



RADIO TEST REPORT

Applicant	:	XGIMI Technology Co., Ltd
Address of Applicant	:	Building No.4, Zone A, No.1129, Shijicheng Road, Chengdu High-tech Zone, Sichuan Pilot Free Trade Zone, China
Manufacturer	:	XGIMI Technology Co., Ltd
Address of Manufacturer	:	Building No.4, Zone A, No.1129, Shijicheng Road, Chengdu High-tech Zone, Sichuan Pilot Free Trade Zone, China
Equipment under Test	:	Projector
Model No.	:	XR03B, XR06B
Test Standard(s)	:	EN 300 328 V2.2.2 (2019-07)
Report No.	:	DDT-RE25090923-2E01
Issue Date	:	2026/01/30
Issued By	:	Guangdong Dongdian Testing Service Co., Ltd. Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808

REPORT

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Test Report Declare

Applicant	:	XGIMI Technology Co., Ltd
Address of Applicant	:	Building No.4, Zone A, No.1129, Shijicheng Road, Chengdu High-tech Zone,Sichuan Pilot Free Trade Zone,China
Equipment under Test	:	Projector
Model No.	:	XR03B, XR06B
Manufacturer	:	XGIMI Technology Co., Ltd
Address of Manufacturer	:	Building No.4, Zone A, No.1129, Shijicheng Road, Chengdu High-tech Zone, Sichuan Pilot Free Trade Zone,China

Test Standard Used:

EN 300 328 V2.2.2 (2019-07)

We Declare:

The equipment described above is tested by Guangdong Dongdian Testing Service Co., Ltd. and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and Guangdong Dongdian Testing Service Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

Report No.:	DDT-RE25090923-2E01		
Date of Receipt:	2025/09/01	Date of Test:	2025/09/03 - 2025/12/12

Created: Jacky Huang	Reviewed: Johnson Huang	Approved: Damon Hu
		
2025/12/12	2026/01/30	2026/01/30

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Guangdong Dongdian Testing Service Co., Ltd.

Revision History

Version	Revision Content	Issue Date	Approved
V0	Initial issue	2026/01/30	Damon Hu

1. Summary of Test Results

No.	Test Parameter	Clause No.	Condition	Result
1	RF output power	4.3.1.2 or 4.3.2.2	Apply all equipment	Pass
2	Power Spectral Density	4.3.2.3	Only for equipment using wide band modulations other than FHSS	Pass
3	Duty Cycle, Tx-Sequence, Tx-gap	4.3.1.3 or 4.3.2.4	Only for non-adaptive equipment	N/A
4	Accumulated Transmit time, Frequency Occupation & Hopping Sequence	4.3.1.4	Only for FHSS equipment	N/A
5	Hopping Frequency Separation	4.3.1.5	Only for FHSS	N/A
6	Medium Utilisation	4.3.1.6 or 4.3.2.5	Only for non-adaptive equipment	N/A
7	Adaptive	4.3.1.7 or 4.3.2.6	Only for adaptive equipment	N/A
8	Occupied Channel Bandwidth	4.3.1.8 or 4.3.2.7	Apply all equipment	Pass
9	Transmitter unwanted emissions in the OOB domain	4.3.1.9 or 4.3.2.8	Apply all equipment	Pass
10	Transmitter unwanted emissions in the spurious domain	4.3.1.10 or 4.3.2.9	Apply all equipment	Pass
11	Receiver spurious emissions	4.3.1.11 or 4.3.2.10	Apply all equipment	Pass
12	Receiver Blocking	4.3.1.12 or 4.3.2.11	Apply all equipment	Pass
13	Geo-location capability	4.3.1.13 or 4.3.2.12	Only for equipment with geo-location capability	N/A
Note: N/A is an abbreviation for Not Applicable, and means this item is not applicable for this device or no need to test according to standard.				

2. General Test Information

2.1. Description of EUT

EUT Name	: Projector
Model Number	: XR03B, XR06B
Difference of model number	: Both models listed in the test report are identical except for different model name, internal DC fans, laser module and main board with a few differences. The test model is XR03B (worst case).
EUT Function Description	: Please reference user manual of this device
Power Supply	: AC 100-240V/50/60Hz
Antenna Type	: FPC antenna
Max Antenna Gain (dBi)	: 4.72

Radio Specification	: Bluetooth LE
Operation Frequency	: 2402 MHz to 2480 MHz
Modulation	: GFSK
Rate	: 1 Mbps, 2 Mbps

Bluetooth LE 1Mbps Channel information					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	14	2430	28	2458
1	2404	15	2432	29	2460
2	2406	16	2434	30	2462
3	2408	17	2436	31	2464
4	2410	18	2438	32	2466
5	2412	19	2440	33	2468
6	2414	20	2442	34	2470
7	2416	21	2444	35	2472
8	2418	22	2446	36	2474
9	2420	23	2448	37	2476
10	2422	24	2450	38	2478
11	2424	25	2452	39	2480
12	2426	26	2454		
13	2428	27	2456		
Bluetooth LE 2Mbps Channel information					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	14	2430	28	2458
1	2404	15	2432	29	2460
2	2406	16	2434	30	2462

3	2408	17	2436	31	2464
4	2410	18	2438	32	2466
5	2412	19	2440	33	2468
6	2414	20	2442	34	2470
7	2416	21	2444	35	2472
8	2418	22	2446	36	2474
9	2420	23	2448	37	2476
10	2422	24	2450	38	2478
11	2424	25	2452	39	2480
12	2426	26	2454	/	
13	2428	27	2456	/	

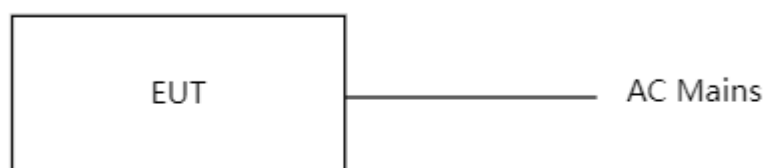
The channels denoted with the grey background are excluded, because they are primary advertising channel only for the Bluetooth LE 1Mbps according to the Bluetooth Core Specification.

Note: The above EUT information is declared by manufacturer and for more detailed features description please refer to the manufacturer's specifications or User's Manual. The above Antenna information is declared by manufacturer and for more detailed features description please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

2.2. Accessories of EUT

Accessories	Manufacturer	Model number	Description
/	/	/	/

2.3. Block diagram of EUT configuration for test



2.4. Decision of final test mode

According pre-test, the worst test modes were reported as below:

Test software: WCN_Combo_Tool_Setup_customer

The test software was used to control EUT work in Continuous Tx mode and Rx mode, and select test channel, wireless mode as below table.

The pathloss of external cable: 0.5dB (According to the manufacturer's claims)

Tested mode, Tx Power Setting, Channel, and Frequency			
Mode	Setting Tx Power	Channel	Frequency (MHz)
BLE_1M Tx mode	05	CH0	2402
	05	CH19	2440
	05	CH39	2480
BLE_2M Tx mode	05	CH1	2404
	05	CH19	2440
	05	CH38	2478
BLE_1M Rx mode	/	CH0	2402
	/	CH19	2440
	/	CH39	2480
BLE_2M Rx mode	/	CH1	2404
	/	CH19	2440
	/	CH38	2478

2.5. Deviations of test standard

No deviation.

2.6. Test environment conditions

During the measurement the environmental conditions were within the listed ranges:

/	Normal Conditions	Extreme Conditions
Temperature range	15 °C to 35 °C	0 °C to +40 °C
Humidity range	20% to 75%	N/A
Pressure range	86-106 kPa	N/A
Power supply	NV: AC 230V	N/A

Note 1: The Extreme temperature range and extreme voltages are declared by the manufacturer.

Note 2: NTV: Normal Temperature Normal Voltage, LTNV: Low Temperature Normal Voltage, HTNV: High Temperature Normal Voltage.

Note: The specific temperature and humidity information of each test item refers to the temperature and humidity record in the corresponding test data.

2.7. Test laboratory

Guangdong Dongdian Testing Service Co., Ltd.

Add.: Unit 2, Building 1, No. 17, Zongbu 2nd Road, Songshan Lake Park, Dongguan, Guangdong, China, 523808.

Tel.: +86-0769-38826678, <http://www.dgddt.com>, Email: ddt@dgddt.com.

CNAS Accreditation No. L6451; A2LA Accreditation Number: 3870.01

FCC Designation Number: CN1182, Test Firm Registration Number: 540522

Innovation, Science and Economic Development Canada Site Registration Number: 10288A

Conformity Assessment Body identifier: CN0048

VCCI facility registration number: C-20087, T-20088, R-20123, R-20240, G-20118

2.8. Measurement uncertainty

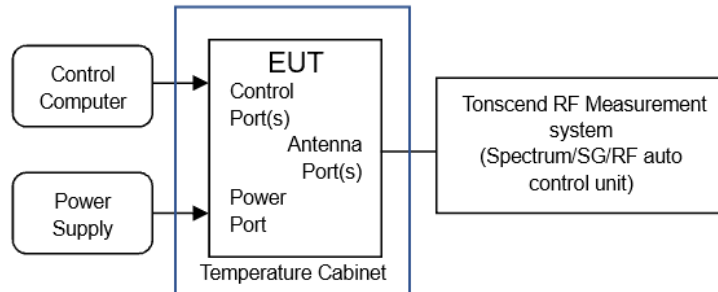
Test Item	Uncertainty
Bandwidth	1.1%
Peak Output Power (Conducted) (Spectrum analyzer)	0.86 dB (10 MHz $\leq$ f < 3.6 GHz);
	1.38 dB (3.6 GHz $\leq$ f < 8 GHz)
Peak Output Power (Conducted) (Power Sensor)	0.74 dB
Power Spectral Density	0.74 dB (10 MHz $\leq$ f < 3.6 GHz);
	1.38 dB (3.6 GHz $\leq$ f < 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 $\leq$ f < 3.6 GHz);
	1.40 dB (3.6 GHz $\leq$ f < 8 GHz)
	1.66 dB (8 GHz $\leq$ f < 26.5 GHz)
Uncertainty for radio frequency (RBW < 20 kHz)	3×10^{-8}
Temperature	0.4 °C
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. Equipment Used During Conductive Test

Equipment	Manufacturer	Model No.	Serial Number	Due Date	Cal. Interval
☑RF Connected Test (RF Measurement System 3#)					
SIGNAL ANALYZER	R&S	FSV40	101407	2026/07/06	1 Year
Wideband Radio Communication Tester	R&S	CMW500	117491	2026/03/28	1 Year
EXG Analog Signal Generator	KEYSIGHT	N5173B	MY62153058	2026/07/06	1 Year
MXG Vector Signal Generator	Agilent	N5182A	MY48180912	2026/03/28	1 Year
RF Control Unit	Tonscend	JS0806-2	20C8060230	2026/03/28	1 Year
TEMP&HUMI Programmable Chamber	ZHIXIANG	ZXGDJS-150L	ZX170110-A	2026/03/28	1 Year
Test Software	Tonscend	JS1120-3	V3.6.21	N/A	N/A

4. RF Output Power

4.1. Block diagram of test setup



4.2. Limits

The maximum RF output power for adaptive Frequency Hopping equipment shall be equal to or less than 20 dBm.

The maximum RF output power for this equipment shall be equal to or less than the value declared by the manufacturer. This declared value shall be equal to or less than 20 dBm.

This limit shall apply for any combination of power level and intended antenna assembly.

4.3. Test procedure

- (1) The test according to EN 300 328 V2.2.2 Clause 5.4.2.2.1.
- (2) Connect EUT's antenna output to power sensor by RF cable, the path loss was compensated to the results.
- (3) For adaptive equipment, the measurement duration shall be long enough to ensure a minimum number of bursts (at least 10) is captured.
- (4) The measurement shall be repeated for the equipment being configured to operate at the lowest, the middle, and the highest frequency of the stated frequency range. These frequencies shall be recorded.
- (5) The measurements for RF output power shall be performed at both normal environmental conditions and at the extremes of the operating temperature range.

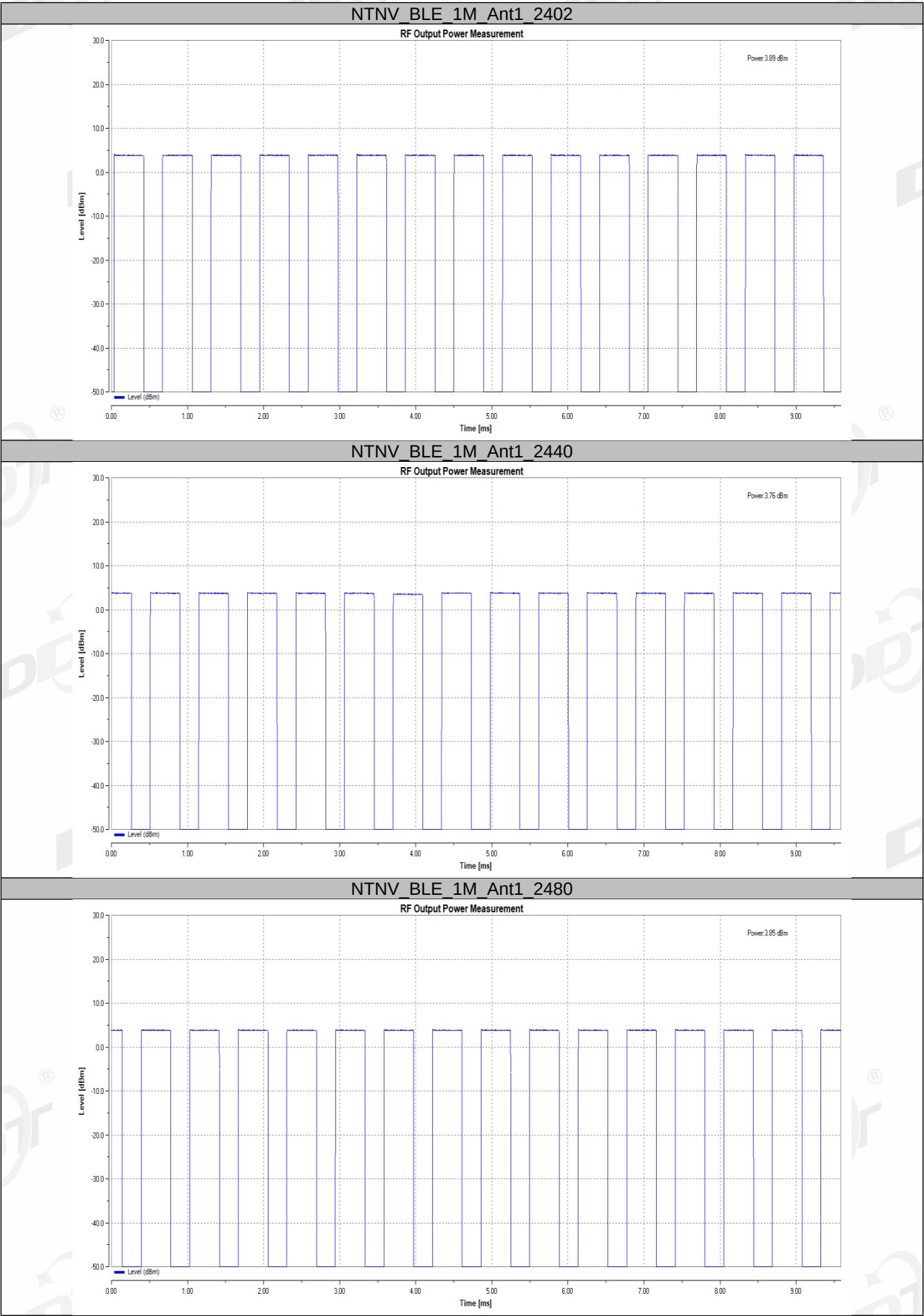
4.4. Test result

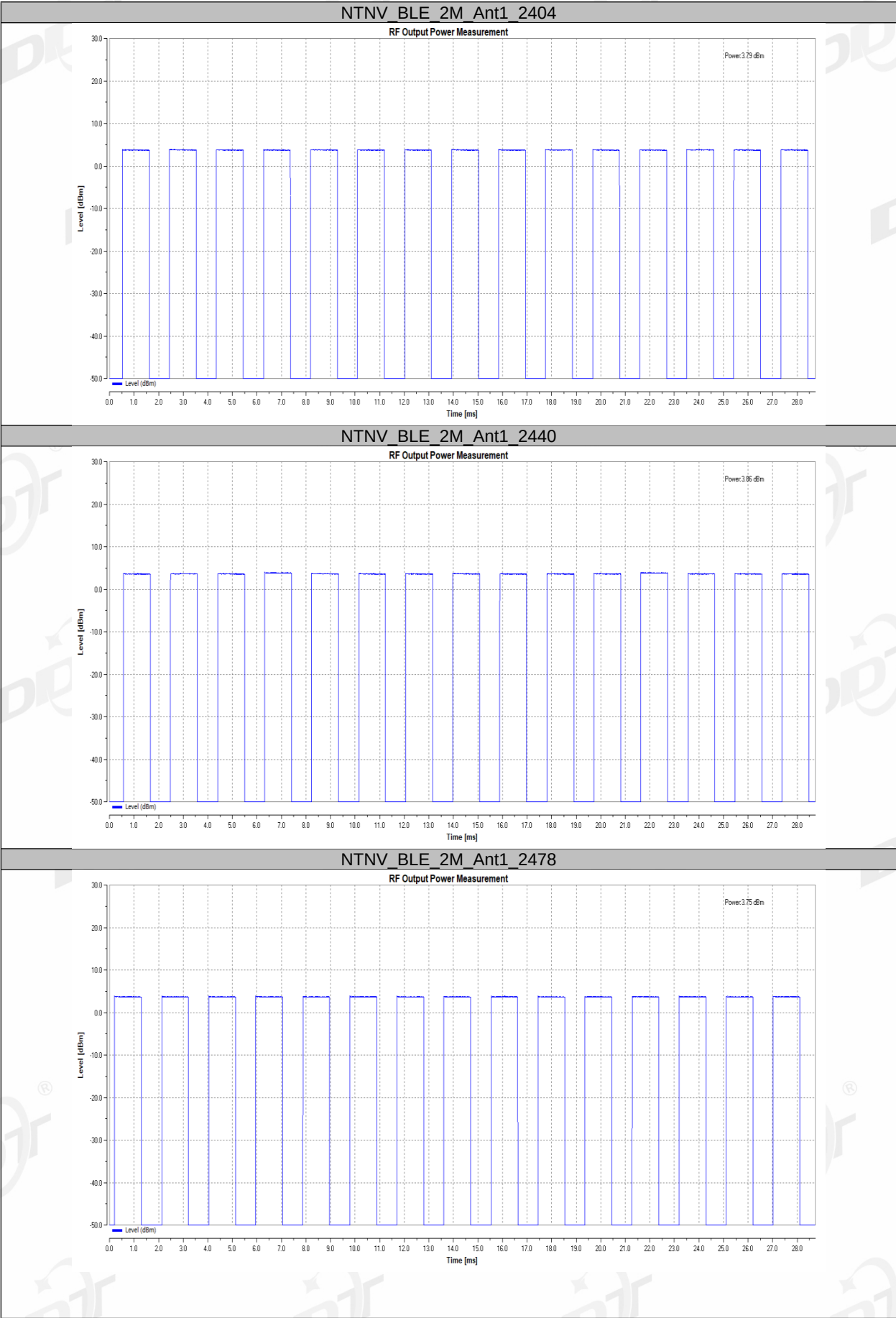
Test Engineer:	Tyang	Test Site:	RF Measurement System 3#
Ambient Condition:	25.6℃,38.5%RH	Test Date:	2025.12.03-2025.12.12
Test Power Supply:	AC 230V	Sample Number:	S25090923-004

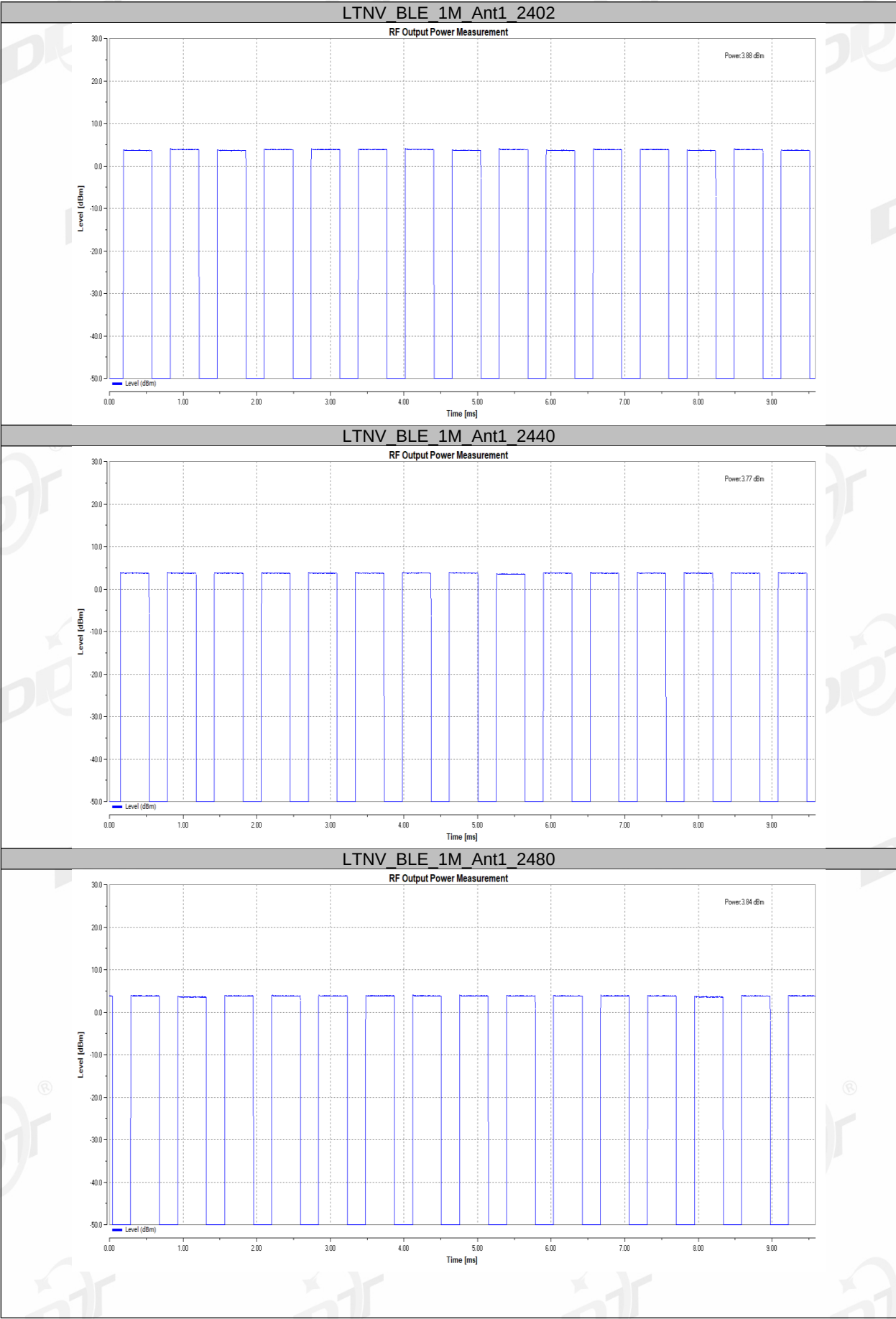
Test Condition	Test Mode	Antenna	Frequency [MHz]	Burst Power [dBm]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
NTNV	BLE_1M	Ant1	2402	3.89	8.61	20	PASS
			2440	3.76	8.48	20	PASS
			2480	3.85	8.57	20	PASS
	BLE_2M	Ant1	2404	3.79	8.51	20	PASS
			2440	3.86	8.58	20	PASS
			2478	3.75	8.47	20	PASS
LTVN	BLE_1M	Ant1	2402	3.88	8.60	20	PASS
			2440	3.77	8.49	20	PASS
			2480	3.84	8.56	20	PASS
	BLE_2M	Ant1	2404	3.79	8.51	20	PASS
			2440	3.88	8.60	20	PASS
			2478	4.00	8.72	20	PASS
HTNV	BLE_1M	Ant1	2402	3.87	8.59	20	PASS
			2440	3.78	8.50	20	PASS
			2480	3.84	8.56	20	PASS
	BLE_2M	Ant1	2404	3.79	8.51	20	PASS
			2440	3.87	8.59	20	PASS
			2478	3.75	8.47	20	PASS

