



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 Classic 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.

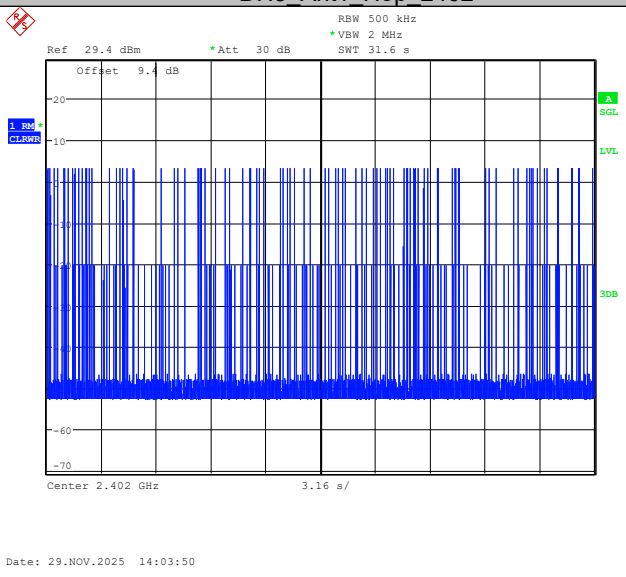
Test Condition	Test Mode	Antenna	Frequency[MHz]	Burst Power [dBm]	EIRP[dBm]	Limit[dBm]	Verdict
NTNV	DH1	Ant1	Hop	5.69	8.28	20	PASS
	DH5	Ant1	Hop	5.72	8.31	20	PASS
	2DH1	Ant1	Hop	4.79	7.38	20	PASS
	2DH5	Ant1	Hop	4.25	6.84	20	PASS
LTNV	DH1	Ant1	Hop	5.93	8.52	20	PASS
	DH5	Ant1	Hop	5.53	8.12	20	PASS
	2DH1	Ant1	Hop	4.56	7.15	20	PASS
	2DH5	Ant1	Hop	3.99	6.58	20	PASS
HTNV	DH1	Ant1	Hop	5.74	8.33	20	PASS
	DH5	Ant1	Hop	5.71	8.30	20	PASS
	2DH1	Ant1	Hop	4.70	7.29	20	PASS
	2DH5	Ant1	Hop	4.17	6.76	20	PASS

Note: EIRP = Measured Highest Pburst Values + Antenna Gain

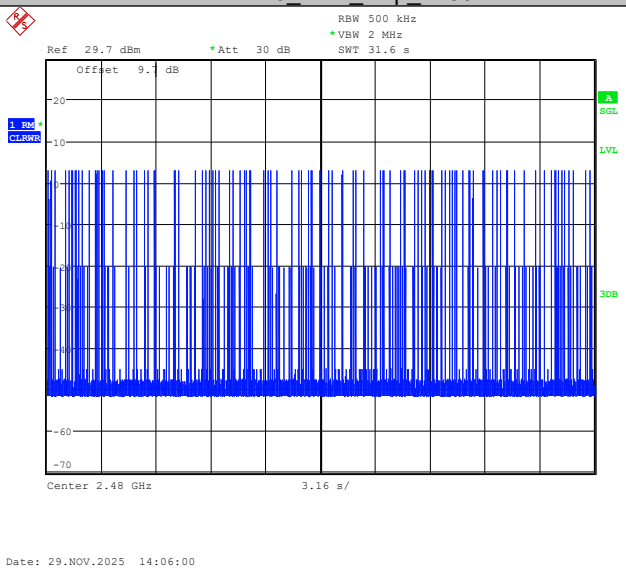
2 Appendix A.2 : Accumulated Transmit Time

Test Mode	Antenna	Channel	Result [ms]	Limit [ms]	Verdict
DH5	Ant1	Hop_2402	283.338	400	PASS
		Hop_2480	308.617	400	PASS
2DH5	Ant1	Hop_2402	322.310	400	PASS
		Hop_2480	283.338	400	PASS

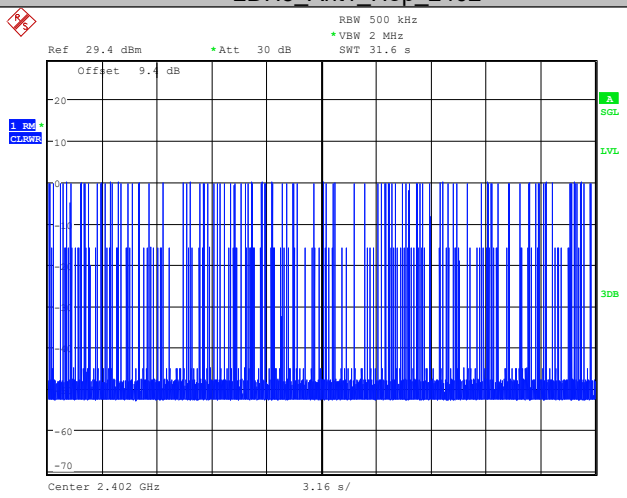
DH5_Ant1_Hop_2402



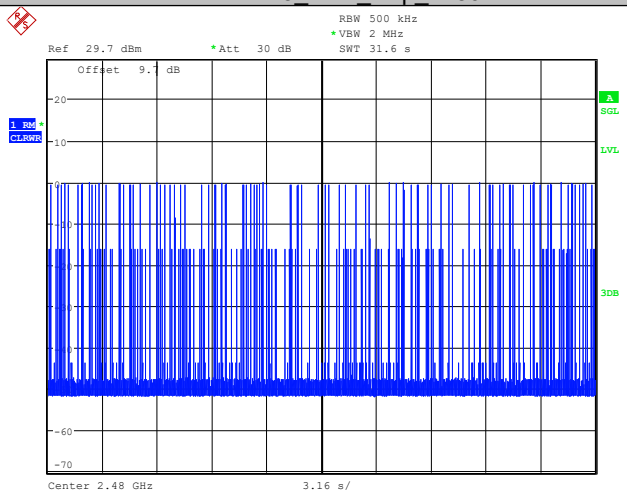
DH5_Ant1_Hop_2480



2DH5_Ant1_Hop_2402



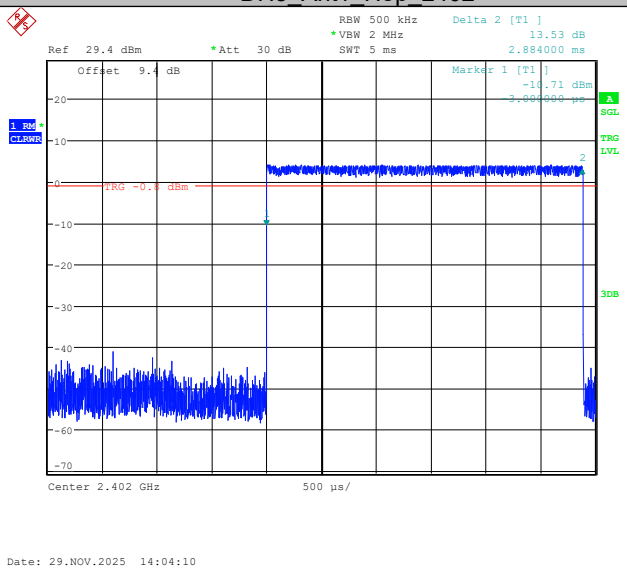
2DH5_Ant1_Hop_2480

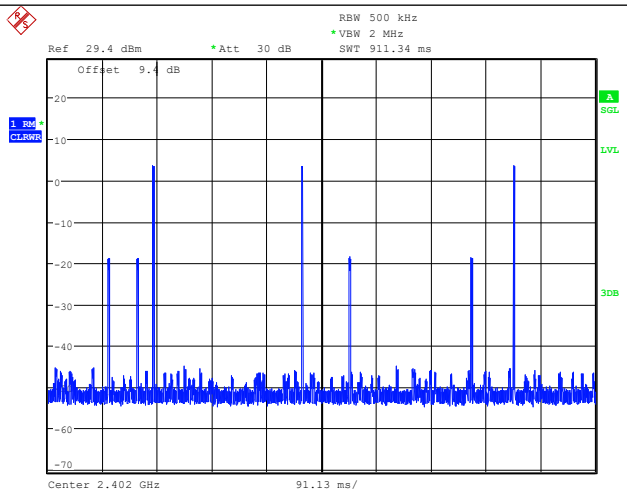


3 Appendix A.3 : Frequency Occupation

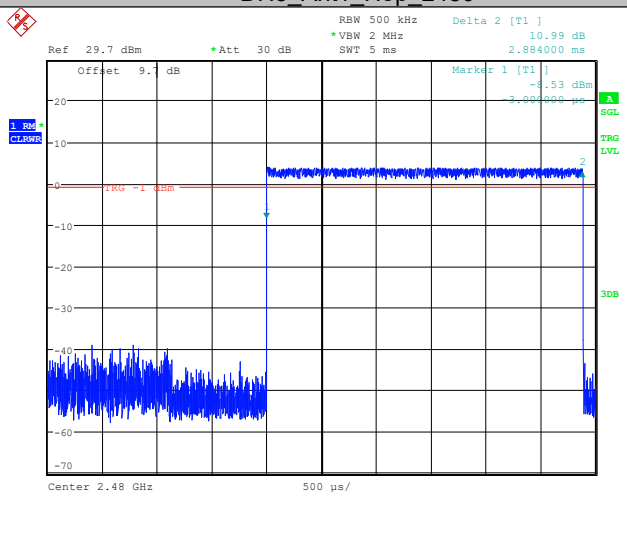
Test Mode	Antenna	Channel	Result [Num.]	Limit [Num.]	Verdict
DH5	Ant1	Hop_2402	3	1	PASS
		Hop_2480	6	1	PASS
2DH5	Ant1	Hop_2402	1	1	PASS
		Hop_2480	3	1	PASS

DH5_Ant1_Hop_2402





DH5_Ant1_Hop_2480



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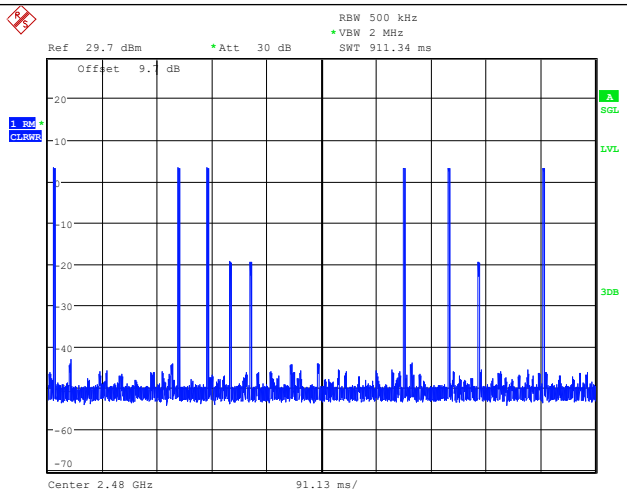

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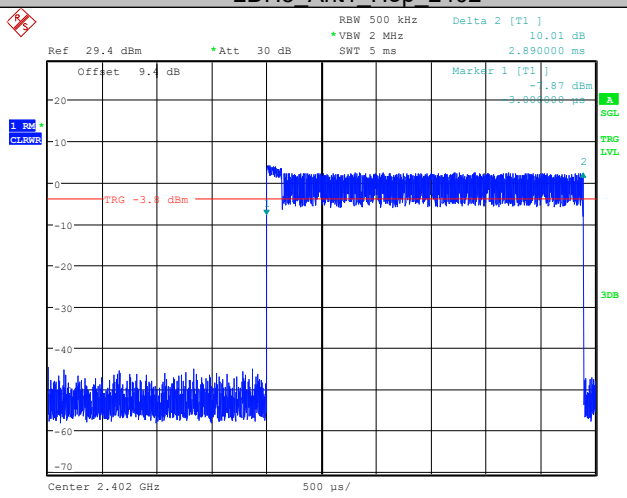
2DH5_Ant1_Hop_2402



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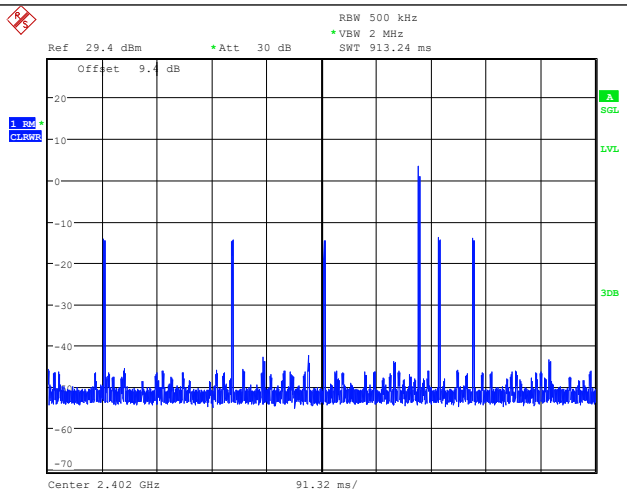

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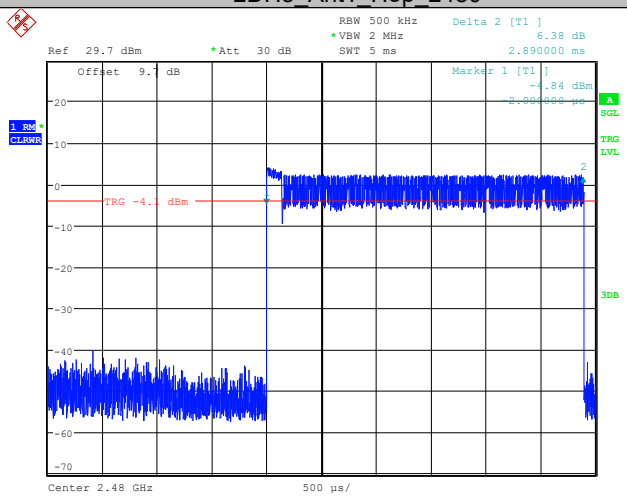
2DH5_Ant1_Hop_2480



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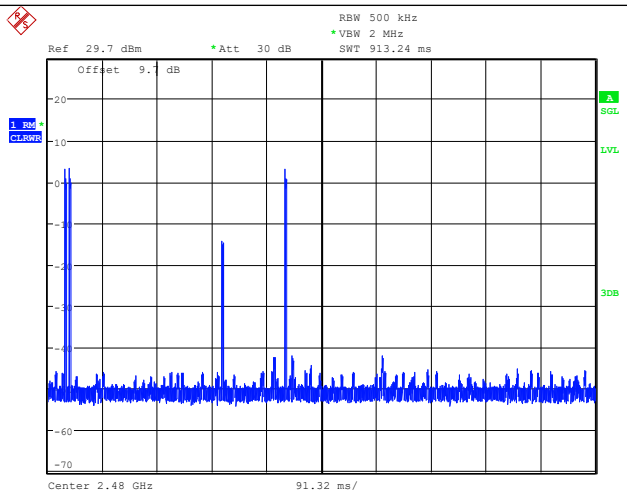

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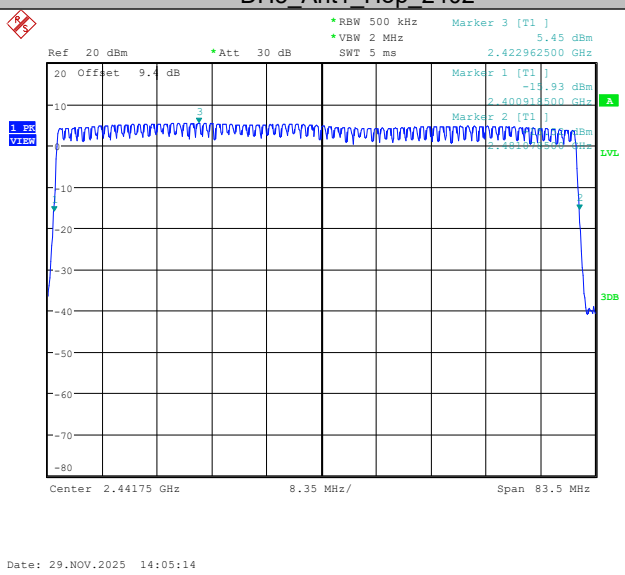
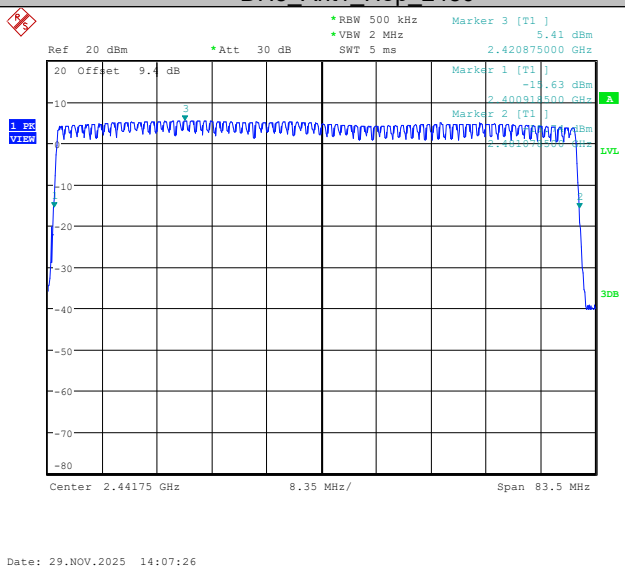
4 Appendix A.4 : Hopping Sequence

Test Mode	Antenna	Channel	Hop. [Num.]	Limit [Num.]	Band Use [%]	Limit [%]	Verdict
DH5	Ant1	Hop_2402	79	15	96.00	70	PASS
		Hop_2480	79	15	96.00	70	PASS
2DH5	Ant1	Hop_2402	79	15	96.30	70	PASS
		Hop_2480	79	15	96.30	70	PASS

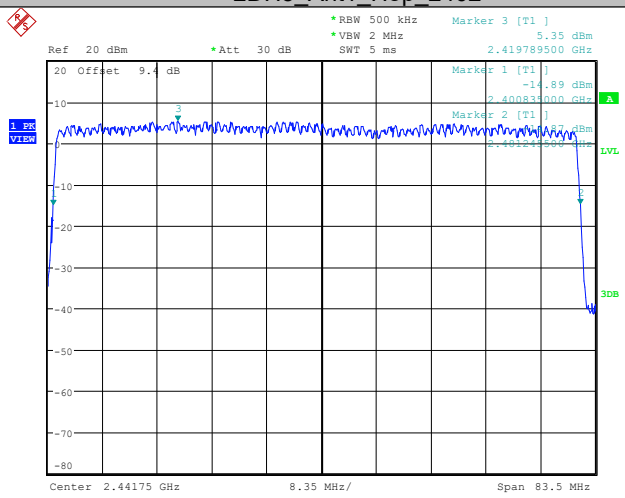
DH5_Ant1_Hop_2402



DH5_Ant1_Hop_2480

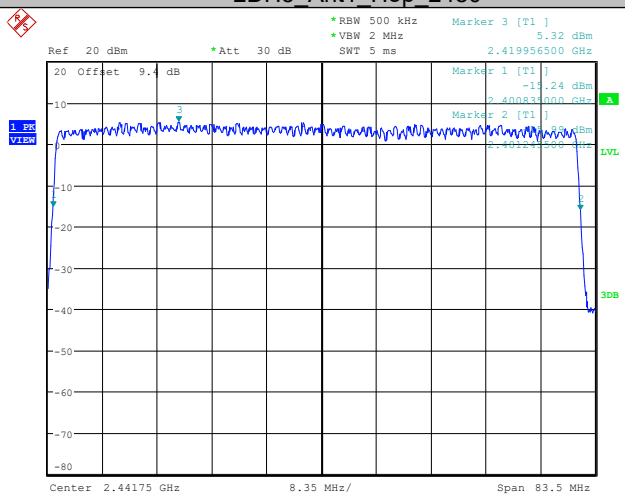


2DH5_Ant1_Hop_2402



Date: 29.NOV.2025 14:16:19

2DH5_Ant1_Hop_2480

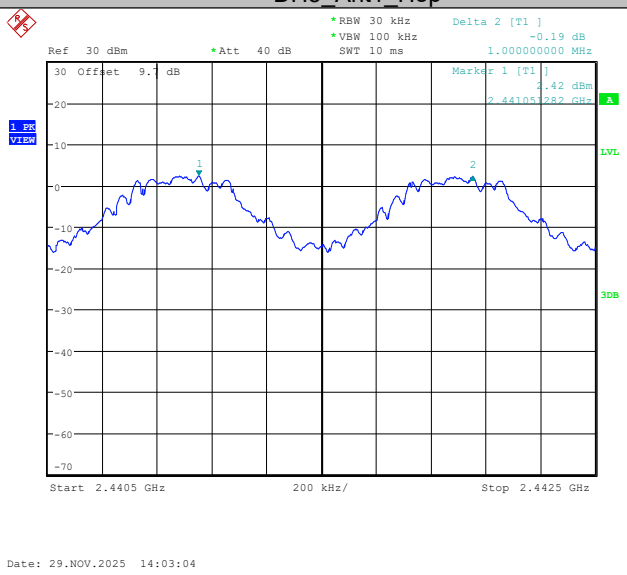


Date: 29.NOV.2025 14:18:06

5 Appendix A.5: Hopping Frequency Separation

Test Mode	Antenna	Channel	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	1	0.100	PASS
2DH5	Ant1	Hop	1.003	0.100	PASS

DH5_Ant1_Hop



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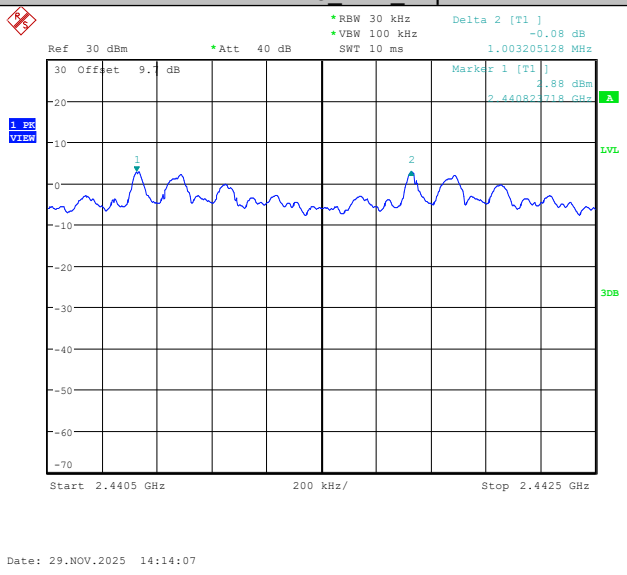
2DH5_Ant1_Hop

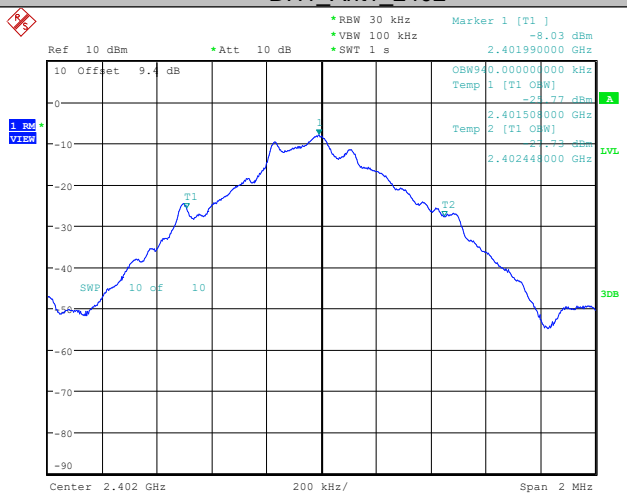


Date: 29.NOV.2025 14:14:07

6 Appendix A.6: Occupied Channel Bandwidth

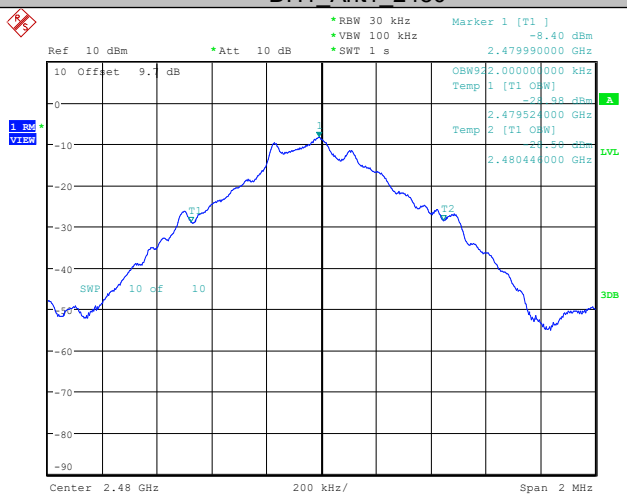
Test Mode	Antenna	Channel	OCB[MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
DH1	Ant1	2402	0.94000	2401.5080	2402.4480	2400 to 2483.5	PASS
		2480	0.92200	2479.5240	2480.4460	2400 to 2483.5	PASS
DH5	Ant1	2402	0.95800	2401.5100	2402.4680	2400 to 2483.5	PASS
		2480	0.93000	2479.5240	2480.4540	2400 to 2483.5	PASS
2DH1	Ant1	2402	1.1740	2401.3980	2402.5720	2400 to 2483.5	PASS
		2480	1.1700	2479.3980	2480.5680	2400 to 2483.5	PASS
2DH5	Ant1	2402	1.2200	2401.3880	2402.6080	2400 to 2483.5	PASS
		2480	1.2120	2479.3900	2480.6020	2400 to 2483.5	PASS

DH1_Ant1_2402



Date: 29.NOV.2025 13:36:06

DH1_Ant1_2480



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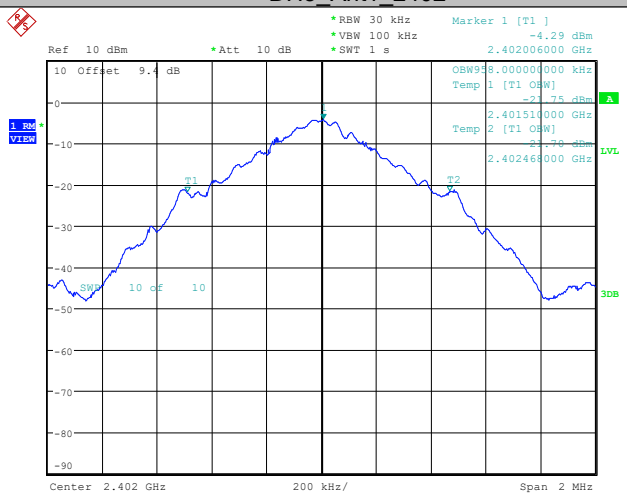
DH5_Ant1_2402



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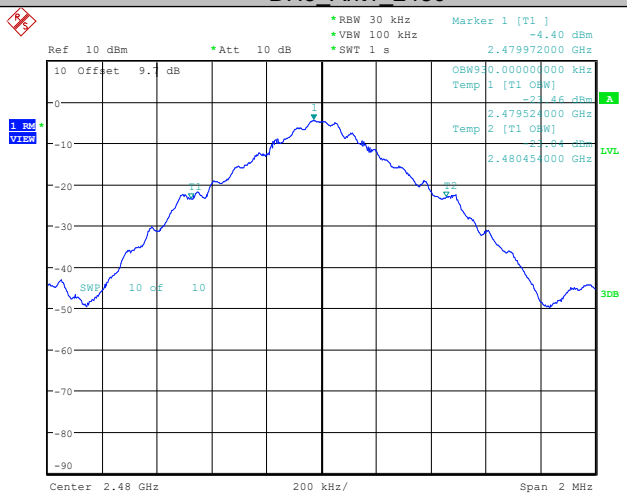
DH5_Ant1_2480



