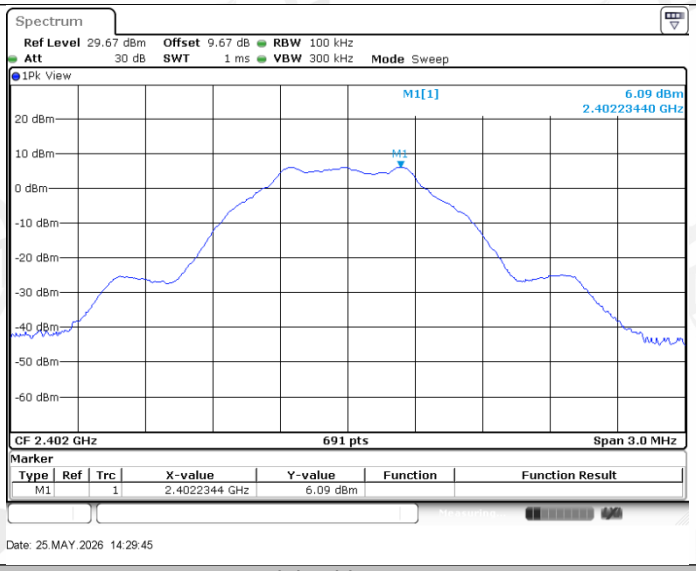
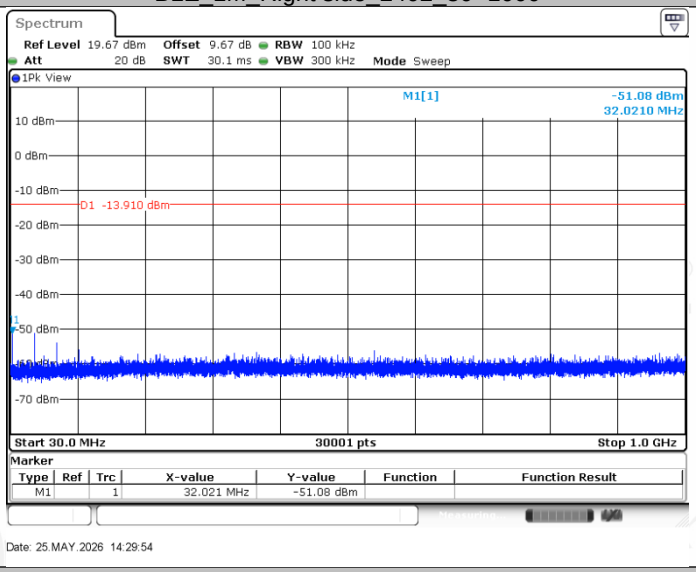
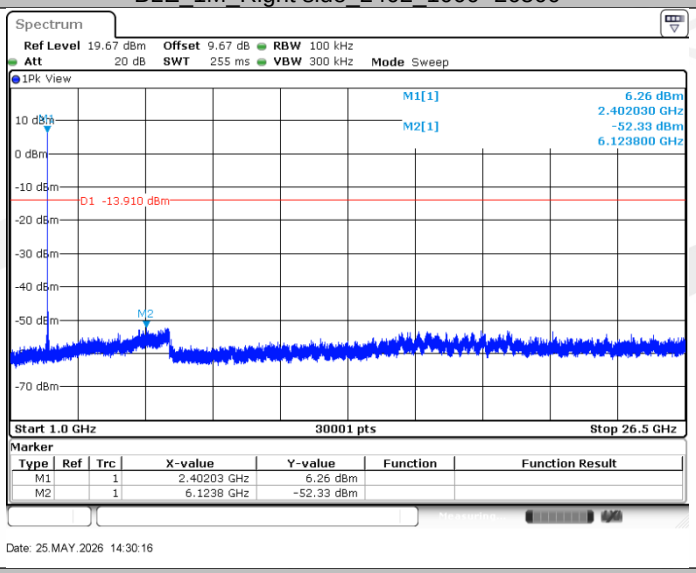


