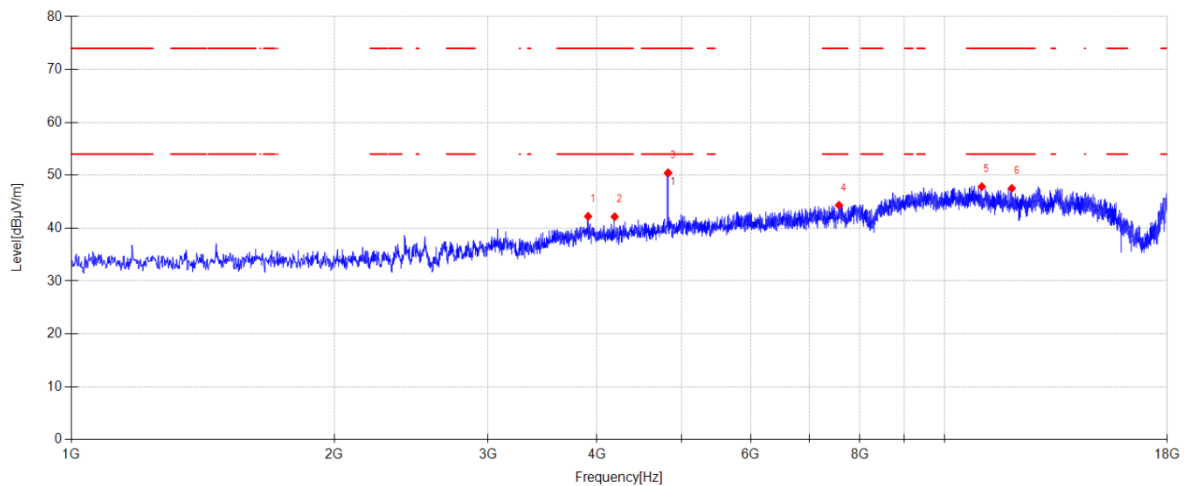


TR-4-E-009 Radiated Emission Test Result

Test Date: 2025-09-01 **Tested By:** Nan Zhong
EUT: Meter **Model Number:** 5HY1-41
Test Mode: TX 11B ANT1 2412MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.8°C;Humi:57.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25072135\FCC ABOVE1G 2.4G\20
Memo: Number:S25072135-002 Power setting:12



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3907.000	47.26	31.19	3.44	-39.66	42.23	74.00	31.77	PK	Vertical
2	4190.900	47.05	31.20	3.57	-39.66	42.16	74.00	31.84	PK	Vertical
3	4825.000	53.02	33.15	3.92	-39.61	50.48	74.00	23.52	PK	Vertical
4	7572.200	43.47	36.44	4.92	-40.49	44.34	74.00	29.66	PK	Vertical
5	11035.100	41.44	39.30	6.16	-39.04	47.86	74.00	26.14	PK	Vertical
6	11942.900	42.16	39.03	6.28	-39.94	47.53	74.00	26.47	PK	Vertical

Final Data List

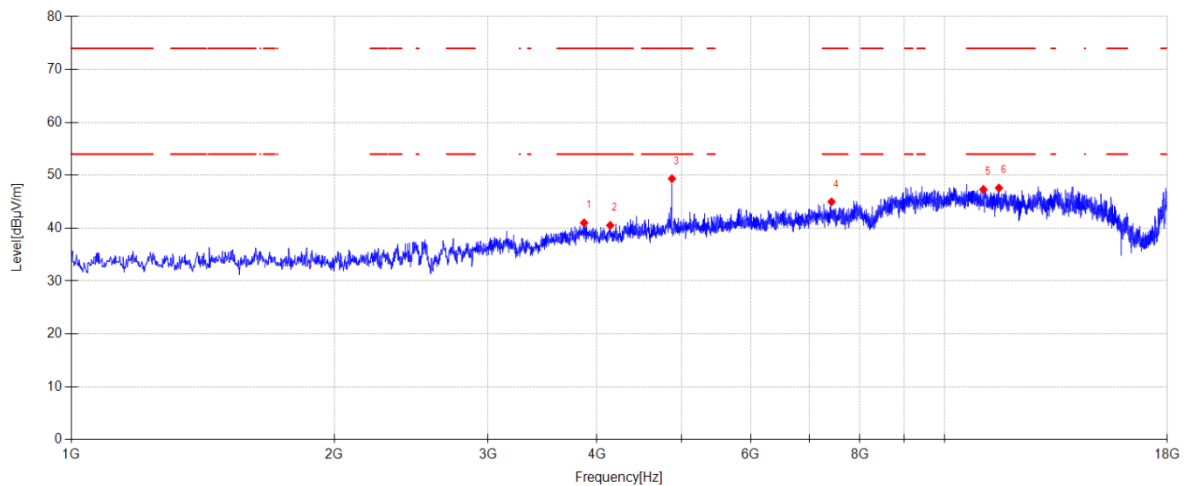
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4824.010	52.94	33.15	3.92	50.40	54.00	3.60	AV	Vertical

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: 2025-09-01 **Tested By:** Nan Zhong
EUT: Meter **Model Number:** 5HY1-41
Test Mode: TX 11B ANT1 2437MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.8°C;Humi:57.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25072135\FCC ABOVE1G 2.4G\21
Memo: Number:S25072135-002 Power setting:12

**Suspected Data List**

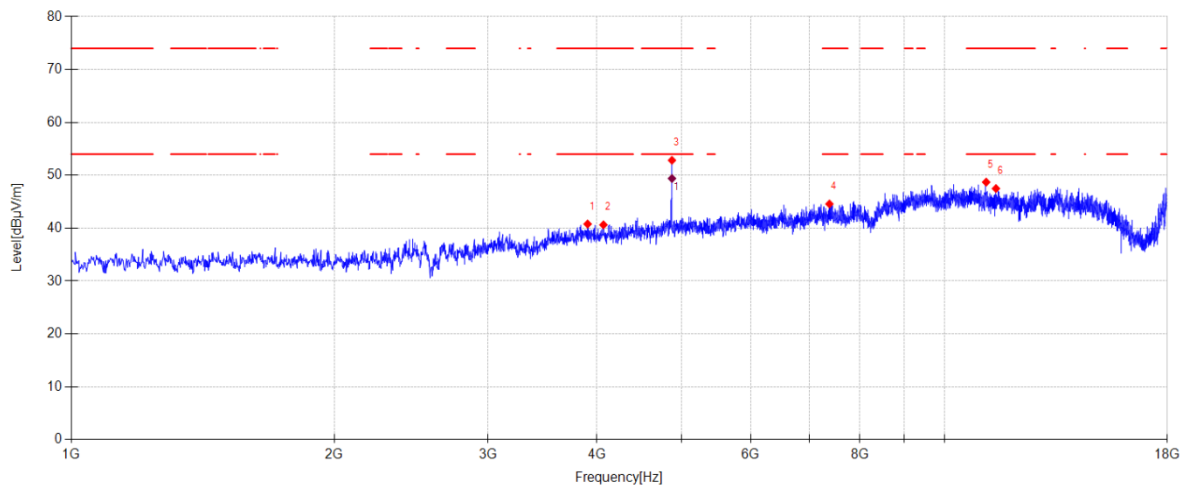
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3866.200	46.23	31.00	3.43	-39.65	41.01	74.00	32.99	PK	Horizontal
2	4141.600	45.47	31.18	3.55	-39.67	40.53	74.00	33.47	PK	Horizontal
3	4874.300	51.62	33.41	3.95	-39.61	49.37	74.00	24.63	PK	Horizontal
4	7424.300	44.08	36.65	4.88	-40.62	44.99	74.00	29.01	PK	Horizontal
5	11082.700	40.94	39.30	6.17	-39.08	47.33	74.00	26.67	PK	Horizontal
6	11546.800	41.81	39.11	6.23	-39.55	47.60	74.00	26.40	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: 2025-09-01 **Tested By:** Nan Zhong
EUT: Meter **Model Number:** 5HY1-41
Test Mode: TX 11B ANT1 2437MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.8°C;Humi:57.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25072135\FCC ABOVE1G 2.4G\22
Memo: Number:S25072135-002 Power setting:12



