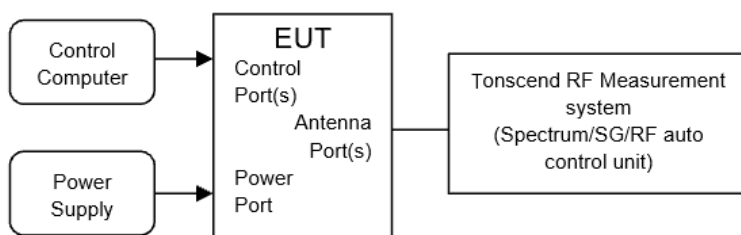




10. Band Edge Compliance (Conducted Method)

10.1. Block diagram of test setup



10.2. Limit

All restriction band should comply with 15.209, other emission should be at least 20dB below the fundamental.

10.3. Test procedure

- (1) Connect EUT's antenna output to spectrum analyzer by RF cable.
- (2) Establish a reference level by using the following procedure:

RBW:	100 kHz
VBW:	300 kHz
Span	Encompass frequency range to be measured
Detector Mode:	Peak
Sweep time:	Auto
Trace mode	Max hold
- (3) Allow the trace to stabilize, use the peak marker function to determine the maximum peak power level to establish the reference level.
- (4) Then mark the maximum amplitude of all unwanted emissions outside of the authorized frequency band.

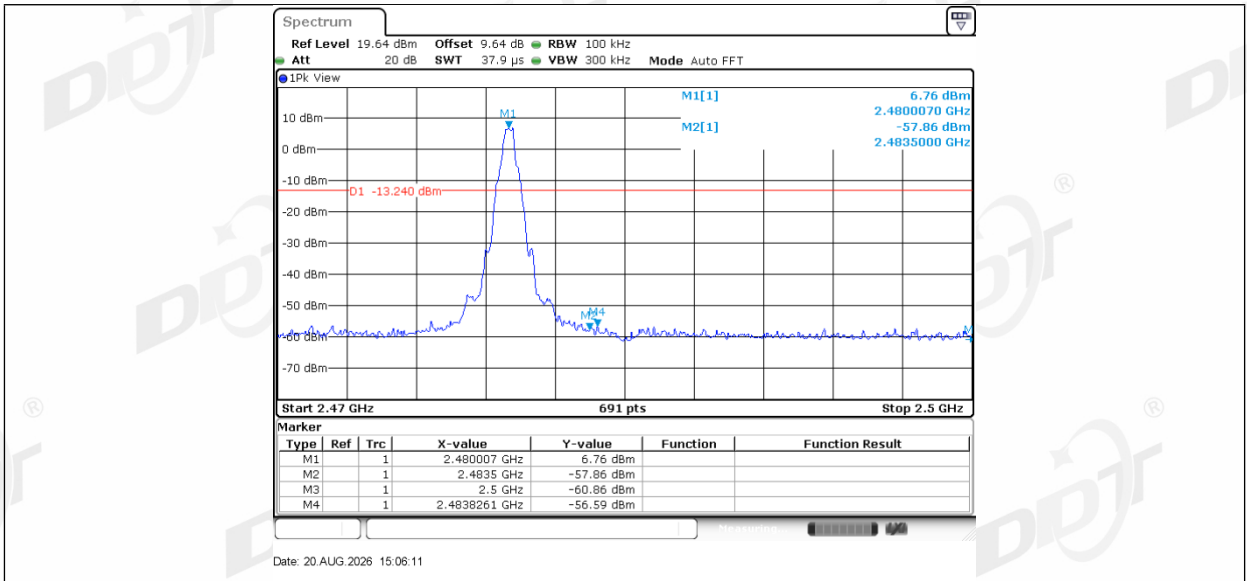
10.4. Test result

Test Engineer:	Zora Zhang	Test Site:	RF Measurement System 3#
Ambient Condition:	24℃,46%RH	Test Date:	2026.8.18-2026.8.20
Test Power Supply:	Battery	Sample Number:	S26081111-004/005

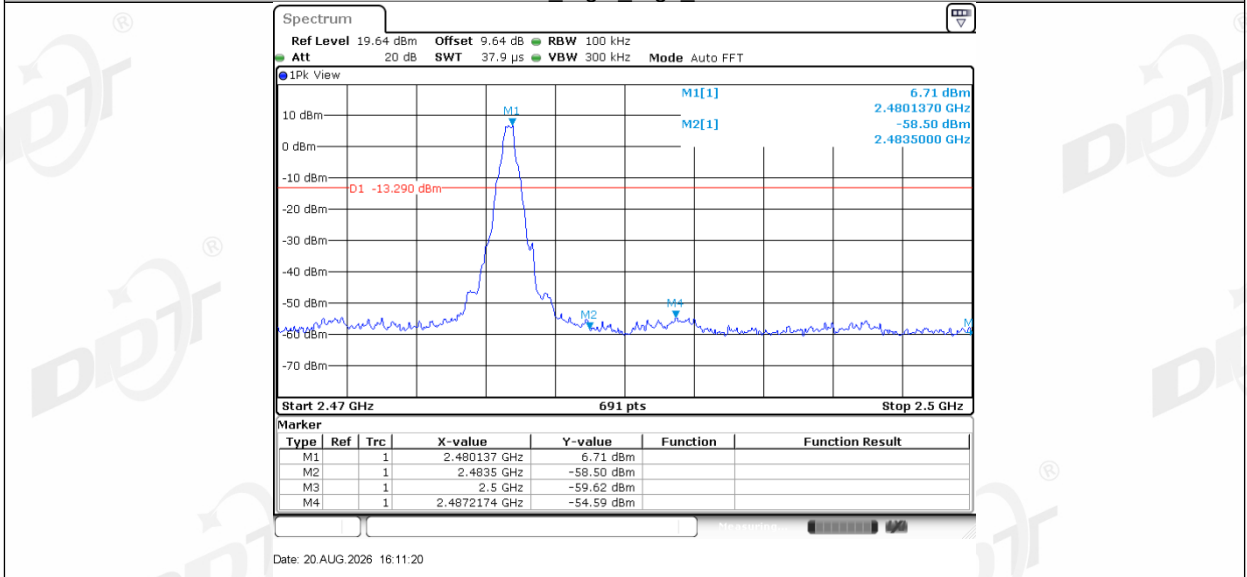
Mode	Freq. (MHz)	Verdict
GFSK	Hopping off 2402	Pass
	Hopping off 2480	Pass
	Hopping on	Pass
π /4-DQPSK	Hopping off 2402	Pass
	Hopping off 2480	Pass
	Hopping on	Pass

