

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 AC20 5825MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.8°C;Humi:57.5%

Test Site:

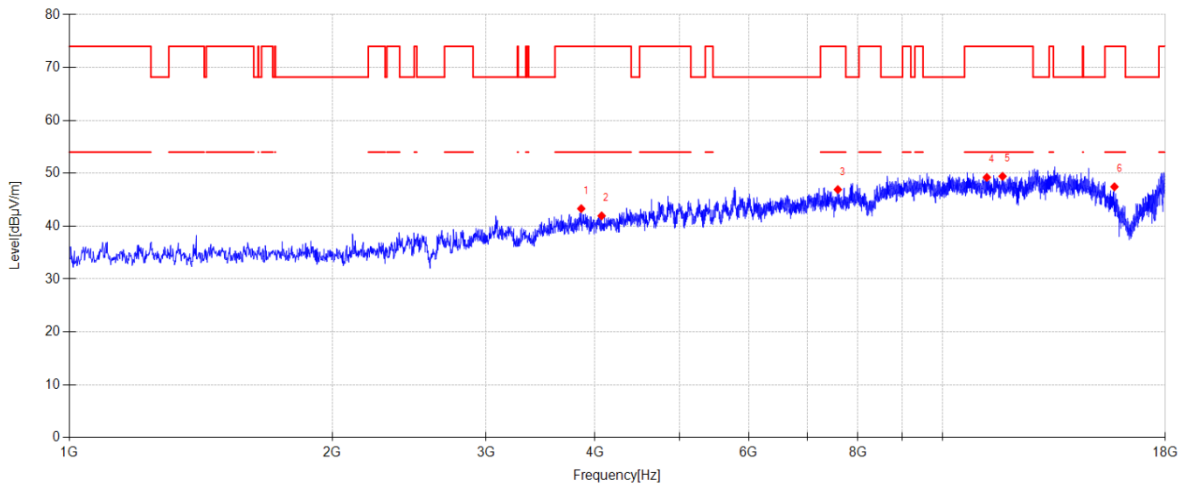
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25072135\FCC ABOVE1G 5.8G\5

Memo:

Number:S25072135-002 Power setting:20



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	3857.700	46.74	30.95	5.27	-39.65	43.31	74.00	30.69	PK	Horizontal
2	4070.200	45.19	31.04	5.39	-39.67	41.95	74.00	32.05	PK	Horizontal
3	7589.200	43.30	36.48	7.61	-40.47	46.92	74.00	27.08	PK	Horizontal
4	11240.800	40.71	39.20	8.56	-39.24	49.23	74.00	24.77	PK	Horizontal
5	11718.500	41.32	38.98	8.85	-39.72	49.43	74.00	24.57	PK	Horizontal
6	15740.700	38.31	38.42	10.12	-39.40	47.45	74.00	26.55	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 AC20 5825MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.8°C;Humi:57.5%

Test Site:

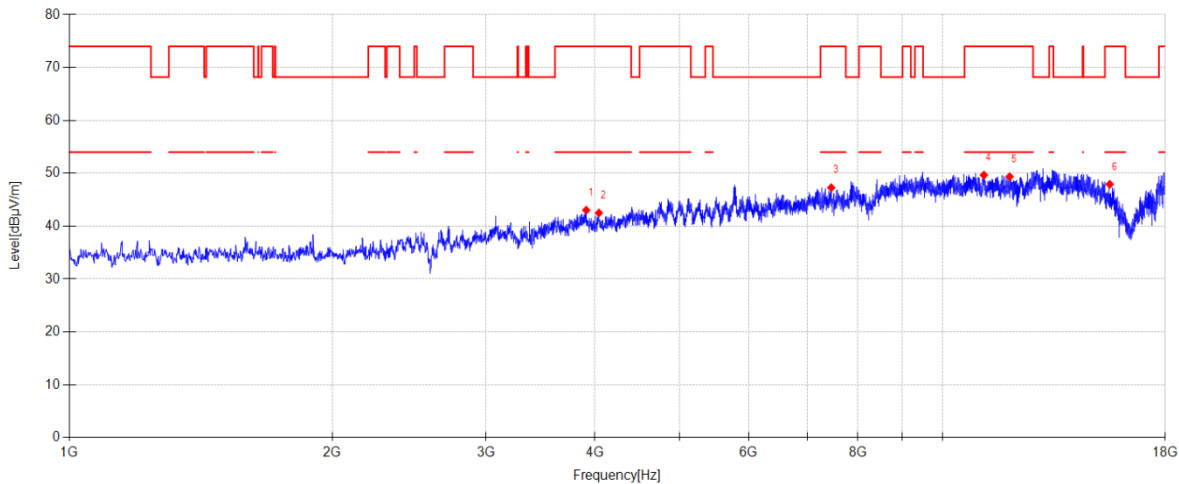
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25072135\FCC ABOVE1G 5.8G\6

Memo:

Number:S25072135-002 Power setting:20



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	3908.700	46.22	31.18	5.28	-39.66	43.02	74.00	30.98	PK	Vertical
2	4041.300	45.84	30.98	5.36	-39.68	42.50	74.00	31.50	PK	Vertical
3	7458.300	43.77	36.58	7.52	-40.59	47.28	74.00	26.72	PK	Vertical
4	11155.800	41.06	39.24	8.51	-39.16	49.65	74.00	24.35	PK	Vertical
5	11937.800	41.31	39.01	8.98	-39.94	49.36	74.00	24.64	PK	Vertical
6	15543.500	38.58	38.71	10.03	-39.40	47.92	74.00	26.08	PK	Vertical

Note:

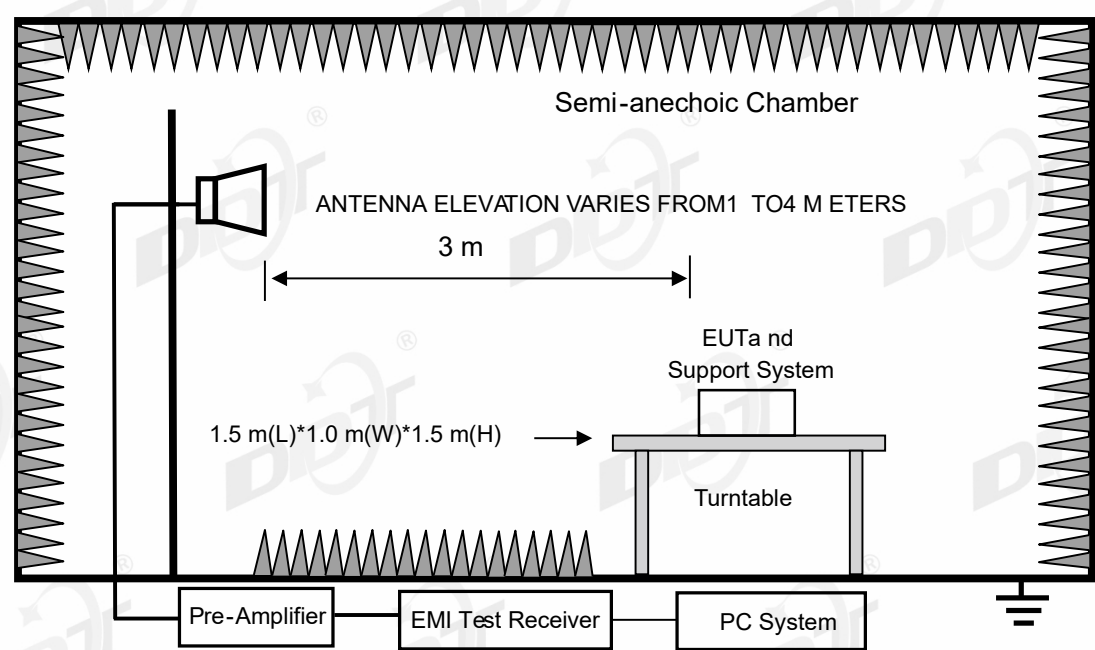
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

12. Band Edge Compliance

12.1. 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

12.2. Block diagram of test setup



12.3. Limits

For transmitters operating solely in the 5.725-5.850 GHz band:
All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

12.4. Assistant equipment used for test

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

12.5. Test procedure

Same with Emissions in Restricted Frequency Bands except change investigated frequency range from 5.725-5.85 GHz.
Remark: All restriction band have been tested, and only the worst case is shown in report.

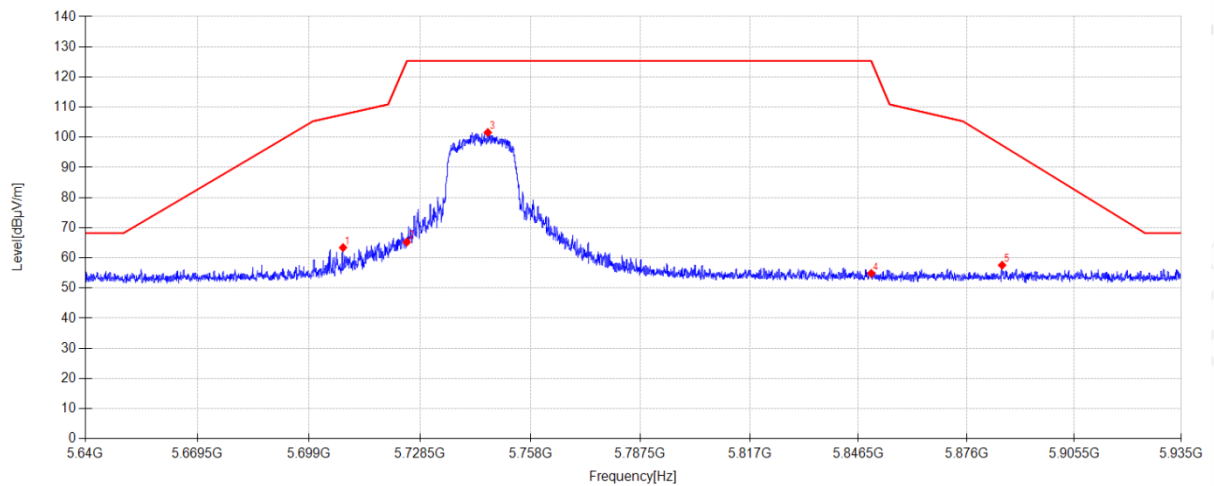
12.6. Test result

PASS. (See below detailed test result)

12.7. 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 5745MHz 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 5.8G\7
Memo: Number:S25072135-002 Power setting:20