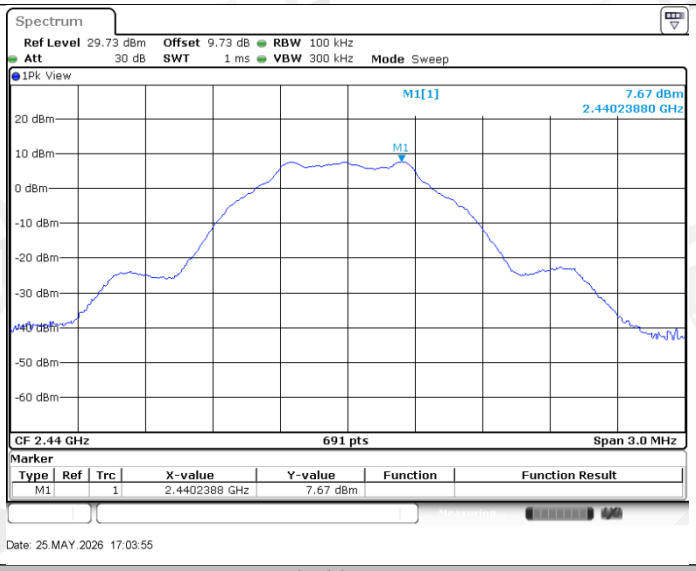
BLE_1M_Right side_2402_30~1000



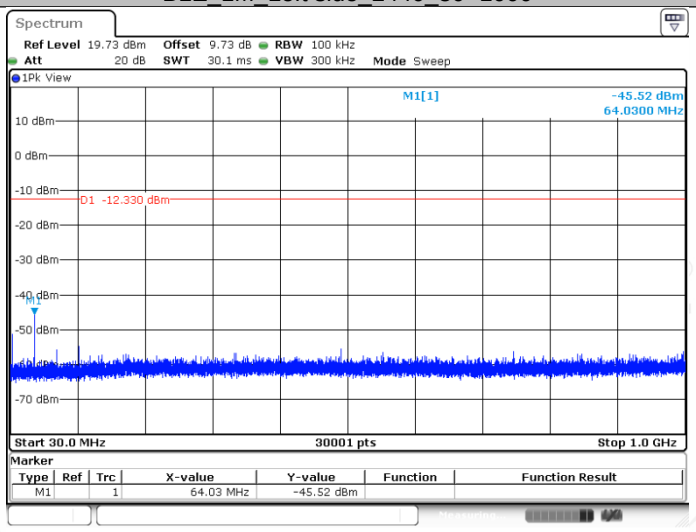
BLE_1M_Right side_2402_1000~26500



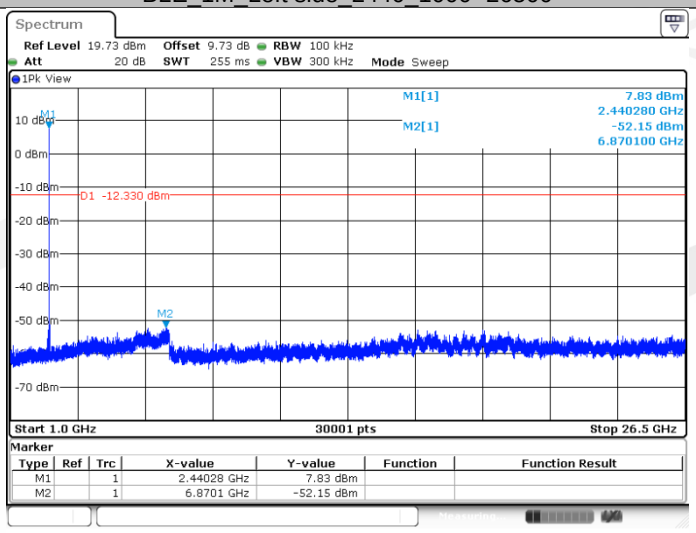
BLE_1M_Left side_2440_0~Reference



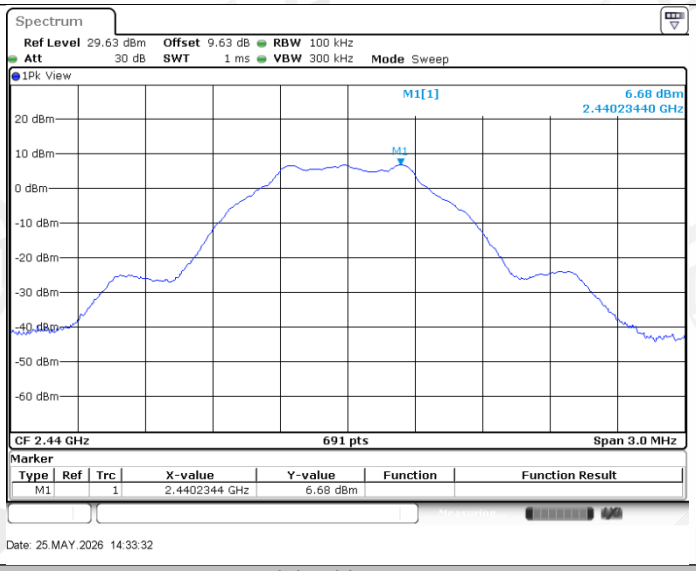
BLE_1M_Left side_2440_30~1000



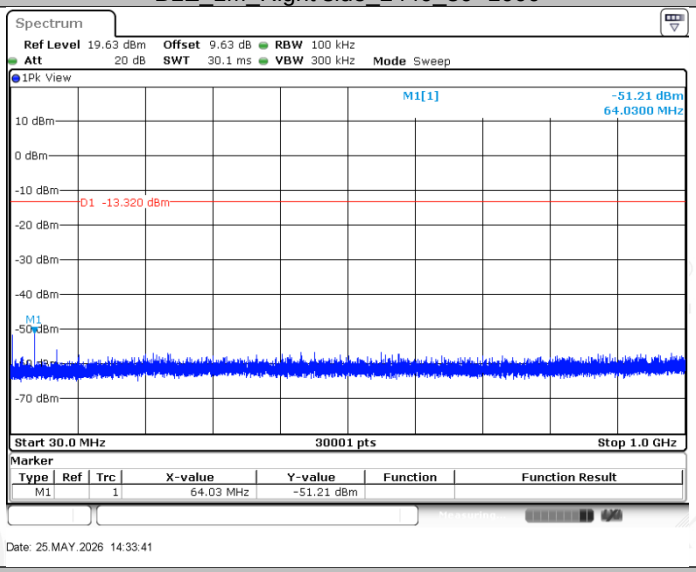
BLE_1M_Left side_2440_1000~26500



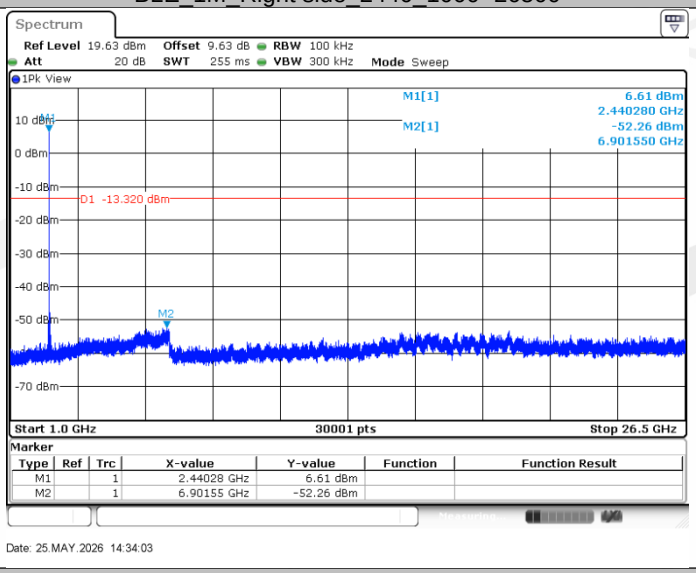
BLE_1M_Right side_2440_0~Reference



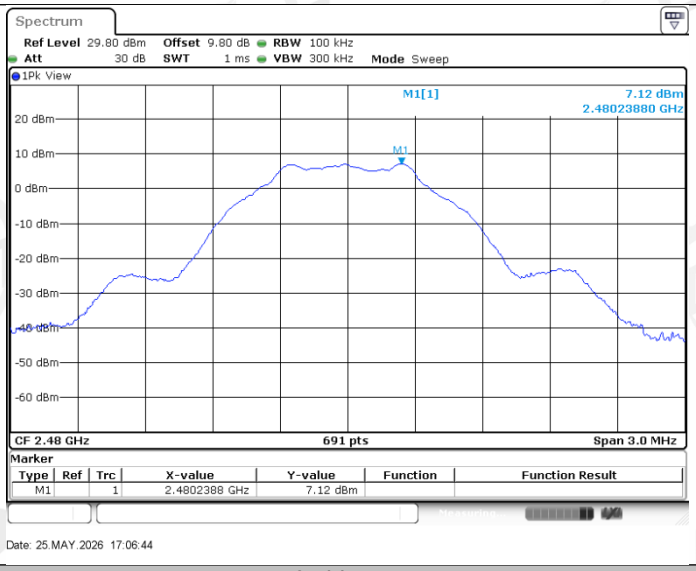
BLE_1M_Right side_2440_30~1000



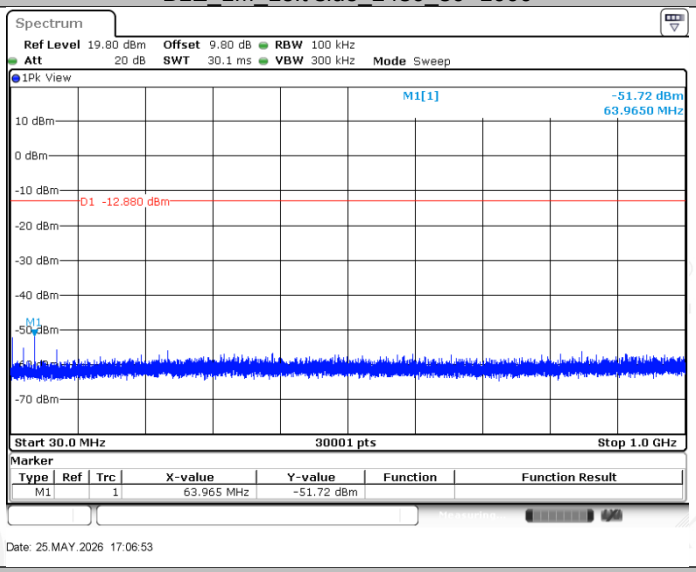
BLE_1M_Right side_2440_1000~26500



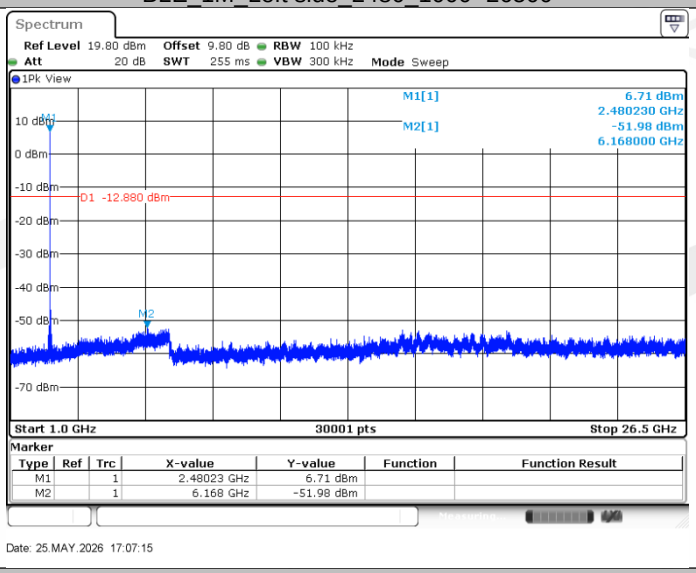
BLE_1M_Left side_2480_0~Reference



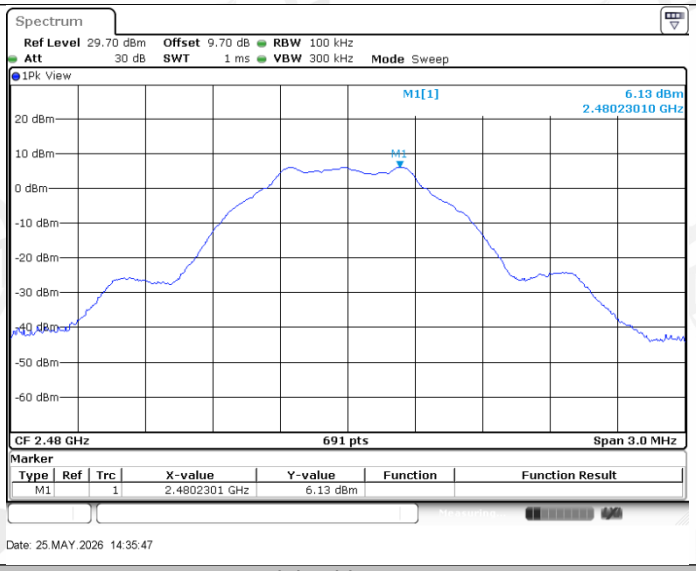
BLE_1M_Left side_2480_30~1000



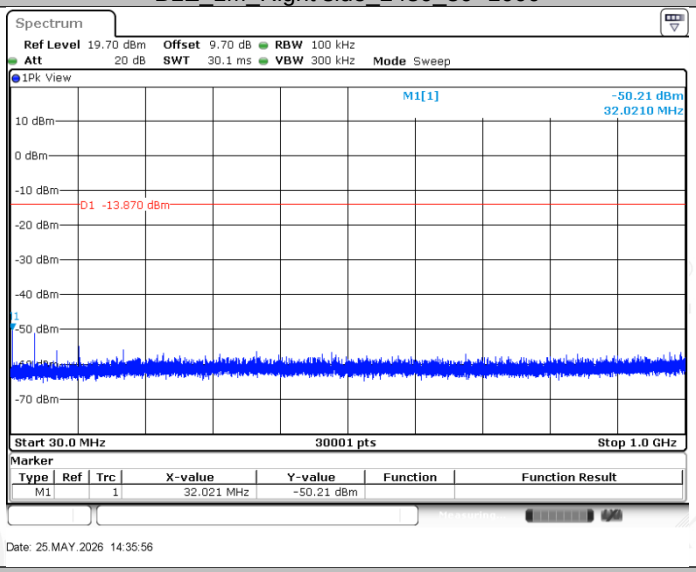
BLE_1M_Left side_2480_1000~26500



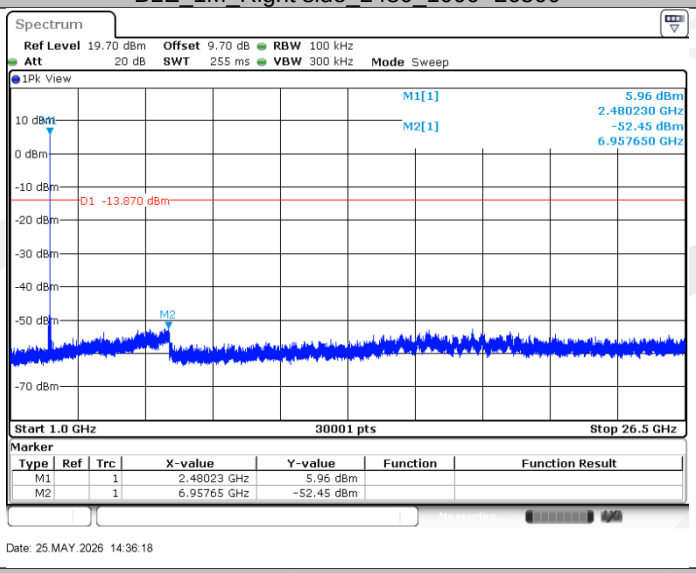
BLE_1M_Right side_2480_0~Reference



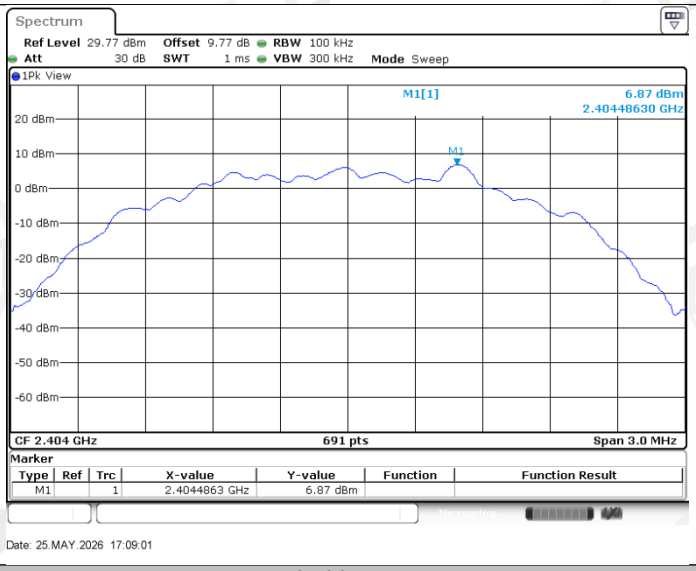
BLE_1M_Right side_2480_30~1000



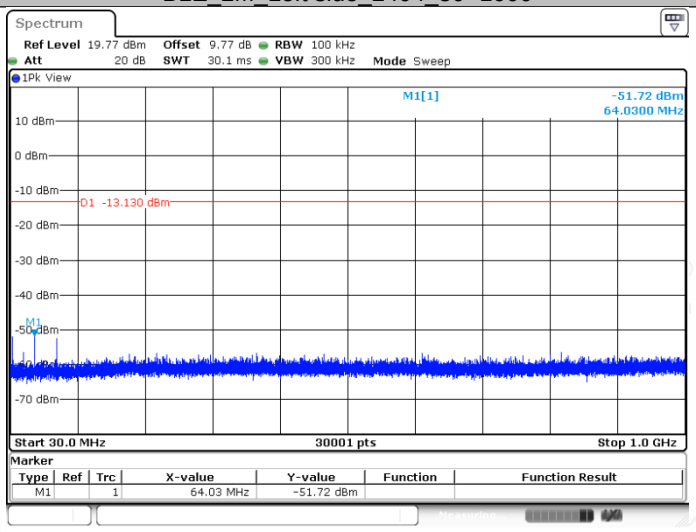
BLE_1M_Right side_2480_1000~26500



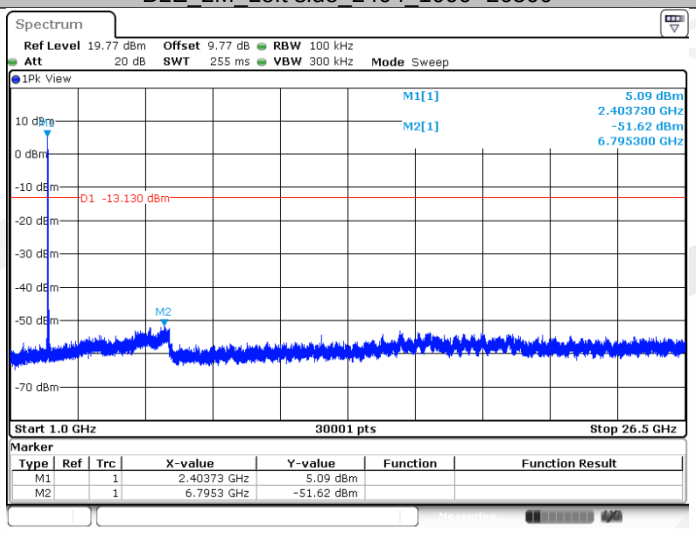
BLE_2M_Left side_2404_0~Reference



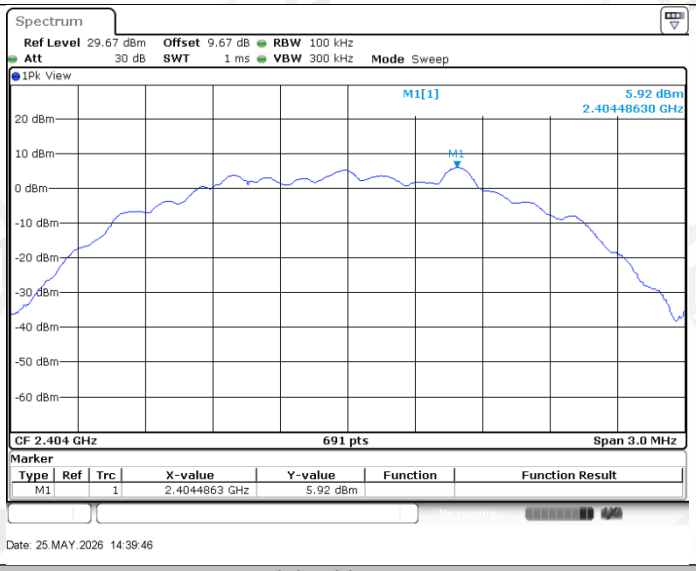
BLE_2M_Left side_2404_30~1000



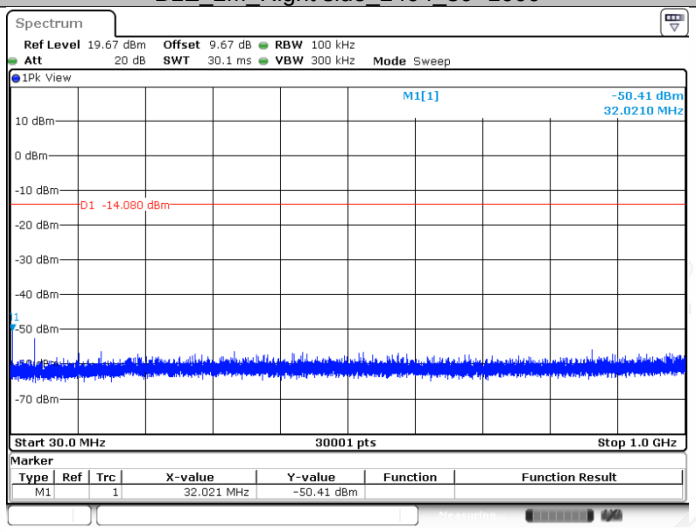
BLE_2M_Left side_2404_1000~26500



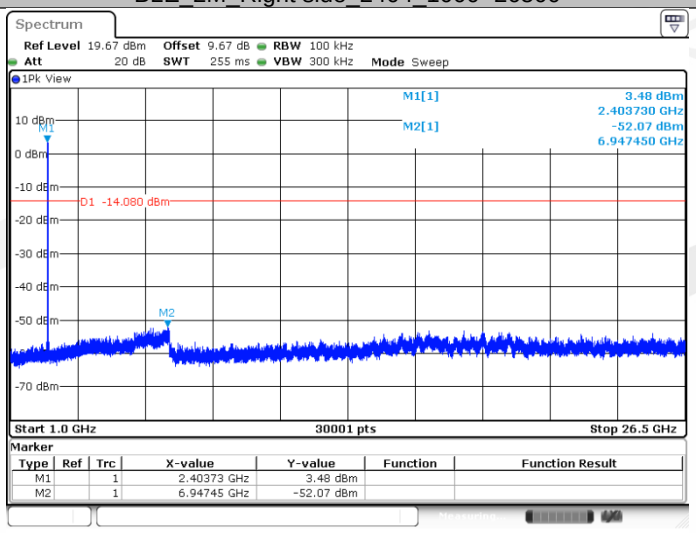
BLE_2M_Right side_2404_0~Reference



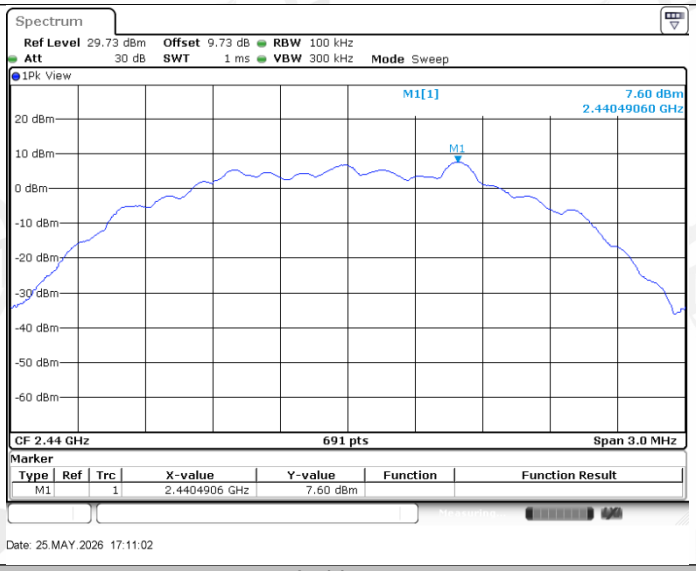
BLE_2M_Right side_2404_30~1000



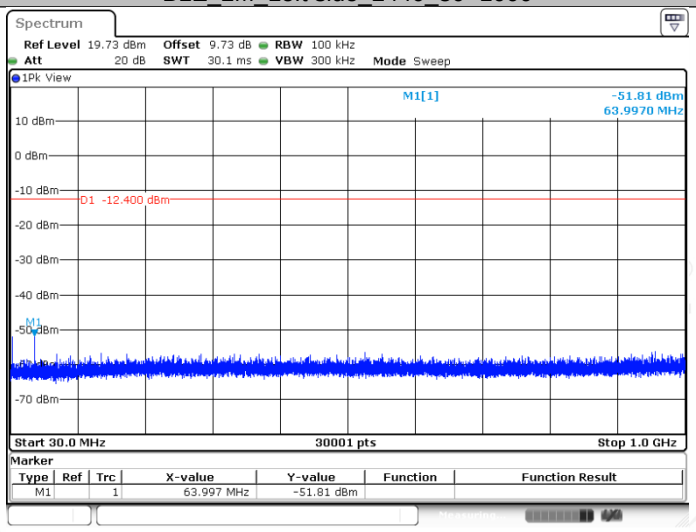
BLE_2M_Right side_2404_1000~26500



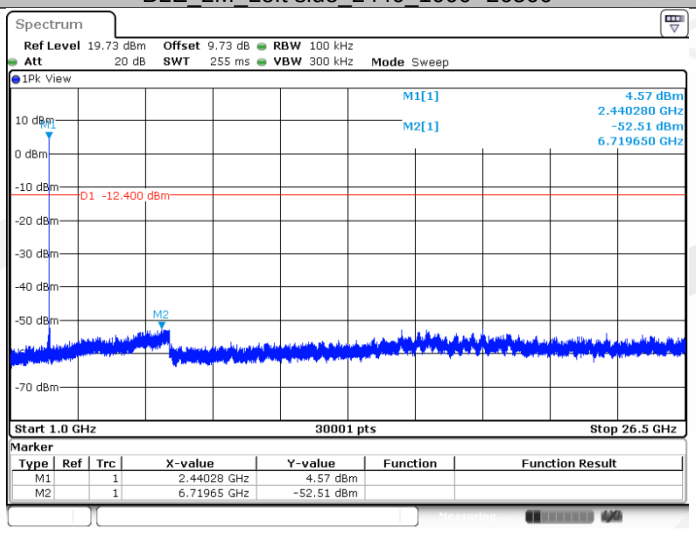
BLE_2M_Left side_2440_0~Reference



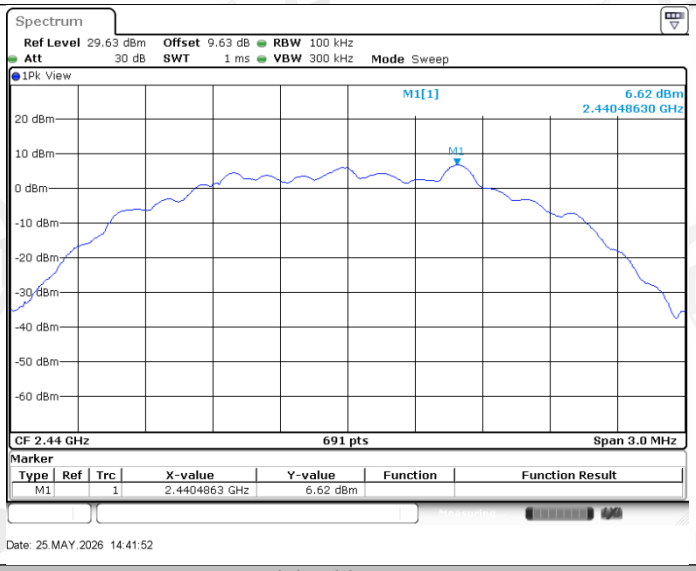
BLE_2M_Left side_2440_30~1000



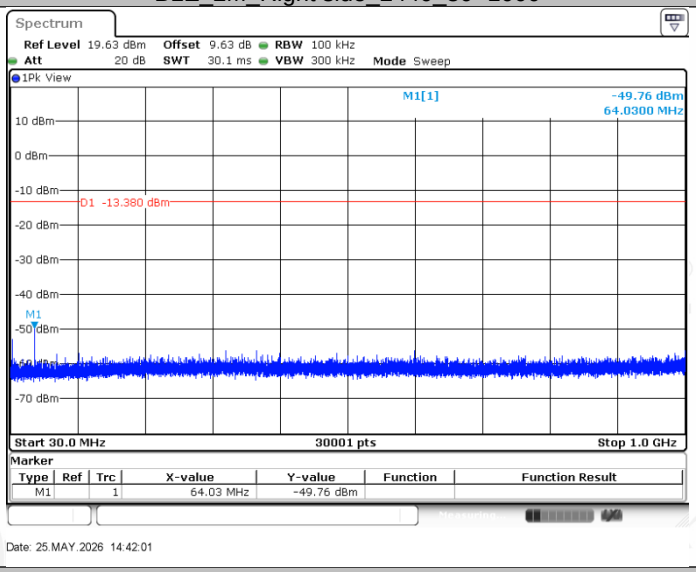
BLE_2M_Left side_2440_1000~26500



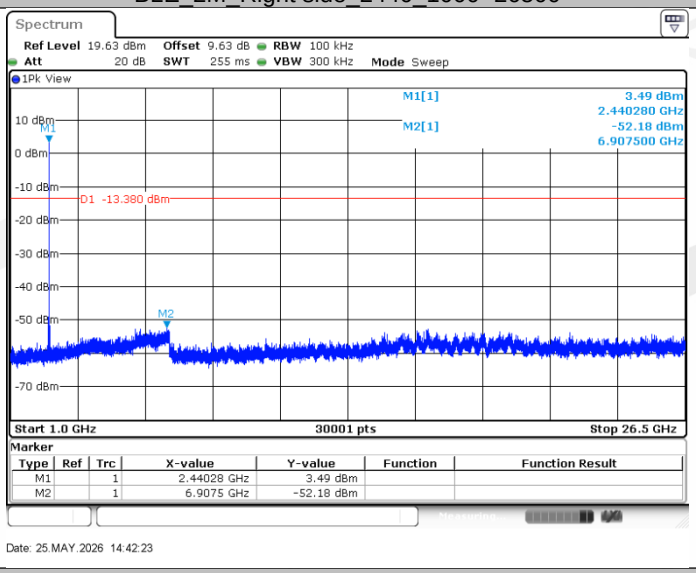
BLE_2M_Right side_2440_0~Reference



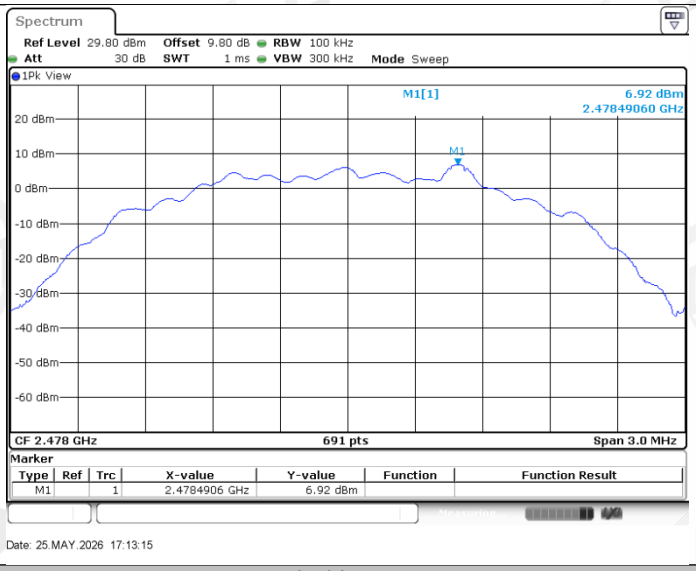
BLE_2M_Right side_2440_30~1000



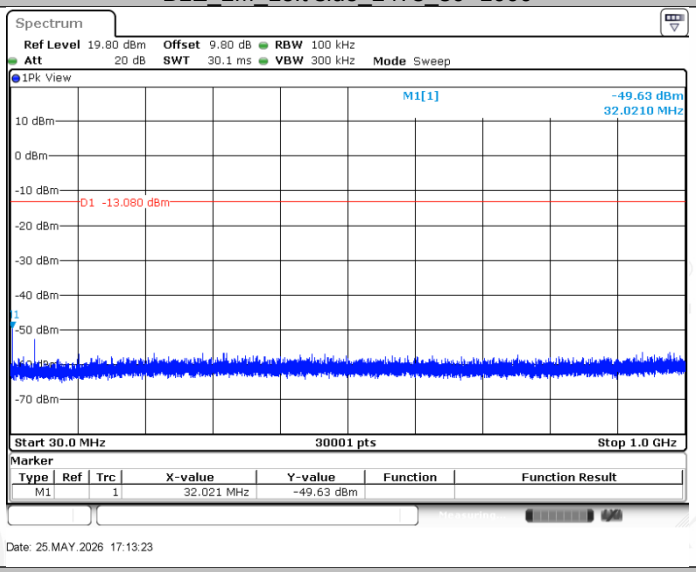