10.5. Test graphs

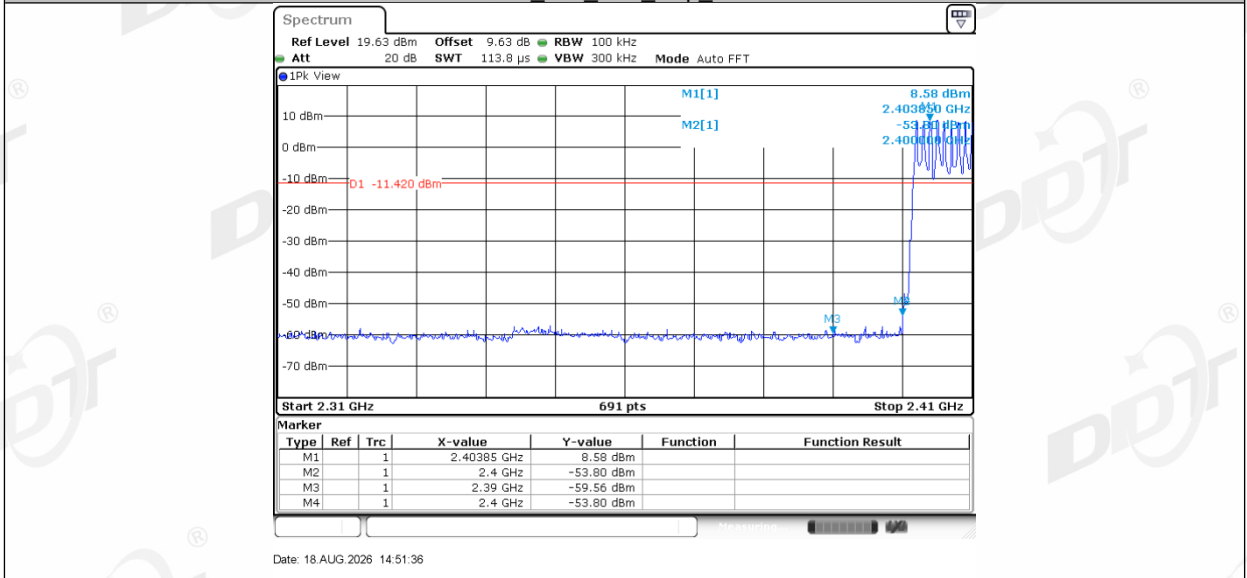




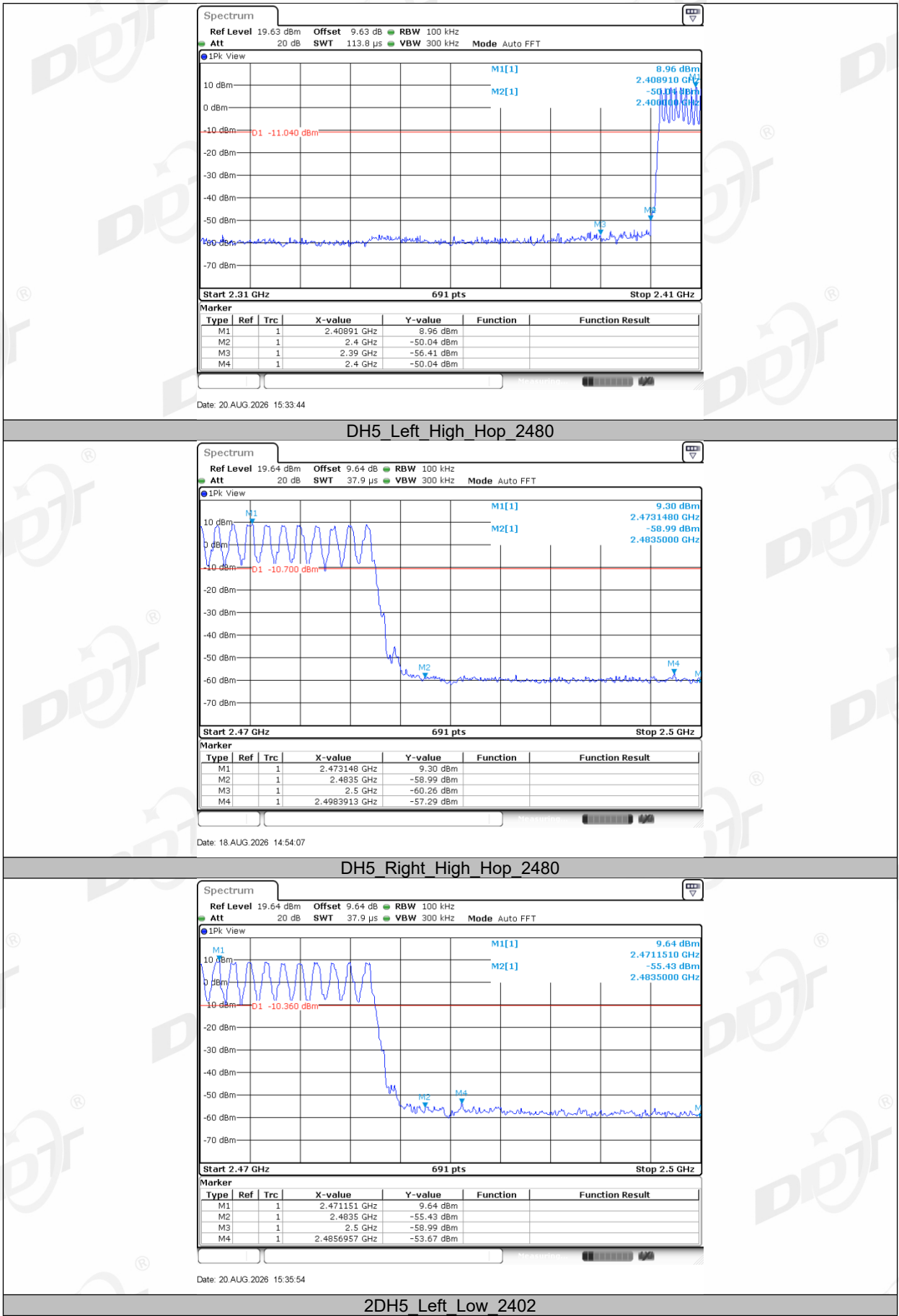
DH5 Right High 2480

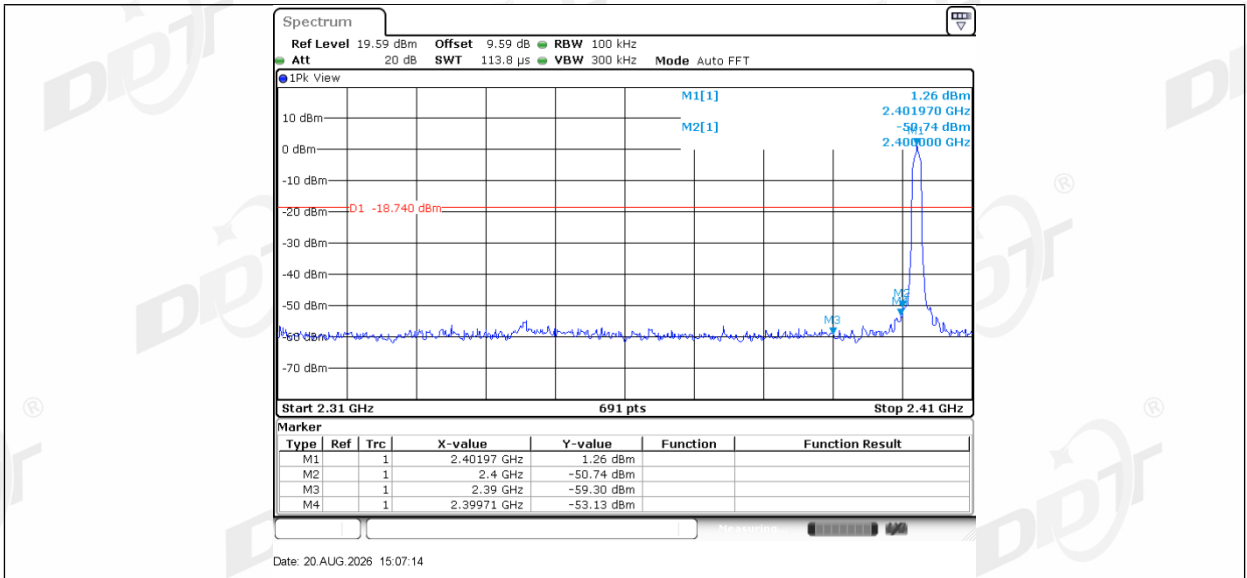


DH5 Left Low Hop 2402

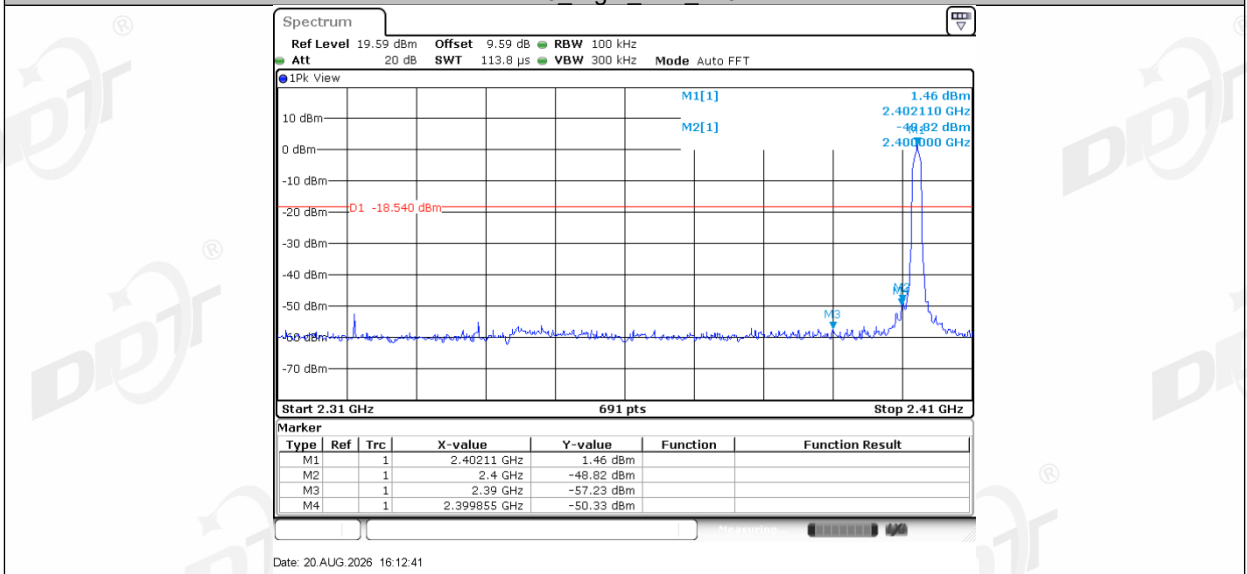


DH5 Right Low Hop 2402

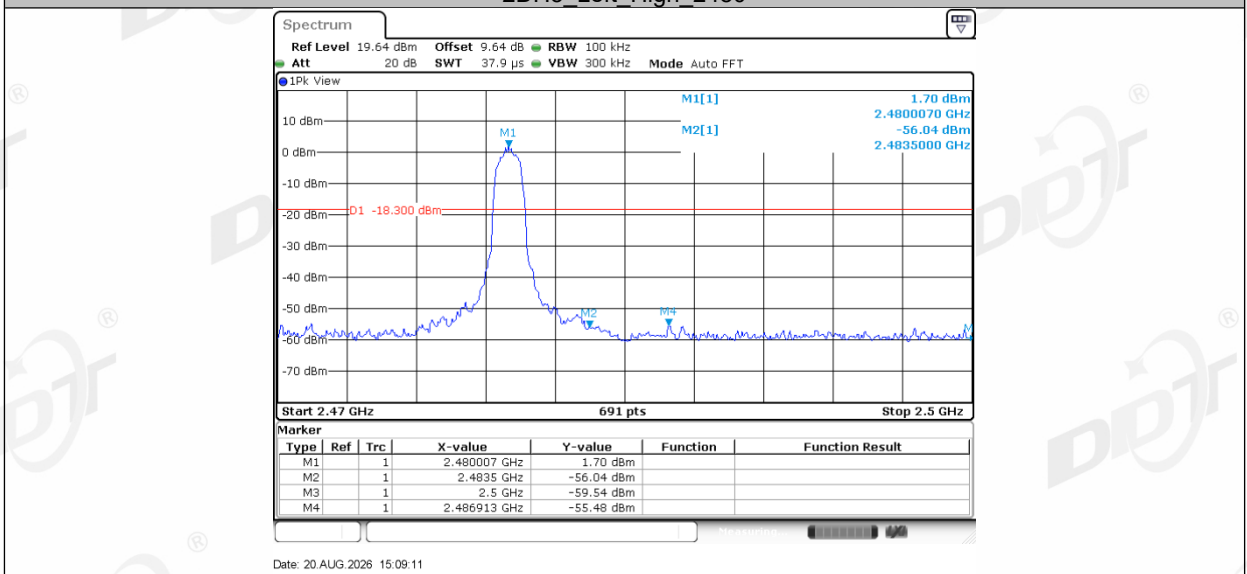




2DH5 Right Low 2402

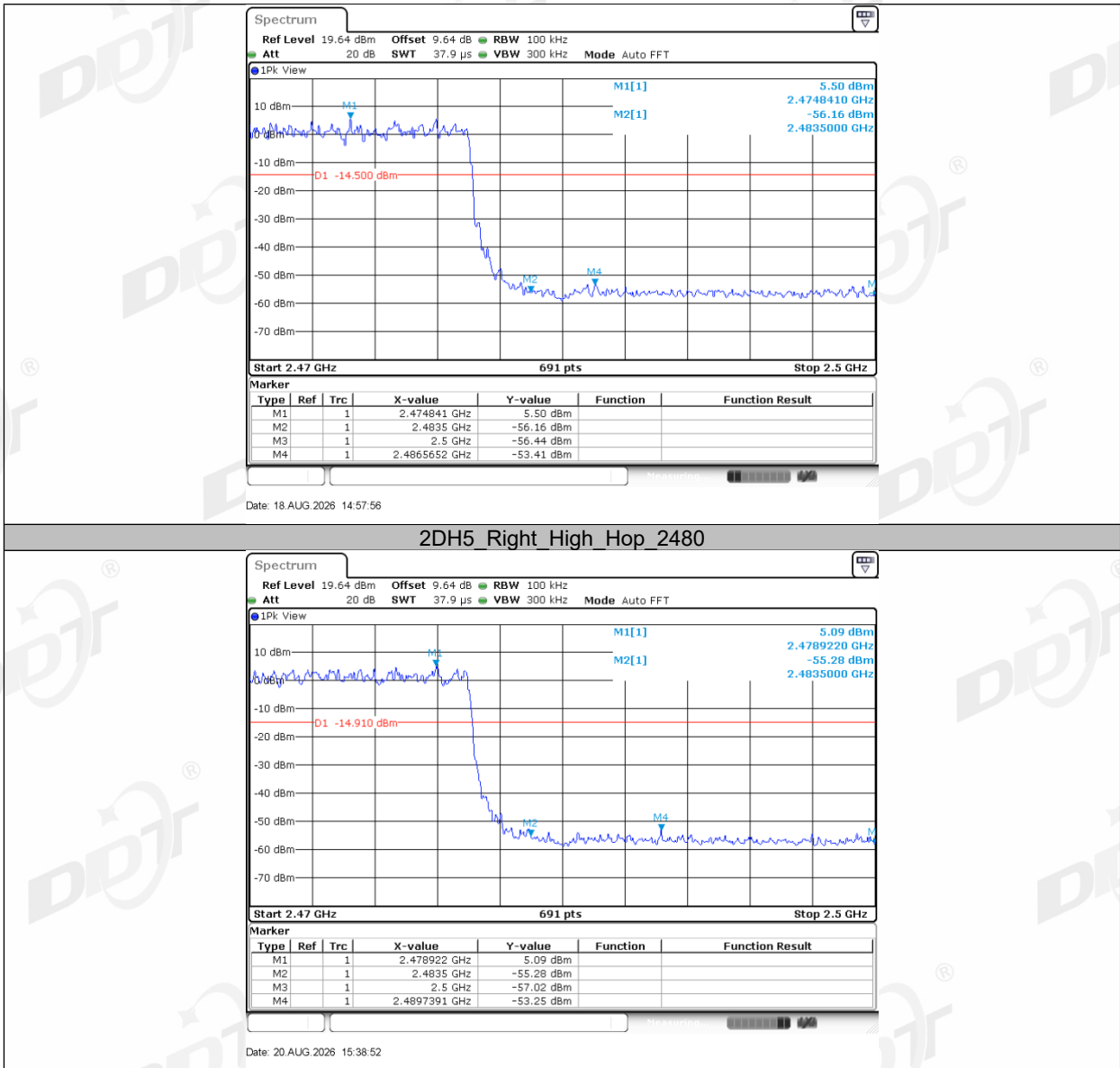


2DH5 Left High 2480



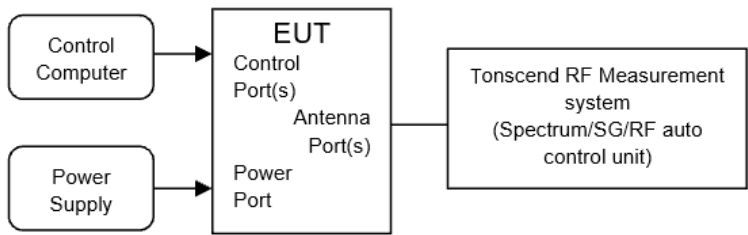
2DH5 Right High 2480





11. RF Conducted Spurious Emissions

11.1. Block diagram of test setup



11.2. Limits

In any 100 kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power.

11.3. Test procedure

- (1) Connect EUT's antenna output to spectrum analyzer by RF cable.
- (2) Establish a reference level by using the following procedure:

Center frequency	Test frequency
RBW:	100 kHz
VBW:	300 kHz
Span	Wide enough to capture the peak level of the in-band emission
Detector Mode:	Peak
Sweep time:	Auto
Trace mode	Max hold
- (3) Allow the trace to stabilize, use the peak marker function to determine the maximum peak power level to establish the reference level.
- (4) Set the spectrum analyzer as follows:

RBW:	100 kHz
VBW:	300 kHz
Span	Encompass frequency range to be measured
Number of measurement points	$\geq \text{Span}/\text{RBW}$
Detector Mode:	Peak
Sweep time:	Auto
Trace mode	Max hold

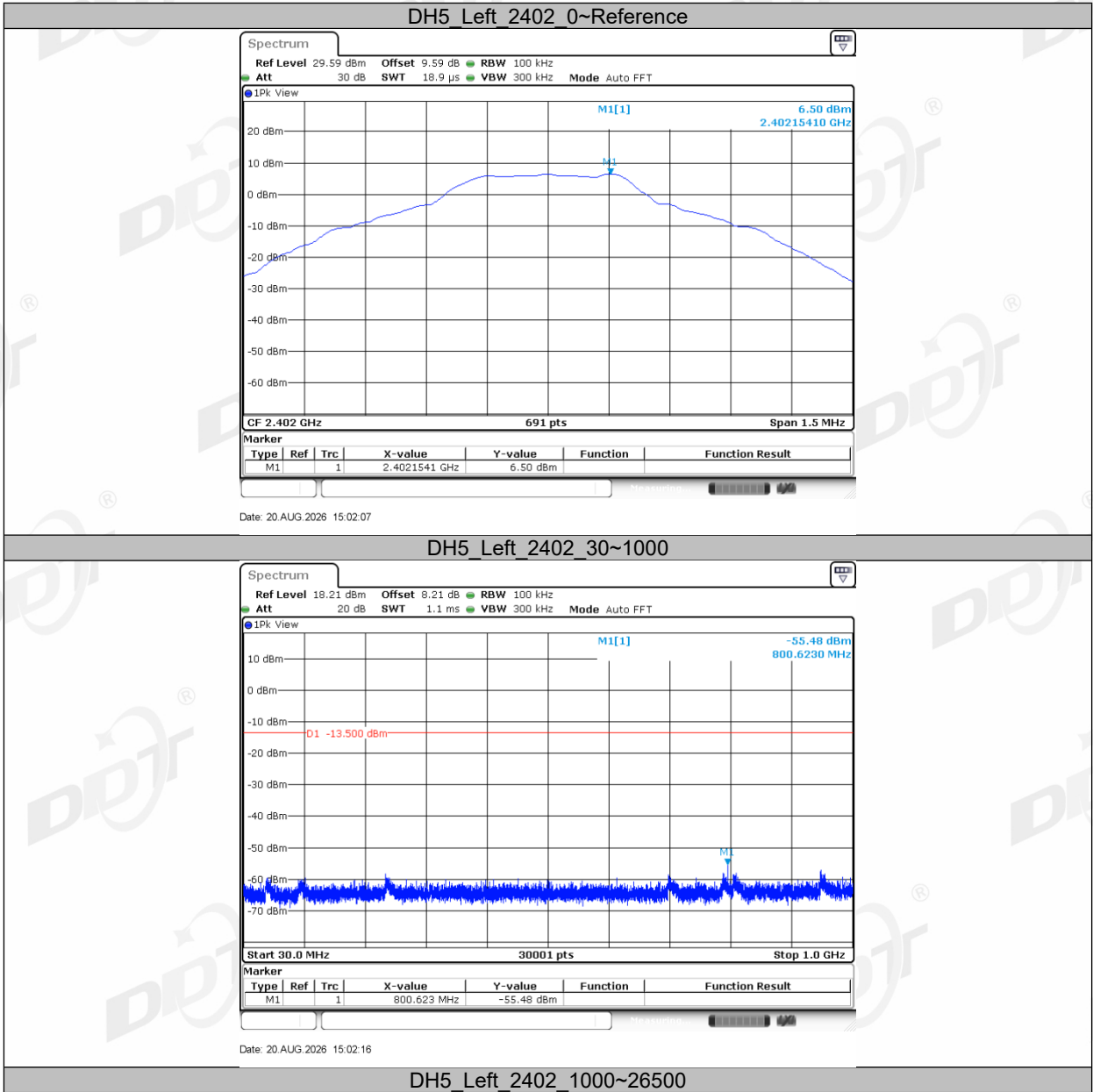
Allow the trace to stabilize, use the peak marker function to determine the maximum amplitude of all unwanted emissions outside of the authorized frequency band

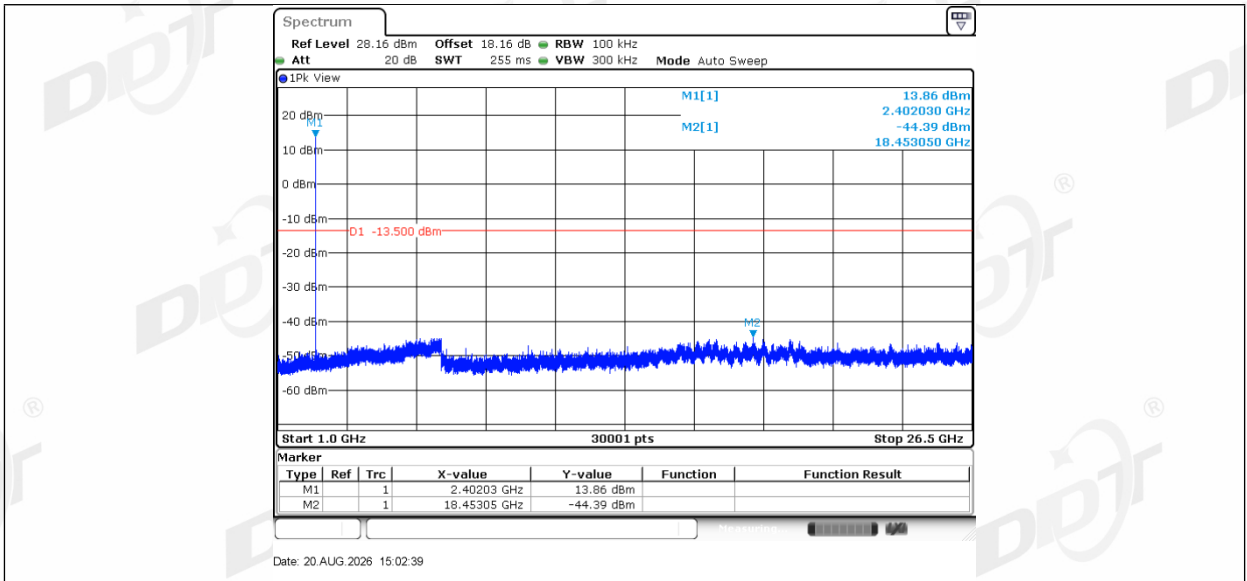
11.4. Test result

Test Engineer:	Zora Zhang	Test Site:	RF Measurement System 3#
Ambient Condition:	24℃,46%RH	Test Date:	2026.8.18-2026.8.20
Test Power Supply:	Battery	Sample Number:	S26081111-004/005

Mode	Freq. (MHz)	Verdict
GFSK	Hopping off 2402	Pass
	Hopping off 2441	Pass
	Hopping off 2480	Pass
π /4-DQPSK	Hopping off 2402	Pass
	Hopping off 2441	Pass
	Hopping off 2480	Pass