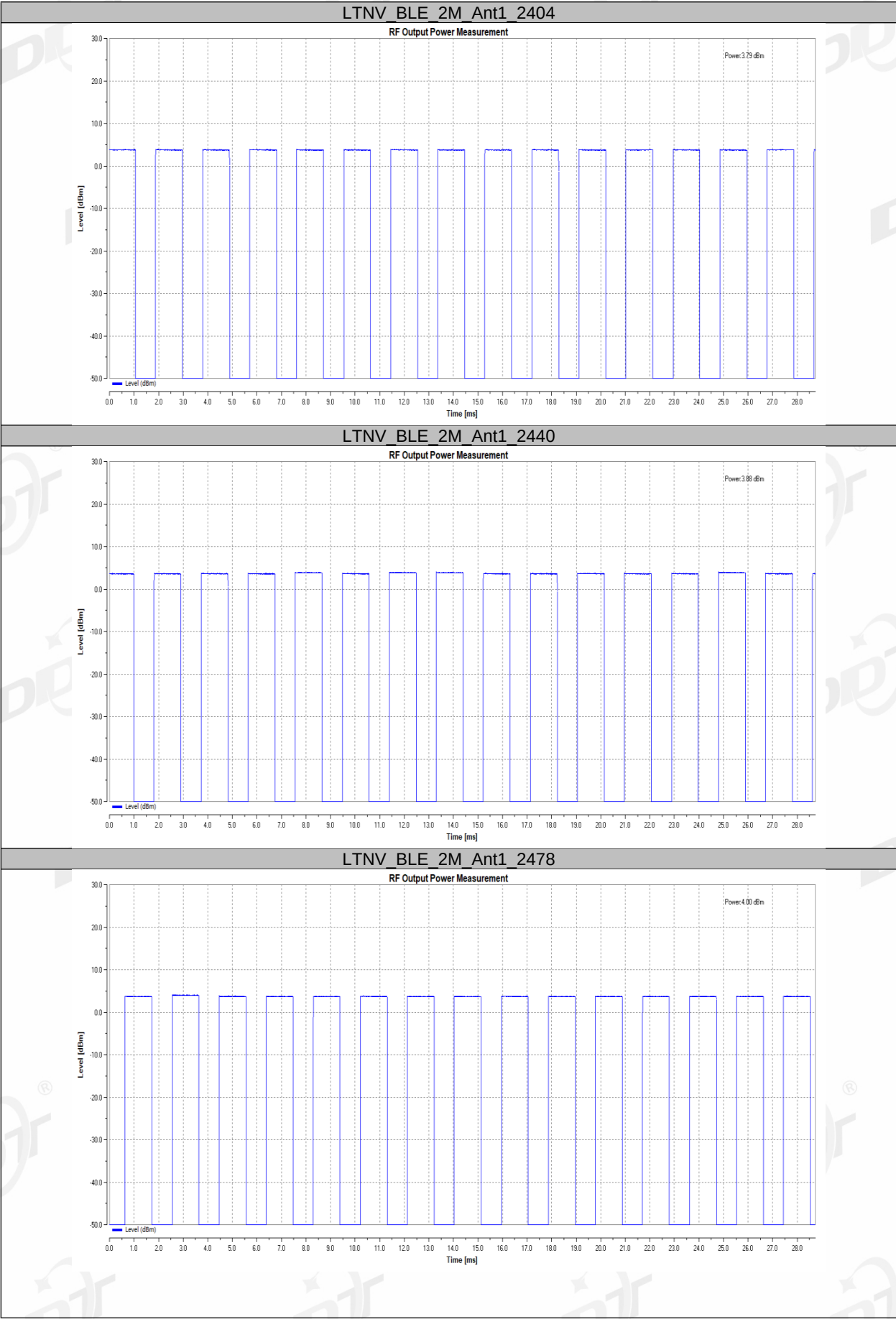
Note: EIRP = Measured Highest Pburst Values + Antenna Gain

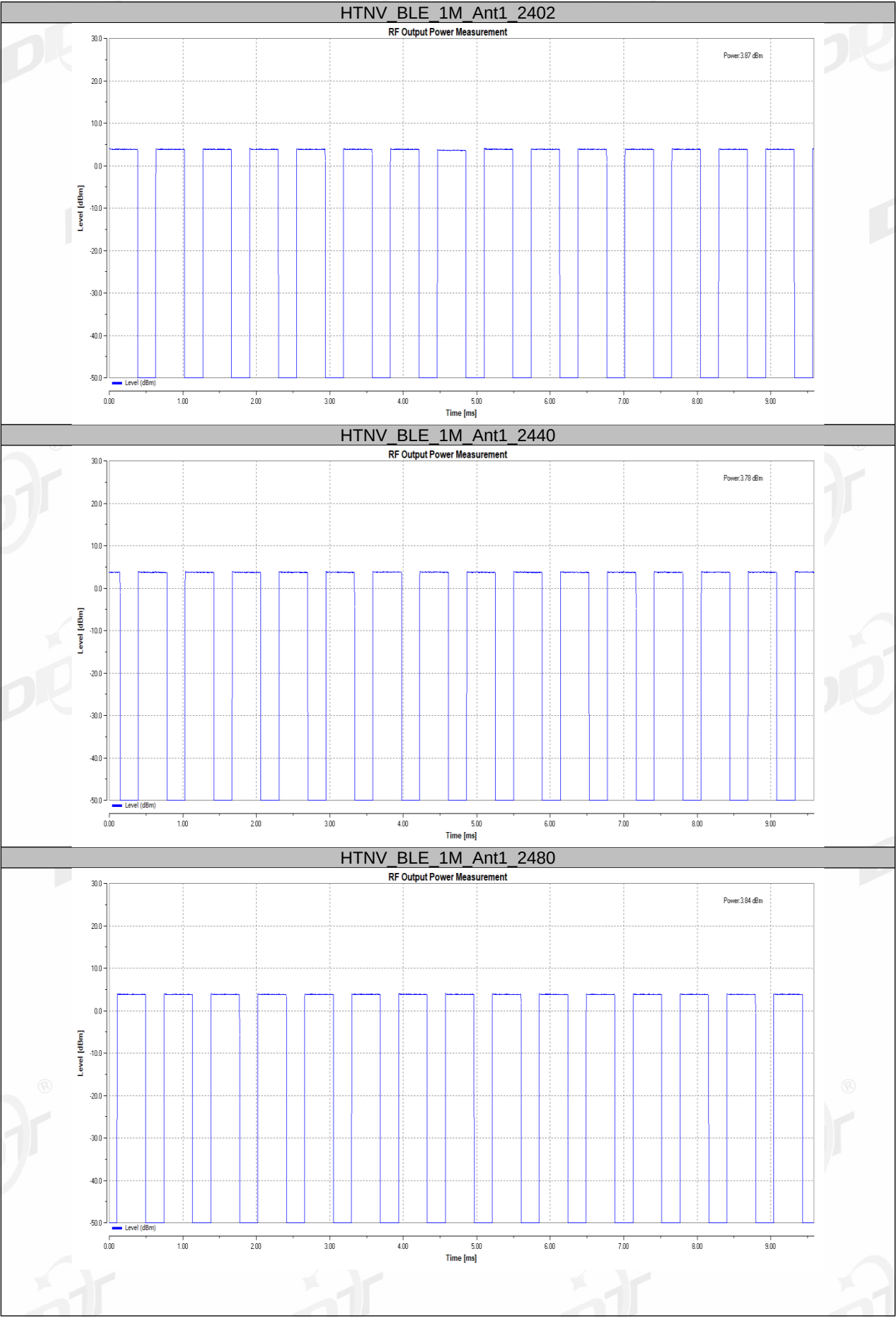
4.5. Test graphs

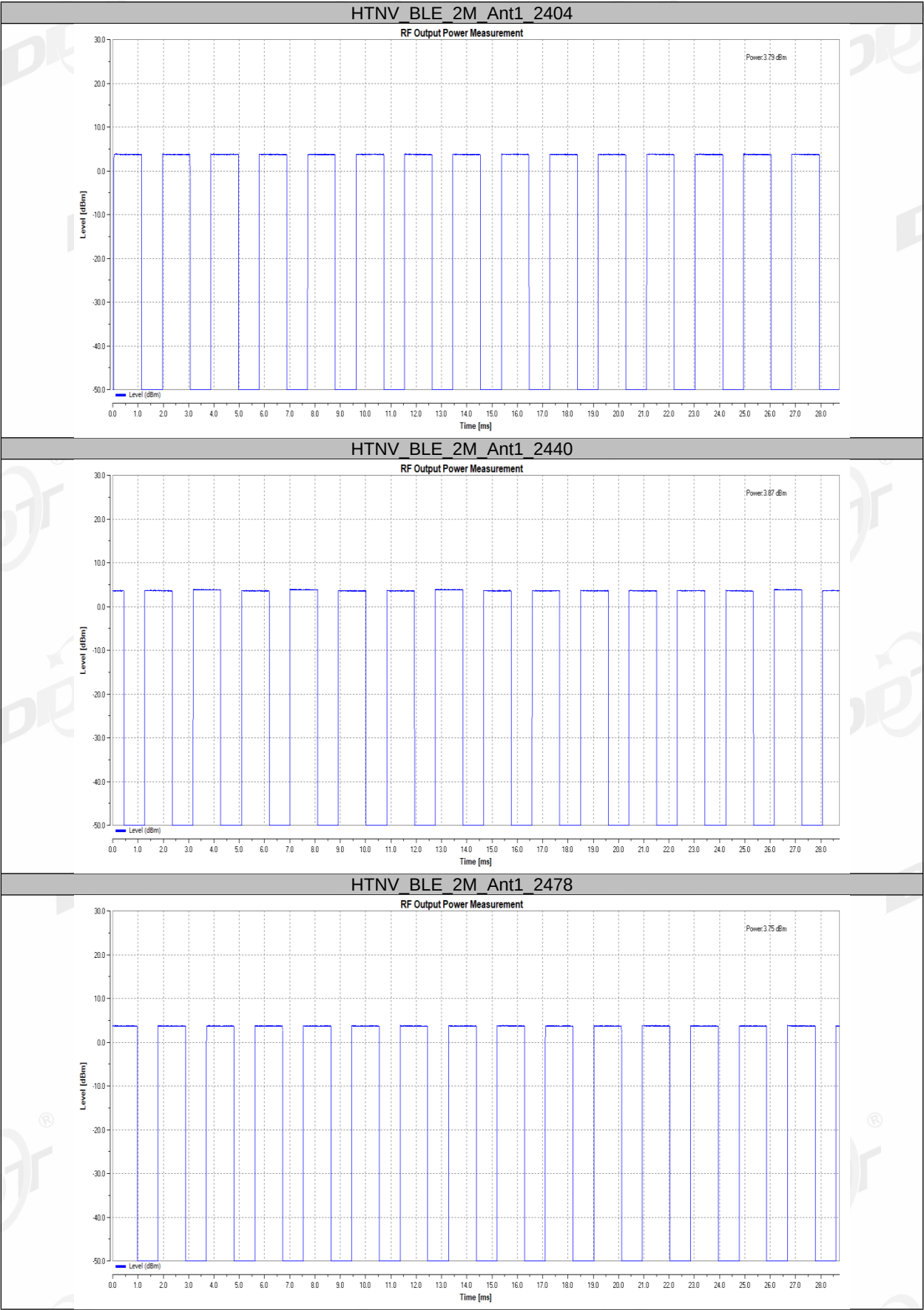






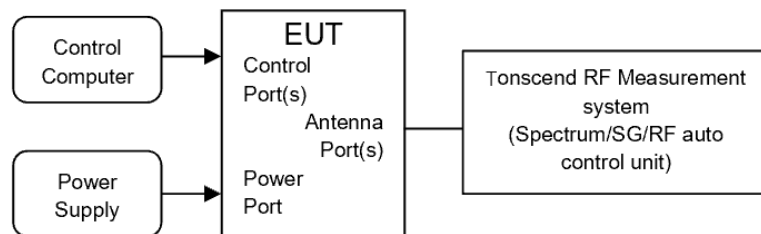






5. Power Spectral Density

5.1. Block diagram of test setup



5.2. Limits

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 10 dBm per MHz band during any time interval of continuous transmission.

5.3. Test procedure

- (1) The test according to EN 300 328 V2.2.2 Clause 5.4.3.2.1.
- (2) Connect EUT's antenna output to spectrum analyzer by RF cable, the path loss was compensated to the results.
- (3) The measurement shall be repeated for the equipment being configured to operate at the lowest, the middle, and the highest frequency of the stated frequency range. These frequencies shall be recorded.
- (4) Set the spectrum analyzer as follows:

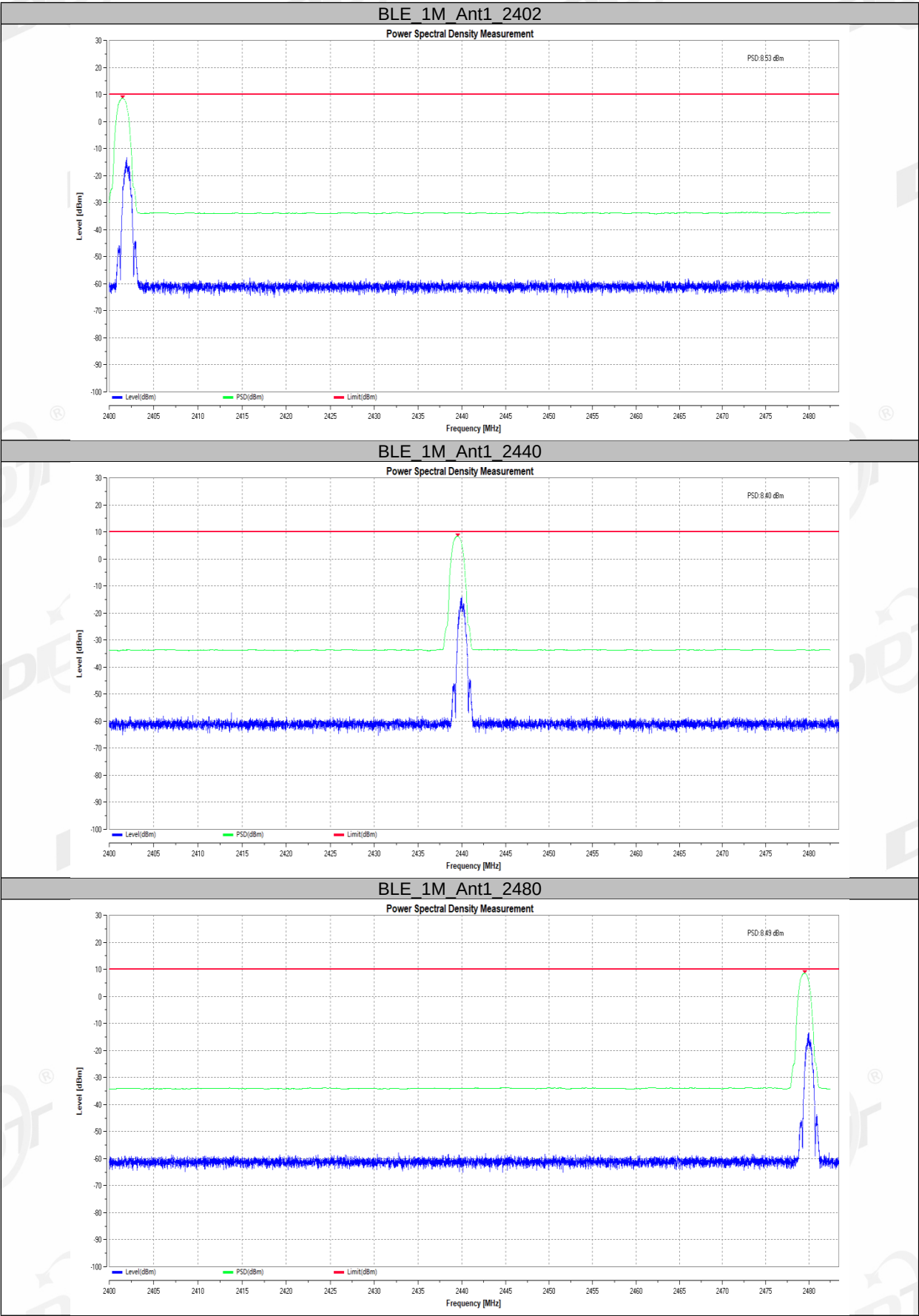
Start Frequency:	2 400 MHz
Stop Frequency:	2 483.5 MHz
RBW:	10 kHz
VBW:	30 kHz
Detector Mode:	RMS
Sweep Points:	> 8 350
Sweep time:	10 s
Trace mode	Max hold

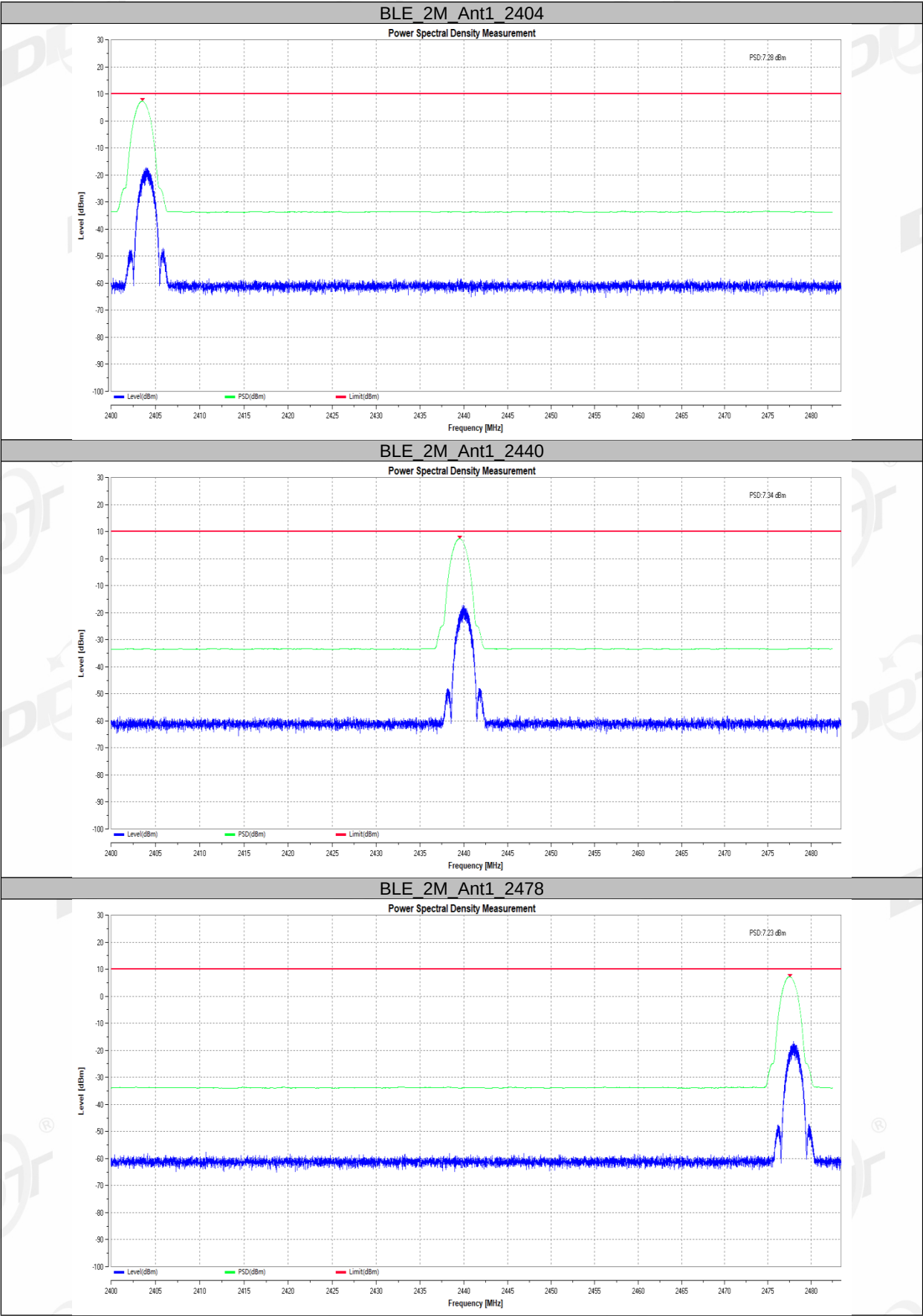
5.4. Test result

Test Engineer:	Tyang	Test Site:	RF Measurement System 3#
Ambient Condition:	25.6℃, 38.5%RH	Test Date:	2025.12.03-2025.12.12
Test Power Supply:	AC 230V	Sample Number:	S25090923-004

Test Mode	Antenna	Frequency [MHz]	EIRP PSD [dBm/MHz]	Limit [dBm/MHz]	Verdict
BLE_1M	Ant1	2402	8.53	10	PASS
		2440	8.40	10	PASS
		2480	8.49	10	PASS
BLE_2M	Ant1	2404	7.28	10	PASS
		2440	7.34	10	PASS
		2478	7.23	10	PASS

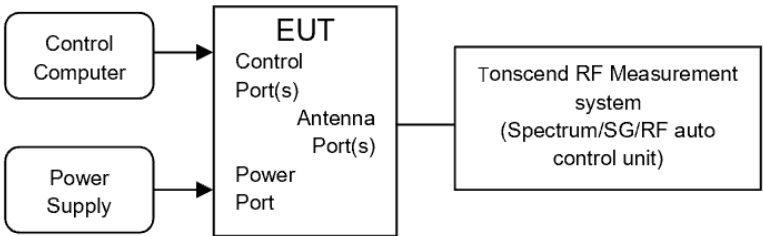
5.5. Test graphs





6. Occupied Channel Bandwidth

6.1. Block diagram of test setup



6.2. Limits

The Occupied Channel Bandwidth for each hopping frequency shall fall completely within the band 2400 MHz to 2483.5 MHz for this device.

6.3. Test procedure

- (1) The test according to EN 300 328 V2.2.2 Clause 5.4.7.2.1.
- (2) Connect EUT's antenna output to spectrum analyzer by RF cable, the path loss was compensated to the results.
- (3) The measurement shall be performed only on the lowest and the highest frequency within the stated frequency range.
- (4) Set the spectrum analyzer as follows:

Centre Frequency:	The centre frequency of the channel under test
Frequency Span:	2 ×Nominal Channel Bandwidth
RBW:	~ 1 % of the span without going below 1 %
VBW:	3 × RBW
Detector Mode:	RMS
Sweep time:	1 s
Trace Mode:	Max Hold

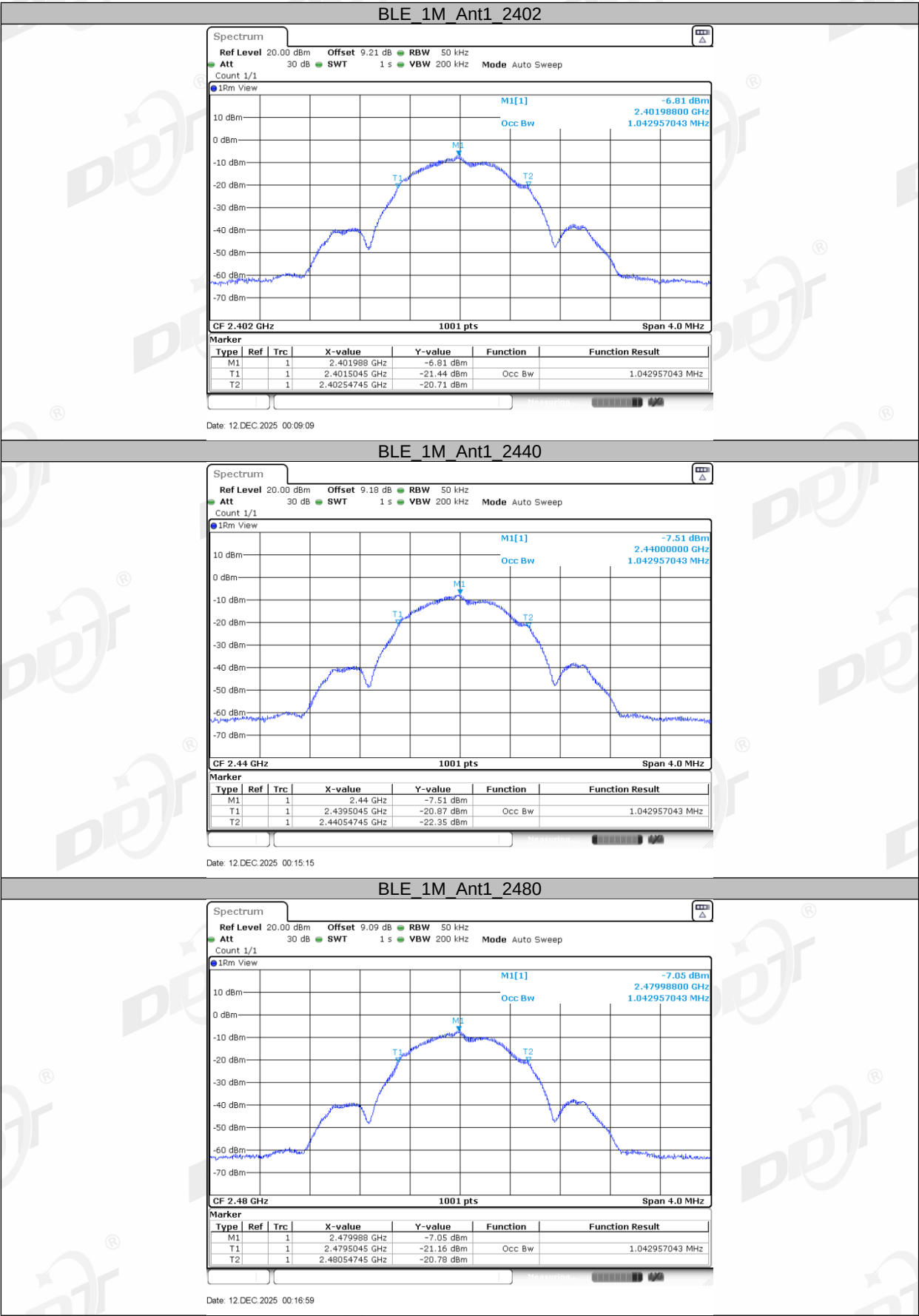
- (5) When the trace has completed, Use the 99% bandwidth function of the spectrum analyzer to measure the Occupied channel bandwidth of the EUT.