BLE_2M_Right side_2440_1000~26500



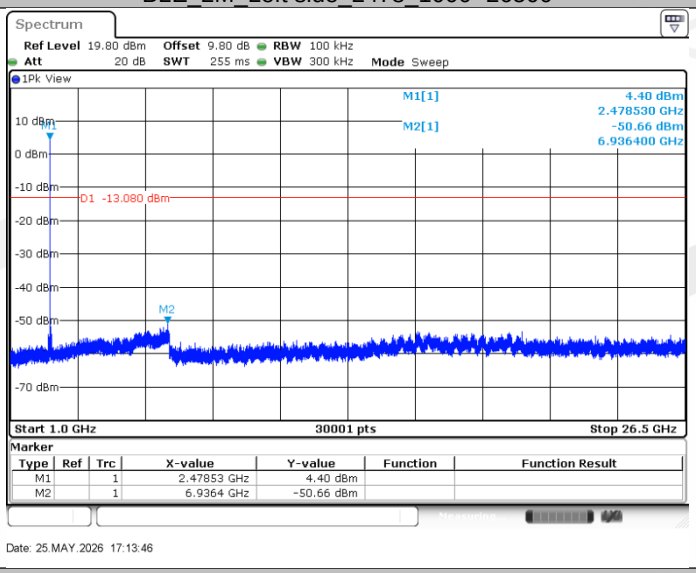
BLE_2M_Left side_2478_0~Reference



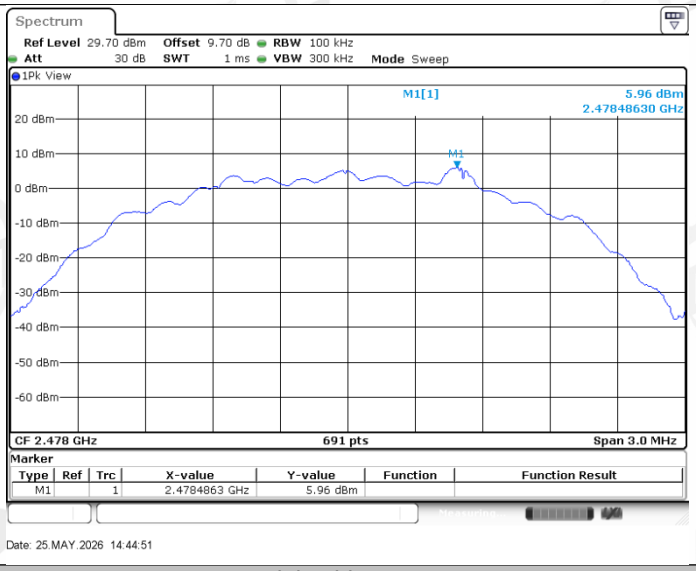
BLE_2M_Left side_2478_30~1000



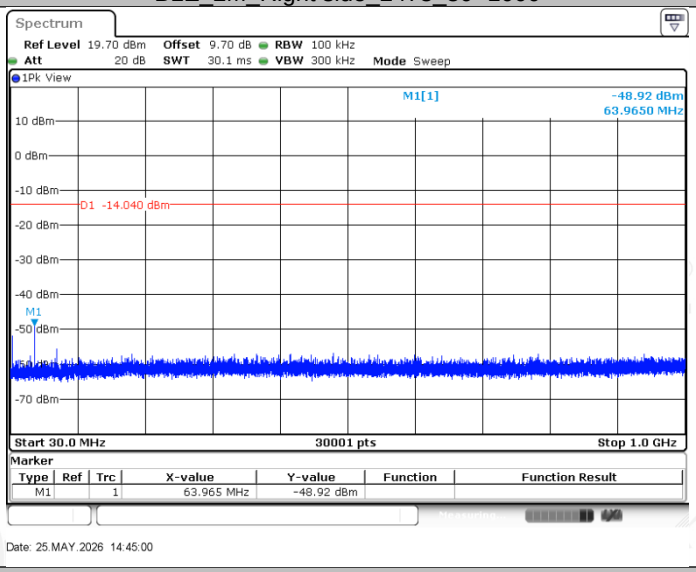
BLE_2M_Left side_2478_1000~26500



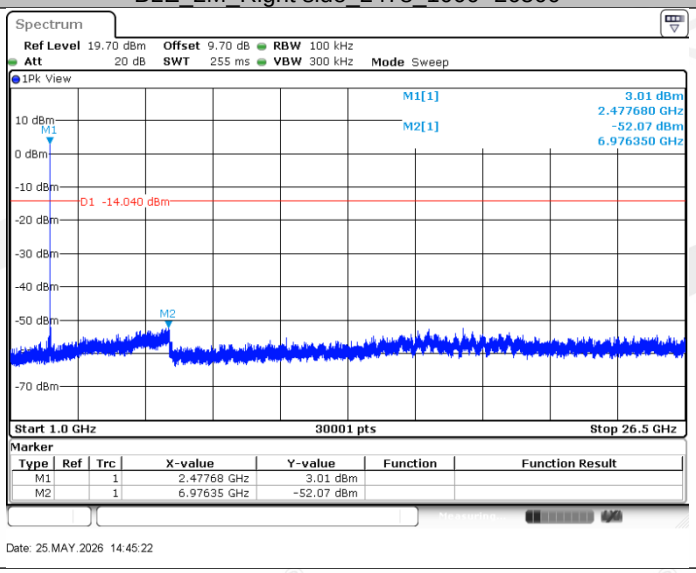
BLE_2M_Right side_2478_0~Reference



BLE_2M_Right side_2478_30~1000

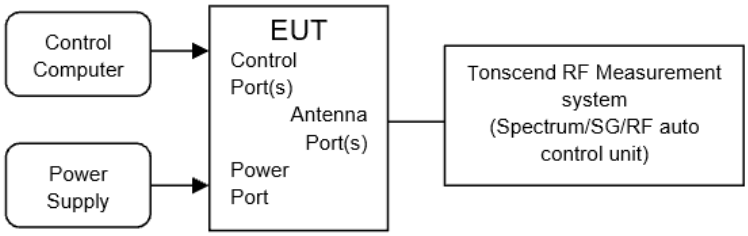


BLE_2M_Right side_2478_1000~26500



10. Duty Cycle

10.1. Block diagram of test setup



10.2. Limit

Just for Report.

10.3. Test procedure

(1) Connected the EUT's antenna port to the Spectrum Analyzer by suitable attenuator, The cable loss and attenuator loss have been put into spectrum analyzer as amplitude offset.
set the Spectrum Analyzer as below:
Centre Frequency: The centre frequency of the middle hopping channel.
Resolution BW: 10 MHz.
Video BW: 10 MHz.
Span: Zero span.
Detector: Peak.
Trace Mode: Clear Write.
Sweep: Video Trigger

(2) When the trace is complete, measure the sending time of 1 burst and the duty cycle of 1 burst cycle.

(3) Calculate dwell time follow below formula:
Duty cycle= Pulse's on time / Burst cycle

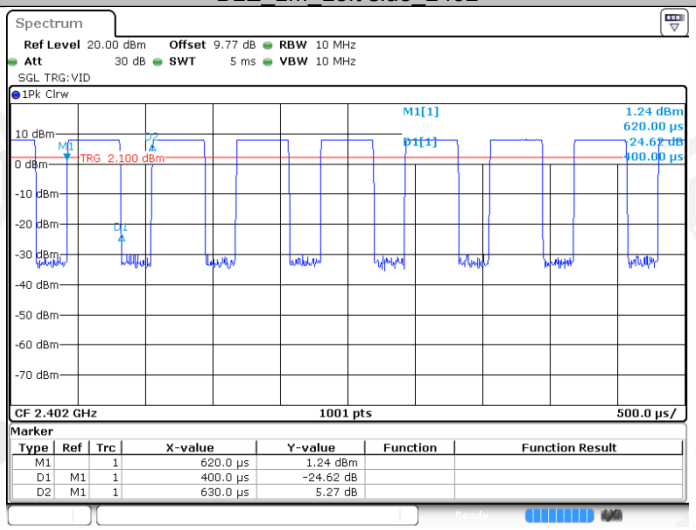
10.4. Test result

Test Engineer:	Zeng Zhongyao	Test Site:	RF Measurement System 3#
Ambient Condition:	25.2℃,42.5%RH	Test Date:	2026.05.25
Test Power Supply:	Battery	Sample Number:	S26052027-005

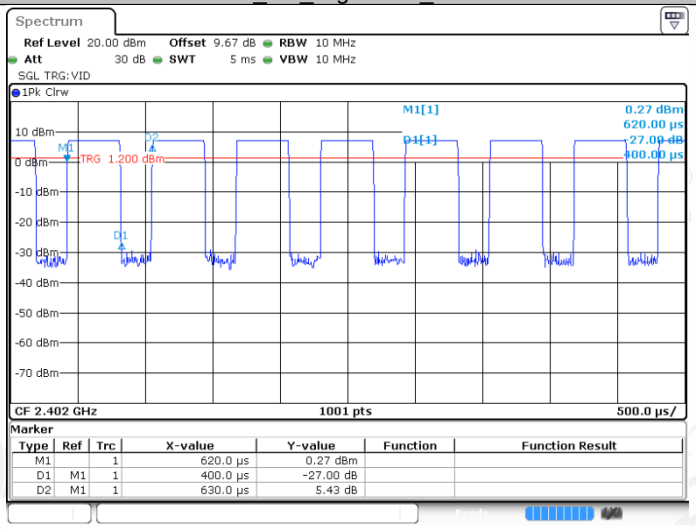
Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Left side	2402	0.40	0.63	63.49	1.97
	Right side	2402	0.40	0.63	63.49	1.97
	Left side	2440	0.40	0.63	63.49	1.97
	Right side	2440	0.40	0.63	63.49	1.97
	Left side	2480	0.40	0.63	63.49	1.97
	Right side	2480	0.40	0.63	63.49	1.97
BLE_2M	Left side	2404	1.09	1.88	57.98	2.37
	Right side	2404	1.09	1.88	57.98	2.37
	Left side	2440	1.09	1.88	57.98	2.37
	Right side	2440	1.09	1.88	57.98	2.37
	Left side	2478	1.09	1.88	57.98	2.37
	Right side	2478	1.09	1.88	57.98	2.37