11.5. Test graphs

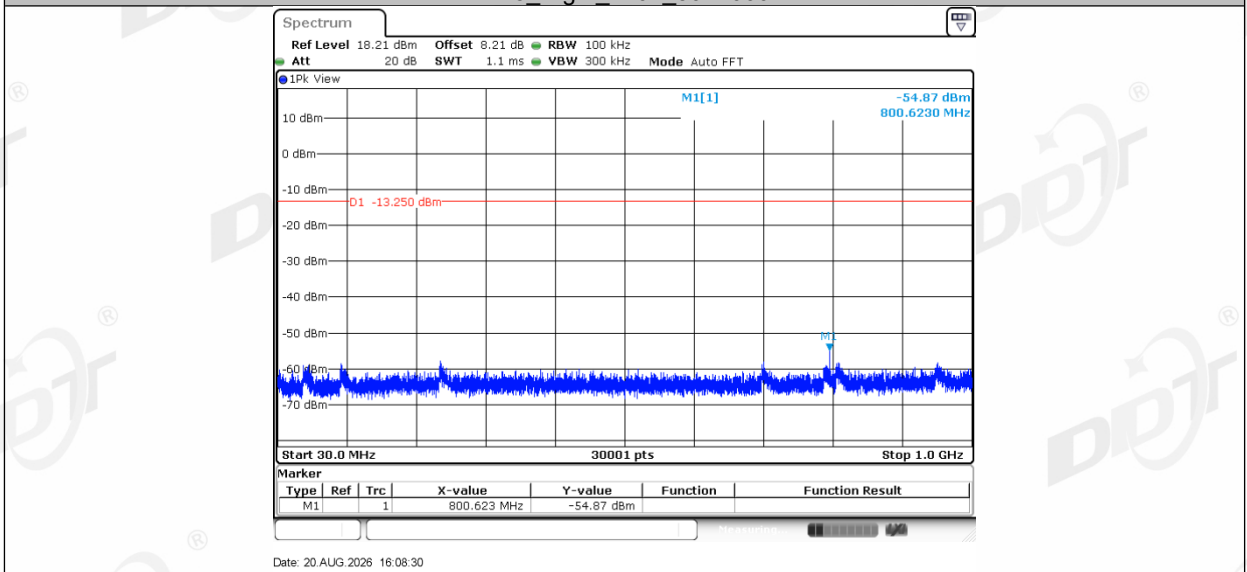




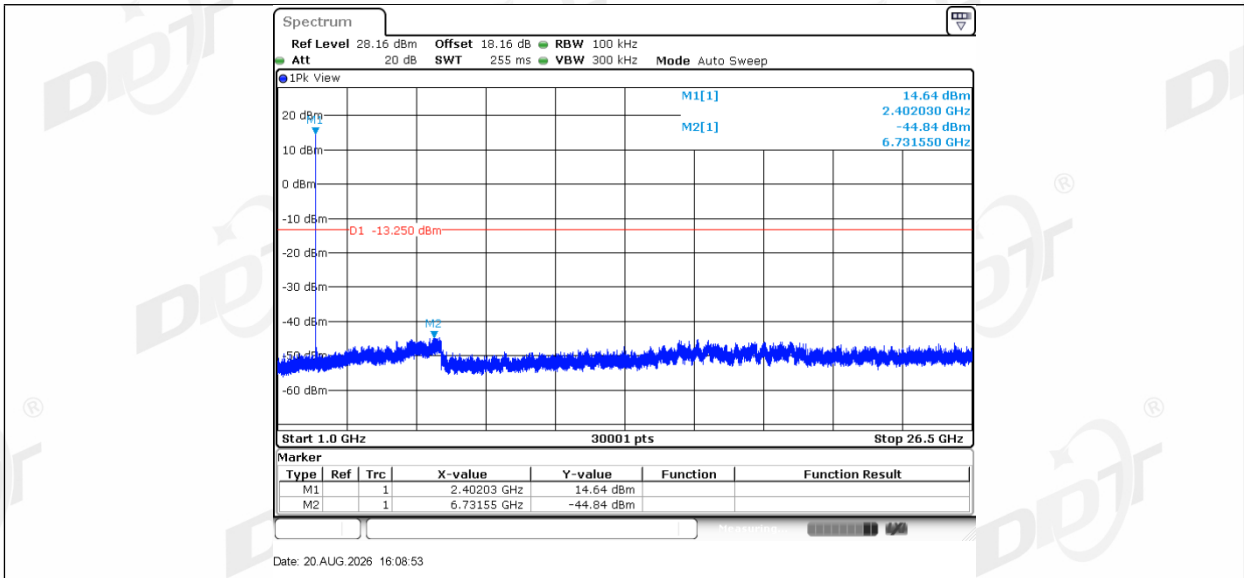
DH5_Right_2402_0~Reference



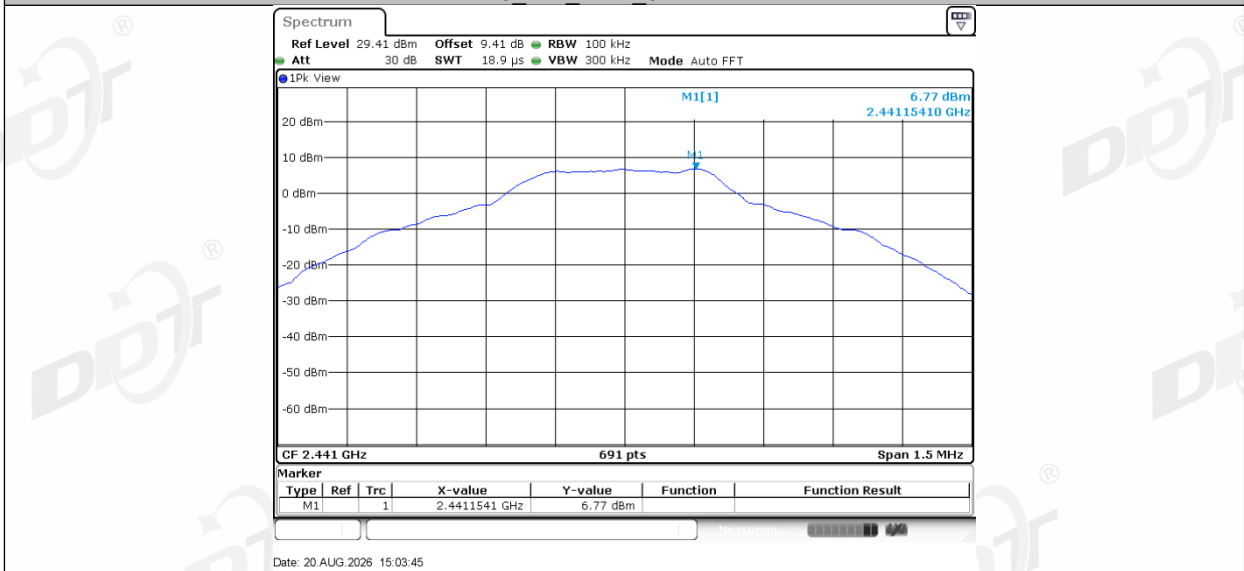
DH5_Right_2402_30~1000



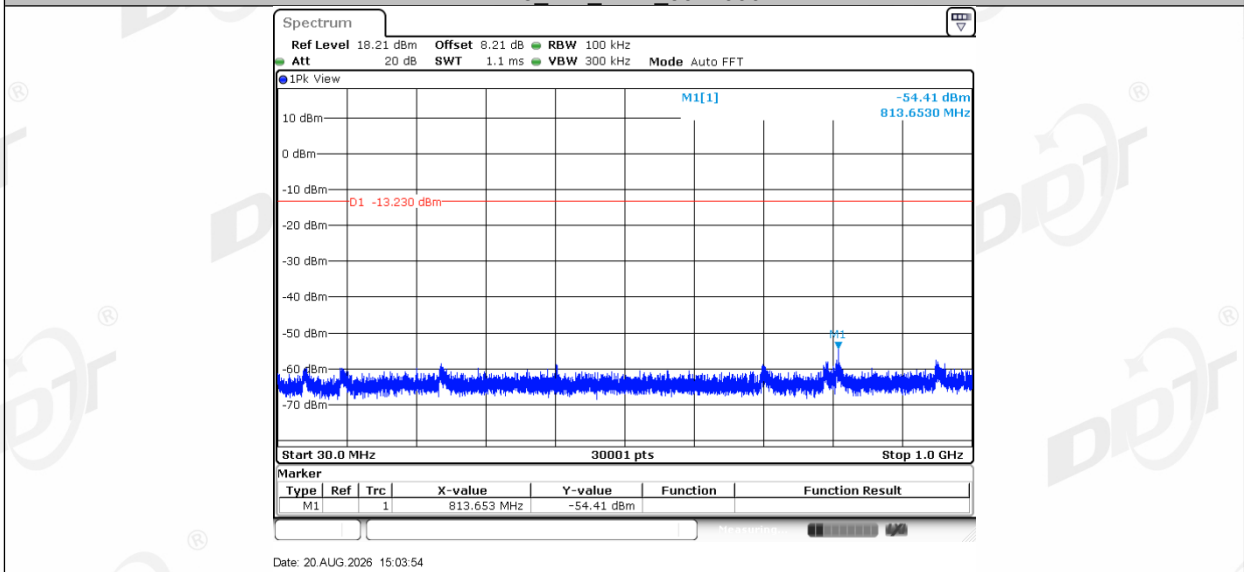
DH5_Right_2402_1000~26500



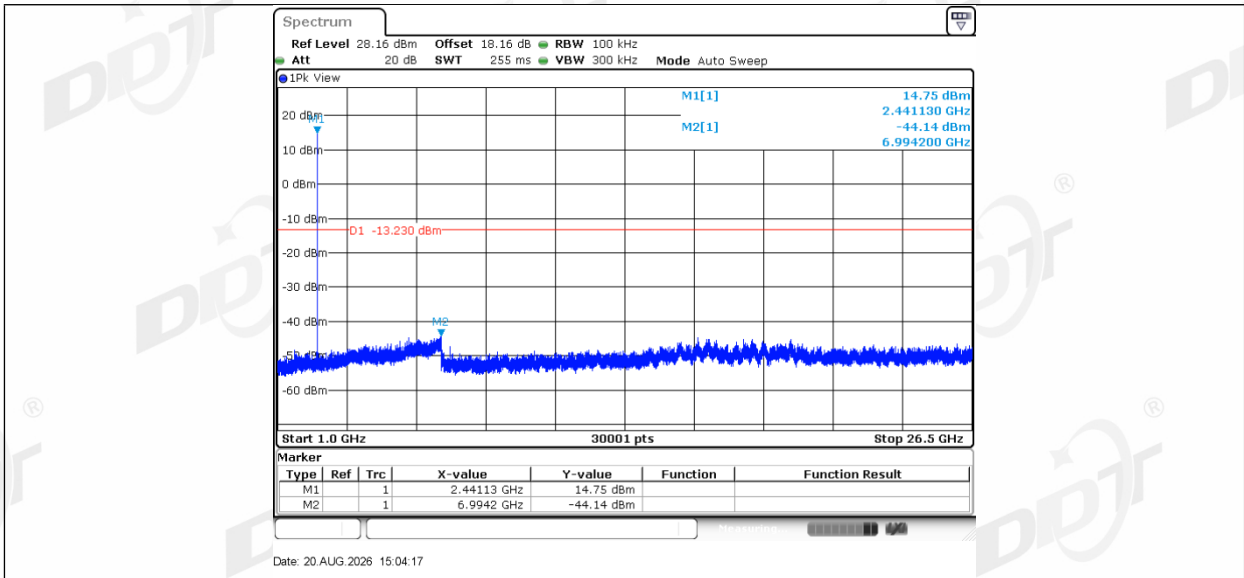
DH5 Left 2441 0~Reference



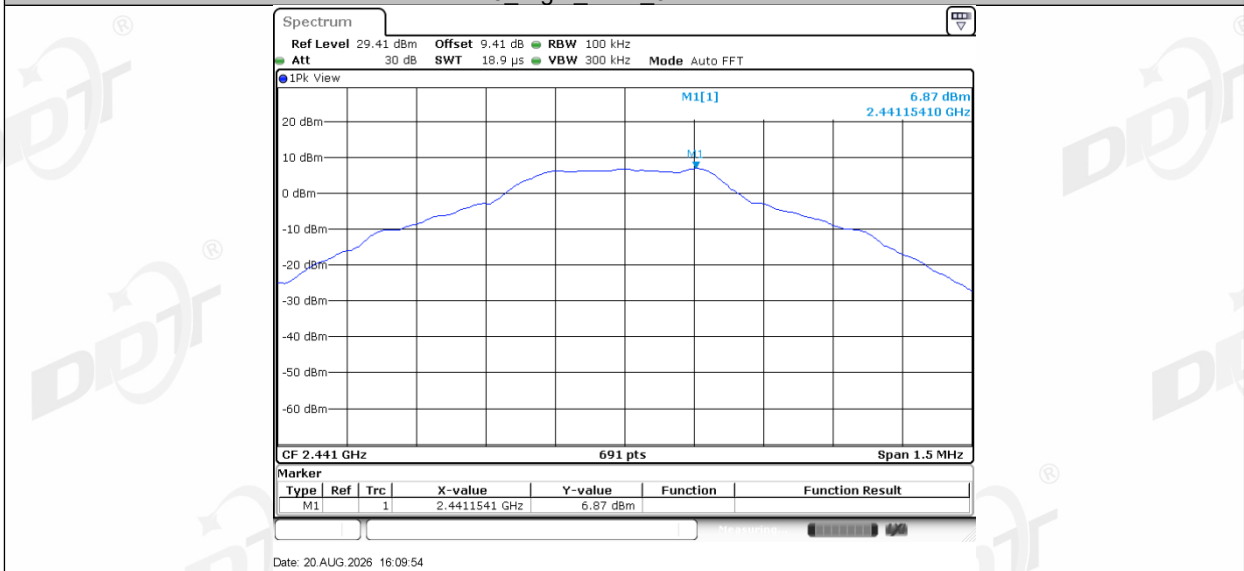
DH5 Left 2441_30~1000



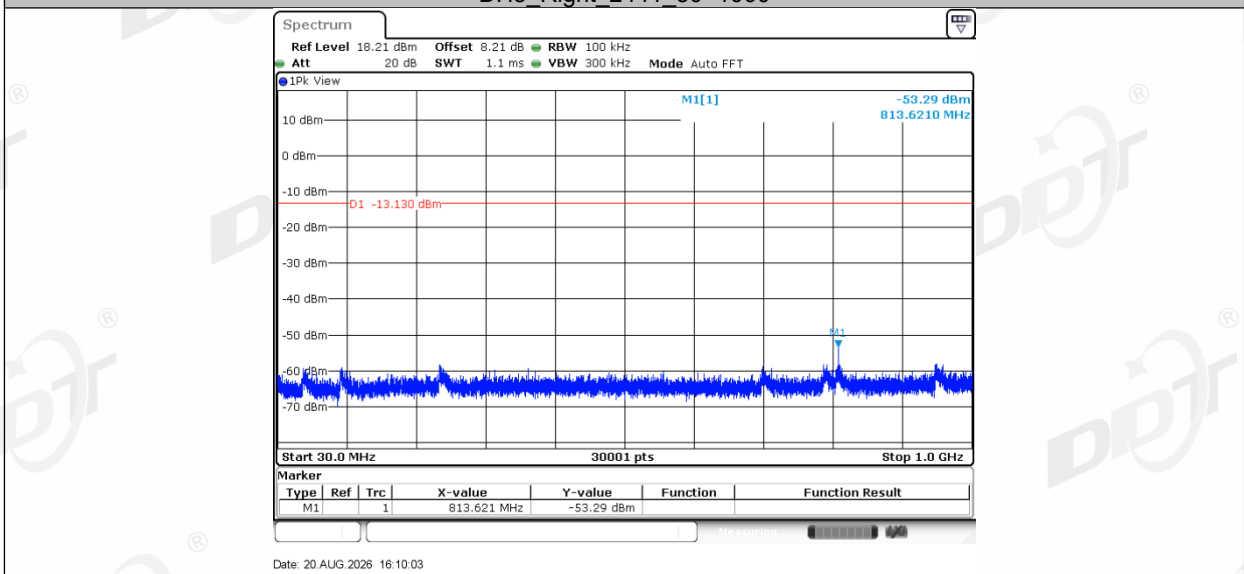
DH5 Left 2441 1000~26500



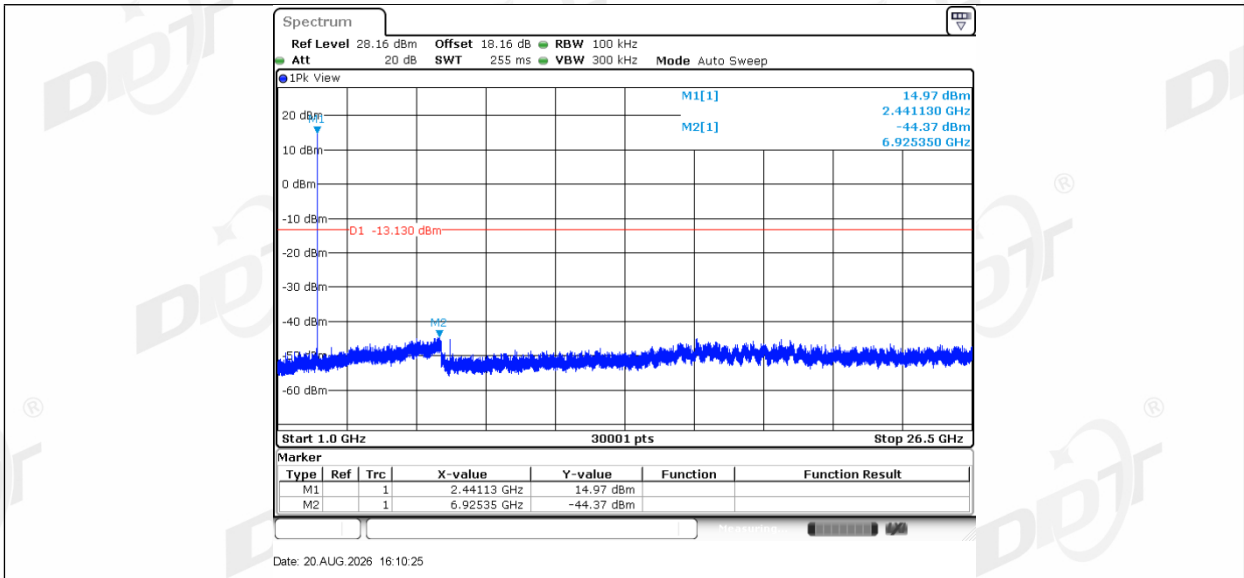
DH5_Right_2441_0~Reference



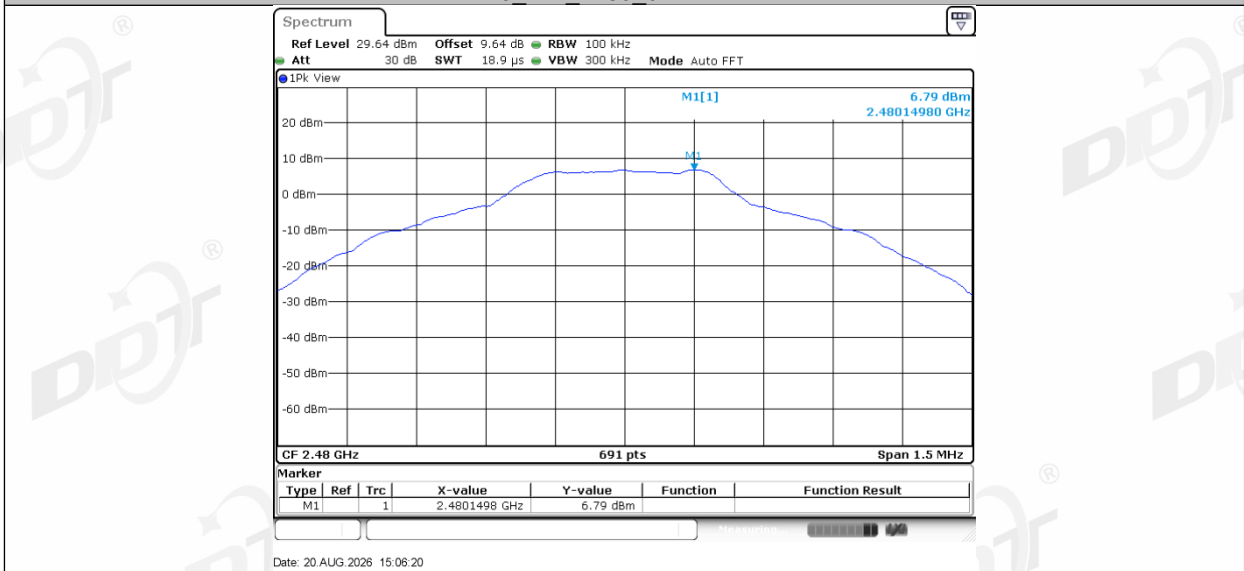
DH5_Right_2441_30~1000



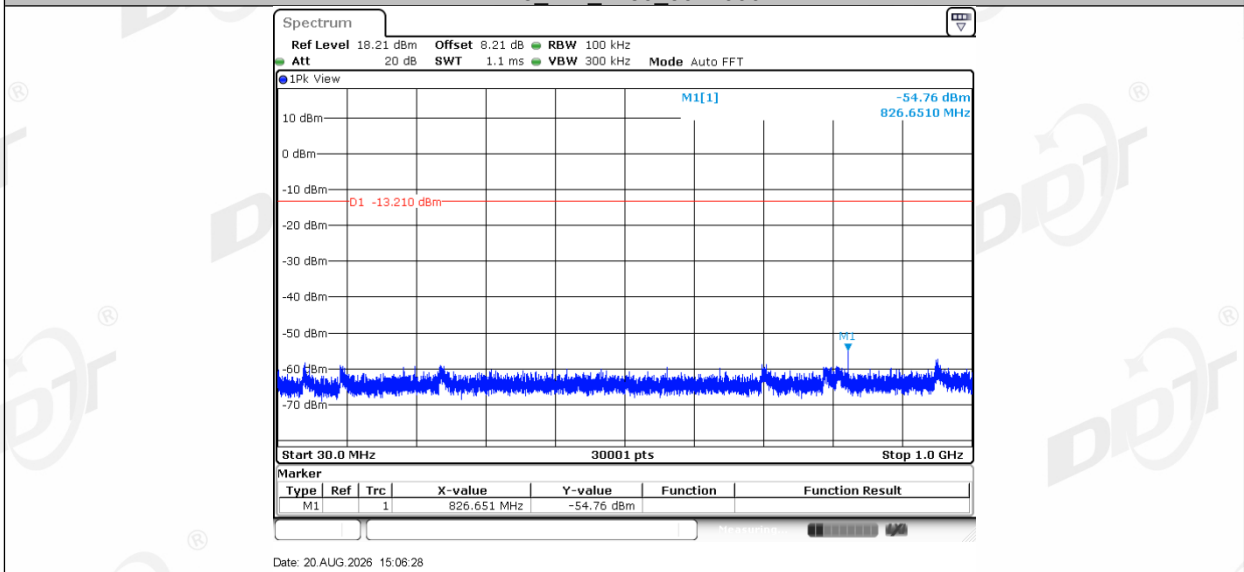
DH5_Right_2441_1000~26500



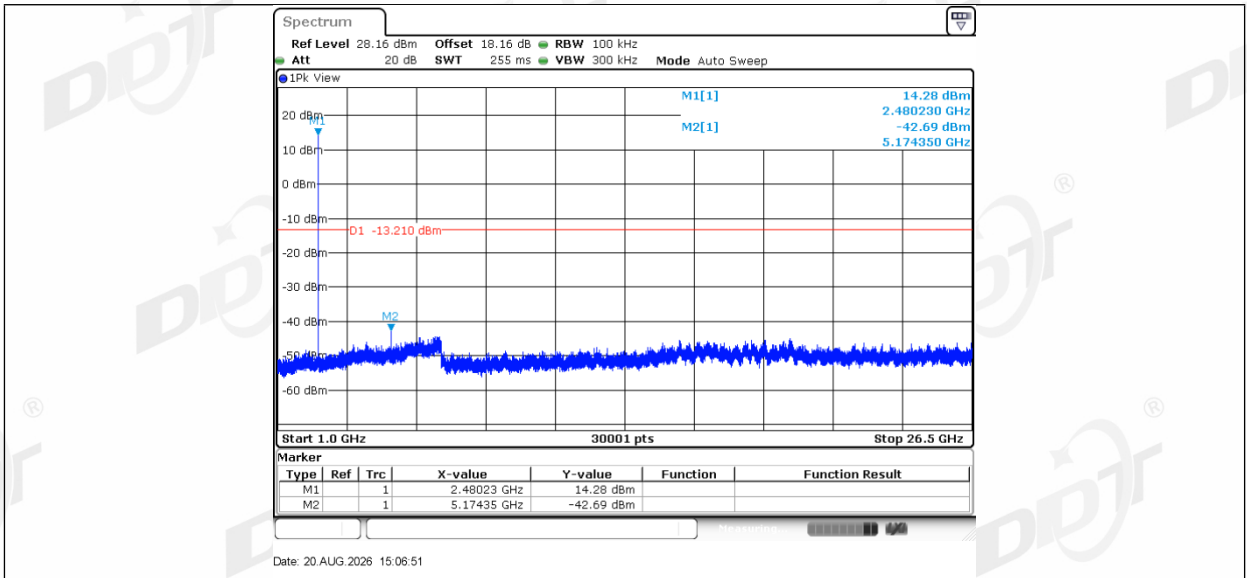
DH5 Left 2480 0~Reference



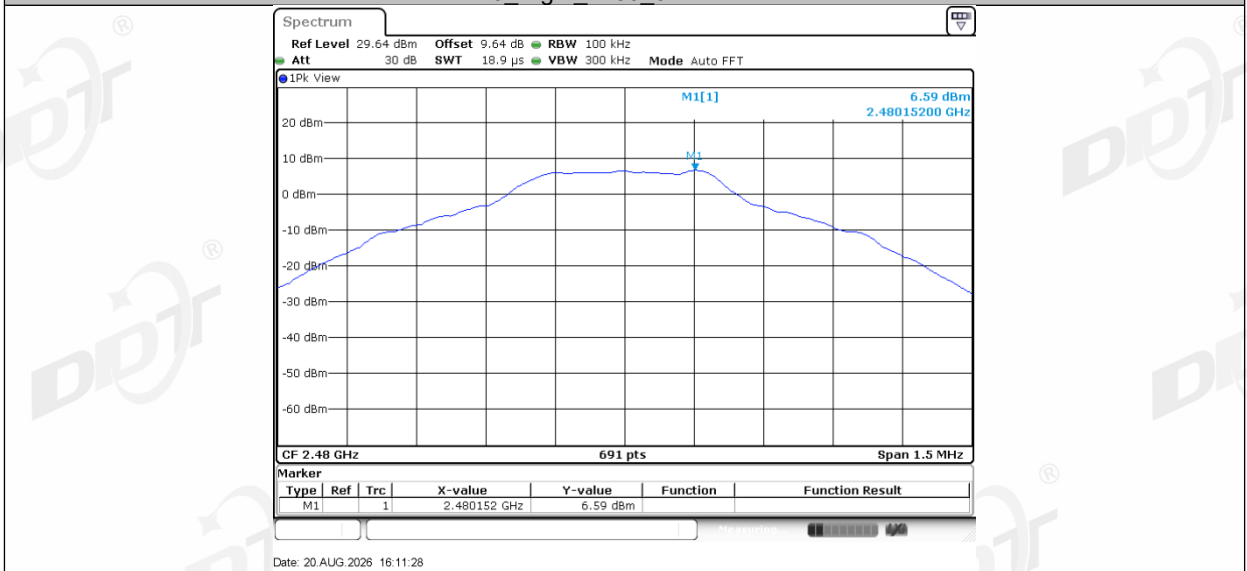
DH5 Left 2480 30~1000



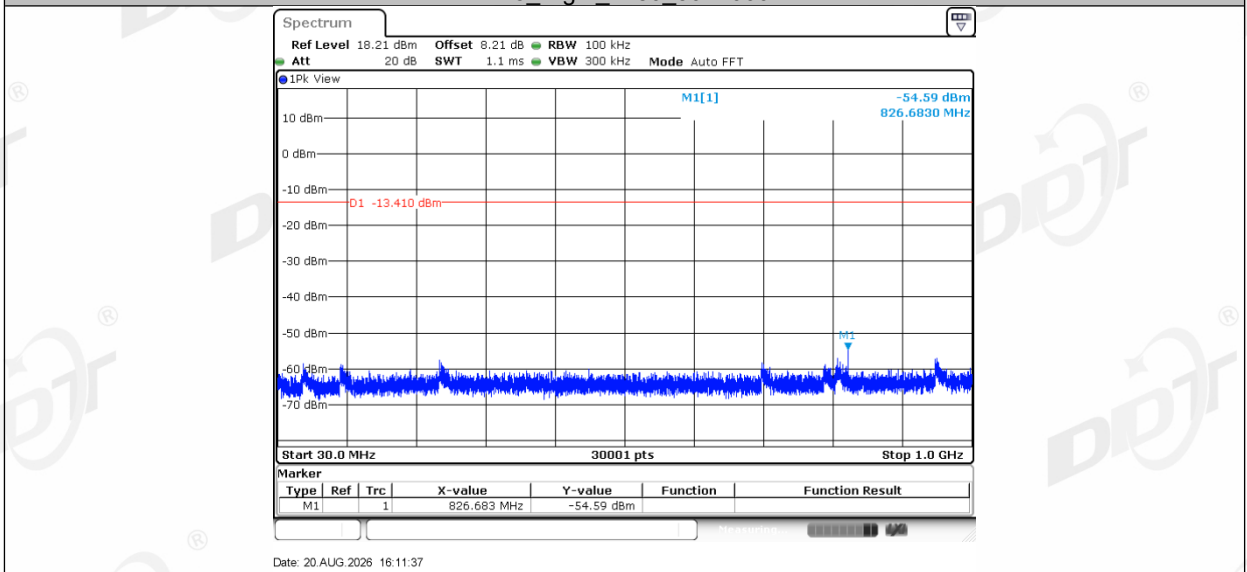
DH5 Left 2480 1000~26500



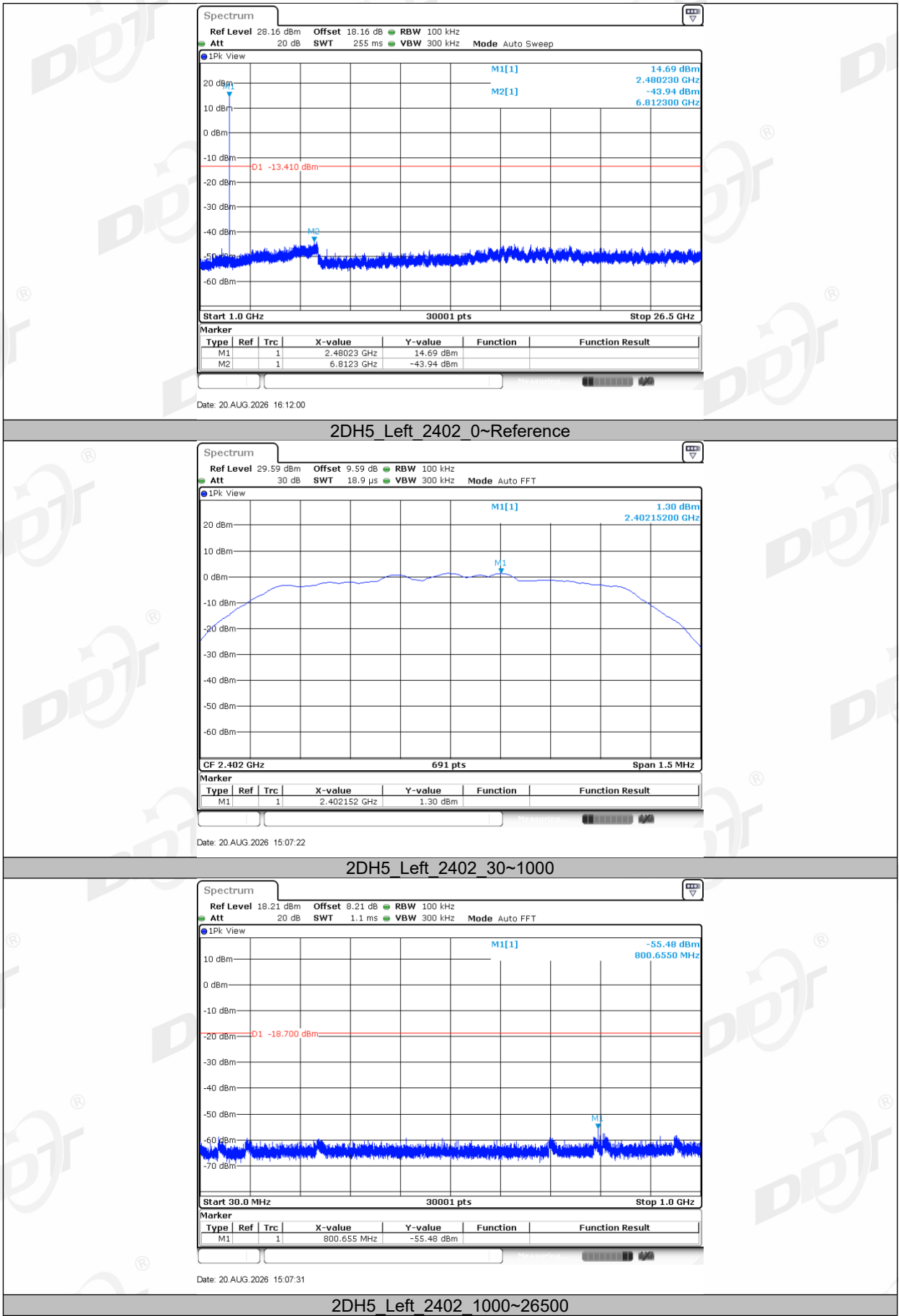