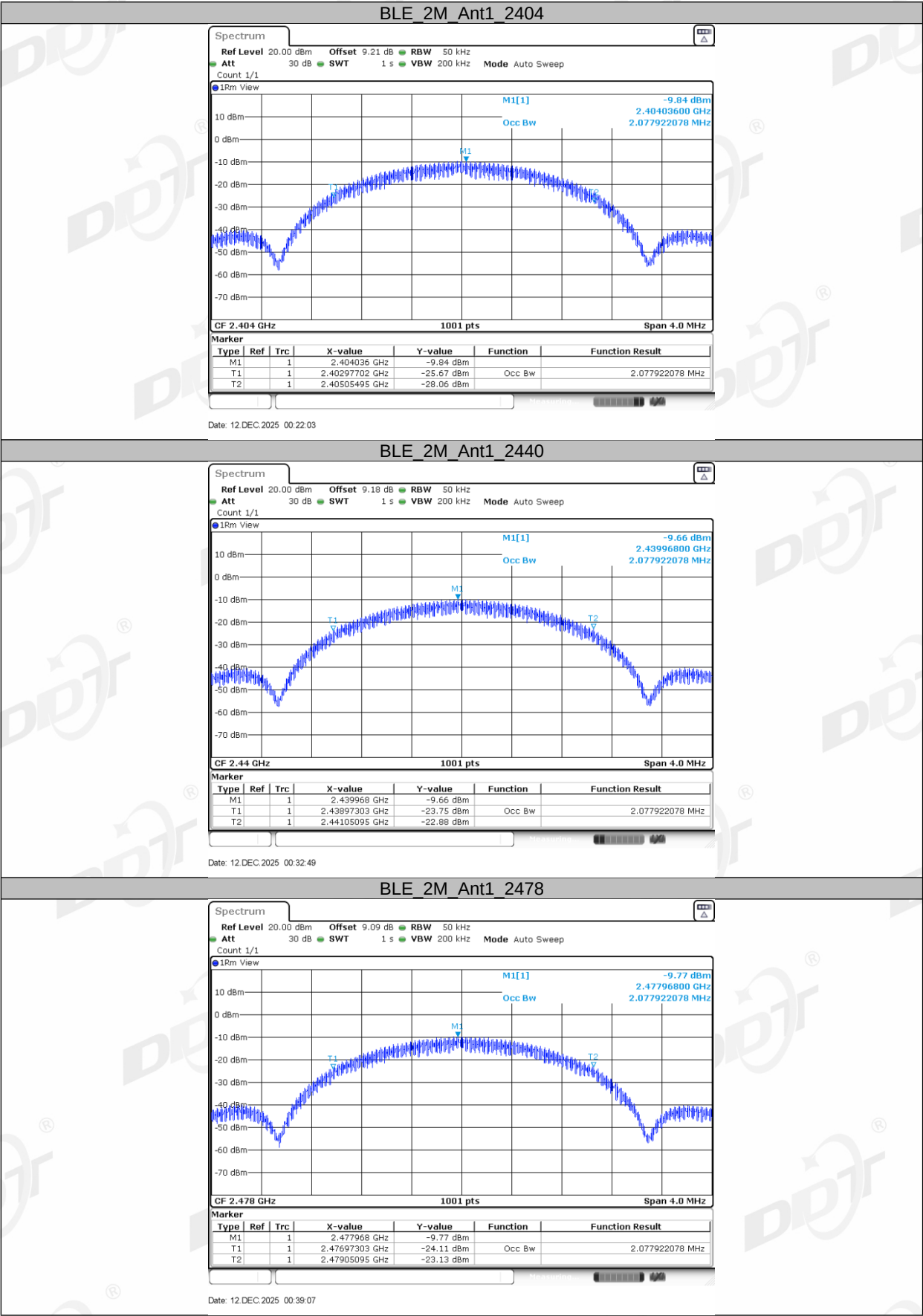
6.4. Test result

Test Engineer:	Tyang	Test Site:	RF Measurement System 3#
Ambient Condition:	25.6℃, 38.5%RH	Test Date:	2025.12.03-2025.12.12
Test Power Supply:	AC 230V	Sample Number:	S25090923-004

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
BLE_1M	Ant1	2402	1.0430	2401.5045	2402.5475	2400 to 2483.5	PASS
		2440	1.0430	2439.5045	2440.5475	2400 to 2483.5	PASS
		2480	1.0430	2479.5045	2480.5475	2400 to 2483.5	PASS
BLE_2M	Ant1	2404	2.0779	2402.9770	2405.0549	2400 to 2483.5	PASS
		2440	2.0779	2438.9730	2441.0509	2400 to 2483.5	PASS
		2478	2.0779	2476.9730	2479.0509	2400 to 2483.5	PASS

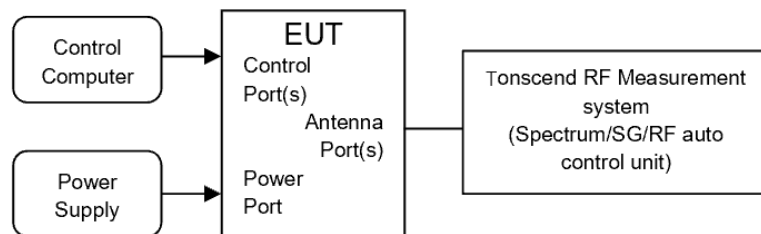
6.5. Test graphs





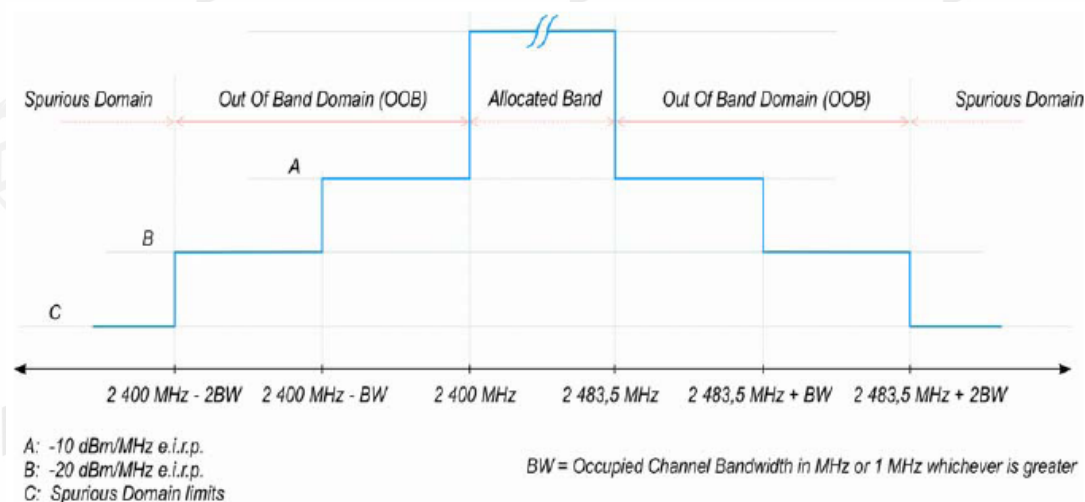
7. Transmitter Unwanted Emissions in The Out-of-band Domain

7.1. Block diagram of test setup



7.2. Limits

The transmitter unwanted emissions in the out-of-band domain but outside the allocated band, shall not exceed the values provided by the mask below:



7.3. Test procedure

- (1) The test according to EN 300 328 V2.2.2 Clause 5.4.8.2.1.
- (2) Connect EUT's antenna output to spectrum analyzer by RF cable, the path loss was compensated to the results.
- (3) For non-FHSS equipment, the measurement shall be performed at the lowest and the highest channel on which the equipment can operate. These operating channels shall be recorded.

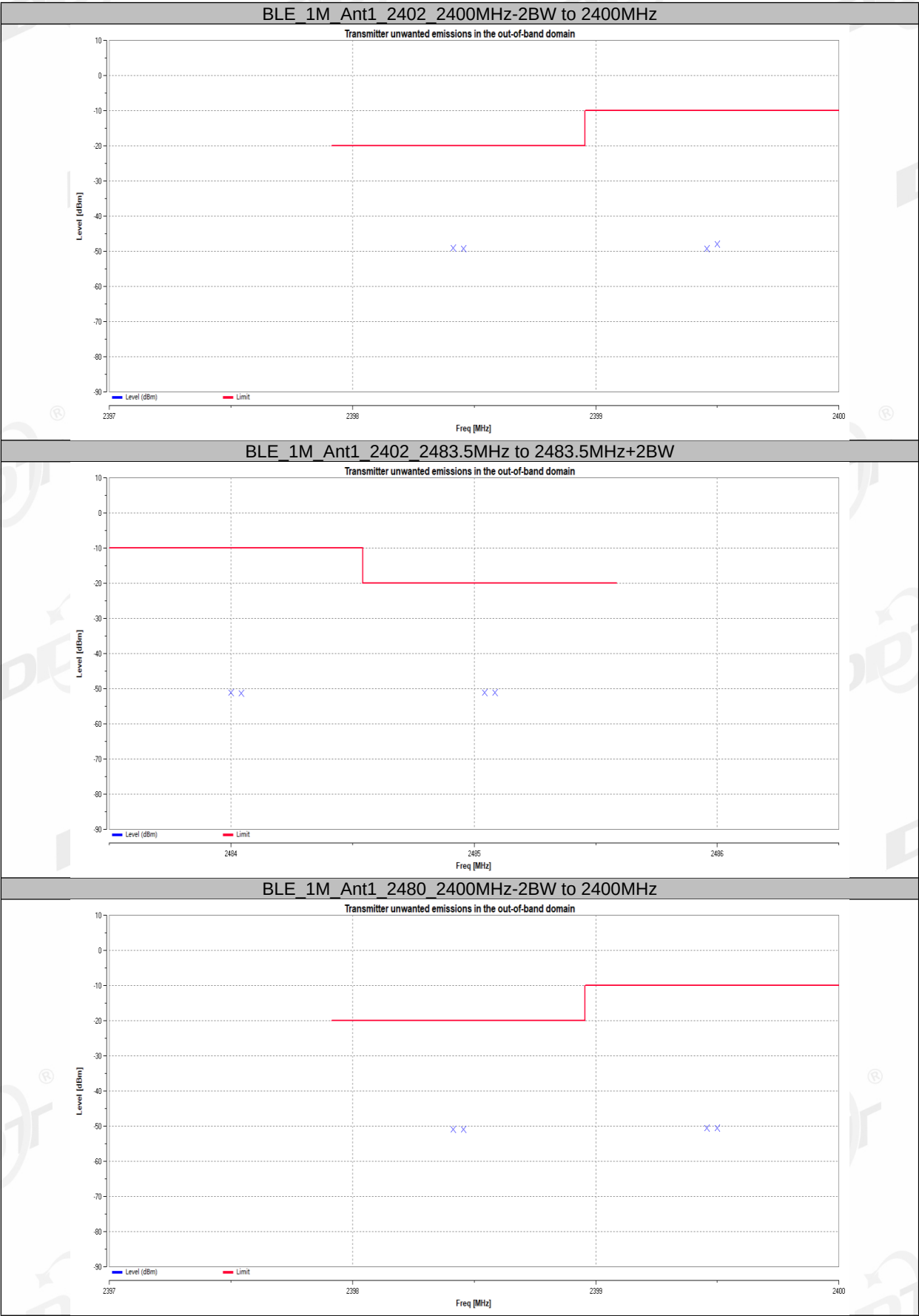
7.4. Test result

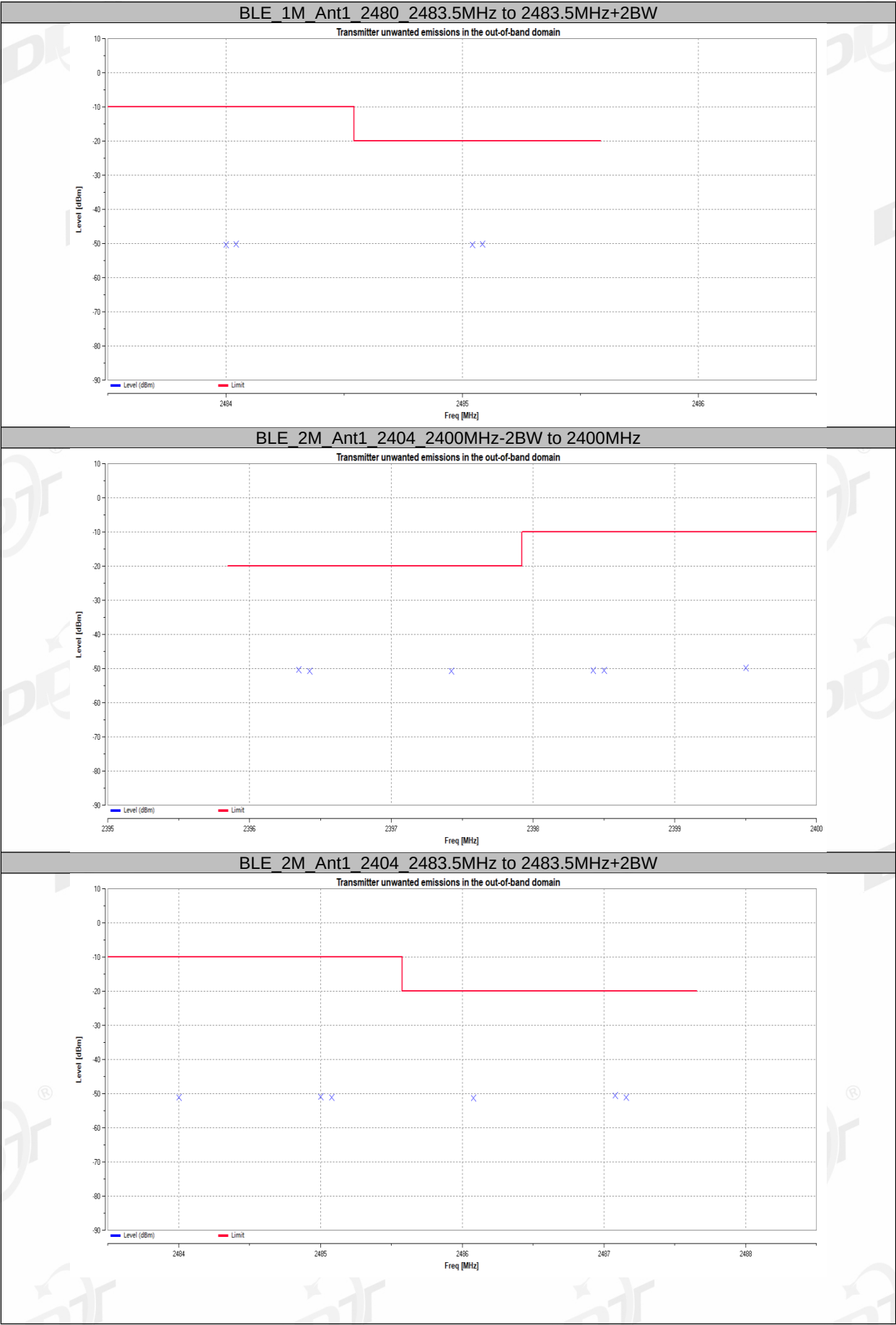
Test Engineer:	Tyang	Test Site:	RF Measurement System 3#
Ambient Condition:	25.6℃, 38.5%RH	Test Date:	2025.12.03-2025.12.12
Test Power Supply:	AC 230V	Sample Number:	S25090923-004

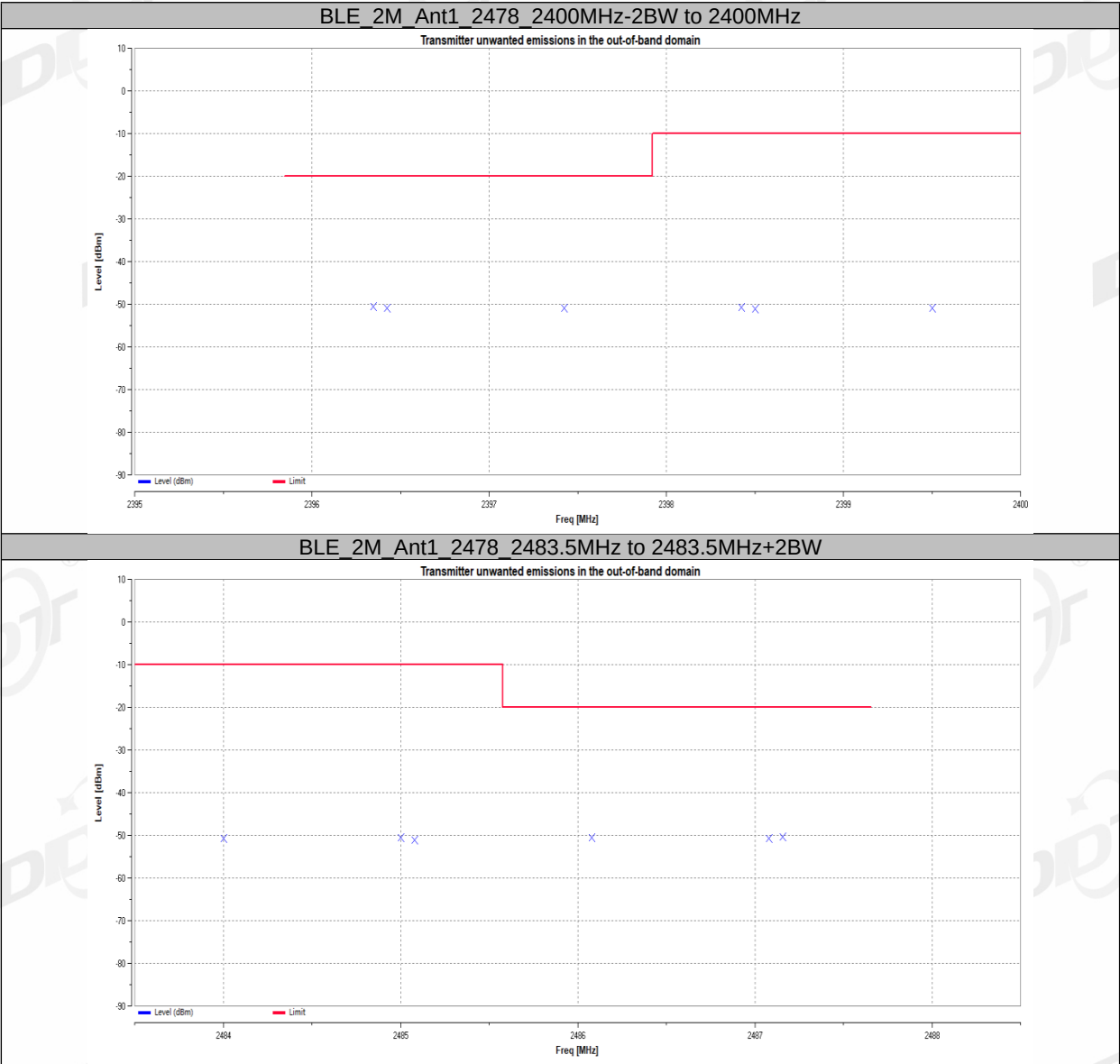
Test Mode	Antenna	Frequency [MHz]	Frequency [MHz]	Level [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	2398.414	-49.02	-20.00	PASS
			2398.457	-49.25	-20.00	PASS
			2399.457	-49.29	-10.00	PASS
			2399.5	-47.97	-10.00	PASS
			2484	-51.18	-10.00	PASS
			2484.043	-51.22	-10.00	PASS
			2485.043	-51.08	-20.00	PASS
			2485.086	-51.11	-20.00	PASS
		2480	2398.414	-50.98	-20.00	PASS
			2398.457	-50.97	-20.00	PASS
			2399.457	-50.50	-10.00	PASS
			2399.5	-50.57	-10.00	PASS
			2484	-50.45	-10.00	PASS
			2484.043	-50.14	-10.00	PASS
			2485.043	-50.42	-20.00	PASS
			2485.086	-50.19	-20.00	PASS
BLE_2M	Ant1	2404	2396.3442	-50.46	-20.00	PASS
			2396.4221	-50.65	-20.00	PASS
			2397.4221	-50.70	-20.00	PASS
			2398.4221	-50.53	-10.00	PASS
			2398.5	-50.54	-10.00	PASS

			2399.5	-49.82	-10.00	PASS
			2484	-51.11	-10.00	PASS
			2485	-50.84	-10.00	PASS
			2485.0779	-51.17	-10.00	PASS
			2486.0779	-51.35	-20.00	PASS
			2487.0779	-50.53	-20.00	PASS
			2487.1558	-51.05	-20.00	PASS
		2478	2396.3442	-50.61	-20.00	PASS
			2396.4221	-50.90	-20.00	PASS
			2397.4221	-51.00	-20.00	PASS
			2398.4221	-50.72	-10.00	PASS
			2398.5	-51.13	-10.00	PASS
			2399.5	-50.97	-10.00	PASS
			2484	-50.80	-10.00	PASS
			2485	-50.64	-10.00	PASS
			2485.0779	-51.05	-10.00	PASS
			2486.0779	-50.49	-20.00	PASS
			2487.0779	-50.68	-20.00	PASS
			2487.1558	-50.44	-20.00	PASS

7.5. Test graphs

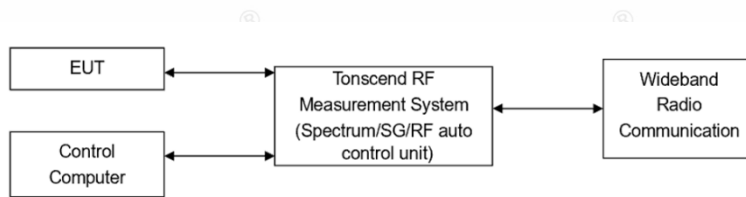






8. Receiver Blocking

8.1. Block diagram of test setup



8.2. Limits

This EUT belongs to:

☐ Receiver category 1

The following equipment shall be categorized as receiver category 1 equipment:

- Adaptive equipment with a maximum RF output power greater than 10 dBm e.i.r.p.

NOTE: Non-adaptive equipment is categorized as receiver category 2 or receiver category 3.

☒ Receiver category 2

The following equipment shall be categorized as receiver category 2 equipment:

- non-adaptive equipment with a Medium Utilization (MU) factor greater than 1 % and less than or equal to 10 % (irrespective of the maximum RF output power); or
- equipment (adaptive or non-adaptive) with a maximum RF output power greater than 0 dBm e.i.r.p. and less than or equal to 10 dBm e.i.r.p.

☐ Receiver category 3

The following equipment shall be categorized as receiver category 3 equipment:

- non-adaptive equipment with a maximum Medium Utilization (MU) factor of 1 % (irrespective of the maximum RF output power); or
- equipment (adaptive or non-adaptive) with a maximum RF output power of 0 dBm e.i.r.p.

Table 14: Receiver Blocking parameters for Receiver Category 1 equipment

Wanted signal mean power from companion device (dBm) (see notes 1 and 4)	Blocking signal frequency (MHz)	Blocking signal power (dBm) (see note 4)	Type of blocking signal
(-133 dBm + 10 × log10(OCBW)) or -68 dBm whichever is less (see note 2)	2380 2504	-34	CW
(-139 dBm + 10 × log10(OCBW)) or -74 dBm whichever is less (see note 3)	2300 2330 2360 2524 2584 2674		

NOTE 1: OCBW is in Hz.

NOTE 2: In case of radiated measurements using a companion device and the level of the wanted signal from the companion device cannot be determined, a relative test may be performed using a wanted signal up to $P_{\min} + 26$ dB where $P_{\min}$ is the minimum level of wanted signal required to meet the minimum performance criteria as defined in clause 4.3.1.12.3 in the absence of any blocking signal.

