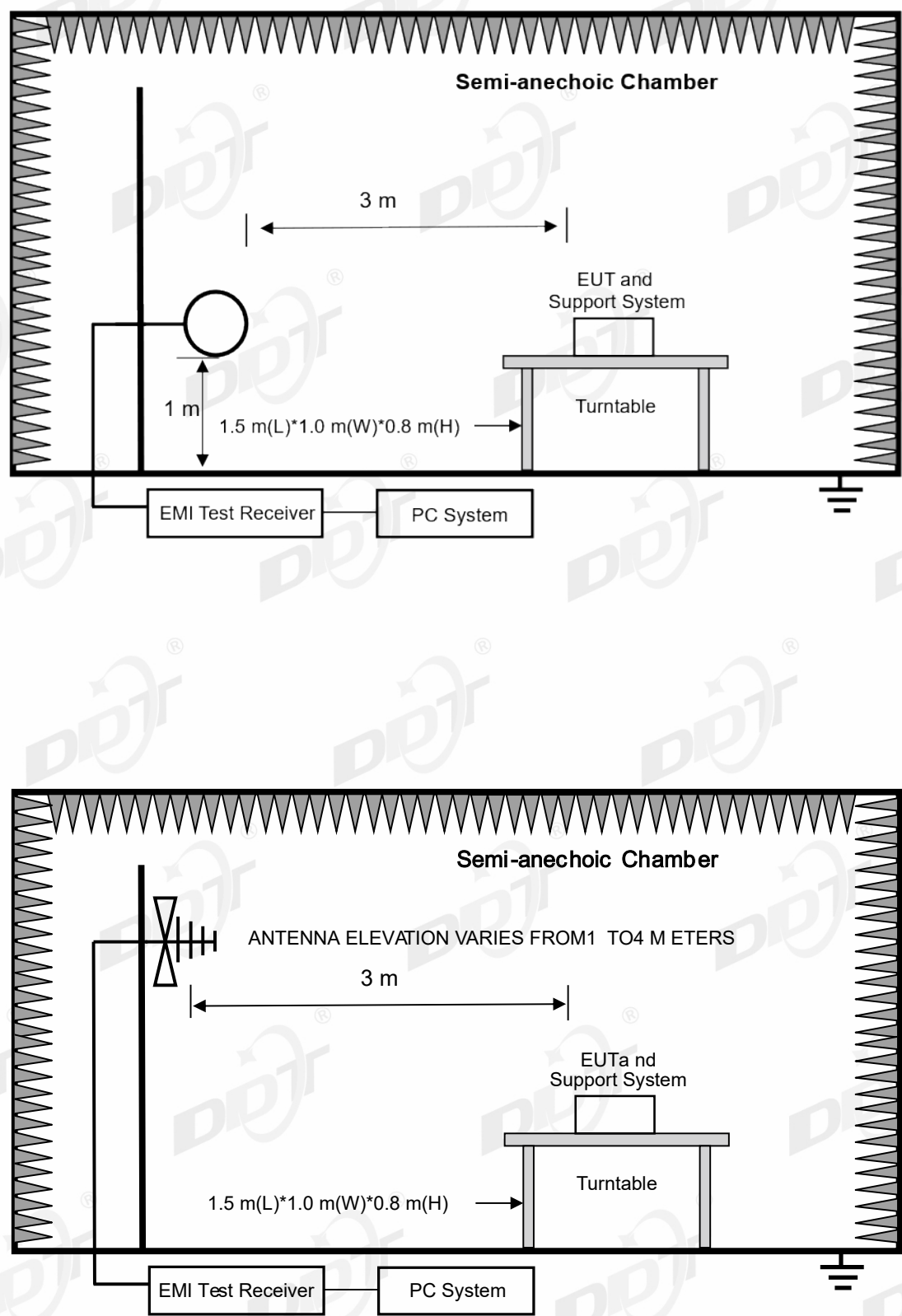
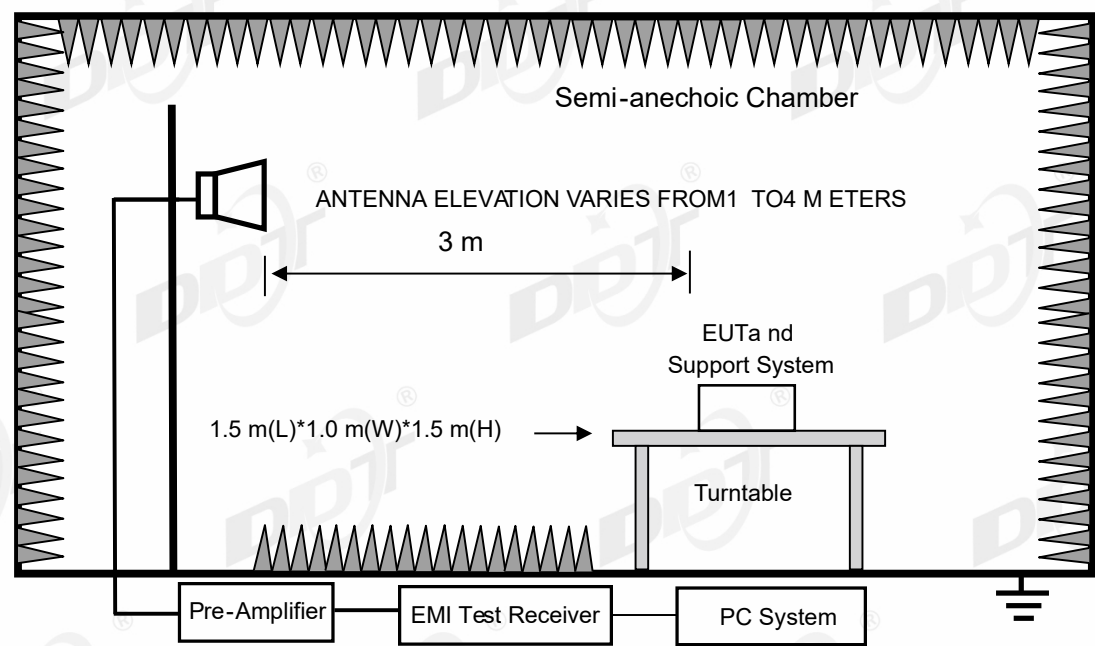