10.5. Test graphs

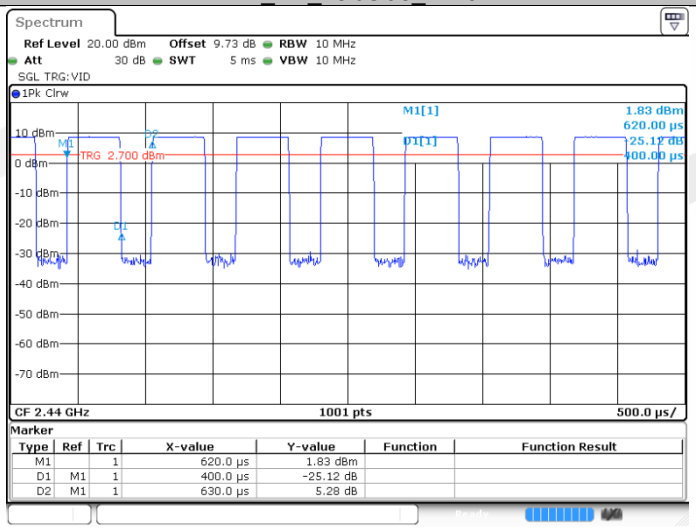
BLE_1M_Left side_2402



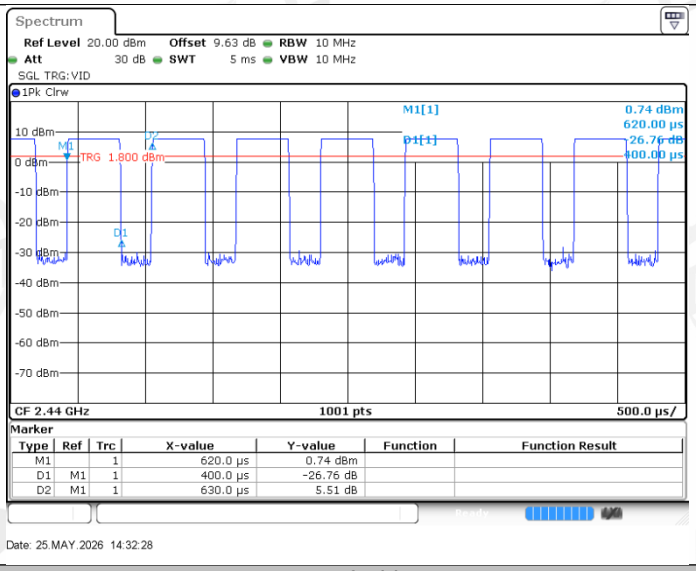
BLE_1M_Right side_2402



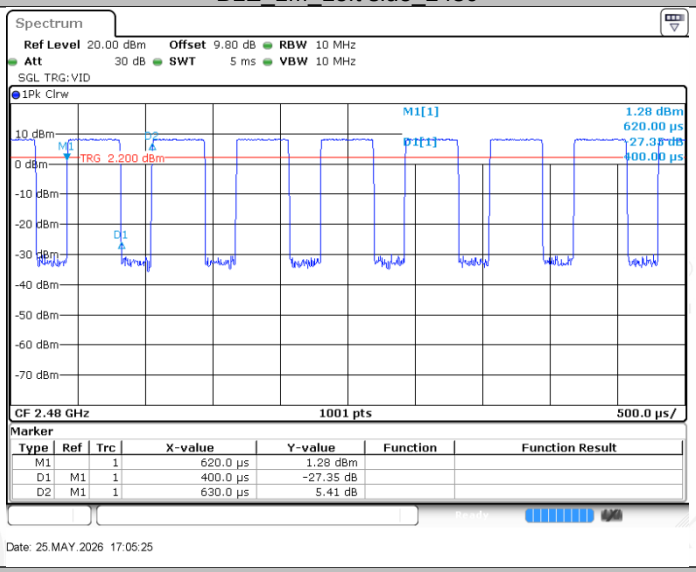
BLE_1M_Left side_2440



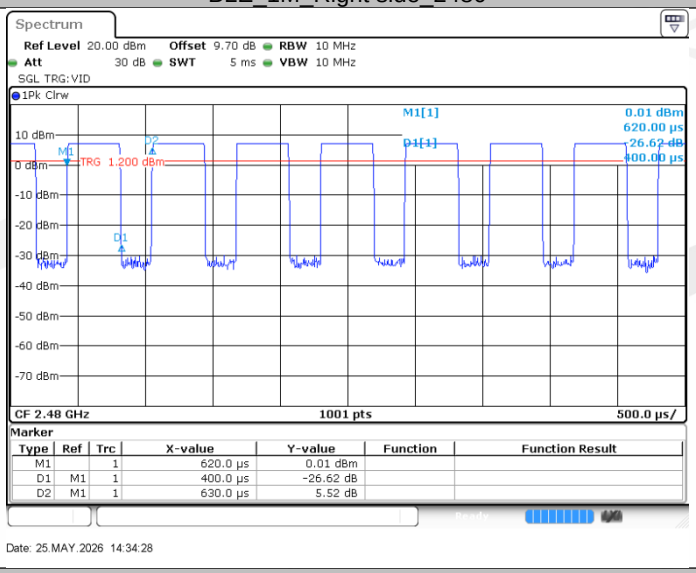
BLE_1M_Right side_2440



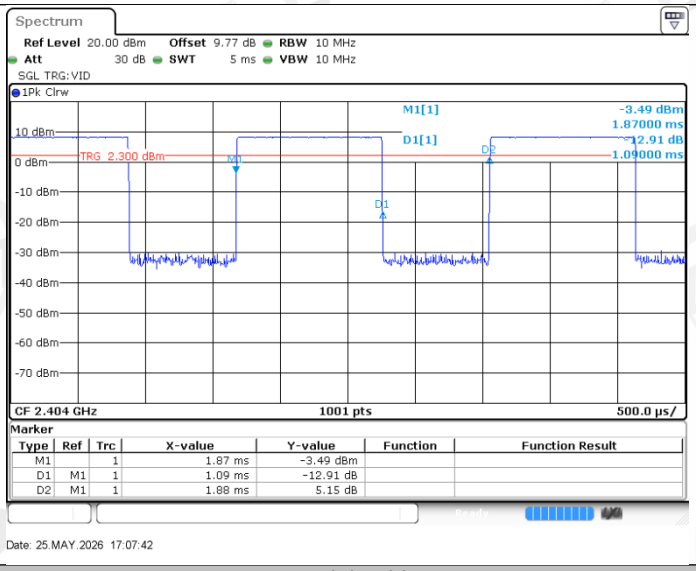
BLE_1M_Left side_2480



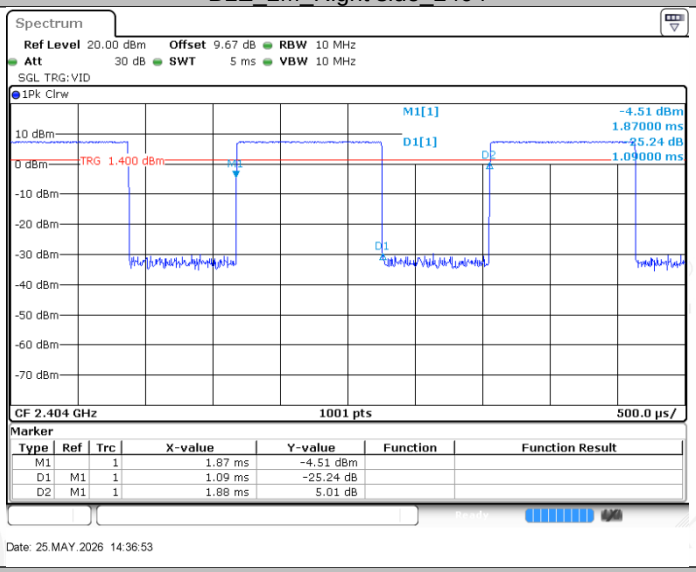
BLE_1M_Right side_2480



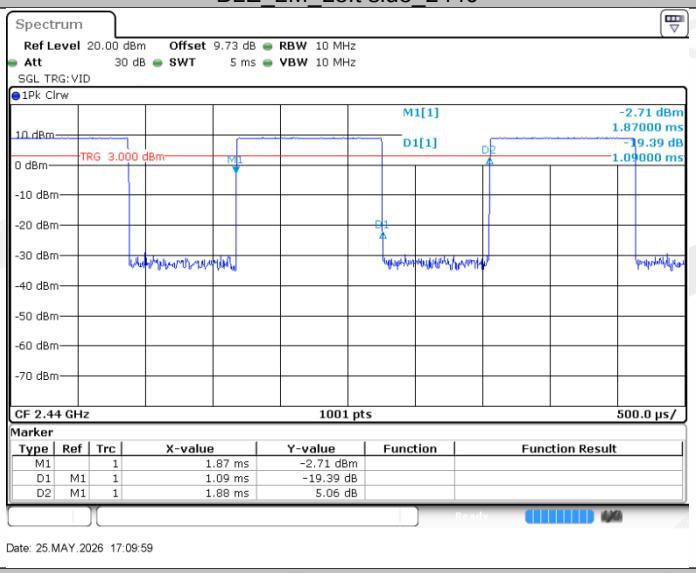
BLE_2M_Left side_2404



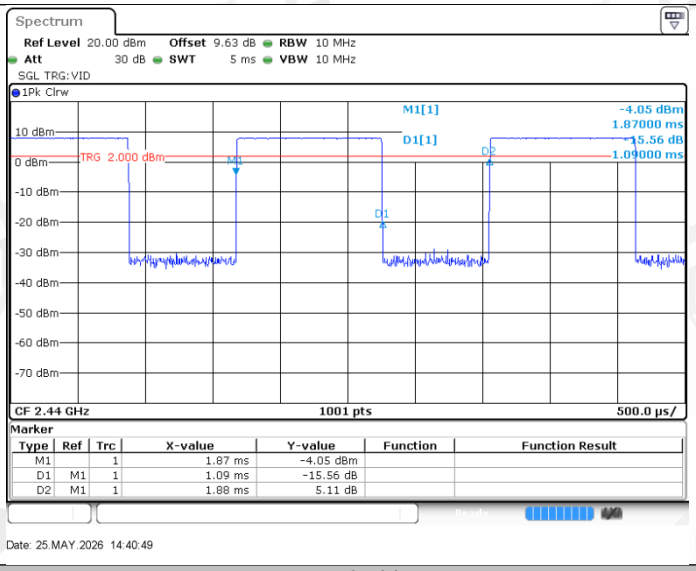
BLE_2M_Right side_2404



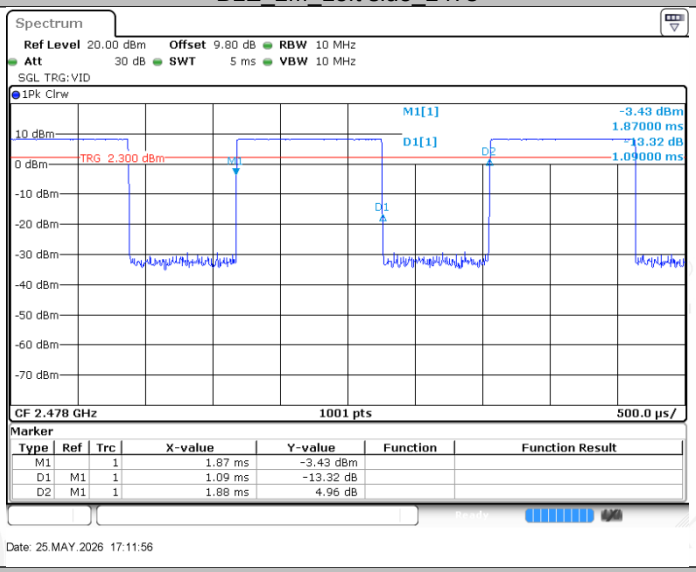
BLE_2M_Left side_2440



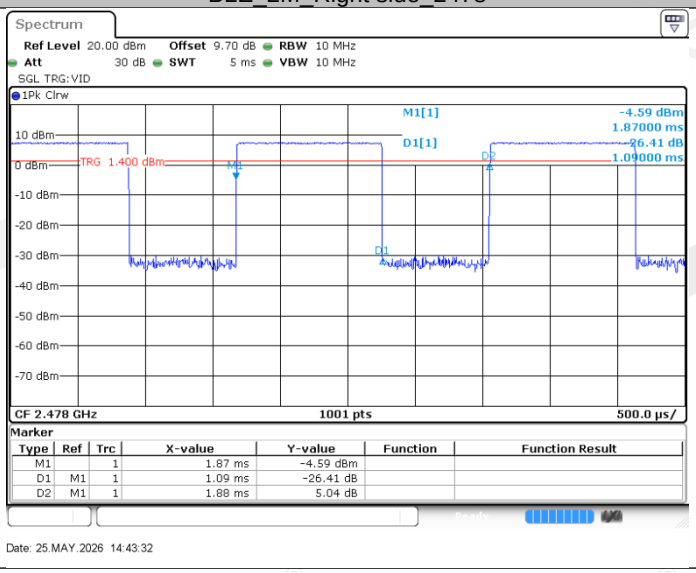
BLE_2M_Right side_2440



BLE_2M_Left side_2478



BLE_2M_Right side_2478



11. Antenna Requirements

11.1. Limit

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For intentional device, according to RSS-Gen issue 5 section 6.8.

The applicant for equipment certification shall provide a list of all antenna types that may be used with the transmitter, where applicable (i.e. for transmitters with detachable antenna), indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. The test report shall demonstrate the compliance of the transmitter with the limit for maximum equivalent isotropically radiated power (e.i.r.p.) specified in the applicable RSS, when the transmitter is equipped with any antenna type, selected from this list.

11.2. Result

The antenna used for this product as Antenna information described in section 2.1 of the report, and there is no other antenna than that furnished by the responsible party shall be used with the device.