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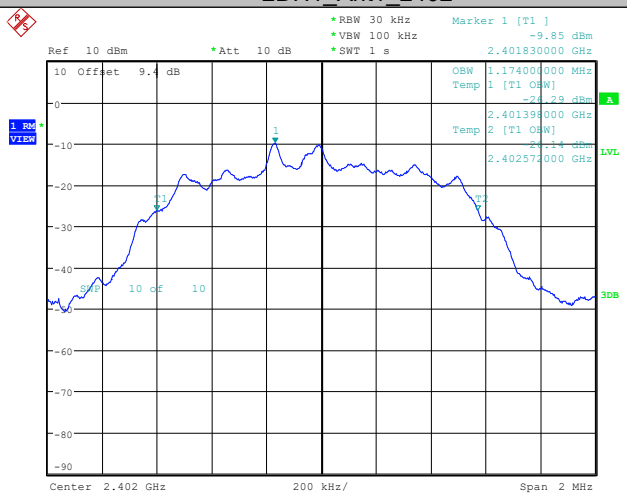
2DH1_Ant1_2402



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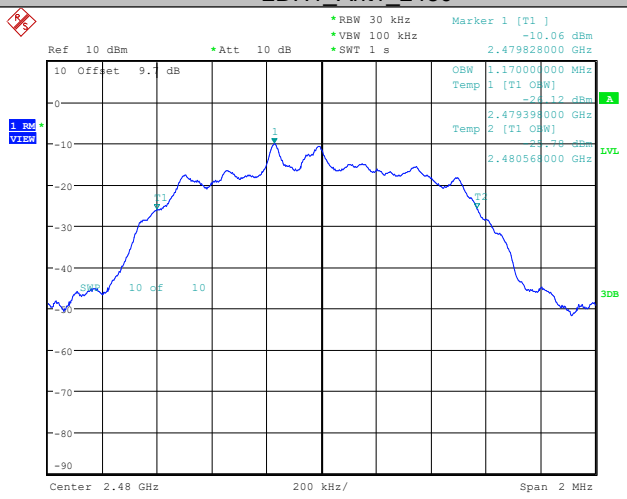
2DH1_Ant1_2480



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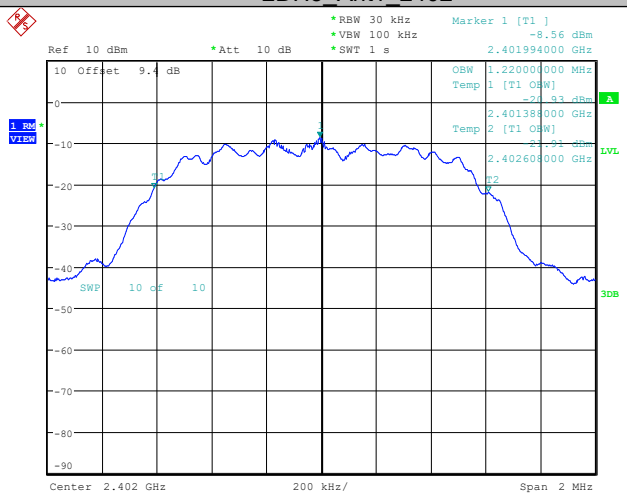
2DH5_Ant1_2402



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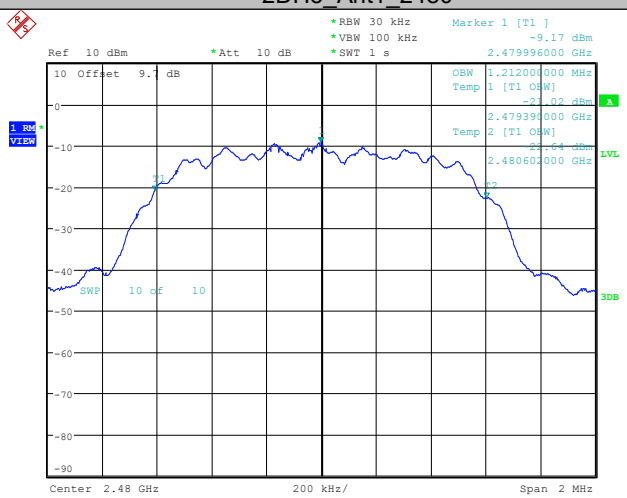
2DH5_Ant1_2480

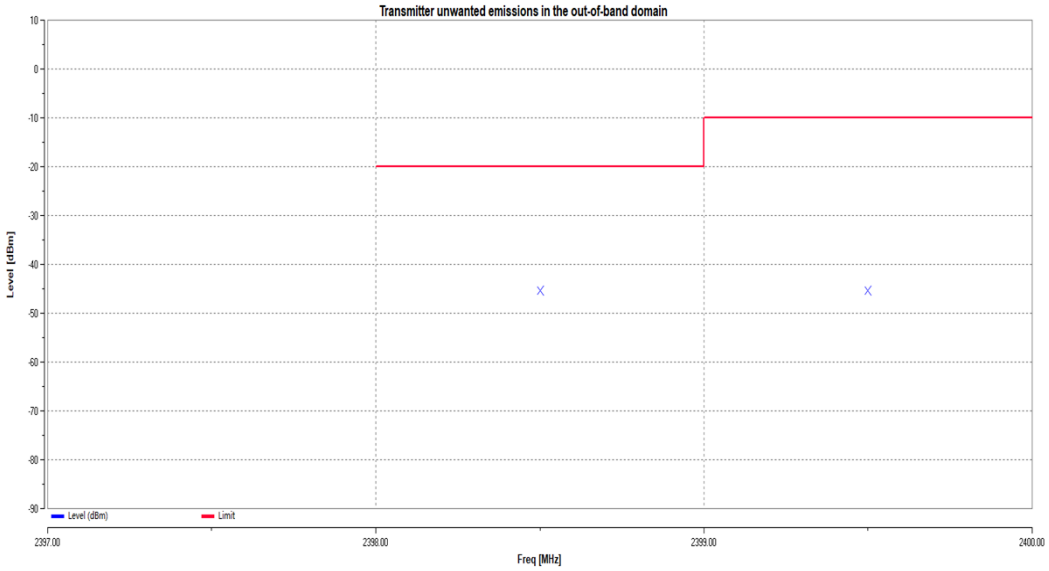


Date: 29.NOV.2025 13:56:48

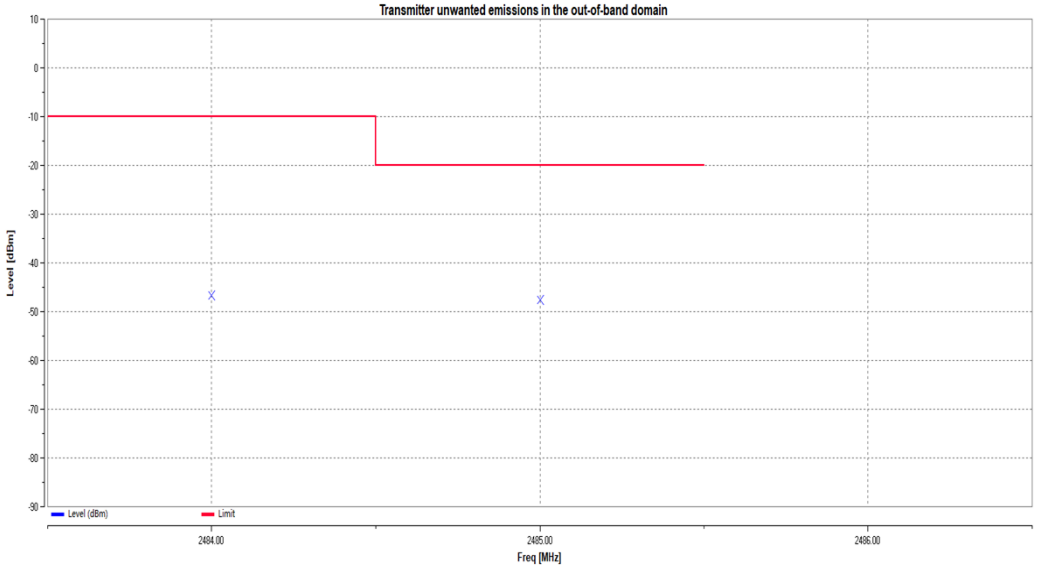
7 Appendix A.7 : Tx unwanted emissions in the out-of-band domain

Test Mode	Antenna	Channel	Freq. [MHz]	Level[dBm]	Limit[dBm]	Verdict
DH5	Ant1	Hop	2398.5	-45.30	-20.00	PASS
			2399.5	-45.30	-10.00	PASS
			2484	-46.59	-10.00	PASS
			2485	-47.51	-20.00	PASS
2DH5	Ant1	Hop	2398.06	-40.55	-20.00	PASS
			2398.28	-42.11	-20.00	PASS
			2399.28	-40.52	-10.00	PASS
			2399.5	-39.85	-10.00	PASS
			2484	-42.31	-10.00	PASS
			2484.22	-41.71	-10.00	PASS
			2485.22	-41.82	-20.00	PASS
			2485.44	-42.34	-20.00	PASS

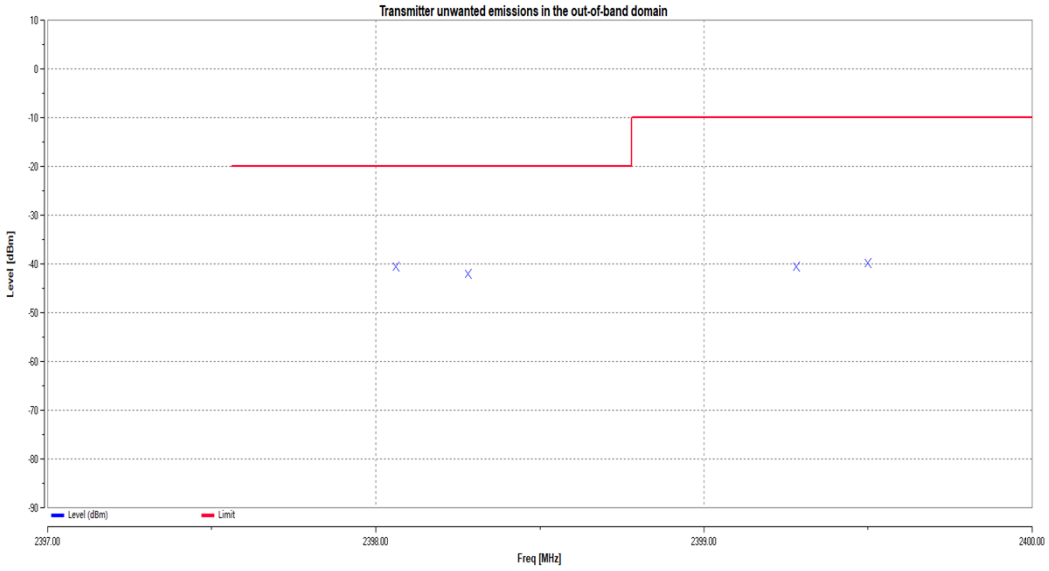
DH5_Ant1_Hop_2400MHz-2BW to 2400MHz



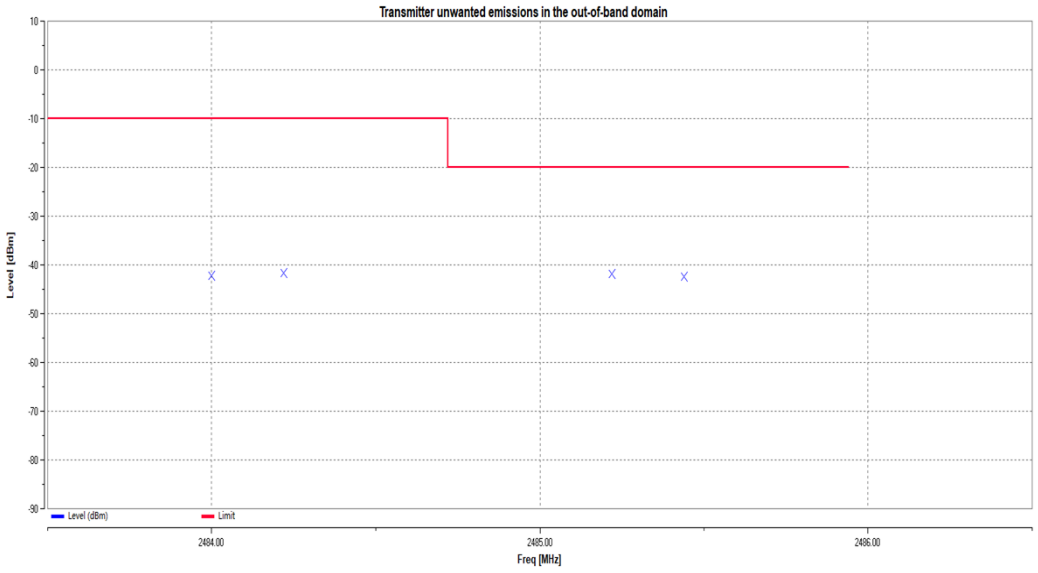
DH5_Ant1_Hop_2483.5MHz to 2483.5MHz+2BW



2DH5_Ant1_Hop_2400MHz-2BW to 2400MHz



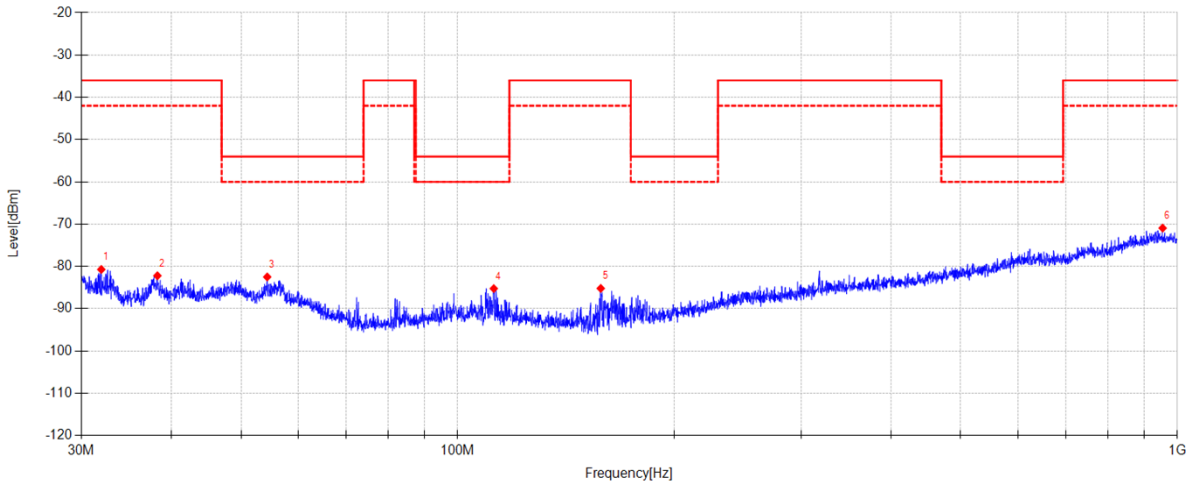
2DH5_Ant1_Hop_2483.5MHz to 2483.5MHz+2BW



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

Note: The EUT without antenna connector.

Test Date:	2025-12-05	**Tested By**:	Li Xiongbin
Test Mode:	TX DH5 2402MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE ABelow 1G BT\7		
Memo:	Sample Number:S25111416-006		

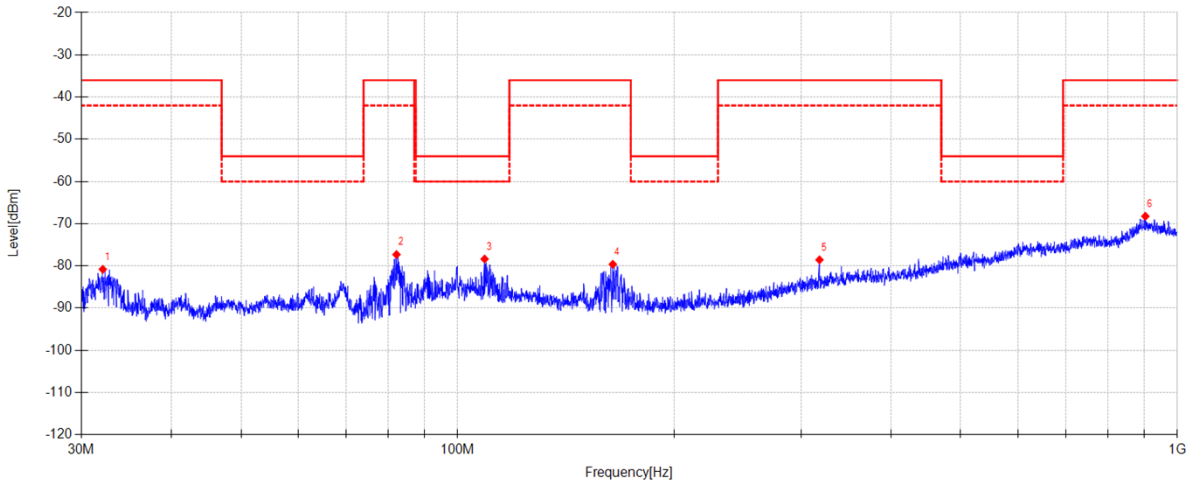


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	31.977	33.20	-113.92	-80.72	-36.00	44.72	PK	Horizontal	ERP
2	38.264	30.52	-112.72	-82.20	-36.00	46.20	PK	Horizontal	ERP
3	54.369	29.72	-112.20	-82.48	-54.00	28.48	PK	Horizontal	ERP
4	112.258	31.73	-116.96	-85.23	-54.00	31.23	PK	Horizontal	ERP
5	158.060	33.66	-118.85	-85.19	-36.00	49.19	PK	Horizontal	ERP
6	954.108	27.96	-98.89	-70.93	-36.00	34.93	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:	2025-12-05	**Tested By**:	Li Xiongbin
Test Mode:	TX DH5 2402MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE ABelow 1G BT\8		
Memo:	Sample Number:S25111416-006		

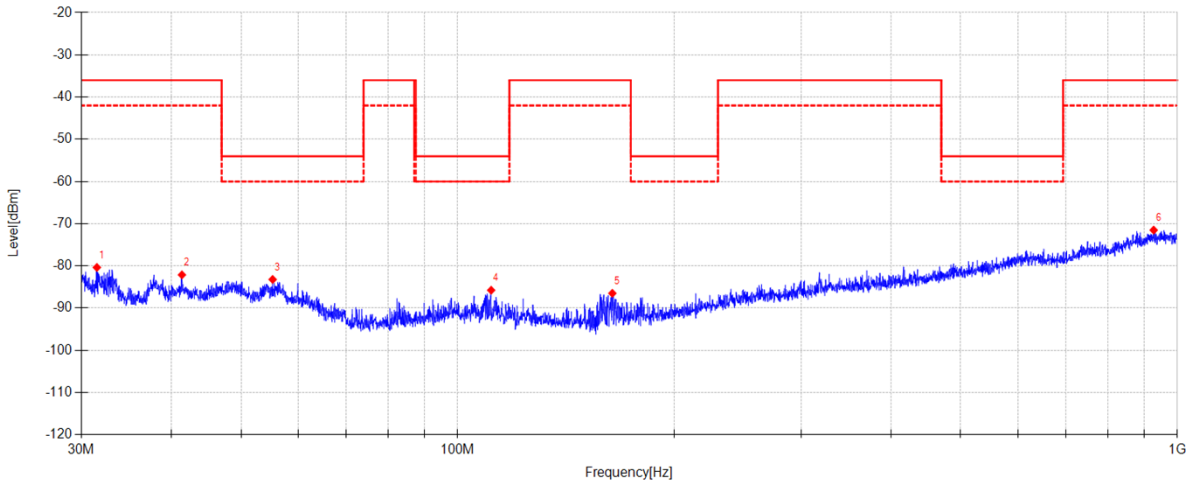


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	32.134	36.84	-117.64	-80.80	-36.00	44.80	PK	Vertical	ERP
2	82.227	39.27	-116.57	-77.30	-36.00	41.30	PK	Vertical	ERP
3	109.001	33.50	-111.86	-78.36	-54.00	24.36	PK	Vertical	ERP
4	164.274	35.09	-114.70	-79.61	-36.00	43.61	PK	Vertical	ERP
5	318.220	30.87	-109.42	-78.55	-36.00	42.55	PK	Vertical	ERP
6	902.695	28.31	-96.55	-68.24	-36.00	32.24	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:	2025-12-05	**Tested By**:	Li Xiongbin
Test Mode:	TX DH5 2480MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE ABelow 1G BT\5		
Memo:	Sample Number:S25111416-006		

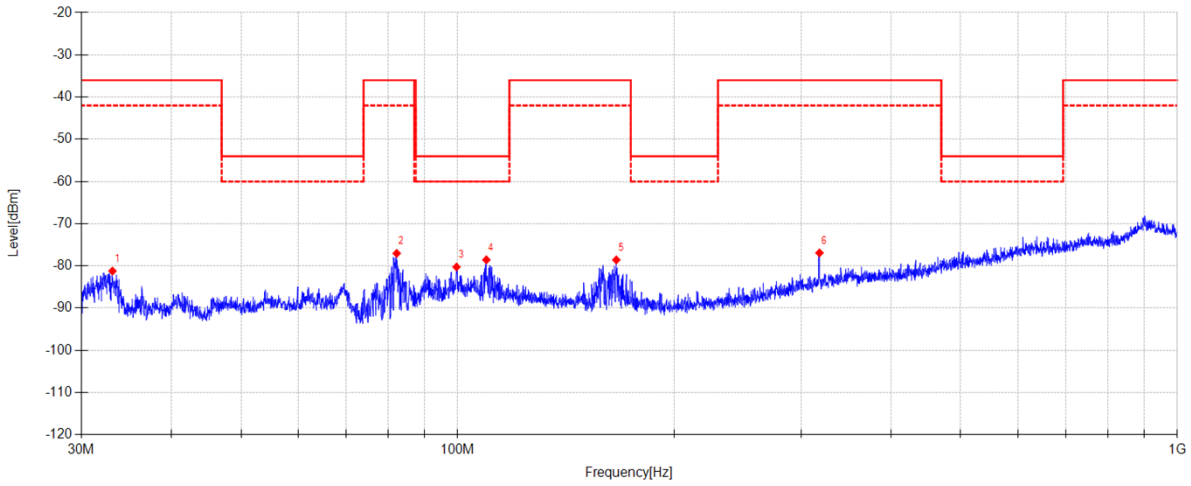


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	31.531	33.65	-114.01	-80.36	-36.00	44.36	PK	Horizontal	ERP
2	41.390	30.10	-112.21	-82.11	-36.00	46.11	PK	Horizontal	ERP
3	55.330	29.22	-112.43	-83.21	-54.00	29.21	PK	Horizontal	ERP
4	111.318	31.15	-116.90	-85.75	-54.00	31.75	PK	Horizontal	ERP
5	164.044	32.01	-118.49	-86.48	-36.00	50.48	PK	Horizontal	ERP
6	927.070	27.98	-99.49	-71.51	-36.00	35.51	PK	Horizontal	ERP

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

Test Date:	2025-12-05	**Tested By**:	Li Xiongbin
Test Mode:	TX DH5 2480MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE ABelow 1G BT\6		
Memo:	Sample Number:S25111416-006		

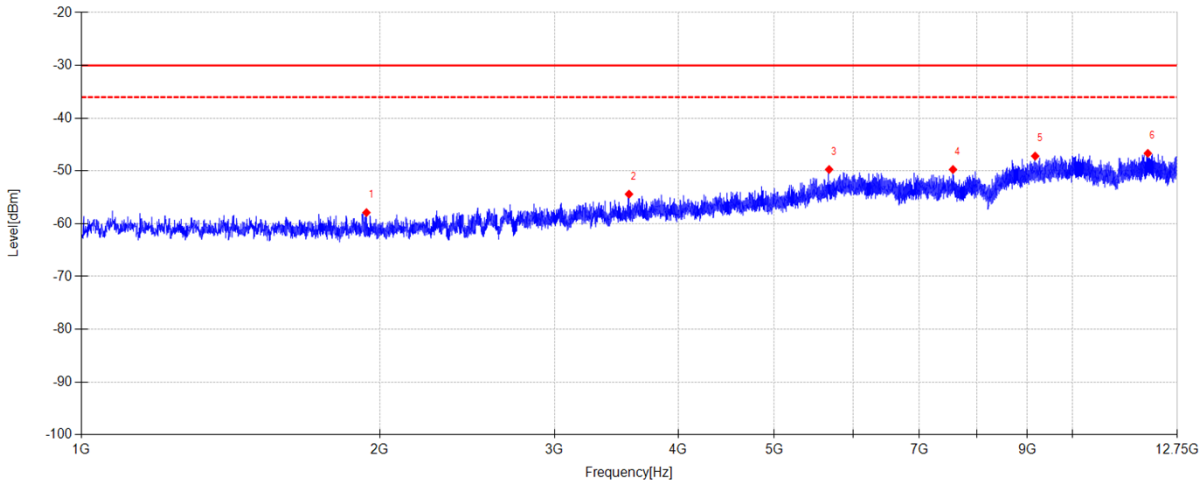


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	33.141	36.32	-117.53	-81.21	-36.00	45.21	PK	Vertical	ERP
2	82.285	39.53	-116.55	-77.02	-36.00	41.02	PK	Vertical	ERP
3	99.644	31.04	-111.28	-80.24	-54.00	26.24	PK	Vertical	ERP
4	109.614	33.35	-111.89	-78.54	-54.00	24.54	PK	Vertical	ERP
5	166.128	36.14	-114.71	-78.57	-36.00	42.57	PK	Vertical	ERP
6	318.220	32.51	-109.42	-76.91	-36.00	40.91	PK	Vertical	ERP

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

Test Date:	2025-12-04	**Tested By**:	Li Xiongbin
Test Mode:	TX DH5 2402MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE Above 1G BT\1		
Memo:	Sample Number:S25111416-006 Power Setting:10		

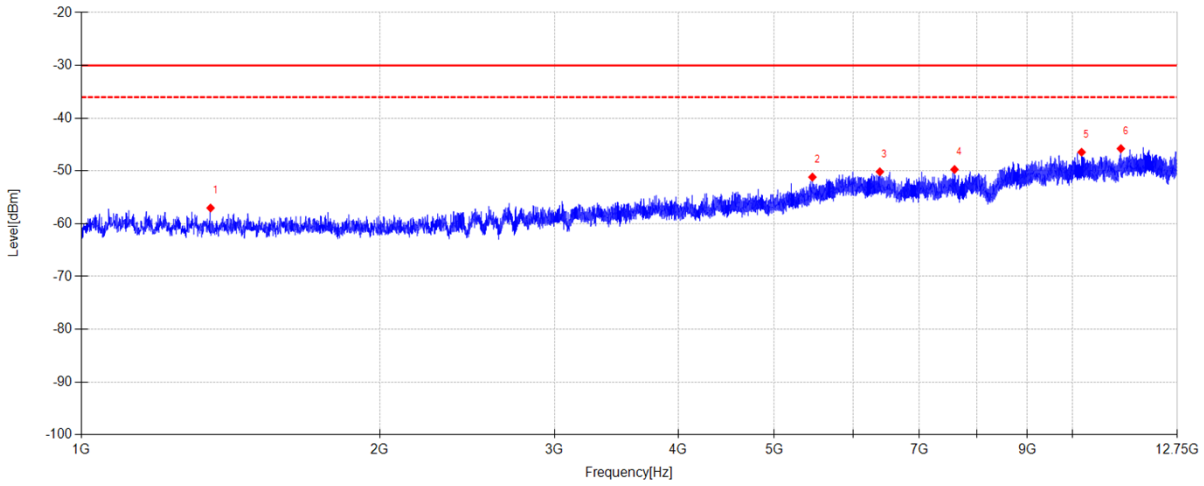


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1939.021	46.80	-104.69	-57.89	**-30.00**	27.89	PK	Horizontal	EIRP
2	3567.865	47.39	-101.79	-54.40	**-30.00**	24.40	PK	Horizontal	EIRP
3	5678.948	45.75	-95.47	-49.72	**-30.00**	19.72	PK	Horizontal	EIRP
4	7571.677	44.25	-93.97	-49.72	**-30.00**	19.72	PK	Horizontal	EIRP
5	9164.292	42.37	-89.56	-47.19	**-30.00**	17.19	PK	Horizontal	EIRP
6	11905.469	41.87	-88.53	-46.66	**-30.00**	16.66	PK	Horizontal	EIRP

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

Test Date:	2025-12-04	**Tested By**:	Li Xiongbin
Test Mode:	TX DH5 2402MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE Above 1G BT\2		
Memo:	Sample Number:S25111416-006 Power Setting:10		

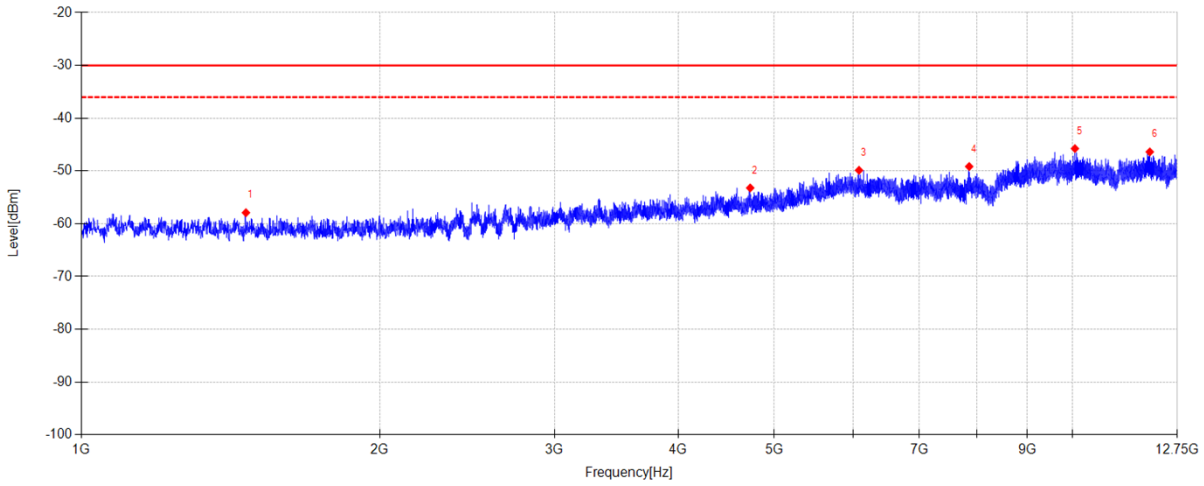


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1350.052	47.17	-104.19	-57.02	**-30.00**	27.02	PK	Vertical	EIRP
2	5463.042	45.47	-96.64	-51.17	**-30.00**	21.17	PK	Vertical	EIRP
3	6389.333	44.23	-94.38	-50.15	**-30.00**	20.15	PK	Vertical	EIRP
4	7599.094	44.04	-93.76	-49.72	**-30.00**	19.72	PK	Vertical	EIRP
5	10208.083	42.80	-89.25	-46.45	**-30.00**	16.45	PK	Vertical	EIRP
6	11182.354	42.25	-88.02	-45.77	**-30.00**	15.77	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:	2025-12-04	**Tested By**:	Li Xiongbin
Test Mode:	TX DH5 2480MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE Above 1G BT\3		
Memo:	Sample Number:S25111416-006 Power Setting:10		



Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1465.594	46.66	-104.57	-57.91	**-30.00**	27.91	PK	Horizontal	EIRP
2	4727.688	45.87	-99.09	-53.22	**-30.00**	23.22	PK	Horizontal	EIRP
3	6087.750	44.29	-94.16	-49.87	**-30.00**	19.87	PK	Horizontal	EIRP
4	7862.000	44.45	-93.61	-49.16	**-30.00**	19.16	PK	Horizontal	EIRP
5	10050.927	43.31	-89.07	-45.76	**-30.00**	15.76	PK	Horizontal	EIRP
6	11959.323	42.09	-88.48	-46.39	**-30.00**	16.39	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.