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3901.900	45.80	31.20	3.44	-39.66	40.78	74.00	33.22	PK	Vertical
2	4068.500	45.75	31.04	3.51	-39.67	40.63	74.00	33.37	PK	Vertical
3	4874.300	55.09	33.41	3.95	-39.61	52.84	74.00	21.16	PK	Vertical
4	7383.500	43.63	36.73	4.87	-40.65	44.58	74.00	29.42	PK	Vertical
5	11162.600	42.45	39.24	6.18	-39.16	48.71	74.00	25.29	PK	Vertical
6	11455.000	41.49	39.25	6.22	-39.46	47.50	74.00	26.50	PK	Vertical

Final Data List

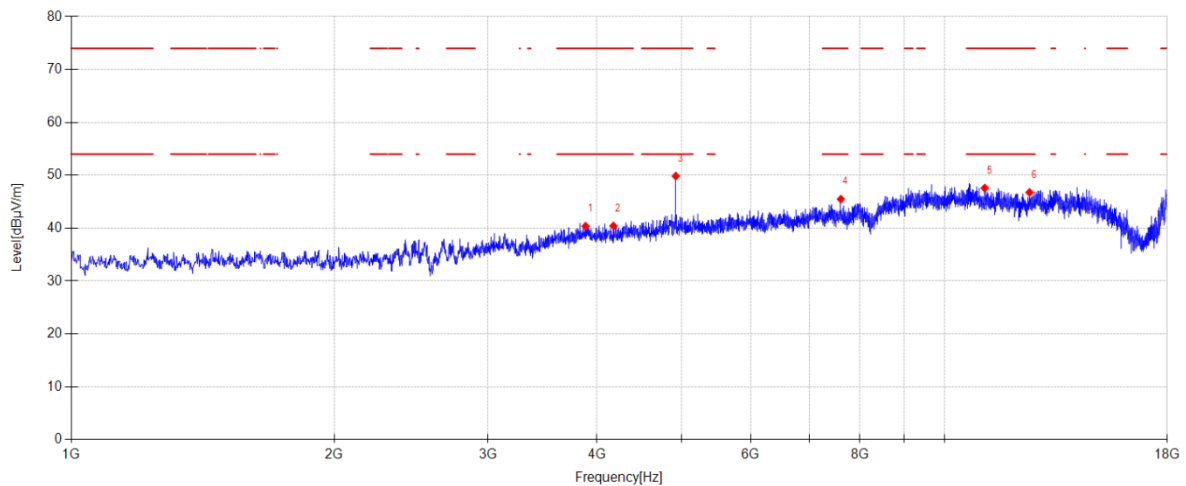
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4874.020	51.65	33.41	3.95	49.40	54.00	4.60	AV	Vertical

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: 2025-09-01 **Tested By:** Nan Zhong
EUT: Meter **Model Number:** 5HY1-41
Test Mode: TX 11B ANT1 2462MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.8°C;Humi:57.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25072135\FCC ABOVE1G 2.4G\23
Memo: Number:S25072135-002 Power setting:12

**Suspected Data List**

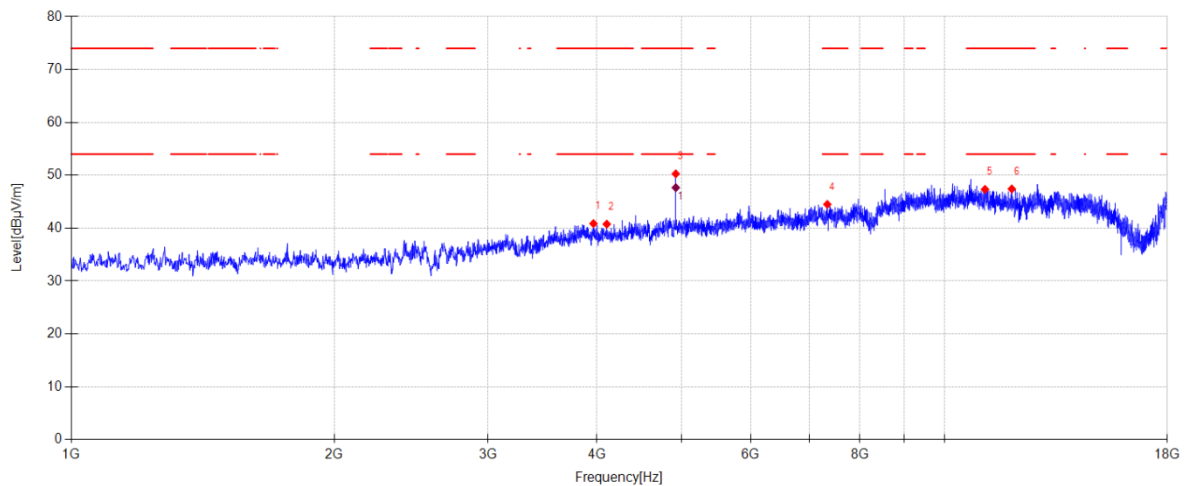
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3881.500	45.50	31.09	3.43	-39.65	40.37	74.00	33.63	PK	Horizontal
2	4177.300	45.31	31.20	3.57	-39.67	40.41	74.00	33.59	PK	Horizontal
3	4923.600	52.44	33.05	3.98	-39.61	49.86	74.00	24.14	PK	Horizontal
4	7609.600	44.49	36.52	4.93	-40.45	45.49	74.00	28.51	PK	Horizontal
5	11121.800	41.25	39.28	6.18	-39.12	47.59	74.00	26.41	PK	Horizontal
6	12517.500	41.14	39.40	6.12	-39.90	46.76	74.00	27.24	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: 2025-09-01 **Tested By:** Nan Zhong
EUT: Meter **Model Number:** 5HY1-41
Test Mode: TX 11B ANT1 2462MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.8°C;Humi:57.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25072135\FCC ABOVE1G 2.4G\24
Memo: Number:S25072135-002 Power setting:12

**Suspected Data List**

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3963.100	46.02	31.05	3.46	-39.67	40.86	74.00	33.14	PK	Vertical
2	4104.200	45.79	31.11	3.53	-39.67	40.76	74.00	33.24	PK	Vertical
3	4923.600	52.86	33.05	3.98	-39.61	50.28	74.00	23.72	PK	Vertical
4	7342.700	43.52	36.81	4.86	-40.69	44.50	74.00	29.50	PK	Vertical
5	11128.600	41.02	39.27	6.18	-39.13	47.34	74.00	26.66	PK	Vertical
6	11944.600	42.05	39.03	6.28	-39.94	47.42	74.00	26.58	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	4924.015	50.24	33.05	3.98	47.66	54.00	6.34	AV	Vertical

Note:

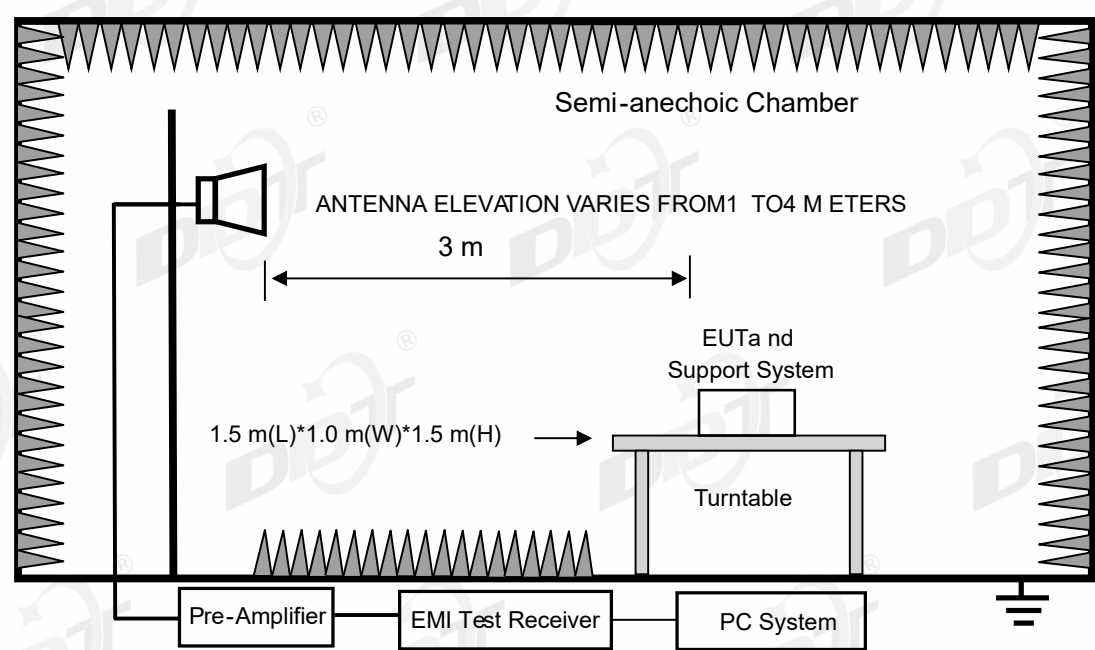
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

13. Band Edge Compliance

13.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To	Cal. Interval
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/	/
RF Cable	N/A	W24.02 HL-562	DDT-ZC04022	2026/03/28	1 Year
RF cable	Yuhu Technology	JCTB810-NJ-NJ-9M	DDT-ZC02538	2026/03/28	1 Year
RF cable	Zhongke Junchuang	JCT26S-NJ-NJ-1.5M	DDT-ZC02762	2026/03/28	1 Year
RF cable	Yuhu Technology	ZT26S-SMAJ-SMAJ-1M	DDT-ZC02037	2026/03/28	1 Year
RF Cable	N/A	W13.02 AP1-X2	DDT-ZC04023	2026/03/28	1 Year
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2026/03/28	1 Year
Pre-amplifier	COM-POWER	PAM-118A	DDT-ZC01293	2026/08/10	1 Year
High pass filter	Micro-Tronics	HPM50102	DDT-ZC00561	2026/03/28	1 Year
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2026/03/28	1 Year
High pass filter	Micro-Tronics	HPM50108	DDT-ZC00560	2026/03/28	1 Year
High Pass filter	Xi'an Xingbo	XBLBQ-GTA67	DDT-ZC02179	2026/03/28	1 Year
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/	/
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2026/04/01	1 Year
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	DDT-ZC02050	2026/07/25	1Year
Hochgewinn-Hornantenne	SCHWARZBECK	BBHA 9120 D	DDT-ZC02129	2026/08/11	1 Year
Active Loop Antenna	Schwarzbeck	FMZB1519	DDT-ZC00524	2026/08/18	1 Year
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2026/03/28	1 Year
Radiation disturbance fully automated test software	Tonscend	JS32-RE (V5.0.0)	DDT-ZC02739	/	/

13.2. Block diagram of test setup



13.3. Limits

All restriction band should comply with 15.209 and RSS-Gen section 8.9 limits, other emission should be at least 20 dB below the fundamental.

13.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description
Laptop	Lenovo	00425-00000-00002-AA135	NA

13.5. Test procedure

Same with Radiated Emission except change investigated frequency range.
Remark: All restriction band have been tested, and only the worst case is shown in report.

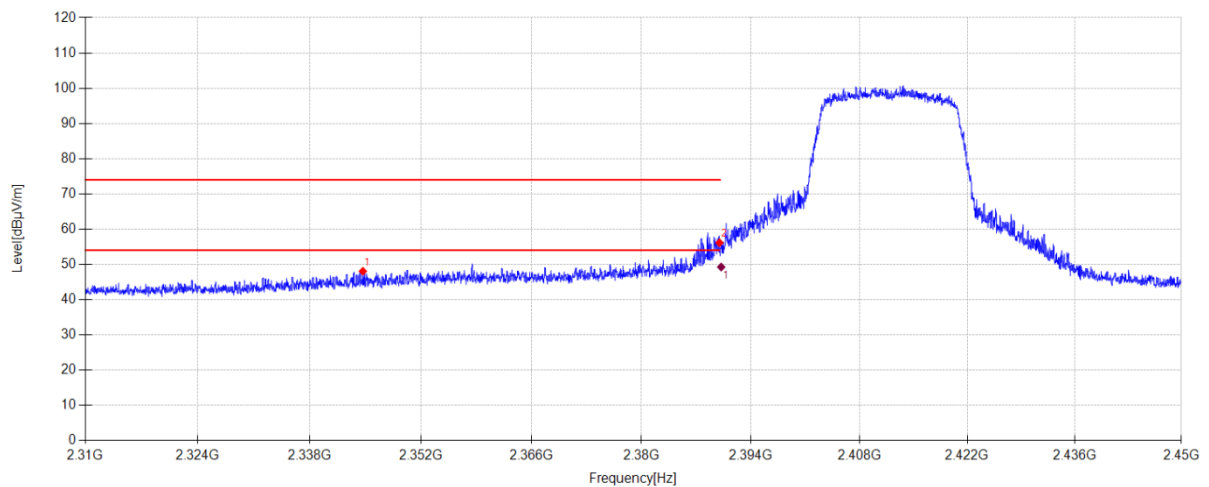
13.6. Test result

PASS. (See below detailed test result)

13.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date: 2025-09-01 **Tested By:** Nan Zhong
EUT: Meter **Model Number:** 5HY1-41
Test Mode: TX N20 2412MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.8°C;Humi:57.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25072135\FCC ABOVE1G 2.4G\27
Memo: Number:S25072135-002 Power setting:13



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2344.678	16.18	27.07	4.81	0.00	48.06	74.00	25.94	PK	Horizontal
2	2390.000	24.04	27.26	4.84	0.00	56.14	74.00	17.86	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	2390.218	17.15	27.26	4.84	49.25	54.0	4.75	AV	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:

2025-09-01

Tested By:

Nan Zhong

EUT:

Meter

Model Number:

5HY1-41

Test Mode:

TX N20 2412MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.8°C;Humi:57.5%

Test Site:

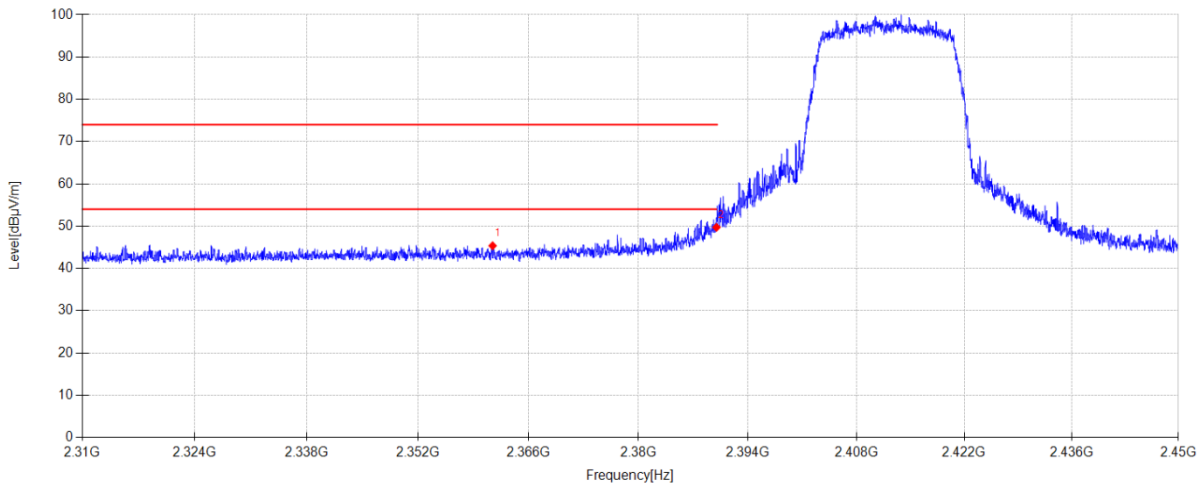
DDT 3# Chamber

File Path:

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Memo:

Number:S25072135-002 Power setting:13



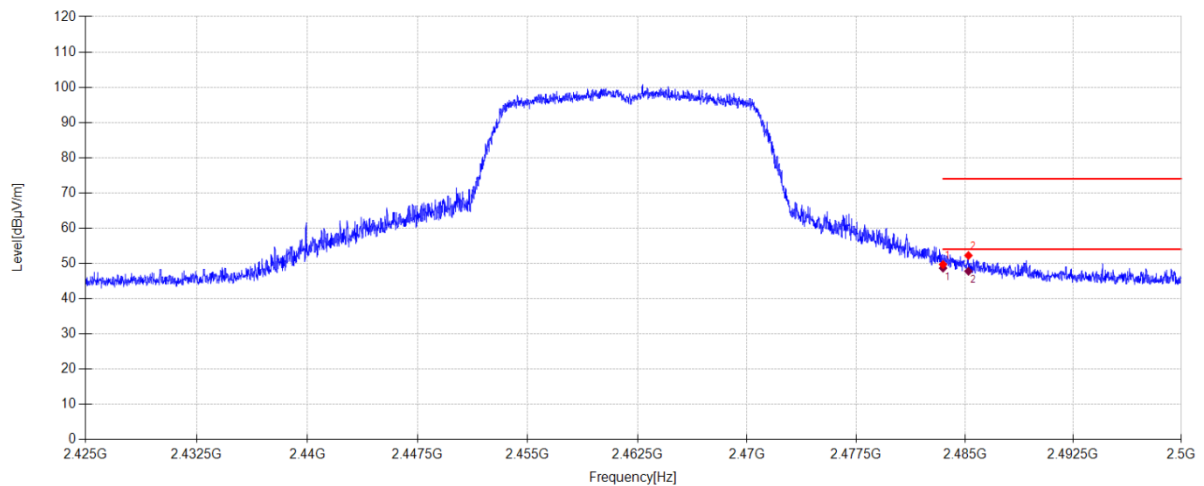
Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2361.450	13.39	27.15	4.82	0.00	45.36	74.00	28.64	PK	Vertical
2	2390.000	17.62	27.26	4.84	0.00	49.72	74.00	24.28	PK	Vertical

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: 2025-09-01 **Tested By:** Nan Zhong
EUT: Meter **Model Number:** 5HY1-41
Test Mode: TX N20 2462MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.8°C;Humi:57.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25072135\FCC ABOVE1G 2.4G\29
Memo: Number:S25072135-002 Power setting:13



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	17.28	27.53	4.89	0.00	49.70	74.00	24.30	PK	Horizontal
2	2485.255	19.80	27.54	4.90	0.00	52.24	74.00	21.76	PK	Horizontal

Final Data List

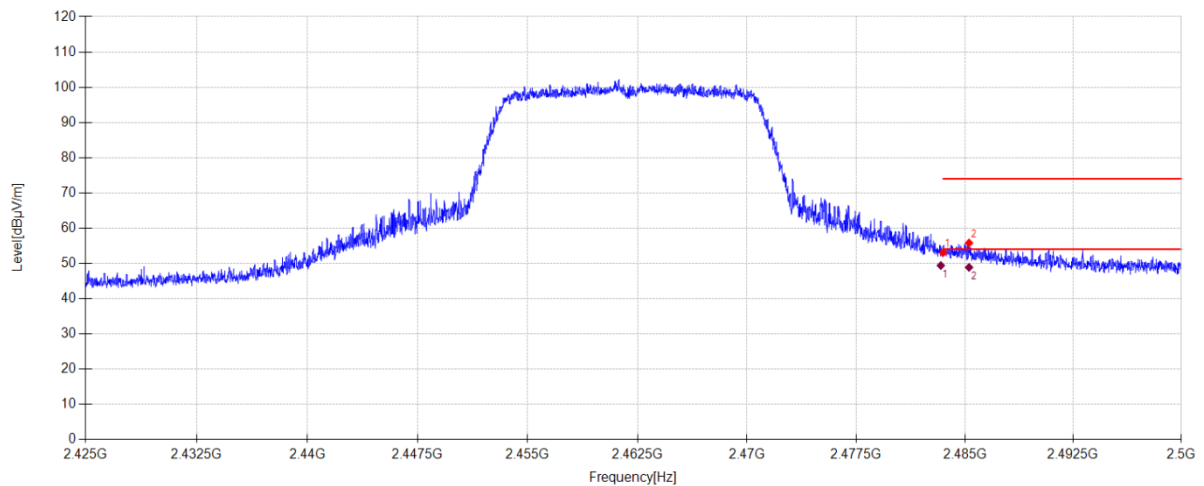
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	16.24	27.53	4.89	48.66	54.00	5.34	AV	Horizontal
2	2485.255	15.33	27.54	4.90	47.77	54.00	6.23	AV	Horizontal

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: 2025-09-01 **Tested By:** Nan Zhong
EUT: Meter **Model Number:** 5HY1-41
Test Mode: TX N20 2462MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.8°C;Humi:57.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25072135\FCC ABOVE1G 2.4G\30
Memo: Number:S25072135-002 Power setting:13



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	20.62	27.53	4.89	0.00	53.04	74.00	20.96	PK	Vertical
2	2485.293	23.35	27.54	4.90	0.00	55.79	74.00	18.21	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	2483.345	16.98	27.53	4.89	49.40	54.00	4.60	AV	Vertical
2	2485.293	16.43	27.54	4.90	48.87	54.00	5.13	AV	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:

2025-09-01

Tested By:

Nan Zhong

EUT:

Meter

Model Number:

5HY1-41

Test Mode:

TX 11B ANT1 2412MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.8°C;Humi:57.5%

Test Site:

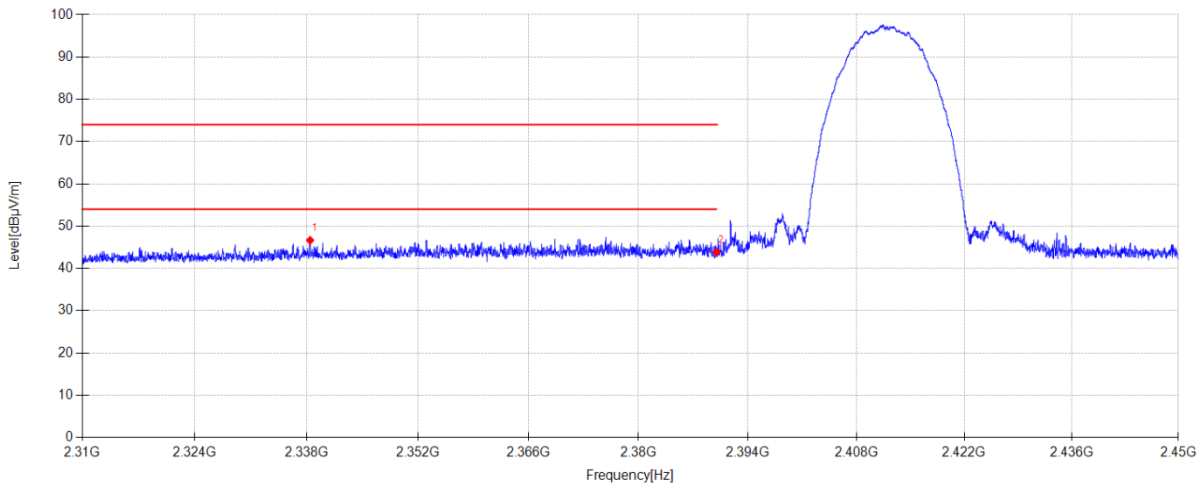
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25072135\FCC ABOVE1G 2.4G\33

Memo:

Number:S25072135-002 Power setting:12



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2338.420	14.82	27.03	4.80	0.00	46.65	74.00	27.35	PK	Horizontal
2	2390.000	11.77	27.26	4.84	0.00	43.87	74.00	30.13	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:

2025-09-01

Tested By:

Nan Zhong

EUT:

Meter

Model Number:

5HY1-41

Test Mode:

TX 11B ANT1 2412MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.8°C;Humi:57.5%

Test Site:

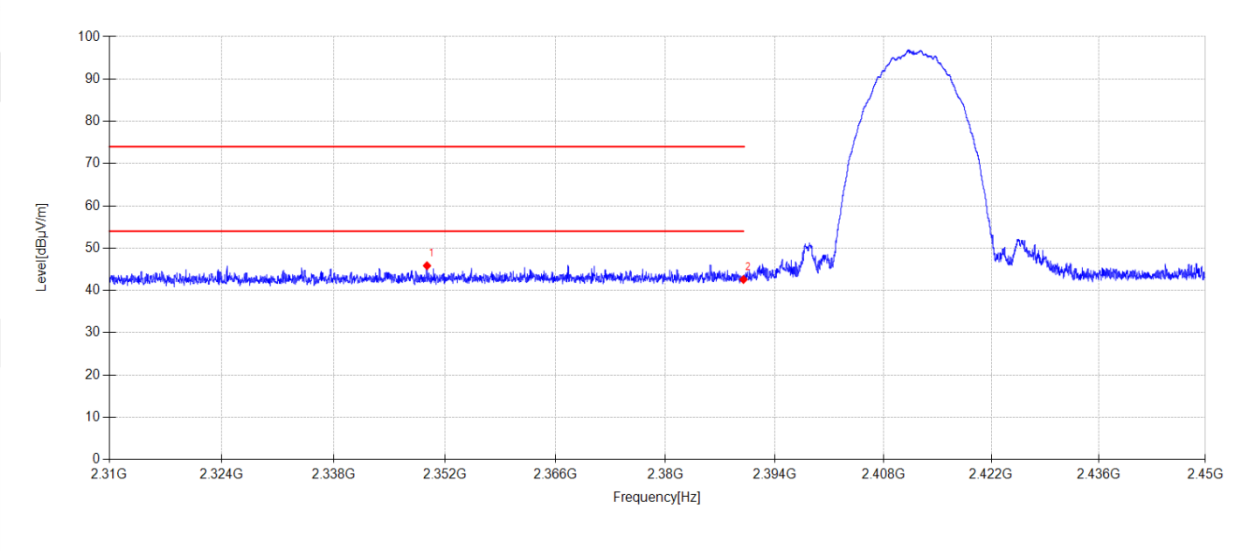
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25072135\FCC ABOVE1G 2.4G\34

Memo:

Number:S25072135-002 Power setting:12



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2349.732	13.94	27.10	4.81	0.00	45.85	74.00	28.15	PK	Vertical
2	2390.000	10.49	27.26	4.84	0.00	42.59	74.00	31.41	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:

2025-09-01

Tested By:

Nan Zhong

EUT:

Meter

Model Number:

5HY1-41

Test Mode:

TX 11B ANT1 2462MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.8°C;Humi:57.5%

Test Site:

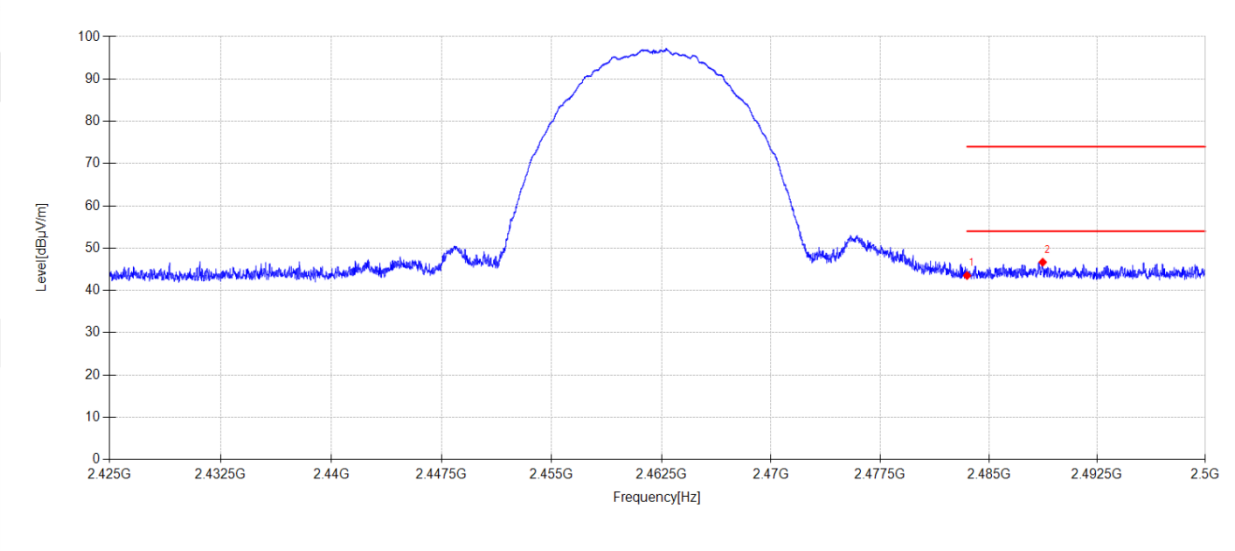
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25072135\FCC ABOVE1G 2.4G\35

Memo:

Number:S25072135-002 Power setting:12



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	11.10	27.53	4.89	0.00	43.52	74.00	30.48	PK	Horizontal
2	2488.728	14.23	27.55	4.90	0.00	46.68	74.00	27.32	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:

2025-09-01

Tested By:

Nan Zhong

EUT:

Meter

Model Number:

5HY1-41

Test Mode:

TX 11B ANT1 2462MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.8°C;Humi:57.5%

Test Site:

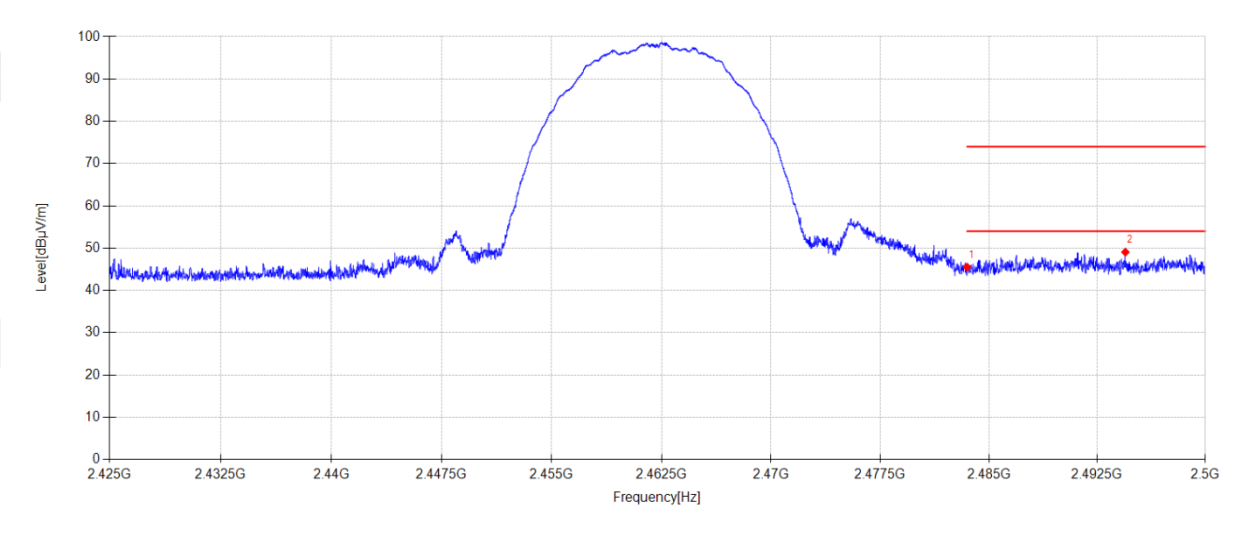
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25072135\FCC ABOVE1G 2.4G\36