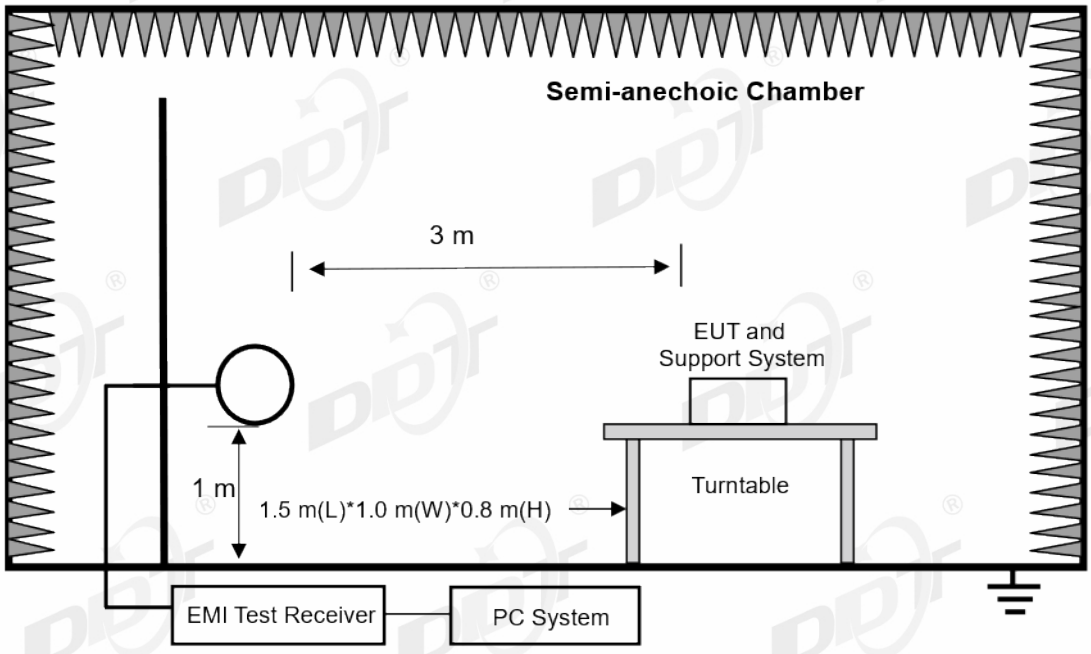
12. Radiated Emission

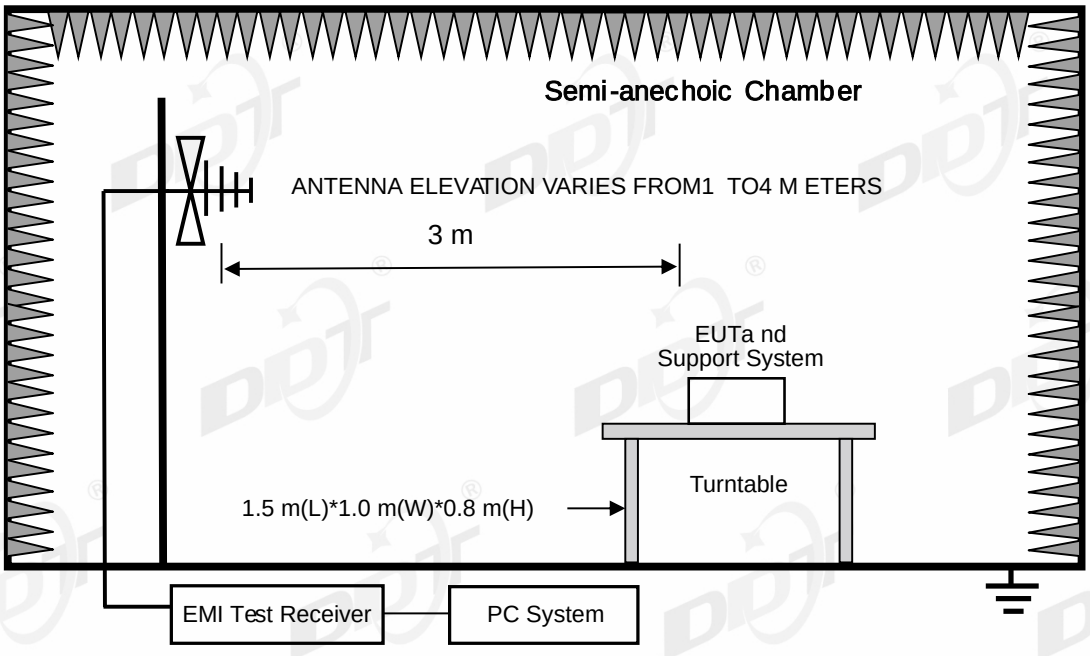
12.1. Test equipment

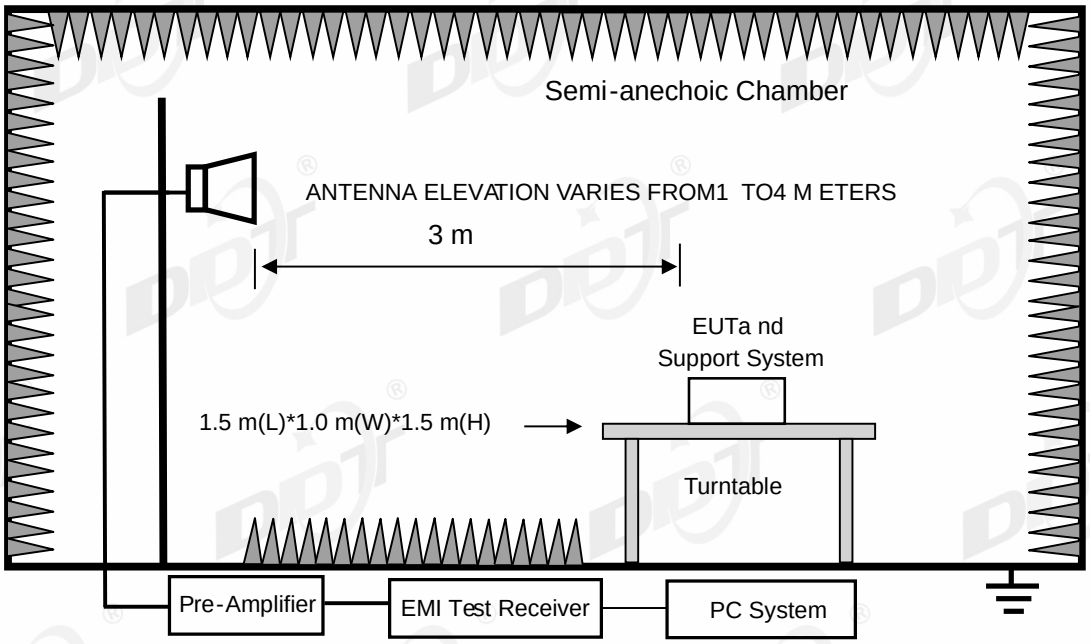
Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
Band Reject Filter Group	Tonscend	JS0806-F	DDT-ZC05733	/
Hochgewinn-Hornantenne	SCHWARZBECK	BBHA 9120 D	DDT-ZC05922	2027/01/06
Broadband Preamplifier	HPX	BP-01G-18G	DDT-ZC05923	2027/01/06
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2027/03/05
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2027/03/04
Signal &Spectrum analyzer	R&S	FSV40-N	DDT-ZC04979	2026/07/04
SPECTRUM ANALYZER	R&S	FSU26	DDT-ZC00236	2026/07/06
RF Cable	Tonscend	7+1+1+0.5+0.5m	DDT-ZC05978	2027/01/29
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2027/03/04
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2027/02/27
RF cable	Zhongke Junchuang	JCT40P-2.92J-2.92J-1M	DDT-ZC03802	2026/10/10
Radiation disturbance fully automated test software	Tonscend	JS-RE&RSE（V5.0.0）	DDT-ZC06466	/
High pass filter	Micro-Tronics	HPM50102	DDT-ZC00561	2027/02/27
RF cable	Zhongke Junchuang	Z805UF-NJ-NJ-10M	DDT-ZC05591	2026/10/10
RF cable	Zhongke Junchuang	Z805UF-NJ-NJ-3M	DDT-ZC05590	2026/10/10
RF cable	Zhongke Junchuang	JCTB510-NJW-NJW-0.6M	DDT-ZC04595	2026/10/10
RF cable	Zhongke Junchuang	JCT40P-2.92J-2.92J-1M	DDT-ZC03802	2026/10/10
RF cable	Yuhu Technology	ZT26S-SMAJ-SMAJ-1M	DDT-ZC02037	2026/10/10
RF cable	Zhongke Junchuang	JCT40P-2.92J-2.92J-5M	DDT-ZC03800	2026/10/10
Radiation disturbance fully automated test software	Tonscend	JS32-RE（V5.0.0）	DDT-ZC02739	/
Pre-amplifier	SONOMA	310N	DDT-ZC01969	2026/07/06
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2027/03/05
Pre-amplifier	COM-POWER	PAM-118A	DDT-ZC01293	2026/08/10
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2027/02/27
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/
High pass filter	Micro-Tronics	HPM50108	DDT-ZC00560	2027/02/27
High Pass filter	Xi'an Xingbo	XBLBQ-GTA67	DDT-ZC02179	2027/02/27
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2027/03/04
Trilog Broadband	Schwarzbeck	VULB 9163	DDT-ZC02050	2026/07/25

Antenna				
Hochgewinn-Hornantenne	SCHWARZBECK	BBHA 9120 D	DDT-ZC02129	2026/08/11
Active Loop Antenna	Schwarzbeck	FMZB1519	DDT-ZC00524	2026/08/18
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2027/02/27

12.2. Block diagram of test setup







12.3. Limits

(1) FCC 15.205 Restricted frequency band

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
[1]0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.1772&4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.2072&4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	([2])
13.36-13.41			

1Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz

2Above 38.6

RSS-Gen section 8.10 Restricted frequency bands*

MHz	MHz	MHz	GHz
0.090-0.110	12.51975-12.52025	240-285	3.5-4.4
0.495-0.505	12.57675-12.57725	322-335.4	4.5-5.15
2.1735-2.1905	13.36-13.41	399.9-410	5.35-5.46
3.020-3.026	16.42-16.423	608-614	7.25-7.75
4.125-4.128	16.69475-16.69525	960-1427	8.025-8.5
4.1772&4.17775	16.80425-16.80475	1435-1626.5	9.0-9.2
4.2072&4.20775	25.5-25.67	1645.5-1646.5	9.3-9.5
5.677-5.683	37.5-38.25	1660-1710	10.6-12.7
6.215-6.218	73-74.6	1718.8-1722.2	13.25-13.4
6.26775-6.26825	74.8-75.2	2200-2300	14.47-14.5
6.31175-6.31225	108-138	2310-2390	15.35-16.2
8.291-8.294	149.9-150.05	2483.5-2500	17.7-21.4
8.362-8.366	156.52475-156.52525	2655-2900	22.01-23.12
8.37625-8.38675	156.7-156.9	3260-3267	23.6-24.0
8.41425-8.41475	162.0125-167.17	3332-3339	31.2-31.8
12.29-12.293	167.72-173.2	3345.8-3358	36.43-36.5
			Above 38.6

* Certain frequency bands listed in table and in bands above 38.6 GHz are designated for licence-exempt applications. These frequency bands and the requirements that apply to related devices are set out in the 200 and 300 series of RSSs.

(2) FCC 15.209 Limit & RSS-Gen section 8.9 Limit

FREQUENCY	DISTANCE	FIELD STRENGTHS LIMIT	
MHz	Meters	uV/m	dBuV/m
0.009 ~ 0.490	300	2400/F(kHz)	67.6-20log(F)
0.490 ~ 1.705	30	24000/F(kHz)	87.6-20log(F)
1.705 ~ 30.0	30	30	29.54
30~88	3	100	40.0
88~216	3	150	43.5
216~960	3	200	46.0
960~1000	3	500	54.0
Above 1000	3	74.0 dBuV/m(Peak) 54.0 dBuV/m(Average)	

Note:

(1) The emission limits shown in the above table are based on measurements employing a CISPR QP detector except for the frequency bands 9 - 90 kHz, 110 - 490 kHz and above 1000 MHz, radiated emissions limits in these three bands are based on measurements employing an average detector.

(2) At frequencies below 30 MHz, measurement may be performed at a distance closer than that specified, and the limit at closer measurement distance can be extrapolated by below formula:

$$Limit_{3m}(dBuV/m) = Limit_{30m}(dBuV/m) + 40Log(30m/3m)$$

(3) Limit for this EUT

The emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, and the emissions appearing within RSS-Gen section 8.10 Restricted frequency bands shall not exceed the limits shown in RSS-Gen section 8.9, all the other emissions shall be at least 20 dB below the fundamental emissions or comply with 15.209 limits and RSS-Gen section 8.9 limits.

12.4. Assistant equipment used for test

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

12.5. Test procedure

(1) EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber for below 1G and 150 cm above the ground plane inside a fully-anechoic chamber for above 1G.

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

Test frequency range	Test antenna used	Test antenna distance
9 kHz - 30 MHz	Active Loop antenna	3 m
30 MHz - 1 GHz	Trilog Broadband Antenna	3 m
1 GHz - 18 GHz	Double Ridged Horn Antenna(1 GHz-18 GHz)	3 m
18 GHz - 40 GHz	Horn Antenna(18 GHz-40 GHz)	1 m

According ANSI C63.10 clause 6.4.6 and 6.5.3, for measurements below 30 MHz, Antenna was located 3 m from EUT, the loop antenna was positioned in three antenna orientations (parallel, perpendicular, and round-parallel), for each measurement antenna alignment, the EUT shall be rotated through 0°to 360°on a turntable, and the lowest height of the magnetic antenna shall be 1 m above the ground. For measurement above 30MHz, the trilog Broadband Antenna or Horn Antenna was located 3m from EUT, Measurements were made with the antenna positioned in both the horizontal and vertical planes of Polarization, and the measurement antenna was varied from 1 m to 4 m. in height above the reference ground plane to obtain the maximum signal strength.

(3) Below pre-scan procedure was first performed in order to find prominent frequency spectrum radiated emissions from 9 kHz to 25 GHz:

(a) Scanning the peak frequency spectrum with the antenna specified in step (3), and the EUT was rotated 360 degree, the antenna height was varied from 1 m to 4 m (Except loop antenna, it's fixed 1 m above ground.)

(b) Change work frequency or channel of device if practicable.

(c) Change modulation type of device if practicable.

(d) Change power supply range from 85% to 115% of the rated supply voltage

(e) Rotated EUT though three orthogonal axes to determine the attitude of EUT arrangement produces highest emissions.

Spectrum frequency from 9 kHz to 25 GHz (tenth harmonic of fundamental frequency) was investigated, and no any obvious emission were detected from 18 GHz to 25 GHz, so below final test was performed with frequency range from 9 kHz to 18 GHz.

(4) For final emissions measurements at each frequency of interest, the EUT was rotated and the antenna height was varied between 1 m and 4 m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipment and all of the interface cables were changed according to ANSI C63.10 on Radiated Emission test.

(5) The emissions from 9 kHz to 1 GHz were measured based on CISPR QP detector except for the frequency bands 9 - 90 kHz, 110 - 490 kHz, for emissions from 9 kHz - 90 kHz,110 kHz - 490 kHz and above 1 GHz were measured based on average detector, for emissions above 1 GHz, peak emissions also be measured and need comply with Peak limit.

(6) The emissions from 9 kHz to 1 GHz, QP or average values were measured with EMI receiver with below RBW.

Frequency band	RBW
9 kHz - 150 kHz	200 Hz
150 kHz - 30 MHz	9 kHz
30 MHz - 1 GHz	120 kHz

(7) For emissions above 1GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1 MHz, VBW is set at 3 MHz for Peak measure; According ANSI C63.10 clause 4.1.5.2.2 procedure for average measure.

(8) For portable device, X axis, Y axis, Z axis are tested, and worse setup is reported.

(9) According exploratory test, the emission levels are 20 dB below the limit detected from 9 kHz to 30 MHz and 18 GHz to 25 GHz, so the final test was performed with frequency range from 30 MHz to 18 GHz and recorded in below.

(10) For 30 MHz ~ 25 GHz: (Scan with all mode, the worst case is reported)

(11) For emissions below 1 GHz, according exploratory explorer test, when change Tx mode and channel, have no distinct influence on emissions level, so for emissions below 1 GHz, the final test was only performed with EUT working in worst mode.

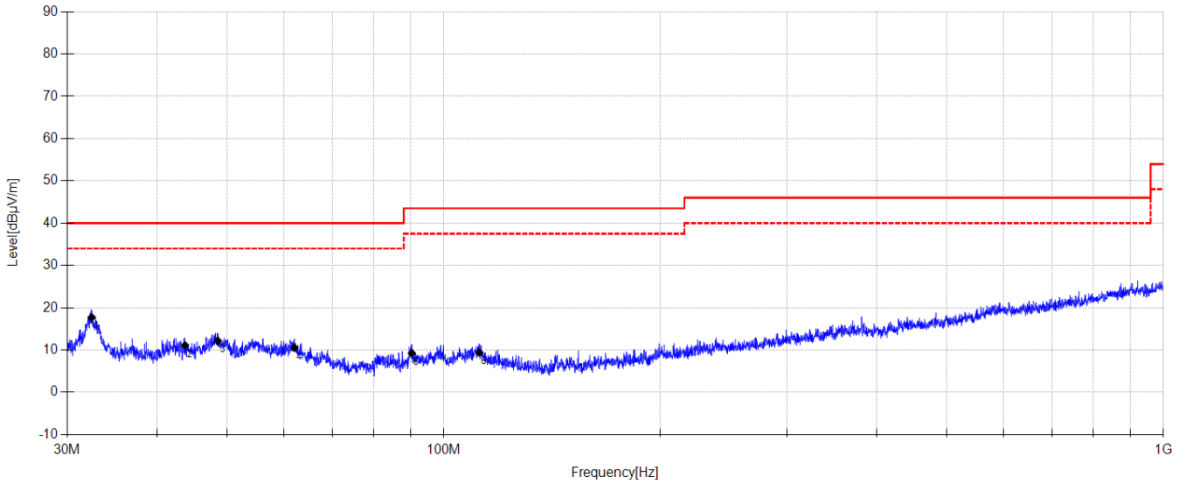
12.6. Test result

PASS. (See below detailed test result)

12.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-06-03	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE 1M Mode	**Power Supply**:	Battery
Condition:	Temp:22.5°C;Humi:55.6%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2026 report data\Q26052027-1E\FCC Below 1G\1		
Memo:	Sample Number: S26052027-001 Left side		



Final Data List									
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	32.428	35.31	10.90	3.81	17.72	40.00	22.28	QP	Horizontal
2	43.717	25.96	13.49	3.94	11.09	40.00	28.91	QP	Horizontal
3	48.531	27.13	13.41	3.97	12.21	40.00	27.79	QP	Horizontal
4	62.030	26.16	12.59	4.08	10.53	40.00	29.47	QP	Horizontal
5	90.327	27.62	9.67	4.25	9.24	43.50	34.26	QP	Horizontal
6	112.101	25.41	11.93	4.37	9.40	43.50	34.10	QP	Horizontal

Note:
1. Result Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-06-03	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE 1M Mode	**Power Supply**:	Battery
Condition:	Temp:22.5°C;Humi:55.6%	**Test Site**:	DDT 3# Chamber
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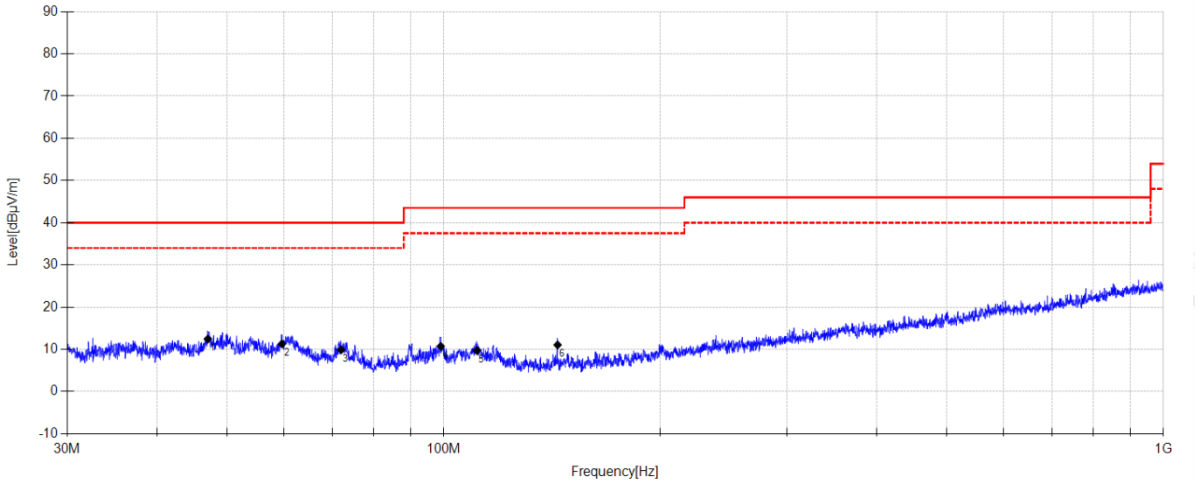

Final Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	47.024	27.41	13.40	3.96	12.47	40.00	27.53	QP	Vertical
2	59.599	27.17	12.36	4.06	11.29	40.00	28.71	QP	Vertical
3	72.021	28.51	9.49	4.17	9.87	40.00	30.13	QP	Vertical
4	99.087	27.28	11.45	4.30	10.73	43.50	32.77	QP	Vertical
5	111.240	25.75	11.92	4.37	9.73	43.50	33.77	QP	Vertical
6	143.986	30.22	8.61	4.56	11.05	43.50	32.45	QP	Vertical