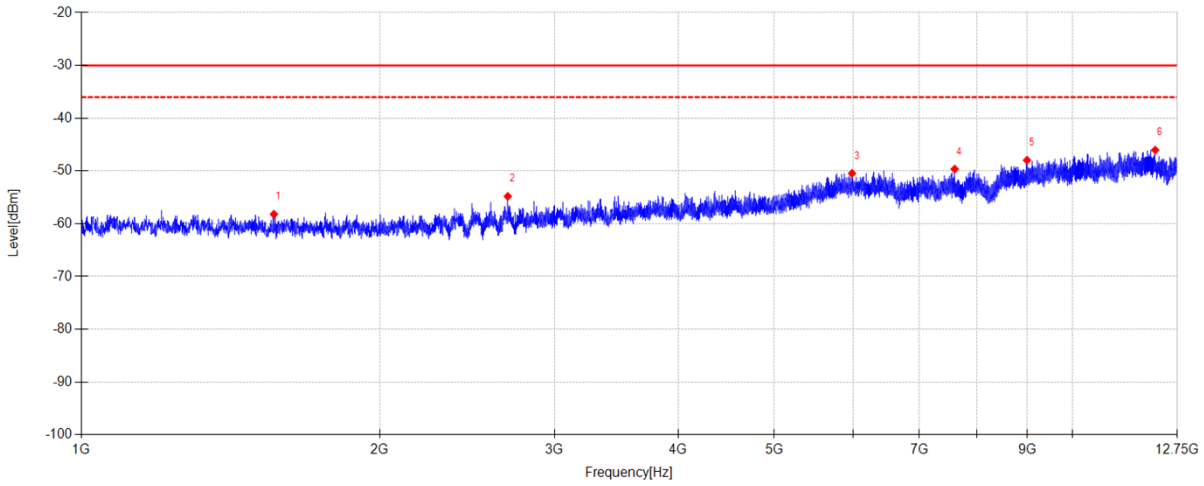
Test Date: 2025-12-04 **Tested By**: Li Xiongbin

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

Condition: Temp:22.9°C;Humi:45.9% **Test Site**: DDT 3# Chamber

File Path: d:\ts\2025 report date\Q25111416-2E\CE Above 1G BT\4

Memo: Sample Number:S25111416-006 Power Setting:10



Suspected Data List

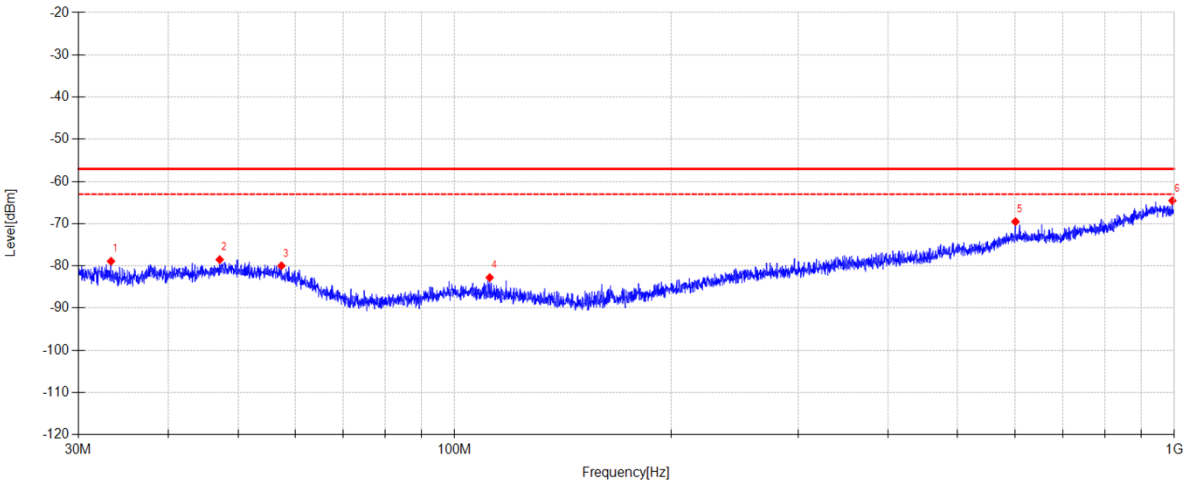
NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1564.000	46.08	-104.28	-58.20	**-30.00**	28.20	PK	Vertical	EIRP
2	2692.490	48.38	-103.19	-54.81	**-30.00**	24.81	PK	Vertical	EIRP
3	5989.833	43.66	-94.12	-50.46	**-30.00**	20.46	PK	Vertical	EIRP
4	7601.052	44.10	-93.75	-49.65	**-30.00**	19.65	PK	Vertical	EIRP
5	8991.469	42.07	-90.03	-47.96	**-30.00**	17.96	PK	Vertical	EIRP
6	12111.094	41.89	-87.93	-46.04	**-30.00**	16.04	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:	2025-12-05	**Tested By**:	Li Xiongbin
Test Mode:	RX DH5 2402MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE ABelow 1G BT\1		
Memo:	Sample Number:S25111416-006		

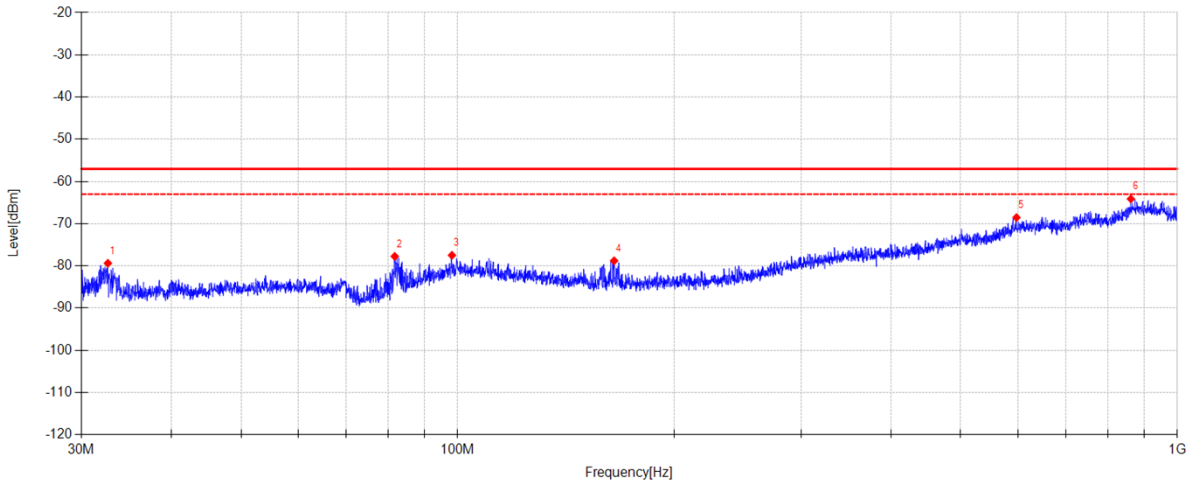


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	33.304	34.78	-113.67	-78.89	-57.00	21.89	PK	Horizontal	ERP
2	47.156	32.97	-111.48	-78.51	-57.00	21.51	PK	Horizontal	ERP
3	57.465	32.99	-112.95	-79.96	-57.00	22.96	PK	Horizontal	ERP
4	111.865	34.18	-116.94	-82.76	-57.00	25.76	PK	Horizontal	ERP
5	601.488	35.33	-104.84	-69.51	-57.00	12.51	PK	Horizontal	ERP
6	993.709	35.04	-99.59	-64.55	-57.00	7.55	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:	2025-12-05	**Tested By**:	Li Xiongbin
Test Mode:	RX DH5 2402MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE ABelow 1G BT\2		
Memo:	Sample Number:S25111416-006		

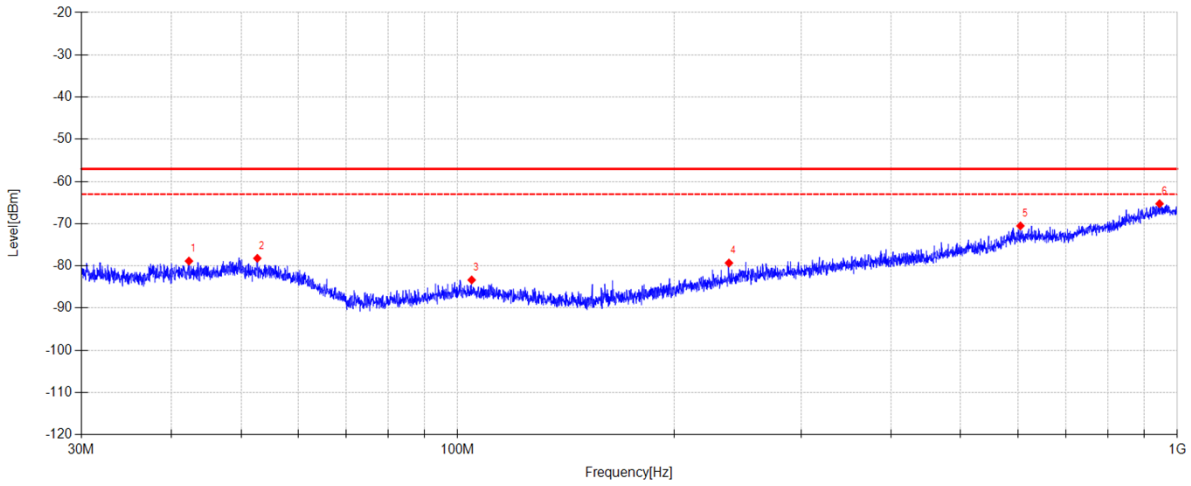


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	32.656	38.21	-117.58	-79.37	-57.00	22.37	PK	Vertical	ERP
2	81.767	39.04	-116.78	-77.74	-57.00	20.74	PK	Vertical	ERP
3	98.187	34.08	-111.56	-77.48	-57.00	20.48	PK	Vertical	ERP
4	164.967	35.91	-114.70	-78.79	-57.00	21.79	PK	Vertical	ERP
5	597.704	34.29	-102.83	-68.54	-57.00	11.54	PK	Vertical	ERP
6	861.872	34.82	-98.94	-64.12	-57.00	7.12	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:	2025-12-05	**Tested By**:	Li Xiongbin
Test Mode:	RX DH5 2480MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE ABelow 1G BT\3		
Memo:	Sample Number:S25111416-006		

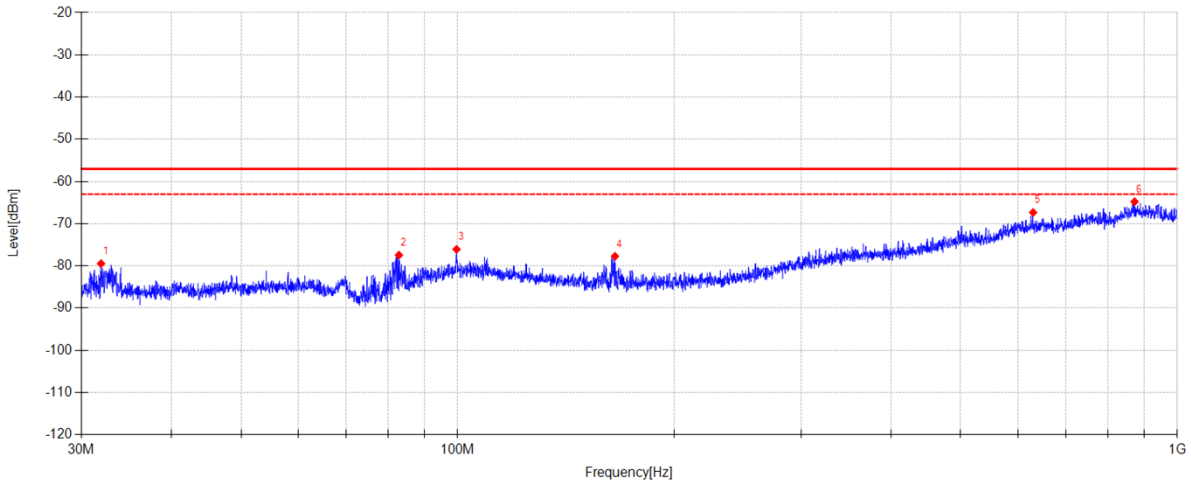


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	42.329	33.25	-112.10	-78.85	-57.00	21.85	PK	Horizontal	ERP
2	52.680	33.59	-111.78	-78.19	-57.00	21.19	PK	Horizontal	ERP
3	104.583	33.14	-116.47	-83.33	-57.00	26.33	PK	Horizontal	ERP
4	238.211	34.34	-113.65	-79.31	-57.00	22.31	PK	Horizontal	ERP
5	605.295	34.31	-104.82	-70.51	-57.00	13.51	PK	Horizontal	ERP
6	944.788	33.70	-98.97	-65.27	-57.00	8.27	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:	2025-12-05	**Tested By**:	Li Xiongbin
Test Mode:	RX DH5 2480MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE ABelow 1G BT\4		
Memo:	Sample Number:S25111416-006		

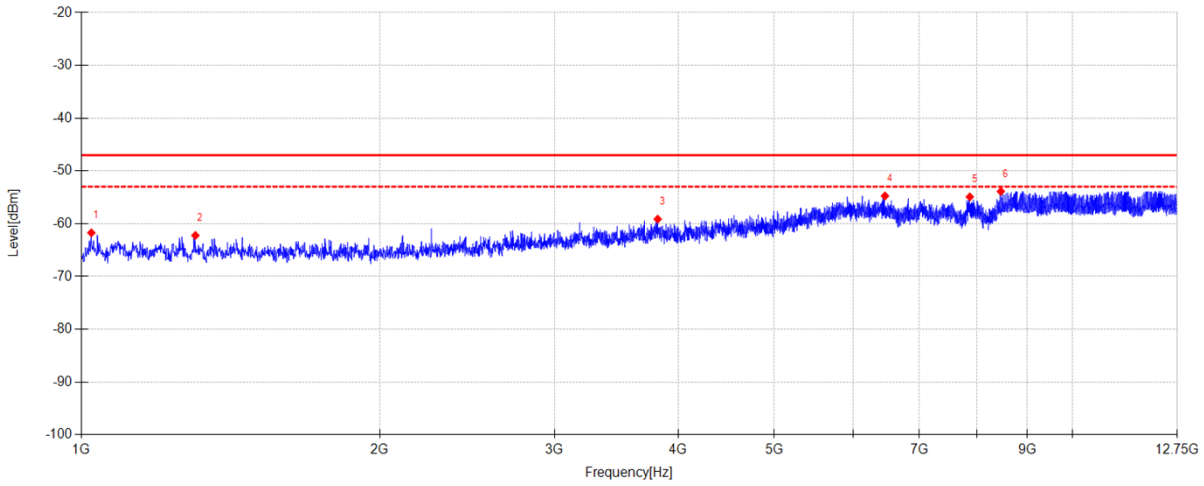


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	31.954	38.19	-117.65	-79.46	-57.00	22.46	PK	Vertical	ERP
2	82.863	38.84	-116.28	-77.44	-57.00	20.44	PK	Vertical	ERP
3	99.644	35.22	-111.28	-76.06	-57.00	19.06	PK	Vertical	ERP
4	165.430	36.99	-114.71	-77.72	-57.00	20.72	PK	Vertical	ERP
5	630.419	35.03	-102.36	-67.33	-57.00	10.33	PK	Vertical	ERP
6	872.207	33.52	-98.29	-64.77	-57.00	7.77	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:	2025-12-05	**Tested By**:	Li Xiongbin
Test Mode:	RX DH5 2402MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE Above 1G BT\5		
Memo:	Sample Number:S25111416-006		

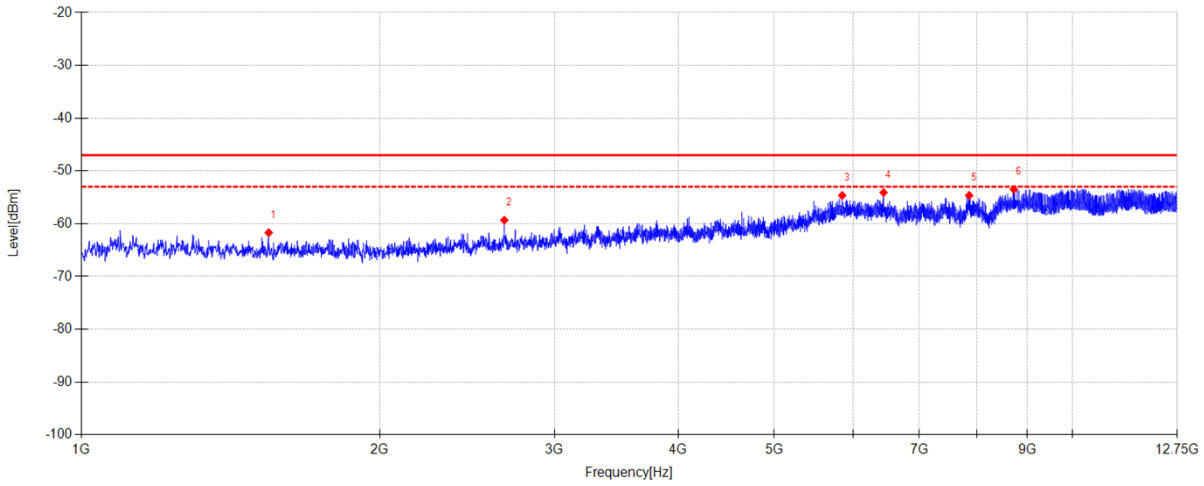


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1023.500	42.73	-104.45	-61.72	**-47.00**	14.72	RMS	Horizontal	EIRP
2	1303.150	42.30	-104.52	-62.22	**-47.00**	15.22	RMS	Horizontal	EIRP
3	3814.125	42.26	-101.39	-59.13	**-47.00**	12.13	RMS	Horizontal	EIRP
4	6466.100	39.64	-94.38	-54.74	**-47.00**	7.74	RMS	Horizontal	EIRP
5	7873.750	38.68	-93.59	-54.91	**-47.00**	7.91	RMS	Horizontal	EIRP
6	8462.425	37.83	-91.70	-53.87	**-47.00**	6.87	RMS	Horizontal	EIRP

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

Test Date:	2025-12-05	**Tested By**:	Li Xiongbin
Test Mode:	RX DH5 2402MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE Above 1G BT\6		
Memo:	Sample Number:S25111416-006		

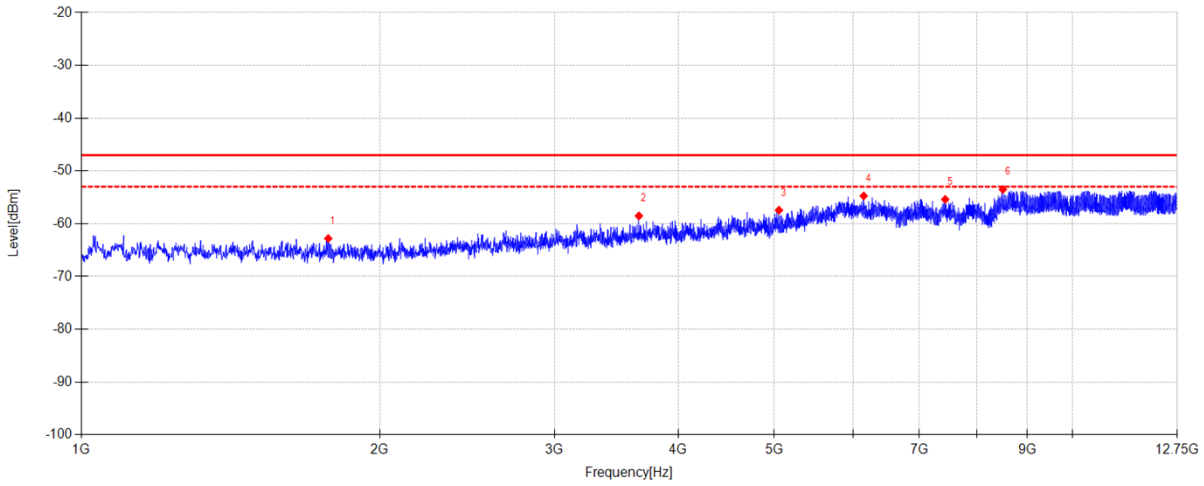


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1545.200	42.56	-104.26	-61.70	**-47.00**	14.70	RMS	Vertical	EIRP
2	2670.850	43.90	-103.23	-59.33	**-47.00**	12.33	RMS	Vertical	EIRP
3	5853.925	40.12	-94.77	-54.65	**-47.00**	7.65	RMS	Vertical	EIRP
4	6444.950	40.32	-94.41	-54.09	**-47.00**	7.09	RMS	Vertical	EIRP
5	7862.000	38.64	-93.28	-54.64	**-47.00**	7.64	RMS	Vertical	EIRP
6	8722.100	37.35	-90.84	-53.49	**-47.00**	6.49	RMS	Vertical	EIRP

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

Test Date:	2025-12-05	**Tested By**:	Li Xiongbin
Test Mode:	RX DH5 2480MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE Above 1G BT\7		
Memo:	Sample Number:S25111416-006		

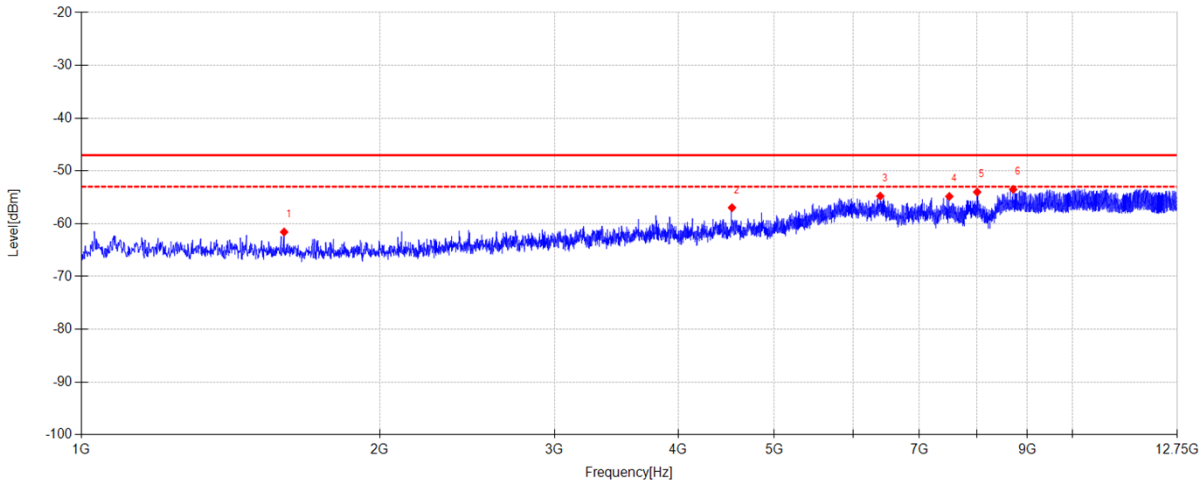


Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1774.325	41.84	-104.64	-62.80	**-47.00**	15.80	RMS	Horizontal	EIRP
2	3650.800	43.13	-101.65	-58.52	**-47.00**	11.52	RMS	Horizontal	EIRP
3	5053.750	40.67	-98.11	-57.44	**-47.00**	10.44	RMS	Horizontal	EIRP
4	6154.725	39.47	-94.20	-54.73	**-47.00**	7.73	RMS	Horizontal	EIRP
5	7435.475	38.76	-94.15	-55.39	**-47.00**	8.39	RMS	Horizontal	EIRP
6	8502.375	38.03	-91.54	-53.51	**-47.00**	6.51	RMS	Horizontal	EIRP

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

Test Date:	2025-12-05	**Tested By**:	Li Xiongbin
Test Mode:	RX DH5 2480MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE Above 1G BT\8		
Memo:	Sample Number:S25111416-006		



Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1601.600	42.71	-104.28	-61.57	**-47.00**	14.57	RMS	Vertical	EIRP
2	4532.050	42.95	-99.91	-56.96	**-47.00**	9.96	RMS	Vertical	EIRP
3	6395.600	39.60	-94.38	-54.78	**-47.00**	7.78	RMS	Vertical	EIRP
4	7508.325	39.09	-93.92	-54.83	**-47.00**	7.83	RMS	Vertical	EIRP
5	8008.875	39.00	-93.00	-54.00	**-47.00**	7.00	RMS	Vertical	EIRP
6	8709.175	37.38	-90.88	-53.50	**-47.00**	6.50	RMS	Vertical	EIRP

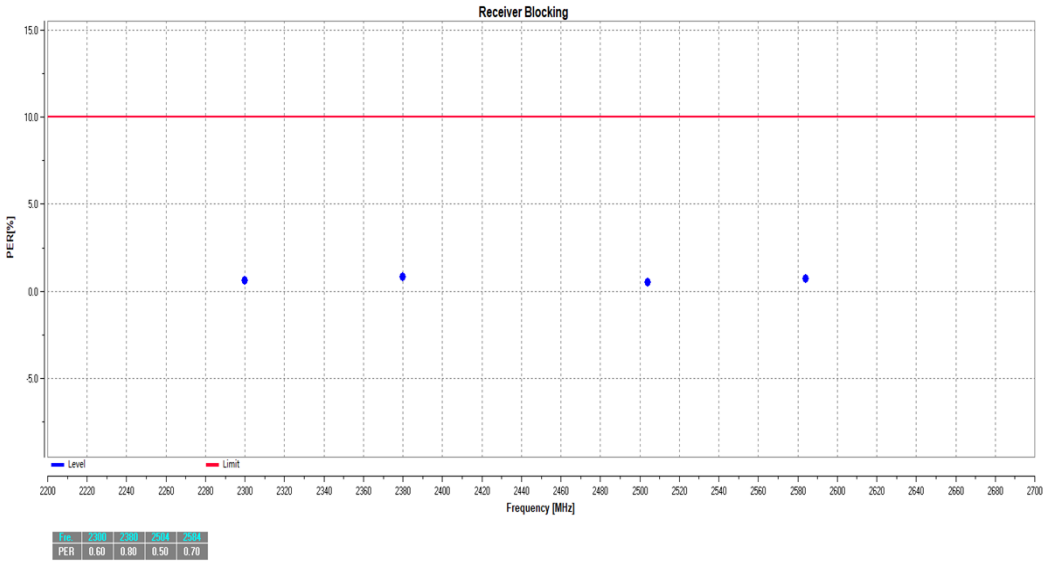
Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

10 Appendix A.10: Receiver Blocking

Note: The EUT is category 2 receiver.