Suspected Data List

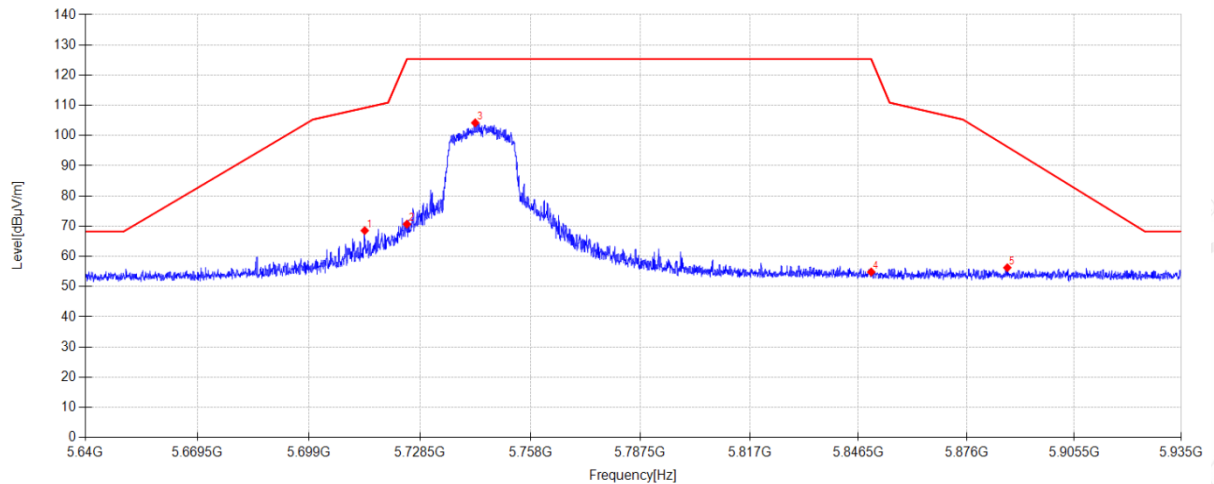
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5708.027	53.33	33.65	6.03	-29.60	63.41	107.55	44.14	PK	Horizontal
2	5725.000	55.05	33.75	6.03	-29.60	65.23	125.30	60.07	PK	Horizontal
3	5746.584	91.25	33.88	6.05	-29.60	101.58	125.30	23.72	PK	Horizontal
4	5850.000	44.36	34.00	6.10	-29.60	54.86	125.30	70.44	PK	Horizontal
5	5885.735	46.98	34.07	6.12	-29.60	57.57	97.33	39.76	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 N20 5745MHz 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 5.8G\8
Memo: Number:S25072135-002 Power setting:20

**Suspected Data List**

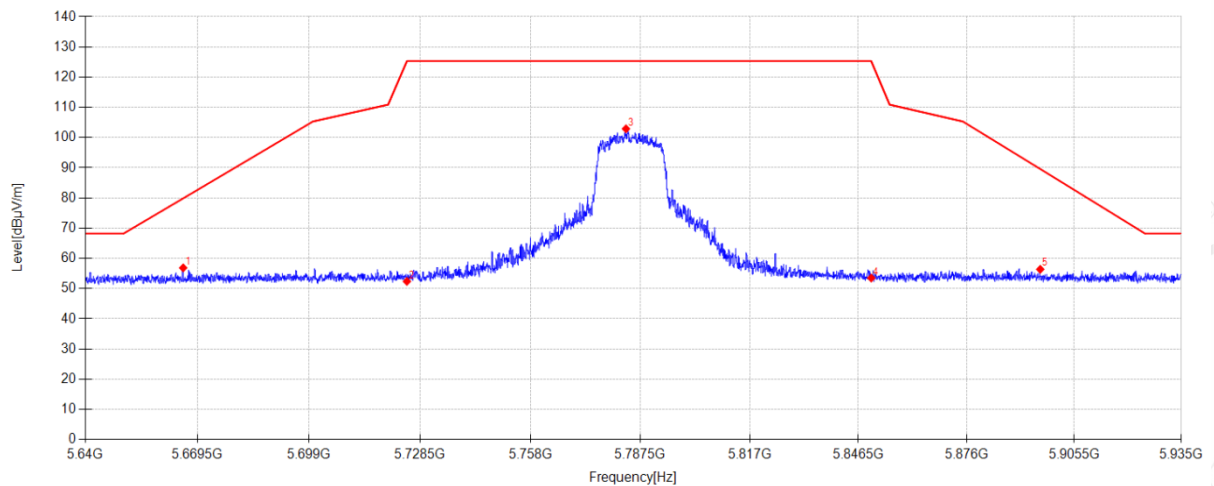
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5713.780	58.42	33.68	6.03	-29.60	68.53	109.16	40.63	PK	Vertical
2	5725.000	60.48	33.75	6.03	-29.60	70.66	125.30	54.64	PK	Vertical
3	5743.221	93.90	33.86	6.04	-29.60	104.20	125.30	21.10	PK	Vertical
4	5850.000	44.32	34.00	6.10	-29.60	54.82	125.30	70.48	PK	Vertical
5	5887.151	45.66	34.07	6.12	-29.60	56.25	96.28	40.03	PK	Vertical

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- 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: 2025-09-01 **Tested By:** Nan Zhong
EUT: Meter **Model Number:** 5HY1-41
Test Mode: TX N20 5785MHz 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 5.8G\9
Memo: Number:S25072135-002 Power setting:20

**Suspected Data List**

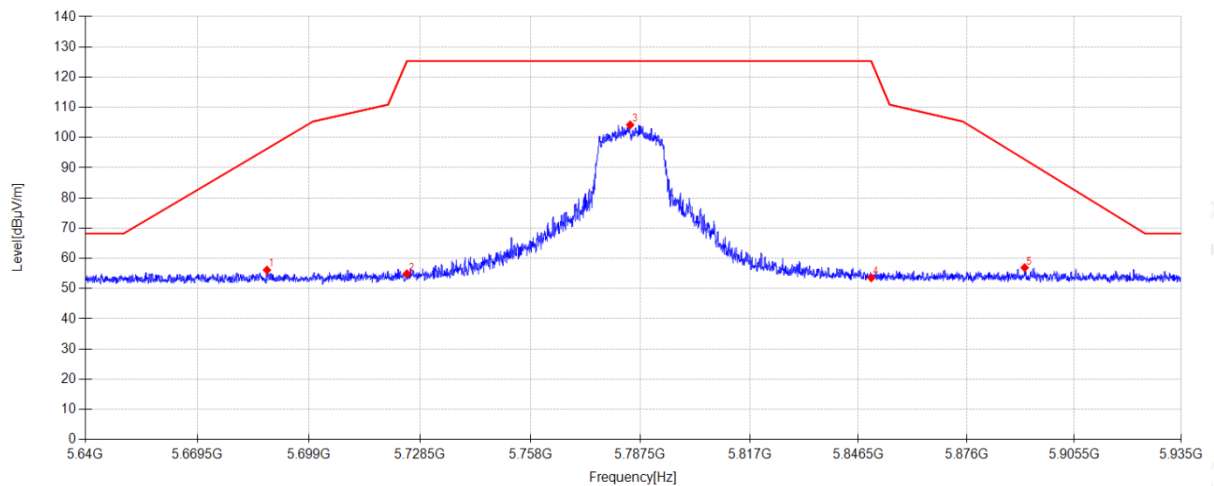
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5665.724	47.00	33.46	6.00	-29.60	56.86	79.87	23.01	PK	Horizontal
2	5725.000	42.20	33.75	6.03	-29.60	52.38	125.30	72.92	PK	Horizontal
3	5783.636	92.33	34.10	6.07	-29.60	102.90	125.30	22.40	PK	Horizontal
4	5850.000	43.00	34.00	6.10	-29.60	53.50	125.30	71.80	PK	Horizontal
5	5896.178	45.77	34.09	6.12	-29.60	56.38	89.59	33.21	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 N20 5785MHz 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 5.8G\10
Memo: Number:S25072135-002 Power setting:20

**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	5687.849	46.17	33.55	6.01	-29.60	56.13	96.28	40.15	PK	Vertical
2	5725.000	44.74	33.75	6.03	-29.60	54.92	125.30	70.38	PK	Vertical
3	5784.757	93.61	34.11	6.07	-29.60	104.19	125.30	21.11	PK	Vertical
4	5850.000	43.06	34.00	6.10	-29.60	53.56	125.30	71.74	PK	Vertical
5	5891.901	46.31	34.08	6.12	-29.60	56.91	92.76	35.85	PK	Vertical

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- 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:

2025-09-01

Tested By:

Nan Zhong

EUT:

Meter

Model Number:

5HY1-41

Test Mode:

TX N20 5825MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.8°C;Humi:57.5%

Test Site:

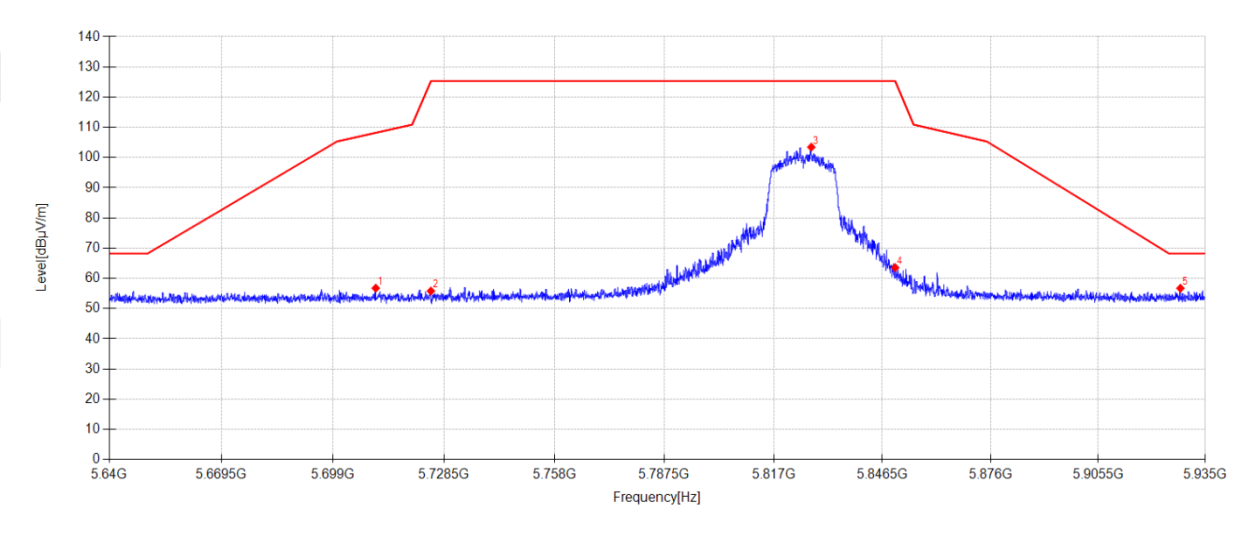
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25072135\FCC ABOVE1G 5.8G\11

Memo:

Number:S25072135-002 Power setting:20



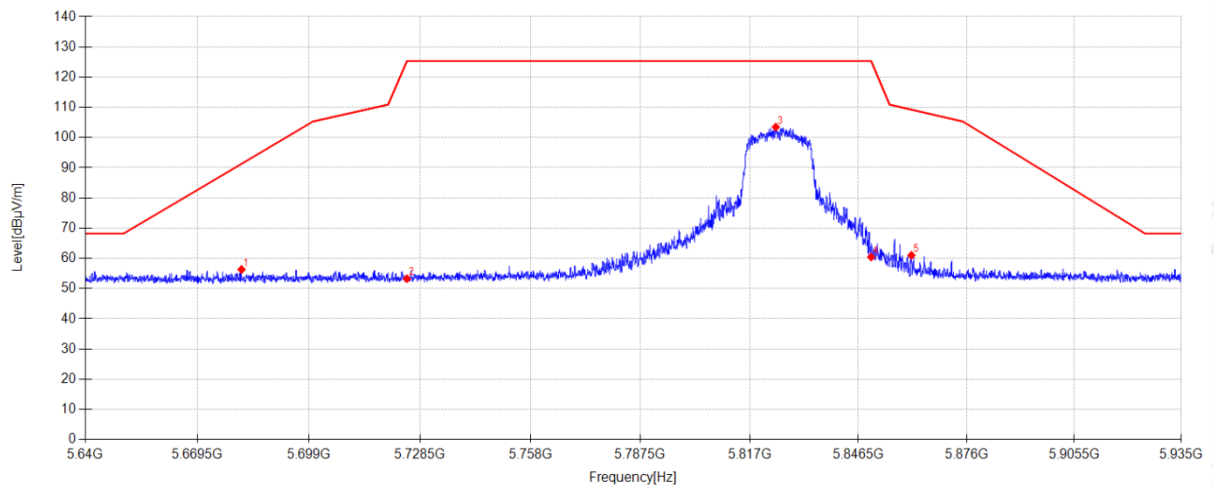
Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5710.328	46.66	33.66	6.03	-29.60	56.75	108.19	51.44	PK	Horizontal
2	5725.000	45.62	33.75	6.03	-29.60	55.80	125.30	69.50	PK	Horizontal
3	5827.207	92.87	34.09	6.09	-29.60	103.45	125.30	21.85	PK	Horizontal
4	5850.000	53.06	34.00	6.10	-29.60	63.56	125.30	61.74	PK	Horizontal
5	5928.127	46.03	34.16	6.14	-29.60	56.73	68.20	11.47	PK	Horizontal

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- 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: 2025-09-01 **Tested By:** Nan Zhong
EUT: Meter **Model Number:** 5HY1-41
Test Mode: TX N20 5825MHz 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 5.8G\12
Memo: Number:S25072135-002 Power setting:20

**Suspected Data List**

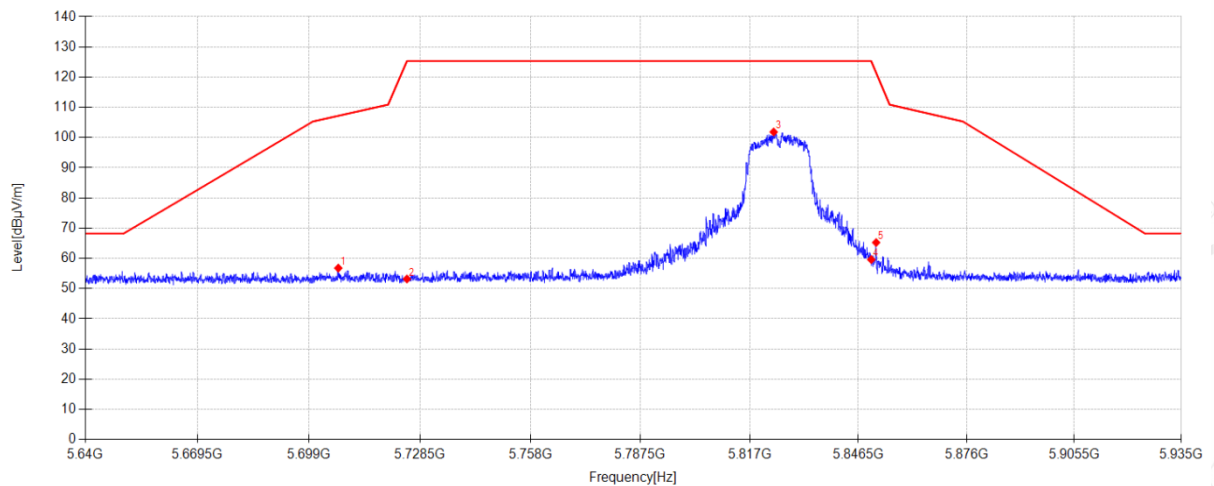
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5681.123	46.39	33.52	6.01	-29.60	56.32	91.29	34.97	PK	Vertical
2	5725.000	43.09	33.75	6.03	-29.60	53.27	125.30	72.03	PK	Vertical
3	5824.080	92.87	34.10	6.09	-29.60	103.46	125.30	21.84	PK	Vertical
4	5850.000	49.97	34.00	6.10	-29.60	60.47	125.30	64.83	PK	Vertical
5	5860.955	50.47	34.02	6.11	-29.60	61.00	109.23	48.23	PK	Vertical

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- 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: 2025-09-01 **Tested By:** Nan Zhong
EUT: Meter **Model Number:** 5HY1-41
Test Mode: TX 11A ANT1 5825MHz 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 5.8G\13
Memo: Number:S25072135-002 Power setting:20

**Suspected Data List**

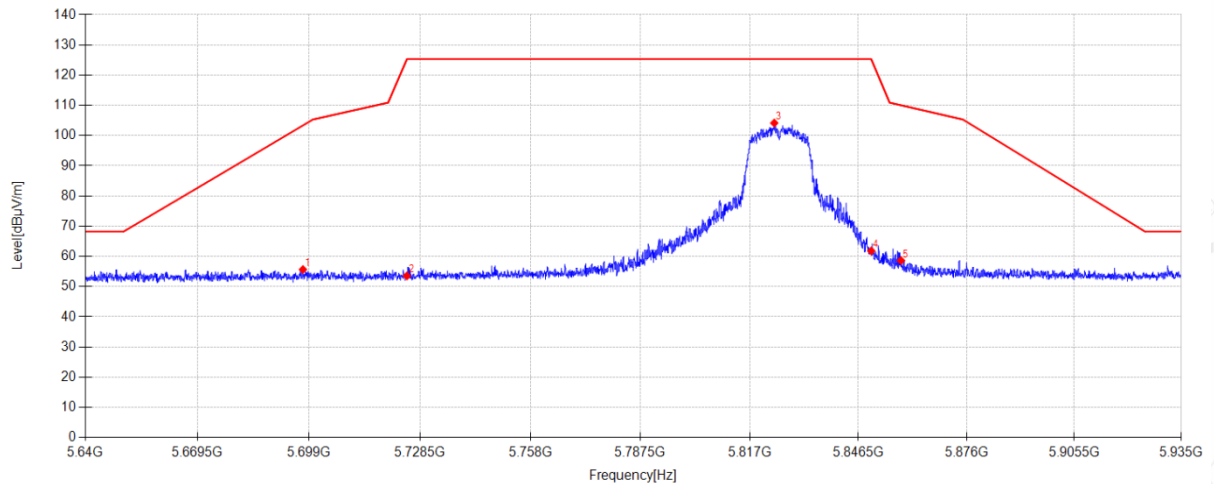
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5706.759	46.72	33.64	6.02	-29.60	56.78	107.19	50.41	PK	Horizontal
2	5725.000	43.00	33.75	6.03	-29.60	53.18	125.30	72.12	PK	Horizontal
3	5823.520	91.23	34.11	6.09	-29.60	101.83	125.30	23.47	PK	Horizontal
4	5850.000	49.10	34.00	6.10	-29.60	59.60	125.30	65.70	PK	Horizontal
5	5851.338	54.75	34.00	6.10	-29.60	65.25	121.45	56.20	PK	Horizontal

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- 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: 2025-09-01 **Tested By:** Nan Zhong
EUT: Meter **Model Number:** 5HY1-41
Test Mode: TX 11A ANT1 5825MHz 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 5.8G\14
Memo: Number:S25072135-002 Power setting:20

**Suspected Data List**

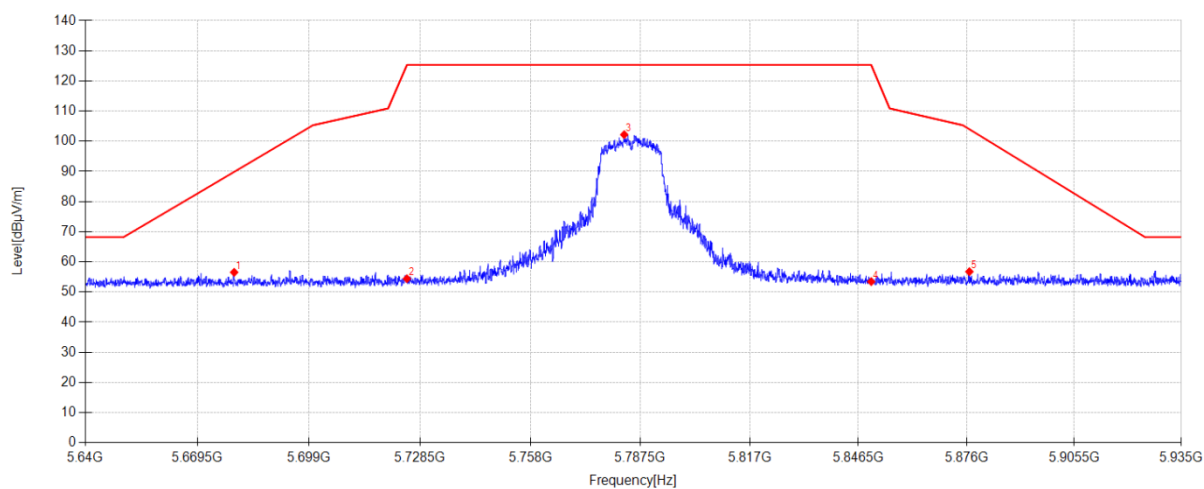
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5697.378	45.64	33.59	6.02	-29.60	55.65	103.35	47.70	PK	Vertical
2	5725.000	43.36	33.75	6.03	-29.60	53.54	125.30	71.76	PK	Vertical
3	5823.667	93.55	34.11	6.09	-29.60	104.15	125.30	21.15	PK	Vertical
4	5850.000	51.30	34.00	6.10	-29.60	61.80	125.30	63.50	PK	Vertical
5	5858.094	48.10	34.02	6.10	-29.60	58.62	110.03	51.41	PK	Vertical

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- 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: 2025-09-01 **Tested By:** Nan Zhong
EUT: Meter **Model Number:** 5HY1-41
Test Mode: TX 11A ANT1 5785MHz 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 5.8G\19
Memo: Number:S25072135-002 Power setting:20