DH5_Right_2480_0~Reference

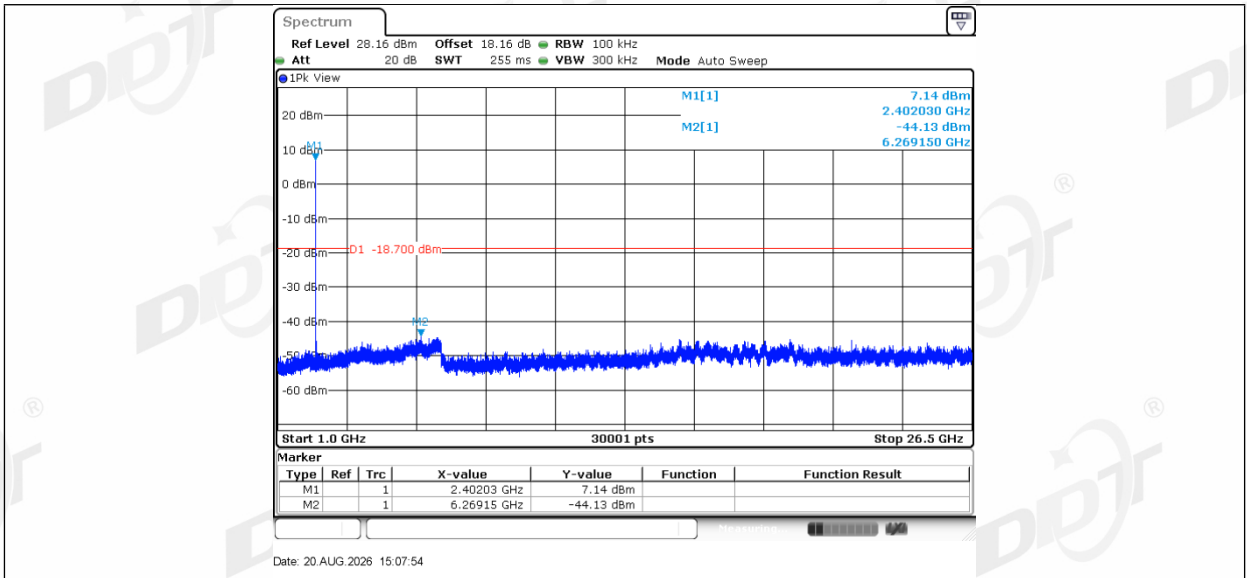


DH5_Right_2480_30~1000

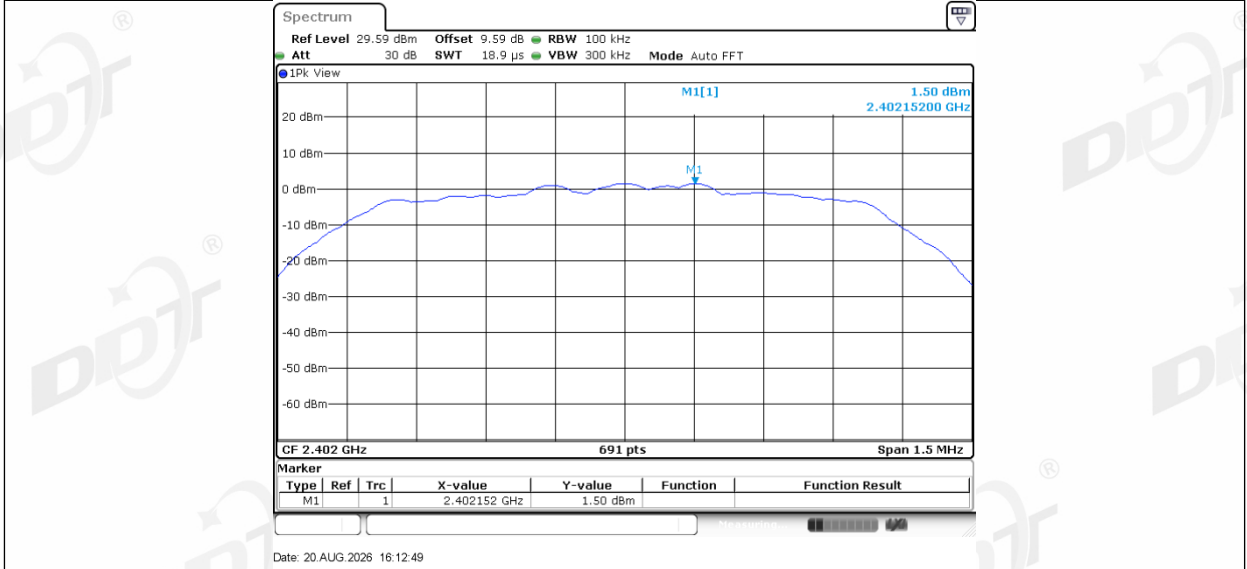


DH5_Right_2480_1000~26500

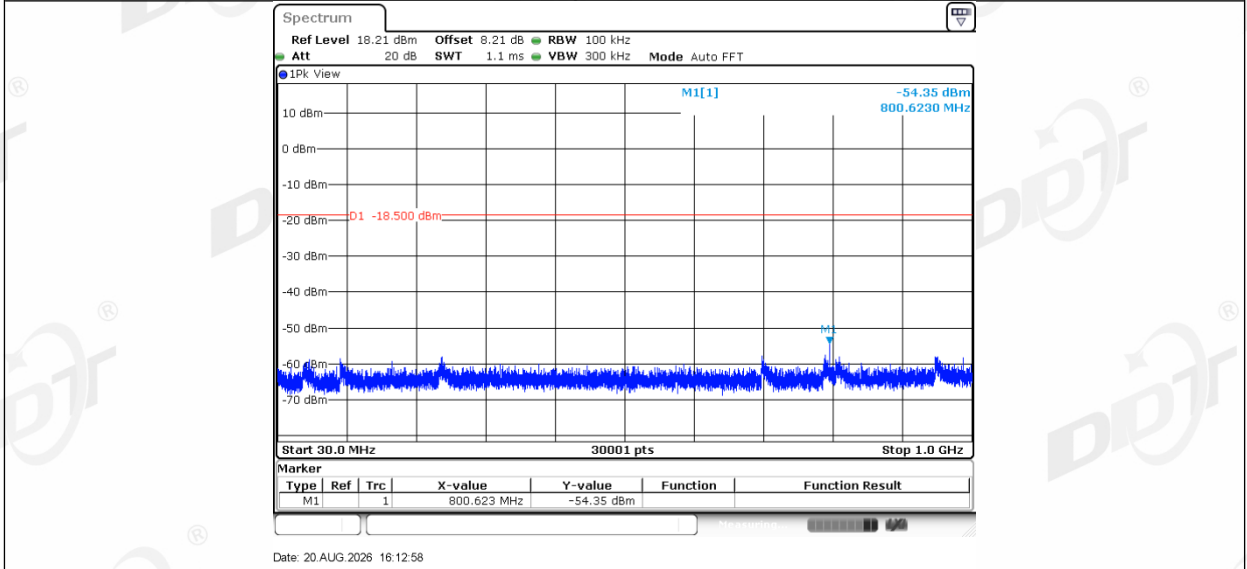




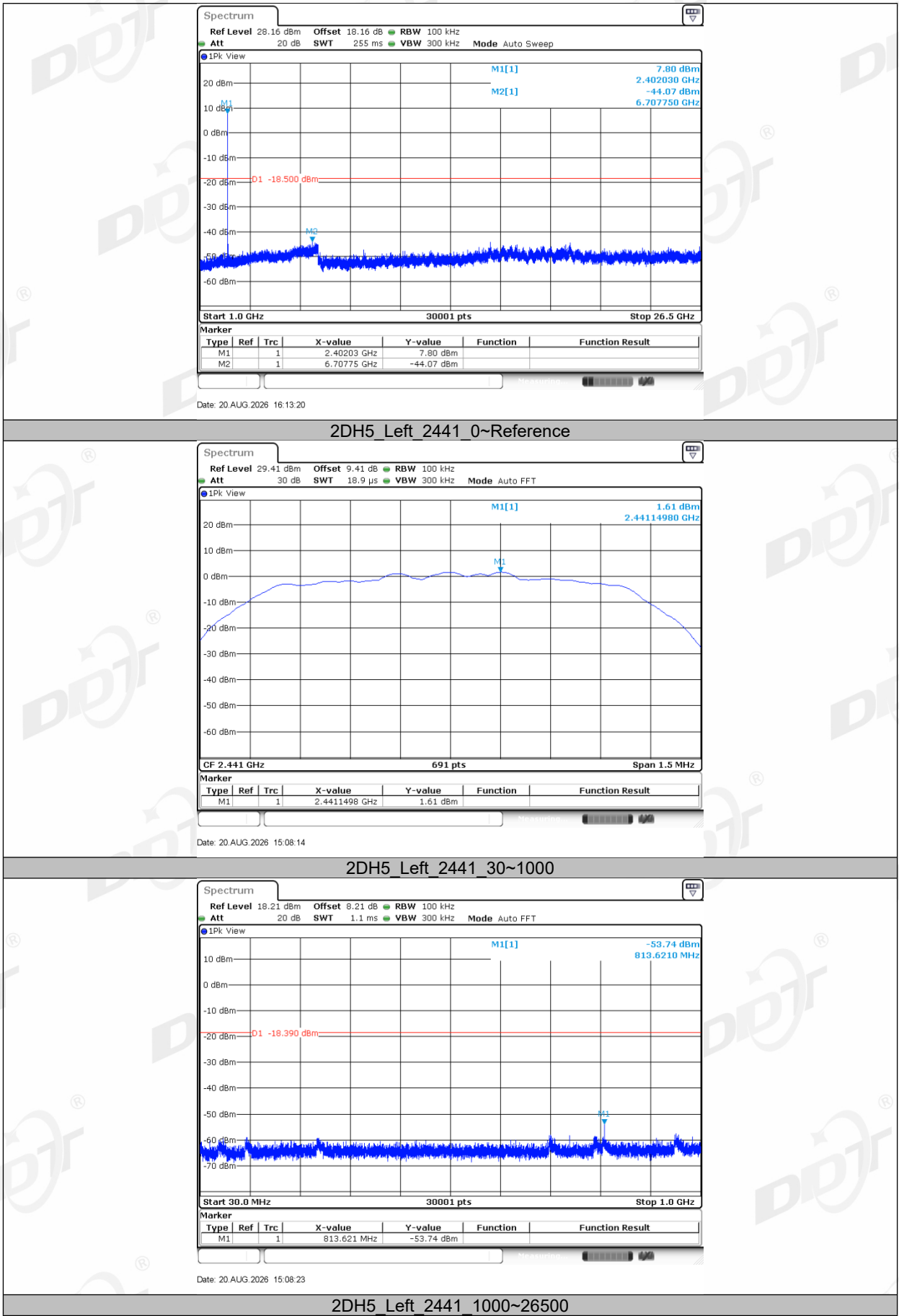
2DH5_Right_2402_0~Reference

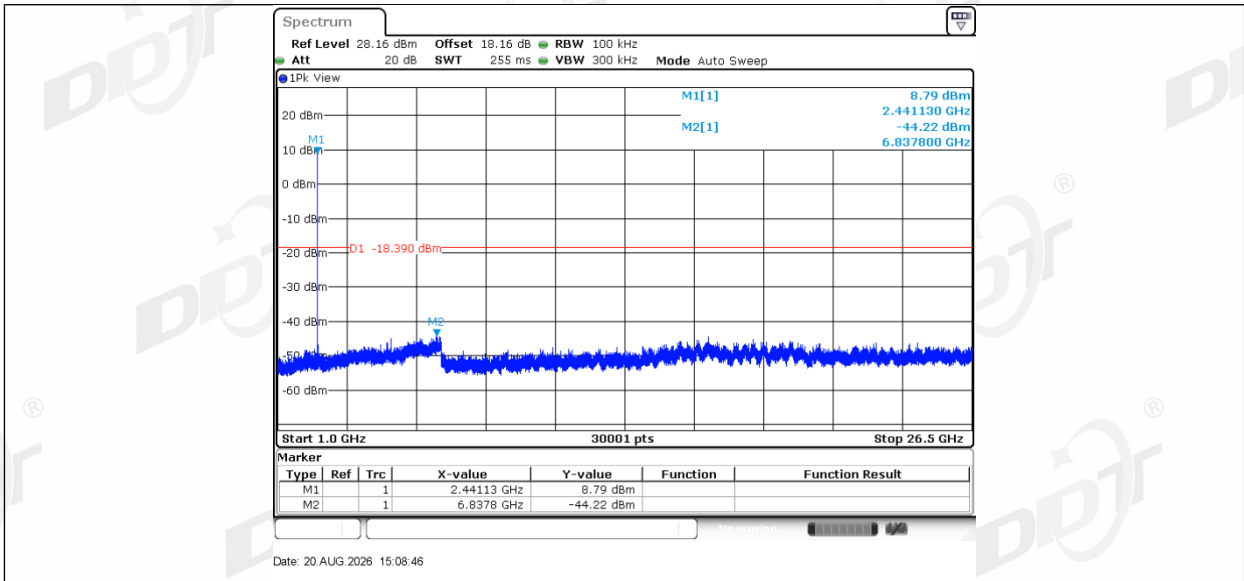


2DH5_Right_2402_30~1000

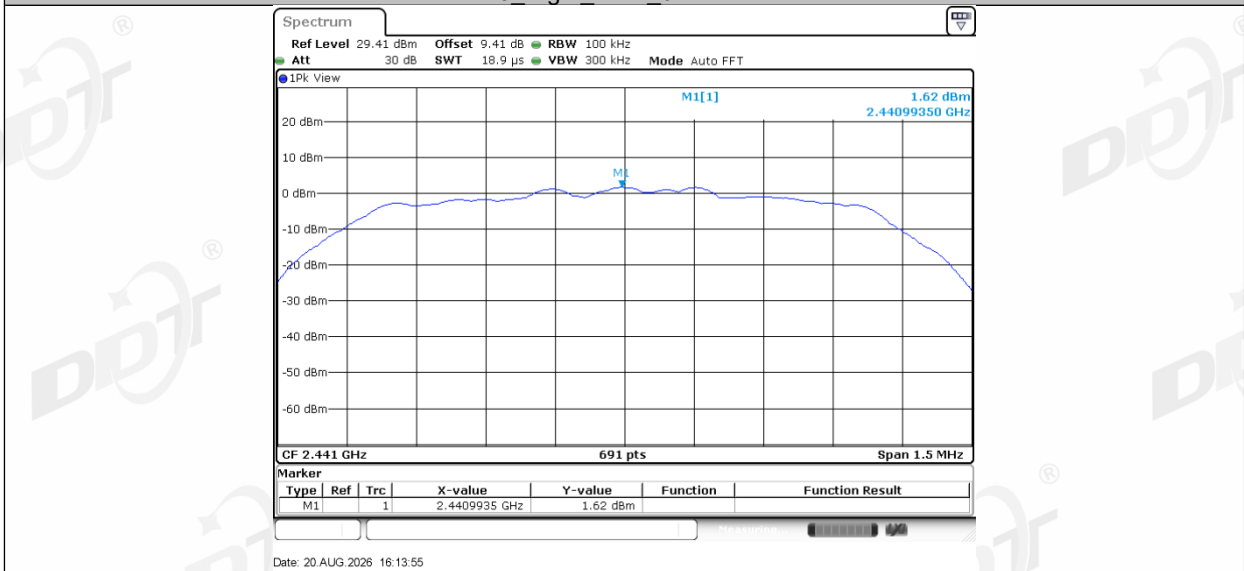


2DH5_Right_2402_1000~26500

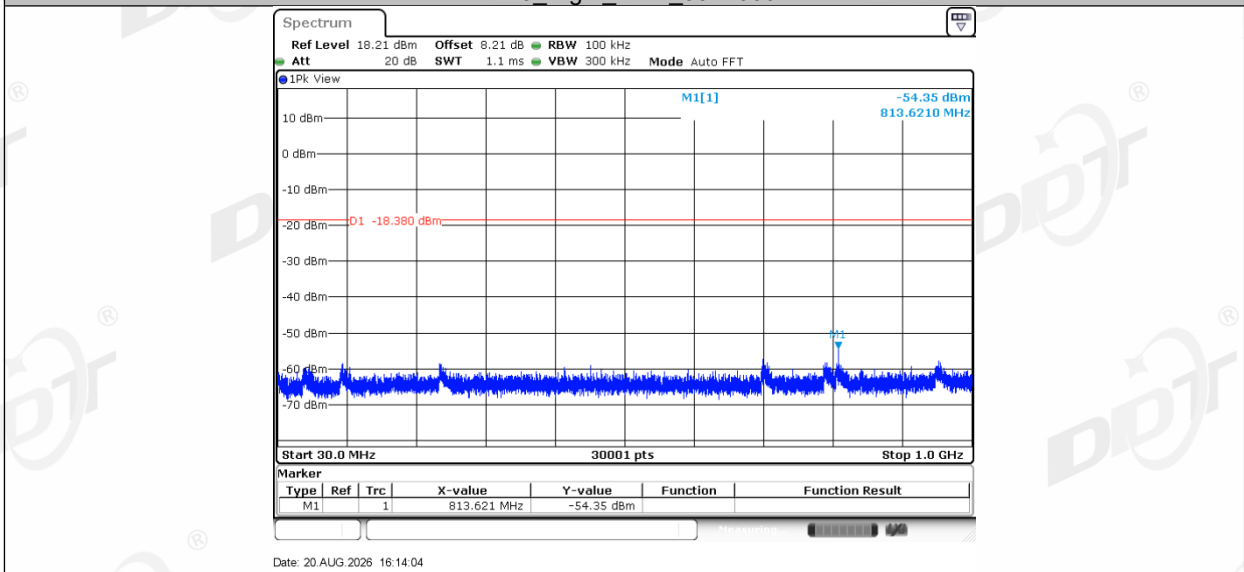




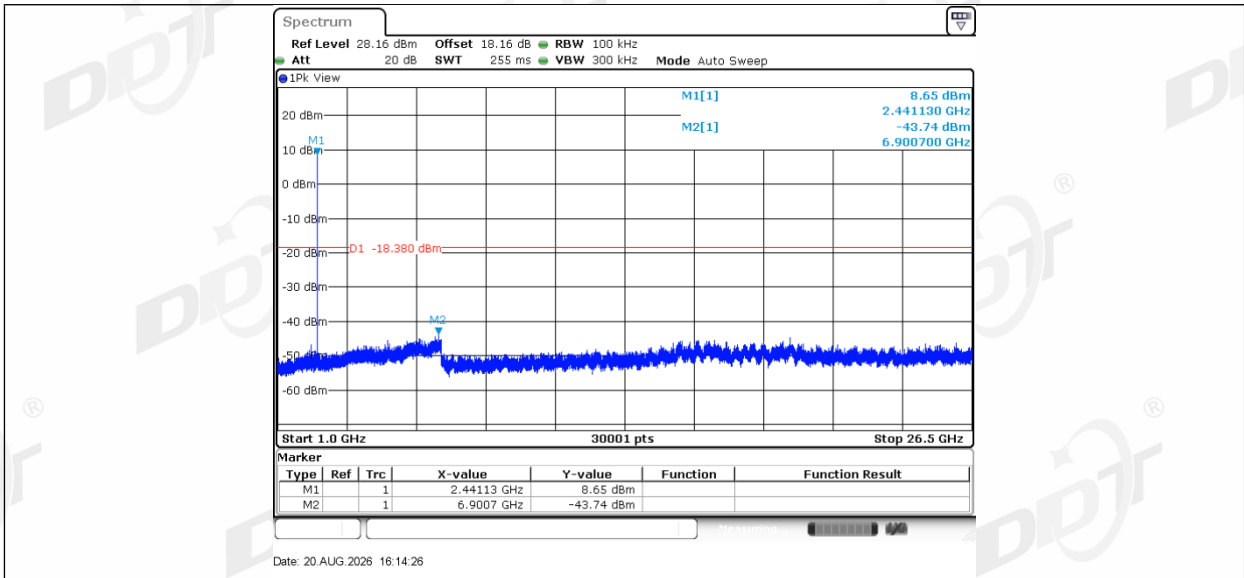
2DH5_Right_2441_0~Reference



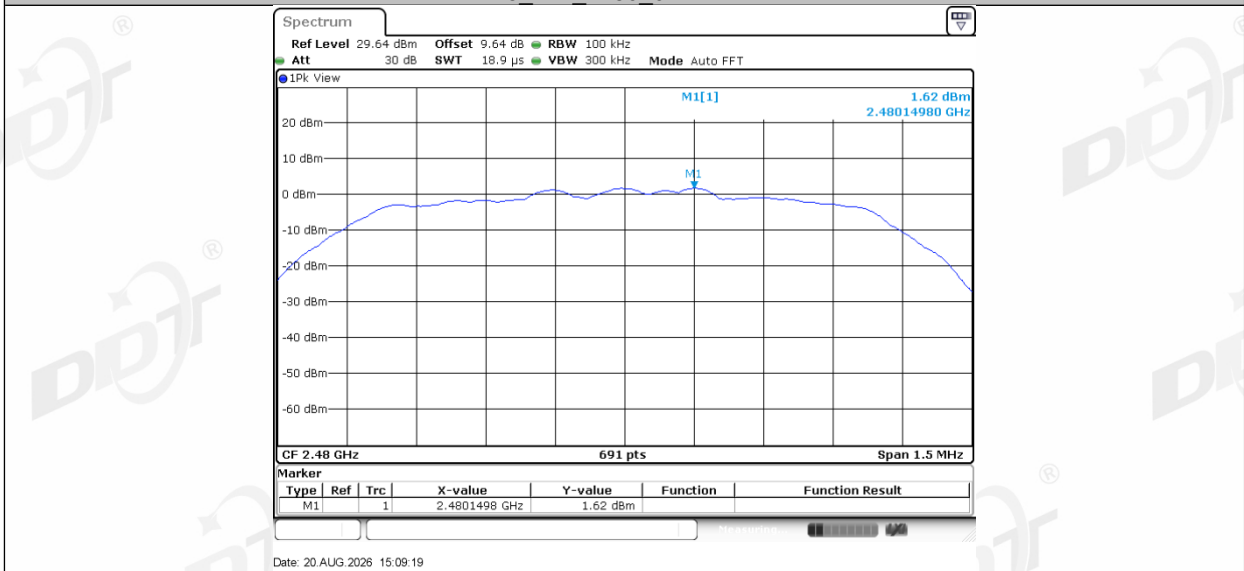
2DH5_Right_2441_30~1000



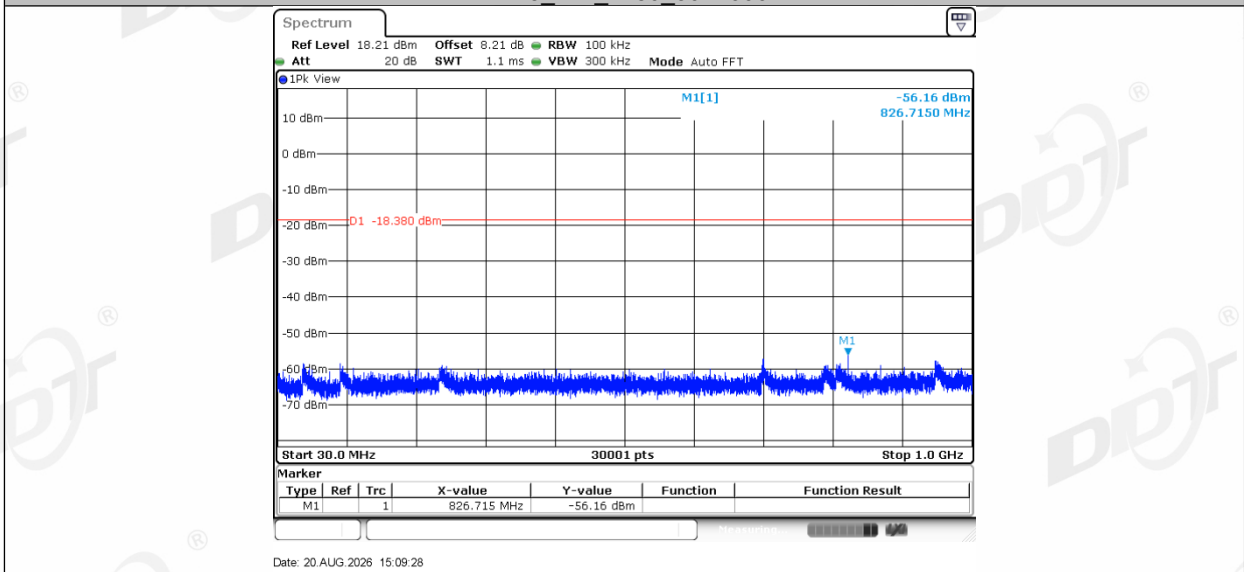
2DH5_Right_2441_1000~26500



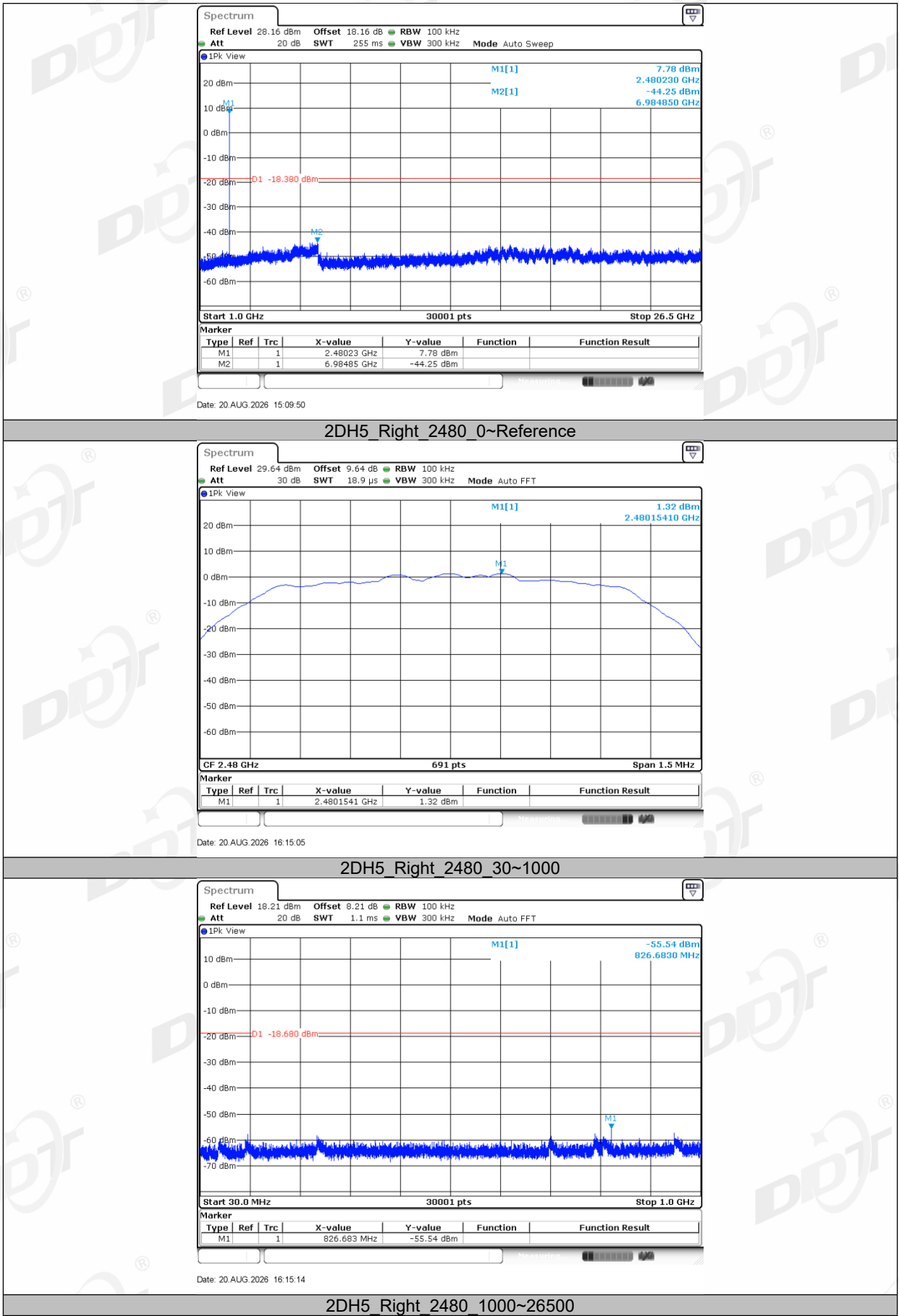
2DH5 Left 2480_0~Reference

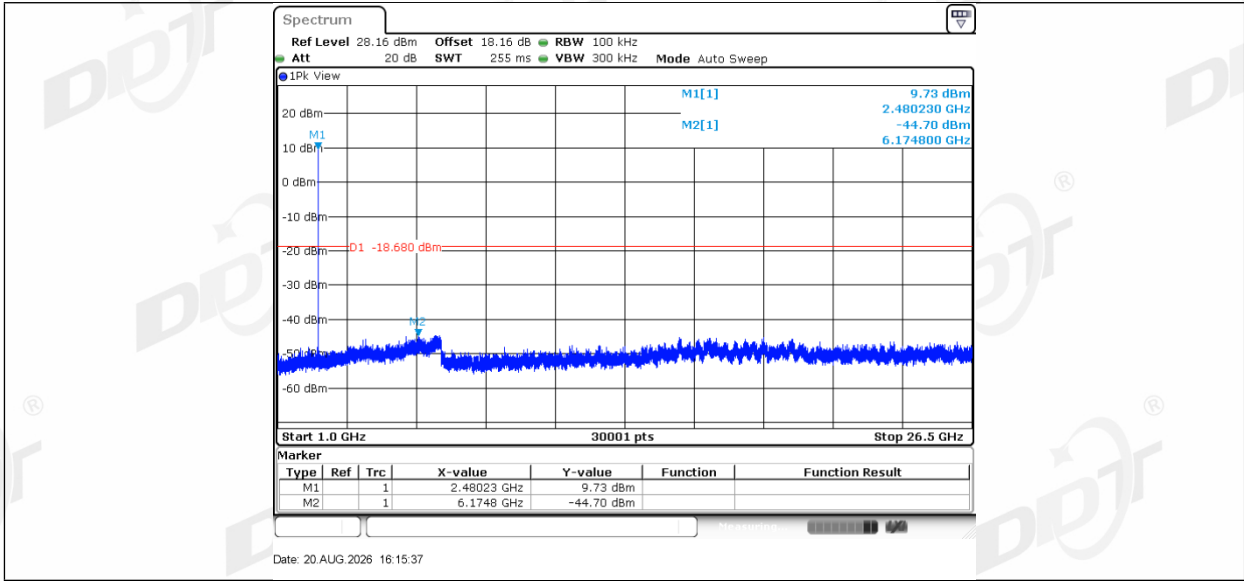


2DH5 Left 2480_30~1000



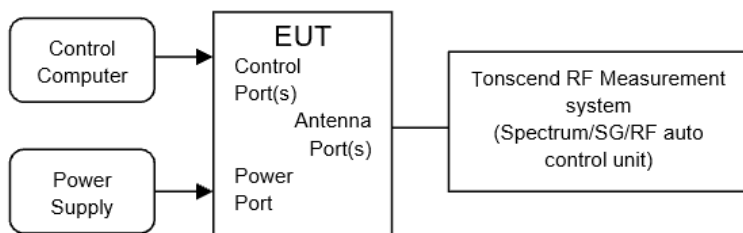
2DH5 Left 2480_1000~26500





12. Duty cycle