NOTE 3: In case of radiated measurements using a companion device and the level of the wanted signal from the companion device cannot be determined, a relative test may be performed using a wanted signal up to $P_{\min} + 20$ dB where $P_{\min}$ is the minimum level of wanted signal required to meet the minimum performance criteria as defined in clause 4.3.1.12.3 in the absence of any blocking signal.

NOTE 4: The level specified is the level at the UUT receiver input assuming a 0 dBi antenna assembly gain. In case of conducted measurements, this level has to be corrected for the (in-band) antenna assembly gain (G). In case of radiated measurements, this level is equivalent to a power flux density (PFD) in front of the UUT antenna with the UUT being configured/positioned as recorded in clause 5.4.3.2.2.

Table 15: Receiver Blocking parameters receiver Category 2 equipment

Wanted signal mean power from companion device (dBm) (see notes 1 and 3)	Blocking signal frequency (MHz)	Blocking signal power (dBm) (see note 3)	Type of blocking signal
$(-139 \text{ dBm} + 10 \times \log_{10}(\text{OCBW}) + 10 \text{ dB})$ or $(-74 \text{ dBm} + 10 \text{ dB})$ whichever is less (see note 2)	2380 2504 2300 2584	-34	CW
NOTE 1: OCBW is in Hz. NOTE 2: In case of radiated measurements using a companion device and the level of the wanted signal from the companion device cannot be determined, a relative the test may be performed using a wanted signal up to $P_{\min} + 30 \text{ dB}$ where $P_{\min}$ is the minimum level of wanted signal required to meet the minimum performance criteria as defined in clause 4.3.1.12.3 in the absence of any blocking signal. NOTE 3: The level specified is the level at the UUT receiver input assuming a 0 dBi antenna assembly gain. In case of conducted measurements, this level has to be corrected for the (in-band) antenna assembly gain (G). In case of radiated measurements, this level is equivalent to a power flux density (PFD) in front of the UUT antenna with the UUT being configured/positioned as recorded in clause 5.4.3.2.2.			

Table 16: Receiver Blocking parameters receiver Category 3 equipment

Wanted signal mean power from companion device (dBm) (see notes 1 and 3)	Blocking signal frequency (MHz)	Blocking signal power (dBm) (see note 3)	Type of blocking signal
$(-139 \text{ dBm} + 10 \times \log_{10}(\text{OCBW}) + 20 \text{ dB})$ or $(-74 \text{ dBm} + 20 \text{ dB})$ whichever is less (see note 2)	2380 2504 2300 2584	-34	CW
NOTE 1: OCBW is in Hz. NOTE 2: In case of radiated measurements using a companion device and the level of the wanted signal from the companion device cannot be determined, a relative the test may be performed using a wanted signal up to $P_{\min} + 30 \text{ dB}$ where $P_{\min}$ is the minimum level of wanted signal required to meet the minimum performance criteria as defined in clause 4.3.1.12.3 in the absence of any blocking signal. NOTE 3: The level specified is the level at the UUT receiver input assuming a 0 dBi antenna assembly gain. In case of conducted measurements, this level has to be corrected for the (in-band) antenna assembly gain (G). In case of radiated measurements, this level is equivalent to a power flux density (PFD) in front of the UUT antenna with the UUT being configured/positioned as recorded in clause 5.4.3.2.2.			

Performance Criteria:

The minimum performance criterion shall be a PER less than or equal to 10 %.

8.3. Test procedure

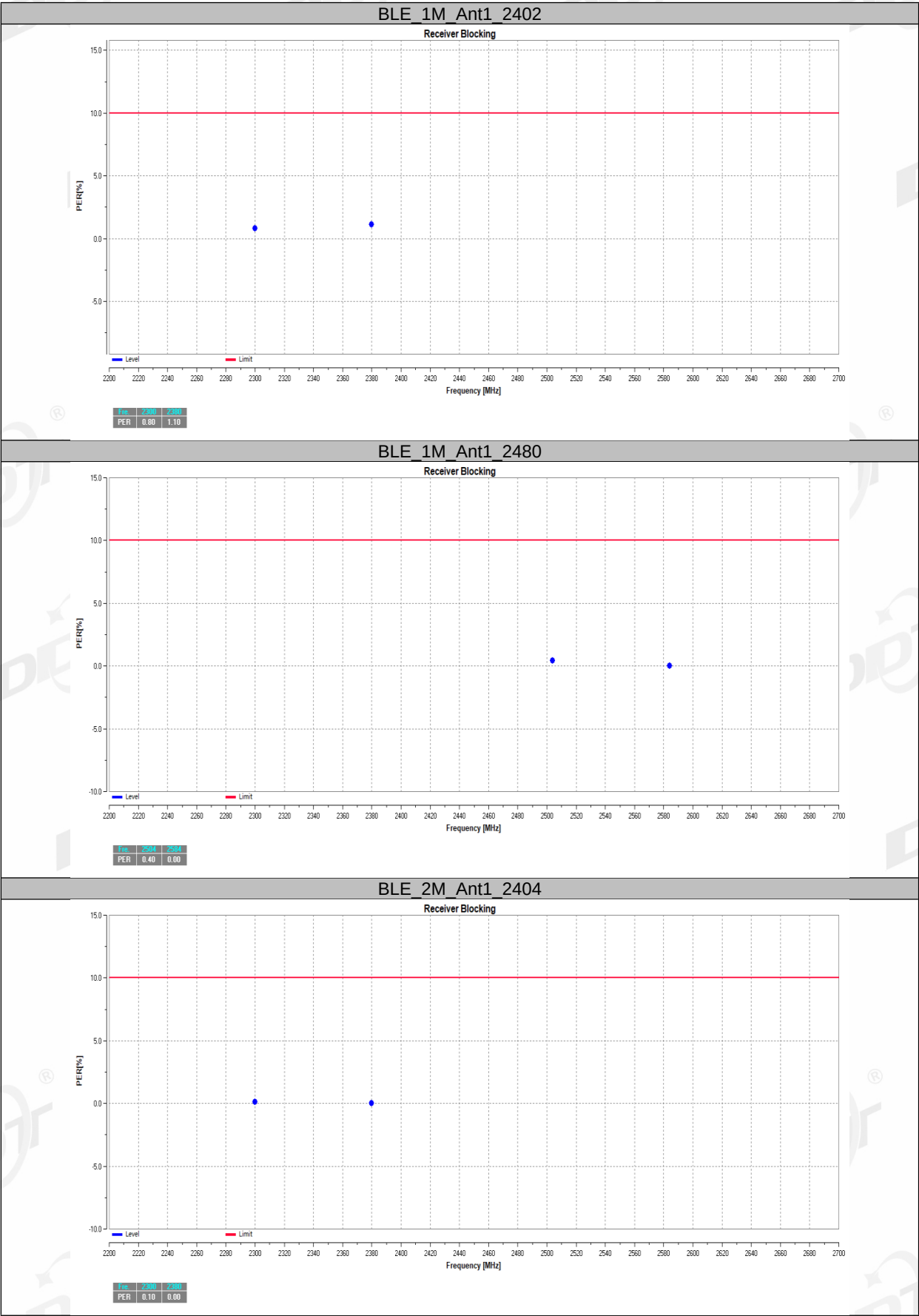
Refer to EN 300 328 V2.2.2 clause 5.4.11.2.1

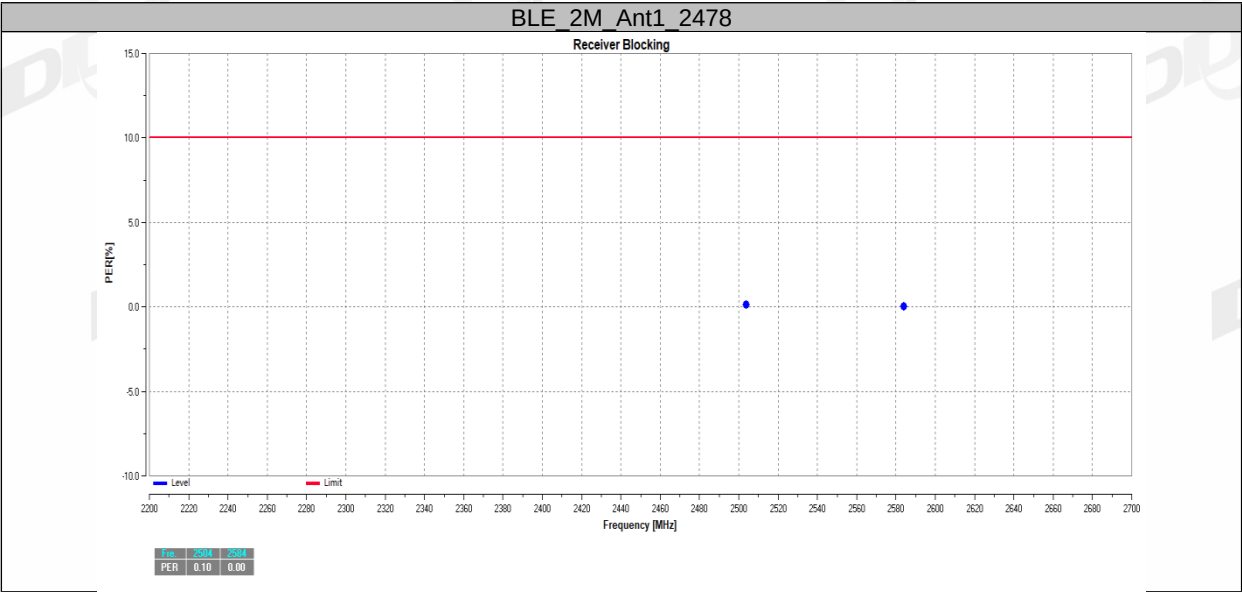
8.4. Test result

Test Engineer:	Tyang	Test Site:	RF Measurement System 3#
Ambient Condition:	25.6℃, 38.5%RH	Test Date:	2025.12.03-2025.12.12
Test Power Supply:	AC 230V	Sample Number:	S25090923-004

Test Mode	Antenna	Frequency [MHz]	Pmin [dBm]	Wanted signal [dBm]	Freq. [MHz]	CW [dBm]	PER [%]	Limit [%]	Verdict
BLE_1M	Ant1	2402	---	-64.1	2300	-29.28	0.80	≤10	PASS
			---	-64.1	2380	-29.28	1.10	≤10	PASS
		2480	---	-64.1	2504	-29.28	0.40	≤10	PASS
			---	-64.1	2584	-29.28	0.00	≤10	PASS
BLE_2M	Ant1	2404	---	-61.1	2300	-29.28	0.10	≤10	PASS
			---	-61.1	2380	-29.28	0.00	≤10	PASS
		2478	---	-61.1	2504	-29.28	0.10	≤10	PASS
			---	-61.1	2584	-29.28	0.00	≤10	PASS

8.5. Test graphs



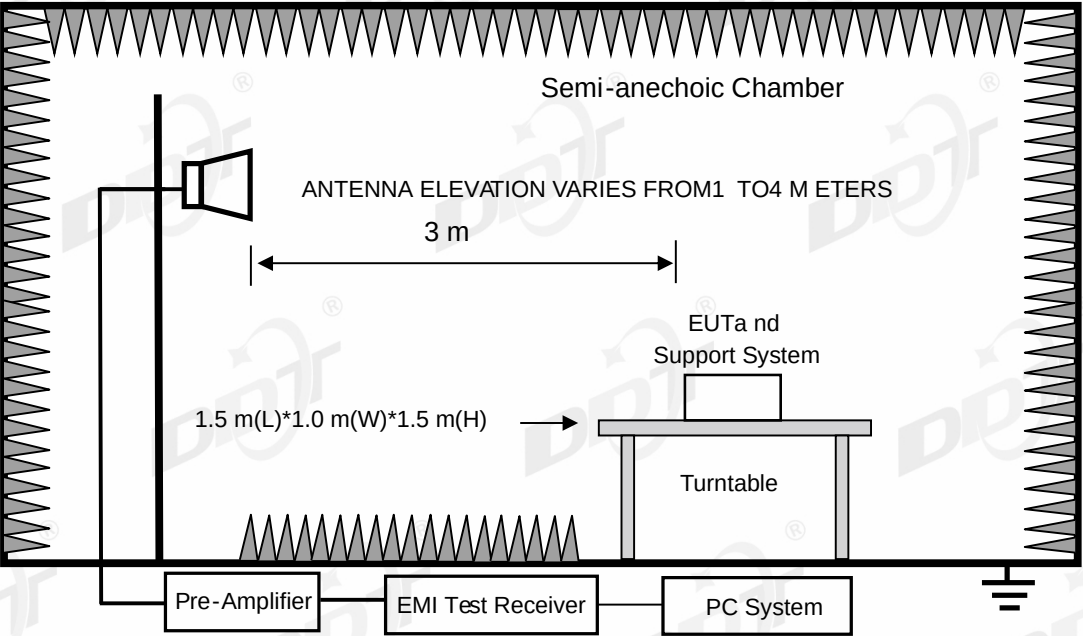
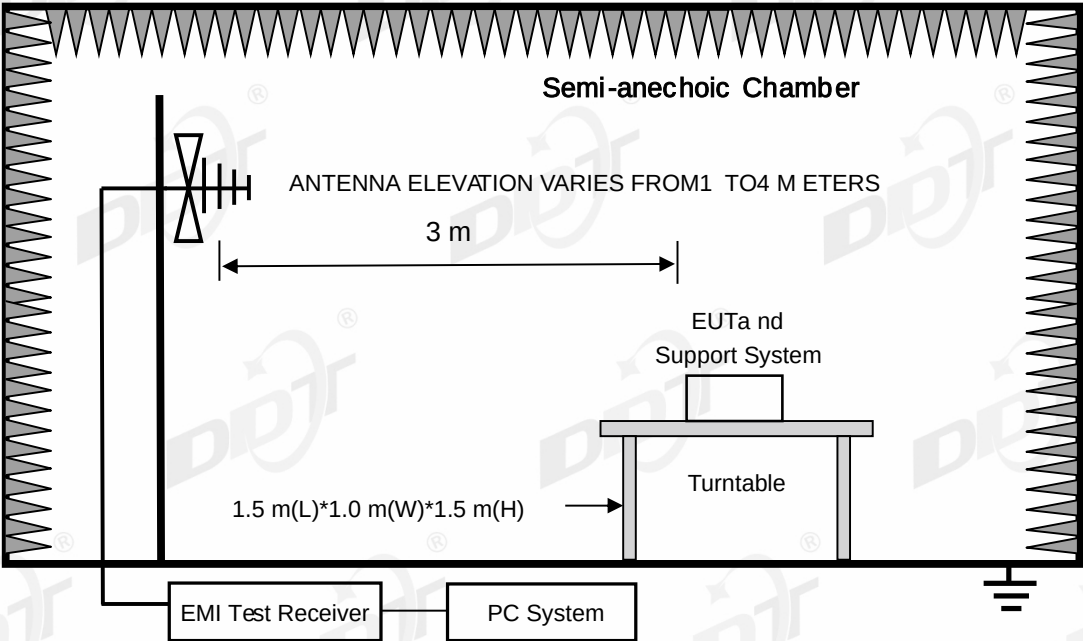


9. Transmitter unwanted emissions in the spurious domain

9.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To	Cal. Interval
High pass filter	Micro-Tronics	HPM50102	DDT-ZC00561	2026/03/28	1 Year
Radiation disturbance fully automated test software	Tonscend	JS32-RE	DDT-ZC02739	/	/
Pre-amplifier	SONOMA	310N	DDT-ZC01969	2026/07/06	1 Year
RF Cable	N/A	W24.02 HL-562	DDT-ZC04022	2026/03/28	1 Year
RF cable	Yuhu Technology	JCTB810-NJ-NJ-9M	DDT-ZC02538	2026/03/28	1 Year
RF cable	Zhongke Junchuang	JCT26S-NJ-NJ-1.5M	DDT-ZC02762	/	/
RF cable	Yuhu Technology	ZT26S-SMAJ-SMAJ-1M	DDT-ZC02037	2026/10/10	1 Year
RF Cable	N/A	W13.02 AP1-X2	DDT-ZC04023	2026/03/28	1 Year
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2026/03/28	1 Year
Pre-amplifier	COM-POWER	PAM-118A	DDT-ZC01293	2026/08/10	1 Year
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2026/03/28	1 Year
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/	/
High pass filter	Micro-Tronics	HPM50108	DDT-ZC00560	2026/03/28	1 Year
High Pass filter	Xi'an Xingbo	XBLBQ-GTA67	DDT-ZC02179	2026/03/28	1 Year
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/	/
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2026/04/01	1 Year
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	DDT-ZC02050	2026/07/25	1 Year
Hochgewinn-Hornantenne	SCHWARZBECK	BBHA 9120 D	DDT-ZC02129	2026/08/11	1 Year
Active Loop Antenna	Schwarzbeck	FMZB1519	DDT-ZC00524	2026/08/18	1 Year
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2026/03/28	1 Year

9.2. Block diagram of test setup



9.3. Limits

Frequency Range	Maximum power, e.r.p (≤ 1 GHz); e.i.r.p (> 1 GHz)	Bandwidth
30MHz to 47MHz	-36 dBm	100kHz
47MHz to 74MHz	-54 dBm	100kHz
74MHz to 87.5MHz	-36 dBm	100kHz
87.5MHz to 118MHz	-54 dBm	100kHz
118MHz to 174MHz	-36 dBm	100kHz
174MHz to 230MHz	-54 dBm	100kHz
230MHz to 470MHz	-36 dBm	100kHz
470 MHz to 694 MHz	-54 dBm	100kHz
694 MHz to 1 GHz	-36 dBm	100kHz
1GHz to 12.75GHz	-30 dBm	1MHz

9.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
/	/	/	/	/

9.5. Test procedure

(1) EUT was placed on a non-metallic table, 1.5m above the ground plane inside a semi-anechoic chamber.

(2) Test antenna was located 3m from the EUT on an adjustable mast, and the antenna used as below table.

Test frequency range	Test antenna used
30MHz-1GHz	Trilog Broadband Antenna
1GHz-12.75GHz	Double Ridged Horn Antenna

(3) Set EUT work in fixed channel transmitting mode.

(4) All the emissions from 30MHz to 12.75GHz at 3m distance was measured and recorded with receive antenna in both vertical and horizontal and varied from 1 m to 4 m. in height above the reference ground plane, and rotating the turntable obtain the maximum signal strength., the test spectrum analyser was set as below

Frequency band	RBW	VBW	Detector mode
30MHz-1GHz	100kHz	300kHz	Peak
1GHz-12.75GHz	1MHz	3MHz	Peak

Note: For harmonic emissions test an appropriate high pass filter was inserted in the input port of AMP.

(5) A correction values from a verified site calibration was used to calculate the spurious emissions of EUT.

(6) Scan with all mode and all model number, the worst case is recorded in this report.

9.6. Test result

PASS. (See below detailed test result)

9.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-12-05

Tested By:

Cao Jie

Test Mode:

TX BLE2M 2478MHz Mode

Power Supply:

AC 230V/50Hz

Condition:

Temp:22.9°C;Humi:45.9%

Test Site:

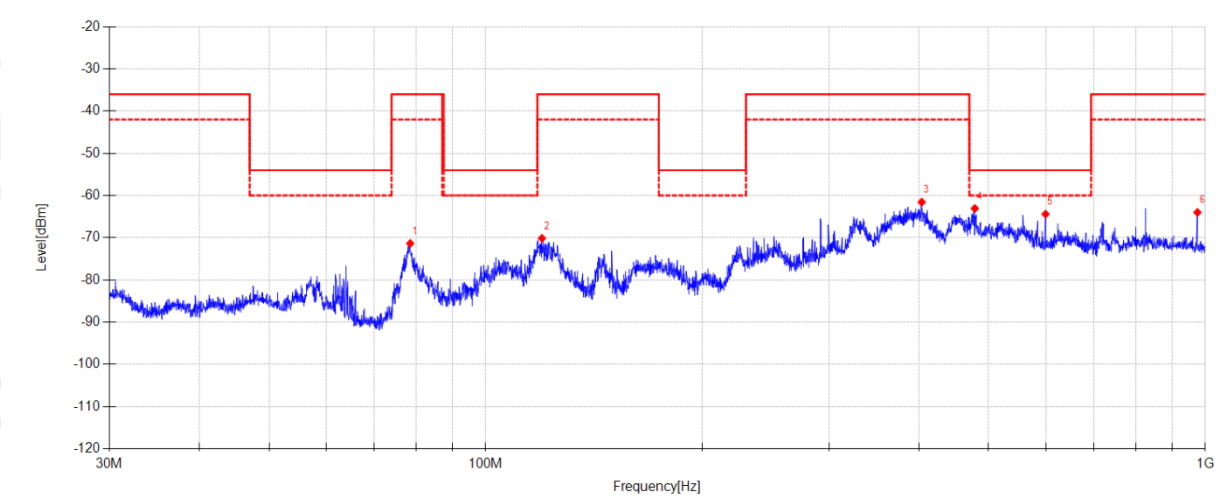
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25090923-2E\CE BELOW 1G BLE\9

Memo:

Sample Number:S25090923-005



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	78.563	47.18	-118.54	-71.36	-36.00	35.36	PK	Horizontal	ERP
2	119.738	47.31	-117.44	-70.13	-36.00	34.13	PK	Horizontal	ERP
3	403.606	47.80	-109.37	-61.57	-36.00	25.57	PK	Horizontal	ERP
4	478.245	44.92	-107.99	-63.07	-54.00	9.07	PK	Horizontal	ERP
5	599.803	40.45	-104.86	-64.41	-54.00	10.41	PK	Horizontal	ERP
6	975.074	35.25	-99.25	-64.00	-36.00	28.00	PK	Horizontal	ERP

Note:

1. Level = Reading + Factor.

2. Factor = Antenna Factor + Cable Loss - Preamp Gain + Site Loss Factor - 107.

3. Test setup: RBW: 100 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-12-05

Tested By:

Cao Jie

Test Mode:

TX BLE2M 2478MHz Mode

Power Supply:

AC 230V/50Hz

Condition:

Temp:22.9°C;Humi:45.9%

Test Site:

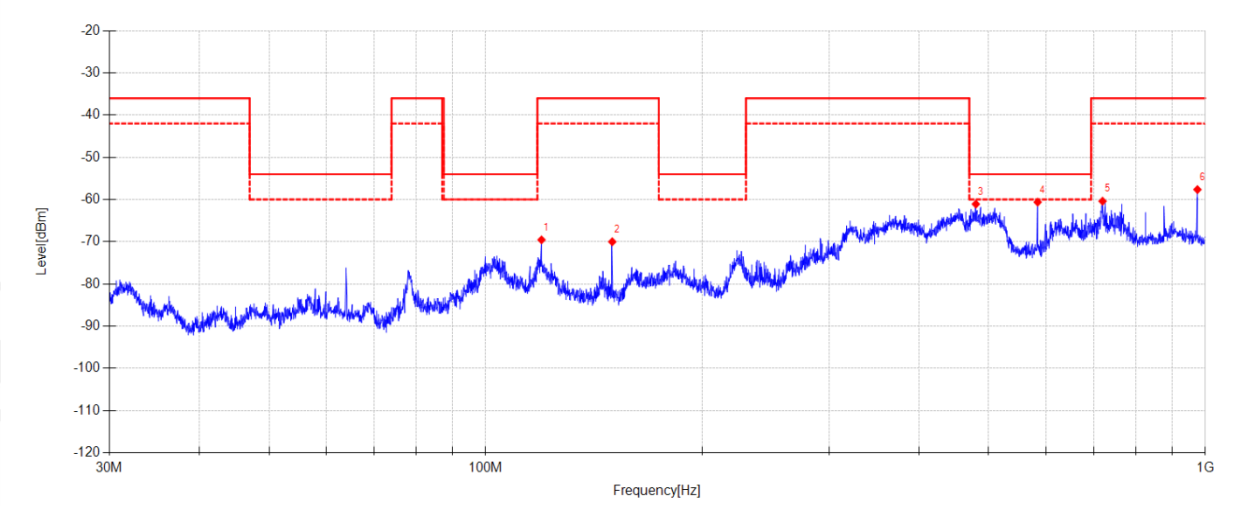
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Memo:

Sample Number:S25090923-005



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	119.571	43.05	-112.60	-69.55	-36.00	33.55	PK	Vertical	ERP
2	149.963	44.73	-114.74	-70.01	-36.00	34.01	PK	Vertical	ERP
3	479.925	44.62	-105.71	-61.09	-54.00	7.09	PK	Vertical	ERP
4	584.852	42.78	-103.41	-60.63	-54.00	6.63	PK	Vertical	ERP
5	719.751	41.33	-101.73	-60.40	-36.00	24.40	PK	Vertical	ERP
6	975.074	39.93	-97.57	-57.64	-36.00	21.64	PK	Vertical	ERP