10.2. Block diagram of test setup





10.3. 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	Magnetic field strength (H-Field) ($\mu\text{A/m}$)	Measurement distance (m)
9 - 490 kHz ¹	6.37/F (F in kHz)	300
490 - 1705 kHz	63.7/F (F in kHz)	30
1.705 - 30 MHz	0.08	30

Note 1: The emission limits for the ranges 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector.

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		$\mu\text{V/m}$	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:

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

(3) Limit for this EUT

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

10.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
Notebook	Lenovo	i5-5300U	Test computer	/
DC Power Source	Varied	RU-150-30050	DC stabilized power supply	/

10.5. 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 30 MHz, the triglog Broadband Antenna or Horn Antenna was located 3 m 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 1 GHz, 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 40 GHz, so the final test was performed with frequency range from 30 MHz to 18 GHz and recorded in below.

(10) 30 MHz ~ 40 GHz: (Scan with all mode, the worst case is record and report)

(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 the worst mode.

10.6. Test result

PASS. (See below detailed test result)

10.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-10-15

Tested By:

Lin Guoyuan

EUT:

Meter

Model Number:

6WX0-20

Test Mode:

TX 11N20 5745MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

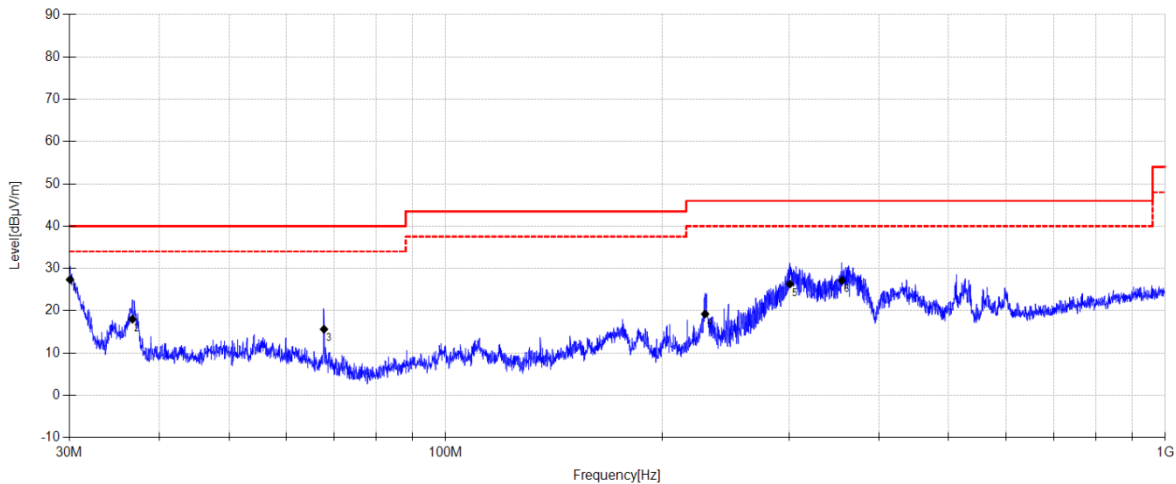
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25072134\FCC BELOW 1G\9