12.1. Block diagram of test setup



12.2. Limit

Just for Report.

12.3. 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:
$$\text{Duty cycle} = \text{Pulse's on time} / \text{Burst cycle}$$

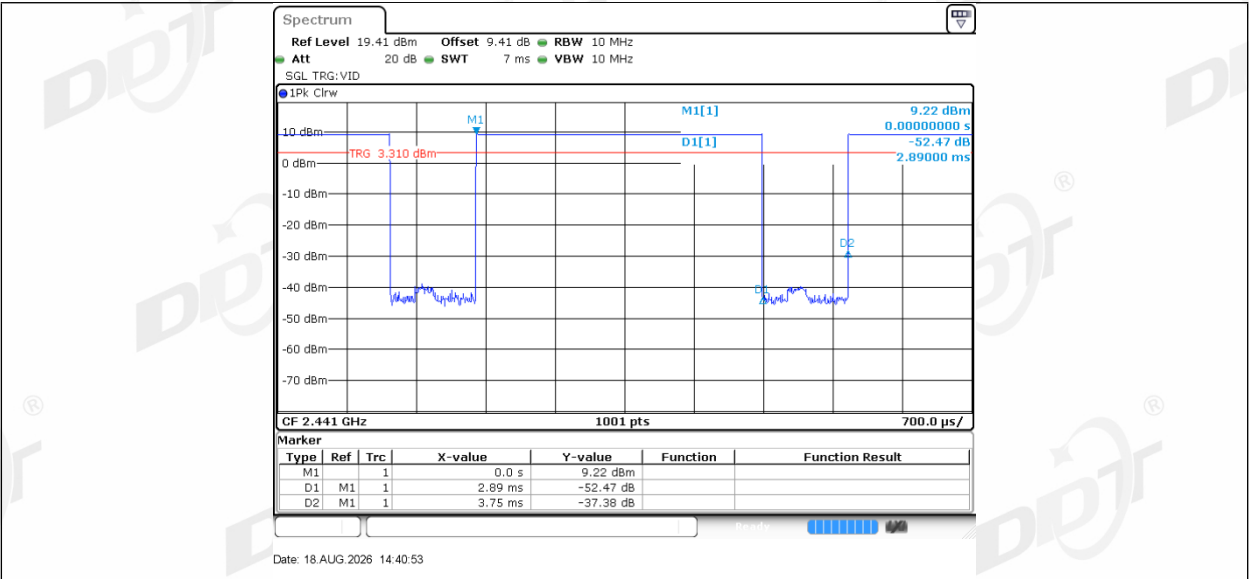
12.4. Test result

Test Engineer:	Zora Zhang	Test Site:	RF Measurement System 3#
Ambient Condition:	24℃,46%RH	Test Date:	2026.8.18-2026.8.20
Test Power Supply:	Battery	Sample Number:	S26081111-004/005

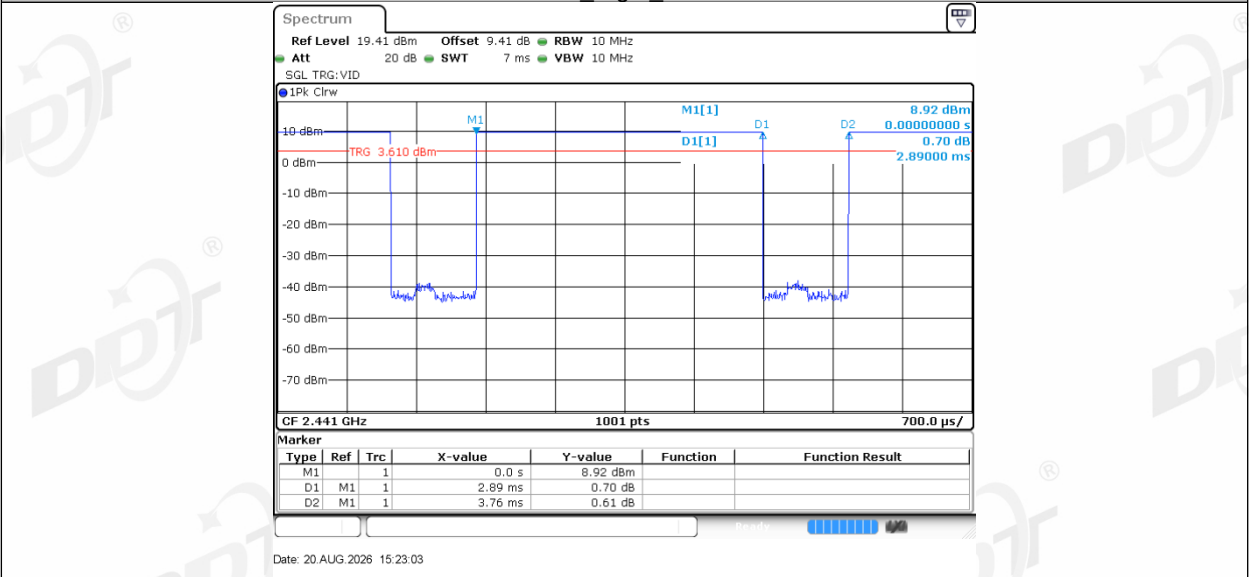
Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Left	2402	2.89	3.75	77.07	1.13
	Right	2402	2.89	3.75	77.07	1.13
	Left	2441	2.89	3.75	77.07	1.13
	Right	2441	2.89	3.76	76.86	1.14
	Left	2480	2.89	3.75	77.07	1.13
	Right	2480	2.89	3.75	77.07	1.13
2DH5	Left	2402	2.89	3.75	77.07	1.13
	Right	2402	2.89	3.75	77.07	1.13
	Left	2441	2.89	3.75	77.07	1.13
	Right	2441	2.89	3.75	77.07	1.13
	Left	2480	2.89	3.75	77.07	1.13
	Right	2480	2.89	3.75	77.07	1.13