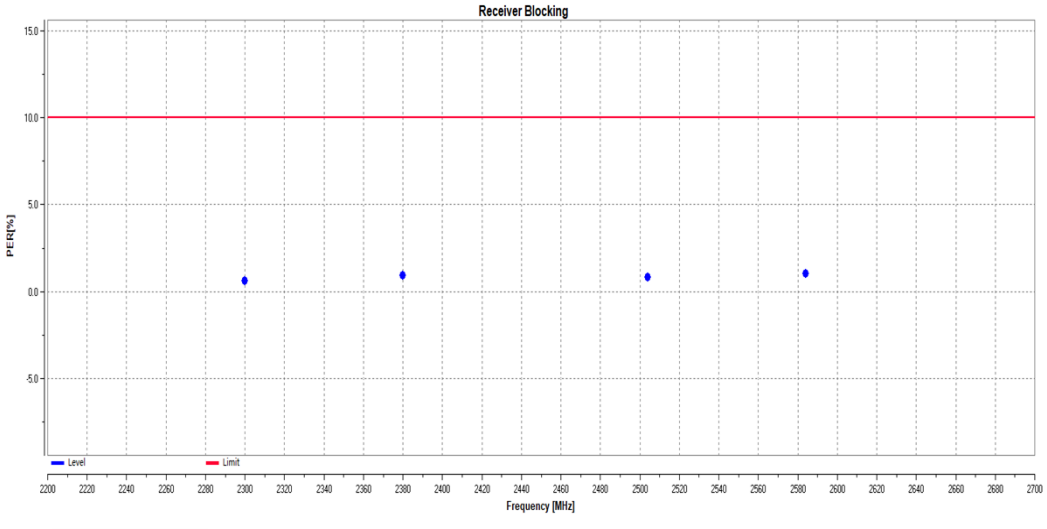
Test Mode	Antenna	Channel	Pmin [dBm]	Wanted signal [dBm]	Freq. [MHz]	CW [dBm]	PER [%]	Limit [%]	Verdict
DH1	Ant1	Hop	---	-66.68	2300	-31.41	0.60	≤10	PASS
			---	-66.68	2380	-31.41	0.80	≤10	PASS
			---	-66.68	2504	-31.41	0.50	≤10	PASS
			---	-66.68	2584	-31.41	0.70	≤10	PASS
2DH1	Ant1	Hop	---	-65.71	2300	-31.41	0.60	≤10	PASS
			---	-65.71	2380	-31.41	0.90	≤10	PASS
			---	-65.71	2504	-31.41	0.80	≤10	PASS
			---	-65.71	2584	-31.41	1.00	≤10	PASS

DH1_Ant1_Hop



Fre.	2300	2380	2504	2584
PER	0.60	0.80	0.50	0.70

2DH1_Ant1_Hop



Fre.	2300	2380	2504	2584
PER	0.60	0.90	0.80	1.00

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 isotopically radiated power (EIRP) during a transmission burst.
Only the worst case for all test modes reported.

Test Condition	Test Mode	Antenna	Frequency [MHz]	Burst Power [dBm]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
NTNV	BLE_1M	Ant1	2402	4.15	6.74	20	PASS
			2440	4.23	6.82	20	PASS
			2480	3.40	5.99	20	PASS
	BLE_2M	Ant1	2404	4.22	6.81	20	PASS
			2440	4.33	6.92	20	PASS
			2478	3.70	6.29	20	PASS
LTNV	BLE_1M	Ant1	2402	4.16	6.75	20	PASS
			2440	4.23	6.82	20	PASS
			2480	3.38	5.97	20	PASS
	BLE_2M	Ant1	2404	4.23	6.82	20	PASS
			2440	4.35	6.94	20	PASS
			2478	3.67	6.26	20	PASS
HTNV	BLE_1M	Ant1	2402	4.16	6.75	20	PASS
			2440	4.25	6.84	20	PASS
			2480	3.38	5.97	20	PASS
	BLE_2M	Ant1	2404	4.23	6.82	20	PASS
			2440	4.35	6.94	20	PASS
			2478	3.67	6.26	20	PASS

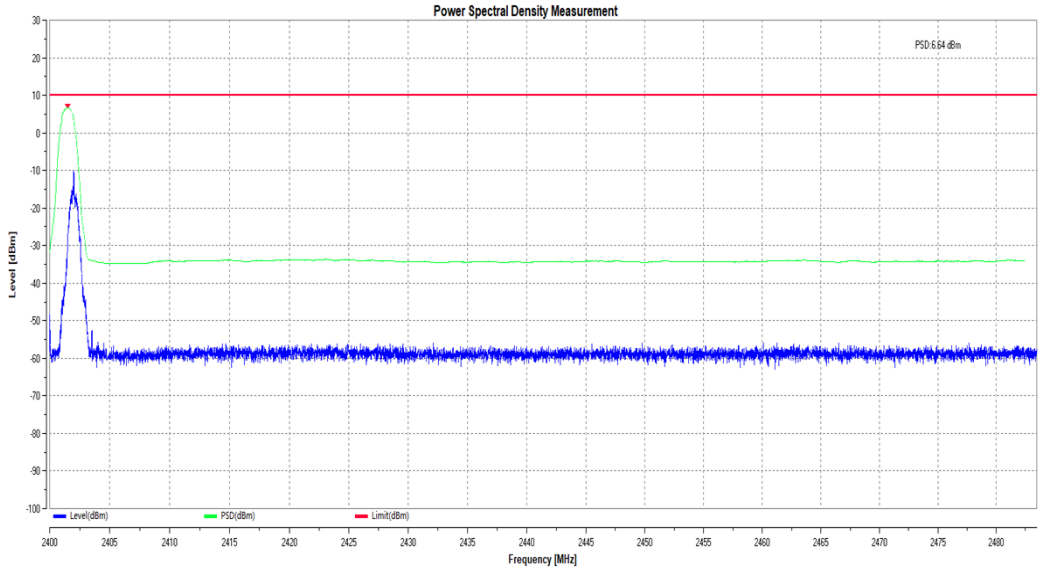
Note: EIRP = Measured Highest Pburst Values + Antenna Gain

2 Appendix B.2: Power density

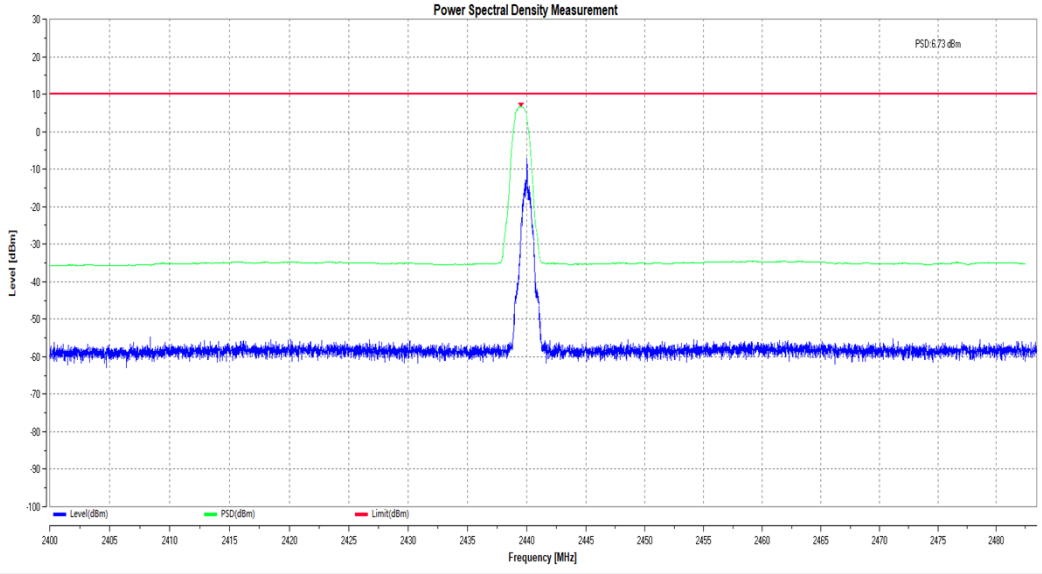
The power density is the mean Equivalent Isotropically Radiated Power (EIRP) density during a transmission burst. Only the worst case for all test modes reported.

Test Mode	Antenna	Frequency [MHz]	EIRP PSD [dBm/MHz]	Limit [dBm/MHz]	Verdict
BLE_1M	Ant1	2402	6.64	10	PASS
		2440	6.73	10	PASS
		2480	5.90	10	PASS
BLE_2M	Ant1	2404	5.85	10	PASS
		2440	5.98	10	PASS
		2478	5.34	10	PASS

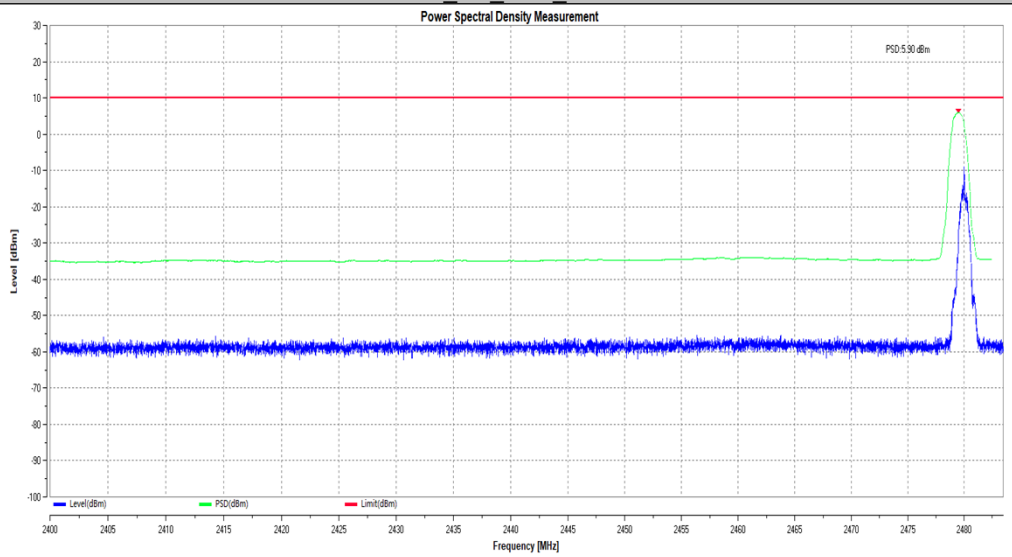
BLE_1M_Ant1_2402



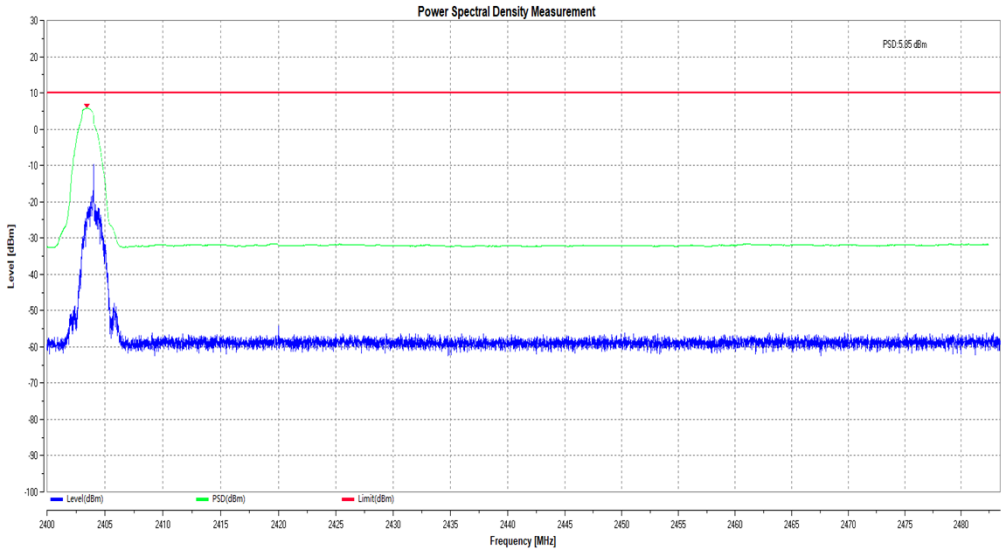
BLE_1M_Ant1_2440



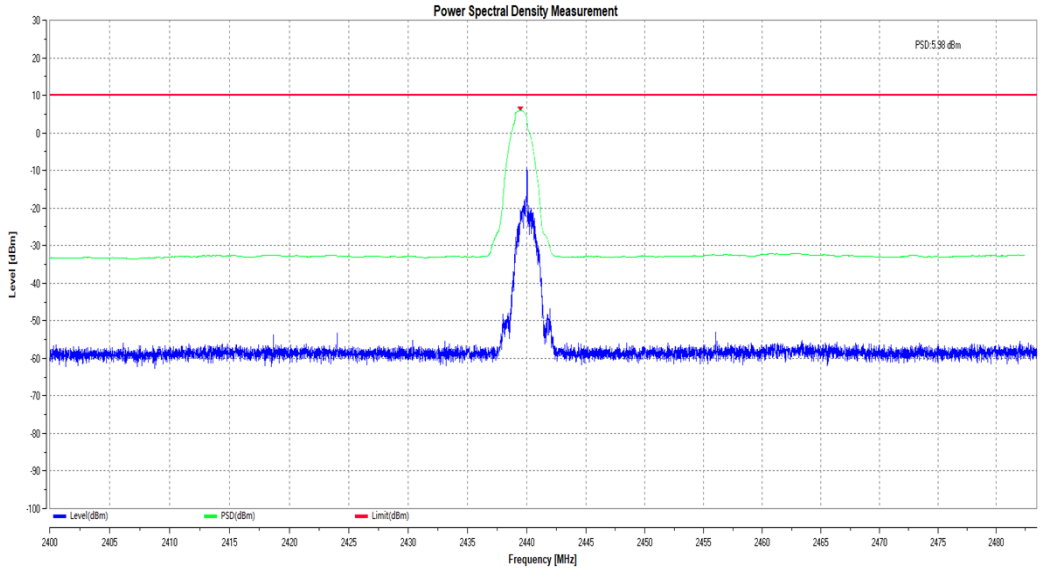
BLE_1M_Ant1_2480



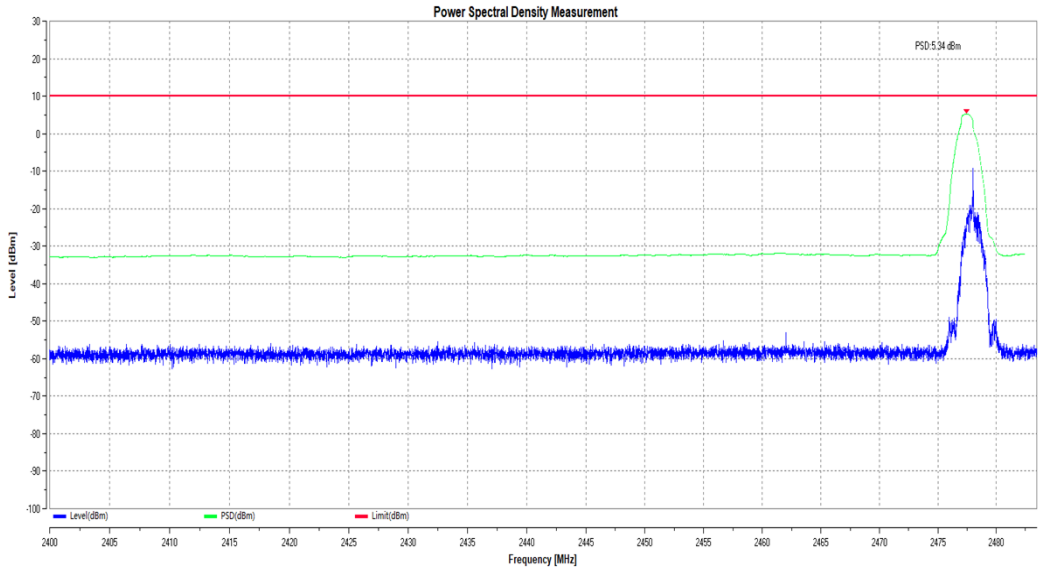
BLE_2M_Ant1_2404



BLE_2M_Ant1_2440



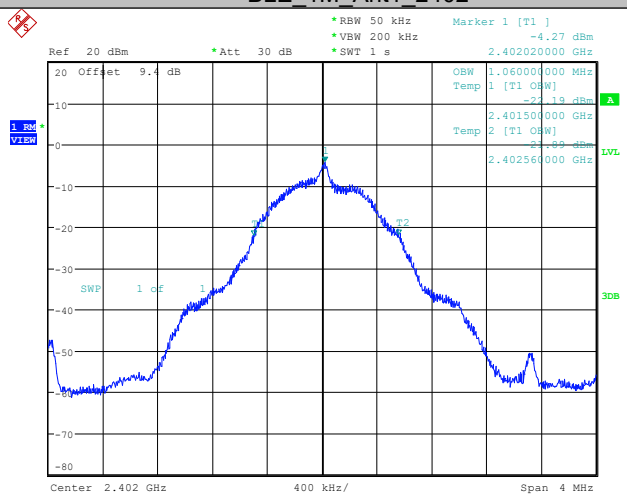
BLE_2M_Ant1_2478



3 Appendix B.3 : Occupied Channel Bandwidth

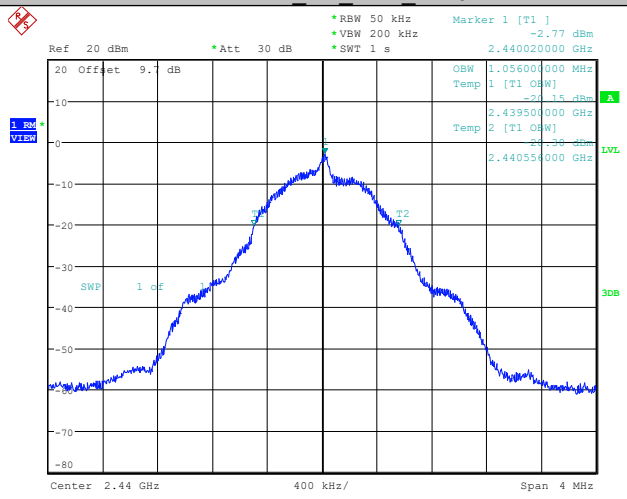
Test Mode	Antenna	Frequency [MHz]	OCB[MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
BLE_1M	Ant1	2402	1.0600	2401.5000	2402.5600	2400 to 2483.5	PASS
		2440	1.0560	2439.5000	2440.5560	2400 to 2483.5	PASS
		2480	1.0480	2479.5040	2480.5520	2400 to 2483.5	PASS
BLE_2M	Ant1	2404	2.0320	2403.0280	2405.0600	2400 to 2483.5	PASS
		2440	2.0320	2439.0200	2441.0520	2400 to 2483.5	PASS
		2478	2.0240	2477.0240	2479.0480	2400 to 2483.5	PASS

BLE_1M_Ant1_2402



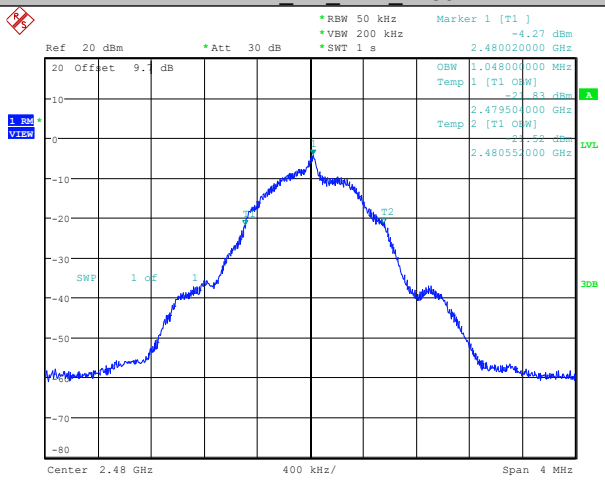
Date: 29.NOV.2025 14:21:22

BLE_1M_Ant1_2440

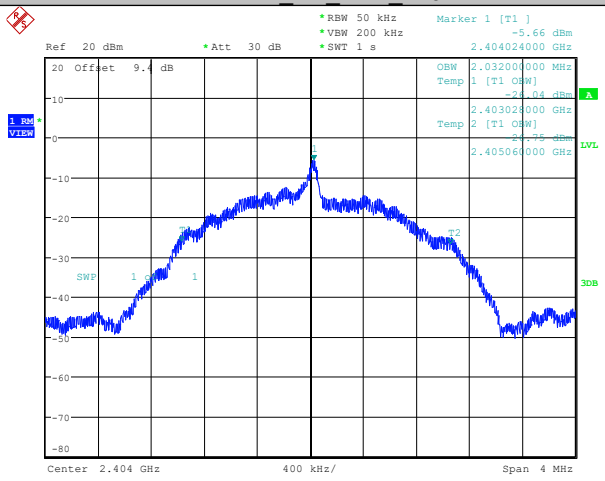


Date: 29.NOV.2025 14:24:16

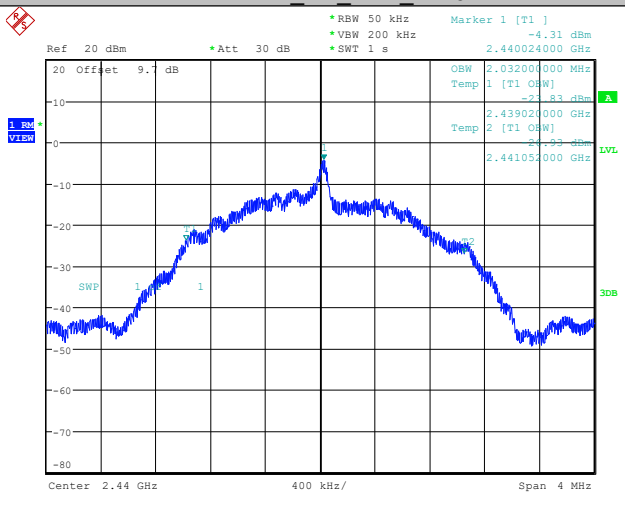
BLE_1M_Ant1_2480



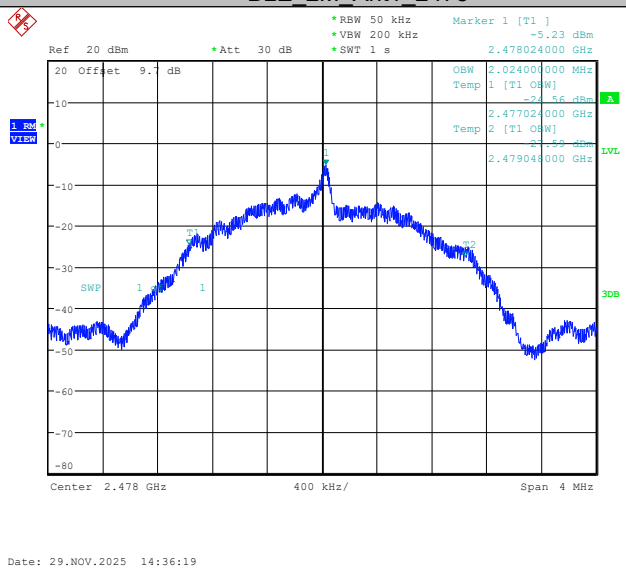
BLE_2M_Ant1_2404



BLE_2M_Ant1_2440



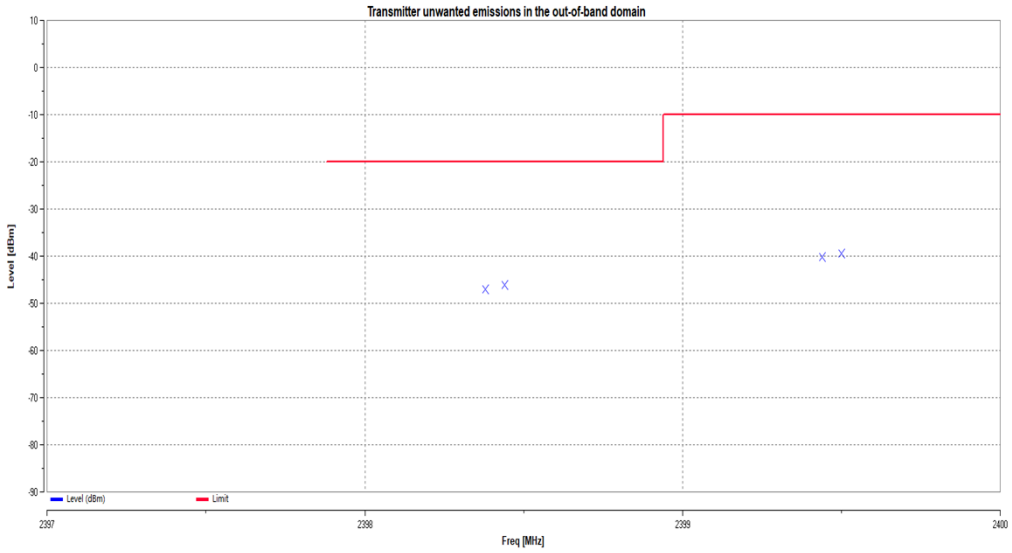
BLE_2M_Ant1_2478



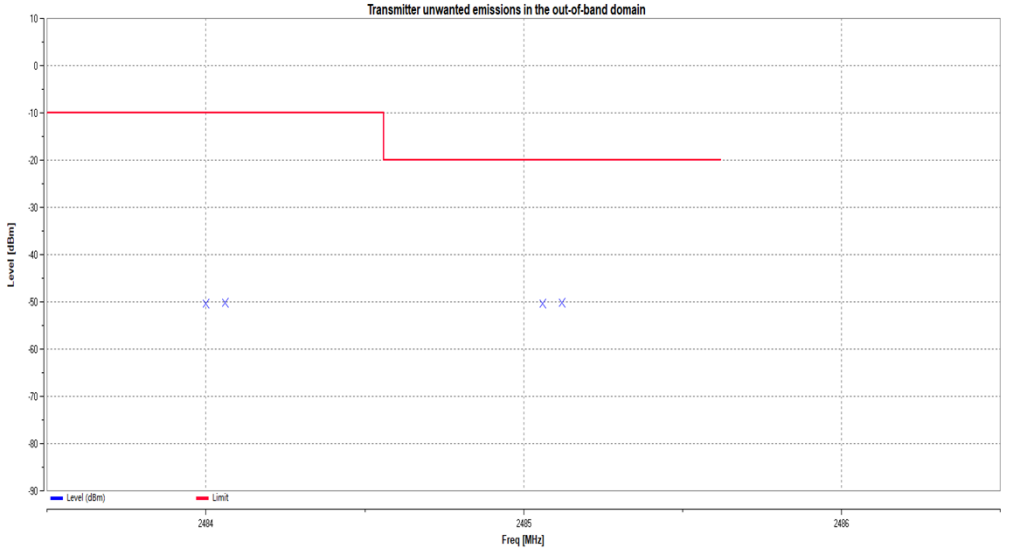
4 Appendix B.4 : Tx unwanted emissions in the out-of-band domain