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date:2025-12-05

Tested By:Cao Jie

Test Mode:TX BLE2M 2404MHz Mode

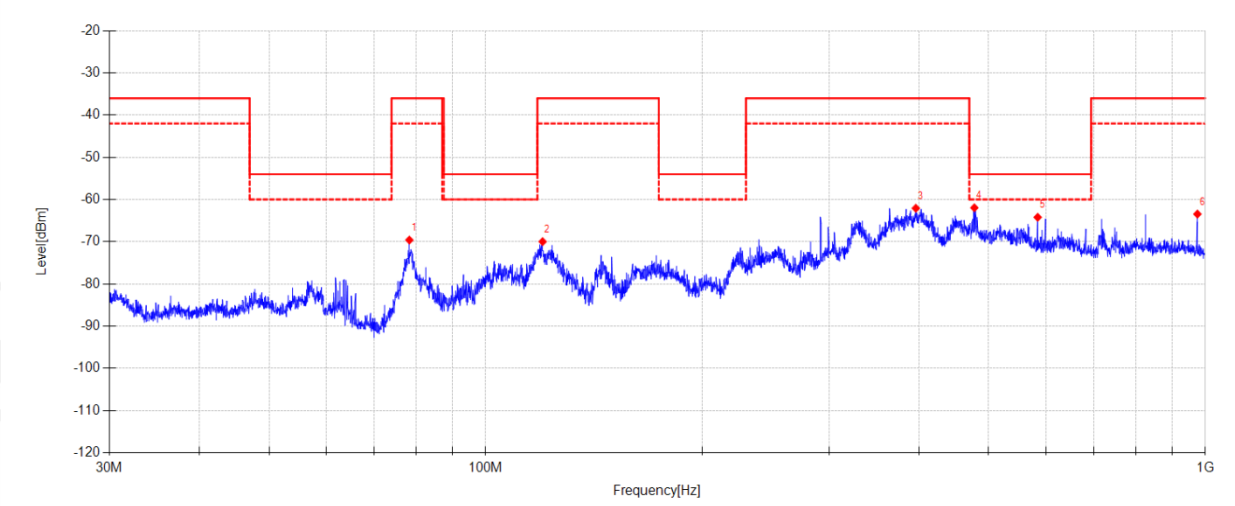
Power Supply:AC 230V/50Hz

Condition:Temp:22.9°C;Humi:45.9%

Test Site:DDT 3# Chamber

File Path:d:\ts\2025 report date\Q25090923-2E\CE BELOW 1G BLE\11

Memo:Sample Number:S25090923-005



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	78.343	48.94	-118.54	-69.60	-36.00	33.60	PK	Horizontal	ERP
2	119.991	47.47	-117.45	-69.98	-36.00	33.98	PK	Horizontal	ERP
3	396.037	47.41	-109.48	-62.07	-36.00	26.07	PK	Horizontal	ERP
4	477.575	46.05	-108.01	-61.96	-54.00	7.96	PK	Horizontal	ERP
5	584.852	41.31	-105.52	-64.21	-54.00	10.21	PK	Horizontal	ERP
6	975.074	35.80	-99.25	-63.45	-36.00	27.45	PK	Horizontal	ERP

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-12-05

Tested By:

Cao Jie

Test Mode:

TX BLE2M 2404MHz Mode

Power Supply:

AC 230V/50Hz

Condition:

Temp:22.9°C;Humi:45.9%

Test Site:

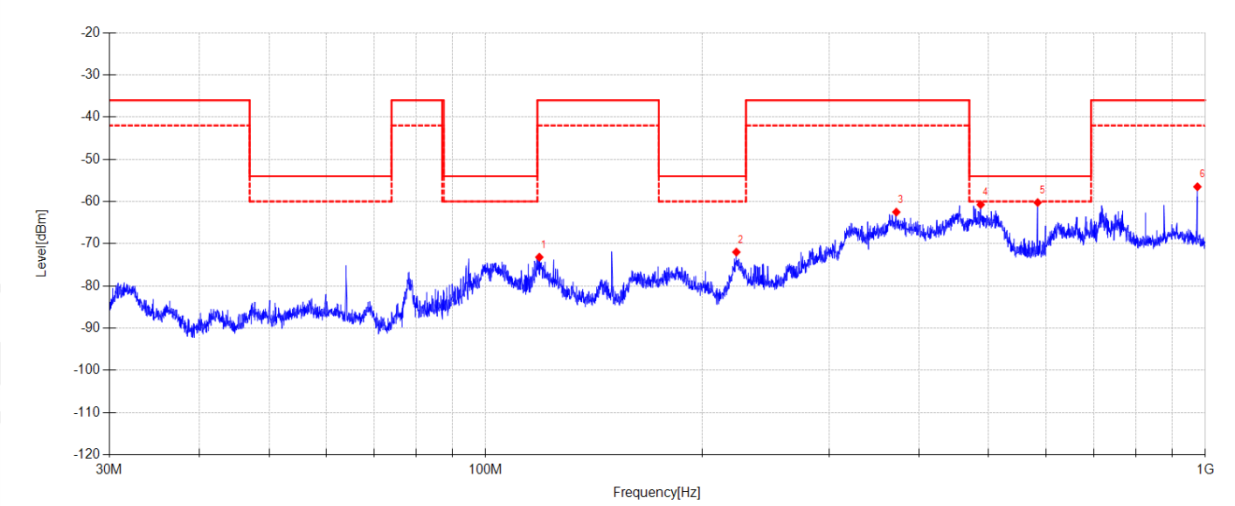
DDT 3# Chamber

File Path:

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Memo:

Sample Number:S25090923-005



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	118.735	39.35	-112.54	-73.19	-36.00	37.19	PK	Vertical	ERP
2	223.017	42.03	-114.01	-71.98	-54.00	17.98	PK	Vertical	ERP
3	372.078	45.55	-108.06	-62.51	-36.00	26.51	PK	Vertical	ERP
4	487.385	44.66	-105.41	-60.75	-54.00	6.75	PK	Vertical	ERP
5	584.852	43.17	-103.41	-60.24	-54.00	6.24	PK	Vertical	ERP
6	975.074	41.06	-97.57	-56.51	-36.00	20.51	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.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-12-05

Tested By:

Cao Jie

Test Mode:

TX BLE1M 2402MHz Mode

Power Supply:

AC 230V/50Hz

Condition:

Temp:22.9°C;Humi:45.9%

Test Site:

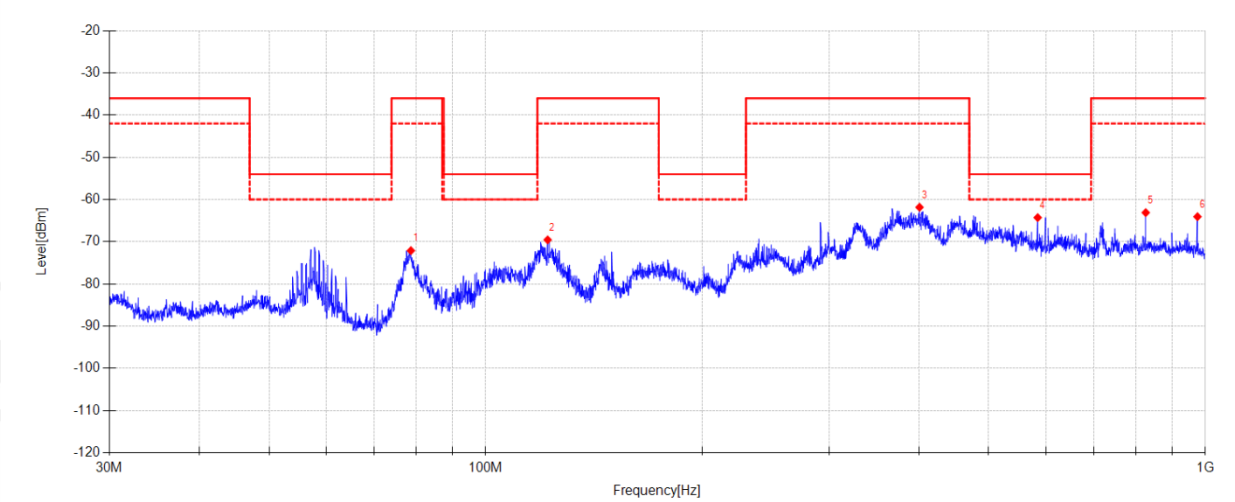
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File Path:

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Memo:

Sample Number:S25090923-005



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	78.729	46.43	-118.54	-72.11	-36.00	36.11	PK	Horizontal	ERP
2	121.941	48.02	-117.57	-69.55	-36.00	33.55	PK	Horizontal	ERP
3	400.786	47.56	-109.40	-61.84	-36.00	25.84	PK	Horizontal	ERP
4	584.852	41.24	-105.52	-64.28	-54.00	10.28	PK	Horizontal	ERP
5	826.365	39.12	-102.23	-63.11	-36.00	27.11	PK	Horizontal	ERP
6	975.074	35.18	-99.25	-64.07	-36.00	28.07	PK	Horizontal	ERP

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-12-05

Tested By:

Cao Jie

Test Mode:

TX BLE1M 2402MHz Mode

Power Supply:

AC 230V/50Hz

Condition:

Temp:22.9°C;Humi:45.9%

Test Site:

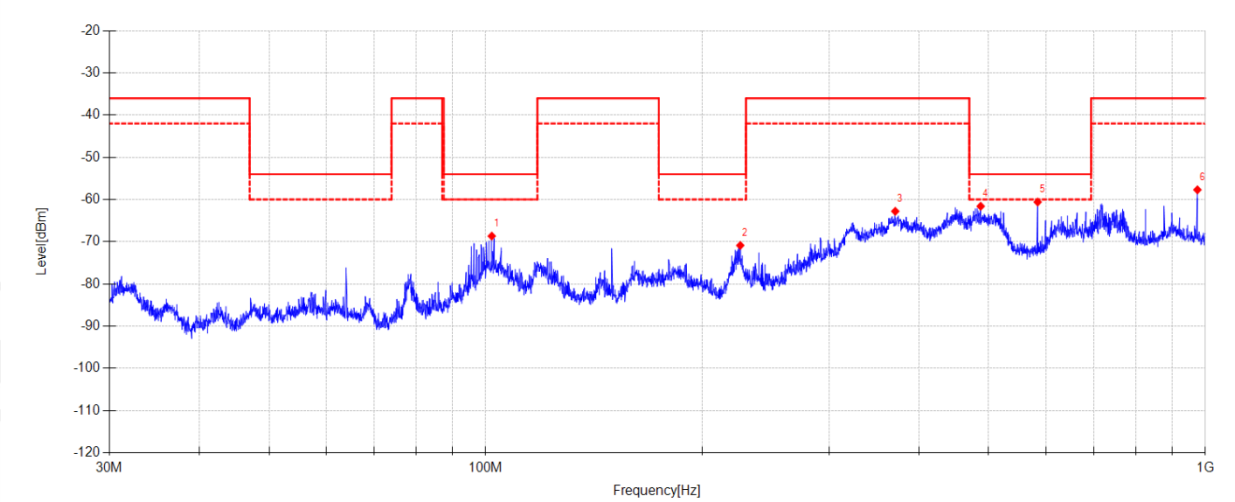
DDT 3# Chamber

File Path:

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Memo:

Sample Number:S25090923-005



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	101.976	42.70	-111.36	-68.66	-54.00	14.66	PK	Vertical	ERP
2	225.850	43.05	-113.93	-70.88	-54.00	16.88	PK	Vertical	ERP
3	370.776	45.28	-108.07	-62.79	-36.00	26.79	PK	Vertical	ERP
4	487.385	43.81	-105.41	-61.60	-54.00	7.60	PK	Vertical	ERP
5	584.852	42.81	-103.41	-60.60	-54.00	6.60	PK	Vertical	ERP
6	975.074	39.87	-97.57	-57.70	-36.00	21.70	PK	Vertical	ERP

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-12-05

Tested By:

Cao Jie

Test Mode:

TX BLE1M 2480MHz Mode

Power Supply:

AC 230V/50Hz

Condition:

Temp:22.9°C;Humi:45.9%

Test Site:

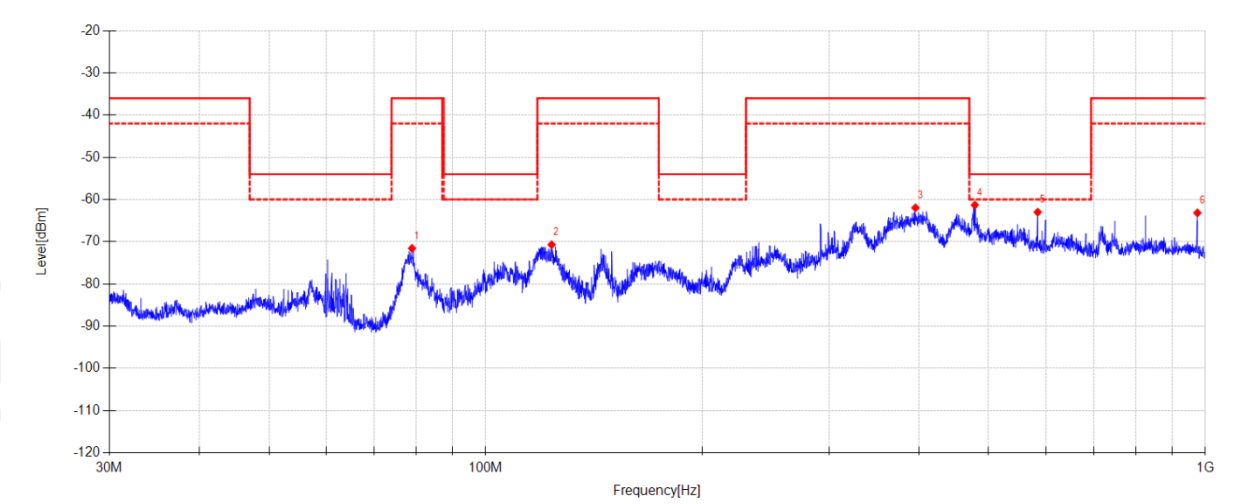
DDT 3# Chamber

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Memo:

Sample Number:S25090923-005



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	79.005	46.97	-118.54	-71.57	-36.00	35.57	PK	Horizontal	ERP
2	123.490	46.96	-117.67	-70.71	-36.00	34.71	PK	Horizontal	ERP
3	395.482	47.52	-109.49	-61.97	-36.00	25.97	PK	Horizontal	ERP
4	478.245	46.67	-107.99	-61.32	-54.00	7.32	PK	Horizontal	ERP
5	584.852	42.53	-105.52	-62.99	-54.00	8.99	PK	Horizontal	ERP
6	975.074	36.08	-99.25	-63.17	-36.00	27.17	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.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-12-05

Tested By:

Cao Jie

Test Mode:

TX BLE1M 2480MHz Mode

Power Supply:

AC 230V/50Hz

Condition:

Temp:22.9°C;Humi:45.9%

Test Site:

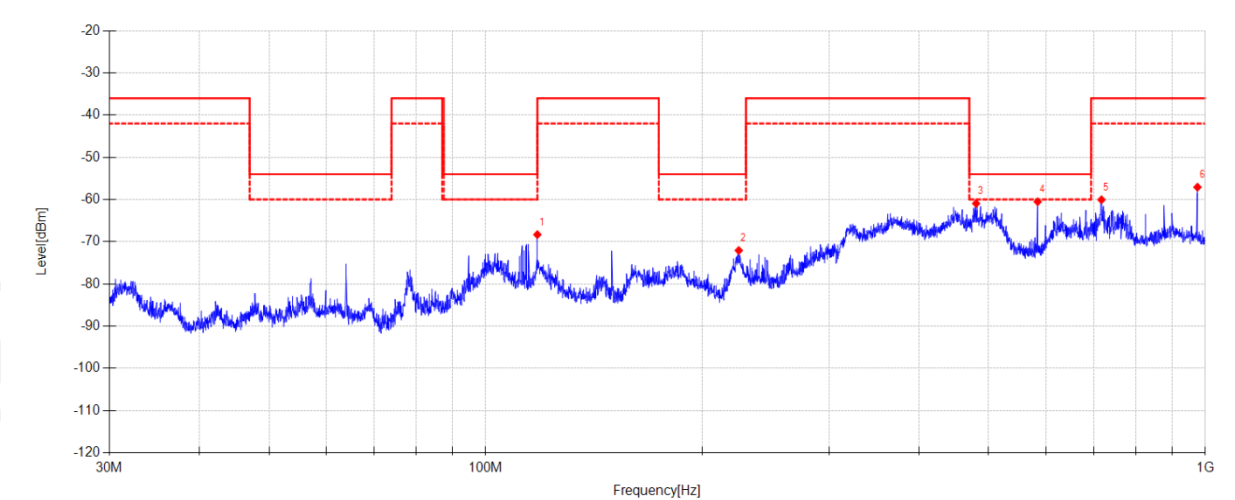
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25090923-2E\CE BELOW 1G BLE\16

Memo:

Sample Number:S25090923-005



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	117.988	44.18	-112.49	-68.31	-54.00	14.31	PK	Vertical	ERP
2	224.744	41.89	-113.96	-72.07	-54.00	18.07	PK	Vertical	ERP
3	480.261	44.75	-105.69	-60.94	-54.00	6.94	PK	Vertical	ERP
4	584.852	42.89	-103.41	-60.52	-54.00	6.52	PK	Vertical	ERP
5	717.233	41.76	-101.82	-60.06	-36.00	24.06	PK	Vertical	ERP
6	975.074	40.49	-97.57	-57.08	-36.00	21.08	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.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-12-05

Tested By:

Li Xiongbín

Test Mode:

TX BLE2M 2404MHz Mode

Power Supply:

AC 230V/50Hz

Condition:

Temp:22.9°C;Humi:45.9%

Test Site:

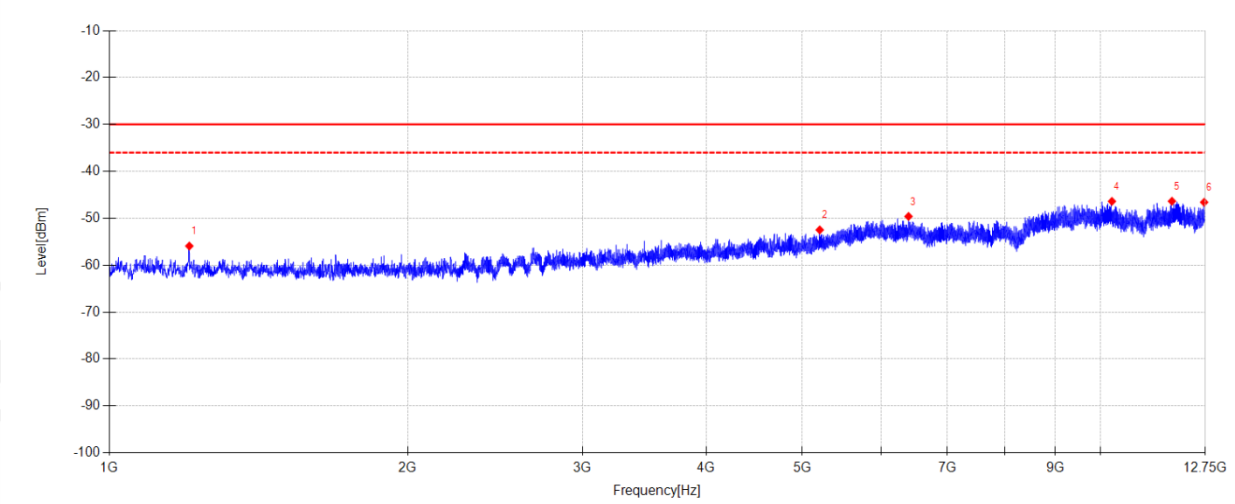
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25090923-2E\CE ABOVE 1G BLE\9

Memo:

Sample Number:S25090923-005;Power Setting:NA



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1204.156	48.57	-104.49	-55.92	-30.00	25.92	PK	Horizontal	EIRP
2	5206.990	44.98	-97.46	-52.48	-30.00	22.48	PK	Horizontal	EIRP
3	6399.125	44.74	-94.34	-49.60	-30.00	19.60	PK	Horizontal	EIRP
4	10263.406	42.76	-89.15	-46.39	-30.00	16.39	PK	Horizontal	EIRP
5	11798.740	42.27	-88.63	-46.36	-30.00	16.36	PK	Horizontal	EIRP
6	12715.729	41.85	-88.43	-46.58	-30.00	16.58	PK	Horizontal	EIRP

Note:

1. Level = Reading + Factor.

2. Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-12-05

Tested By:

Li Xiongbín

Test Mode:

TX BLE2M 2404MHz Mode

Power Supply:

AC 230V/50Hz

Condition:

Temp:22.9°C;Humi:45.9%

Test Site:

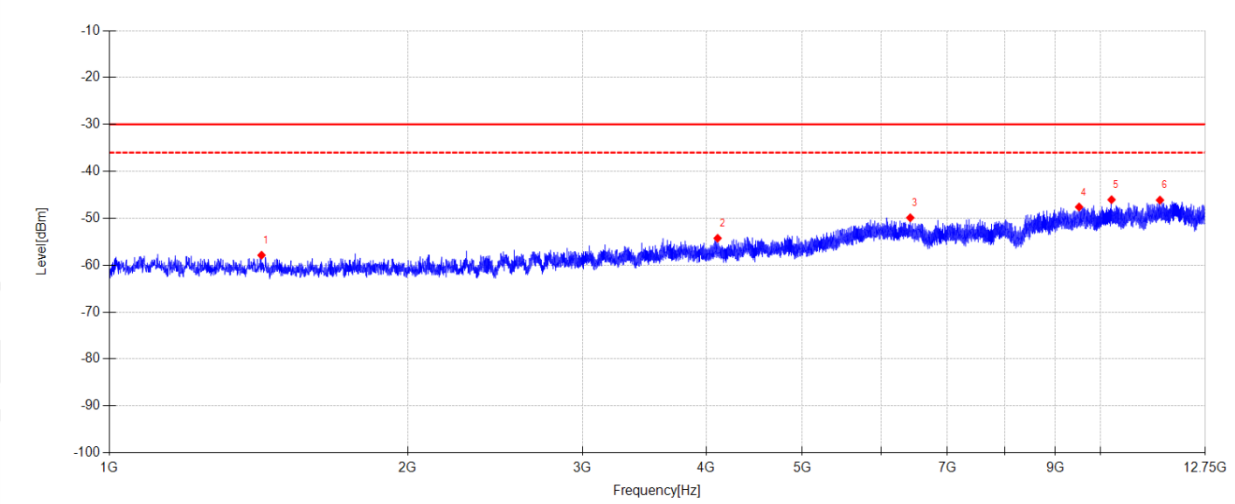
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25090923-2E\CE ABOVE 1G BLE\10

Memo:

Sample Number:S25090923-005;Power Setting:NA



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1423.979	46.33	-104.21	-57.88	-30.00	27.88	PK	Vertical	EIRP
2	4107.385	46.62	-100.88	-54.26	-30.00	24.26	PK	Vertical	EIRP
3	6425.073	44.52	-94.41	-49.89	-30.00	19.89	PK	Vertical	EIRP
4	9510.427	42.18	-89.78	-47.60	-30.00	17.60	PK	Vertical	EIRP
5	10254.104	43.13	-89.17	-46.04	-30.00	16.04	PK	Vertical	EIRP
6	11475.125	41.84	-87.97	-46.13	-30.00	16.13	PK	Vertical	EIRP

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-12-05

Tested By:

Li Xiongbín

Test Mode:

TX BLE2M 2478MHz Mode

Power Supply:

AC 230V/50Hz

Condition:

Temp:22.9°C;Humi:45.9%

Test Site:

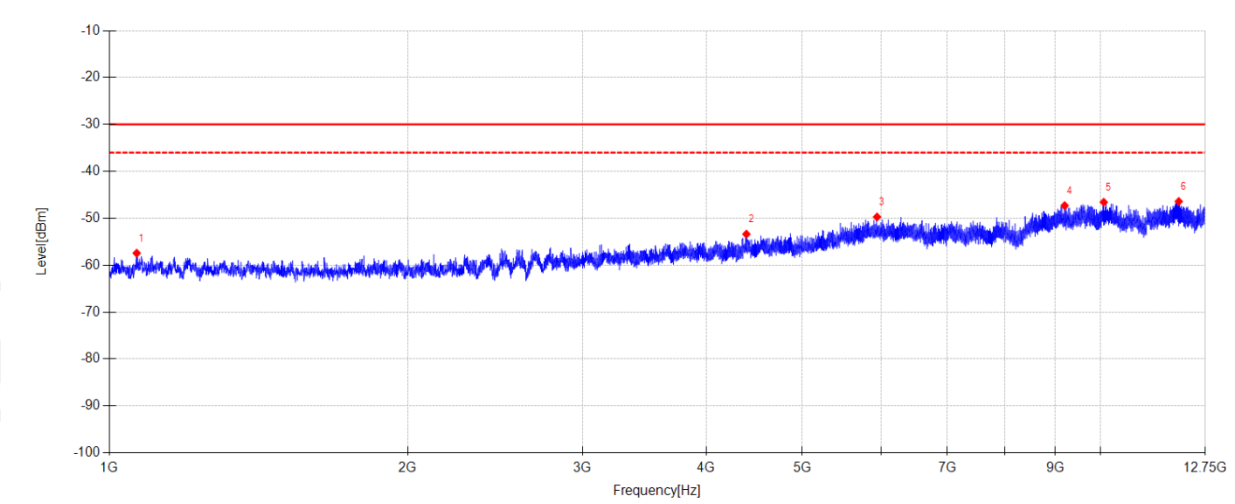
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25090923-2E\CE ABOVE 1G BLE\11