12.5. Test graphs

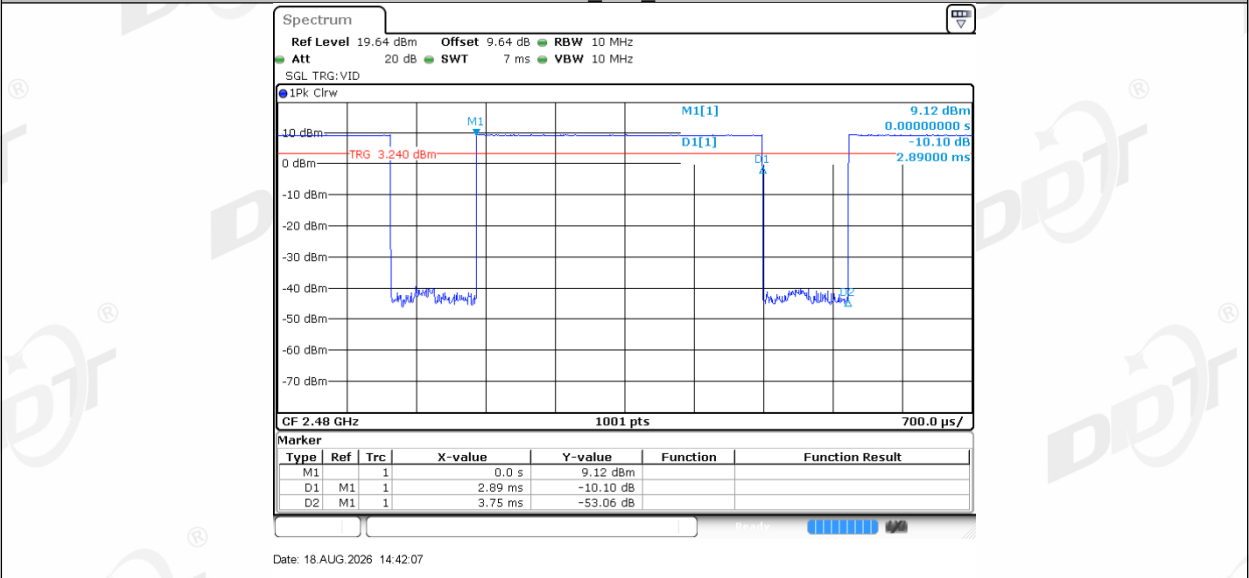




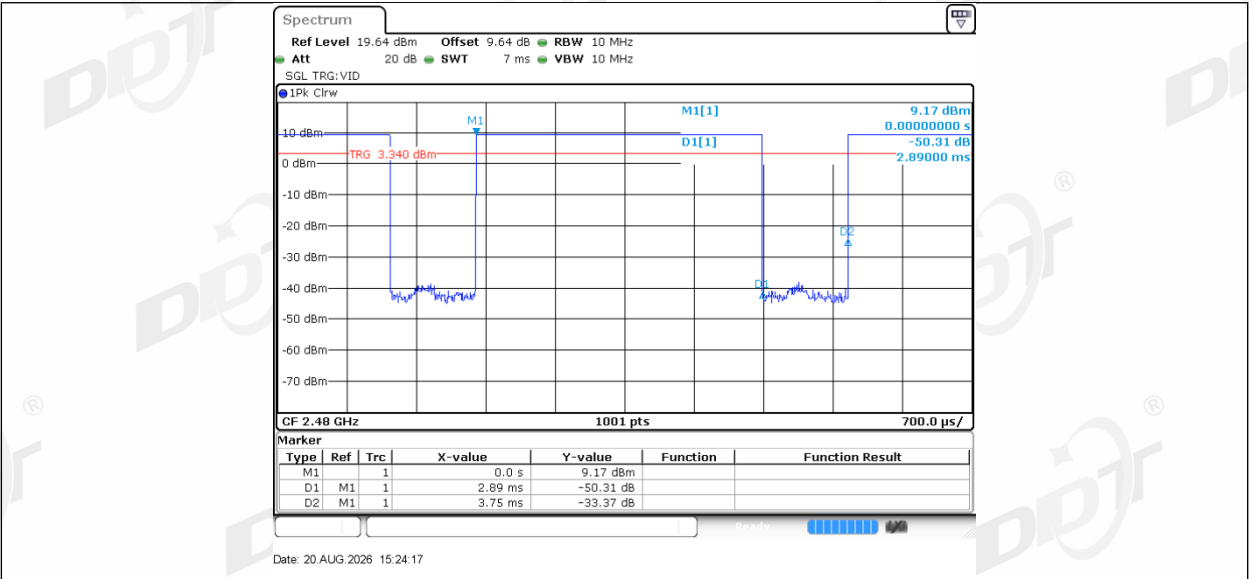
DH5 Right 2441



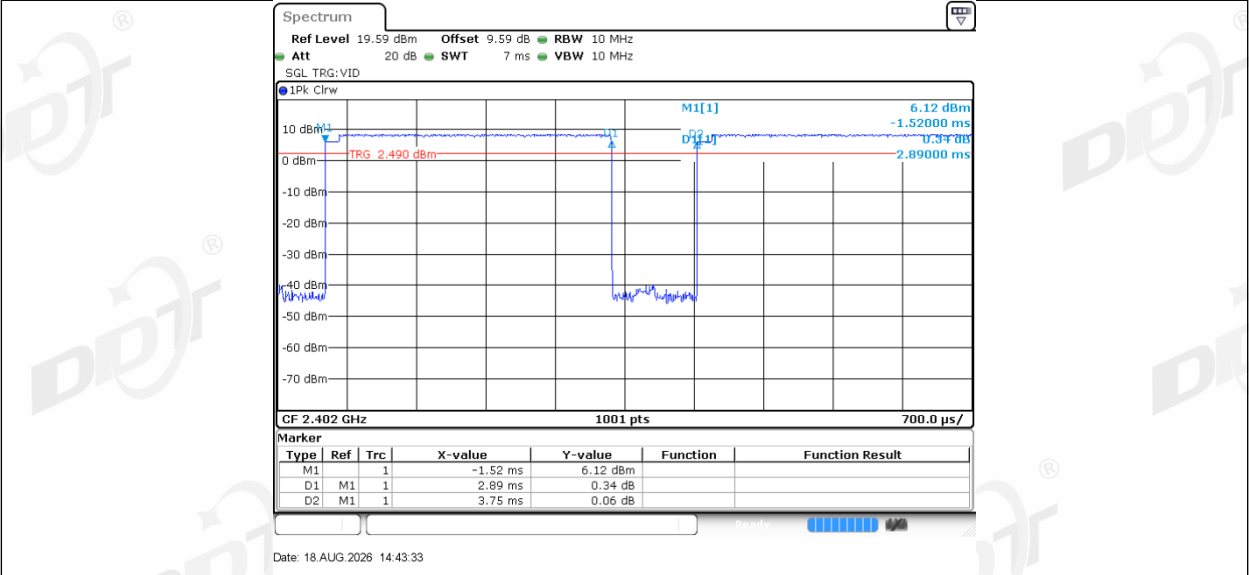
DH5 Left 2480



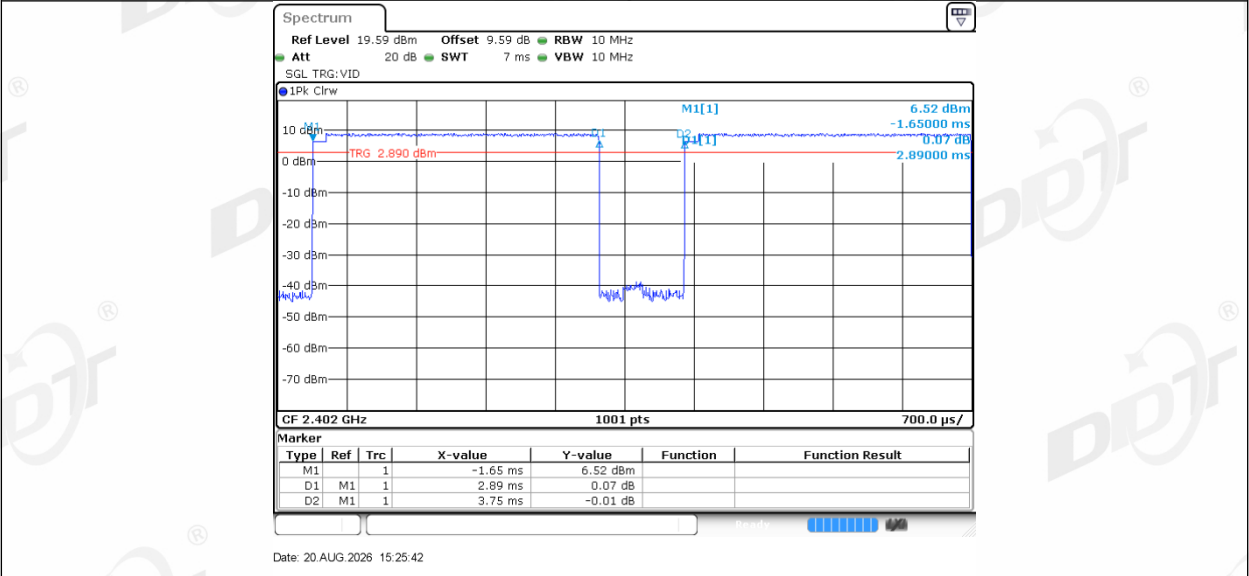
DH5 Right 2480



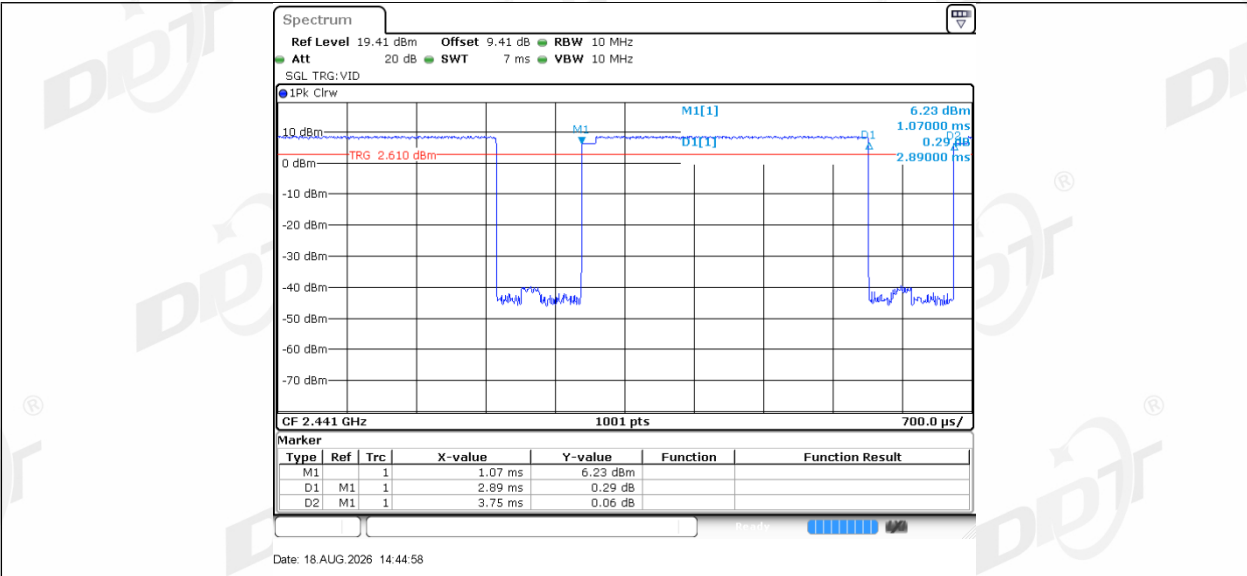
2DH5 Left 2402



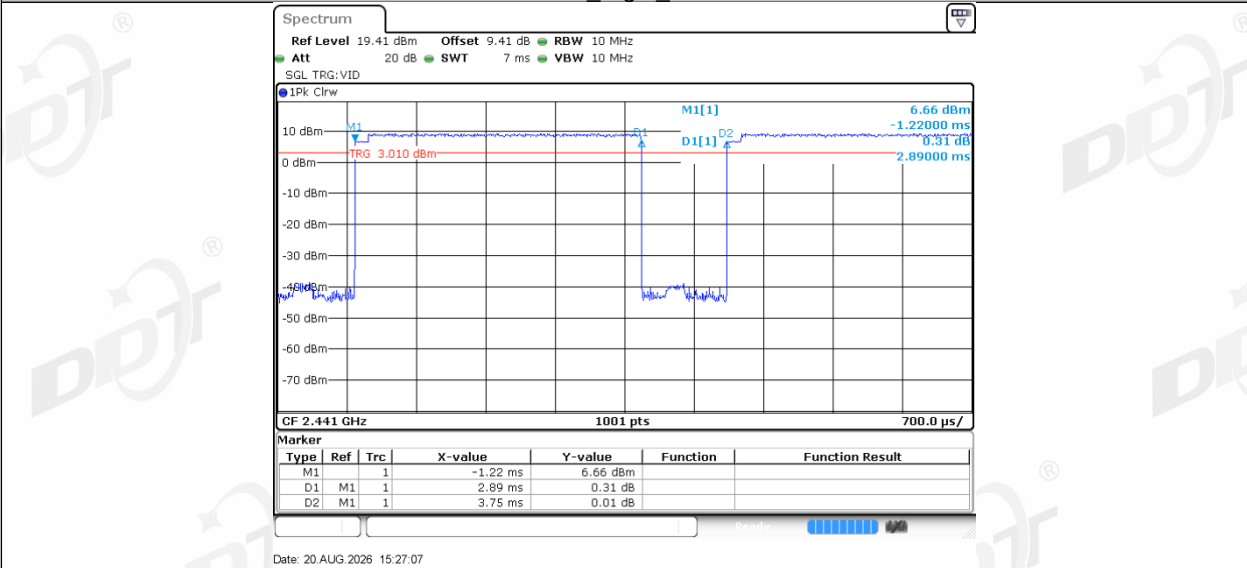
2DH5 Right 2402



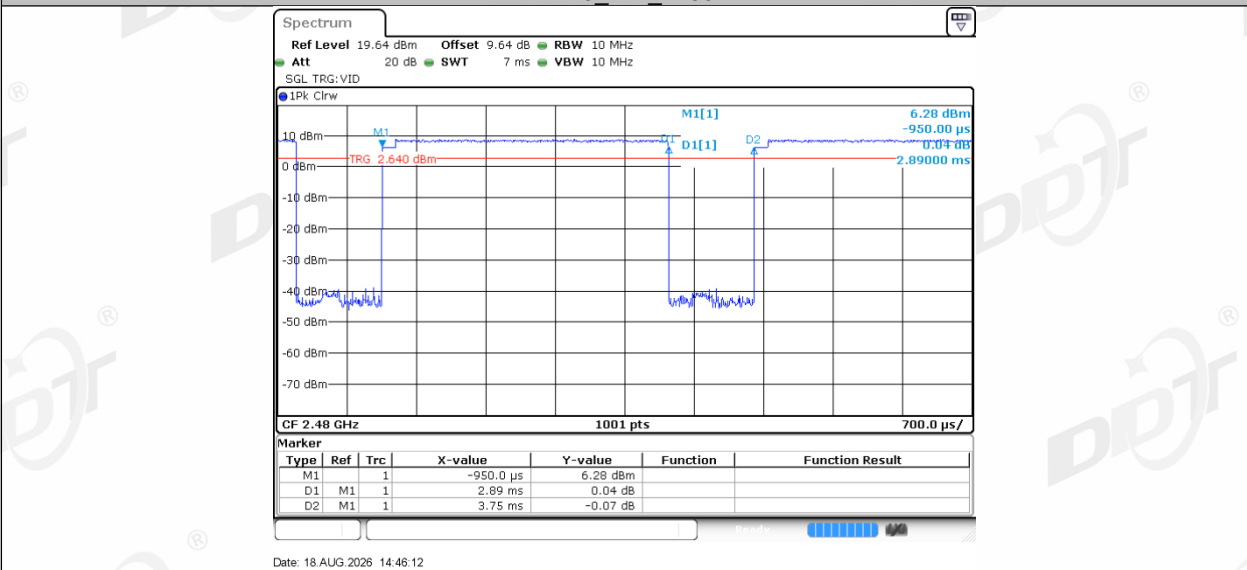
2DH5 Left 2441



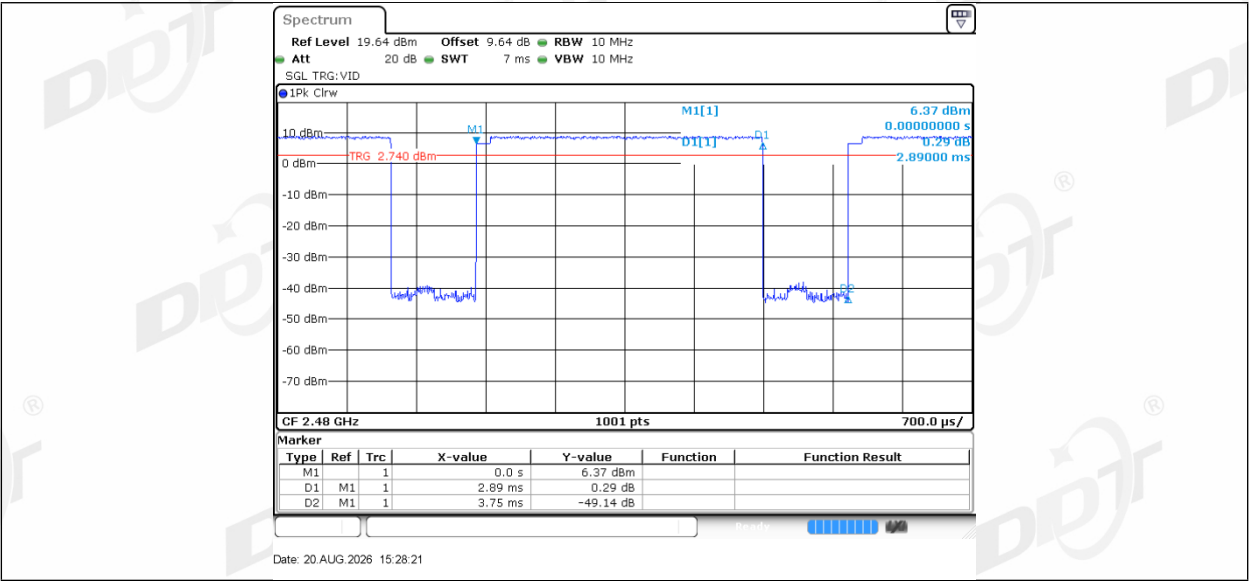
2DH5_Right_2441



2DH5_Left_2480



2DH5_Right_2480



13. Antenna Requirements

13.1. 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.

13.2. 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.