Memo:

Number:S25072135-002 Power setting:12



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	13.10	27.53	4.89	0.00	45.52	74.00	28.48	PK	Vertical
2	2494.450	16.59	27.58	4.90	0.00	49.07	74.00	24.93	PK	Vertical

Note:

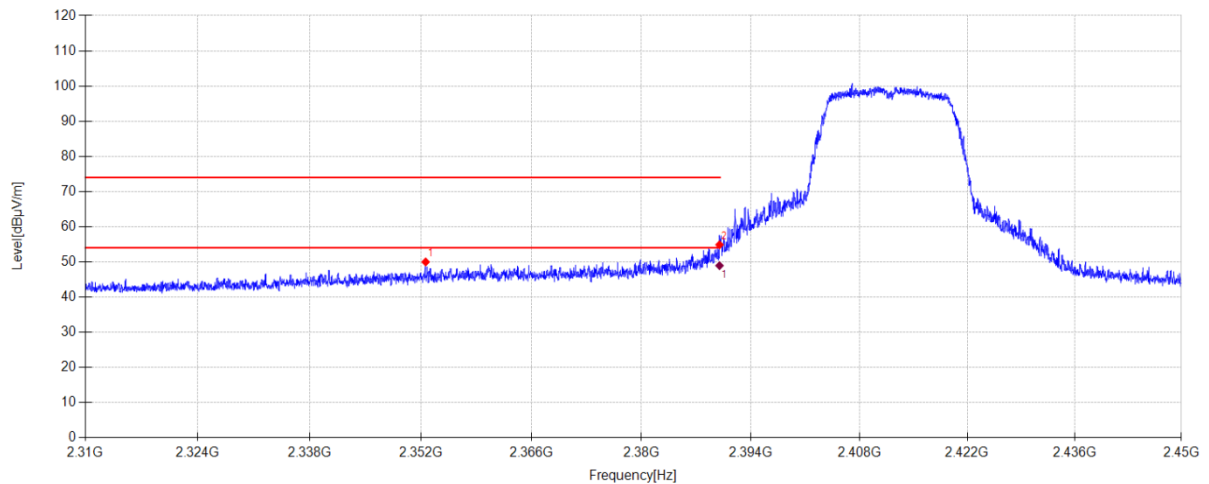
1. Level = Reading + Cable loss + Antenna Factor + AMP

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: 2025-09-01 **Tested By:** Nan Zhong
EUT: Meter **Model Number:** 5HY1-41
Test Mode: TX 11G ANT1 2412MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.8°C;Humi:57.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25072135\FCC ABOVE1G 2.4G\43
Memo: Number:S25072135-002 Power setting:13



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2352.588	18.07	27.11	4.81	0.00	49.99	74.00	24.01	PK	Horizontal
2	2390.000	22.77	27.26	4.84	0.00	54.87	74.00	19.13	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	2390.000	16.84	27.26	4.84	48.94	54.00	5.06	AV	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:

2025-09-01

Tested By:

Nan Zhong

EUT:

Meter

Model Number:

5HY1-41

Test Mode:

TX 11G ANT1 2412MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.8°C;Humi:57.5%

Test Site:

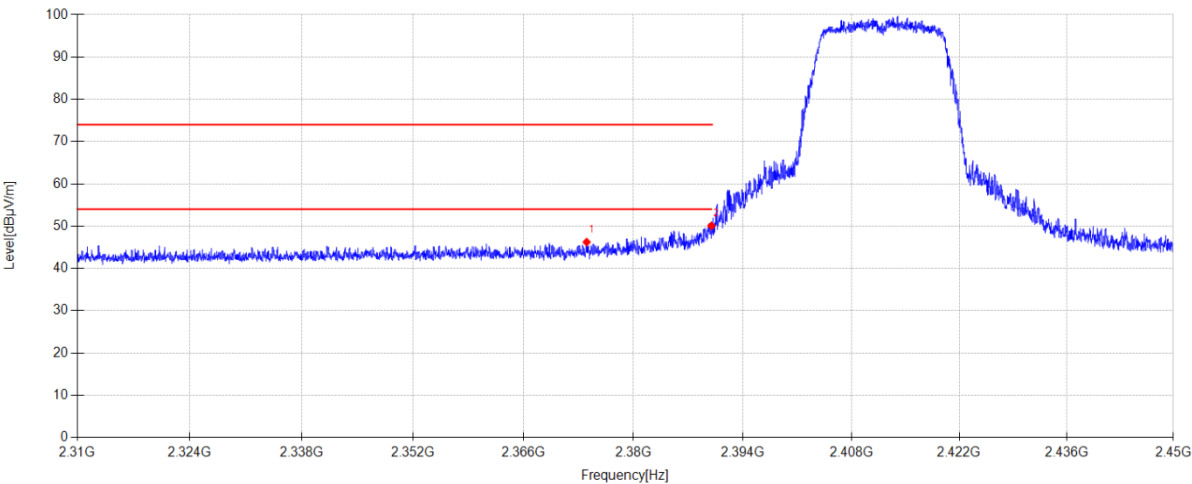
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25072135\FCC ABOVE1G 2.4G\44

Memo:

Number:S25072135-002 Power setting:13



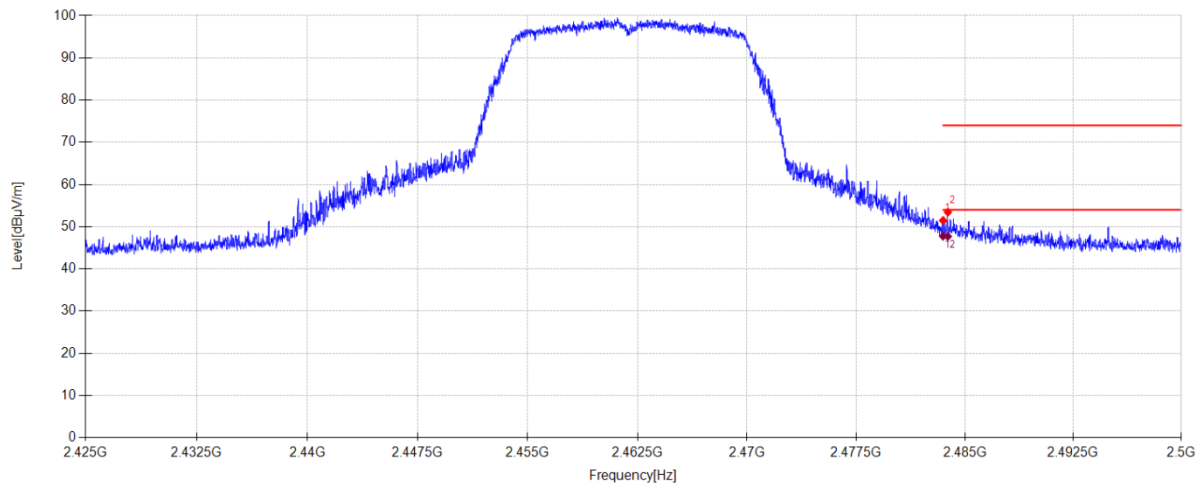
Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2374.036	14.21	27.20	4.83	0.00	46.24	74.00	27.76	PK	Vertical
2	2390.000	17.99	27.26	4.84	0.00	50.09	74.00	23.91	PK	Vertical

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: 2025-09-01 **Tested By:** Nan Zhong
EUT: Meter **Model Number:** 5HY1-41
Test Mode: TX 11G ANT1 2462MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.8°C;Humi:57.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25072135\FCC ABOVE1G 2.4G\49
Memo: Number:S25072135-002 Power setting:13



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	19.05	27.53	4.89	0.00	51.47	74.00	22.53	PK	Horizontal
2	2483.830	21.01	27.54	4.89	0.00	53.44	74.00	20.56	PK	Horizontal