**Suspected Data List**

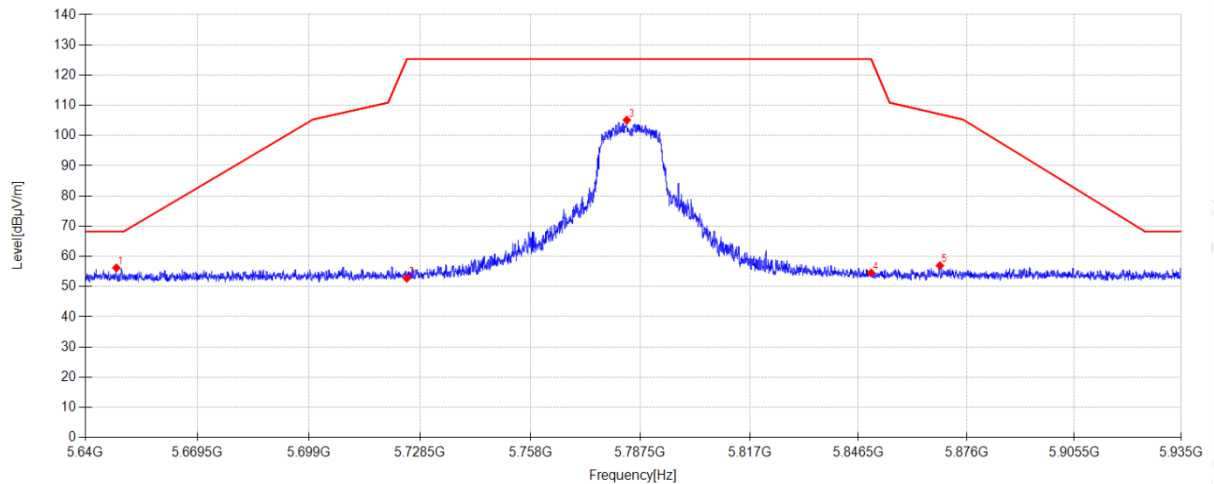
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5679.176	46.62	33.52	6.01	-29.60	56.55	89.85	33.30	PK	Horizontal
2	5725.000	44.24	33.75	6.03	-29.60	54.42	125.30	70.88	PK	Horizontal
3	5783.164	91.62	34.10	6.07	-29.60	102.19	125.30	23.11	PK	Horizontal
4	5850.000	42.95	34.00	6.10	-29.60	53.45	125.30	71.85	PK	Horizontal
5	5876.767	46.19	34.05	6.11	-29.60	56.75	103.99	47.24	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 11A ANT1 5785MHz 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 5.8G\20
Memo: Number:S25072135-002 Power setting:20

**Suspected Data List**

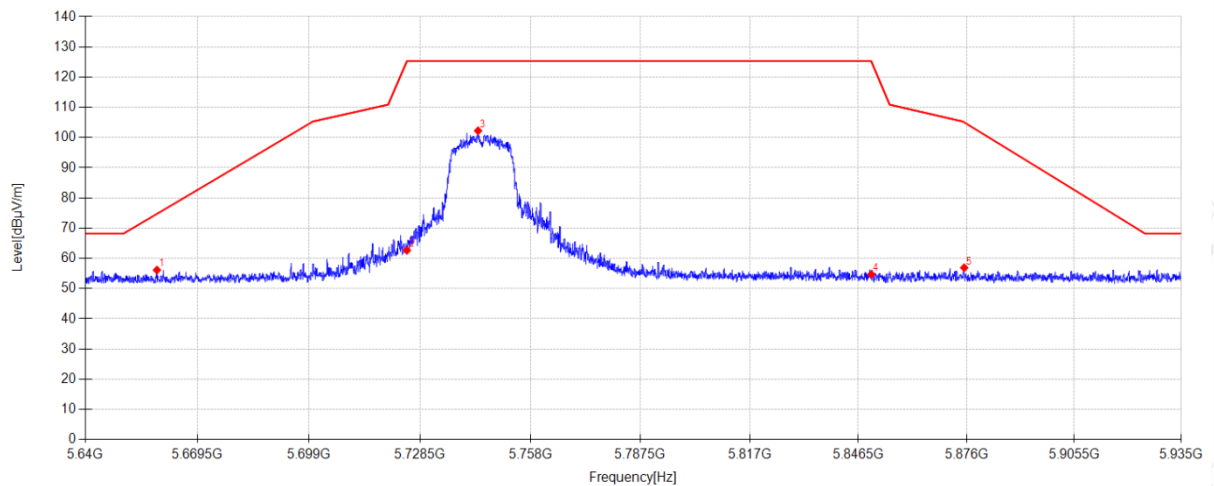
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5648.142	46.40	33.40	5.99	-29.60	56.19	68.20	12.01	PK	Vertical
2	5725.000	42.55	33.75	6.03	-29.60	52.73	125.30	72.57	PK	Vertical
3	5783.842	94.54	34.10	6.07	-29.60	105.11	125.30	20.19	PK	Vertical
4	5850.000	44.01	34.00	6.10	-29.60	54.51	125.30	70.79	PK	Vertical
5	5868.714	46.41	34.04	6.11	-29.60	56.96	107.06	50.10	PK	Vertical

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- 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: 2025-09-01 **Tested By:** Nan Zhong
EUT: Meter **Model Number:** 5HY1-41
Test Mode: TX 11A ANT1 5745MHz 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 5.8G\21
Memo: Number:S25072135-002 Power setting:20

**Suspected Data List**

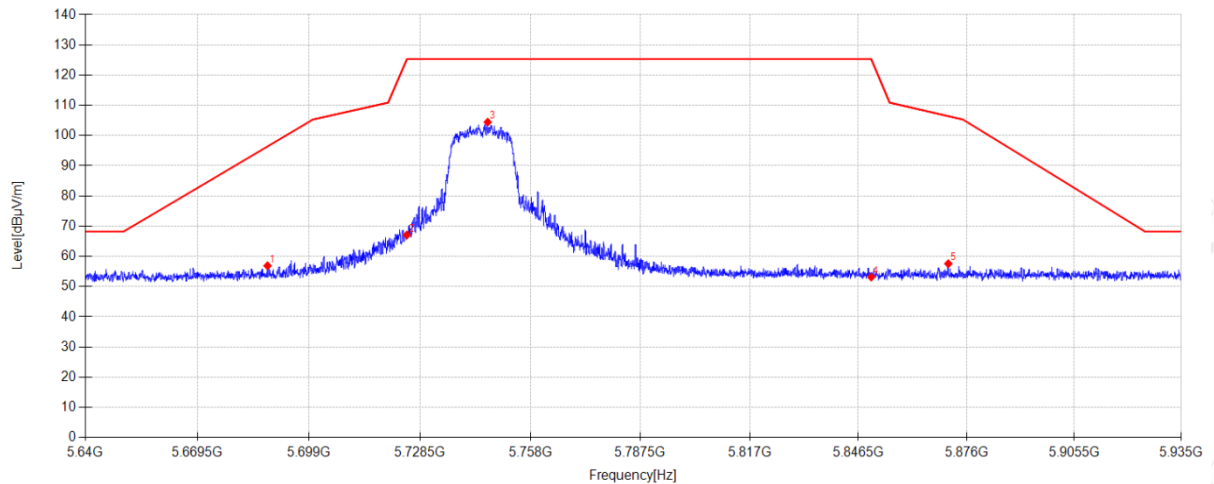
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5658.821	46.29	33.44	6.00	-29.60	56.13	74.75	18.62	PK	Horizontal
2	5725.000	52.48	33.75	6.03	-29.60	62.66	125.30	62.64	PK	Horizontal
3	5743.988	91.94	33.86	6.04	-29.60	102.24	125.30	23.06	PK	Horizontal
4	5850.000	44.19	34.00	6.10	-29.60	54.69	125.30	70.61	PK	Horizontal
5	5875.351	46.33	34.05	6.11	-29.60	56.89	105.04	48.15	PK	Horizontal

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- 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: 2025-09-01 **Tested By:** Nan Zhong
EUT: Meter **Model Number:** 5HY1-41
Test Mode: TX 11A ANT1 5745MHz 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 5.8G\22
Memo: Number:S25072135-002 Power setting:20

**Suspected Data List**

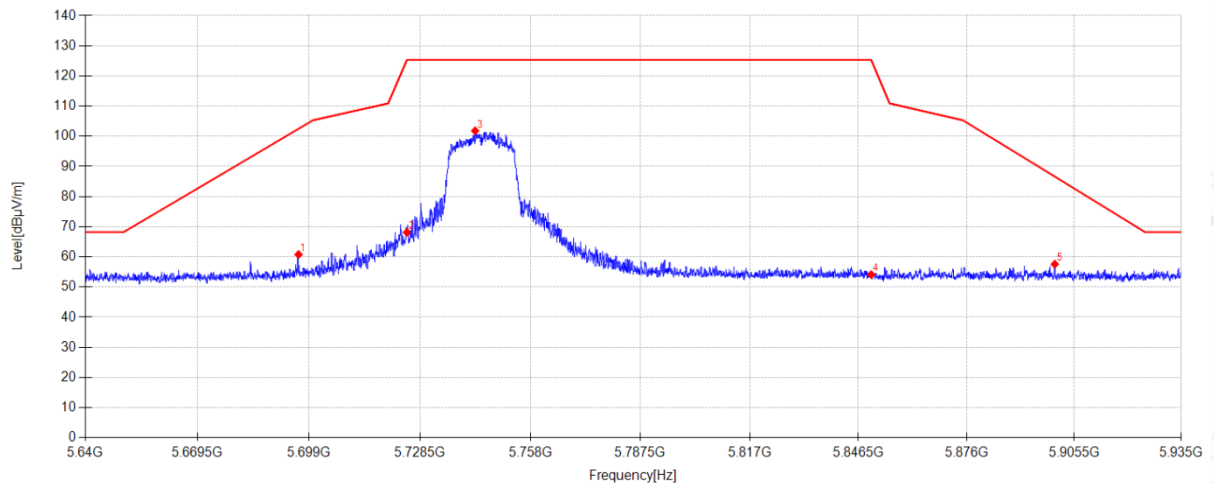
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5687.997	46.92	33.55	6.01	-29.60	56.88	96.39	39.51	PK	Vertical
2	5725.000	56.91	33.75	6.03	-29.60	67.09	125.30	58.21	PK	Vertical
3	5746.554	94.11	33.88	6.05	-29.60	104.44	125.30	20.86	PK	Vertical
4	5850.000	42.64	34.00	6.10	-29.60	53.14	125.30	72.16	PK	Vertical
5	5871.015	47.02	34.04	6.11	-29.60	57.57	106.42	48.85	PK	Vertical

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- 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: 2025-09-01 **Tested By:** Nan Zhong
EUT: Meter **Model Number:** 5HY1-41
Test Mode: TX AC20 5745MHz 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 5.8G\25
Memo: Number:S25072135-002 Power setting:20