Test Mode	Antenna	Frequency[MHz]	Freq. [MHz]	Level[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2398.38	-46.97	-20.00	PASS
			2398.44	-46.14	-20.00	PASS
			2399.44	-40.24	-10.00	PASS
			2399.5	-39.39	-10.00	PASS
			2484	-50.42	-10.00	PASS
			2484.06	-50.19	-10.00	PASS
			2485.06	-50.36	-20.00	PASS
			2485.12	-50.22	-20.00	PASS
		2480	2398.404	-51.79	-20.00	PASS
			2398.452	-51.39	-20.00	PASS
			2399.452	-51.94	-10.00	PASS
			2399.5	-51.78	-10.00	PASS
			2484	-47.58	-10.00	PASS
			2484.048	-47.57	-10.00	PASS
			2485.048	-48.07	-20.00	PASS
			2485.096	-48.06	-20.00	PASS
BLE_2M	Ant1	2404	2396.436	-45.05	-20.00	PASS
			2396.468	-45.39	-20.00	PASS
			2397.468	-39.00	-20.00	PASS
			2398.468	-40.49	-10.00	PASS
			2398.5	-41.57	-10.00	PASS
			2399.5	-45.03	-10.00	PASS
			2484	-50.64	-10.00	PASS
			2485	-50.71	-10.00	PASS
			2485.032	-50.68	-10.00	PASS
			2486.032	-50.30	-20.00	PASS
			2487.032	-49.55	-20.00	PASS
			2487.064	-50.62	-20.00	PASS
		2478	2396.452	-51.48	-20.00	PASS
			2396.476	-51.14	-20.00	PASS
			2397.476	-51.69	-20.00	PASS
			2398.476	-51.19	-10.00	PASS
			2398.5	-51.95	-10.00	PASS
			2399.5	-51.57	-10.00	PASS
			2484	-39.01	-10.00	PASS
			2485	-46.38	-10.00	PASS
			2485.024	-46.50	-10.00	PASS
			2486.024	-46.46	-20.00	PASS
			2487.024	-45.39	-20.00	PASS
			2487.048	-45.27	-20.00	PASS

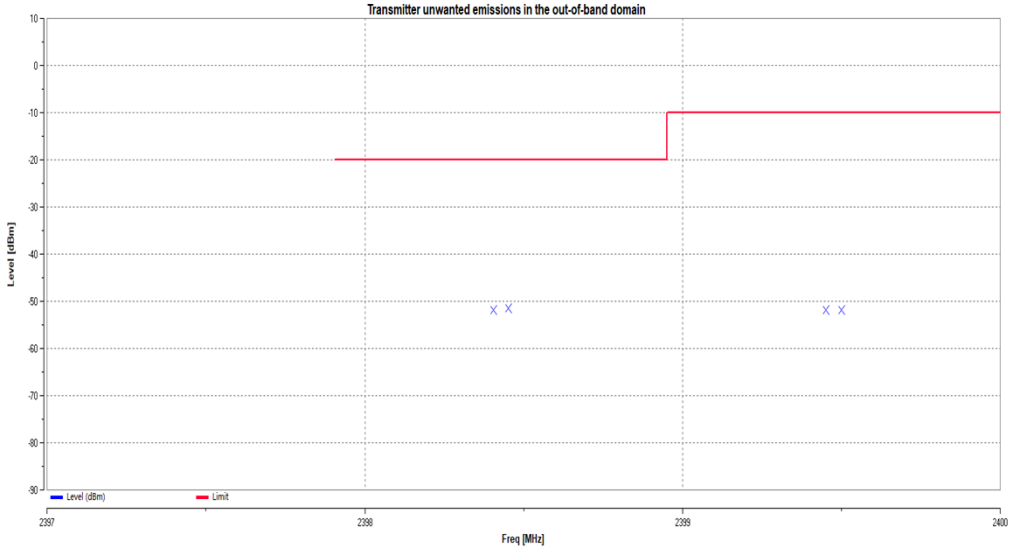
BLE_1M_Ant1_2402_2400MHz-2BW to 2400MHz



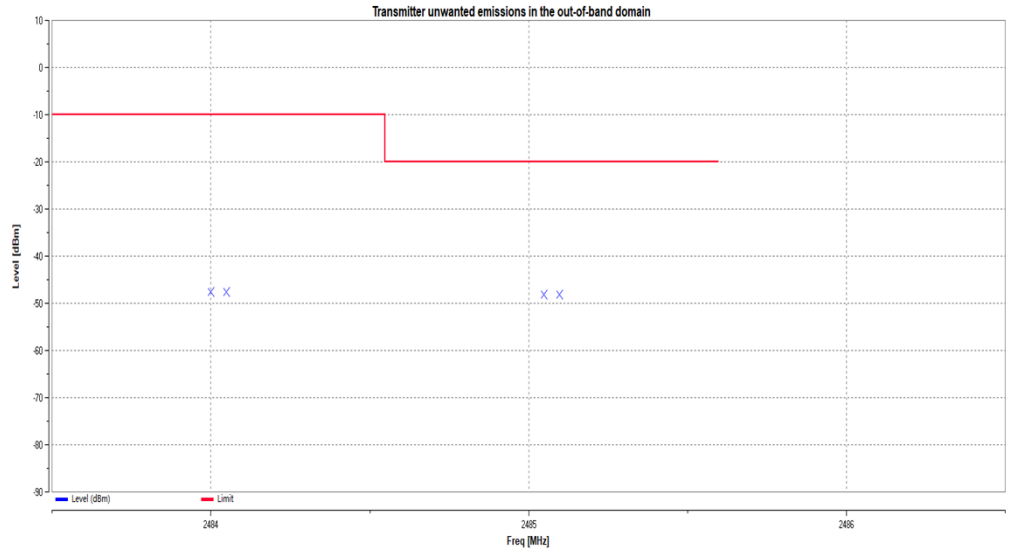
BLE_1M_Ant1_2402_2483.5MHz to 2483.5MHz+2BW



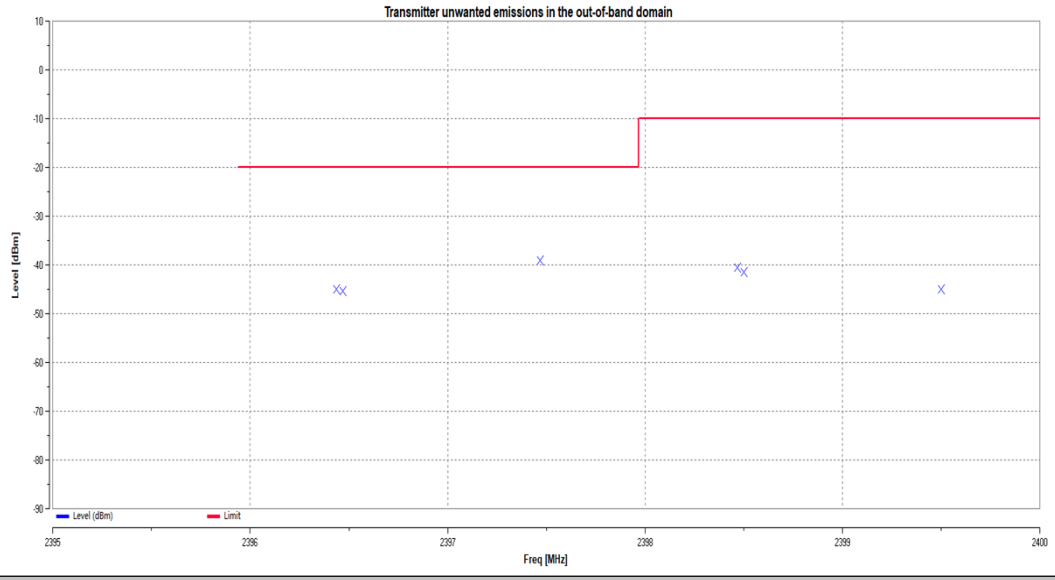
BLE_1M_Ant1_2480_2400MHz-2BW to 2400MHz



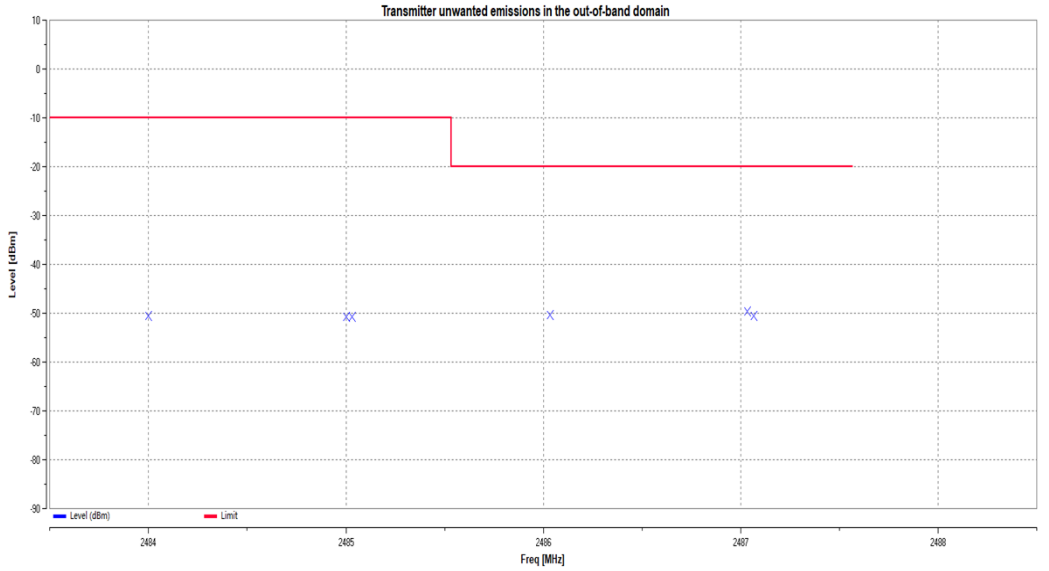
BLE_1M_Ant1_2480_2483.5MHz to 2483.5MHz+2BW



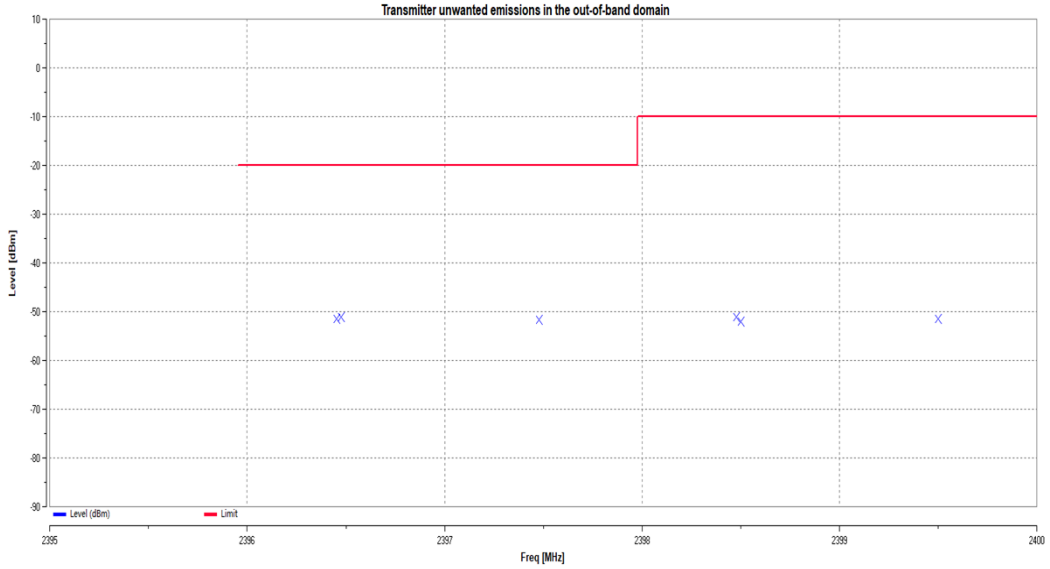
BLE_2M_Ant1_2404_2400MHz-2BW to 2400MHz



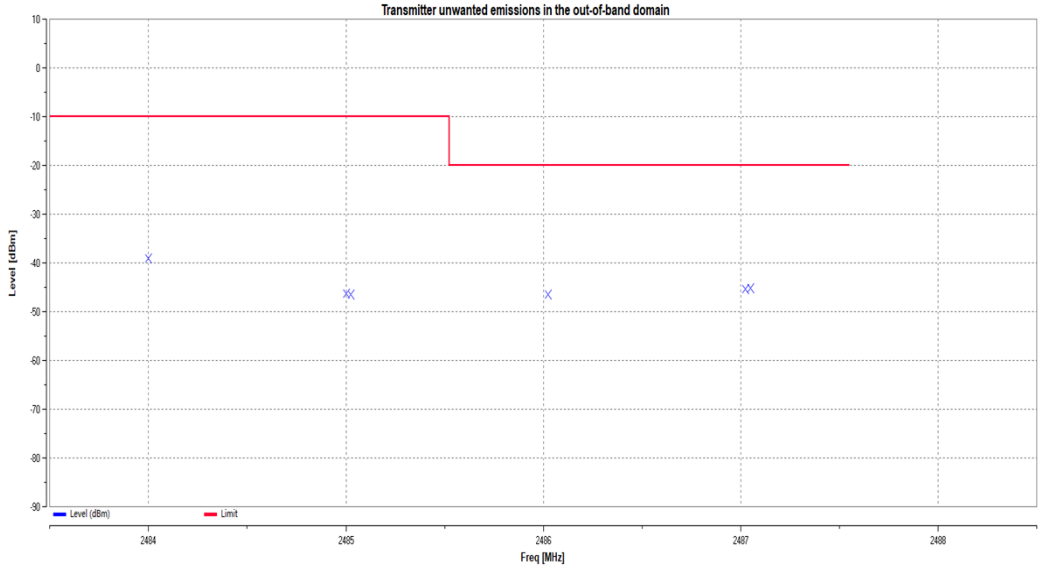
BLE_2M_Ant1_2404_2483.5MHz to 2483.5MHz+2BW



BLE_2M_Ant1_2478_2400MHz-2BW to 2400MHz



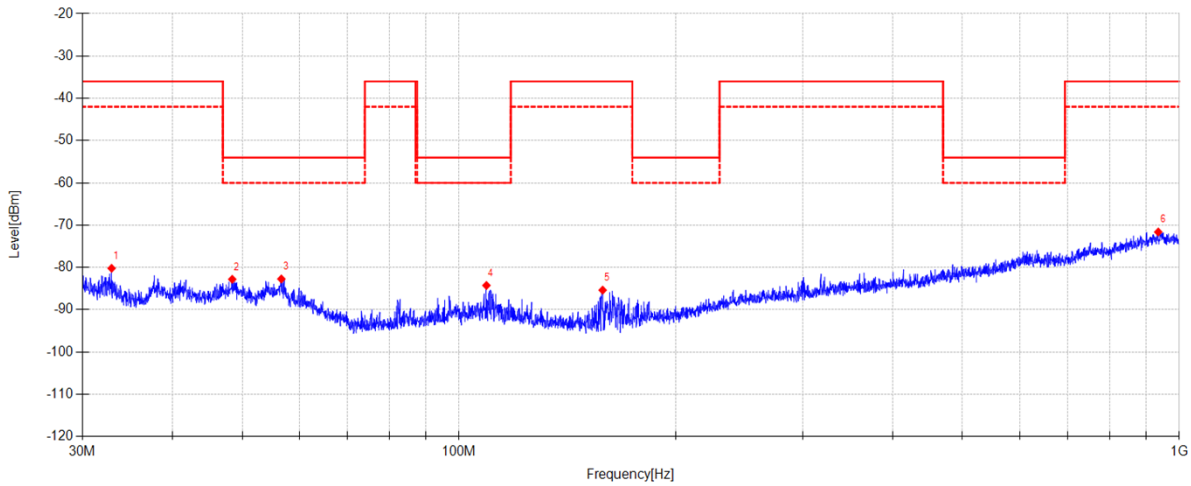
BLE_2M_Ant1_2478_2483.5MHz to 2483.5MHz+2BW



5 Appendix B.5 : Transmitter unwanted emissions

Note: The EUT without antenna connectors.

Test Date:	2025-12-05	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE1M 2402MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE ABelow 1G BLE\13		
Memo:	Sample Number:S25111416-006		



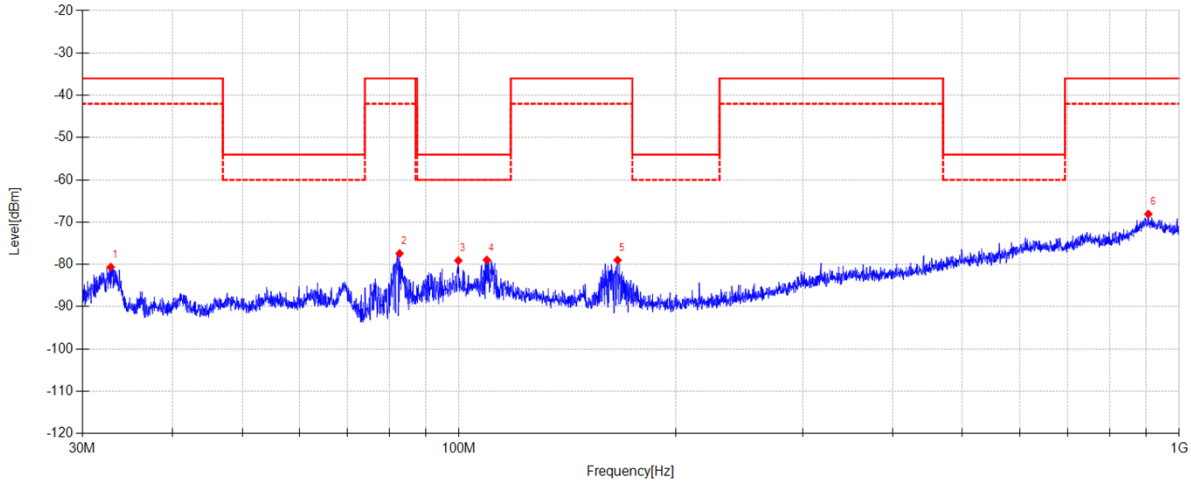
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	32.932	33.54	-113.74	-80.20	-36.00	44.20	PK	Horizontal	ERP
2	48.429	28.52	-111.32	-82.80	-54.00	28.80	PK	Horizontal	ERP
3	56.665	30.04	-112.76	-82.72	-54.00	28.72	PK	Horizontal	ERP
4	109.153	32.51	-116.77	-84.26	-54.00	30.26	PK	Horizontal	ERP
5	158.282	33.47	-118.84	-85.37	-36.00	49.37	PK	Horizontal	ERP
6	934.903	27.64	-99.25	-71.61	-36.00	35.61	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:	2025-12-05	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE1M 2402MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE ABelow 1G BLE\14		
Memo:	Sample Number:S25111416-006		



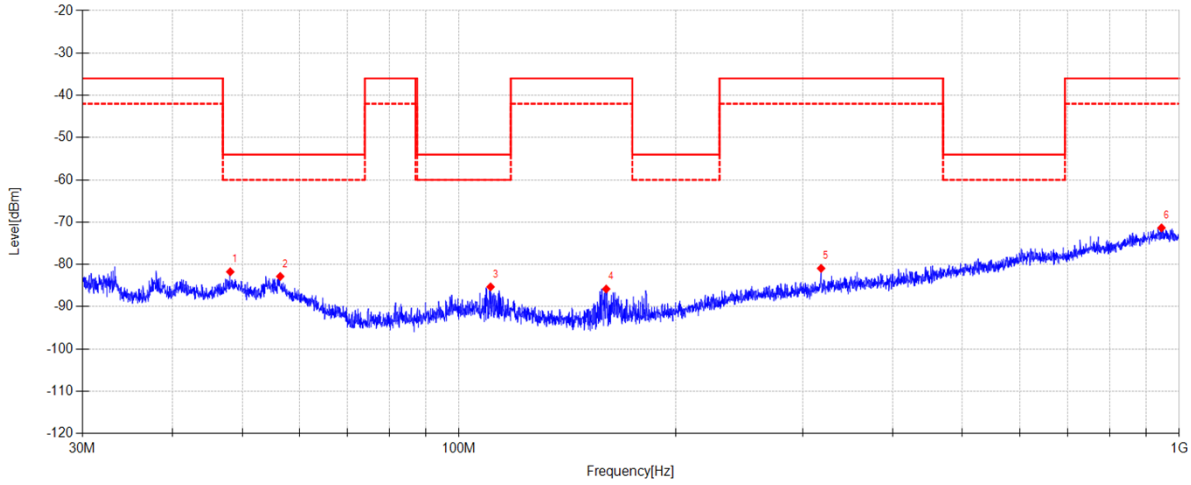
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	32.840	36.93	-117.56	-80.63	-36.00	44.63	PK	Vertical	ERP
2	82.689	38.94	-116.36	-77.42	-36.00	41.42	PK	Vertical	ERP
3	99.784	32.18	-111.26	-79.08	-54.00	25.08	PK	Vertical	ERP
4	109.307	32.93	-111.88	-78.95	-54.00	24.95	PK	Vertical	ERP
5	166.011	35.73	-114.71	-78.98	-36.00	42.98	PK	Vertical	ERP
6	905.865	28.50	-96.60	-68.10	-36.00	32.10	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:	2025-12-05	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE1M 2480MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE ABelow 1G BLE\15		
Memo:	Sample Number:S25111416-006		



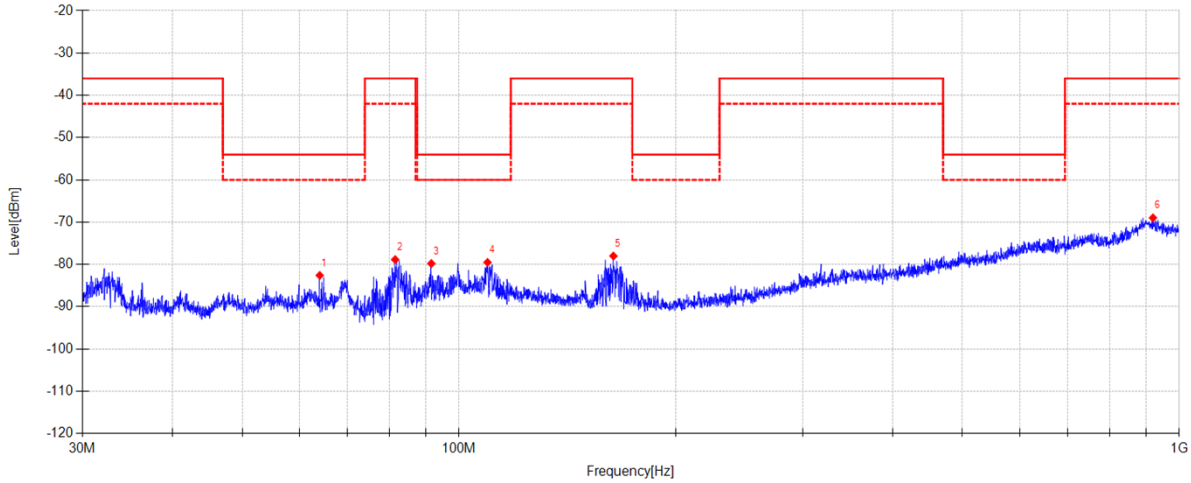
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	48.124	29.62	-111.36	-81.74	-54.00	27.74	PK	Horizontal	ERP
2	56.467	29.88	-112.71	-82.83	-54.00	28.83	PK	Horizontal	ERP
3	110.617	31.55	-116.86	-85.31	-54.00	31.31	PK	Horizontal	ERP
4	160.067	32.92	-118.73	-85.81	-36.00	49.81	PK	Horizontal	ERP
5	318.220	30.26	-111.19	-80.93	-36.00	44.93	PK	Horizontal	ERP
6	944.788	27.62	-98.97	-71.35	-36.00	35.35	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:	2025-12-05	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE1M 2480MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE ABelow 1G BLE\16		
Memo:	Sample Number:S25111416-006		



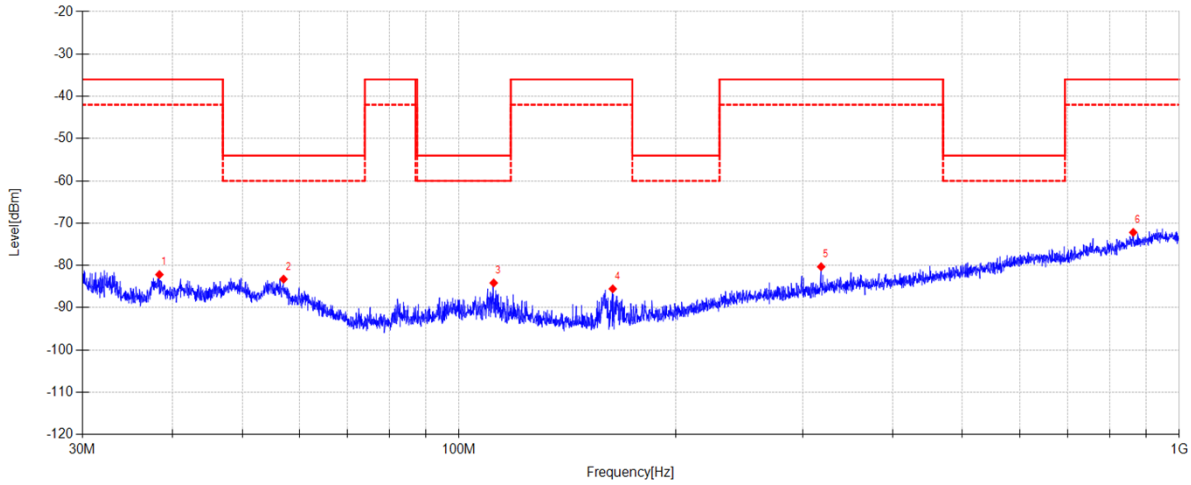
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	64.063	34.46	-117.05	-82.59	-54.00	28.59	PK	Vertical	ERP
2	81.538	38.03	-116.88	-78.85	-36.00	42.85	PK	Vertical	ERP
3	91.539	32.99	-112.78	-79.79	-54.00	25.79	PK	Vertical	ERP
4	109.537	32.37	-111.89	-79.52	-54.00	25.52	PK	Vertical	ERP
5	163.814	36.69	-114.70	-78.01	-36.00	42.01	PK	Vertical	ERP
6	919.302	27.79	-96.77	-68.98	-36.00	32.98	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:	2025-12-05	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE2M 2404MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE ABelow 1G BLE\11		
Memo:	Sample Number:S25111416-006		



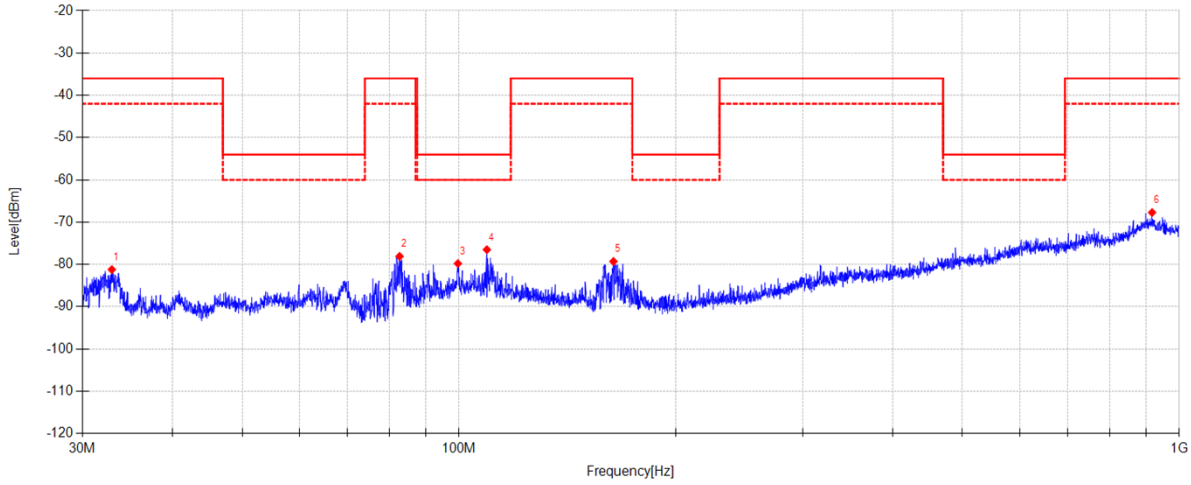
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	38.371	30.54	-112.70	-82.16	-36.00	46.16	PK	Horizontal	ERP
2	57.064	29.61	-112.85	-83.24	-54.00	29.24	PK	Horizontal	ERP
3	111.709	32.79	-116.93	-84.14	-54.00	30.14	PK	Horizontal	ERP
4	163.470	32.98	-118.52	-85.54	-36.00	49.54	PK	Horizontal	ERP
5	318.220	30.89	-111.19	-80.30	-36.00	44.30	PK	Horizontal	ERP
6	863.082	28.79	-100.98	-72.19	-36.00	36.19	PK	Horizontal	ERP

ıure 9. 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.