Memo:

Sample Number:S25090923-005;Power Setting:NA



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1065.604	47.02	-104.46	-57.44	-30.00	27.44	PK	Horizontal	EIRP
2	4391.344	46.63	-100.01	-53.38	-30.00	23.38	PK	Horizontal	EIRP
3	5947.729	44.61	-94.33	-49.72	-30.00	19.72	PK	Horizontal	EIRP
4	9196.604	42.25	-89.55	-47.30	-30.00	17.30	PK	Horizontal	EIRP
5	10070.510	42.51	-89.08	-46.57	-30.00	16.57	PK	Horizontal	EIRP
6	11987.229	42.05	-88.46	-46.41	-30.00	16.41	PK	Horizontal	EIRP

Note:

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

TR-4-E-009 Radiated Emission Test Result

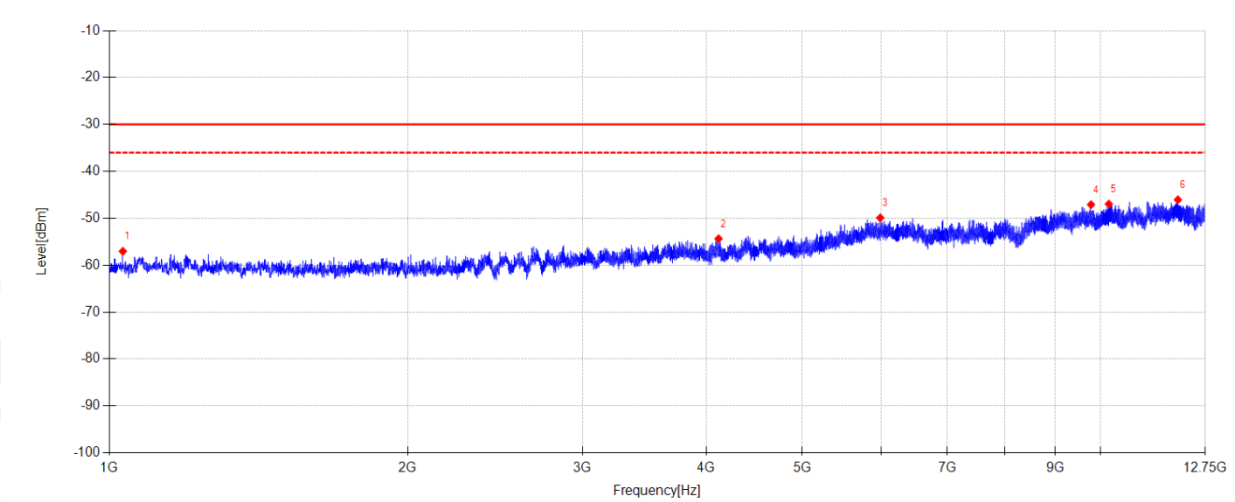
Test Date: 2025-12-05 Tested By: Li Xiongbin

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\Q25090923-2E\CE ABOVE 1G BLE\12

Memo: Sample Number:S25090923-005;Power Setting:NA



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1031.823	47.03	-104.07	-57.04	-30.00	27.04	PK	Vertical	EIRP
2	4116.688	46.49	-100.85	-54.36	-30.00	24.36	PK	Vertical	EIRP
3	5992.281	44.20	-94.11	-49.91	-30.00	19.91	PK	Vertical	EIRP
4	9777.250	42.56	-89.65	-47.09	-30.00	17.09	PK	Vertical	EIRP
5	10190.948	42.30	-89.27	-46.97	-30.00	16.97	PK	Vertical	EIRP
6	11962.260	41.85	-87.91	-46.06	-30.00	16.06	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.

TR-4-E-009 Radiated Emission Test Result

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:

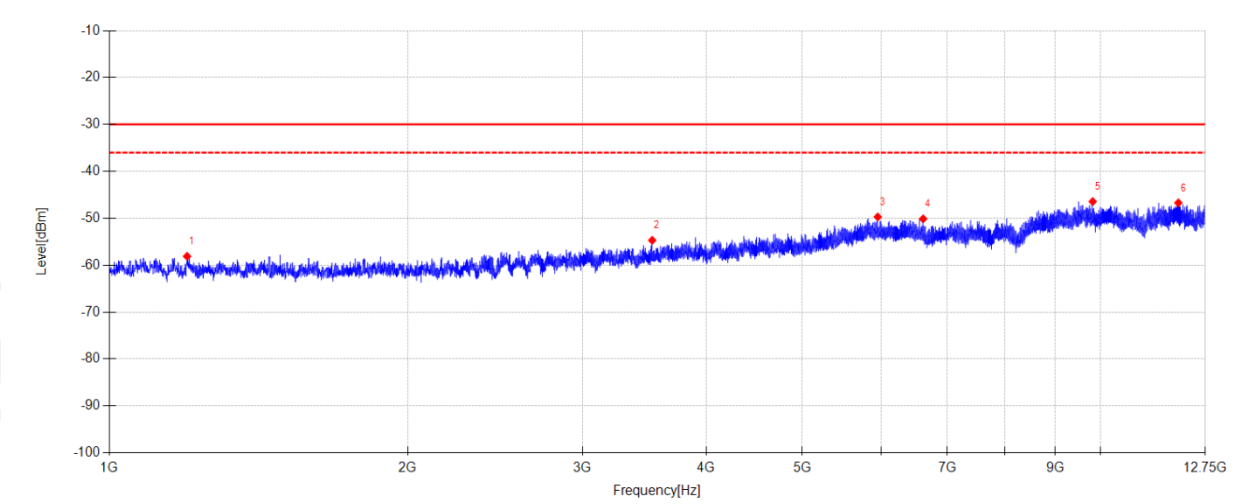
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25090923-2E\CE ABOVE 1G BLE\13

Memo:

Sample Number:S25090923-005;Power Setting:NA



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1197.792	46.39	-104.50	-58.11	-30.00	28.11	PK	Horizontal	EIRP
2	3528.698	47.14	-101.84	-54.70	-30.00	24.70	PK	Horizontal	EIRP
3	5957.521	44.59	-94.30	-49.71	-30.00	19.71	PK	Horizontal	EIRP
4	6620.417	44.35	-94.47	-50.12	-30.00	20.12	PK	Horizontal	EIRP
5	9815.927	42.75	-89.18	-46.43	-30.00	16.43	PK	Horizontal	EIRP
6	11976.458	41.75	-88.46	-46.71	-30.00	16.71	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.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-12-05

Tested By:

Li Xiongbín

Test Mode:

TX BLE1M 2402MHz Mode

Power Supply:

AC 230V/50Hz

Condition:

Temp:22.9°C;Humi:45.9%

Test Site:

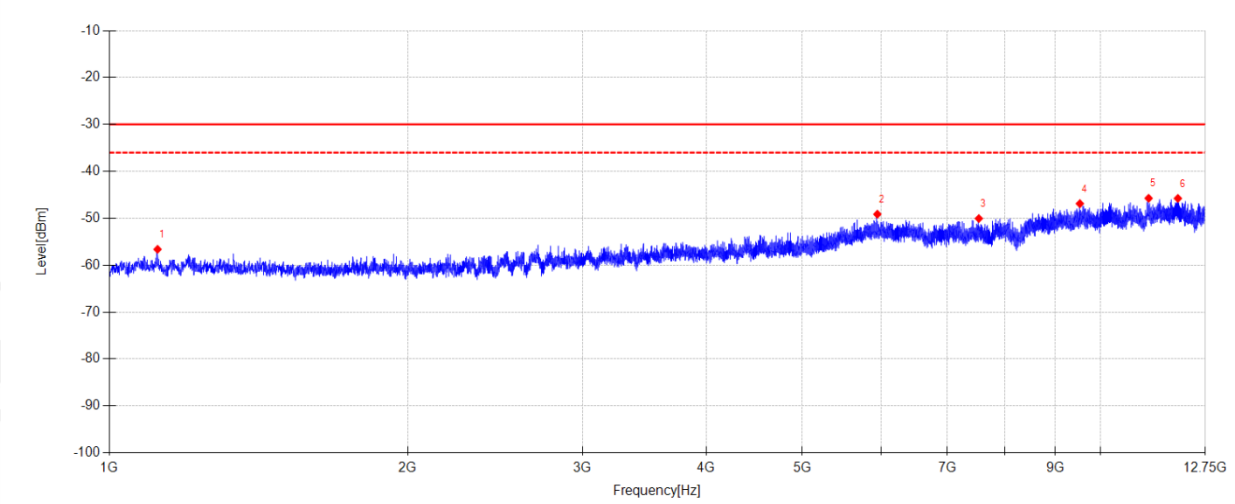
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25090923-2E\CE ABOVE 1G BLE\14

Memo:

Sample Number:S25090923-005;Power Setting:NA



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1118.479	47.48	-104.10	-56.62	-30.00	26.62	PK	Vertical	EIRP
2	5952.135	45.18	-94.31	-49.13	-30.00	19.13	PK	Vertical	EIRP
3	7534.469	43.82	-93.87	-50.05	-30.00	20.05	PK	Vertical	EIRP
4	9527.073	42.89	-89.77	-46.88	-30.00	16.88	PK	Vertical	EIRP
5	11176.969	42.28	-88.02	-45.74	-30.00	15.74	PK	Vertical	EIRP
6	11962.260	42.14	-87.91	-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.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-12-05

Tested By:

Li Xiongbín

Test Mode:

TX BLE1M 2480MHz Mode

Power Supply:

AC 230V/50Hz

Condition:

Temp:22.9°C;Humi:45.9%

Test Site:

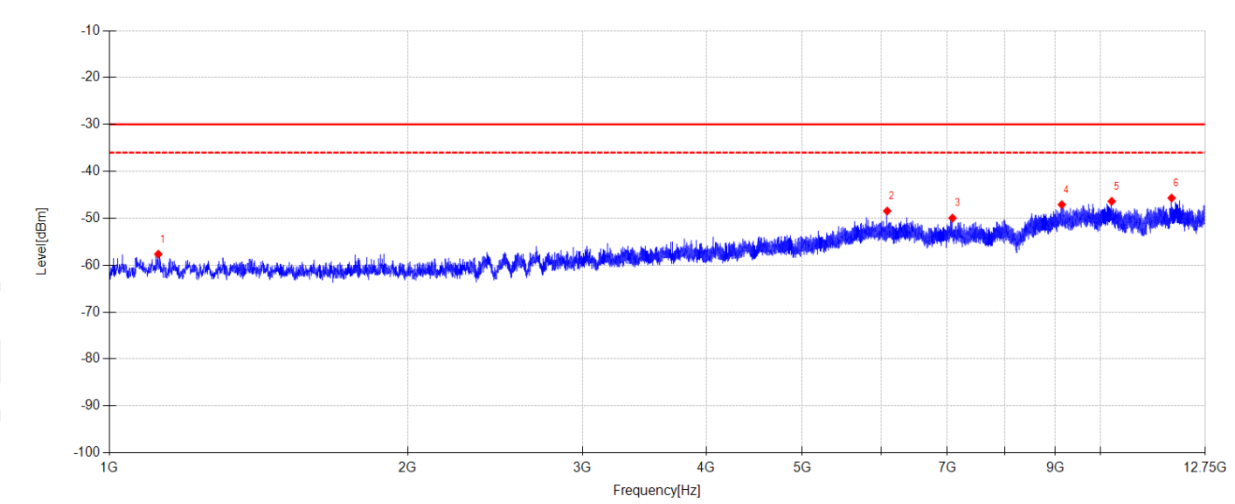
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25090923-2E\CE ABOVE 1G BLE\15

Memo:

Sample Number:S25090923-005;Power Setting:NA



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1120.438	46.82	-104.47	-57.65	-30.00	27.65	PK	Horizontal	EIRP
2	6089.219	45.70	-94.16	-48.46	-30.00	18.46	PK	Horizontal	EIRP
3	7087.969	44.62	-94.58	-49.96	-30.00	19.96	PK	Horizontal	EIRP
4	9135.406	42.48	-89.58	-47.10	-30.00	17.10	PK	Horizontal	EIRP
5	10259.490	42.77	-89.15	-46.38	-30.00	16.38	PK	Horizontal	EIRP
6	11790.417	42.96	-88.64	-45.68	-30.00	15.68	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.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-12-05

Tested By:

Li Xiongbín

Test Mode:

TX BLE1M 2480MHz Mode

Power Supply:

AC 230V/50Hz

Condition:

Temp:22.9°C;Humi:45.9%

Test Site:

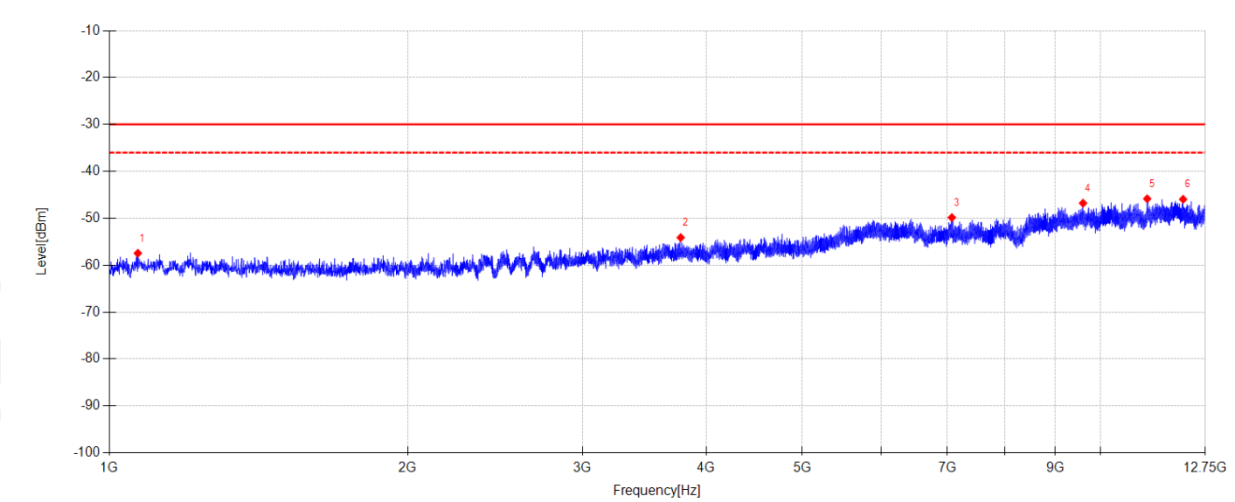
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25090923-2E\CE ABOVE 1G BLE\16

Memo:

Sample Number:S25090923-005;Power Setting:NA



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1068.542	46.63	-104.09	-57.46	-30.00	27.46	PK	Vertical	EIRP
2	3770.063	47.35	-101.47	-54.12	-30.00	24.12	PK	Vertical	EIRP
3	7077.198	44.85	-94.70	-49.85	-30.00	19.85	PK	Vertical	EIRP
4	9596.594	42.96	-89.74	-46.78	-30.00	16.78	PK	Vertical	EIRP
5	11139.271	42.18	-88.02	-45.84	-30.00	15.84	PK	Vertical	EIRP
6	12108.646	41.98	-87.93	-45.95	-30.00	15.95	PK	Vertical	EIRP

Note:

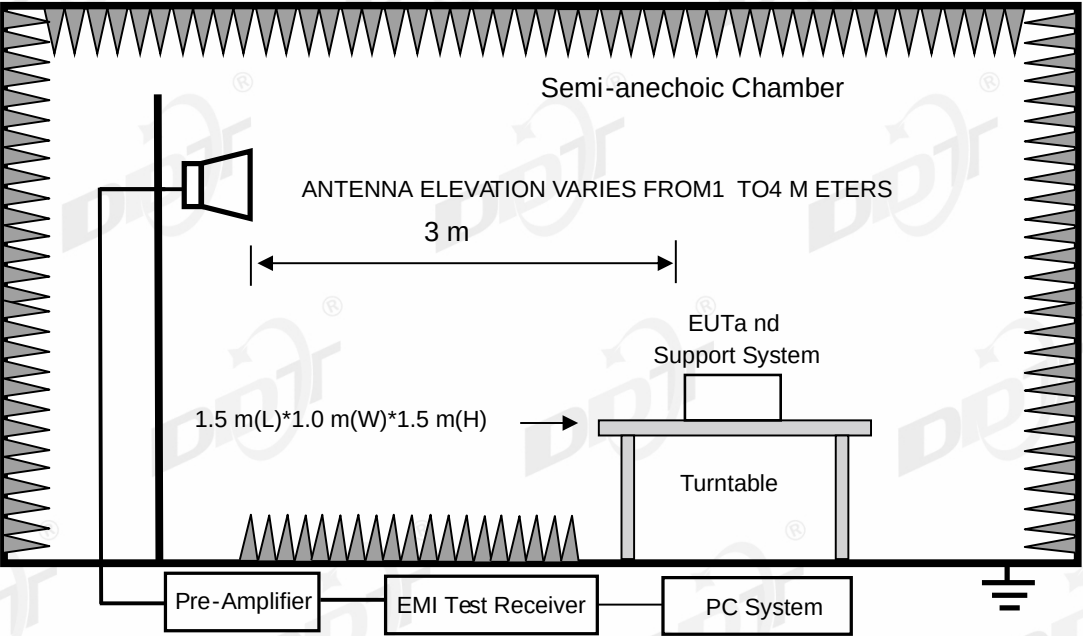
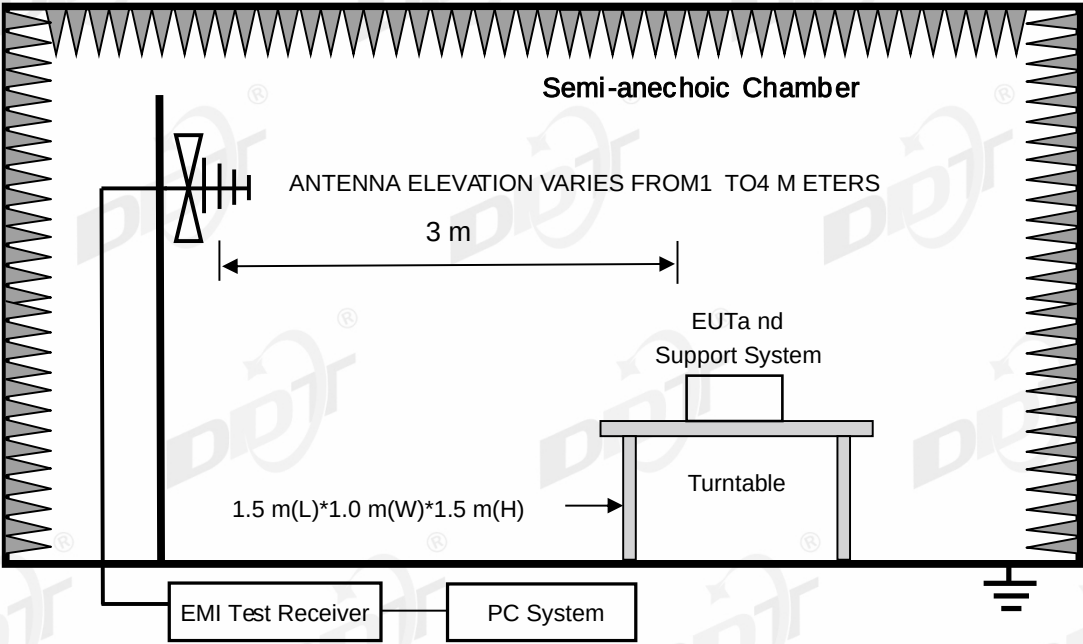
- Level = Reading + Factor.
- Factor = Antenna Factor + Cable Loss + Filter Factor - Preamp Gain + Site Loss Factor - 107.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

10. Receiver spurious emissions

10.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To	Cal. Interval
High pass filter	Micro-Tronics	HPM50102	DDT-ZC00561	2026/03/28	1 Year
Radiation disturbance fully automated test software	Tonscend	JS32-RE	DDT-ZC02739	/	/
Pre-amplifier	SONOMA	310N	DDT-ZC01969	2026/07/06	1 Year
RF Cable	N/A	W24.02 HL-562	DDT-ZC04022	2026/03/28	1 Year
RF cable	Yuhu Technology	JCTB810-NJ-NJ-9M	DDT-ZC02538	2026/03/28	1 Year
RF cable	Zhongke Junchuang	JCT26S-NJ-NJ-1.5M	DDT-ZC02762	/	/
RF cable	Yuhu Technology	ZT26S-SMAJ-SMAJ-1M	DDT-ZC02037	2026/10/10	1 Year
RF Cable	N/A	W13.02 AP1-X2	DDT-ZC04023	2026/03/28	1 Year
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2026/03/28	1 Year
Pre-amplifier	COM-POWER	PAM-118A	DDT-ZC01293	2026/08/10	1 Year
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2026/03/28	1 Year
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/	/
High pass filter	Micro-Tronics	HPM50108	DDT-ZC00560	2026/03/28	1 Year
High Pass filter	Xi'an Xingbo	XBLBQ-GTA67	DDT-ZC02179	2026/03/28	1 Year
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/	/
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2026/04/01	1 Year
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	DDT-ZC02050	2026/07/25	1 Year
Hochgewinn-Hornantenne	SCHWARZBECK	BBHA 9120 D	DDT-ZC02129	2026/08/11	1 Year
Active Loop Antenna	Schwarzbeck	FMZB1519	DDT-ZC00524	2026/08/18	1 Year
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2026/03/28	1 Year

10.2. Block diagram of test setup



10.3. Limits

The spurious emissions of the receiver shall not exceed the values given in below table.

Frequency range	Maximum power	Bandwidth
30 MHz to 1 GHz	-57 dBm	100 kHz
1 GHz to 12,75 GHz	-47 dBm	1 MHz

10.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
/	/	/	/	/

10.5. Test procedure

Refer to EN 300 328 V2.2.2 Clause 5.4.10.2

10.6. Test result

PASS. (See below detailed test result)

Note: Scan with all mode and all model number, the worst case is recorded in this report.