**Suspected Data List**

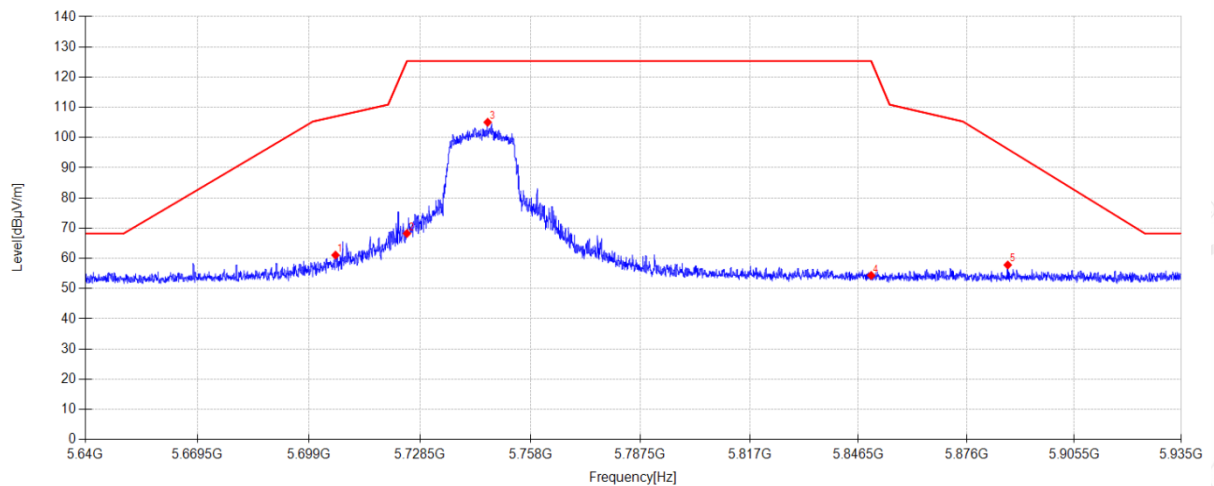
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5696.198	50.79	33.58	6.02	-29.60	60.79	102.48	41.69	PK	Horizontal
2	5725.000	57.97	33.75	6.03	-29.60	68.15	125.30	57.15	PK	Horizontal
3	5743.191	91.50	33.86	6.04	-29.60	101.80	125.30	23.50	PK	Horizontal
4	5850.000	43.62	34.00	6.10	-29.60	54.12	125.30	71.18	PK	Horizontal
5	5900.161	46.95	34.10	6.13	-29.60	57.58	86.63	29.05	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 AC20 5745MHz 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 5.8G\26
Memo: Number:S25072135-002 Power setting:20

**Suspected Data List**

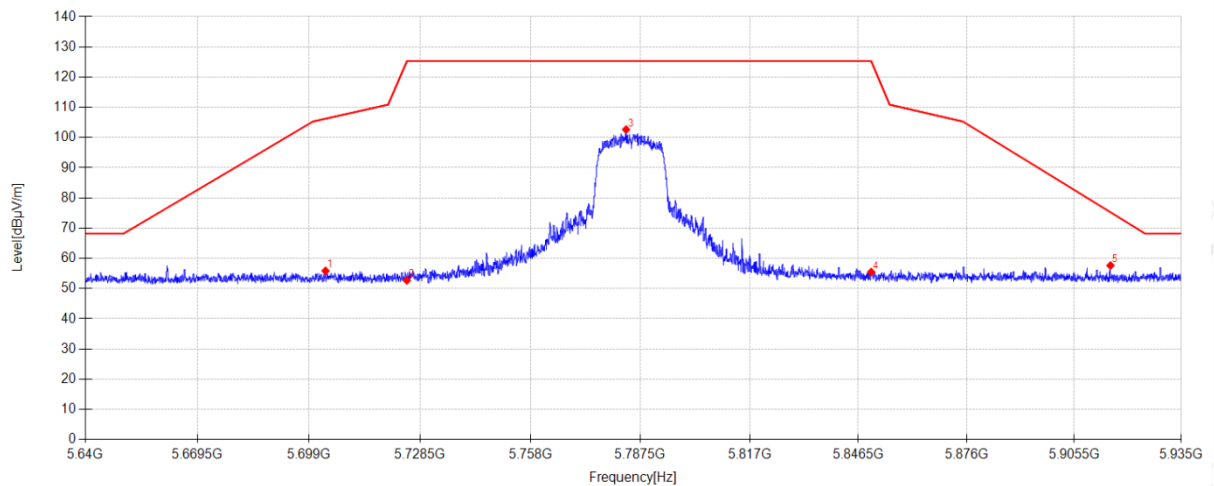
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5706.021	51.02	33.64	6.02	-29.60	61.08	106.99	45.91	PK	Vertical
2	5725.000	58.06	33.75	6.03	-29.60	68.24	125.30	57.06	PK	Vertical
3	5746.554	94.73	33.88	6.05	-29.60	105.06	125.30	20.24	PK	Vertical
4	5850.000	43.87	34.00	6.10	-29.60	54.37	125.30	70.93	PK	Vertical
5	5887.269	47.22	34.07	6.12	-29.60	57.81	96.20	38.39	PK	Vertical

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- 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: 2025-09-01 **Tested By:** Nan Zhong
EUT: Meter **Model Number:** 5HY1-41
Test Mode: TX AC20 5785MHz 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 5.8G\27
Memo: Number:S25072135-002 Power setting:20

**Suspected Data List**

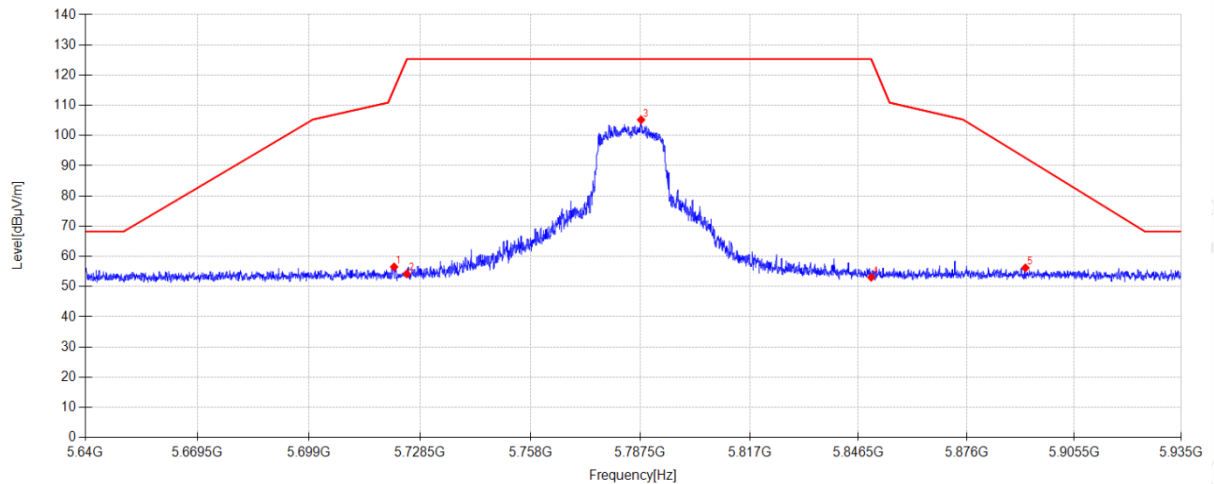
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5703.366	45.82	33.62	6.02	-29.60	55.86	106.24	50.38	PK	Horizontal
2	5725.000	42.53	33.75	6.03	-29.60	52.71	125.30	72.59	PK	Horizontal
3	5783.665	92.07	34.10	6.07	-29.60	102.64	125.30	22.66	PK	Horizontal
4	5850.000	44.96	34.00	6.10	-29.60	55.46	125.30	69.84	PK	Horizontal
5	5915.471	46.97	34.13	6.14	-29.60	57.64	75.27	17.63	PK	Horizontal

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- 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: 2025-09-01 **Tested By:** Nan Zhong
EUT: Meter **Model Number:** 5HY1-41
Test Mode: TX AC20 5785MHz 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 5.8G\28
Memo: Number:S25072135-002 Power setting:20

**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	5721.597	46.36	33.73	6.03	-29.60	56.52	115.50	58.98	PK	Vertical
2	5725.000	44.02	33.75	6.03	-29.60	54.20	125.30	71.10	PK	Vertical
3	5787.707	94.62	34.13	6.07	-29.60	105.22	125.30	20.08	PK	Vertical
4	5850.000	42.57	34.00	6.10	-29.60	53.07	125.30	72.23	PK	Vertical
5	5892.107	45.59	34.08	6.12	-29.60	56.19	92.61	36.42	PK	Vertical

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- 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:

2025-09-01

Tested By:

Nan Zhong

EUT:

Meter

Model Number:

5HY1-41

Test Mode:

TX AC20 5825MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.8°C;Humi:57.5%

Test Site:

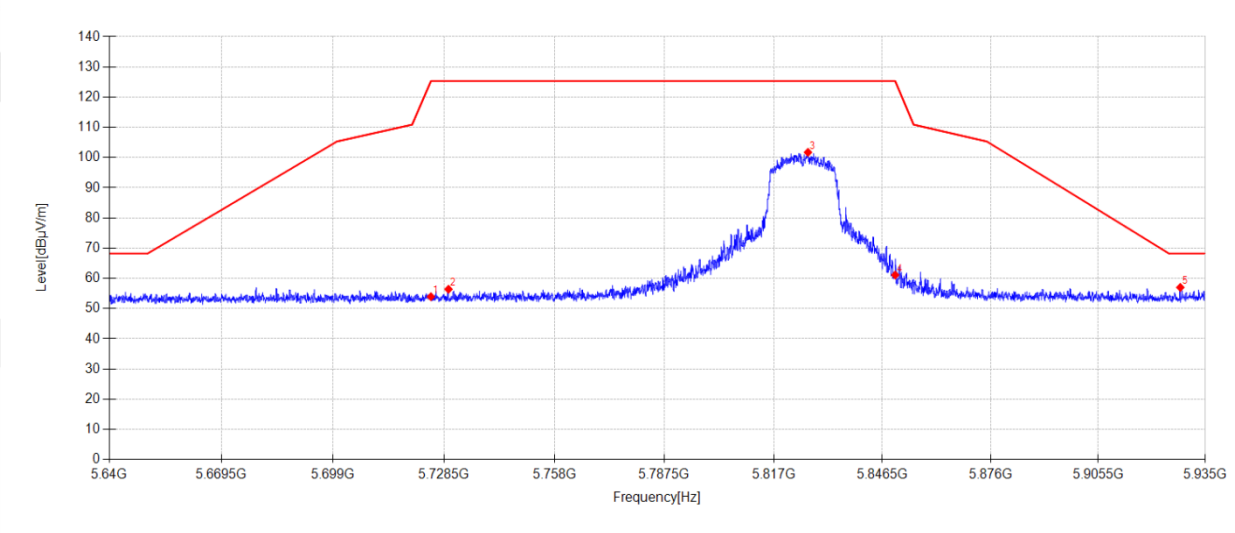
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25072135\FCC ABOVE1G 5.8G\29