Note:
1. Result Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-06-03	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE 2M Mode	**Power Supply**:	Battery
Condition:	Temp:22.5°C;Humi:55.6%	**Test Site**:	DDT 3# Chamber
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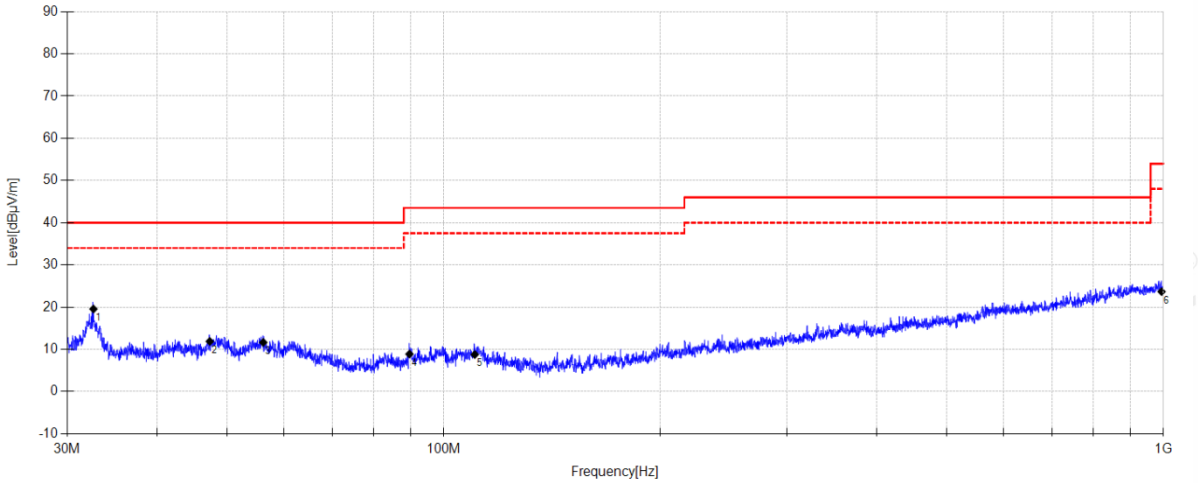
Memo:	Sample Number: S26052027-001 Left side		



Final Data List									
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	32.611	37.14	10.90	3.82	19.56	40.00	20.44	QP	Horizontal
2	47.321	26.88	13.34	3.96	11.88	40.00	28.12	QP	Horizontal
3	56.151	26.97	12.95	4.03	11.65	40.00	28.35	QP	Horizontal
4	89.633	27.5	9.44	4.25	8.89	43.50	34.61	QP	Horizontal
5	110.462	24.82	11.90	4.36	8.77	43.50	34.73	QP	Horizontal
6	994.406	25.1	22.55	7.35	23.67	54.00	30.33	QP	Horizontal

Note:
1. Result Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-06-03	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE 2M Mode	**Power Supply**:	Battery
Condition:	Temp:22.5°C;Humi:55.6%	**Test Site**:	DDT 3# Chamber
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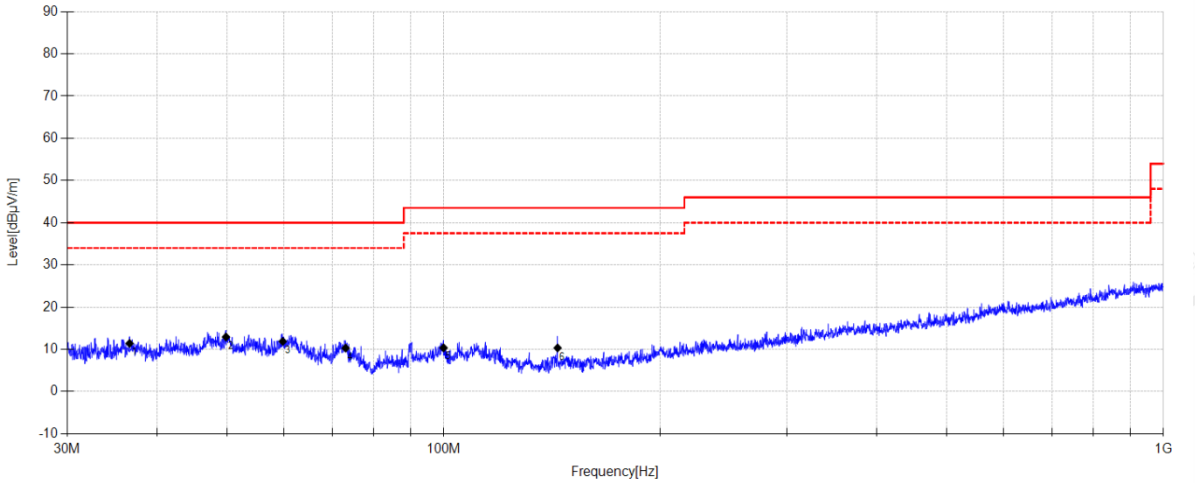

Final Data List									
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	36.610	27.76	12.08	3.87	11.41	40.00	28.59	QP	Vertical
2	49.841	27.82	13.43	3.98	12.93	40.00	27.07	QP	Vertical
3	59.767	27.74	12.38	4.06	11.88	40.00	28.12	QP	Vertical
4	73.090	29.29	9.12	4.18	10.29	40.00	29.71	QP	Vertical
5	99.994	26.36	12.00	4.30	10.36	43.50	33.14	QP	Vertical
6	143.986	29.5	8.61	4.56	10.33	43.50	33.17	QP	Vertical

Note:
1. Result Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-06-03	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE 1M Mode	**Power Supply**:	Battery
Condition:	Temp:22.5°C;Humi:55.6%	**Test Site**:	DDT 3# Chamber
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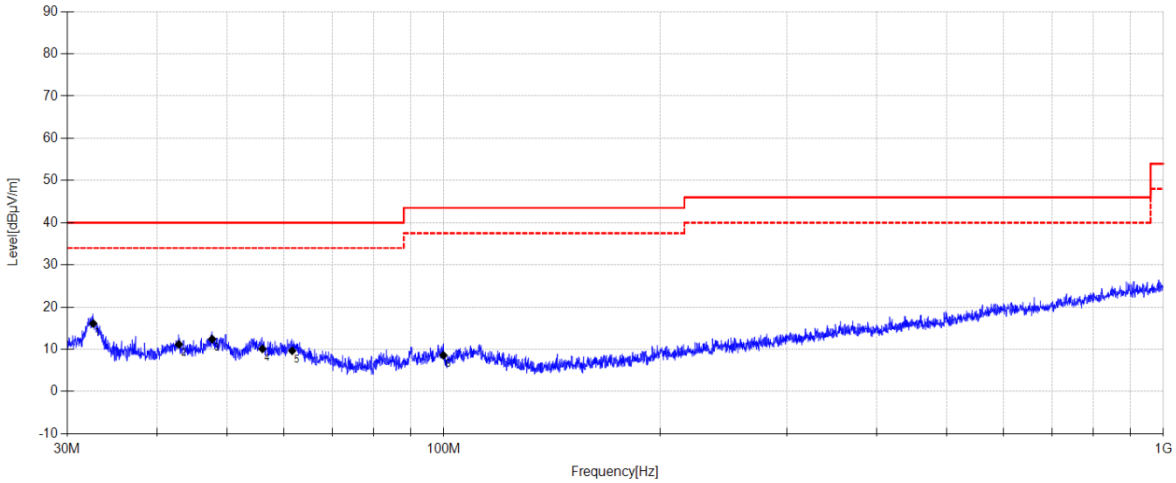


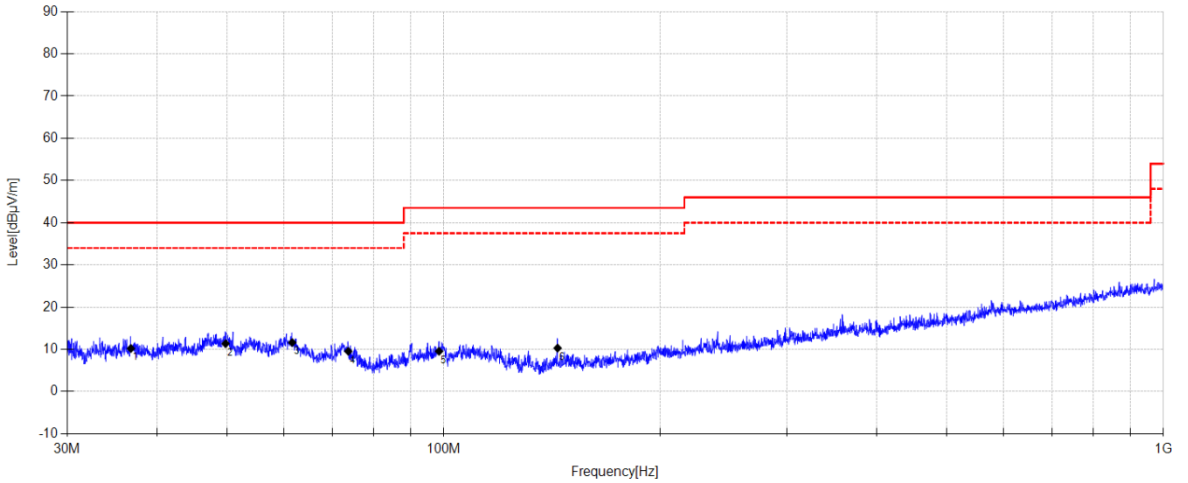
Final Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	32.588	33.69	10.90	3.82	16.11	40.00	23.89	QP	Horizontal
2	42.867	25.93	13.62	3.94	11.19	40.00	28.81	QP	Horizontal
3	47.688	27.49	13.26	3.97	12.42	40.00	27.58	QP	Horizontal
4	55.994	25.39	13.00	4.03	10.12	40.00	29.88	QP	Horizontal
5	61.596	25.36	12.52	4.08	9.66	40.00	30.34	QP	Horizontal
6	99.924	24.64	11.95	4.30	8.59	43.50	34.91	QP	Horizontal

Note:
1. Result Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-06-03	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE 1M Mode	**Power Supply**:	Battery
Condition:	Temp:22.5°C;Humi:55.6%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2026 report data\Q26052027-1E\FCC Below 1G\10		
Memo:	Sample Number: S26052027-001 Right side		

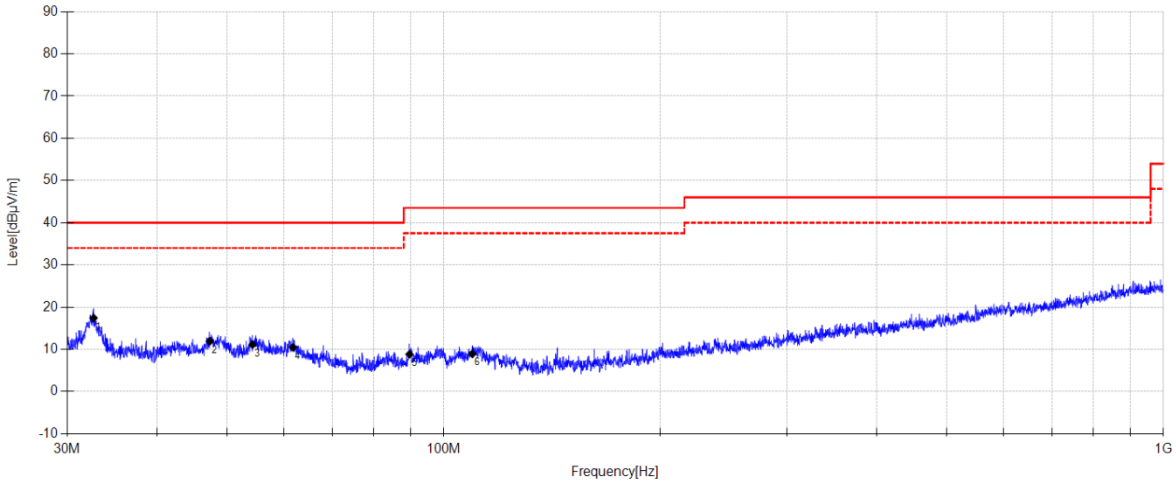


Final Data List									
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	36.765	26.51	12.13	3.87	10.21	40.00	29.79	QP	Vertical
2	49.772	26.22	13.45	3.98	11.35	40.00	28.65	QP	Vertical
3	61.596	27.32	12.52	4.08	11.62	40.00	28.38	QP	Vertical
4	73.707	29.1	8.56	4.18	9.54	40.00	30.46	QP	Vertical
5	98.532	26.2	11.35	4.29	9.54	43.50	33.96	QP	Vertical
6	143.986	29.46	8.61	4.56	10.29	43.50	33.21	QP	Vertical

Note:
1. Result Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-06-03	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE 2M Mode	**Power Supply**:	Battery
Condition:	Temp:22.5°C;Humi:55.6%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2026 report data\Q26052027-1E\FCC Below 1G\11		
Memo:	Sample Number: S26052027-001 Right side		

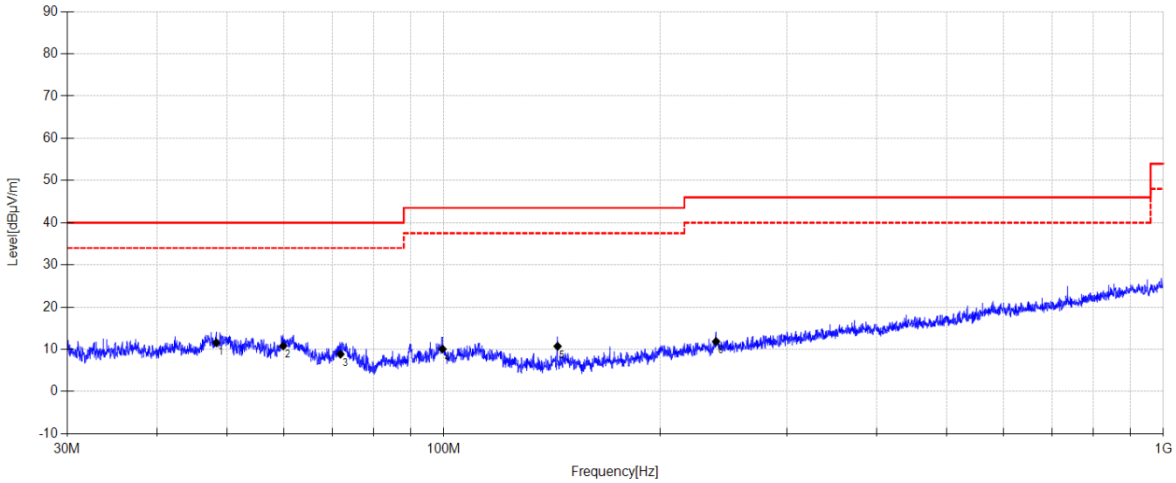


Final Data List									
NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	32.633	35.01	10.90	3.82	17.43	40.00	22.57	QP	Horizontal
2	47.321	26.91	13.34	3.96	11.91	40.00	28.09	QP	Horizontal
3	54.255	26.2	13.22	4.01	11.13	40.00	28.87	QP	Horizontal
4	61.769	26.14	12.55	4.08	10.47	40.00	29.53	QP	Horizontal
5	89.633	27.45	9.44	4.25	8.84	43.50	34.66	QP	Horizontal
6	109.614	24.87	12.02	4.36	8.94	43.50	34.56	QP	Horizontal

Note:
1. Result Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-06-03	**Tested By**:	Li Xiongbin
Test Mode:	TX BLE 2M Mode	**Power Supply**:	Battery
Condition:	Temp:22.5°C;Humi:55.6%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2026 report data\Q26052027-1E\FCC Below 1G\12		
Memo:	Sample Number: S26052027-001 Right side		



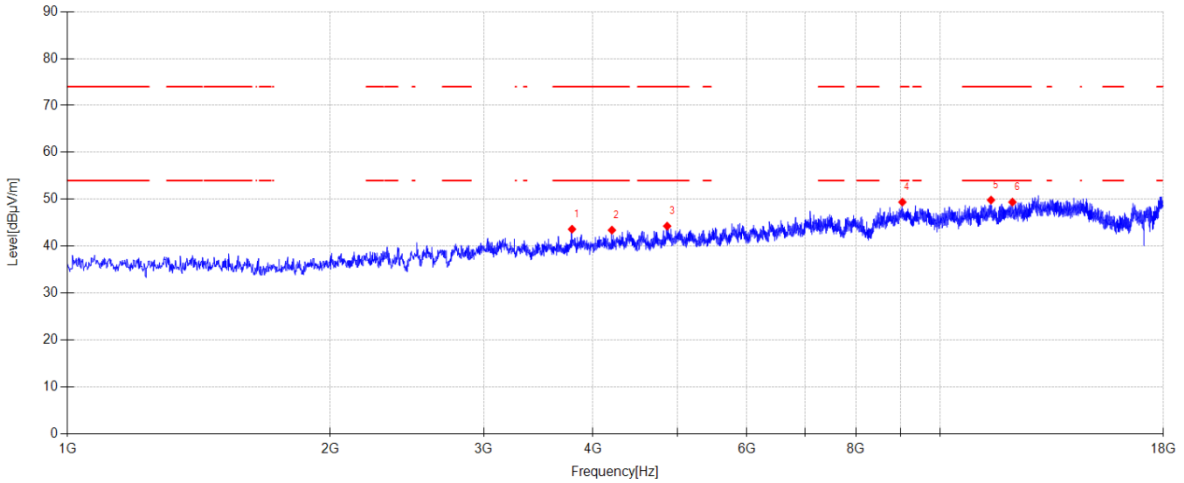
Final Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	48.327	26.55	13.33	3.97	11.55	40.00	28.45	QP	Vertical
2	59.851	26.67	12.39	4.06	10.82	40.00	29.18	QP	Vertical
3	71.870	27.48	9.51	4.17	8.86	40.00	31.14	QP	Vertical
4	99.644	26.28	11.79	4.30	10.07	43.50	33.43	QP	Vertical
5	143.986	29.89	8.61	4.56	10.72	43.50	32.78	QP	Vertical
6	239.048	26.9	12.31	5.04	11.85	46.00	34.15	QP	Vertical