Memo:

Sample Numbel:S25072134-003



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	30.063	45.39	10.49	3.78	27.36	40.00	12.64	QP	Horizontal
2	36.713	34.31	12.11	3.87	17.99	40.00	22.01	QP	Horizontal
3	67.759	33.17	10.60	4.15	15.62	40.00	24.38	QP	Horizontal
4	229.361	34.52	12.11	5.00	19.23	46.00	26.77	QP	Horizontal
5	300.861	39.79	13.65	5.28	26.32	46.00	19.68	QP	Horizontal
6	355.252	38.91	15.19	5.52	27.16	46.00	18.84	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:

2025-10-15

Tested By:

Lin Guoyuan

EUT:

Meter

Model Number:

6WX0-20

Test Mode:

TX 11N20 5745MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

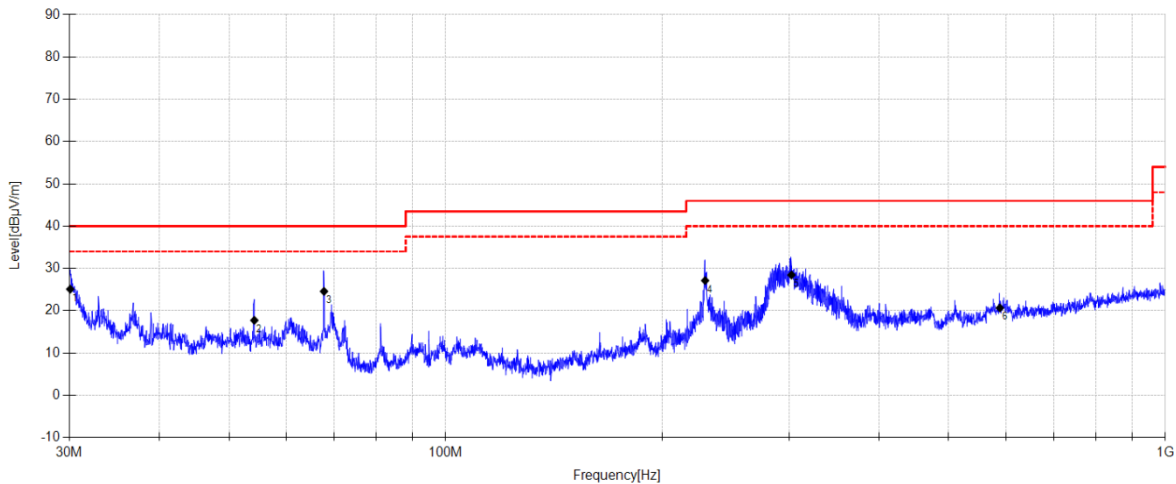
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25072134\FCC BELOW 1G\10

Memo:

Sample Numbler:S25072134-003



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	30.084	43.14	10.48	3.78	25.10	40.00	14.90	QP	Vertical
2	54.217	32.77	13.25	4.01	17.73	40.00	22.27	QP	Vertical
3	67.759	42.13	10.60	4.15	24.58	40.00	15.42	QP	Vertical
4	229.361	42.42	12.11	5.00	27.13	46.00	18.87	QP	Vertical
5	302.341	41.83	13.74	5.29	28.46	46.00	17.54	QP	Vertical
6	588.967	28.14	18.98	6.36	20.66	46.00	25.34	QP	Vertical

Note:

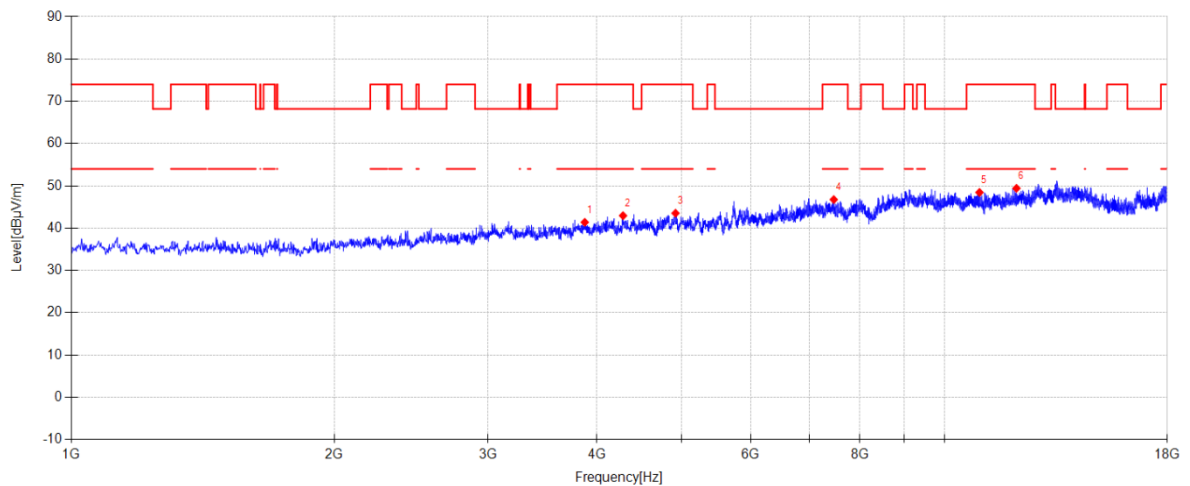
1. Result Level = Reading + Cable loss + Antenna Factor + AMP

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: 2025-10-20 **Tested By:** Lin Guoyuan
EUT: Meter **Model Number:** 6WX0-20
Test Mode: TX 11N20 5745MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.5°C;Humi:53.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25072134\FCC ABOVE 1G 5.8G\1
Memo: Sample Numbler:S25072134-003

**Suspected Data List**

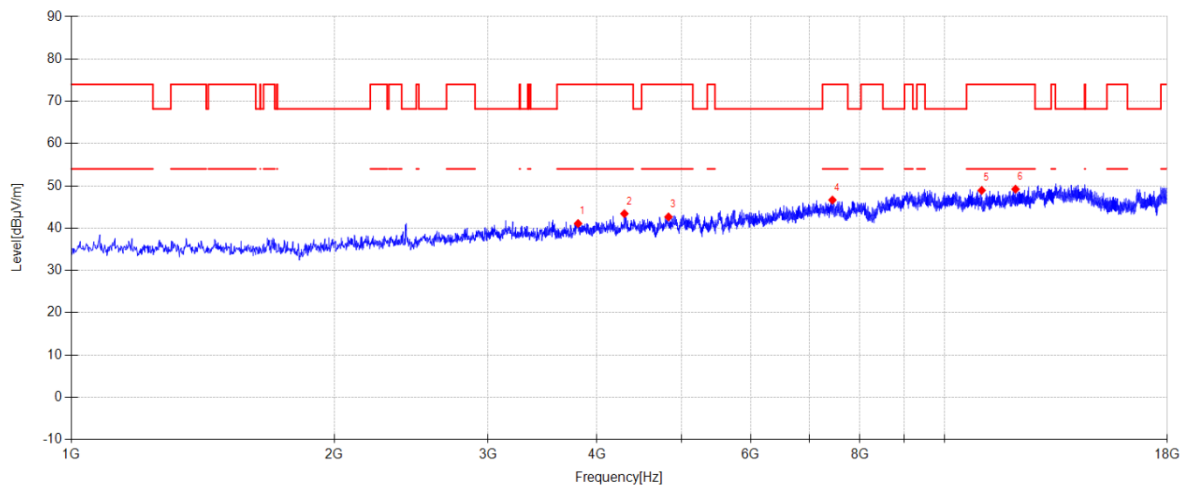
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3873.000	46.03	30.58	4.42	-39.65	41.38	74.00	32.62	PK	Horizontal
2	4284.400	46.33	31.75	4.60	-39.73	42.95	74.00	31.05	PK	Horizontal
3	4920.200	45.30	33.10	4.92	-39.79	43.53	74.00	30.47	PK	Horizontal
4	7468.500	43.80	36.71	6.10	-39.85	46.76	74.00	27.24	PK	Horizontal
5	10967.100	41.18	39.67	7.20	-39.60	48.45	74.00	25.55	PK	Horizontal
6	12090.800	41.79	39.45	7.71	-39.53	49.42	74.00	24.58	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: 2025-10-20 **Tested By:** Lin Guoyuan
EUT: Meter **Model Number:** 6WX0-20
Test Mode: TX 11N20 5745MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.5°C;Humi:53.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25072134\FCC ABOVE 1G 5.8G\2
Memo: Sample Numbler:S25072134-003