Memo:

Number:S25072135-002 Power setting:20



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	5725.000	43.76	33.75	6.03	-29.60	53.94	125.30	71.36	PK	Horizontal
2	5729.680	46.18	33.78	6.04	-29.60	56.40	125.30	68.90	PK	Horizontal
3	5826.293	91.14	34.09	6.09	-29.60	101.72	125.30	23.58	PK	Horizontal
4	5850.000	50.61	34.00	6.10	-29.60	61.11	125.30	64.19	PK	Horizontal
5	5928.097	46.30	34.16	6.14	-29.60	57.00	68.20	11.20	PK	Horizontal

Note:

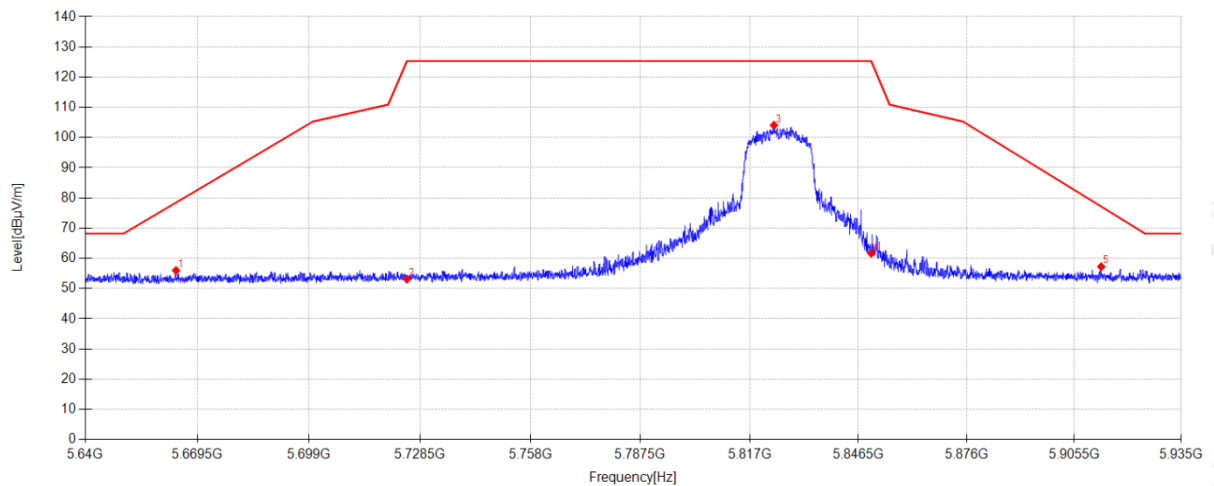
1. Level = Reading + Cable loss + Antenna Factor + AMP

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 AC20 5825MHz 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 5.8G\30
Memo: Number:S25072135-002 Power setting:20

**Suspected Data List**

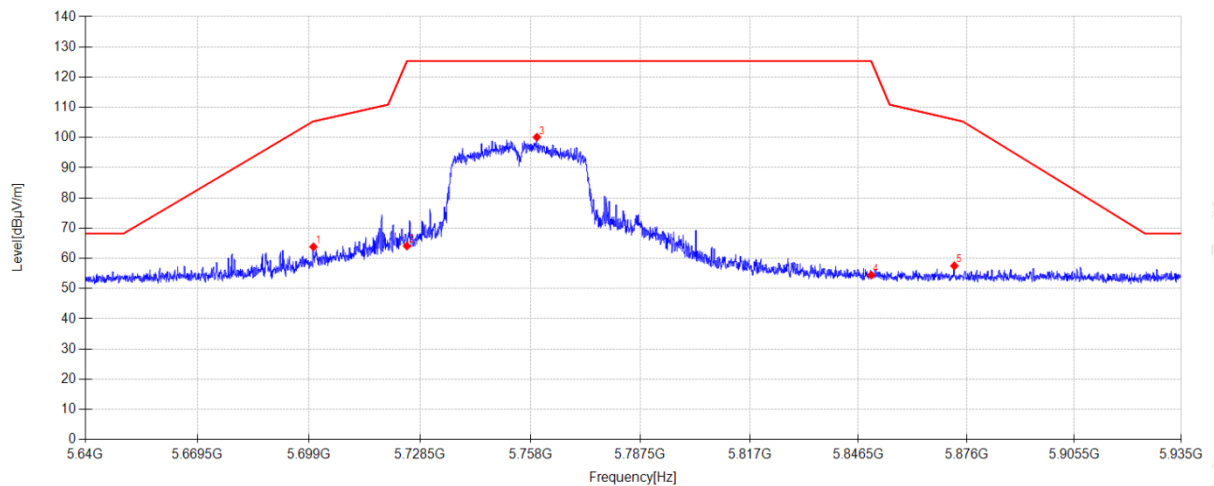
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5663.836	46.14	33.46	6.00	-29.60	56.00	78.47	22.47	PK	Vertical
2	5725.000	42.93	33.75	6.03	-29.60	53.11	125.30	72.19	PK	Vertical
3	5823.579	93.48	34.11	6.09	-29.60	104.08	125.30	21.22	PK	Vertical
4	5850.000	51.16	34.00	6.10	-29.60	61.66	125.30	63.64	PK	Vertical
5	5912.934	46.58	34.13	6.13	-29.60	57.24	77.15	19.91	PK	Vertical

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- 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: 2025-09-01 **Tested By:** Nan Zhong
EUT: Meter **Model Number:** 5HY1-41
Test Mode: TX AC40 5755MHz 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 5.8G\31
Memo: Number:S25072135-002 Power setting:20

**Suspected Data List**

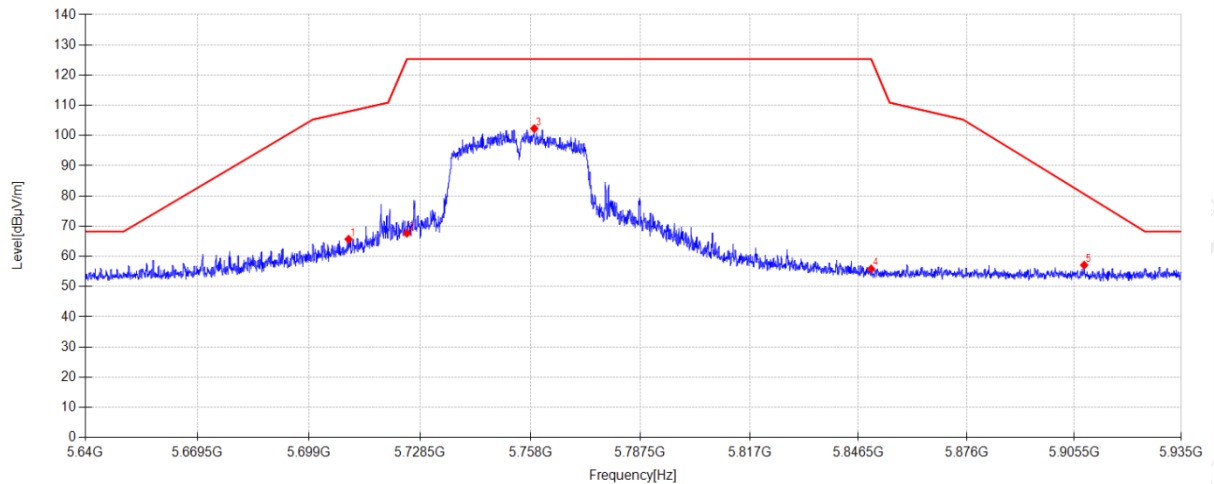
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5700.180	53.79	33.60	6.02	-29.60	63.81	105.35	41.54	PK	Horizontal
2	5725.000	53.90	33.75	6.03	-29.60	64.08	125.30	61.22	PK	Horizontal
3	5759.711	89.70	33.96	6.05	-29.60	100.11	125.30	25.19	PK	Horizontal
4	5850.000	43.98	34.00	6.10	-29.60	54.48	125.30	70.82	PK	Horizontal
5	5872.667	46.96	34.05	6.11	-29.60	57.52	105.95	48.43	PK	Horizontal

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- 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: 2025-09-01 **Tested By:** Nan Zhong
EUT: Meter **Model Number:** 5HY1-41
Test Mode: TX AC40 5755MHz 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 5.8G\32
Memo: Number:S25072135-002 Power setting:20



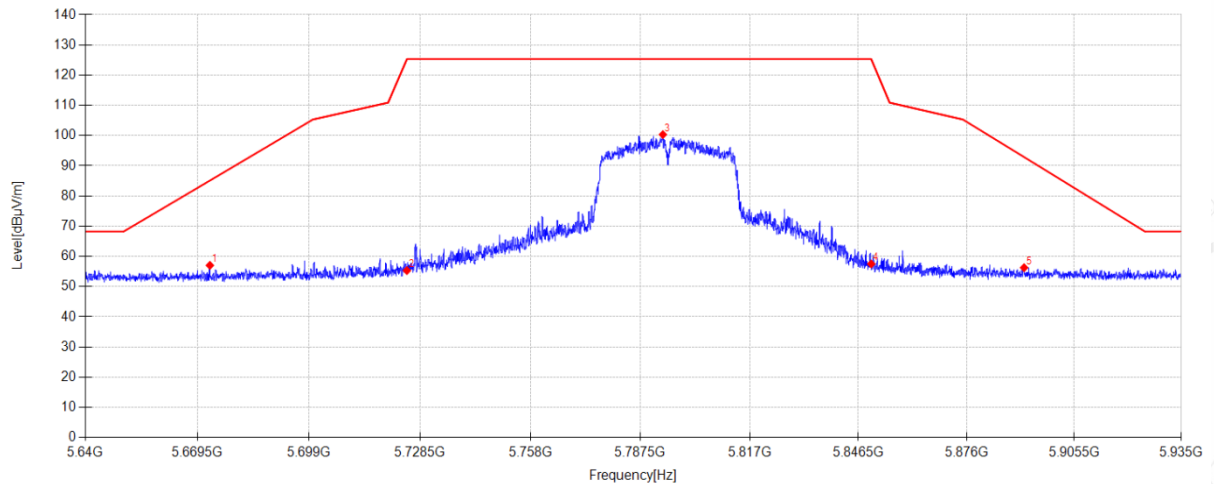
Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5709.502	55.60	33.66	6.03	-29.60	65.69	107.96	42.27	PK	Vertical
2	5725.000	57.48	33.75	6.03	-29.60	67.66	125.30	57.64	PK	Vertical
3	5759.033	91.91	33.95	6.05	-29.60	102.31	125.30	22.99	PK	Vertical
4	5850.000	45.36	34.00	6.10	-29.60	55.86	125.30	69.44	PK	Vertical
5	5908.244	46.46	34.12	6.13	-29.60	57.11	80.63	23.52	PK	Vertical