Final Data List

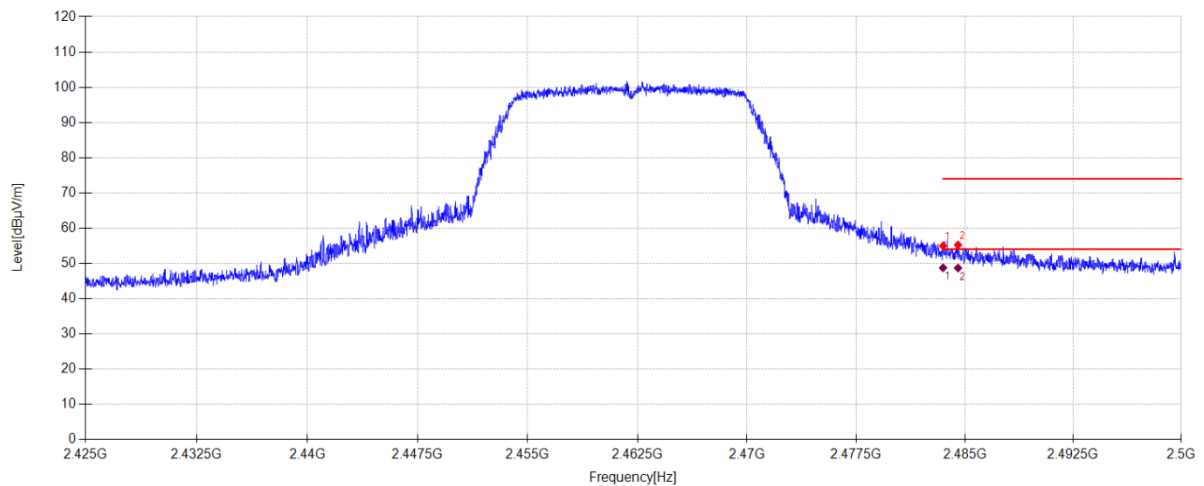
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	15.33	27.53	4.89	47.75	54.00	6.25	AV	Horizontal
2	2483.830	15.27	27.54	4.89	47.70	54.00	6.30	AV	Horizontal

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: 2025-09-01 **Tested By:** Nan Zhong
EUT: Meter **Model Number:** 5HY1-41
Test Mode: TX 11G ANT1 2462MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.8°C;Humi:57.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25072135\FCC ABOVE1G 2.4G\50
Memo: Number:S25072135-002 Power setting:13



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	22.54	27.53	4.89	0.00	54.96	74.00	19.04	PK	Vertical
2	2484.535	22.79	27.54	4.90	0.00	55.23	74.00	18.77	PK	Vertical

Final Data List

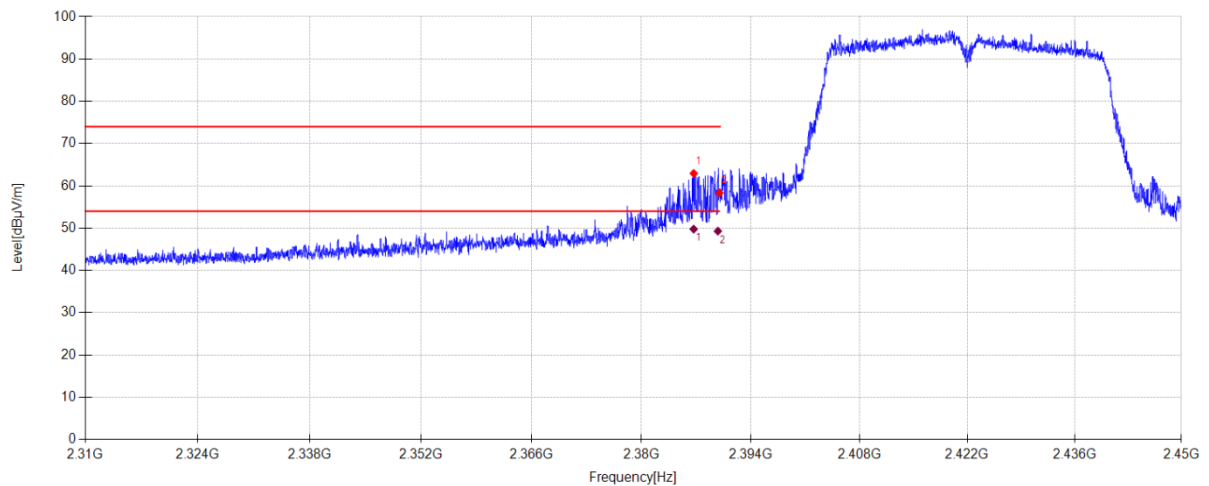
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	16.33	27.53	4.89	48.75	54.00	5.25	AV	Vertical
2	2484.535	16.24	27.54	4.90	48.68	54.00	5.32	AV	Vertical

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: 2025-09-01 **Tested By:** Nan Zhong
EUT: Meter **Model Number:** 5HY1-41
Test Mode: TX N40 2422MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.8°C;Humi:57.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25072135\FCC ABOVE1G 2.4G\53
Memo: Number:S25072135-002 Power setting:11

**Suspected Data List**

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2386.692	30.87	27.25	4.83	0.00	62.95	74.00	11.05	PK	Horizontal
2	2390.000	26.23	27.26	4.84	0.00	58.33	74.00	15.67	PK	Horizontal

Final Data List

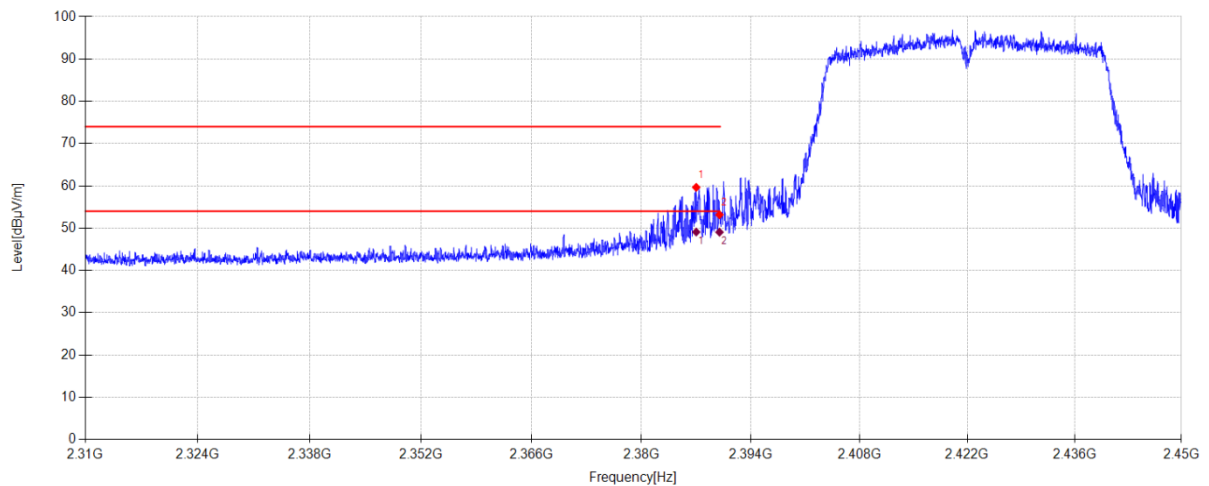
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2386.692	17.69	27.25	4.83	49.77	54.00	4.23	AV	Horizontal
2	2389.793	17.20	27.26	4.84	49.30	54.00	4.70	AV	Horizontal

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: 2025-09-01 **Tested By:** Nan Zhong
EUT: Meter **Model Number:** 5HY1-41
Test Mode: TX N40 2422MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.8°C;Humi:57.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25072135\FCC ABOVE1G 2.4G\54
Memo: Number:S25072135-002 Power setting:11



Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2387.014	27.58	27.25	4.83	0.00	59.66	74.00	14.34	PK	Vertical
2	2390.000	21.07	27.26	4.84	0.00	53.17	74.00	20.83	PK	Vertical