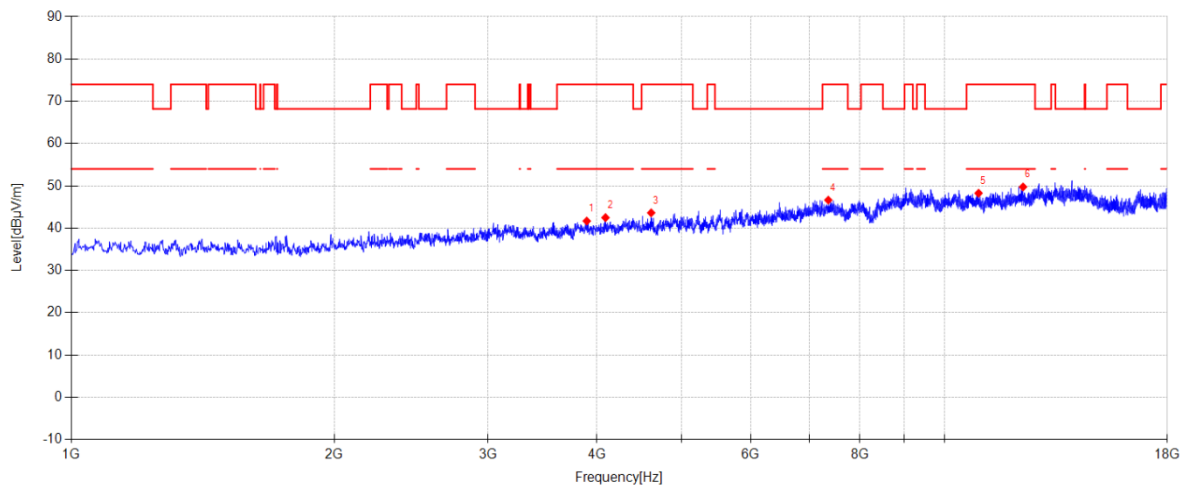
**Suspected Data List**

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	3805.000	45.48	30.84	4.40	-39.62	41.10	74.00	32.90	PK	Vertical
2	4299.700	46.53	32.00	4.61	-39.73	43.41	74.00	30.59	PK	Vertical
3	4830.100	44.97	32.58	4.88	-39.78	42.65	74.00	31.35	PK	Vertical
4	7441.300	43.80	36.62	6.09	-39.86	46.65	74.00	27.35	PK	Vertical
5	11031.700	41.86	39.45	7.22	-39.60	48.93	74.00	25.07	PK	Vertical
6	12060.200	41.75	39.30	7.72	-39.55	49.22	74.00	24.78	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

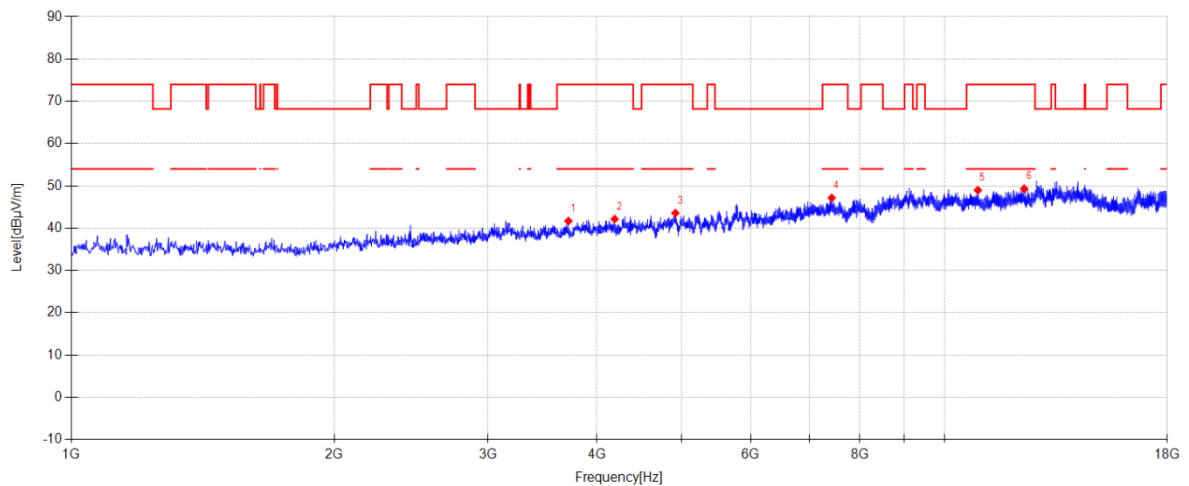
Test Date: 2025-10-20**Tested By:** Lin Guoyuan**EUT:** Meter**Model Number:** 6WX0-20**Test Mode:** TX 11N20 5785MHz Mode**Power Supply:** DC 12V**Condition:** Temp:22.5°C;Humi:53.4%**Test Site:** DDT 3# Chamber**File Path:** d:\ts\2025 report date\Q25072134\FCC ABOVE 1G 5.8G\3**Memo:** Sample Numbler:S25072134-003**Suspected 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	3893.400	46.09	30.82	4.43	-39.66	41.68	74.00	32.32	PK	Horizontal
2	4090.600	46.57	31.12	4.51	-39.71	42.49	74.00	31.51	PK	Horizontal
3	4614.200	47.12	31.49	4.77	-39.76	43.62	74.00	30.38	PK	Horizontal
4	7361.400	43.50	36.93	6.07	-39.86	46.64	74.00	27.36	PK	Horizontal
5	10941.600	41.04	39.64	7.20	-39.61	48.27	74.00	25.73	PK	Horizontal
6	12303.300	42.02	39.39	7.70	-39.36	49.75	74.00	24.25	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