ıre 10.

Test Date:	2025-12-05	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE2M 2404MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE ABelow 1G BLE\12		
Memo:	Sample Number:S25111416-006		



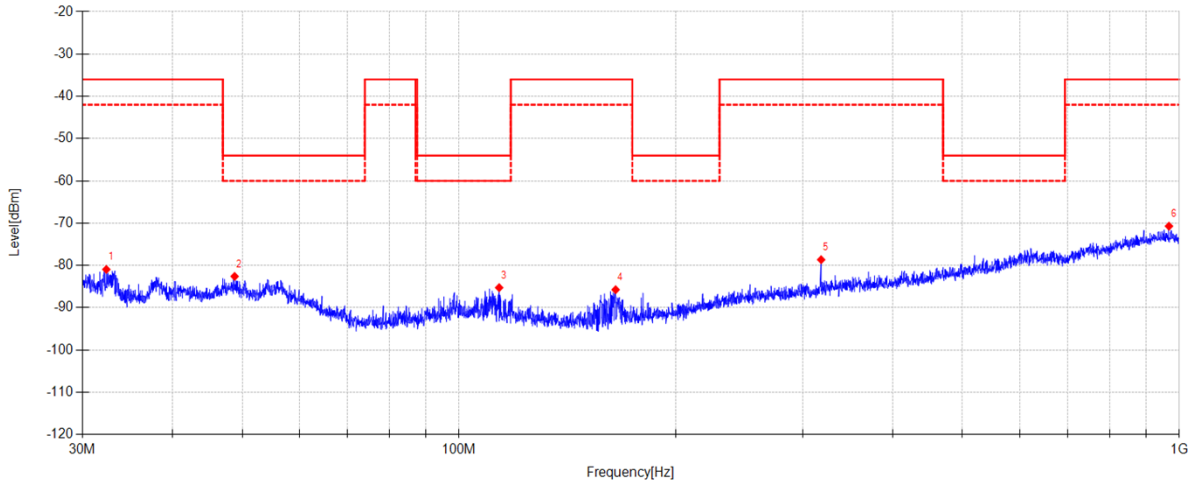
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	32.955	36.34	-117.55	-81.21	-36.00	45.21	PK	Vertical	ERP
2	82.689	38.27	-116.36	-78.09	-36.00	42.09	PK	Vertical	ERP
3	99.644	31.49	-111.28	-79.79	-54.00	25.79	PK	Vertical	ERP
4	109.307	35.37	-111.88	-76.51	-54.00	22.51	PK	Vertical	ERP
5	163.814	35.40	-114.70	-79.30	-36.00	43.30	PK	Vertical	ERP
6	916.727	29.02	-96.74	-67.72	-36.00	31.72	PK	Vertical	ERP

ure 11. 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 12.

Test Date:	2025-12-05	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE2M 2478MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE ABelow 1G BLE\9		
Memo:	Sample Number:S25111416-006		



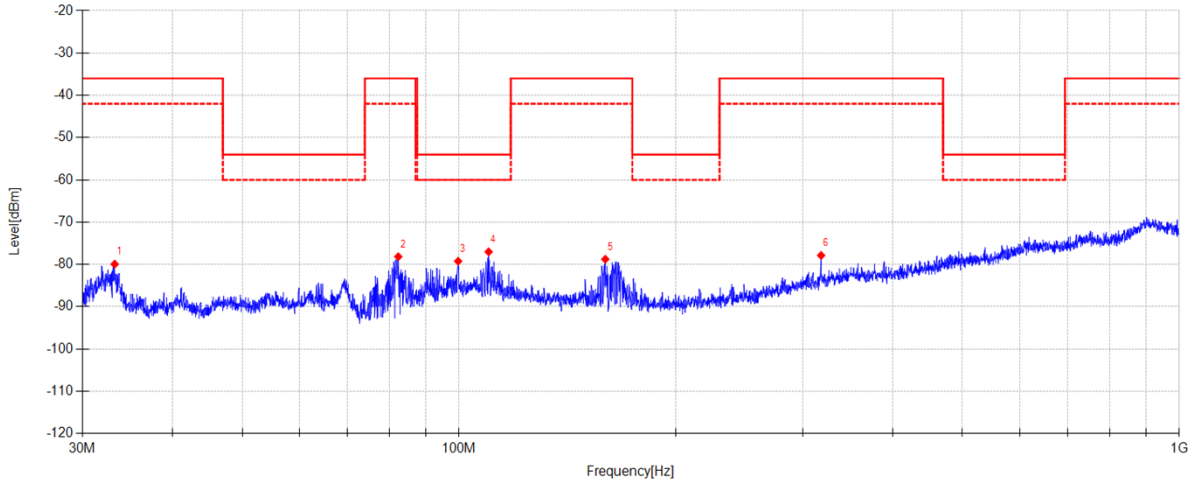
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	32.383	32.91	-113.85	-80.94	-36.00	44.94	PK	Horizontal	ERP
2	48.804	28.68	-111.27	-82.59	-54.00	28.59	PK	Horizontal	ERP
3	113.684	31.79	-117.05	-85.26	-54.00	31.26	PK	Horizontal	ERP
4	164.967	32.68	-118.42	-85.74	-36.00	49.74	PK	Horizontal	ERP
5	318.220	32.55	-111.19	-78.64	-36.00	42.64	PK	Horizontal	ERP
6	967.582	28.41	-99.12	-70.71	-36.00	34.71	PK	Horizontal	ERP

ure 13. 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 14.

Test Date:	2025-12-05	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE2M 2478MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE ABelow 1G BLE\10		
Memo:	Sample Number:S25111416-006		



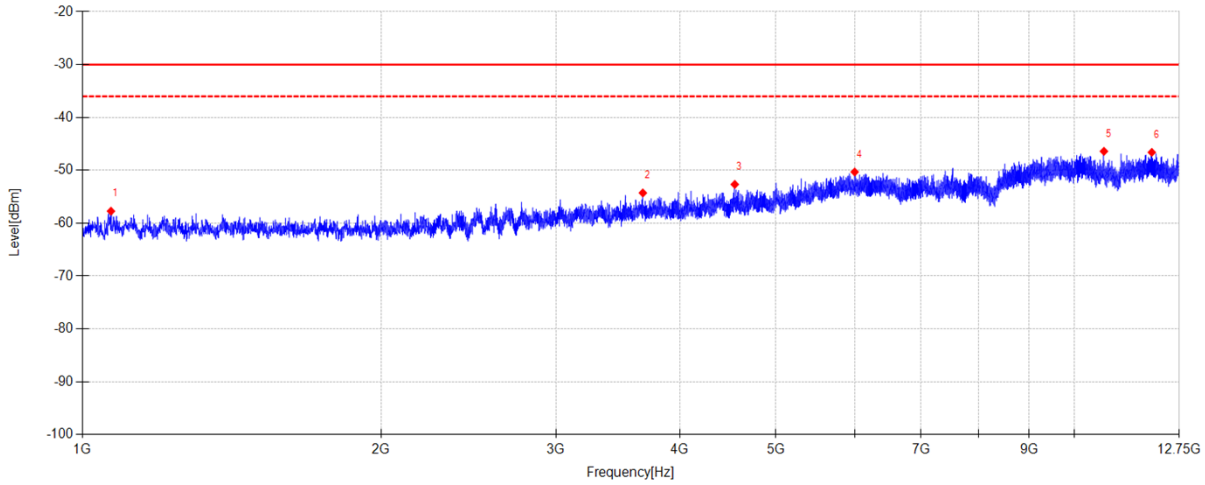
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	33.257	37.58	-117.51	-79.93	-36.00	43.93	PK	Vertical	ERP
2	82.342	38.36	-116.52	-78.16	-36.00	42.16	PK	Vertical	ERP
3	99.714	32.03	-111.27	-79.24	-54.00	25.24	PK	Vertical	ERP
4	109.922	34.90	-111.92	-77.02	-54.00	23.02	PK	Vertical	ERP
5	159.619	35.95	-114.71	-78.76	-36.00	42.76	PK	Vertical	ERP
6	318.220	31.56	-109.42	-77.86	-36.00	41.86	PK	Vertical	ERP

ure 15. 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 16.

Test Date:	2025-12-05	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE1M 2402MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE Above 1G BLE\1		
Memo:	Sample Number:S25111416-006 Power Setting:10		



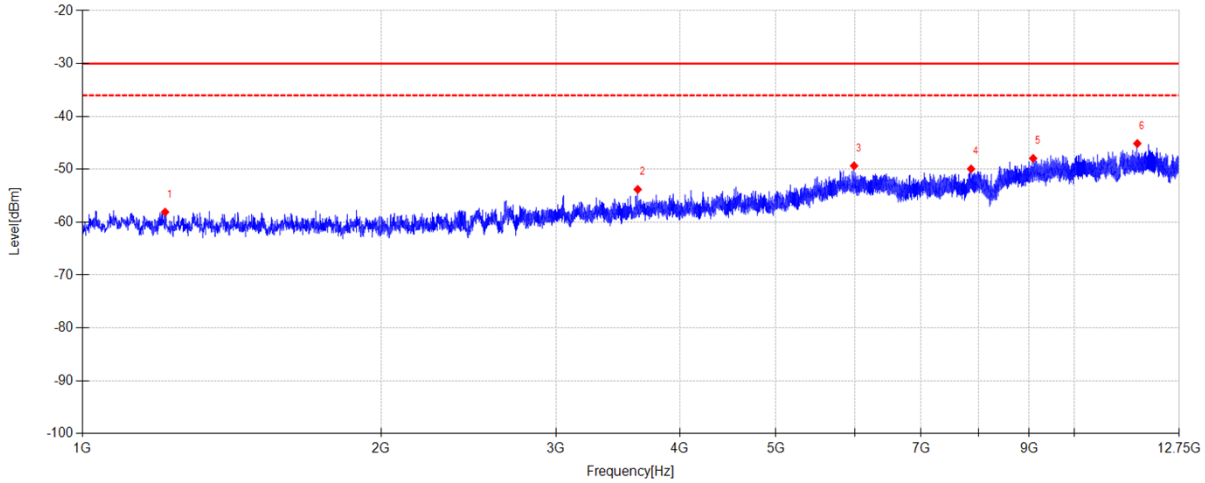
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1068.542	46.73	-104.46	-57.73	**-30.00**	27.73	PK	Horizontal	EIRP
2	3671.656	47.33	-101.61	-54.28	**-30.00**	24.28	PK	Horizontal	EIRP
3	4544.583	46.92	-99.59	-52.67	**-30.00**	22.67	PK	Horizontal	EIRP
4	6002.563	43.79	-94.11	-50.32	**-30.00**	20.32	PK	Horizontal	EIRP
5	10705.990	42.89	-89.30	-46.41	**-30.00**	16.41	PK	Horizontal	EIRP
6	11962.750	41.87	-88.47	-46.60	**-30.00**	16.60	PK	Horizontal	EIRP

ure 17. 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 18.

Test Date:	2025-12-05	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE1M 2402MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE Above 1G BLE\2		
Memo:	Sample Number:S25111416-006 Power Setting:10		



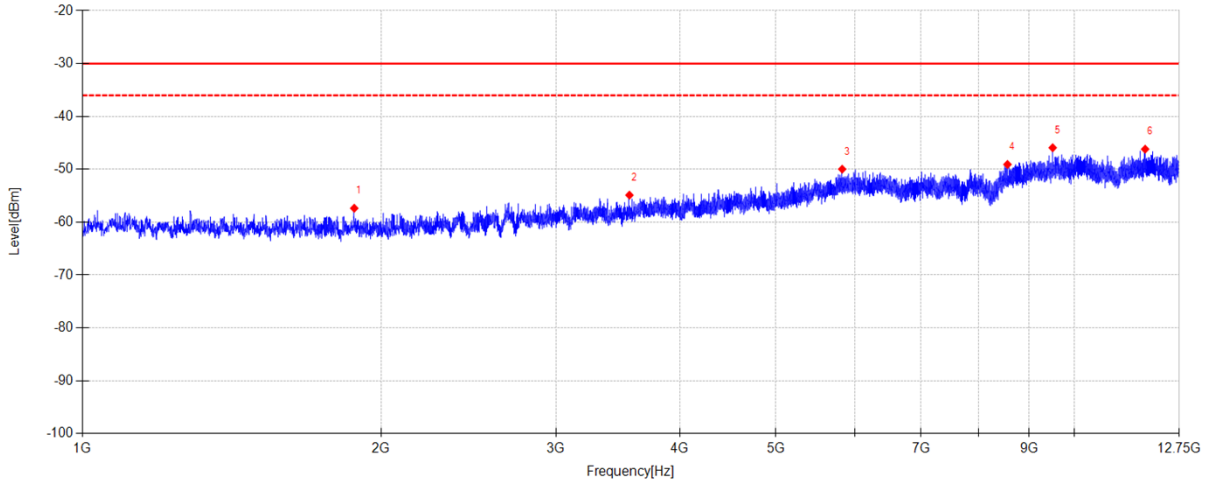
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1211.500	46.05	-104.14	-58.09	**-30.00**	28.09	PK	Vertical	EIRP
2	3628.083	47.87	-101.68	-53.81	**-30.00**	23.81	PK	Vertical	EIRP
3	5994.240	44.75	-94.10	-49.35	**-30.00**	19.35	PK	Vertical	EIRP
4	7864.448	43.34	-93.27	-49.93	**-30.00**	19.93	PK	Vertical	EIRP
5	9083.021	42.03	-89.96	-47.93	**-30.00**	17.93	PK	Vertical	EIRP
6	11567.167	42.84	-87.96	-45.12	**-30.00**	15.12	PK	Vertical	EIRP

ure 19. 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 20.

Test Date:	2025-12-05	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE1M 2480MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE Above 1G BLE\3		
Memo:	Sample Number:S25111416-006 Power Setting:10		



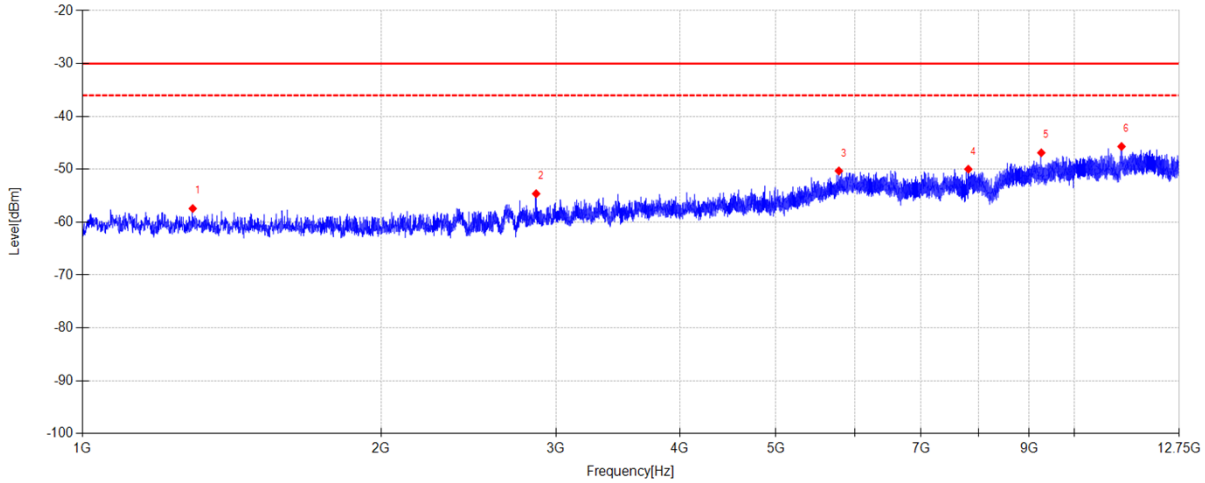
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1879.292	47.30	-104.67	-57.37	**-30.00**	27.37	PK	Horizontal	EIRP
2	3559.052	46.90	-101.79	-54.89	**-30.00**	24.89	PK	Horizontal	EIRP
3	5831.208	44.85	-94.82	-49.97	**-30.00**	19.97	PK	Horizontal	EIRP
4	8557.698	42.25	-91.33	-49.08	**-30.00**	19.08	PK	Horizontal	EIRP
5	9504.552	43.45	-89.37	-45.92	**-30.00**	15.92	PK	Horizontal	EIRP
6	11778.667	42.46	-88.65	-46.19	**-30.00**	16.19	PK	Horizontal	EIRP

ure 21. 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 22.

Test Date:	2025-12-05	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE1M 2480MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE Above 1G BLE\4		
Memo:	Sample Number:S25111416-006 Power Setting:10		



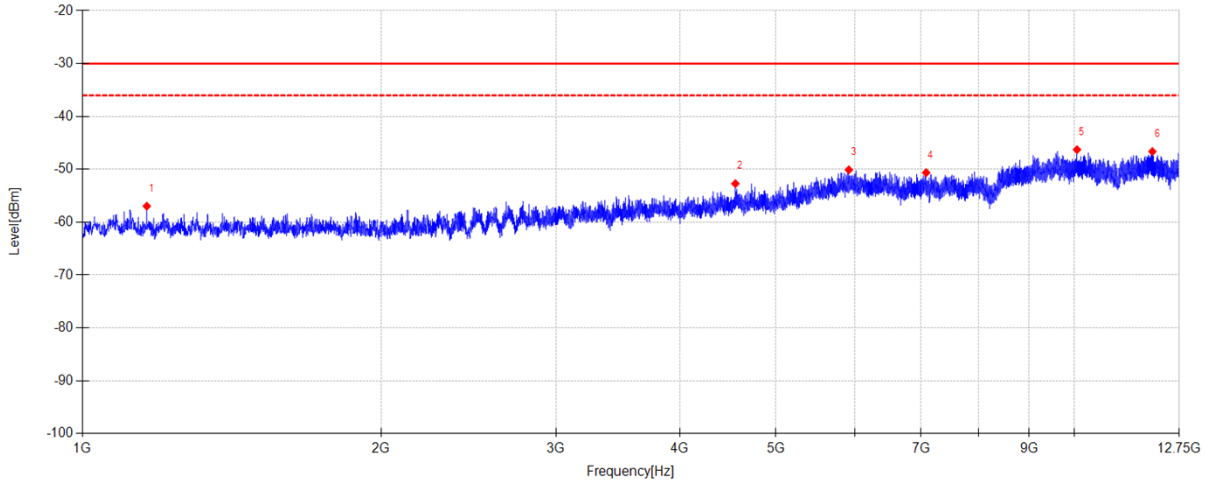
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1291.792	46.75	-104.17	-57.42	**-30.00**	27.42	PK	Vertical	EIRP
2	2866.292	48.25	-102.87	-54.62	**-30.00**	24.62	PK	Vertical	EIRP
3	5786.656	44.78	-95.09	-50.31	**-30.00**	20.31	PK	Vertical	EIRP
4	7815.000	43.38	-93.36	-49.98	**-30.00**	19.98	PK	Vertical	EIRP
5	9256.333	43.00	-89.88	-46.88	**-30.00**	16.88	PK	Vertical	EIRP
6	11151.021	42.33	-88.02	-45.69	**-30.00**	15.69	PK	Vertical	EIRP

ure 23. 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 24.

Test Date:	2025-12-05	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE2M 2404MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE Above 1G BLE\7		
Memo:	Sample Number:S25111416-006 Power Setting:10		



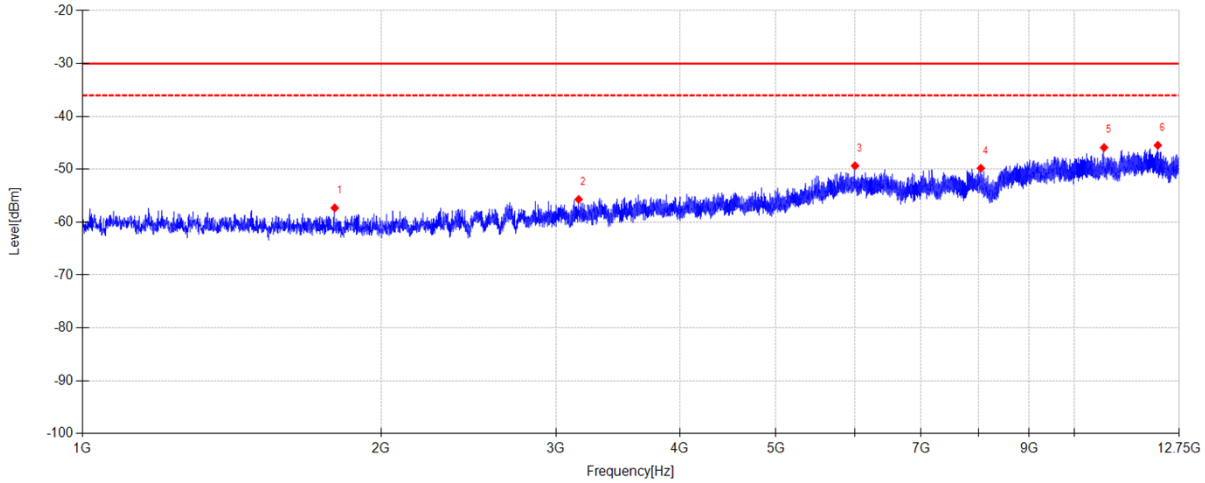
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1161.073	47.51	-104.48	-56.97	**-30.00**	26.97	PK	Horizontal	EIRP
2	4550.948	46.87	-99.58	-52.71	**-30.00**	22.71	PK	Horizontal	EIRP
3	5921.781	44.36	-94.45	-50.09	**-30.00**	20.09	PK	Horizontal	EIRP
4	7085.521	43.95	-94.58	-50.63	**-30.00**	20.63	PK	Horizontal	EIRP
5	10055.823	42.80	-89.08	-46.28	**-30.00**	16.28	PK	Horizontal	EIRP
6	11978.906	41.82	-88.46	-46.64	**-30.00**	16.64	PK	Horizontal	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:	2025-12-05	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE2M 2404MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE Above 1G BLE\8		
Memo:	Sample Number:S25111416-006 Power Setting:10		



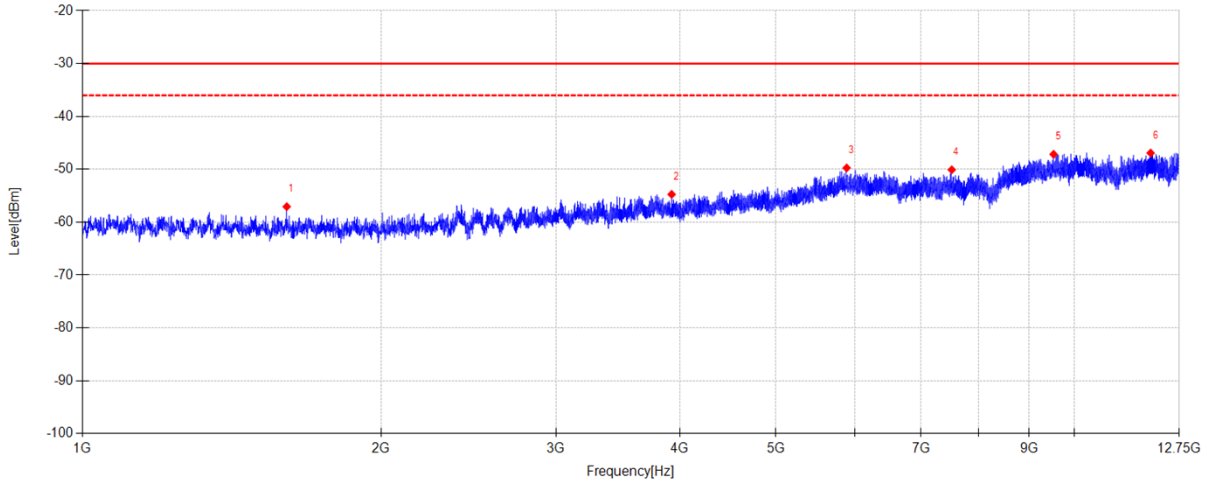
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1796.063	47.05	-104.36	-57.31	**-30.00**	27.31	PK	Vertical	EIRP
2	3163.469	46.69	-102.39	-55.70	**-30.00**	25.70	PK	Vertical	EIRP
3	6007.458	44.74	-94.08	-49.34	**-30.00**	19.34	PK	Vertical	EIRP
4	8045.104	43.08	-92.89	-49.81	**-30.00**	19.81	PK	Vertical	EIRP
5	10708.438	42.60	-88.49	-45.89	**-30.00**	15.89	PK	Vertical	EIRP
6	12130.188	42.49	-87.95	-45.46	**-30.00**	15.46	PK	Vertical	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:	2025-12-05	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE2M 2478MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE Above 1G BLE\5		
Memo:	Sample Number:S25111416-006 Power Setting:10		