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- 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: 2025-09-01 **Tested By:** Nan Zhong
EUT: Meter **Model Number:** 5HY1-41
Test Mode: TX AC40 5795MHz 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 5.8G\33
Memo: Number:S25072135-002 Power setting:20

**Suspected Data List**

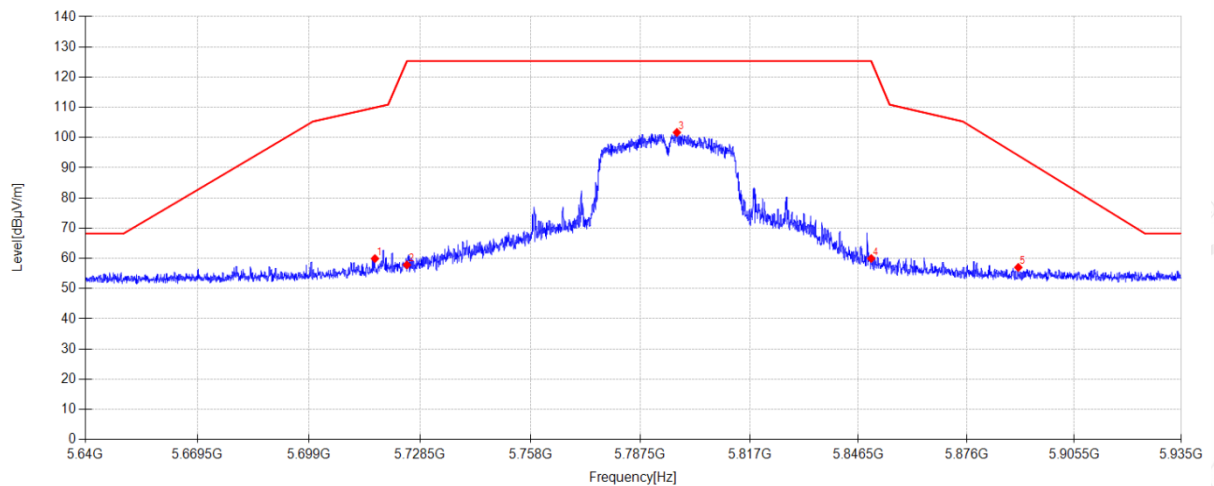
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5672.775	47.13	33.49	6.01	-29.60	57.03	85.10	28.07	PK	Horizontal
2	5725.000	45.12	33.75	6.03	-29.60	55.30	125.30	70.00	PK	Horizontal
3	5793.577	89.68	34.16	6.07	-29.60	100.31	125.30	24.99	PK	Horizontal
4	5850.000	47.00	34.00	6.10	-29.60	57.50	125.30	67.80	PK	Horizontal
5	5891.753	45.66	34.08	6.12	-29.60	56.26	92.87	36.61	PK	Horizontal

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- 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: 2025-09-01 **Tested By:** Nan Zhong
EUT: Meter **Model Number:** 5HY1-41
Test Mode: TX AC40 5795MHz 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 5.8G\34
Memo: Number:S25072135-002 Power setting:20



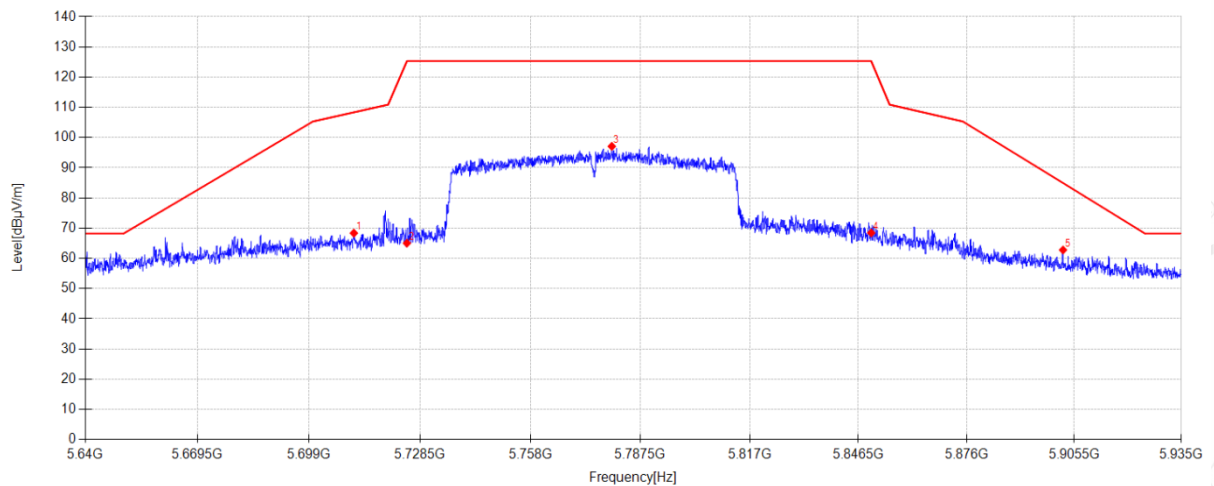
Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5716.494	49.79	33.70	6.03	-29.60	59.92	109.92	50.00	PK	Vertical
2	5725.000	47.65	33.75	6.03	-29.60	57.83	125.30	67.47	PK	Vertical
3	5797.353	91.04	34.18	6.07	-29.60	101.69	125.30	23.61	PK	Vertical
4	5850.000	49.46	34.00	6.10	-29.60	59.96	125.30	65.34	PK	Vertical
5	5890.160	46.40	34.08	6.12	-29.60	57.00	94.05	37.05	PK	Vertical

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- 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: 2025-09-01 **Tested By:** Nan Zhong
EUT: Meter **Model Number:** 5HY1-41
Test Mode: TX AC80 5775MHz 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 5.8G\35
Memo: Number:S25072135-002 Power setting:20

**Suspected Data List**

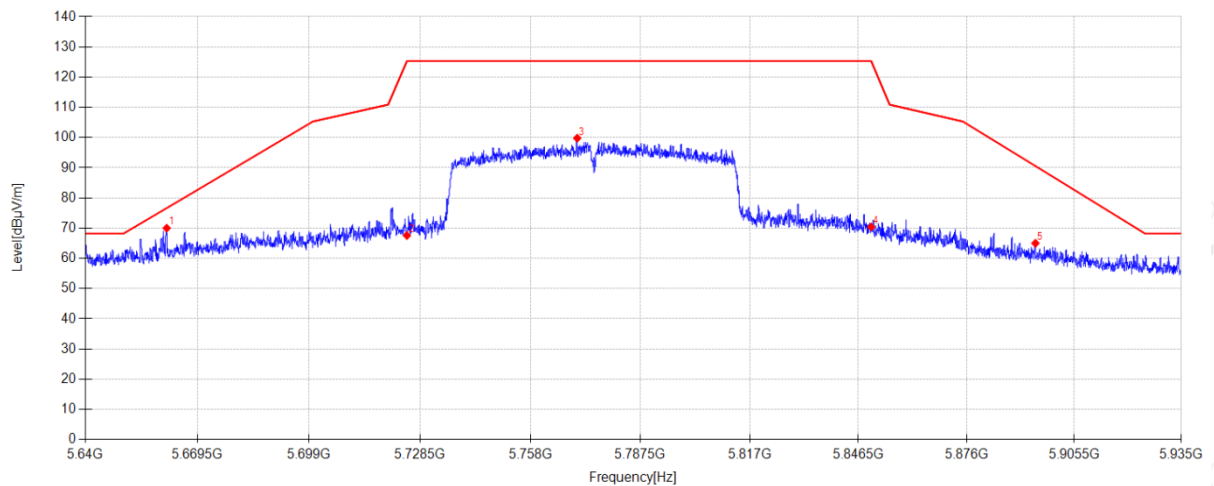
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5710.889	58.25	33.67	6.03	-29.60	68.35	108.35	40.00	PK	Horizontal
2	5725.000	54.84	33.75	6.03	-29.60	65.02	125.30	60.28	PK	Horizontal
3	5779.830	86.54	34.08	6.06	-29.60	97.08	125.30	28.22	PK	Horizontal
4	5850.000	57.93	34.00	6.10	-29.60	68.43	125.30	56.87	PK	Horizontal
5	5902.432	52.15	34.10	6.13	-29.60	62.78	84.95	22.17	PK	Horizontal

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- 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: 2025-09-01 **Tested By:** Nan Zhong
EUT: Meter **Model Number:** 5HY1-41
Test Mode: TX AC80 5775MHz 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 5.8G\36
Memo: Number:S25072135-002 Power setting:20



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	5661.388	60.16	33.45	6.00	-29.60	70.01	76.65	6.64	PK	Vertical
2	5725.000	57.38	33.75	6.03	-29.60	67.56	125.30	57.74	PK	Vertical
3	5770.538	89.31	34.02	6.06	-29.60	99.79	125.30	25.51	PK	Vertical
4	5850.000	59.91	34.00	6.10	-29.60	70.41	125.30	54.89	PK	Vertical
5	5894.851	54.38	34.09	6.12	-29.60	64.99	90.57	25.58	PK	Vertical

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- 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:

2025-09-01

Tested By:

Nan Zhong

EUT:

Meter

Model Number:

5HY1-41

Test Mode:

TX N40 5755MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.8°C;Humi:57.5%

Test Site:

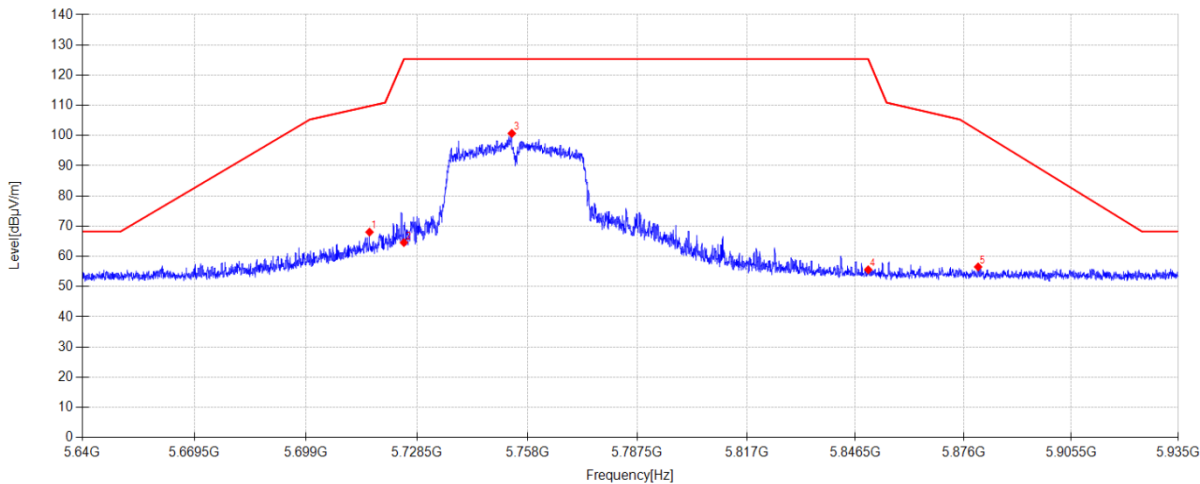
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25072135\FCC ABOVE1G 5.8G\37