Final Data List

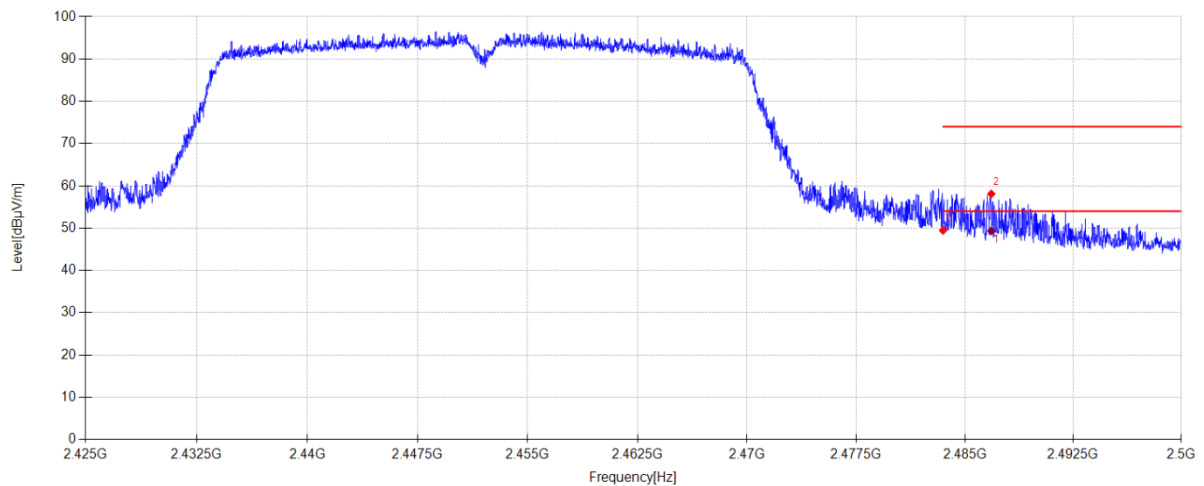
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2387.014	17.01	27.25	4.83	49.09	54.00	4.91	AV	Vertical
2	2390.000	16.95	27.26	4.84	49.05	54.00	4.95	AV	Vertical

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: 2025-09-01 **Tested By:** Nan Zhong
EUT: Meter **Model Number:** 5HY1-41
Test Mode: TX N40 2452MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.8°C;Humi:57.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25072135\FCC ABOVE1G 2.4G\55
Memo: Number:S25072135-002 Power setting:11

**Suspected Data List**

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	17.06	27.53	4.89	0.00	49.48	74.00	24.52	PK	Horizontal
2	2486.830	25.65	27.55	4.90	0.00	58.10	74.00	15.90	PK	Horizontal

Final Data List

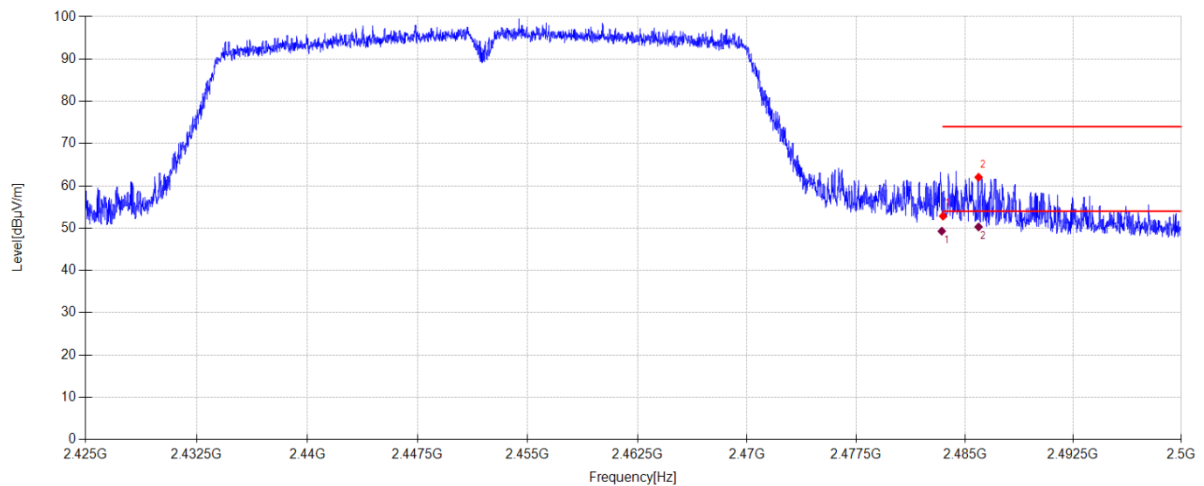
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2486.830	16.88	27.55	4.90	49.33	54.00	4.67	AV	Horizontal

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: 2025-09-01 **Tested By:** Nan Zhong
EUT: Meter **Model Number:** 5HY1-41
Test Mode: TX N40 2452MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.8°C;Humi:57.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25072135\FCC ABOVE1G 2.4G\56
Memo: Number:S25072135-002 Power setting:11

**Suspected Data List**

NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	20.42	27.53	4.89	0.00	52.84	74.00	21.16	PK	Vertical
2	2485.953	29.60	27.54	4.90	0.00	62.04	74.00	11.96	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	2483.411	16.87	27.53	4.89	49.29	54.00	4.71	AV	Vertical
2	2485.953	17.85	27.54	4.90	50.29	54.00	3.71	AV	Vertical

Note:

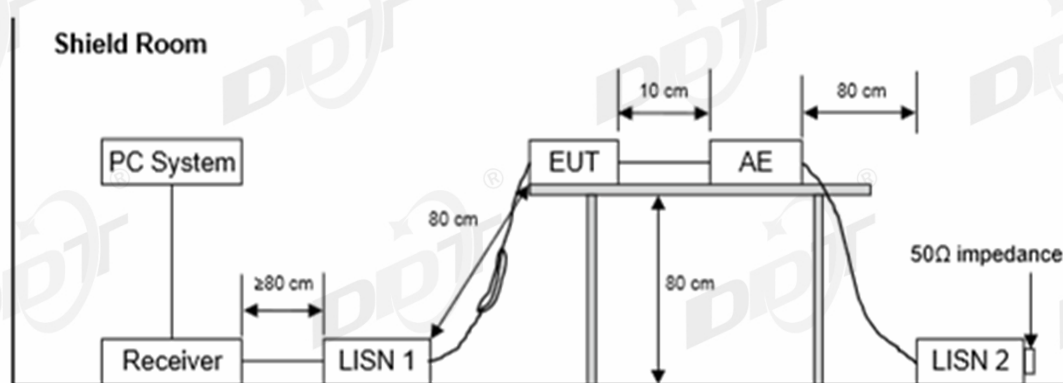
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

14. Power Line Conducted Emissions

14.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
/	/	/	/	/

14.2. Block diagram of test setup



14.3. Limits

Frequency	Quasi-Peak Level dB(μV)	Average Level dB(μV)
150 kHz~500 kHz	66 ~ 56*	56 ~ 46*
500 kHz~5 MHz	56	46
5 MHz~30 MHz	60	50

Note 1: * Decreasing linearly with logarithm of frequency.

Note 2: The lower limit shall apply at the transition frequencies.

14.4. Assistant equipment used for test

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

14.5. Test procedure

The EUT and Support equipment, if needed, were put placed on a non-metallic table, 80cm above the ground plane.

All support equipment power received from a second LISN.

Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.

The Receiver scanned from 150 kHz to 30 MHz for emissions in each of the test modes.

During the above scans, the emissions were maximized by cable manipulation.

The test mode(s) described in clause 2.4 were scanned during the preliminary test.

After the preliminary scan, we found the test mode producing the highest emission level.

The EUT configuration and worse cable configuration of the above highest emission levels were recorded for reference of the final test.

EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.

A scan was taken on both power lines, Neutral and Line, recording at least the six highest emissions.

Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.

The test data of the worst-case condition(s) was recorded.

The bandwidth of test receiver is set at 9 kHz.

14.6. Test result

Not applicable. Product is DC powered.

16. Photos of the EUT

Please refer to appendix I

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