Note:
1. Result Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-06-01	**Tested By**:	Cao Jie
Test Mode:	TX BLE 1M 2402MHz Mode	**Power Supply**:	Battery
Condition:	Temp:22.5°C;Humi:55.6%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2026 report data\Q26052027-1E\FCC ABOVE 1G BLE\1		
Memo:	Sample Number: S26052027-001 Left side		

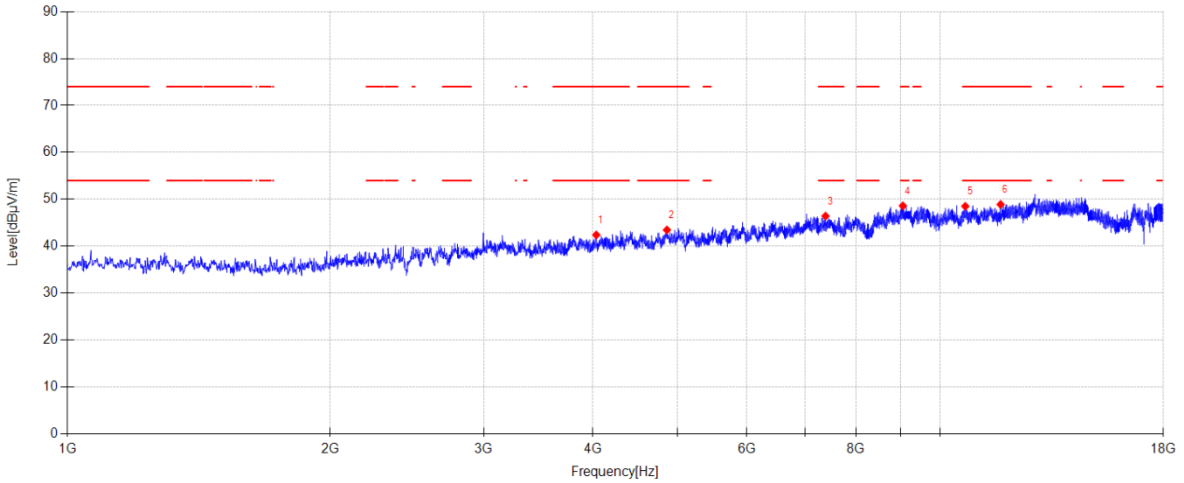


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	3784.600	48.13	30.56	4.54	-39.61	43.62	74.00	30.38	PK	Horizontal
2	4204.500	47.41	31.02	4.71	-39.72	43.42	74.00	30.58	PK	Horizontal
3	4864.100	45.95	32.96	5.16	-39.79	44.28	74.00	29.72	PK	Horizontal
4	9044.400	42.39	38.86	6.79	-38.65	49.39	74.00	24.61	PK	Horizontal
5	11426.100	42.31	39.54	7.58	-39.60	49.83	74.00	24.17	PK	Horizontal
6	12090.800	41.66	39.45	7.81	-39.53	49.39	74.00	24.61	PK	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-06-01	**Tested By**:	Cao Jie
Test Mode:	TX BLE 1M 2402MHz Mode	**Power Supply**:	Battery
Condition:	Temp:22.5°C;Humi:55.6%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2026 report data\Q26052027-1E\FCC ABOVE 1G BLE\2		
Memo:	Sample Number: S26052027-001 Left side		

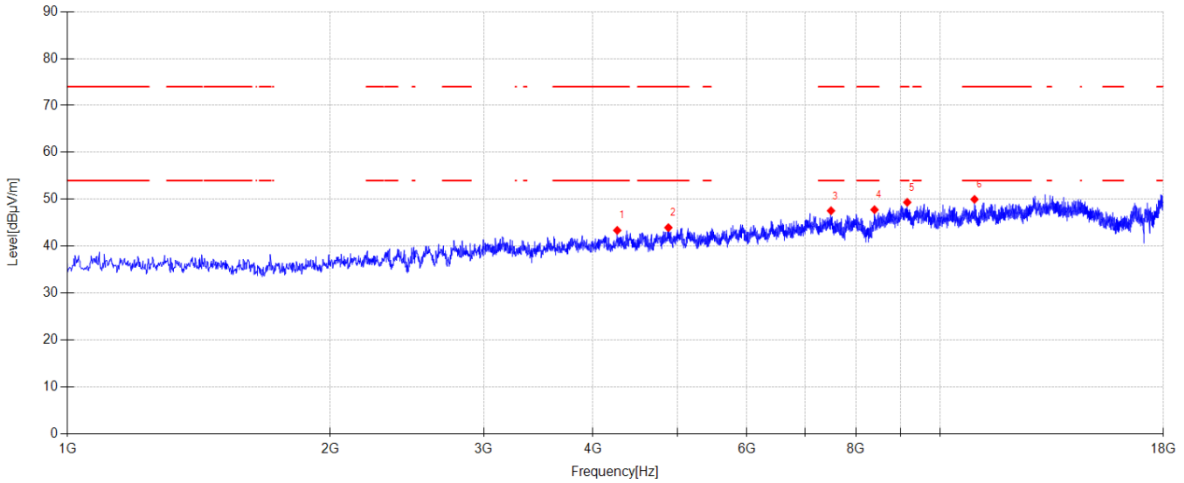


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	4034.500	46.40	31.11	4.59	-39.70	42.40	74.00	31.60	PK	Vertical
2	4860.700	45.15	32.94	5.16	-39.79	43.46	74.00	30.54	PK	Vertical
3	7385.200	43.73	36.79	5.75	-39.86	46.41	74.00	27.59	PK	Vertical
4	9056.300	41.68	38.79	6.79	-38.66	48.60	74.00	25.40	PK	Vertical
5	10676.400	41.53	39.43	7.17	-39.63	48.50	74.00	25.50	PK	Vertical
6	11718.500	42.28	38.52	7.70	-39.60	48.90	74.00	25.10	PK	Vertical

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-06-01	**Tested By**:	Cao Jie
Test Mode:	TX BLE 1M 2440MHz Mode	**Power Supply**:	Battery
Condition:	Temp:22.5°C;Humi:55.6%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2026 report data\Q26052027-1E\FCC ABOVE 1G BLE\3		
Memo:	Sample Number: S26052027-001 Left side		

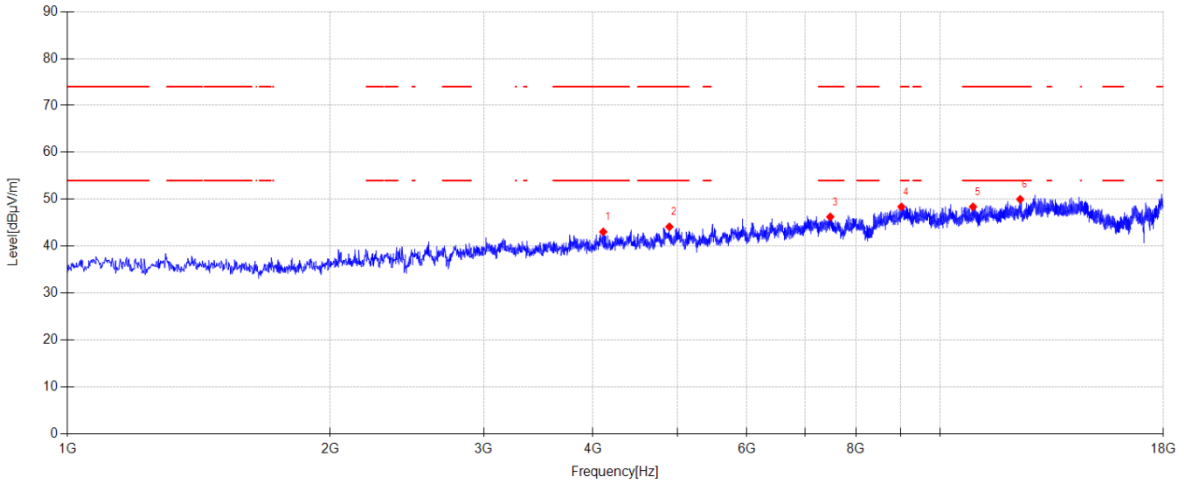


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	4264.000	46.93	31.42	4.75	-39.73	43.37	74.00	30.63	PK	Horizontal
2	4879.400	45.56	33.02	5.17	-39.79	43.96	74.00	30.04	PK	Horizontal
3	7492.300	44.76	36.85	5.79	-39.85	47.55	74.00	26.45	PK	Horizontal
4	8403.500	43.12	37.67	6.30	-39.32	47.77	74.00	26.23	PK	Horizontal
5	9161.700	42.49	38.86	6.78	-38.78	49.35	74.00	24.65	PK	Horizontal
6	10939.900	42.59	39.64	7.37	-39.61	49.99	74.00	24.01	PK	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-06-01	**Tested By**:	Cao Jie
Test Mode:	TX BLE 1M 2440MHz Mode	**Power Supply**:	Battery
Condition:	Temp:22.5°C;Humi:55.6%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2026 report data\Q26052027-1E\FCC ABOVE 1G BLE\4		
Memo:	Sample Number: S26052027-001 Left side		

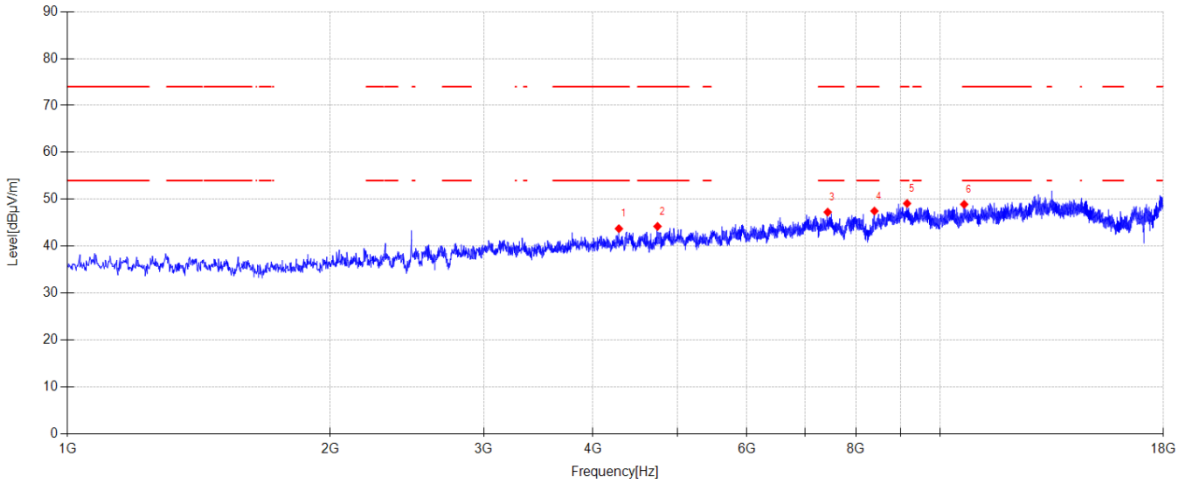


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	4109.300	46.96	31.17	4.64	-39.71	43.06	74.00	30.94	PK	Vertical
2	4893.000	45.66	33.07	5.18	-39.79	44.12	74.00	29.88	PK	Vertical
3	7478.700	43.54	36.77	5.79	-39.85	46.25	74.00	27.75	PK	Vertical
4	9022.300	41.53	38.68	6.80	-38.62	48.39	74.00	25.61	PK	Vertical
5	10897.400	41.11	39.58	7.33	-39.61	48.41	74.00	25.59	PK	Vertical
6	12340.700	42.23	39.28	7.81	-39.33	49.99	74.00	24.01	PK	Vertical

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-06-01	**Tested By**:	Cao Jie
Test Mode:	TX BLE 1M 2480MHz Mode	**Power Supply**:	Battery
Condition:	Temp:22.5°C;Humi:55.6%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2026 report data\Q26052027-1E\FCC ABOVE 1G BLE\5		
Memo:	Sample Number: S26052027-001 Left side		



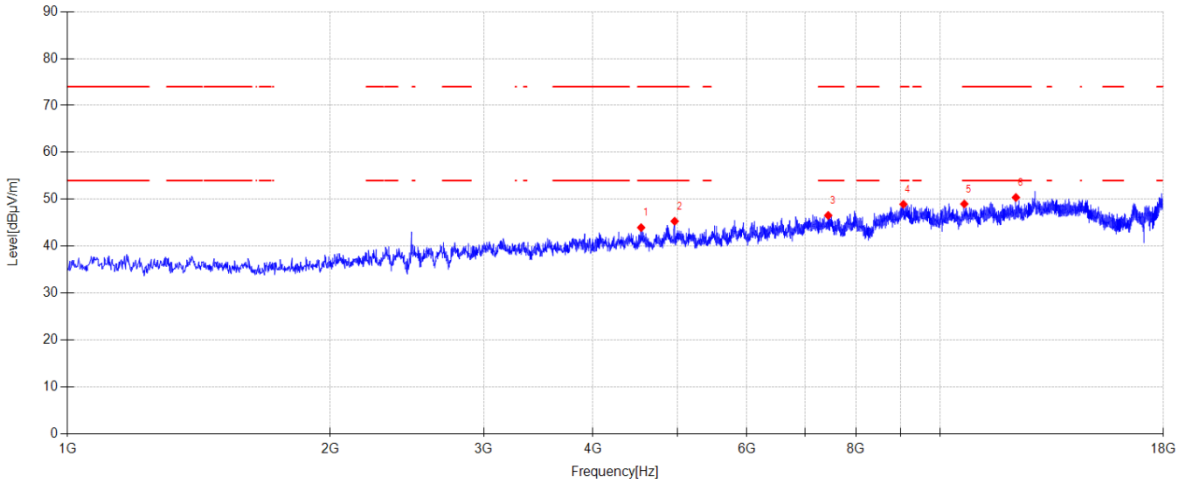
Suspected Data List

NO.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	4282.700	46.98	31.72	4.76	-39.73	43.73	74.00	30.27	PK	Horizontal
2	4741.700	46.87	32.05	5.07	-39.77	44.22	74.00	29.78	PK	Horizontal
3	7427.700	44.71	36.64	5.77	-39.86	47.26	74.00	26.74	PK	Horizontal
4	8401.800	42.83	37.68	6.30	-39.32	47.49	74.00	26.51	PK	Horizontal
5	9158.300	42.19	38.90	6.78	-38.77	49.10	74.00	24.90	PK	Horizontal
6	10645.800	42.07	39.34	7.15	-39.64	48.92	74.00	25.08	PK	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-06-01	**Tested By**:	Cao Jie
Test Mode:	TX BLE 1M 2480MHz Mode	**Power Supply**:	Battery
Condition:	Temp:22.5°C;Humi:55.6%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2026 report data\Q26052027-1E\FCC ABOVE 1G BLE\6		
Memo:	Sample Number: S26052027-001 Left side		



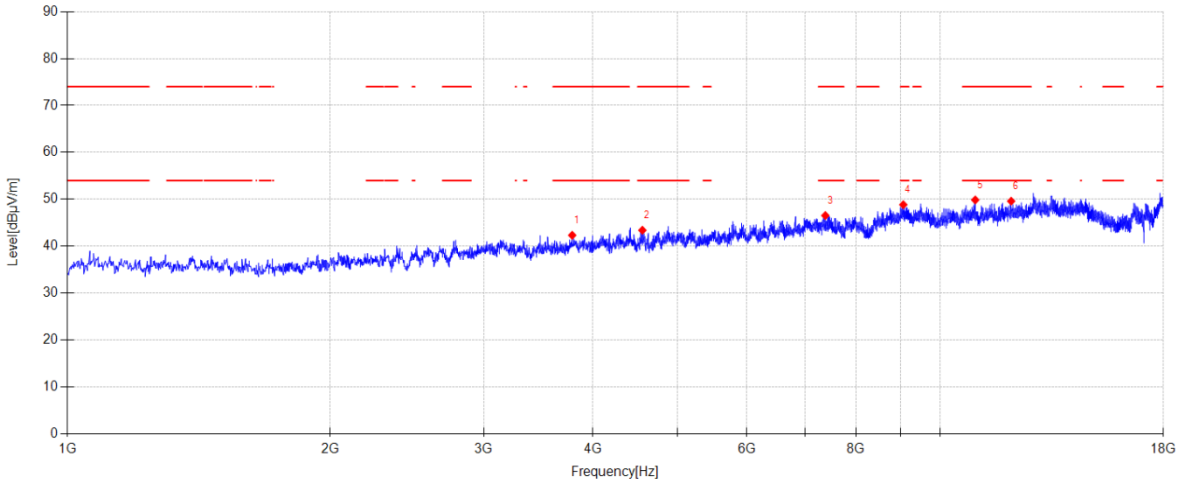
Suspected Data List

NO.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	4541.100	46.81	31.96	4.94	-39.75	43.96	74.00	30.04	PK	Vertical
2	4961.000	46.82	33.08	5.22	-39.80	45.32	74.00	28.68	PK	Vertical
3	7437.900	44.02	36.62	5.77	-39.86	46.55	74.00	27.45	PK	Vertical
4	9069.900	42.28	38.54	6.79	-38.68	48.93	74.00	25.07	PK	Vertical
5	10649.200	42.14	39.35	7.15	-39.64	49.00	74.00	25.00	PK	Vertical
6	12201.300	42.81	39.20	7.81	-39.44	50.38	74.00	23.62	PK	Vertical