10.7. Test data

TR-4-E-009 Radiated Emission Test Result

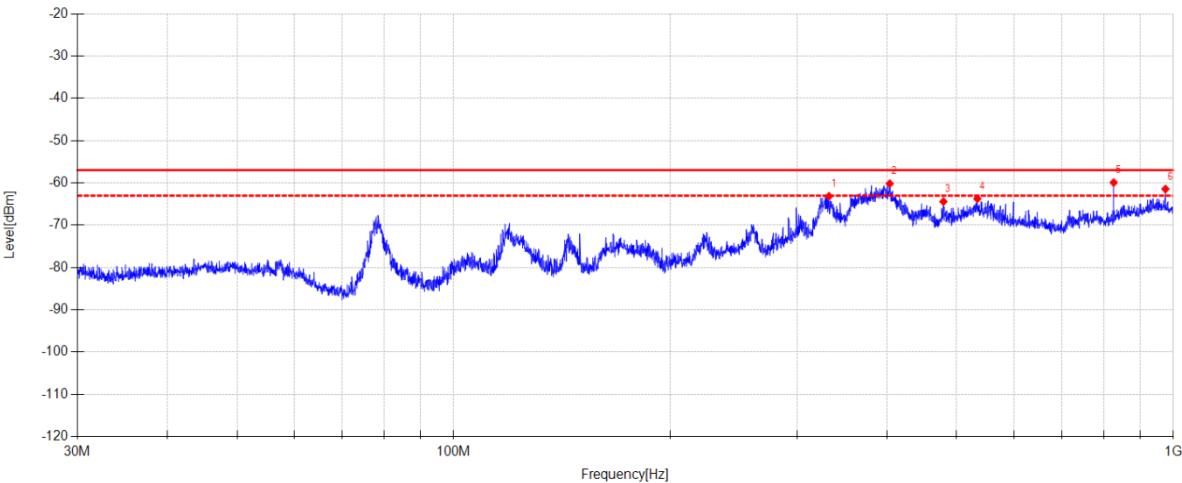
Test Date: 2025-12-04 Tested By: Cao Jie

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\Q25090923-2E\CE BELOW 1G BLE\1

Memo: Sample Number:S25090923-005



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	332.359	47.59	-110.76	-63.17	-57.00	6.17	PK	Horizontal	ERP
2	403.606	49.19	-109.37	-60.18	-57.00	3.18	PK	Horizontal	ERP
3	479.252	43.54	-107.96	-64.42	-57.00	7.42	PK	Horizontal	ERP
4	534.274	43.39	-107.14	-63.75	-57.00	6.75	PK	Horizontal	ERP
5	826.365	42.30	-102.23	-59.93	-57.00	2.93	PK	Horizontal	ERP
6	975.074	37.79	-99.25	-61.46	-57.00	4.46	PK	Horizontal	ERP

Final Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	403.606	46.84	-109.37	-62.53	-57.00	5.53	RMS	Horizontal	ERP
2	826.365	40.35	-102.23	-61.88	-57.00	4.88	RMS	Horizontal	ERP
3	975.074	35.63	-99.25	-63.62	-57.00	6.62	RMS	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.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-12-04

Tested By:

Cao Jie

Test Mode:

RX BLE1M 2480MHz Mode

Power Supply:

AC 230V/50Hz

Condition:

Temp:22.9°C;Humi:45.9%

Test Site:

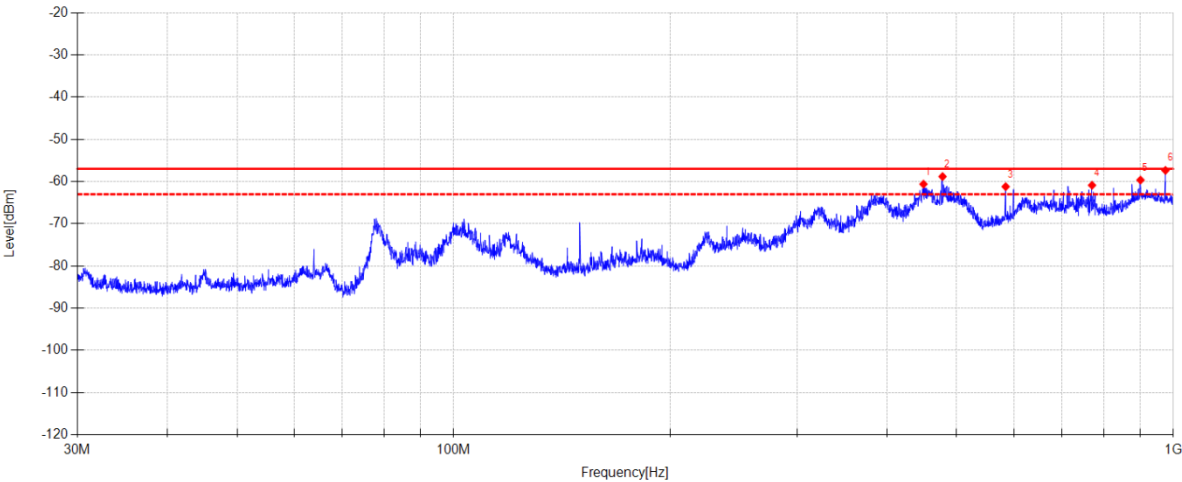
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25090923-2E\CE BELOW 1G BLE\2

Memo:

Sample Number:S25090923-005



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	449.628	46.27	-106.90	-60.63	-57.00	3.63	PK	Vertical	ERP
2	477.910	46.95	-105.78	-58.83	-57.00	1.83	PK	Vertical	ERP
3	584.852	42.19	-103.41	-61.22	-57.00	4.22	PK	Vertical	ERP
4	770.948	40.15	-101.04	-60.89	-57.00	3.89	PK	Vertical	ERP
5	900.166	36.87	-96.52	-59.65	-57.00	2.65	PK	Vertical	ERP
6	975.074	40.21	-97.57	-57.36	-57.00	0.36	PK	Vertical	ERP

Final Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	449.628	44.77	-106.90	-62.13	-57.00	5.13	RMS	Vertical	ERP
2	477.910	45.58	-105.78	-60.20	-57.00	3.20	RMS	Vertical	ERP
3	584.852	40.29	-103.41	-63.12	-57.00	6.12	RMS	Vertical	ERP
4	770.948	38.41	-101.04	-62.63	-57.00	5.63	RMS	Vertical	ERP
5	900.166	34.62	-96.52	-61.90	-57.00	4.90	RMS	Vertical	ERP
6	975.074	38.09	-97.57	-59.48	-57.00	2.48	RMS	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.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-12-04

Tested By:

Cao Jie

Test Mode:

RX BLE1M 2402MHz Mode

Power Supply:

AC 230V/50Hz

Condition:

Temp:22.9°C;Humi:45.9%

Test Site:

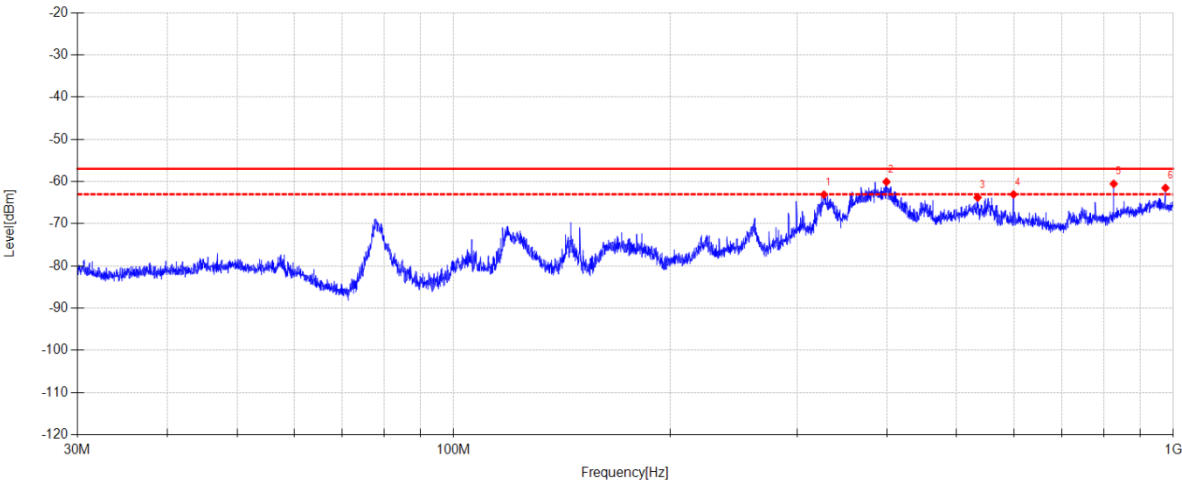
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25090923-2E\CE BELOW 1G BLE\3

Memo:

Sample Number:S25090923-005



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	327.042	47.82	-110.93	-63.11	-57.00	6.11	PK	Horizontal	ERP
2	399.383	49.34	-109.42	-60.08	-57.00	3.08	PK	Horizontal	ERP
3	534.648	43.33	-107.14	-63.81	-57.00	6.81	PK	Horizontal	ERP
4	599.803	41.82	-104.86	-63.04	-57.00	6.04	PK	Horizontal	ERP
5	826.365	41.67	-102.23	-60.56	-57.00	3.56	PK	Horizontal	ERP
6	975.074	37.72	-99.25	-61.53	-57.00	4.53	PK	Horizontal	ERP

Final Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	399.383	47.08	-109.42	-62.34	-57.00	5.34	RMS	Horizontal	ERP
2	826.365	39.52	-102.23	-62.71	-57.00	5.71	RMS	Horizontal	ERP
3	975.074	35.91	-99.25	-63.34	-57.00	6.34	RMS	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.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-12-04

Tested By:

Cao Jie

Test Mode:

RX BLE1M 2402MHz Mode

Power Supply:

AC 230V/50Hz

Condition:

Temp:22.9°C;Humi:45.9%

Test Site:

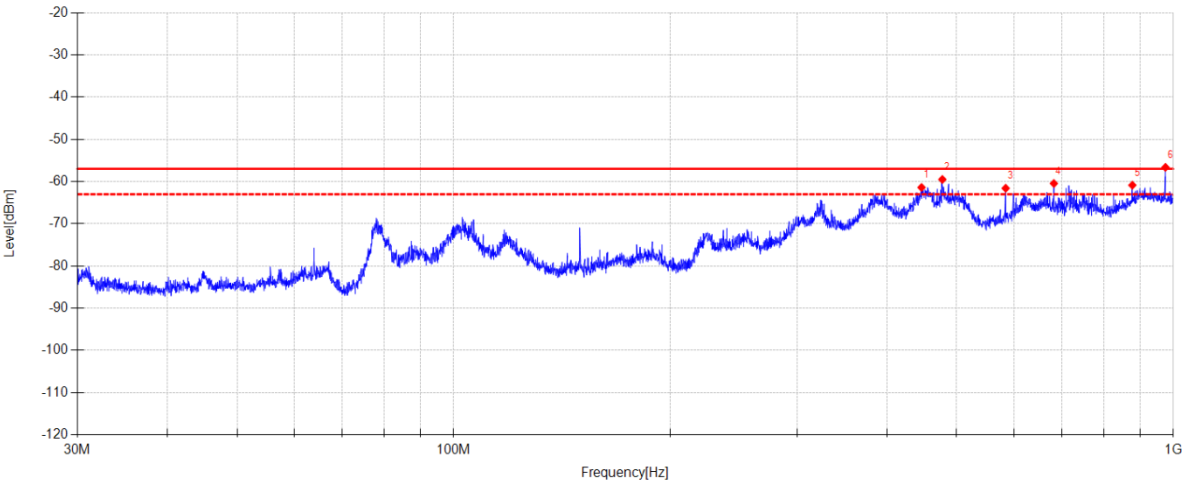
DDT 3# Chamber

File Path:

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Memo:

Sample Number:S25090923-005



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	446.799	45.54	-106.95	-61.41	-57.00	4.41	PK	Vertical	ERP
2	477.575	46.28	-105.79	-59.51	-57.00	2.51	PK	Vertical	ERP
3	584.852	41.81	-103.41	-61.60	-57.00	4.60	PK	Vertical	ERP
4	682.401	41.84	-102.31	-60.47	-57.00	3.47	PK	Vertical	ERP
5	877.113	37.11	-97.98	-60.87	-57.00	3.87	PK	Vertical	ERP
6	975.074	40.93	-97.57	-56.64	-57.00	-0.36	PK	Vertical	ERP

Final Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	446.799	43.32	-106.95	-63.63	-57.00	6.63	RMS	Vertical	ERP
2	477.575	44.16	-105.79	-61.63	-57.00	4.63	RMS	Vertical	ERP
3	584.852	40.29	-103.41	-63.12	-57.00	6.12	RMS	Vertical	ERP
4	682.401	39.48	-102.31	-62.83	-57.00	5.83	RMS	Vertical	ERP
5	877.113	35.65	-97.98	-62.33	-57.00	5.33	RMS	Vertical	ERP
6	975.074	37.71	-97.57	-59.86	-57.00	2.86	RMS	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.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-12-04

Tested By:

Cao Jie

Test Mode:

RX BLE2M 2404MHz Mode

Power Supply:

AC 230V/50Hz

Condition:

Temp:22.9°C;Humi:45.9%

Test Site:

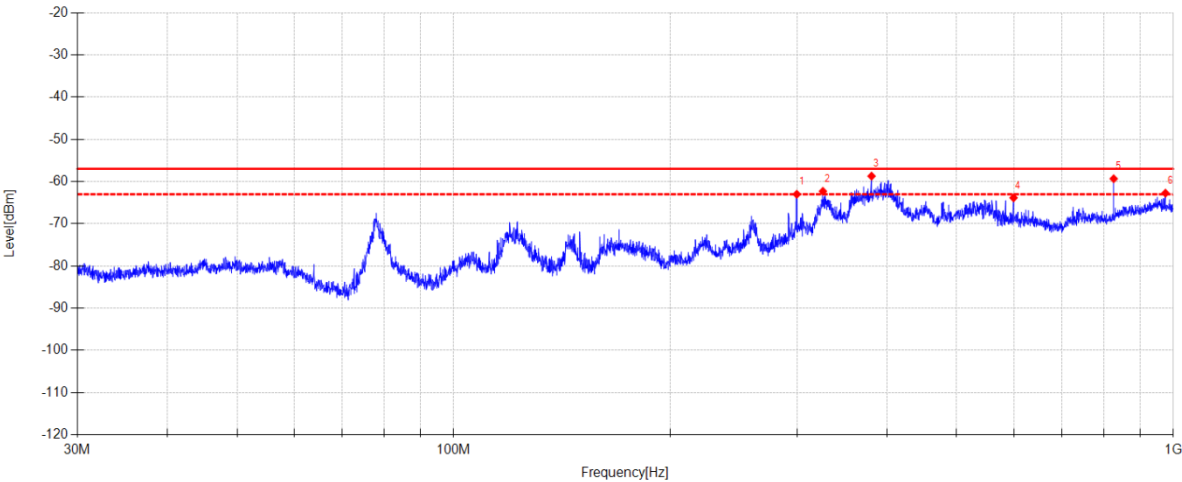
DDT 3# Chamber

File Path:

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Memo:

Sample Number:S25090923-005



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	299.808	48.72	-111.74	-63.02	-57.00	6.02	PK	Horizontal	ERP
2	325.897	48.66	-110.97	-62.31	-57.00	5.31	PK	Horizontal	ERP
3	380.788	50.99	-109.72	-58.73	-57.00	1.73	PK	Horizontal	ERP
4	599.803	40.99	-104.86	-63.87	-57.00	6.87	PK	Horizontal	ERP
5	826.365	42.89	-102.23	-59.34	-57.00	2.34	PK	Horizontal	ERP
6	975.074	36.49	-99.25	-62.76	-57.00	5.76	PK	Horizontal	ERP

Final Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	326.955	46.20	-110.97	-64.77	-57.00	7.77	RMS	Horizontal	ERP
2	380.972	47.85	-109.72	-61.87	-57.00	4.87	RMS	Horizontal	ERP
3	826.662	41.05	-102.23	-61.18	-57.00	4.18	RMS	Horizontal	ERP
4	974.994	34.54	-99.25	-64.71	-57.00	7.71	RMS	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.

TR-4-E-009 Radiated Emission Test Result

Test Date:2025-12-04

Tested By:Cao Jie

Test Mode:RX BLE2M 2404MHz Mode

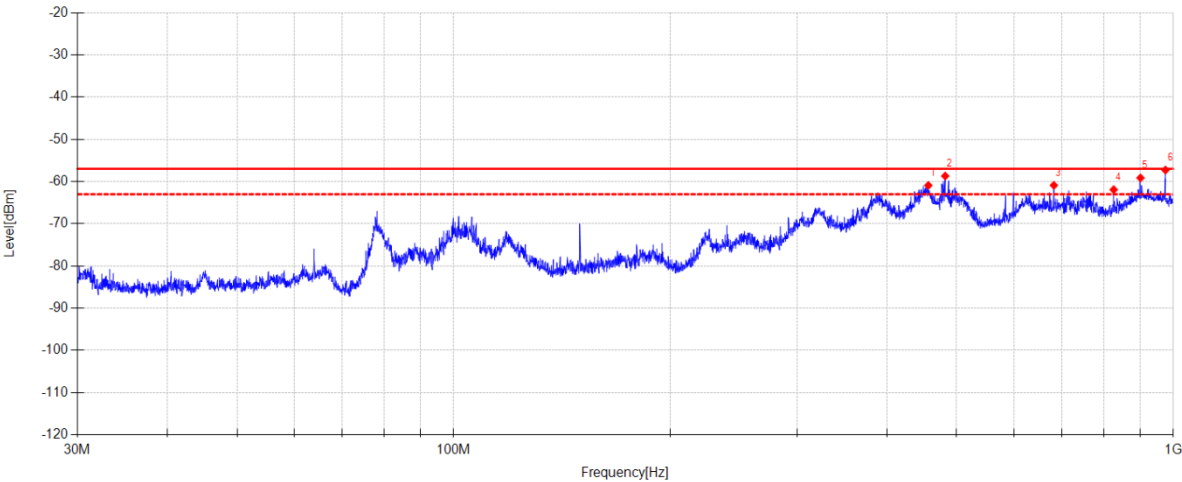
Power Supply:AC 230V/50Hz

Condition:Temp:22.9°C;Humi:45.9%

Test Site:DDT 3# Chamber

File Path:d:\ts\2025 report date\Q25090923-2E\CE BELOW 1G BLE\6

Memo:Sample Number:S25090923-005



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	456.617	45.69	-106.62	-60.93	-57.00	3.93	PK	Vertical	ERP
2	481.948	46.92	-105.62	-58.70	-57.00	1.70	PK	Vertical	ERP
3	682.401	41.41	-102.31	-60.90	-57.00	3.90	PK	Vertical	ERP
4	826.365	38.64	-100.57	-61.93	-57.00	4.93	PK	Vertical	ERP
5	900.166	37.38	-96.52	-59.14	-57.00	2.14	PK	Vertical	ERP
6	975.074	40.28	-97.57	-57.29	-57.00	0.29	PK	Vertical	ERP

Final Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	456.617	44.36	-106.62	-62.26	-57.00	5.26	RMS	Vertical	ERP
2	481.948	44.69	-105.62	-60.93	-57.00	3.93	RMS	Vertical	ERP
3	682.401	39.87	-102.31	-62.44	-57.00	5.44	RMS	Vertical	ERP
4	826.365	36.94	-100.57	-63.63	-57.00	6.63	RMS	Vertical	ERP
5	900.166	34.79	-96.52	-61.73	-57.00	4.73	RMS	Vertical	ERP
6	975.074	37.61	-97.57	-59.96	-57.00	2.96	RMS	Vertical	ERP

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-12-05

Tested By:

Cao Jie

Test Mode:

RX BLE2M 2478MHz Mode

Power Supply:

AC 230V/50Hz

Condition:

Temp:22.9°C;Humi:45.9%

Test Site:

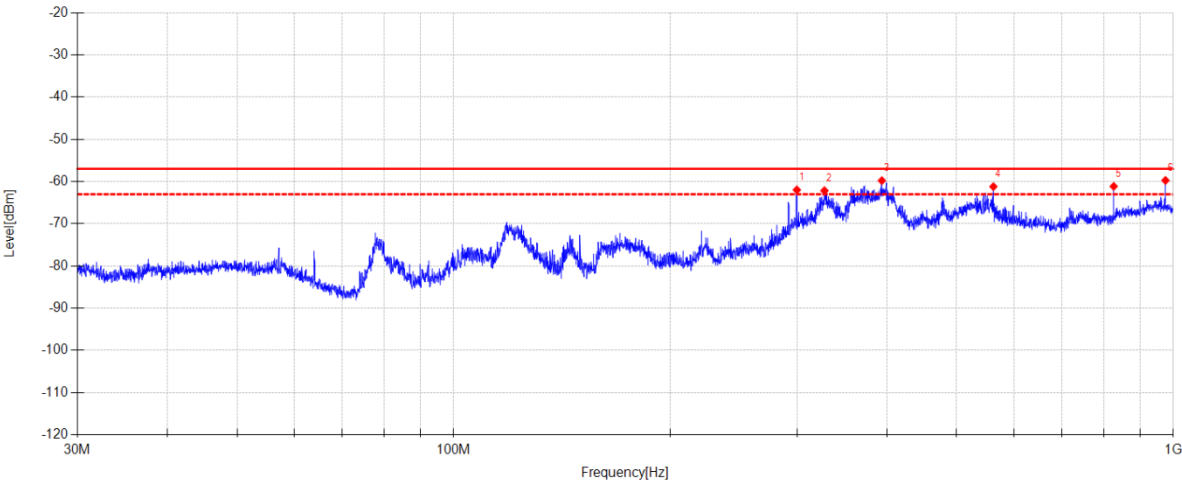
DDT 3# Chamber

File Path:

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Memo:

Sample Number:S25090923-005



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	299.808	49.75	-111.74	-61.99	-57.00	4.99	PK	Horizontal	ERP
2	327.501	48.74	-110.91	-62.17	-57.00	5.17	PK	Horizontal	ERP
3	393.546	49.73	-109.52	-59.79	-57.00	2.79	PK	Horizontal	ERP
4	562.333	45.32	-106.53	-61.21	-57.00	4.21	PK	Horizontal	ERP
5	826.365	41.08	-102.23	-61.15	-57.00	4.15	PK	Horizontal	ERP
6	975.074	39.51	-99.25	-59.74	-57.00	2.74	PK	Horizontal	ERP

Final Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	299.808	48.18	-111.74	-63.56	-57.00	6.56	RMS	Horizontal	ERP
2	327.501	48.23	-110.91	-62.68	-57.00	5.68	RMS	Horizontal	ERP
3	393.546	48.47	-109.52	-61.05	-57.00	4.05	RMS	Horizontal	ERP
4	562.333	42.66	-106.53	-63.87	-57.00	6.87	RMS	Horizontal	ERP
5	826.365	38.73	-102.23	-63.50	-57.00	6.50	RMS	Horizontal	ERP
6	975.074	37.96	-99.25	-61.29	-57.00	4.29	RMS	Horizontal	ERP

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date:2025-12-05

Tested By:Cao Jie

Test Mode:RX BLE2M 2478MHz Mode

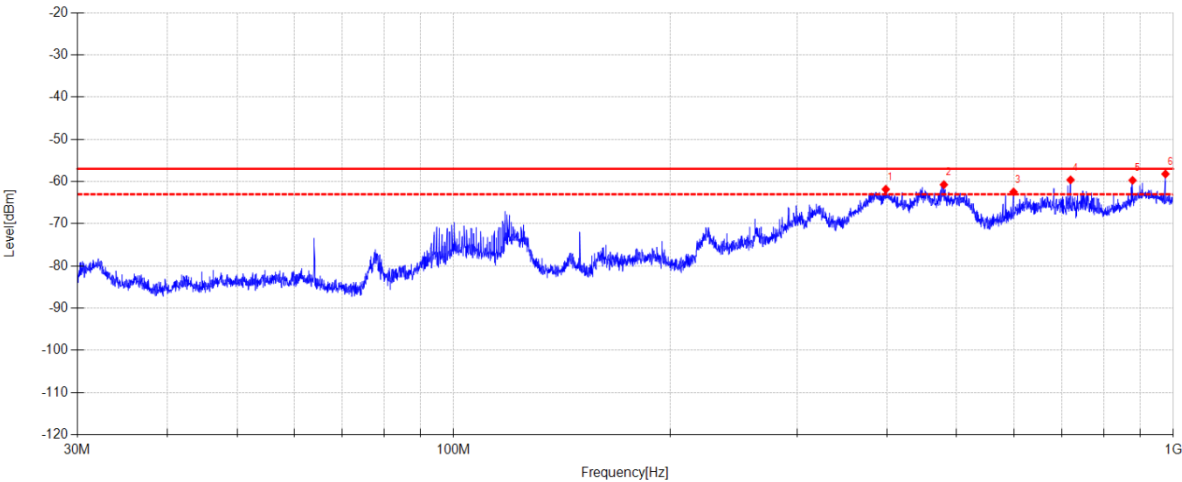
Power Supply:AC 230V/50Hz

Condition:Temp:22.9°C;Humi:45.9%

Test Site:DDT 3# Chamber

File Path:d:\ts\2025 report date\Q25090923-2E\CE BELOW 1G BLE\8

Memo:Sample Number:S25090923-005



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	398.544	46.00	-107.84	-61.84	-57.00	4.84	PK	Vertical	ERP
2	479.925	44.96	-105.71	-60.75	-57.00	3.75	PK	Vertical	ERP
3	599.803	40.28	-102.74	-62.46	-57.00	5.46	PK	Vertical	ERP
4	719.751	42.12	-101.73	-59.61	-57.00	2.61	PK	Vertical	ERP
5	877.729	38.21	-97.93	-59.72	-57.00	2.72	PK	Vertical	ERP
6	975.074	39.35	-97.57	-58.22	-57.00	1.22	PK	Vertical	ERP

Final Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	398.544	44.25	-107.84	-63.59	-57.00	6.59	RMS	Vertical	ERP
2	479.925	43.56	-105.71	-62.15	-57.00	5.15	RMS	Vertical	ERP
3	599.803	38.31	-102.74	-64.43	-57.00	7.43	RMS	Vertical	ERP
4	719.751	40.71	-101.73	-61.02	-57.00	4.02	RMS	Vertical	ERP
5	877.729	36.70	-97.93	-61.23	-57.00	4.23	RMS	Vertical	ERP
6	975.074	37.56	-97.57	-60.01	-57.00	3.01	RMS	Vertical	ERP

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-12-05

Tested By:

Li Xiongbín

Test Mode:

RX BLE1M 2402MHz Mode

Power Supply:

AC 230V/50Hz

Condition:

Temp:22.9°C;Humi:45.9%

Test Site:

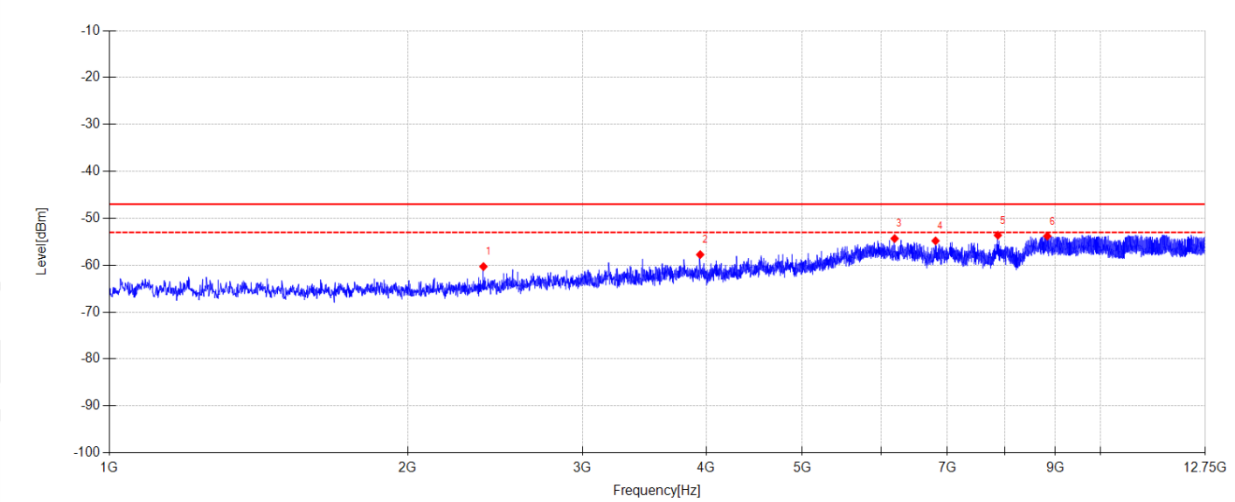
DDT 3# Chamber

File Path:

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Memo:

Sample Number:S25090923-005



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	2384.150	43.62	-103.92	-60.30	-47.00	13.30	PK	Horizontal	EIRP
2	3944.550	43.43	-101.18	-57.75	-47.00	10.75	PK	Horizontal	EIRP
3	6195.850	39.89	-94.22	-54.33	-47.00	7.33	PK	Horizontal	EIRP
4	6813.900	39.77	-94.58	-54.81	-47.00	7.81	PK	Horizontal	EIRP
5	7874.925	39.97	-93.59	-53.62	-47.00	6.62	PK	Horizontal	EIRP
6	8832.550	36.49	-90.29	-53.80	-47.00	6.80	PK	Horizontal	EIRP

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-12-05

Tested By:

Li Xiongbín

Test Mode:

RX BLE1M 2402MHz Mode

Power Supply:

AC 230V/50Hz

Condition:

Temp:22.9°C;Humi:45.9%

Test Site:

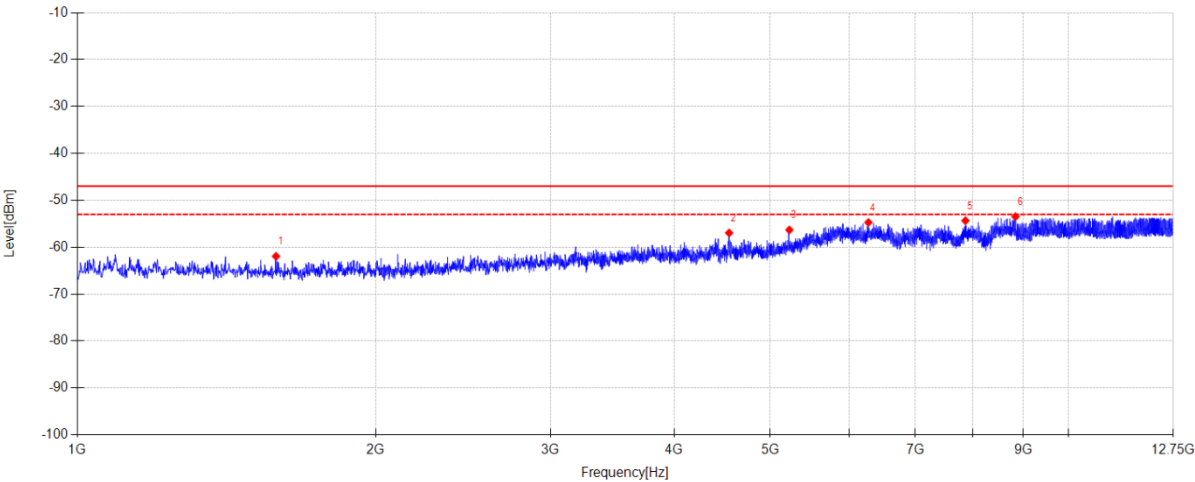
DDT 3# Chamber

File Path:

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Memo:

Sample Number:S25090923-005



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1586.325	42.34	-104.29	-61.95	-47.00	14.95	PK	Vertical	EIRP
2	4543.800	42.92	-99.88	-56.96	-47.00	9.96	PK	Vertical	EIRP
3	5226.475	41.44	-97.76	-56.32	-47.00	9.32	PK	Vertical	EIRP
4	6279.275	39.56	-94.29	-54.73	-47.00	7.73	PK	Vertical	EIRP
5	7866.700	38.92	-93.27	-54.35	-47.00	7.35	PK	Vertical	EIRP
6	8836.075	37.02	-90.50	-53.48	-47.00	6.48	PK	Vertical	EIRP

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-12-05

Tested By:

Li Xiongbín

Test Mode:

RX BLE1M 2480MHz Mode

Power Supply:

AC 230V/50Hz

Condition:

Temp:22.9°C;Humi:45.9%

Test Site:

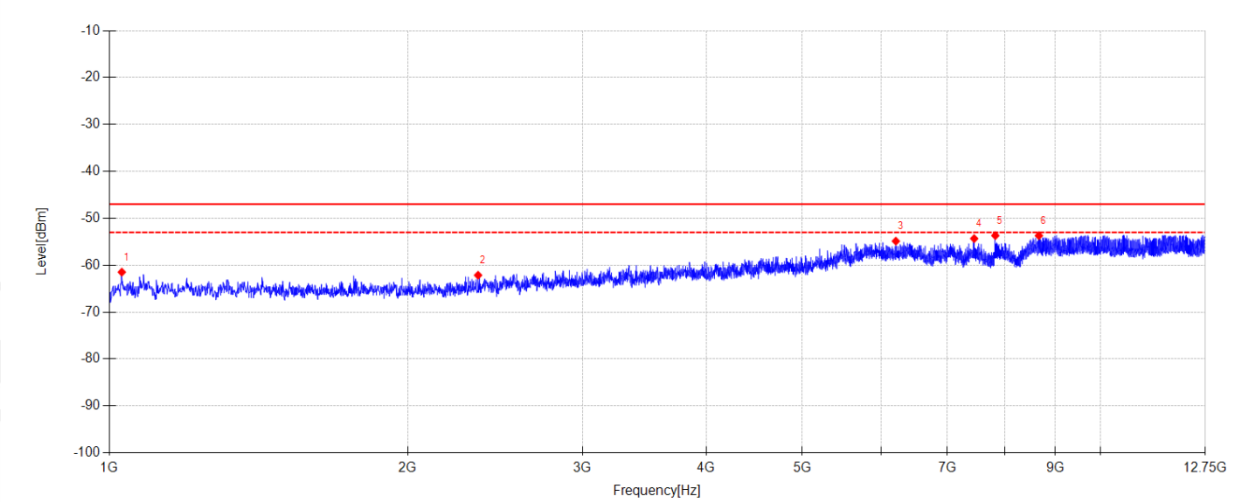
DDT 3# Chamber

File Path:

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Memo:

Sample Number:S25090923-005



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1029.375	42.96	-104.44	-61.48	-47.00	14.48	PK	Horizontal	EIRP
2	2354.775	41.84	-103.98	-62.14	-47.00	15.14	PK	Horizontal	EIRP
3	6213.475	39.35	-94.23	-54.88	-47.00	7.88	PK	Horizontal	EIRP
4	7453.100	39.79	-94.12	-54.33	-47.00	7.33	PK	Horizontal	EIRP
5	7827.925	39.97	-93.66	-53.69	-47.00	6.69	PK	Horizontal	EIRP
6	8663.350	37.22	-90.93	-53.71	-47.00	6.71	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.

TR-4-E-009 Radiated Emission Test Result

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:

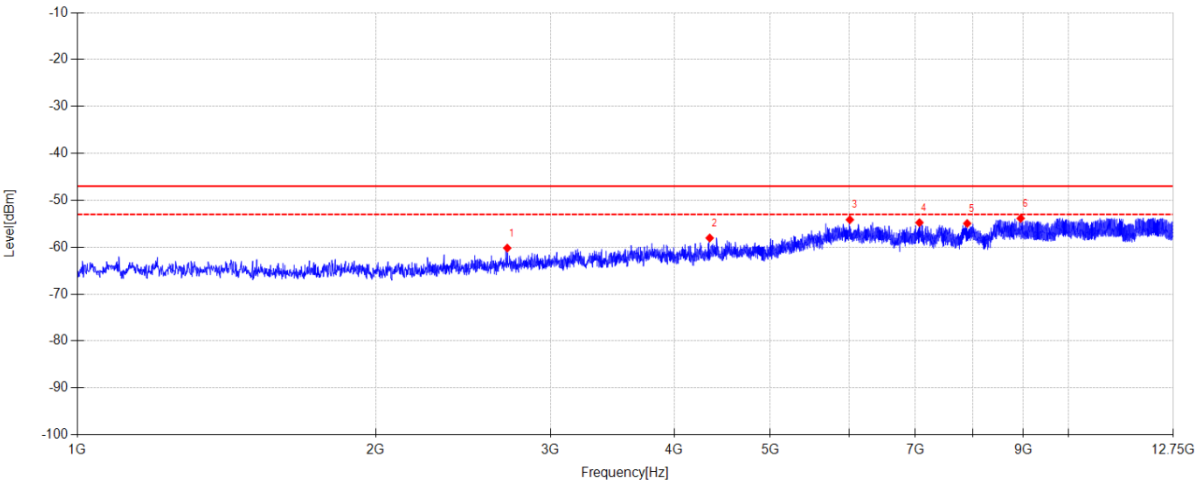
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25090923-2E\CE ABOVE 1G BLE\4

Memo:

Sample Number:S25090923-005



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	2714.325	42.96	-103.15	-60.19	-47.00	13.19	PK	Vertical	EIRP
2	4344.050	42.30	-100.34	-58.04	-47.00	11.04	PK	Vertical	EIRP
3	6014.900	39.95	-94.09	-54.14	-47.00	7.14	PK	Vertical	EIRP
4	7070.050	39.95	-94.71	-54.76	-47.00	7.76	PK	Vertical	EIRP
5	7899.600	38.27	-93.22	-54.95	-47.00	7.95	PK	Vertical	EIRP
6	8944.175	36.32	-90.18	-53.86	-47.00	6.86	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.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-12-05

Tested By:

Li Xiongbín

Test Mode:

RX BLE2M 2478MHz Mode

Power Supply:

AC 230V/50Hz

Condition:

Temp:22.9°C;Humi:45.9%

Test Site:

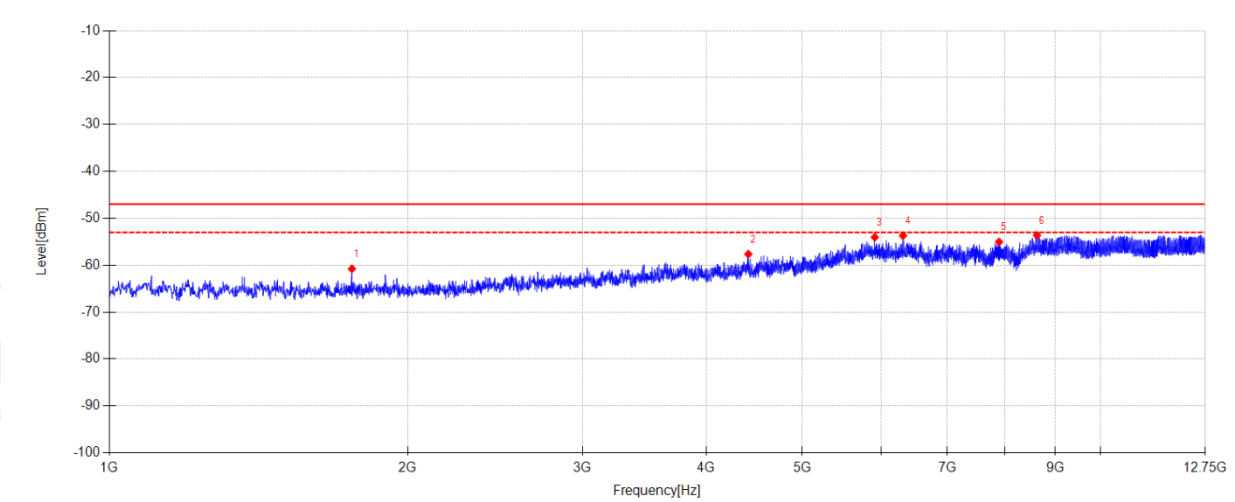
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25090923-2E\CE ABOVE 1G BLE\5

Memo:

Sample Number:S25090923-005



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1756.700	43.86	-104.63	-60.77	-47.00	13.77	PK	Horizontal	EIRP
2	4411.025	42.32	-99.96	-57.64	-47.00	10.64	PK	Horizontal	EIRP
3	5917.375	40.42	-94.46	-54.04	-47.00	7.04	PK	Horizontal	EIRP
4	6318.050	40.58	-94.30	-53.72	-47.00	6.72	PK	Horizontal	EIRP
5	7897.250	38.53	-93.57	-55.04	-47.00	8.04	PK	Horizontal	EIRP
6	8624.575	37.45	-91.08	-53.63	-47.00	6.63	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.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-12-05

Tested By:

Li Xiongbín

Test Mode:

RX BLE2M 2478MHz Mode

Power Supply:

AC 230V/50Hz

Condition:

Temp:22.9°C;Humi:45.9%

Test Site:

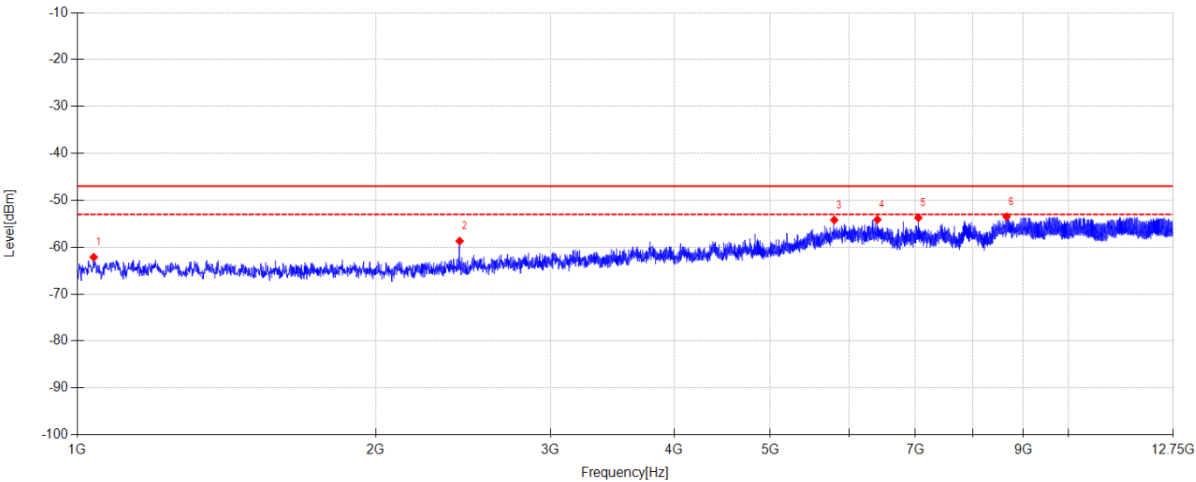
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25090923-2E\CE ABOVE 1G BLE\6

Memo:

Sample Number:S25090923-005



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1038.775	41.92	-104.07	-62.15	-47.00	15.15	PK	Vertical	EIRP
2	2429.975	44.97	-103.66	-58.69	-47.00	11.69	PK	Vertical	EIRP
3	5801.050	40.83	-95.02	-54.19	-47.00	7.19	PK	Vertical	EIRP
4	6412.050	40.27	-94.39	-54.12	-47.00	7.12	PK	Vertical	EIRP
5	7052.425	41.01	-94.74	-53.73	-47.00	6.73	PK	Vertical	EIRP
6	8656.300	37.55	-91.04	-53.49	-47.00	6.49	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.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-12-05

Tested By:

Li Xiongbín

Test Mode:

RX BLE2M 2404MHz Mode

Power Supply:

AC 230V/50Hz

Condition:

Temp:22.9°C;Humi:45.9%

Test Site:

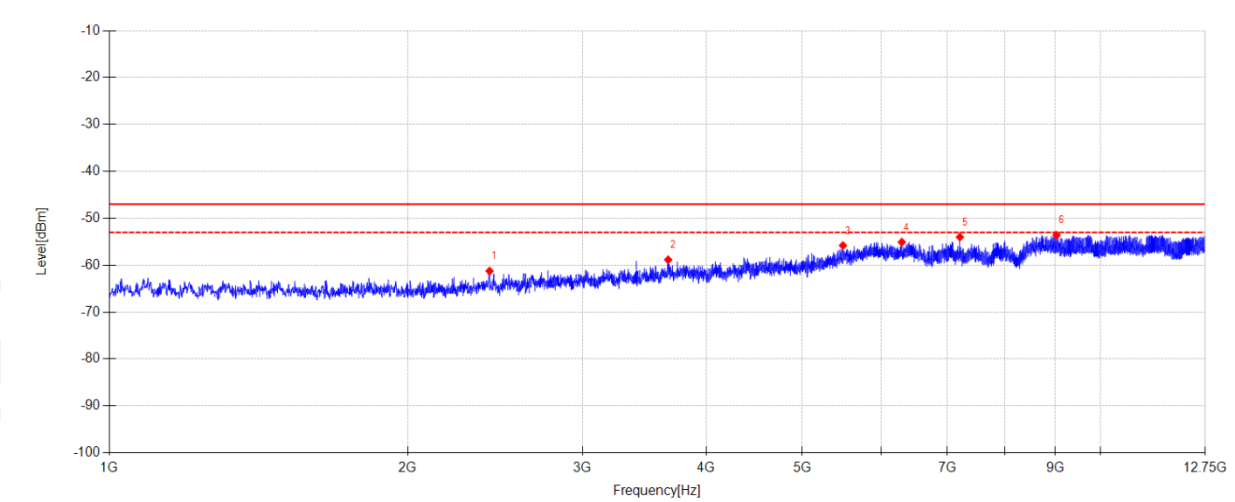
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25090923-2E\CE ABOVE 1G BLE\7

Memo:

Sample Number:S25090923-005



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	2418.225	42.61	-103.86	-61.25	-47.00	14.25	PK	Horizontal	EIRP
2	3661.375	42.77	-101.62	-58.85	-47.00	11.85	PK	Horizontal	EIRP
3	5495.550	40.44	-96.25	-55.81	-47.00	8.81	PK	Horizontal	EIRP
4	6300.425	39.20	-94.28	-55.08	-47.00	8.08	PK	Horizontal	EIRP
5	7209.875	40.44	-94.43	-53.99	-47.00	6.99	PK	Horizontal	EIRP
6	9025.250	36.04	-89.64	-53.60	-47.00	6.60	PK	Horizontal	EIRP

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-12-05

Tested By:

Li Xiongbín

Test Mode:

RX BLE2M 2404MHz Mode

Power Supply:

AC 230V/50Hz

Condition:

Temp:22.9°C;Humi:45.9%

Test Site:

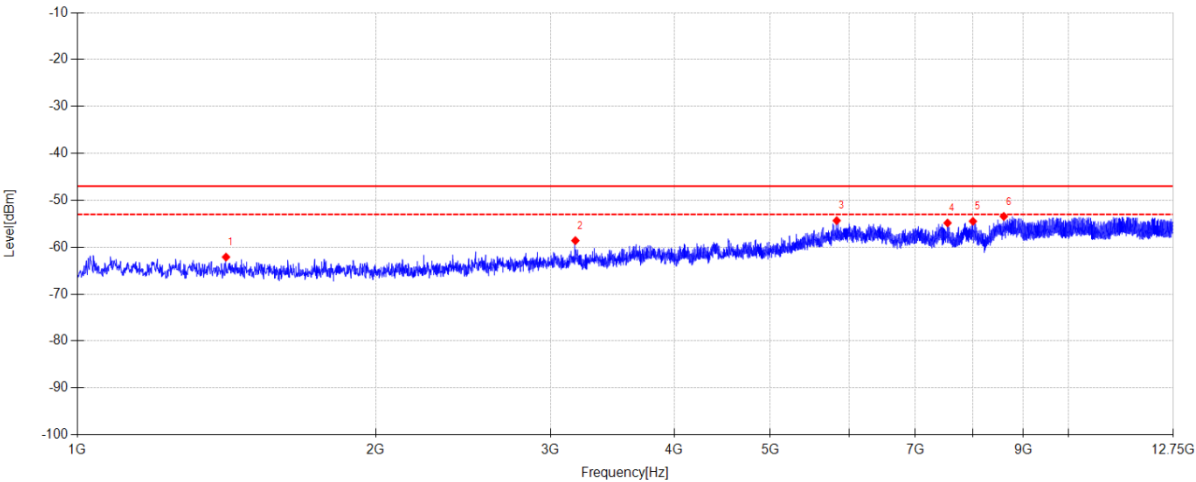
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25090923-2E\CE ABOVE 1G BLE\8

Memo:

Sample Number:S25090923-005

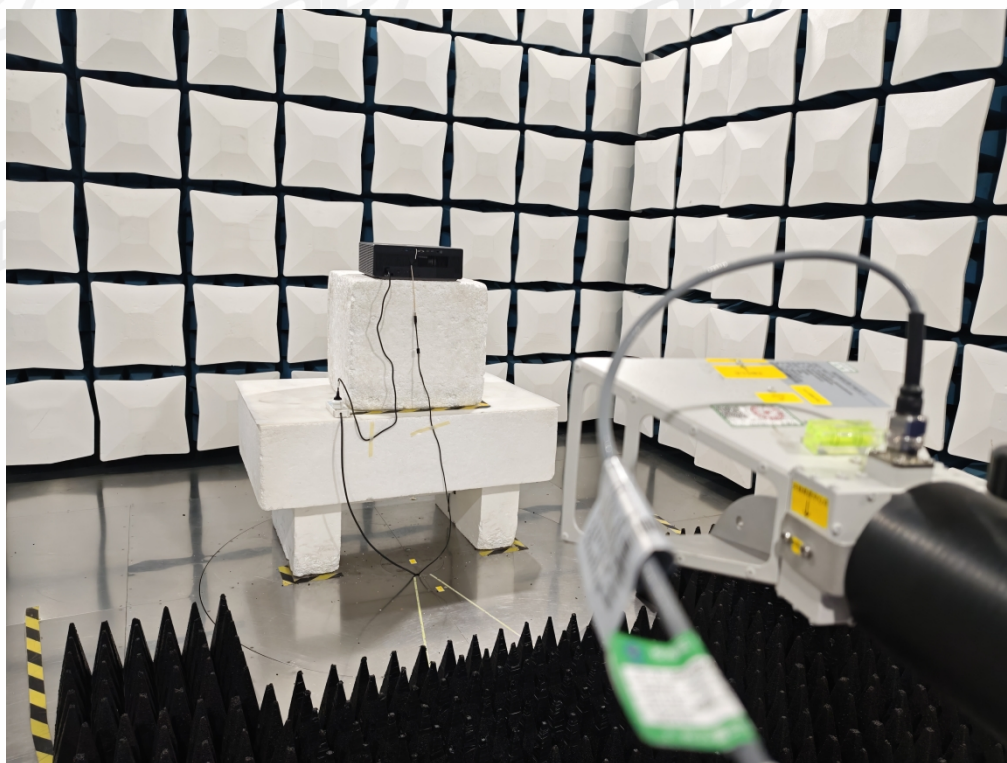


Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Detector	Polarity	Type
1	1412.425	42.10	-104.21	-62.11	-47.00	15.11	PK	Vertical	EIRP
2	3179.625	43.76	-102.36	-58.60	-47.00	11.60	PK	Vertical	EIRP
3	5833.950	40.54	-94.87	-54.33	-47.00	7.33	PK	Vertical	EIRP
4	7547.100	39.02	-93.86	-54.84	-47.00	7.84	PK	Vertical	EIRP
5	8005.350	38.53	-93.01	-54.48	-47.00	7.48	PK	Vertical	EIRP
6	8599.900	37.77	-91.21	-53.44	-47.00	6.44	PK	Vertical	EIRP

Note:

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

11. Test Setup Photograph





12. Photos of the EUT

Please refer to DDT-Q25090923-1E appendix I

-----End Report-----