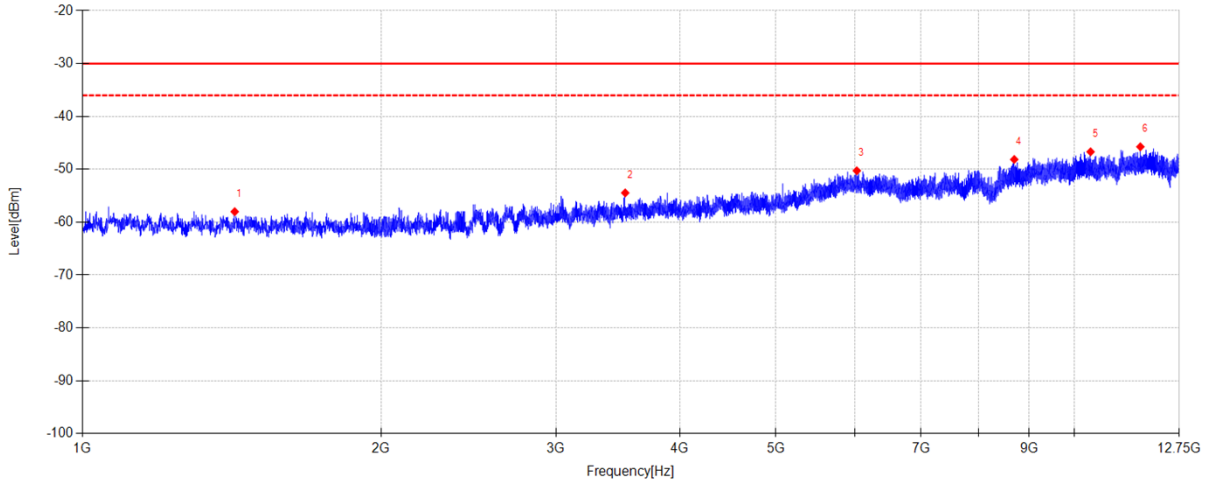
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1606.594	47.53	-104.60	-57.07	**-30.00**	27.07	PK	Horizontal	EIRP
2	3925.750	46.47	-101.21	-54.74	**-30.00**	24.74	PK	Horizontal	EIRP
3	5891.917	44.83	-94.57	-49.74	**-30.00**	19.74	PK	Horizontal	EIRP
4	7519.292	43.95	-94.04	-50.09	**-30.00**	20.09	PK	Horizontal	EIRP
5	9524.135	42.19	-89.35	-47.16	**-30.00**	17.16	PK	Horizontal	EIRP
6	11930.438	41.59	-88.51	-46.92	**-30.00**	16.92	PK	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:	2025-12-05	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE2M 2478MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE Above 1G BLE\6		
Memo:	Sample Number:S25111416-006 Power Setting:10		



Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1423.979	46.19	-104.21	-58.02	**-30.00**	28.02	PK	Vertical	EIRP
2	3524.292	47.38	-101.84	-54.46	**-30.00**	24.46	PK	Vertical	EIRP
3	6032.427	43.83	-94.10	-50.27	**-30.00**	20.27	PK	Vertical	EIRP
4	8693.313	42.79	-90.93	-48.14	**-30.00**	18.14	PK	Vertical	EIRP
5	10377.969	42.29	-88.98	-46.69	**-30.00**	16.69	PK	Vertical	EIRP
6	11647.948	42.21	-87.95	-45.74	**-30.00**	15.74	PK	Vertical	EIRP

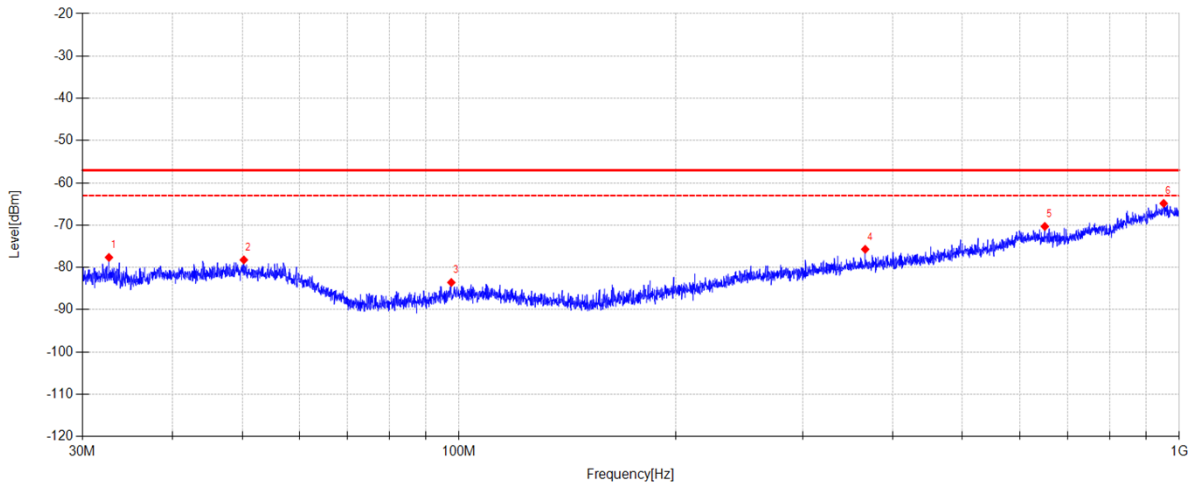
ure 31. Note:
1. Level = Reading + Factor.
2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

ure 32.

6 Appendix B.6 : Receiver spurious emissions

Note: The EUT without antenna connectors.

Test Date:	2025-12-05	**Tested By**:	Li Xiongbin
Test Mode:	RX BLE1M 2402MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE ABelow 1G BLE\1		
Memo:	Sample Number:S25111416-006		



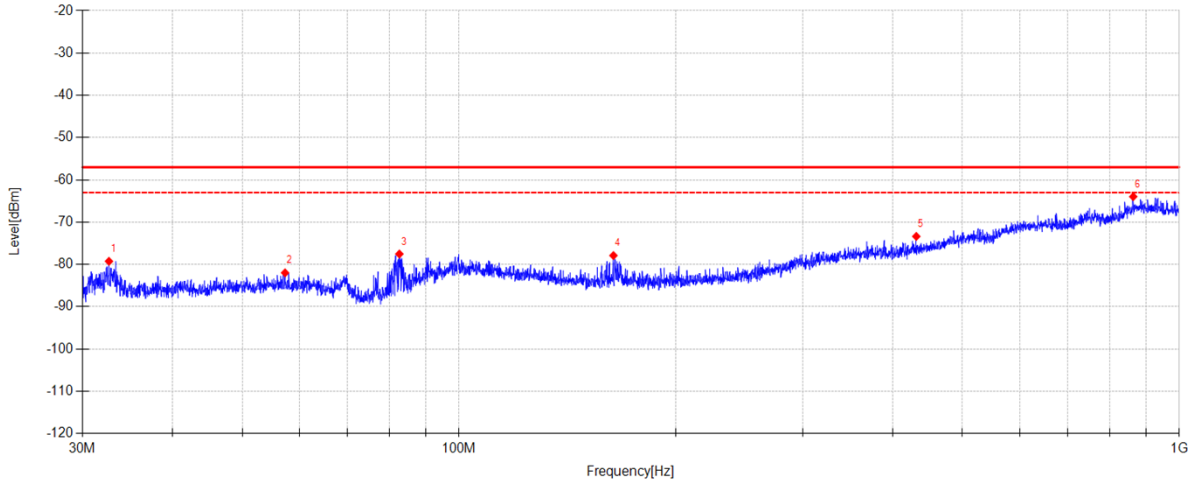
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	32.656	36.16	-113.79	-77.63	-57.00	20.63	PK	Horizontal	ERP
2	50.263	32.97	-111.19	-78.22	-57.00	21.22	PK	Horizontal	ERP
3	97.570	33.05	-116.60	-83.55	-57.00	26.55	PK	Horizontal	ERP
4	366.383	34.26	-109.96	-75.70	-57.00	18.70	PK	Horizontal	ERP
5	650.627	34.32	-104.62	-70.30	-57.00	13.30	PK	Horizontal	ERP
6	951.436	33.98	-98.84	-64.86	-57.00	7.86	PK	Horizontal	ERP

ure 33. 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 34.

Test Date:	2025-12-05	**Tested By**:	Li Xiongbin
Test Mode:	RX BLE1M 2402MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE ABelow 1G BLE\2		
Memo:	Sample Number:S25111416-006		



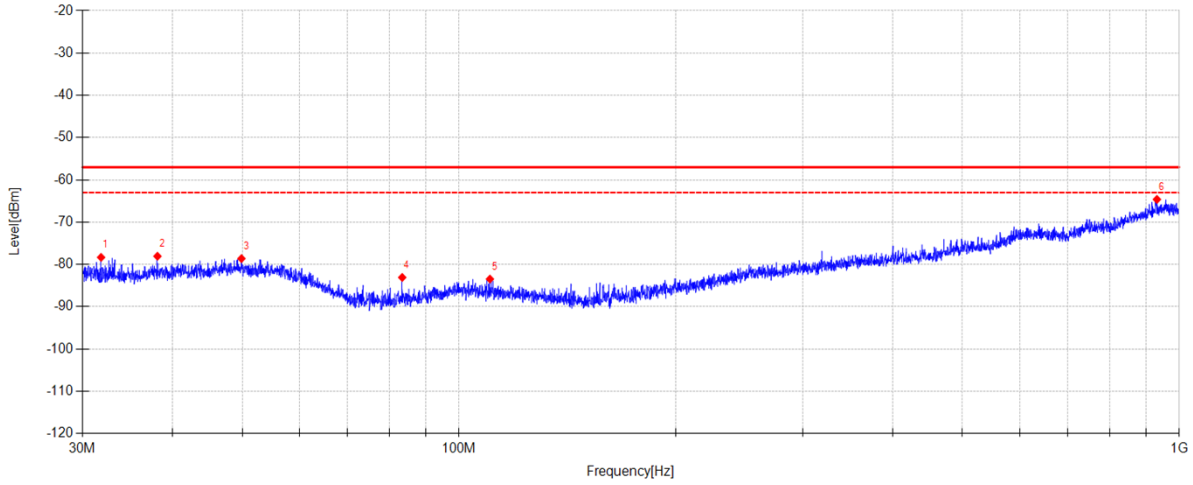
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	32.656	38.33	-117.58	-79.25	-57.00	22.25	PK	Vertical	ERP
2	57.345	33.88	-115.86	-81.98	-57.00	24.98	PK	Vertical	ERP
3	82.631	38.85	-116.38	-77.53	-57.00	20.53	PK	Vertical	ERP
4	163.814	36.80	-114.70	-77.90	-57.00	20.90	PK	Vertical	ERP
5	431.407	33.86	-107.23	-73.37	-57.00	16.37	PK	Vertical	ERP
6	863.082	34.89	-98.86	-63.97	-57.00	6.97	PK	Vertical	ERP

ure 35. 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 36.

Test Date:	2025-12-05	**Tested By**:	Li Xiongbin
Test Mode:	RX BLE1M 2480MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE ABelow 1G BLE\3		
Memo:	Sample Number:S25111416-006		



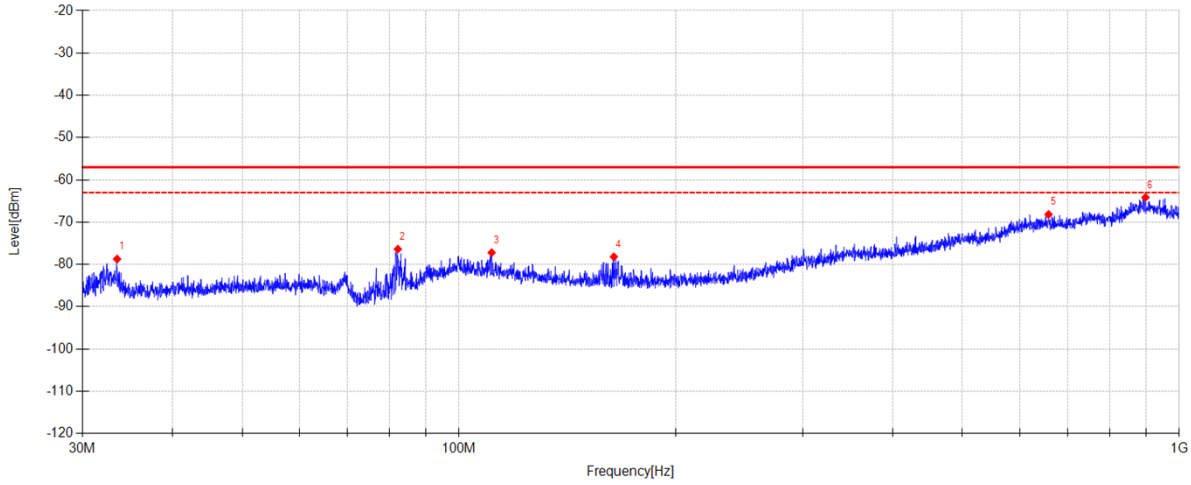
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	31.842	35.62	-113.94	-78.32	-57.00	21.32	PK	Horizontal	ERP
2	38.130	34.69	-112.75	-78.06	-57.00	21.06	PK	Horizontal	ERP
3	49.876	32.51	-111.13	-78.62	-57.00	21.62	PK	Horizontal	ERP
4	83.388	35.24	-118.31	-83.07	-57.00	26.07	PK	Horizontal	ERP
5	110.385	33.40	-116.85	-83.45	-57.00	26.45	PK	Horizontal	ERP
6	930.978	34.75	-99.37	-64.62	-57.00	7.62	PK	Horizontal	ERP

ure 37. 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 38.

Test Date:	2025-12-05	**Tested By**:	Li Xiongbin
Test Mode:	RX BLE1M 2480MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE ABelow 1G BLE\4		
Memo:	Sample Number:S25111416-006		



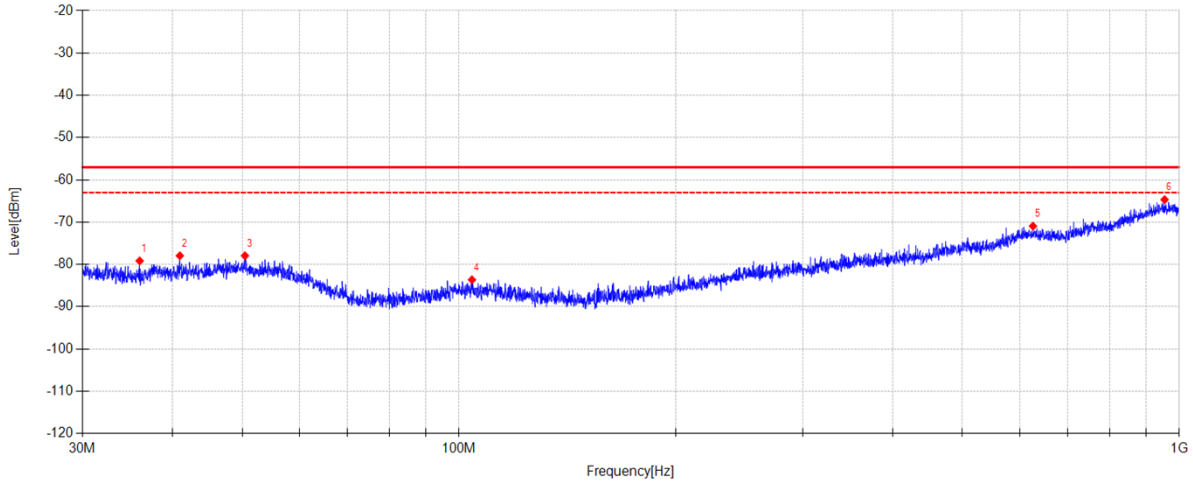
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	33.515	38.77	-117.49	-78.72	-57.00	21.72	PK	Vertical	ERP
2	82.227	40.19	-116.57	-76.38	-57.00	19.38	PK	Vertical	ERP
3	111.006	34.78	-112.00	-77.22	-57.00	20.22	PK	Vertical	ERP
4	164.044	36.51	-114.70	-78.19	-57.00	21.19	PK	Vertical	ERP
5	658.429	34.00	-102.18	-68.18	-57.00	11.18	PK	Vertical	ERP
6	897.645	32.52	-96.66	-64.14	-57.00	7.14	PK	Vertical	ERP

ure 39. 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 40.

Test Date:	2025-12-05	**Tested By**:	Li Xiongbin
Test Mode:	RX BLE2M 2404MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE ABelow 1G BLE\5		
Memo:	Sample Number:S25111416-006		



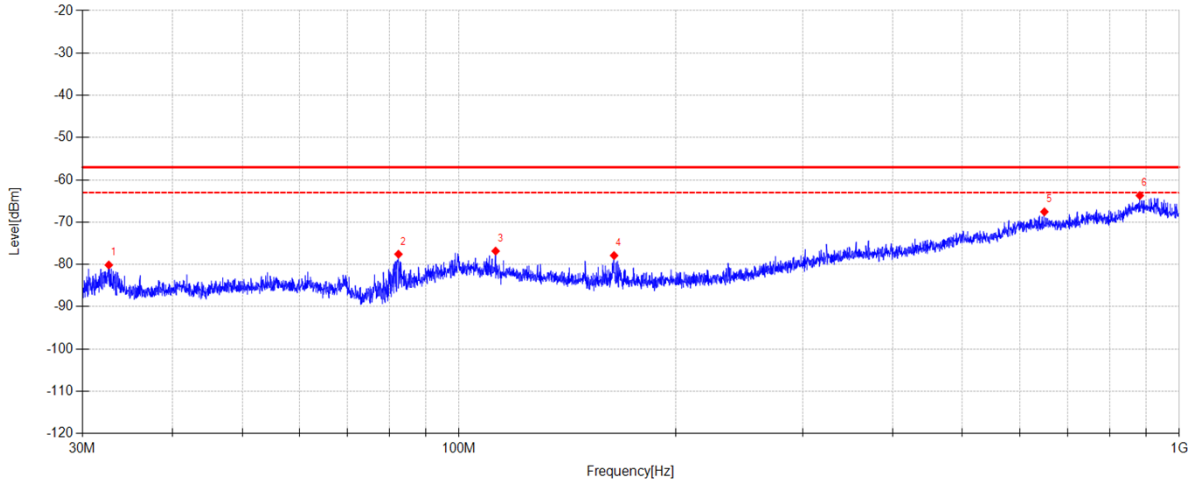
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	36.025	33.99	-113.15	-79.16	-57.00	22.16	PK	Horizontal	ERP
2	40.957	34.32	-112.26	-77.94	-57.00	20.94	PK	Horizontal	ERP
3	50.439	33.29	-111.23	-77.94	-57.00	20.94	PK	Horizontal	ERP
4	104.217	32.83	-116.46	-83.63	-57.00	26.63	PK	Horizontal	ERP
5	626.453	33.80	-104.73	-70.93	-57.00	13.93	PK	Horizontal	ERP
6	954.108	34.21	-98.89	-64.68	-57.00	7.68	PK	Horizontal	ERP

ure 41. 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 42.

Test Date:	2025-12-05	**Tested By**:	Li Xiongbin
Test Mode:	RX BLE2M 2404MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE ABelow 1G BLE\6		
Memo:	Sample Number:S25111416-006		



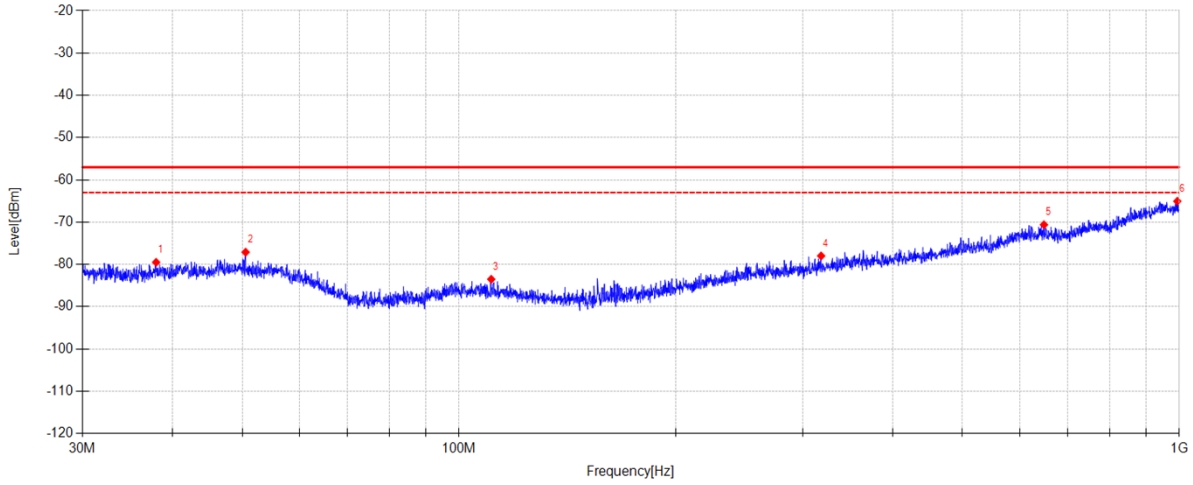
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	32.633	37.45	-117.58	-80.13	-57.00	23.13	PK	Vertical	ERP
2	82.400	38.91	-116.49	-77.58	-57.00	20.58	PK	Vertical	ERP
3	112.416	35.25	-112.09	-76.84	-57.00	19.84	PK	Vertical	ERP
4	164.159	36.81	-114.70	-77.89	-57.00	20.89	PK	Vertical	ERP
5	649.716	34.57	-102.12	-67.55	-57.00	10.55	PK	Vertical	ERP
6	881.429	33.99	-97.70	-63.71	-57.00	6.71	PK	Vertical	ERP

ure 43. 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 44.

Test Date:	2025-12-05	**Tested By**:	Li Xiongbin
Test Mode:	RX BLE2M 2478MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE ABelow 1G BLE\7		
Memo:	Sample Number:S25111416-006		



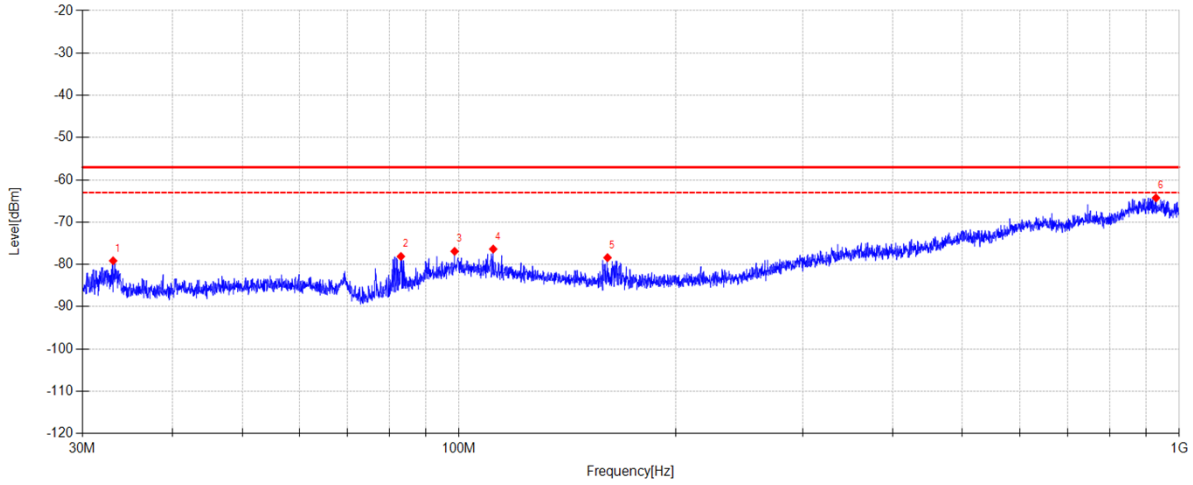
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	37.970	33.30	-112.78	-79.48	-57.00	22.48	PK	Horizontal	ERP
2	50.545	34.16	-111.26	-77.10	-57.00	20.10	PK	Horizontal	ERP
3	110.850	33.38	-116.88	-83.50	-57.00	26.50	PK	Horizontal	ERP
4	318.220	33.21	-111.19	-77.98	-57.00	20.98	PK	Horizontal	ERP
5	648.805	34.02	-104.63	-70.61	-57.00	13.61	PK	Horizontal	ERP
6	993.709	34.55	-99.59	-65.04	-57.00	8.04	PK	Horizontal	ERP

ure 45. 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 46.

Test Date:	2025-12-05	**Tested By**:	Li Xiongbin
Test Mode:	RX BLE2M 2478MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE ABelow 1G BLE\8		
Memo:	Sample Number:S25111416-006		



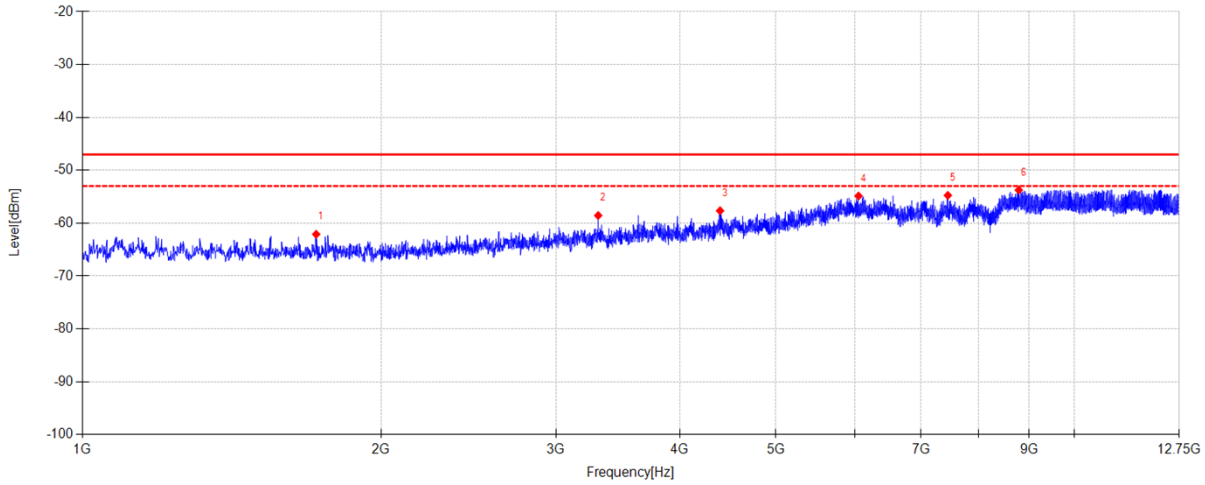
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	33.094	38.40	-117.54	-79.14	-57.00	22.14	PK	Vertical	ERP
2	83.038	38.09	-116.20	-78.11	-57.00	21.11	PK	Vertical	ERP
3	98.601	34.58	-111.48	-76.90	-57.00	19.90	PK	Vertical	ERP
4	111.552	35.67	-112.03	-76.36	-57.00	19.36	PK	Vertical	ERP
5	160.742	36.33	-114.72	-78.39	-57.00	21.39	PK	Vertical	ERP
6	928.371	32.63	-96.89	-64.26	-57.00	7.26	PK	Vertical	ERP

ure 47. 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 48.