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-06-01	**Tested By**:	Cao Jie
Test Mode:	TX BLE 2M 2404MHz Mode	**Power Supply**:	Battery
Condition:	Temp:22.5°C;Humi:55.6%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2026 report data\Q26052027-1E\FCC ABOVE 1G BLE\11		
Memo:	Sample Number: S26052027-001 Left side		



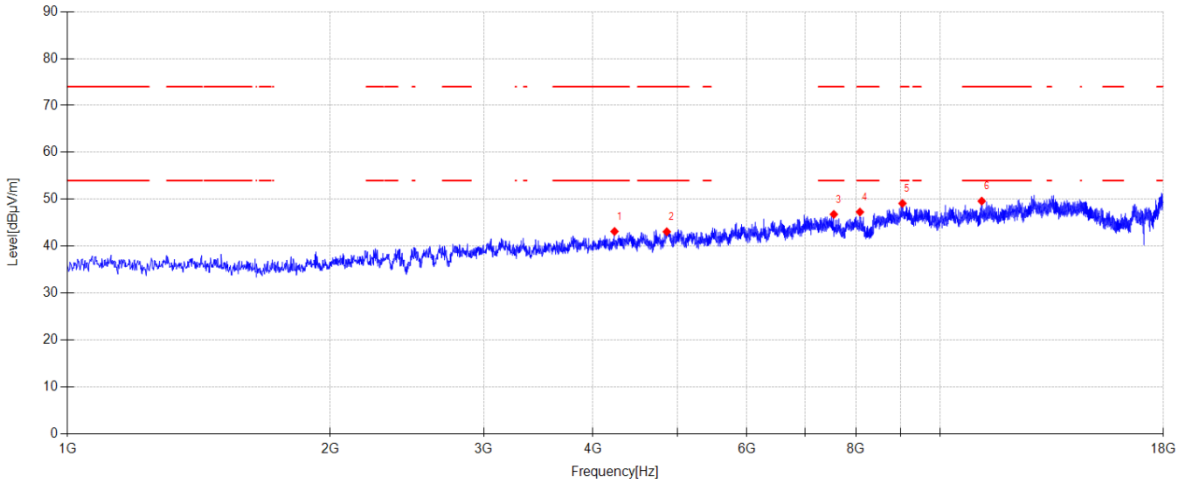
Suspected Data List

NO.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	3786.300	46.80	30.60	4.54	-39.61	42.33	74.00	31.67	PK	Horizontal
2	4556.400	46.20	32.01	4.95	-39.76	43.40	74.00	30.60	PK	Horizontal
3	7381.800	43.83	36.81	5.75	-39.86	46.53	74.00	27.47	PK	Horizontal
4	9066.500	42.12	38.60	6.79	-38.67	48.84	74.00	25.16	PK	Horizontal
5	10960.300	42.42	39.66	7.38	-39.60	49.86	74.00	24.14	PK	Horizontal
6	12050.000	42.10	39.25	7.81	-39.56	49.60	74.00	24.40	PK	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-06-01	**Tested By**:	Cao Jie
Test Mode:	TX BLE 2M 2404MHz Mode	**Power Supply**:	Battery
Condition:	Temp:22.5°C;Humi:55.6%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2026 report data\Q26052027-1E\FCC ABOVE 1G BLE\12		
Memo:	Sample Number: S26052027-001 Left side		

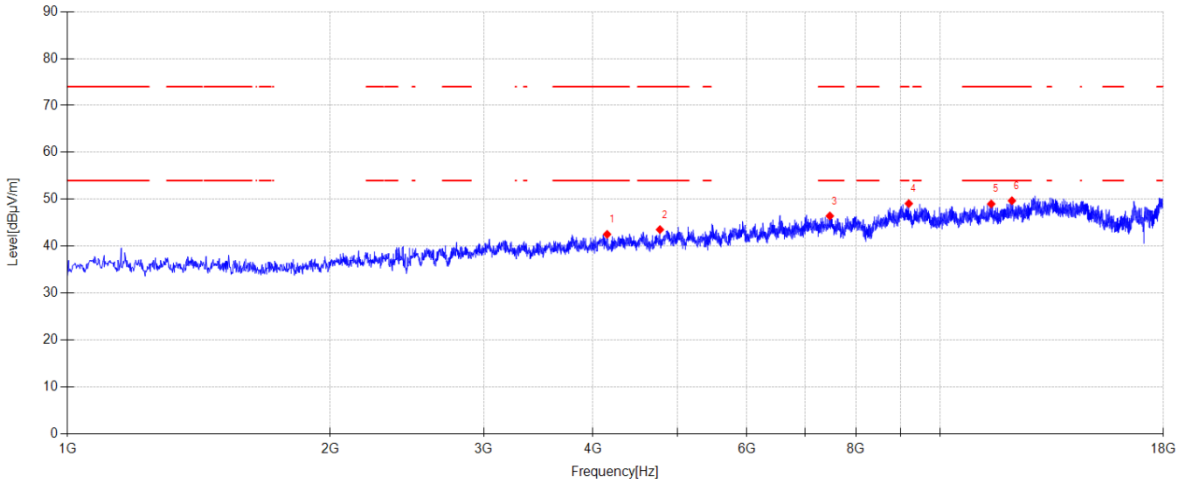


Suspected Data List										
NO.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	4233.400	47.00	31.13	4.73	-39.72	43.14	74.00	30.86	PK	Vertical
2	4859.000	44.78	32.94	5.15	-39.79	43.08	74.00	30.92	PK	Vertical
3	7548.400	44.61	36.22	5.81	-39.85	46.79	74.00	27.21	PK	Vertical
4	8087.300	43.69	37.25	6.04	-39.70	47.28	74.00	26.72	PK	Vertical
5	9047.800	42.09	38.88	6.79	-38.65	49.11	74.00	24.89	PK	Vertical
6	11150.700	42.89	38.85	7.47	-39.60	49.61	74.00	24.39	PK	Vertical

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-06-01	**Tested By**:	Cao Jie
Test Mode:	TX BLE 2M 2440MHz Mode	**Power Supply**:	Battery
Condition:	Temp:22.5°C;Humi:55.6%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2026 report data\Q26052027-1E\FCC ABOVE 1G BLE\9		
Memo:	Sample Number: S26052027-001 Left side		



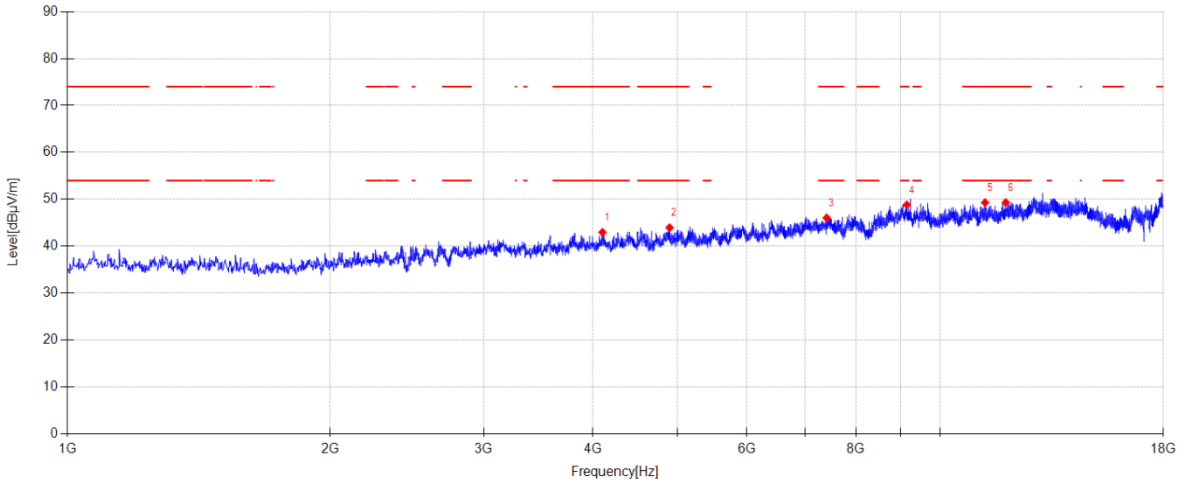
Suspected Data List

NO.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	4151.800	46.10	31.48	4.67	-39.72	42.53	74.00	31.47	PK	Horizontal
2	4772.300	46.05	32.16	5.10	-39.78	43.53	74.00	30.47	PK	Horizontal
3	7470.200	43.79	36.72	5.78	-39.85	46.44	74.00	27.56	PK	Horizontal
4	9199.100	42.72	38.41	6.77	-38.82	49.08	74.00	24.92	PK	Horizontal
5	11432.900	41.56	39.47	7.58	-39.60	49.01	74.00	24.99	PK	Horizontal
6	12075.500	42.04	39.38	7.81	-39.54	49.69	74.00	24.31	PK	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-06-01	**Tested By**:	Cao Jie
Test Mode:	TX BLE 2M 2440MHz Mode	**Power Supply**:	Battery
Condition:	Temp:22.5°C;Humi:55.6%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2026 report data\Q26052027-1E\FCC ABOVE 1G BLE\10		
Memo:	Sample Number: S26052027-001 Left side		



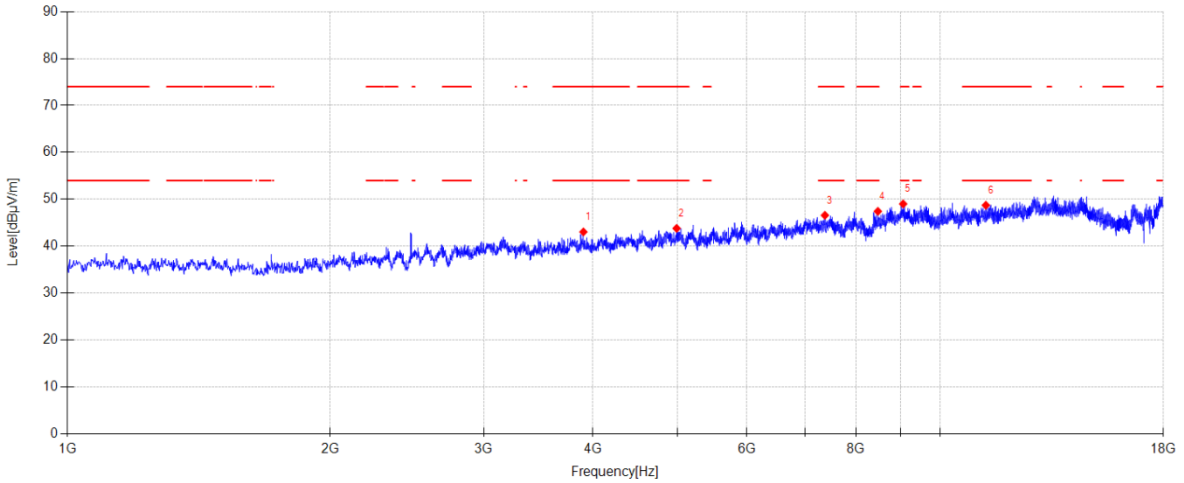
Suspected Data List

NO.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	4100.800	46.92	31.11	4.64	-39.71	42.96	74.00	31.04	PK	Vertical
2	4894.700	45.47	33.08	5.18	-39.79	43.94	74.00	30.06	PK	Vertical
3	7407.300	43.44	36.69	5.76	-39.86	46.03	74.00	27.97	PK	Vertical
4	9149.800	41.80	39.00	6.78	-38.76	48.82	74.00	25.18	PK	Vertical
5	11247.600	42.68	38.70	7.51	-39.60	49.29	74.00	24.71	PK	Vertical
6	11880.000	42.63	38.52	7.76	-39.60	49.31	74.00	24.69	PK	Vertical

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-06-01	**Tested By**:	Cao Jie
Test Mode:	TX BLE 2M 2478MHz Mode	**Power Supply**:	Battery
Condition:	Temp:22.5°C;Humi:55.6%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2026 report data\Q26052027-1E\FCC ABOVE 1G BLE\7		
Memo:	Sample Number: S26052027-001 Left side		



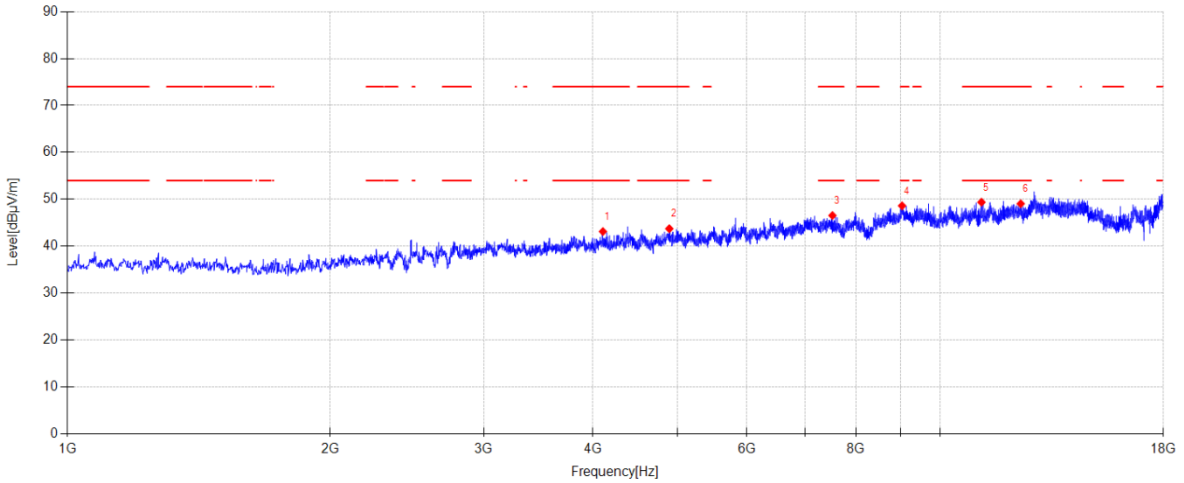
Suspected Data List

NO.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	3900.200	47.24	30.90	4.56	-39.66	43.04	74.00	30.96	PK	Horizontal
2	4986.500	45.32	33.03	5.24	-39.80	43.79	74.00	30.21	PK	Horizontal
3	7373.300	43.83	36.86	5.75	-39.86	46.58	74.00	27.42	PK	Horizontal
4	8478.300	42.69	37.60	6.37	-39.23	47.43	74.00	26.57	PK	Horizontal
5	9063.100	42.23	38.66	6.79	-38.67	49.01	74.00	24.99	PK	Horizontal
6	11271.400	42.14	38.66	7.52	-39.60	48.72	74.00	25.28	PK	Horizontal

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:	2026-06-01	**Tested By**:	Cao Jie
Test Mode:	TX BLE 2M 2478MHz Mode	**Power Supply**:	Battery
Condition:	Temp:22.5°C;Humi:55.6%	**Test Site**:	DDT 3# Chamber
File Path:	d:\ts\2026 report data\Q26052027-1E\FCC ABOVE 1G BLE\8		
Memo:	Sample Number: S26052027-001 Left side		



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Detector	Polarity
1	4105.900	47.04	31.15	4.64	-39.71	43.12	74.00	30.88	PK	Vertical
2	4891.300	45.27	33.07	5.18	-39.79	43.73	74.00	30.27	PK	Vertical
3	7521.200	43.99	36.60	5.80	-39.85	46.54	74.00	27.46	PK	Vertical
4	9037.600	41.65	38.80	6.80	-38.64	48.61	74.00	25.39	PK	Vertical
5	11142.200	42.64	38.86	7.47	-39.60	49.37	74.00	24.63	PK	Vertical
6	12357.700	41.32	39.23	7.81	-39.31	49.05	74.00	24.95	PK	Vertical

Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.