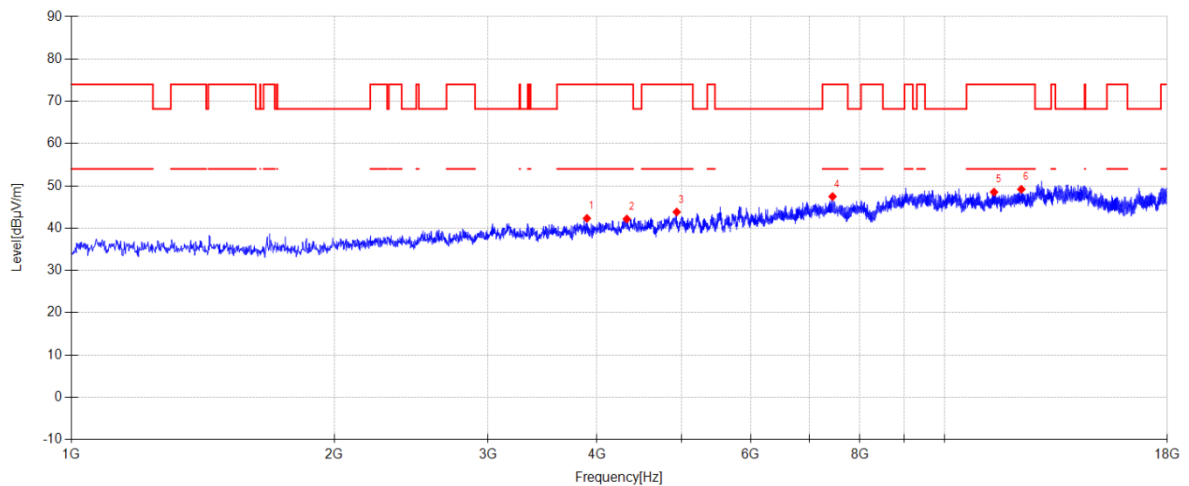
Test Date: 2025-10-20**Tested By:** Lin Guoyuan**EUT:** Meter**Model Number:** 6WX0-20**Test Mode:** TX 11N20 5785MHz Mode**Power Supply:** DC 12V**Condition:** Temp:22.5°C;Humi:53.4%**Test Site:** DDT 3# Chamber**File Path:** d:\ts\2025 report date\Q25072134\FCC ABOVE 1G 5.8G\4**Memo:** Sample Numbler:S25072134-003**Suspected 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	3709.800	47.02	29.88	4.37	-39.58	41.69	74.00	32.31	PK	Vertical
2	4190.900	46.22	31.09	4.56	-39.72	42.15	74.00	31.85	PK	Vertical
3	4918.500	45.33	33.10	4.92	-39.79	43.56	74.00	30.44	PK	Vertical
4	7427.700	44.28	36.64	6.09	-39.86	47.15	74.00	26.85	PK	Vertical
5	10922.900	41.76	39.62	7.20	-39.61	48.97	74.00	25.03	PK	Vertical
6	12339.000	41.68	39.28	7.70	-39.33	49.33	74.00	24.67	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: 2025-10-20**Tested By:** Lin Guoyuan**EUT:** Meter**Model Number:** 6WX0-20**Test Mode:** TX 11N20 5825MHz Mode**Power Supply:** DC 12V**Condition:** Temp:22.5°C;Humi:53.4%**Test Site:** DDT 3# Chamber**File Path:** d:\ts\2025 report date\Q25072134\FCC ABOVE 1G 5.8G\5**Memo:** Sample Numbler:S25072134-003**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	3895.100	46.71	30.84	4.43	-39.66	42.32	74.00	31.68	PK	Horizontal
2	4326.900	45.66	31.62	4.62	-39.73	42.17	74.00	31.83	PK	Horizontal
3	4935.500	45.58	33.10	4.93	-39.79	43.82	74.00	30.18	PK	Horizontal
4	7444.700	44.64	36.61	6.09	-39.86	47.48	74.00	26.52	PK	Horizontal
5	11397.200	40.95	39.77	7.41	-39.60	48.53	74.00	25.47	PK	Horizontal
6	12247.200	41.60	39.29	7.70	-39.40	49.19	74.00	24.81	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:

2025-10-20

Tested By:

Lin Guoyuan

EUT:

Meter

Model Number:

6WX0-20

Test Mode:

TX 11N20 5825MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.5°C;Humi:53.4%

Test Site:

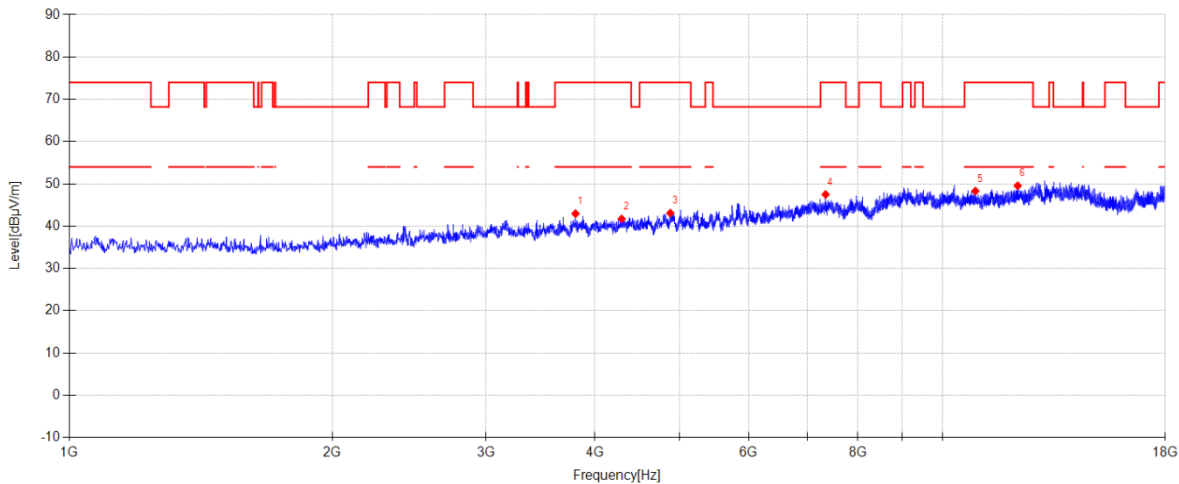
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25072134\FCC ABOVE 1G 5.8G\6

Memo:

Sample Numbler:S25072134-003



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	3799.900	47.28	30.90	4.40	-39.62	42.96	74.00	31.04	PK	Vertical
2	4291.200	44.97	31.86	4.61	-39.73	41.71	74.00	32.29	PK	Vertical
3	4879.400	44.95	33.02	4.90	-39.79	43.08	74.00	30.92	PK	Vertical
4	7347.800	44.30	37.00	6.06	-39.87	47.49	74.00	26.51	PK	Vertical
5	10905.900	41.09	39.61	7.20	-39.61	48.29	74.00	25.71	PK	Vertical
6	12194.500	42.07	39.22	7.71	-39.44	49.56	74.00	24.44	PK	Vertical

Note:

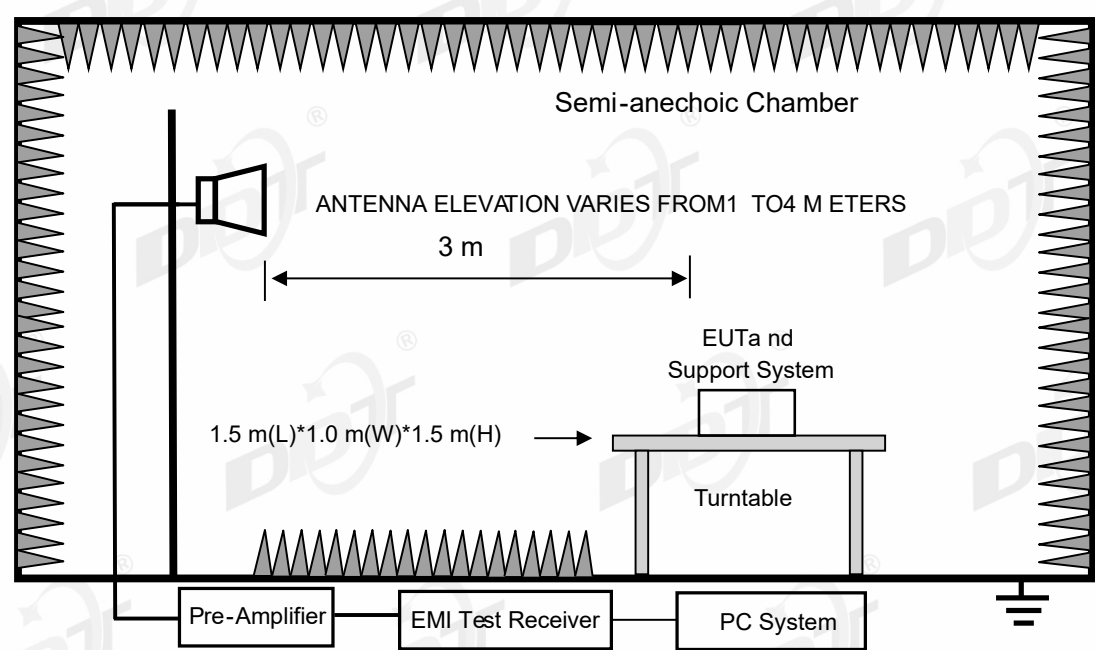
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