Memo:

Number:S25072135-002 Power setting:20



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	5715.845	57.91	33.70	6.03	-29.60	68.04	109.74	41.70	PK	Horizontal
2	5725.000	54.38	33.75	6.03	-29.60	64.56	125.30	60.74	PK	Horizontal
3	5753.811	90.33	33.92	6.05	-29.60	100.70	125.30	24.60	PK	Horizontal
4	5850.000	45.08	34.00	6.10	-29.60	55.58	125.30	69.72	PK	Horizontal
5	5879.983	45.92	34.06	6.12	-29.60	56.50	101.60	45.10	PK	Horizontal

Note:

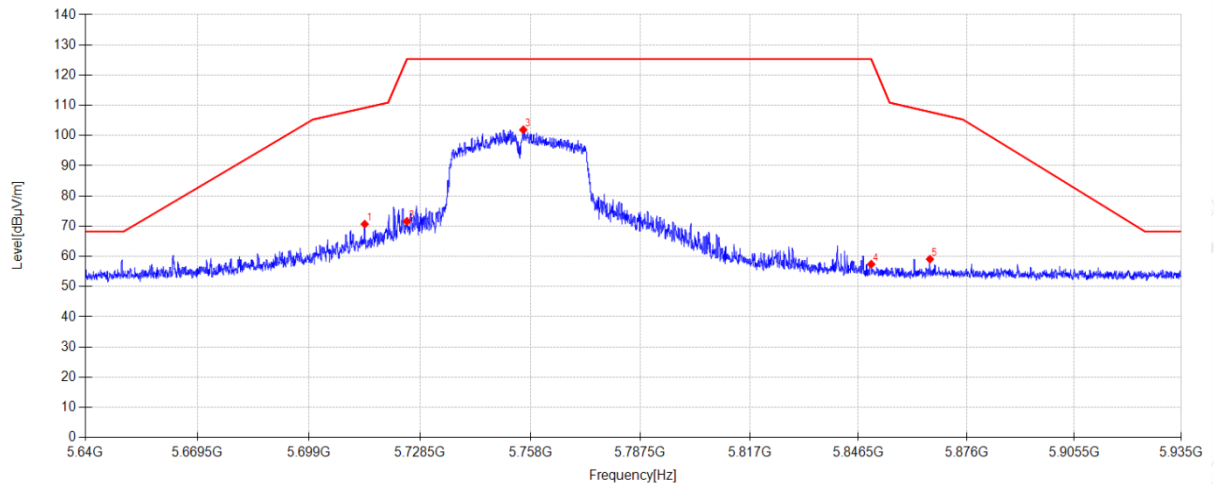
1. Level = Reading + Cable loss + Antenna Factor + AMP

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 N40 5755MHz 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 5.8G\38
Memo: Number:S25072135-002 Power setting:20

**Suspected Data List**

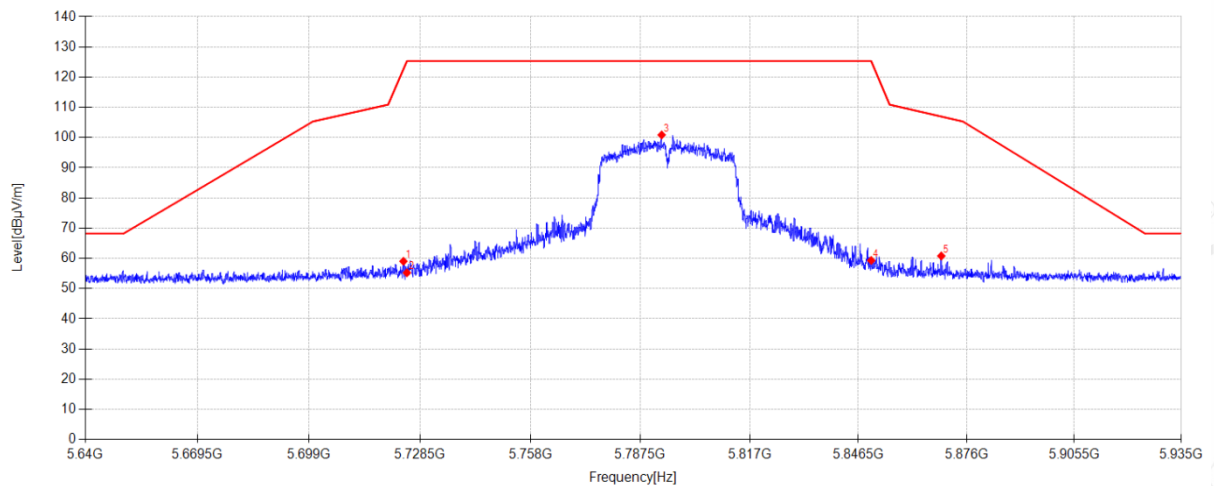
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5713.780	60.55	33.68	6.03	-29.60	70.66	109.16	38.50	PK	Vertical
2	5725.000	61.42	33.75	6.03	-29.60	71.60	125.30	53.70	PK	Vertical
3	5756.083	91.51	33.94	6.05	-29.60	101.90	125.30	23.40	PK	Vertical
4	5850.000	46.90	34.00	6.10	-29.60	57.40	125.30	67.90	PK	Vertical
5	5866.000	48.53	34.03	6.11	-29.60	59.07	107.82	48.75	PK	Vertical

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- 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: 2025-09-01 **Tested By:** Nan Zhong
EUT: Meter **Model Number:** 5HY1-41
Test Mode: TX N40 5795MHz 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 5.8G\39
Memo: Number:S25072135-002 Power setting:20

**Suspected Data List**

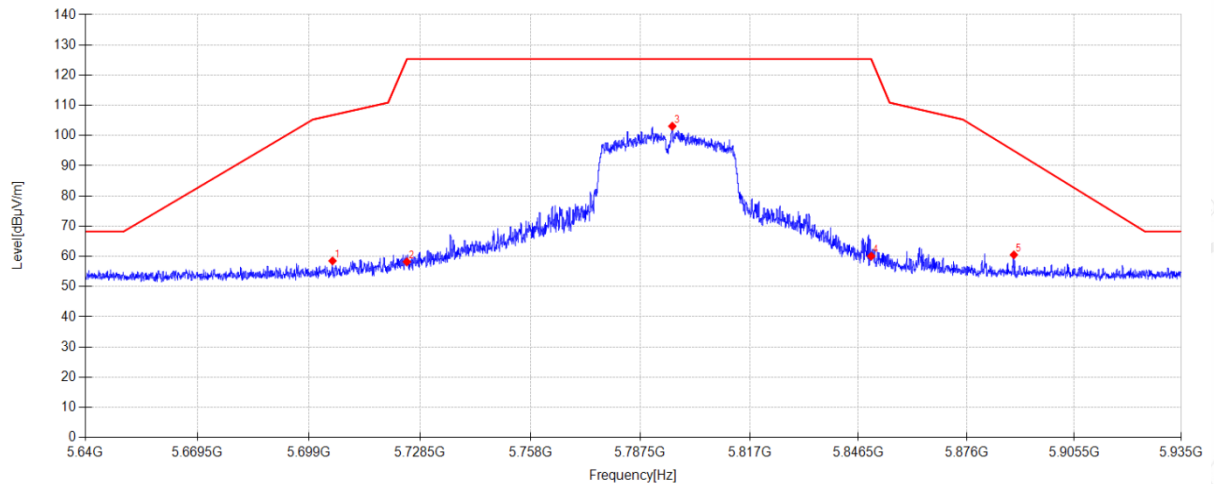
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5724.075	48.86	33.74	6.03	-29.60	59.03	122.64	63.61	PK	Horizontal
2	5725.000	45.05	33.75	6.03	-29.60	55.23	125.30	70.07	PK	Horizontal
3	5793.253	90.23	34.16	6.07	-29.60	100.86	125.30	24.44	PK	Horizontal
4	5850.000	48.81	34.00	6.10	-29.60	59.31	125.30	65.99	PK	Horizontal
5	5869.097	50.23	34.04	6.11	-29.60	60.78	106.95	46.17	PK	Horizontal

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- 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: 2025-09-01 **Tested By:** Nan Zhong
EUT: Meter **Model Number:** 5HY1-41
Test Mode: TX N40 5795MHz 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 5.8G\40
Memo: Number:S25072135-002 Power setting:20

**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	5705.225	48.45	33.63	6.02	-29.60	58.50	106.76	48.26	PK	Vertical
2	5725.000	48.02	33.75	6.03	-29.60	58.20	125.30	67.10	PK	Vertical
3	5796.114	92.44	34.18	6.07	-29.60	103.09	125.30	22.21	PK	Vertical
4	5850.000	49.57	34.00	6.10	-29.60	60.07	125.30	65.23	PK	Vertical
5	5888.951	49.91	34.08	6.12	-29.60	60.51	94.95	34.44	PK	Vertical

Note:

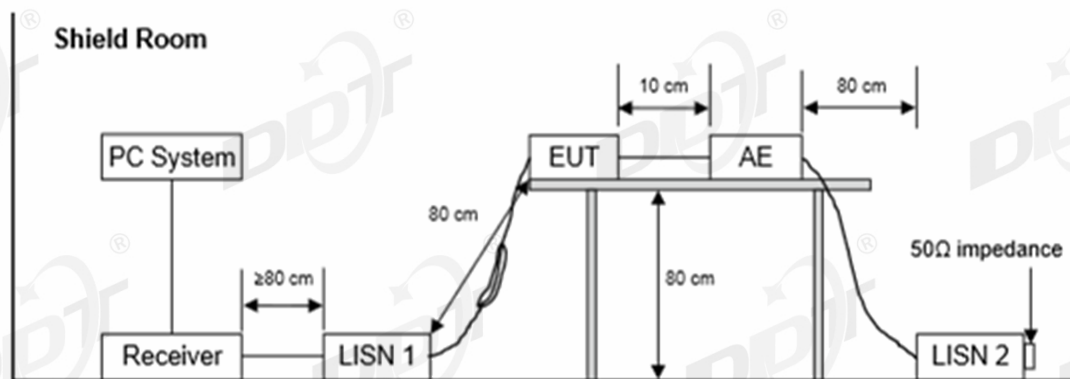
- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

13. Power Line Conducted Emissions

13.1. Test equipment

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

13.2. Block diagram of test setup



13.3. Limits

Frequency	Quasi-Peak Level dB(uV)	Average Level dB(uV)
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.

13.4. Assistant equipment used for test

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

13.5. 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.

13.6. Test result

Not applicable. Product is DC powered.

15. Photos of the EUT

Please refer to appendix I

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