Test Date:	2025-12-05	**Tested By**:	Li Xiongbin
Test Mode:	RX BLE1M 2402MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE Above 1G BLE\15		
Memo:	Sample Number:S25111416-006		



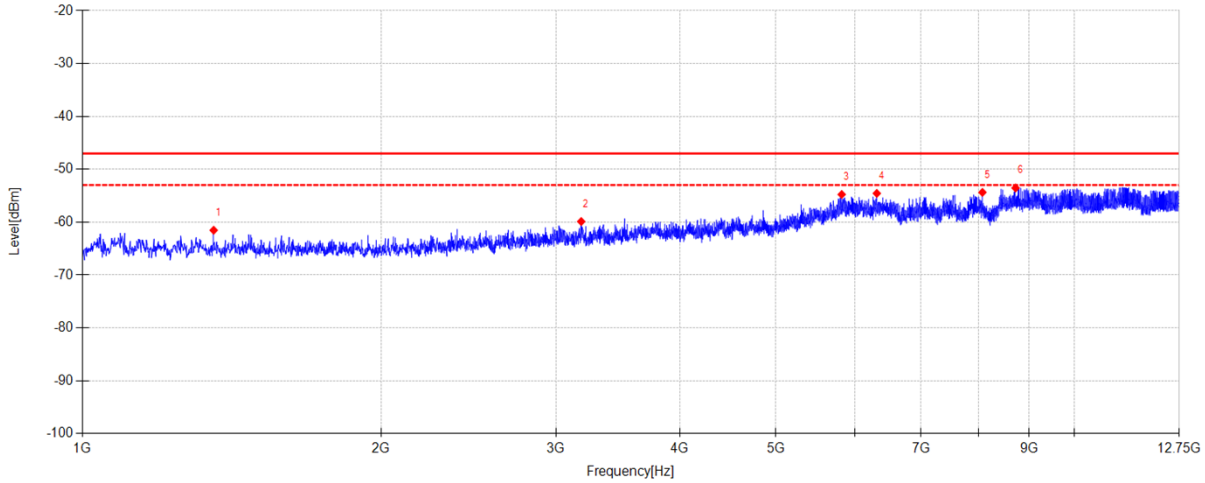
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1720.275	42.53	-104.63	-62.10	**-47.00**	15.10	RMS	Horizontal	EIRP
2	3310.050	43.64	-102.19	-58.55	**-47.00**	11.55	RMS	Horizontal	EIRP
3	4392.225	42.36	-100.01	-57.65	**-47.00**	10.65	RMS	Horizontal	EIRP
4	6057.200	39.29	-94.15	-54.86	**-47.00**	7.86	RMS	Horizontal	EIRP
5	7451.925	39.38	-94.12	-54.74	**-47.00**	7.74	RMS	Horizontal	EIRP
6	8785.550	36.74	-90.48	-53.74	**-47.00**	6.74	RMS	Horizontal	EIRP

ure 49. 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 50.

Test Date:	2025-12-05	**Tested By**:	Li Xiongbin
Test Mode:	RX BLE1M 2402MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE Above 1G BLE\16		
Memo:	Sample Number:S25111416-006		



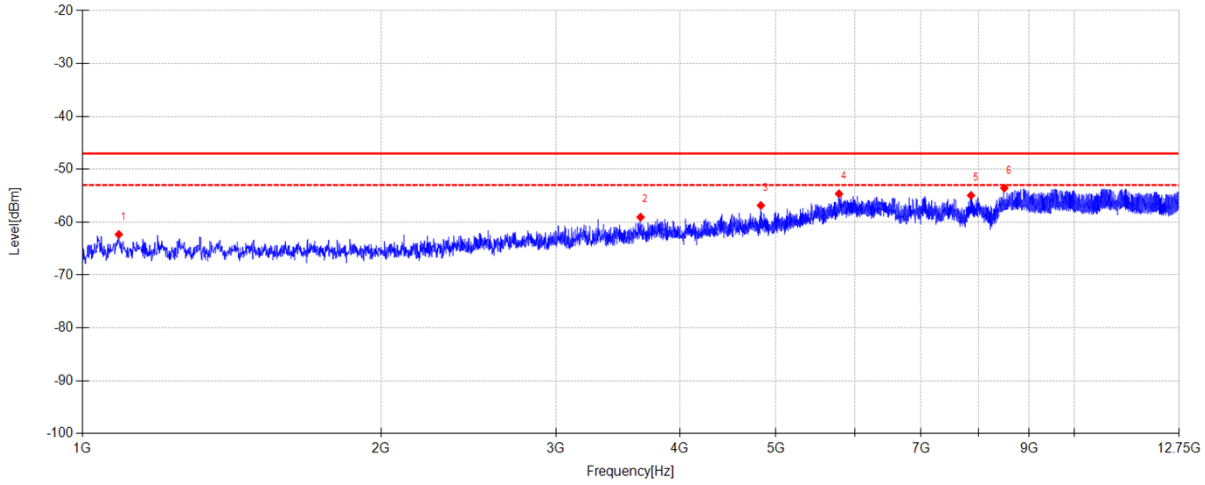
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1356.025	42.67	-104.20	-61.53	**-47.00**	14.53	RMS	Vertical	EIRP
2	3181.975	42.48	-102.36	-59.88	**-47.00**	12.88	RMS	Vertical	EIRP
3	5824.550	40.16	-94.92	-54.76	**-47.00**	7.76	RMS	Vertical	EIRP
4	6319.225	39.78	-94.33	-54.55	**-47.00**	7.55	RMS	Vertical	EIRP
5	8074.675	38.45	-92.81	-54.36	**-47.00**	7.36	RMS	Vertical	EIRP
6	8719.750	37.32	-90.85	-53.53	**-47.00**	6.53	RMS	Vertical	EIRP

ure 51. 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 52.

Test Date:	2025-12-05	**Tested By**:	Li Xiongbin
Test Mode:	RX BLE1M 2480MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE Above 1G BLE\13		
Memo:	Sample Number:S25111416-006		



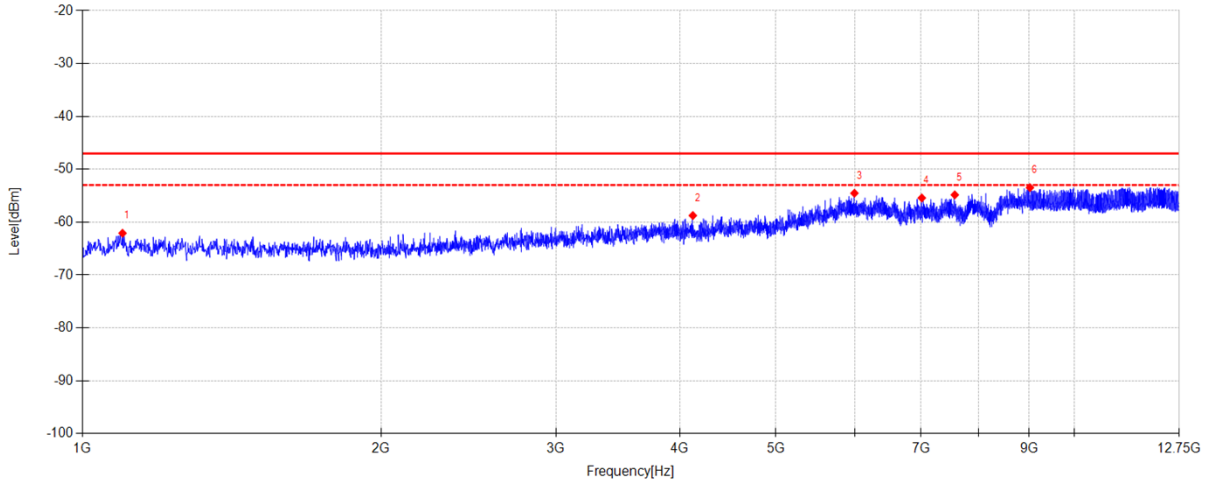
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1088.125	42.13	-104.46	-62.33	**-47.00**	15.33	RMS	Horizontal	EIRP
2	3651.975	42.60	-101.65	-59.05	**-47.00**	12.05	RMS	Horizontal	EIRP
3	4828.150	41.97	-98.81	-56.84	**-47.00**	9.84	RMS	Horizontal	EIRP
4	5788.125	40.38	-95.01	-54.63	**-47.00**	7.63	RMS	Horizontal	EIRP
5	7863.175	38.67	-93.61	-54.94	**-47.00**	7.94	RMS	Horizontal	EIRP
6	8495.325	38.02	-91.57	-53.55	**-47.00**	6.55	RMS	Horizontal	EIRP

ure 53. 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 54.

Test Date:	2025-12-05	**Tested By**:	Li Xiongbin
Test Mode:	RX BLE1M 2480MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE Above 1G BLE\14		
Memo:	Sample Number:S25111416-006		



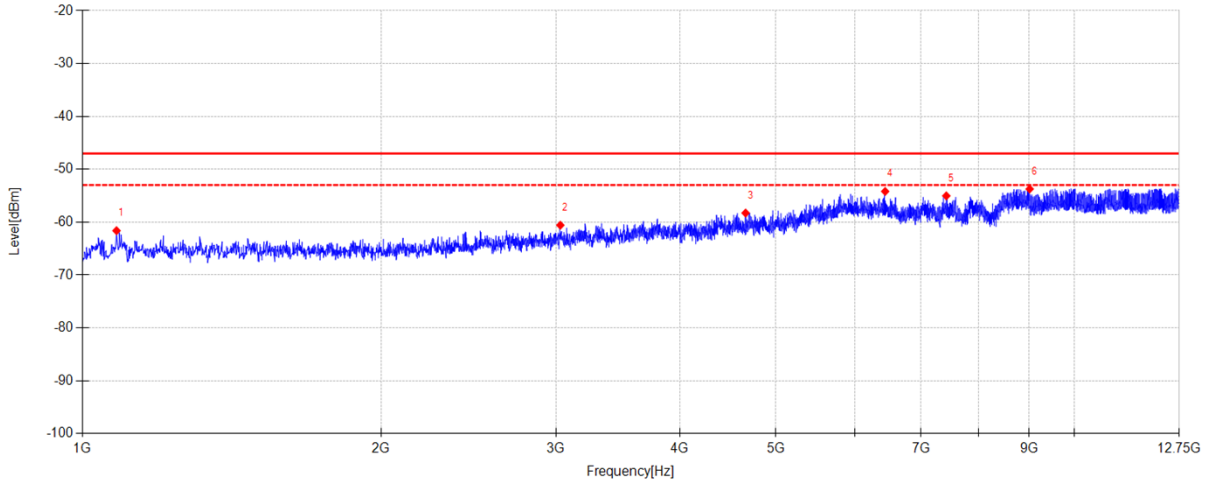
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1097.525	42.01	-104.10	-62.09	**-47.00**	15.09	RMS	Vertical	EIRP
2	4123.150	42.09	-100.84	-58.75	**-47.00**	11.75	RMS	Vertical	EIRP
3	5999.625	39.56	-94.08	-54.52	**-47.00**	7.52	RMS	Vertical	EIRP
4	7014.825	39.39	-94.81	-55.42	**-47.00**	8.42	RMS	Vertical	EIRP
5	7572.950	38.96	-93.80	-54.84	**-47.00**	7.84	RMS	Vertical	EIRP
6	9015.850	36.52	-89.99	-53.47	**-47.00**	6.47	RMS	Vertical	EIRP

ure 55. 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 56.

Test Date:	2025-12-05	**Tested By**:	Li Xiongbin
Test Mode:	RX BLE2M 2404MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE Above 1G BLE\9		
Memo:	Sample Number:S25111416-006		



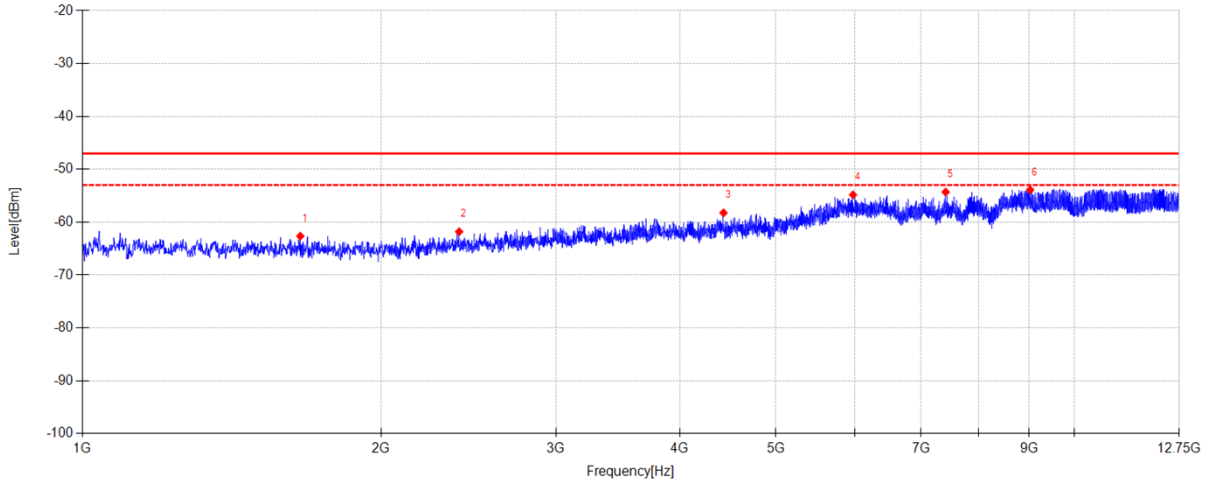
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1082.250	42.86	-104.47	-61.61	**-47.00**	14.61	RMS	Horizontal	EIRP
2	3031.575	42.06	-102.64	-60.58	**-47.00**	13.58	RMS	Horizontal	EIRP
3	4660.125	41.01	-99.28	-58.27	**-47.00**	11.27	RMS	Horizontal	EIRP
4	6442.600	40.18	-94.36	-54.18	**-47.00**	7.18	RMS	Horizontal	EIRP
5	7424.900	39.13	-94.16	-55.03	**-47.00**	8.03	RMS	Horizontal	EIRP
6	9009.975	35.92	-89.65	-53.73	**-47.00**	6.73	RMS	Horizontal	EIRP

ure 57. 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 58.

Test Date:	2025-12-05	**Tested By**:	Li Xiongbin
Test Mode:	RX BLE2M 2404MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE Above 1G BLE\10		
Memo:	Sample Number:S25111416-006		



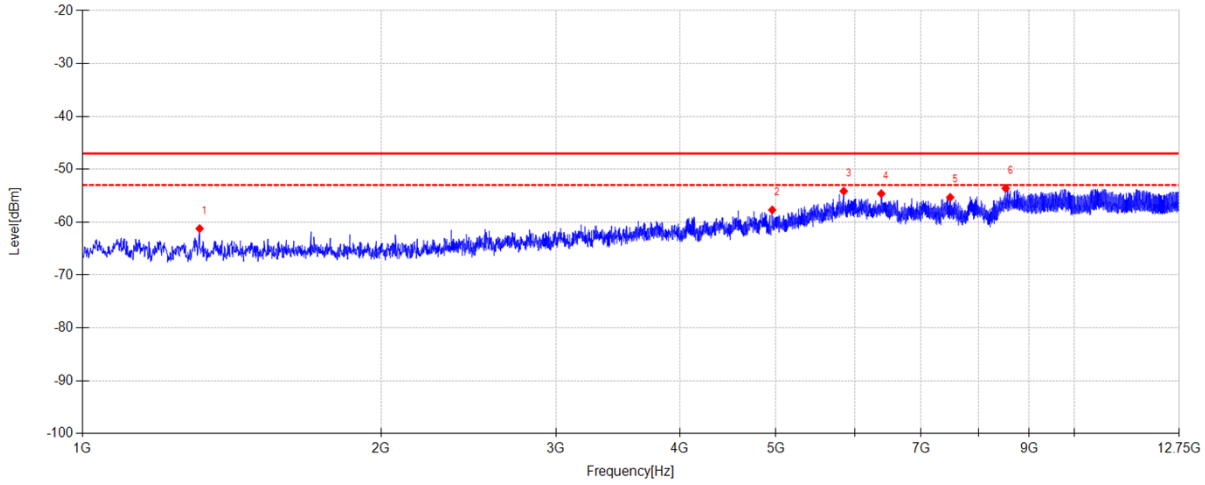
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1658.000	41.65	-104.30	-62.65	**-47.00**	15.65	RMS	Vertical	EIRP
2	2397.075	41.93	-103.73	-61.80	**-47.00**	14.80	RMS	Vertical	EIRP
3	4427.475	41.90	-100.14	-58.24	**-47.00**	11.24	RMS	Vertical	EIRP
4	5979.650	39.36	-94.18	-54.82	**-47.00**	7.82	RMS	Vertical	EIRP
5	7414.325	39.79	-94.09	-54.30	**-47.00**	7.30	RMS	Vertical	EIRP
6	9019.375	36.10	-89.99	-53.89	**-47.00**	6.89	RMS	Vertical	EIRP

ure 59. 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 60.

Test Date:	2025-12-05	**Tested By**:	Li Xiongbin
Test Mode:	RX BLE2M 2478MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE Above 1G BLE\11		
Memo:	Sample Number:S25111416-006		



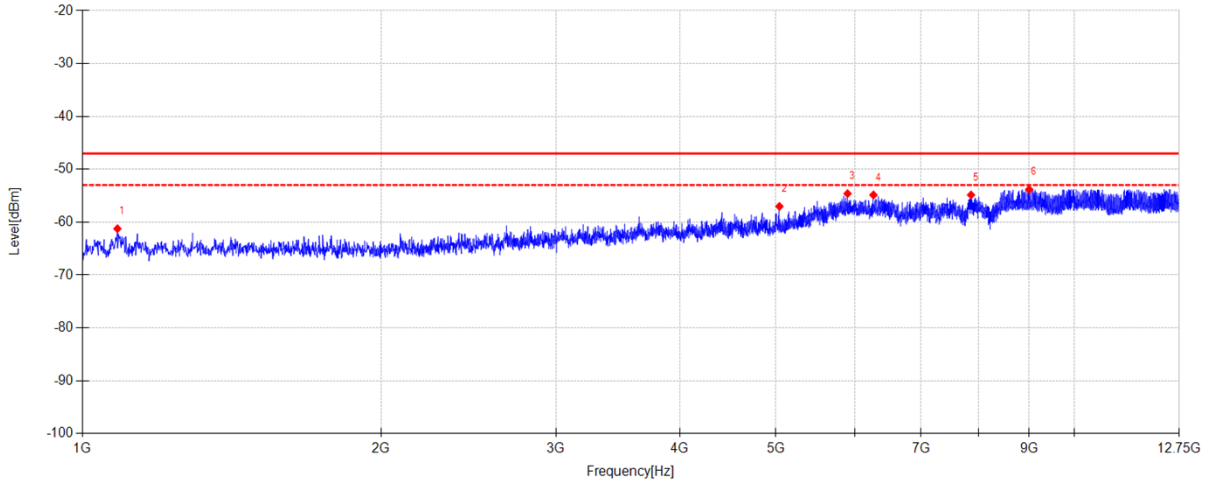
Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1312.550	43.30	-104.52	-61.22	**-47.00**	14.22	RMS	Horizontal	EIRP
2	4957.400	40.77	-98.46	-57.69	**-47.00**	10.69	RMS	Horizontal	EIRP
3	5852.750	40.59	-94.73	-54.14	**-47.00**	7.14	RMS	Horizontal	EIRP
4	6385.025	39.73	-94.34	-54.61	**-47.00**	7.61	RMS	Horizontal	EIRP
5	7493.050	38.77	-94.08	-55.31	**-47.00**	8.31	RMS	Horizontal	EIRP
6	8522.350	37.87	-91.47	-53.60	**-47.00**	6.60	RMS	Horizontal	EIRP

ure 61. 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 62.

Test Date:	2025-12-05	**Tested By**:	Li Xiongbin
Test Mode:	RX BLE2M 2478MHz Mode	**Power Supply**:	AC 230V/50Hz
Condition:	Temp:22.9°C;Humi:45.9%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2025 report date\Q25111416-2E\CE Above 1G BLE\12		
Memo:	Sample Number:S25111416-006		



Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1084.600	42.85	-104.09	-61.24	**-47.00**	14.24	RMS	Vertical	EIRP
2	5040.825	41.62	-98.64	-57.02	**-47.00**	10.02	RMS	Vertical	EIRP
3	5904.450	39.94	-94.54	-54.60	**-47.00**	7.60	RMS	Vertical	EIRP
4	6269.875	39.43	-94.28	-54.85	**-47.00**	7.85	RMS	Vertical	EIRP
5	7864.350	38.42	-93.27	-54.85	**-47.00**	7.85	RMS	Vertical	EIRP
6	8999.400	36.18	-90.00	-53.82	**-47.00**	6.82	RMS	Vertical	EIRP

ure 63. 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.

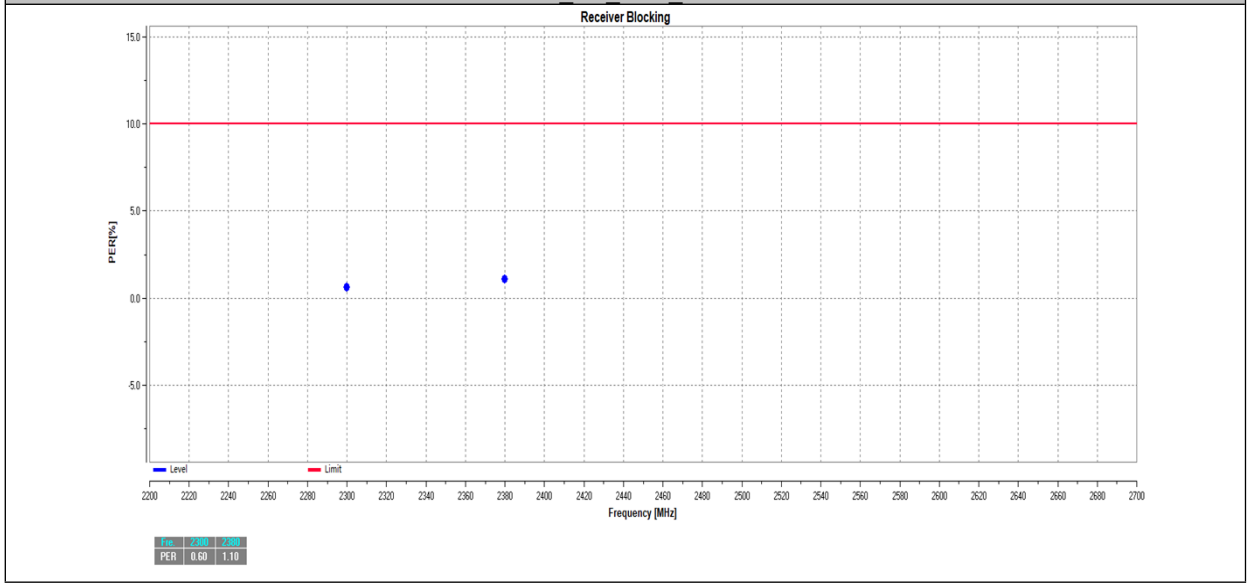
ure 64.

7 Appendix B.7: Receiver Blocking

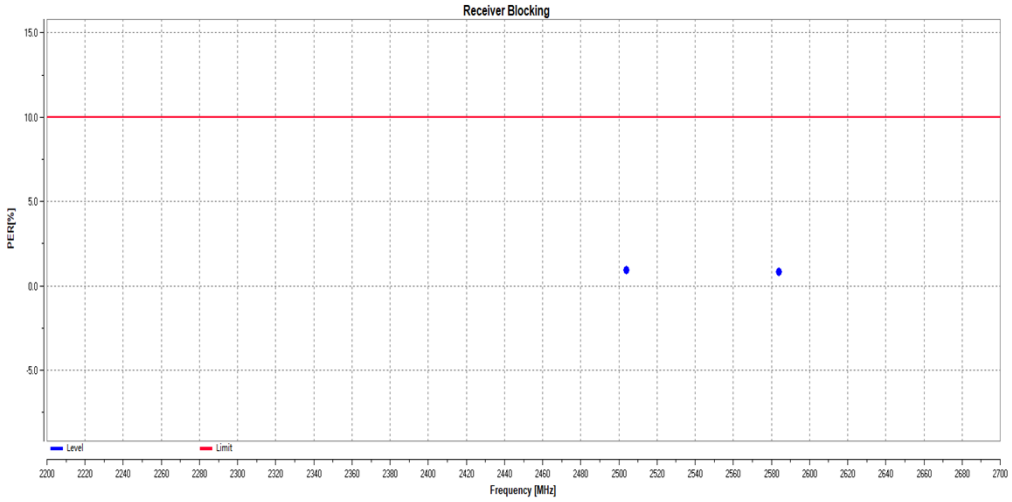
Note: The EUT is category 2 receiver.

TestMode	Antenna	Frequency[MHz]	Pmin [dBm]	Wanted signal [dBm]	Freq. [MHz]	CW [dBm]	PER [%]	Limit [%]	Verdict
BLE_1M	Ant1	2402	---	-66.16	2300	-31.41	0.60	≤10	PASS
			---	-66.16	2380	-31.41	1.10	≤10	PASS
		2480	---	-66.21	2504	-31.41	0.90	≤10	PASS
			---	-66.21	2584	-31.41	0.80	≤10	PASS
BLE_2M	Ant1	2404	---	-63.33	2300	-31.41	0.50	≤10	PASS
			---	-63.33	2380	-31.41	0.30	≤10	PASS
		2478	---	-63.35	2504	-31.41	0.20	≤10	PASS
			---	-63.35	2584	-31.41	0.40	≤10	PASS

BLE_1M_Ant1_2402

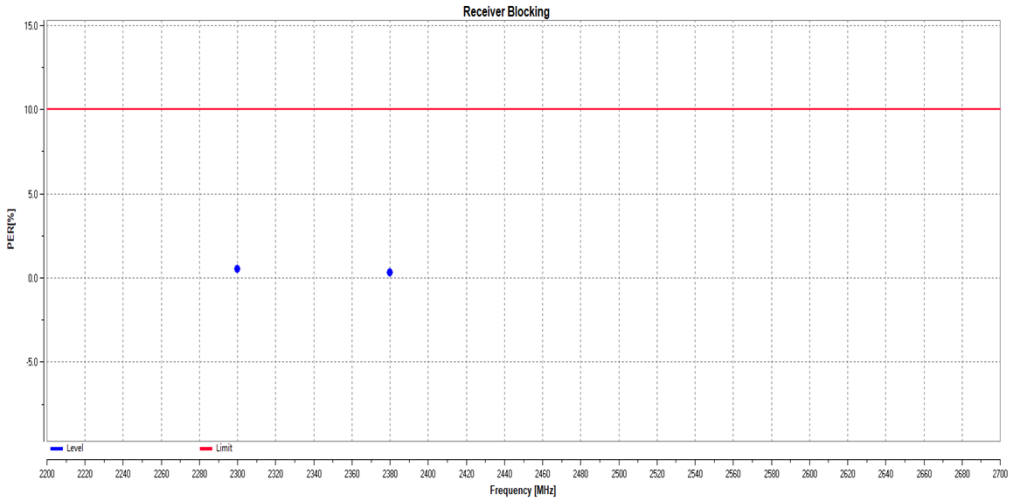


BLE_1M_Ant1_2480



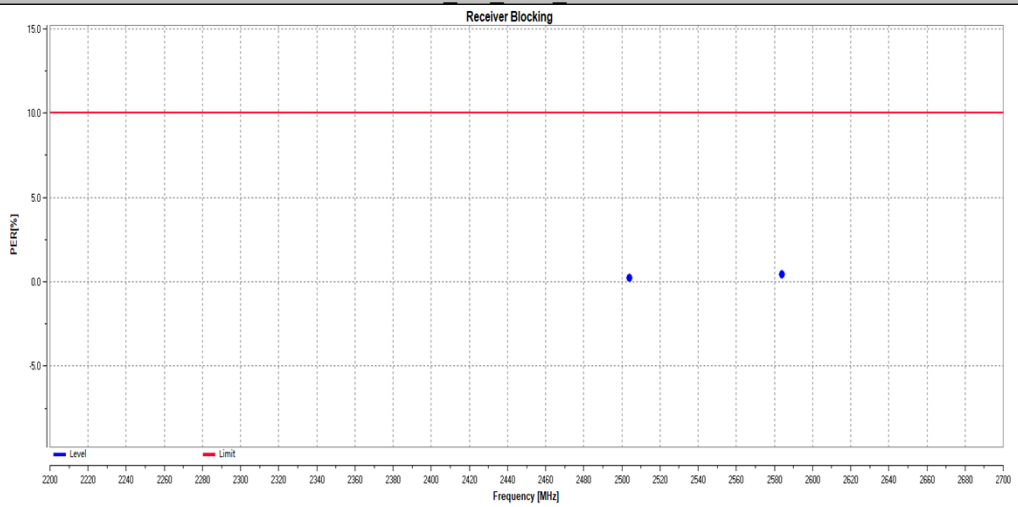
f/MHz	2504	2584
PER	0.90	0.80

BLE_2M_Ant1_2404



f/MHz	2400	2480
PER	0.50	0.30

BLE_2M_Ant1_2478



f/MHz	2504	2584
PER	0.20	0.40