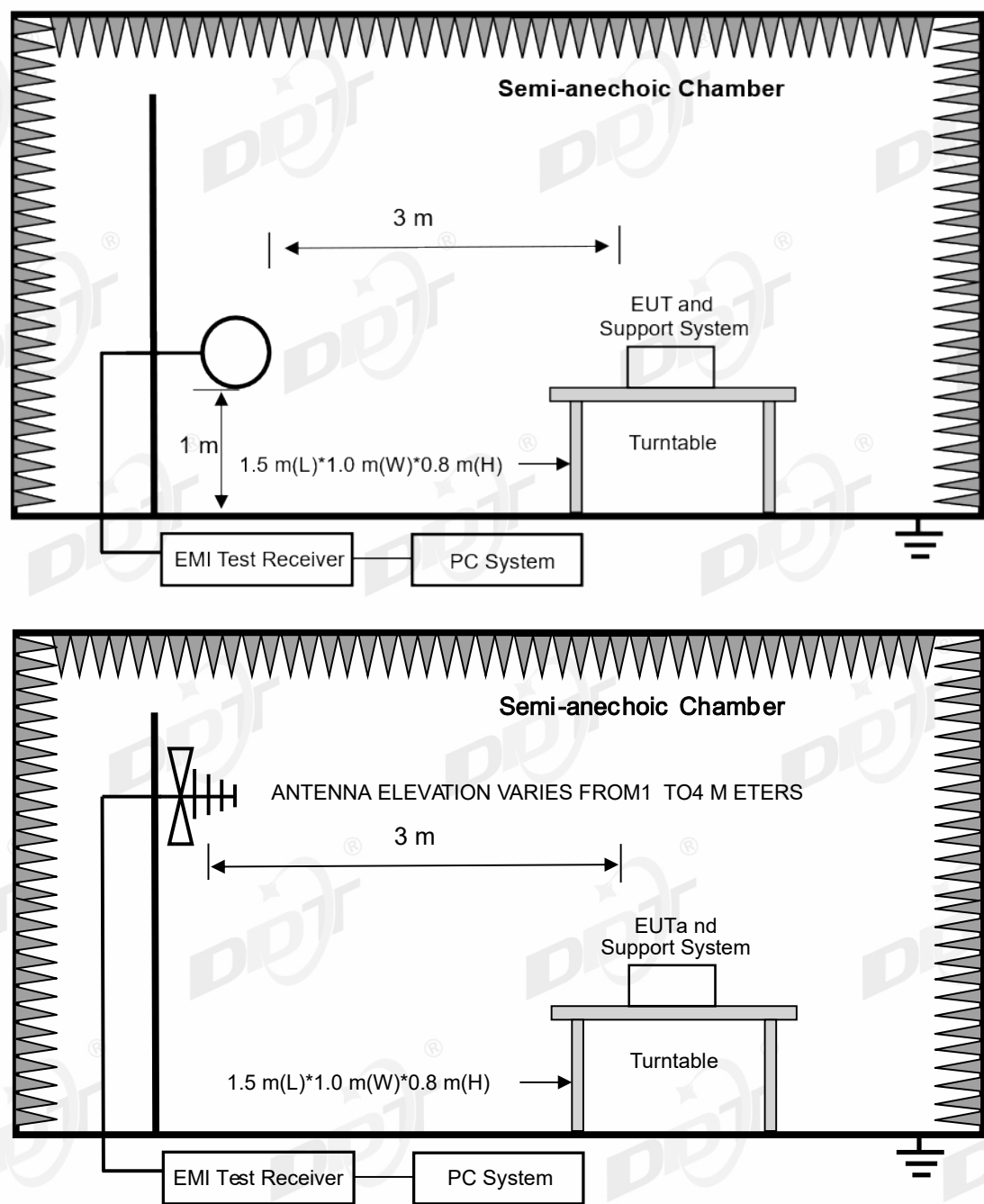
14. Radiated Emission

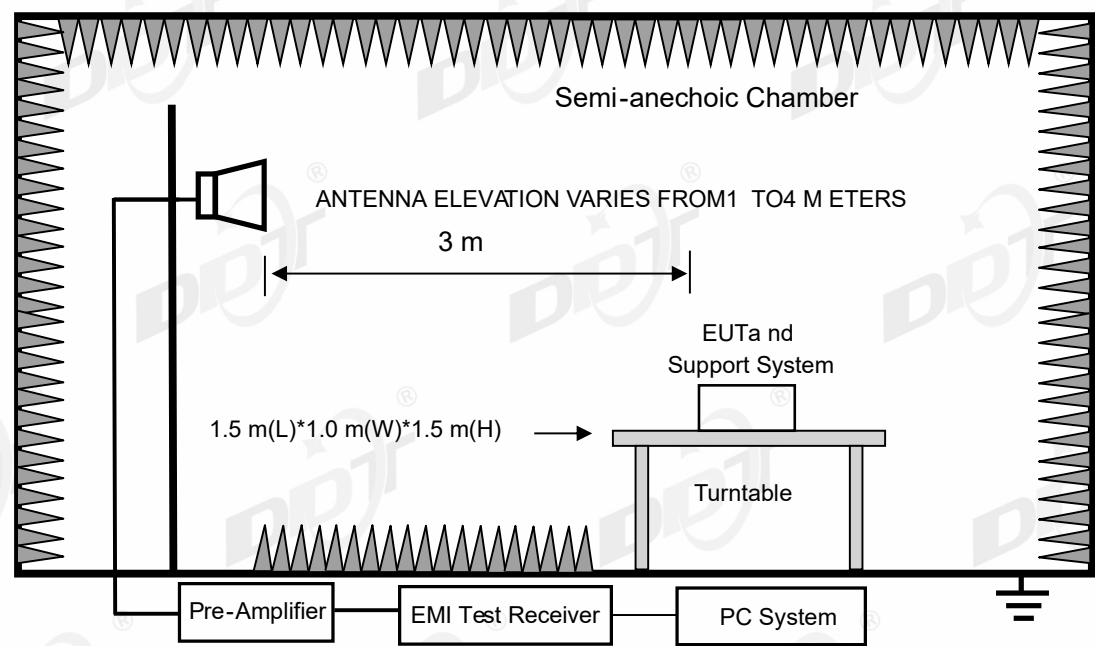
14.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
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	2027/06/25
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2027/03/05
Pre-amplifier	COM-POWER	PAM-118A	DDT-ZC01293	2027/07/08
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 Antenna	Schwarzbeck	VULB 9163	DDT-ZC02050	2027/07/10
Hochgewinn-Hornantenne	SCHWARZBEC K	BBHA 9120 D	DDT-ZC02129	2027/07/10
Active Loop Antenna	Schwarzbeck	FMZB1519	DDT-ZC00524	2027/07/10
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2027/02/27
Band Reject Filter Group	Tonscend	JS0806-F	DDT-ZC05733	/
Hochgewinn-Hornantenne	SCHWARZBEC K	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	2027/07/10
SPECTRUM ANALYZER	R&S	FSU26	DDT-ZC00236	2027/06/25
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	/

14.2. Block diagram of test setup





14.3. 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
10.495-0.505	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 MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		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:

$$\text{Limit}_{3m}(\text{dBuV/m}) = \text{Limit}_{30m}(\text{dBuV/m}) + 40\text{Log}(30\text{m}/3\text{m})$$

(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.

14.4. Assistant equipment used for test

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

14.5. 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 GFSK, $\pi/4$ -DQPSK, the worst case is record and 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.

14.6. Test result

PASS. (See below detailed test result)

14.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-08-19

Tested By:

Zhang Yibo

Test Mode:

TX DH5 Mode

Power Supply:

Battery

Condition:

Temp:20.0°C;Humi:47.6%

Test Site:

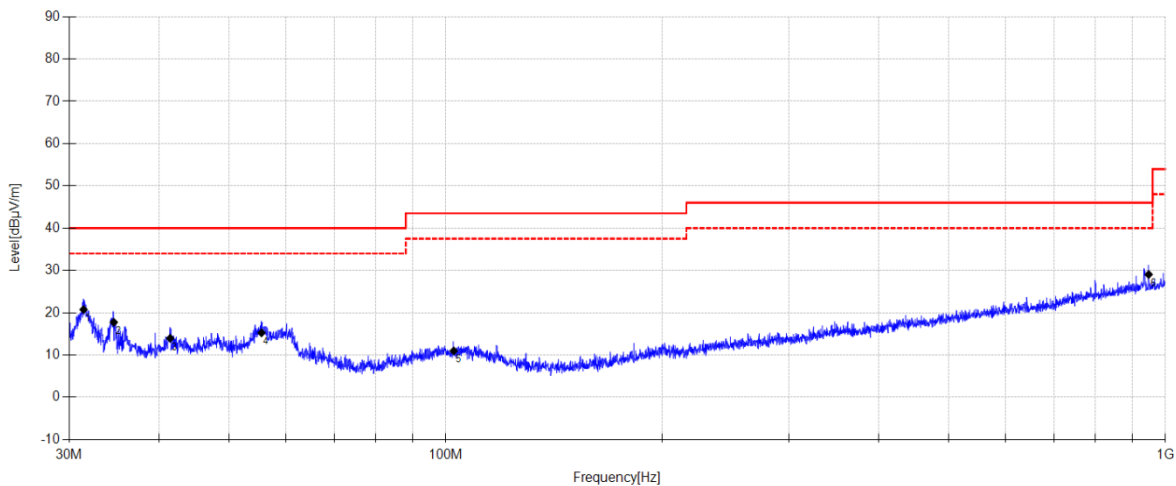
DDT 3# Chamber

File Path:

d:\ts\2026 report data\Q26081111-1E\FCC BELOW 1G\1

Memo:

L Sample Number:S26081111-003



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	31.399	38.67	10.58	3.80	20.75	40.00	19.25	QP	Horizontal
2	34.589	35.21	11.00	3.84	17.75	40.00	22.25	QP	Horizontal
3	41.419	29.14	13.18	3.93	13.95	40.00	26.05	QP	Horizontal
4	55.486	30.48	13.05	4.02	15.25	40.00	24.75	QP	Horizontal
5	102.622	27.29	11.66	4.32	10.97	43.50	32.53	QP	Horizontal
6	948.106	31.4	22.02	7.23	29.04	46.00	16.96	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:

2026-08-19

Tested By:

Zhang Yibo

Test Mode:

TX DH5 Mode

Power Supply:

Battery

Condition:

Temp:20.0°C;Humi:47.6%

Test Site:

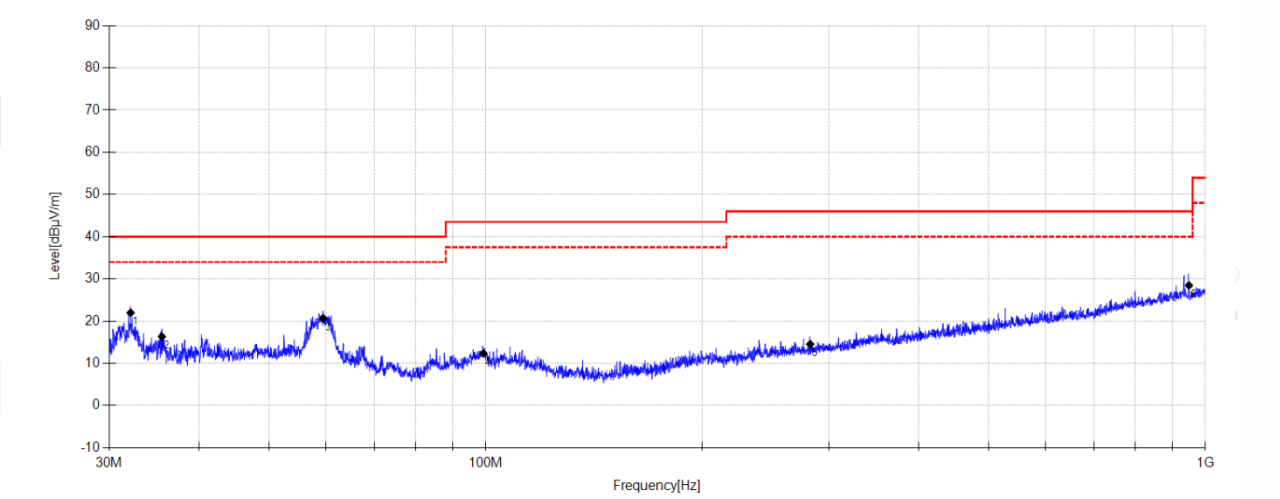
DDT 3# Chamber

File Path:

d:\ts\2026 report data\Q26081111-1E\FCC BELOW 1G\2

Memo:

L Sample Number:S26081111-003



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	32.111	39.78	10.70	3.81	21.99	40.00	18.01	QP	Vertical
2	35.498	33.47	11.30	3.86	16.33	40.00	23.67	QP	Vertical
3	59.474	36.7	12.15	4.06	20.61	40.00	19.39	QP	Vertical
4	99.295	29.06	11.29	4.30	12.35	43.50	31.15	QP	Vertical
5	282.462	28.8	12.95	5.21	14.56	46.00	31.44	QP	Vertical
6	948.771	30.79	22.05	7.23	28.46	46.00	17.54	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:

2026-08-19

Tested By:

Zhang Yibo

Test Mode:

TX DH5 Mode

Power Supply:

Battery

Condition:

Temp:20.0°C;Humi:47.6%

Test Site:

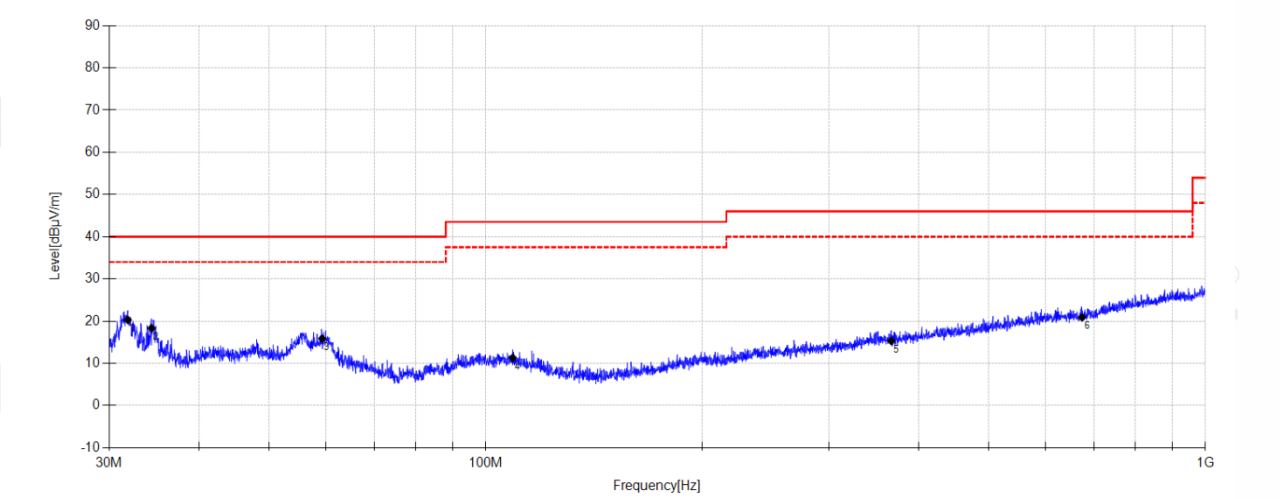
DDT 3# Chamber

File Path:

d:\ts\2026 report data\Q26081111-1E\FCC BELOW 1G\11

Memo:

R Sample Number:S26081111-003



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	31.820	38.14	10.66	3.81	20.31	40.00	19.69	QP	Horizontal
2	34.323	35.8	11.00	3.84	18.34	40.00	21.66	QP	Horizontal
3	59.266	31.99	12.13	4.05	15.87	40.00	24.13	QP	Horizontal
4	109.077	27.79	11.49	4.35	11.32	43.50	32.18	QP	Horizontal
5	366.126	27.56	14.65	5.56	15.30	46.00	30.70	QP	Horizontal
6	674.315	27.99	19.39	6.57	20.91	46.00	25.09	QP	Horizontal

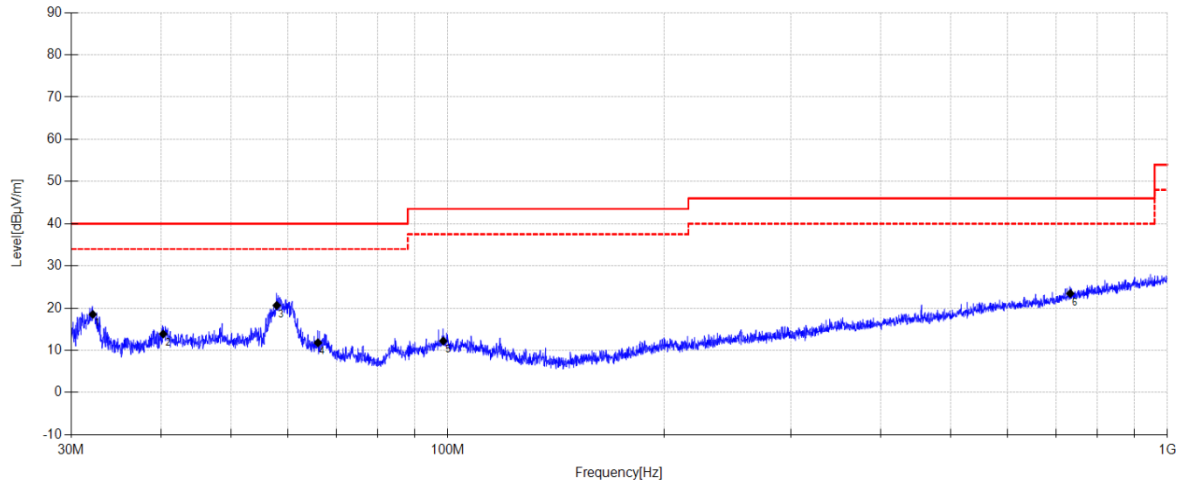
Note:

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: 2026-08-19**Tested By:** Zhang Yibo**Test Mode:** TX DH5 Mode**Power Supply:** Battery**Condition:** Temp:20.0°C;Humi:47.6%**Test Site:** DDT 3# Chamber**File Path:** d:\ts\2026 report data\Q26081111-1E\FCC BELOW 1G\12**Memo:** R Sample Number:S26081111-003**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	32.134	36.3	10.70	3.81	18.51	40.00	21.49	QP	Vertical
2	40.245	29.38	12.87	3.92	13.87	40.00	26.13	QP	Vertical
3	57.870	36.45	12.45	4.04	20.64	40.00	19.36	QP	Vertical
4	66.024	28.88	11.09	4.13	11.80	40.00	28.20	QP	Vertical
5	98.601	29.07	11.16	4.29	12.22	43.50	31.28	QP	Vertical
6	732.993	29.52	20.12	6.73	23.47	46.00	22.53	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:

2026-08-19

Tested By:

Liang Rijing

Test Mode:

TX DH5 2402MHz Mode

Power Supply:

Battery

Condition:

Temp:23.5°C;Humi:49.2%

Test Site:

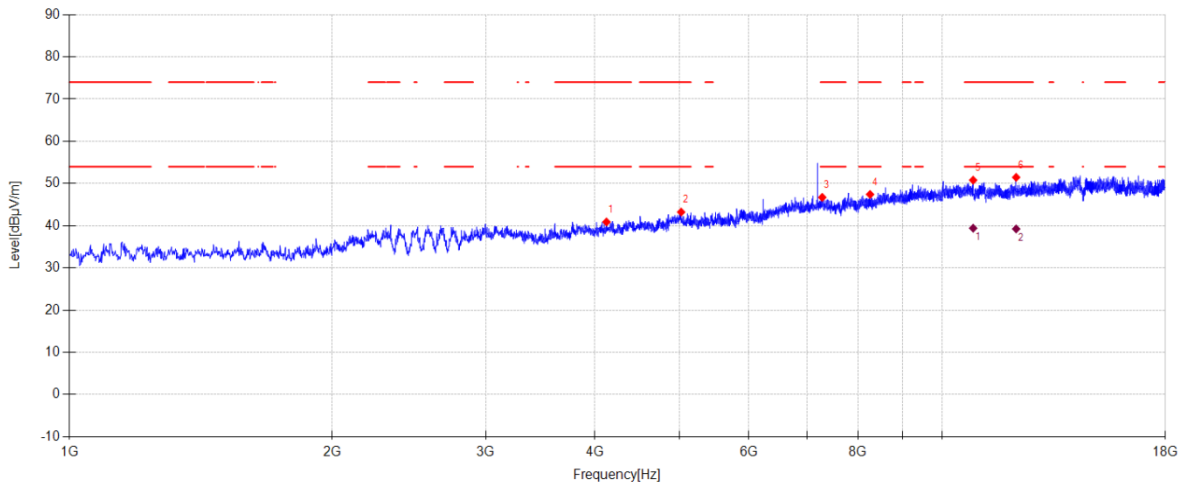
4# Fully Anechoic Room

File Path:

d:\ts\2026 fcc report date\Q26081111-1E\FCC ABOVE 1G BT\1

Memo:

L Sample number:S26081111-003 Power Setting:2



Suspected Data List									
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4122.900	50.10	31.65	-40.86	40.89	74.00	33.11	PK	Horizontal
2	5020.500	50.04	33.94	-40.75	43.23	74.00	30.77	PK	Horizontal
3	7283.200	48.80	37.73	-39.81	46.72	74.00	27.28	PK	Horizontal
4	8262.400	48.61	37.92	-39.11	47.42	74.00	26.58	PK	Horizontal
5	10843.000	46.46	39.96	-35.62	50.80	74.00	23.20	PK	Horizontal
6	12145.200	46.74	39.90	-35.18	51.46	74.00	22.54	PK	Horizontal

Final Data List									
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	10843.000	35.07	39.96	-35.62	39.41	54.00	14.59	AV	Horizontal
2	12145.200	34.52	39.90	-35.18	39.24	54.00	14.76	AV	Horizontal

Note:

- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-08-19

Tested By:

Liang Rijing

Test Mode:

TX DH5 2402MHz Mode

Power Supply:

Battery

Condition:

Temp:23.5°C;Humi:49.2%

Test Site:

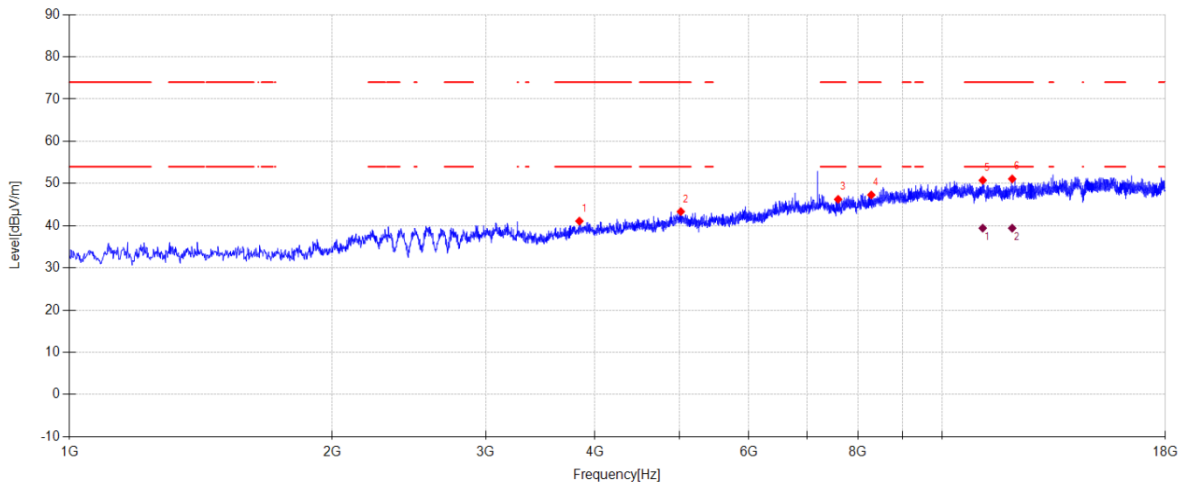
4# Fully Anechoic Room

File Path:

d:\ts\2026 fcc report date\Q26081111-1E\FCC ABOVE 1G BT\2

Memo:

L Sample number:S26081111-003 Power Setting:2



Suspected Data List									
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3839.000	50.59	31.43	-40.93	41.09	74.00	32.91	PK	Vertical
2	5015.400	50.12	33.93	-40.72	43.33	74.00	30.67	PK	Vertical
3	7594.300	48.90	37.19	-39.83	46.26	74.00	27.74	PK	Vertical
4	8289.600	48.41	37.98	-39.10	47.29	74.00	26.71	PK	Vertical
5	11120.100	46.18	39.74	-35.16	50.76	74.00	23.24	PK	Vertical
6	12019.400	45.98	39.82	-34.71	51.09	74.00	22.91	PK	Vertical

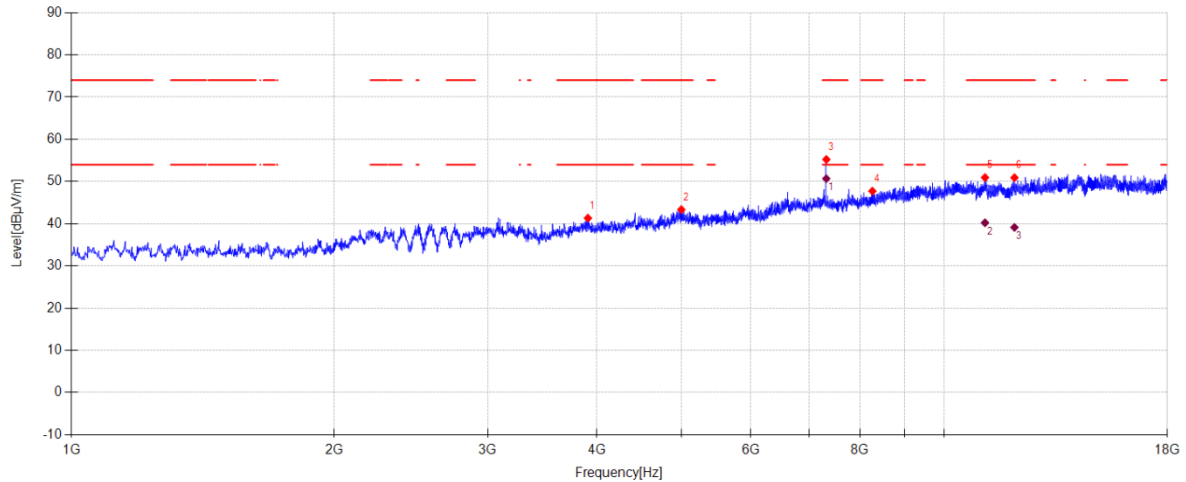
Final Data List									
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	11120.100	34.85	39.74	-35.16	39.43	54.00	14.57	AV	Vertical
2	12019.400	34.31	39.82	-34.71	39.42	54.00	14.58	AV	Vertical

Note:

- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-08-19 **Tested By:** Liang Rijing
Test Mode: TX DH5 2441MHz Mode **Power Supply:** Battery
Condition: Temp:23.5°C;Humi:49.2% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 fcc report date\Q26081111-1E\FCC ABOVE 1G BT\3
Memo: L Sample number:S26081111-003 Power Setting:2

**Suspected Data List**

NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3905.300	50.54	31.61	-40.83	41.32	74.00	32.68	PK	Horizontal
2	4996.700	50.10	33.89	-40.65	43.34	74.00	30.66	PK	Horizontal
3	7324.000	57.35	37.56	-39.68	55.23	74.00	18.77	PK	Horizontal
4	8269.200	48.89	37.94	-39.11	47.72	74.00	26.28	PK	Horizontal
5	11128.600	46.36	39.76	-35.18	50.94	74.00	23.06	PK	Horizontal
6	12027.900	45.81	39.83	-34.73	50.91	74.00	23.09	PK	Horizontal

Final Data List

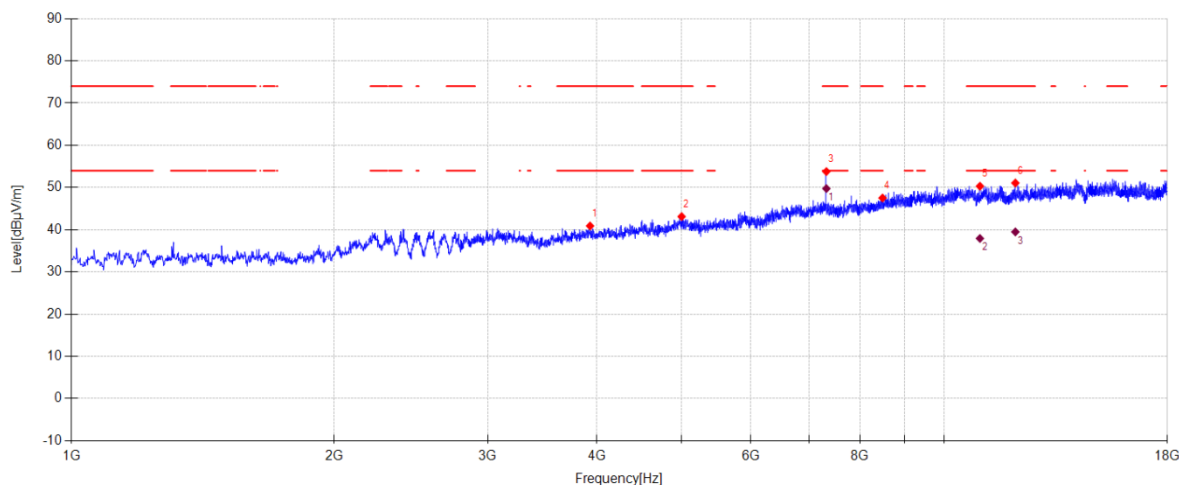
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	7322.902	52.79	37.56	-39.68	50.67	54.00	3.33	AV	Horizontal
2	11128.600	35.64	39.76	-35.18	40.22	54.00	13.78	AV	Horizontal
3	12027.900	34.03	39.83	-34.73	39.13	54.00	14.87	AV	Horizontal

Note:

1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-08-19 **Tested By:** Liang Rijing
Test Mode: TX DH5 2441MHz Mode **Power Supply:** Battery
Condition: Temp:23.5°C;Humi:49.2% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 fcc report date\Q26081111-1E\FCC ABOVE 1G BT4
Memo: L Sample number:S26081111-003 Power Setting:2

**Suspected Data List**

NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3927.400	50.22	31.65	-40.98	40.89	74.00	33.11	PK	Vertical
2	5000.100	49.84	33.90	-40.63	43.11	74.00	30.89	PK	Vertical
3	7324.000	55.90	37.56	-39.68	53.78	74.00	20.22	PK	Vertical
4	8493.600	48.02	38.30	-38.80	47.52	74.00	26.48	PK	Vertical
5	10980.700	46.46	39.74	-35.89	50.31	74.00	23.69	PK	Vertical
6	12056.800	46.01	39.86	-34.80	51.07	74.00	22.93	PK	Vertical

Final Data List

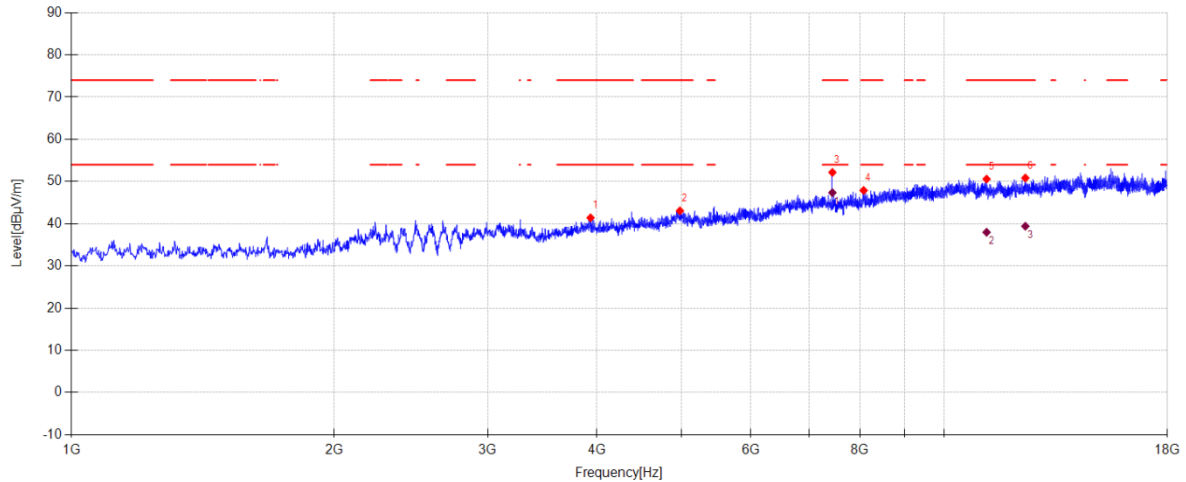
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	7324.000	51.87	37.56	-39.68	49.75	54.00	4.25	AV	Vertical
2	10980.700	34.08	39.74	-35.89	37.93	54.00	16.07	AV	Vertical
3	12056.800	34.42	39.86	-34.80	39.48	54.00	14.52	AV	Vertical

Note:

1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-08-19 **Tested By:** Liang Rijing
Test Mode: TX DH5 2480MHz Mode **Power Supply:** Battery
Condition: Temp:23.5°C;Humi:49.2% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 fcc report date\Q26081111-1E\FCC ABOVE 1G BT\5
Memo: L Sample number:S26081111-003 Power Setting:2

**Suspected Data List**

NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3932.500	50.74	31.67	-41.01	41.40	74.00	32.60	PK	Horizontal
2	4978.000	50.01	33.81	-40.77	43.05	74.00	30.95	PK	Horizontal
3	7441.300	54.89	37.12	-39.85	52.16	74.00	21.84	PK	Horizontal
4	8080.500	49.27	37.90	-39.29	47.88	74.00	26.12	PK	Horizontal
5	11176.200	46.03	39.85	-35.30	50.58	74.00	23.42	PK	Horizontal
6	12378.100	45.84	39.72	-34.72	50.84	74.00	23.16	PK	Horizontal

Final Data List

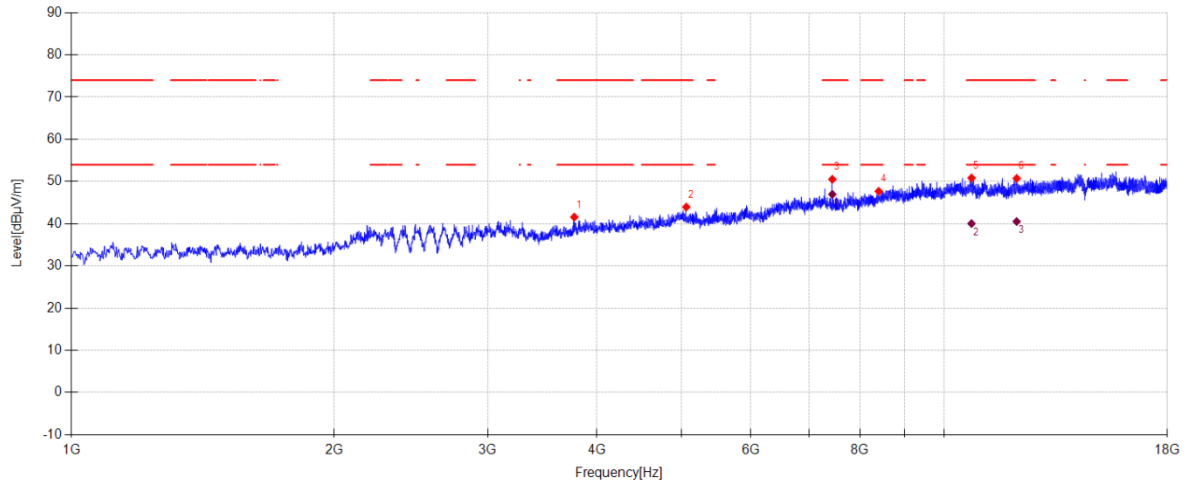
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	7441.300	50.09	37.12	-39.85	47.36	54.00	6.64	AV	Horizontal
2	11176.200	33.43	39.85	-35.30	37.98	54.00	16.02	AV	Horizontal
3	12378.100	34.41	39.72	-34.72	39.41	54.00	14.59	AV	Horizontal

Note:

1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-08-19 **Tested By:** Liang Rijing
Test Mode: TX DH5 2480MHz Mode **Power Supply:** Battery
Condition: Temp:23.5°C;Humi:49.2% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 fcc report date\Q26081111-1E\FCC ABOVE 1G BT\6
Memo: L Sample number:S26081111-003 Power Setting:2

**Suspected Data List**

NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3767.600	51.71	31.01	-41.15	41.57	74.00	32.43	PK	Vertical
2	5061.300	50.94	34.00	-40.99	43.95	74.00	30.05	PK	Vertical
3	7439.600	53.25	37.12	-39.84	50.53	74.00	23.47	PK	Vertical
4	8408.600	48.54	38.13	-38.99	47.68	74.00	26.32	PK	Vertical
5	10739.300	46.42	40.00	-35.59	50.83	74.00	23.17	PK	Vertical
6	12097.600	45.73	39.90	-34.89	50.74	74.00	23.26	PK	Vertical

Final Data List

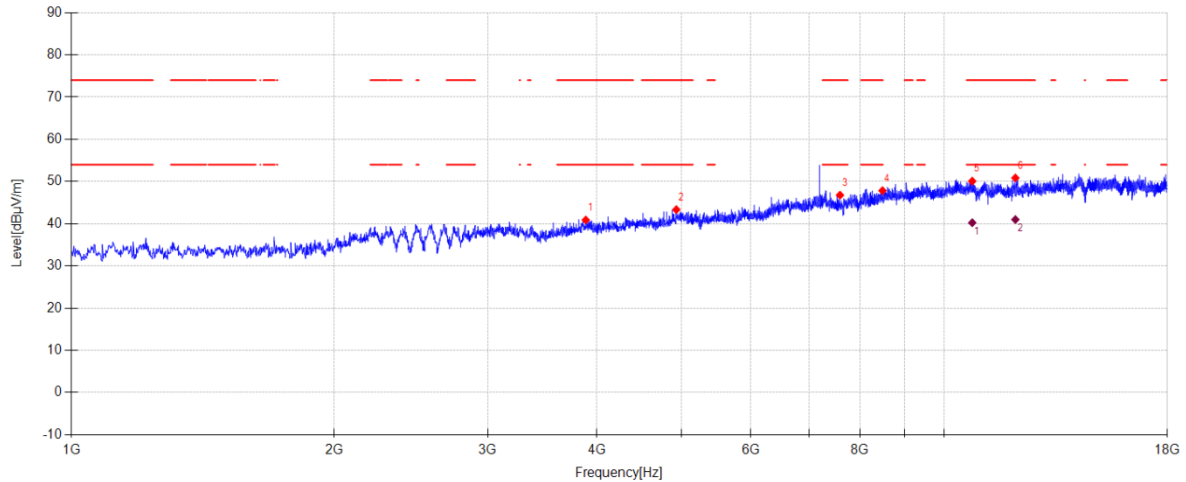
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	7439.600	49.68	37.12	-39.84	46.96	54.00	7.04	AV	Vertical
2	10739.300	35.62	40.00	-35.59	40.03	54.00	13.97	AV	Vertical
3	12097.600	35.51	39.90	-34.89	40.52	54.00	13.48	AV	Vertical

Note:

1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-08-19 **Tested By:** Liang Rijing
Test Mode: TX DH5 2402MHz Mode **Power Supply:** Battery
Condition: Temp:23.5°C;Humi:49.2% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 fcc report date\Q26081111-1E\FCC ABOVE 1G BT\25
Memo: R Sample number:S26081111-003 Power Setting:2

**Suspected Data List**

NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3883.200	50.16	31.57	-40.84	40.89	74.00	33.11	PK	Horizontal
2	4930.400	50.78	33.62	-41.07	43.33	74.00	30.67	PK	Horizontal
3	7592.600	49.41	37.19	-39.83	46.77	74.00	27.23	PK	Horizontal
4	8491.900	48.34	38.30	-38.81	47.83	74.00	26.17	PK	Horizontal
5	10761.400	45.58	40.00	-35.50	50.08	74.00	23.92	PK	Horizontal
6	12056.800	45.79	39.86	-34.80	50.85	74.00	23.15	PK	Horizontal

Final Data List

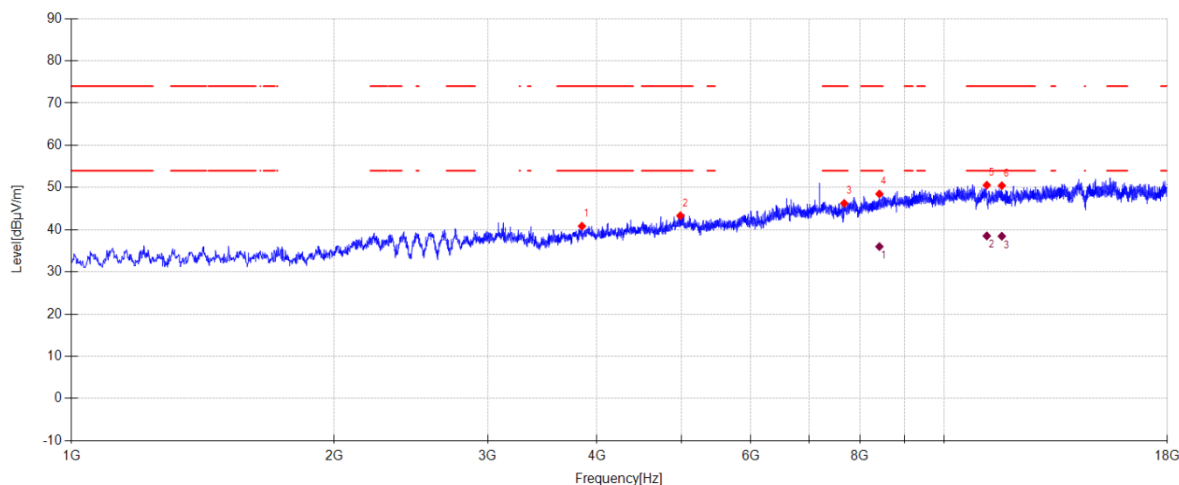
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	10761.400	35.74	40.00	-35.50	40.24	54.00	13.76	AV	Horizontal
2	12056.800	35.93	39.86	-34.80	40.99	54.00	13.01	AV	Horizontal

Note:

1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-08-19 **Tested By:** Liang Rijing
Test Mode: TX DH5 2402MHz Mode **Power Supply:** Battery
Condition: Temp:23.5°C;Humi:49.2% **Test Site:** 4# Fully Anechoic Room
File Path: d:\ts\2026 fcc report date\Q26081111-1E\FCC ABOVE 1G BT\26
Memo: R Sample number:S26081111-003 Power Setting:2



Suspected Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3844.100	50.30	31.46	-40.92	40.84	74.00	33.16	PK	Vertical
2	4983.100	50.21	33.83	-40.74	43.30	74.00	30.70	PK	Vertical
3	7677.600	48.71	37.30	-39.77	46.24	74.00	27.76	PK	Vertical
4	8423.900	49.23	38.20	-38.96	48.47	74.00	25.53	PK	Vertical
5	11181.300	46.01	39.86	-35.31	50.56	74.00	23.44	PK	Vertical
6	11633.500	46.16	39.57	-35.30	50.43	74.00	23.57	PK	Vertical

Final Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	8423.900	36.76	38.20	-38.96	36.00	54.00	18.00	AV	Vertical
2	11181.300	33.99	39.86	-35.31	38.54	54.00	15.46	AV	Vertical
3	11633.500	34.19	39.57	-35.30	38.46	54.00	15.54	AV	Vertical

Note:

1. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
2. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.