11. Band Edge Compliance

11.1. Test equipment

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

11.2. Block diagram of test setup



11.3. 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.

11.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
Notebook	Lenovo	i5-5300U	Test computer	/
DC Power Source	Varied	RU-150-30050	DC stabilized power supply	/

11.5. 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.

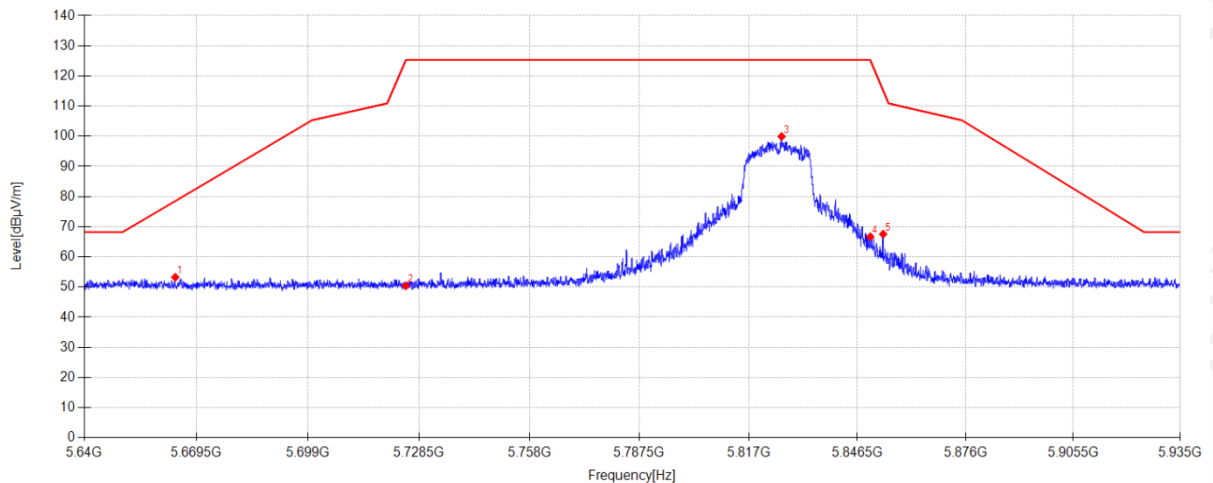
11.6. Test result

PASS. (See below detailed test result)

11.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date: 2025-10-20 **Tested By:** Lin Guoyuan
EUT: Meter **Model Number:** 6WX0-20
Test Mode: TX 11N20 5825MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.5°C;Humi:53.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25072134\FCC ABOVE 1G 5.8G\9
Memo: Sample Numbler:S25072134-003



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	5663.895	44.29	33.39	5.24	-29.67	53.25	78.51	25.26	PK	Horizontal
2	5725.000	41.35	33.45	5.26	-29.65	50.41	125.30	74.89	PK	Horizontal
3	5825.939	90.36	33.90	5.30	-29.63	99.93	125.30	25.37	PK	Horizontal
4	5850.000	57.10	33.90	5.31	-29.63	66.68	125.30	58.62	PK	Horizontal
5	5853.521	57.94	33.93	5.31	-29.63	67.55	115.16	47.61	PK	Horizontal

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-10-20

Tested By:

Lin Guoyuan

EUT:

Meter

Model Number:

6WX0-20

Test Mode:

TX 11N20 5825MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.5°C;Humi:53.4%

Test Site:

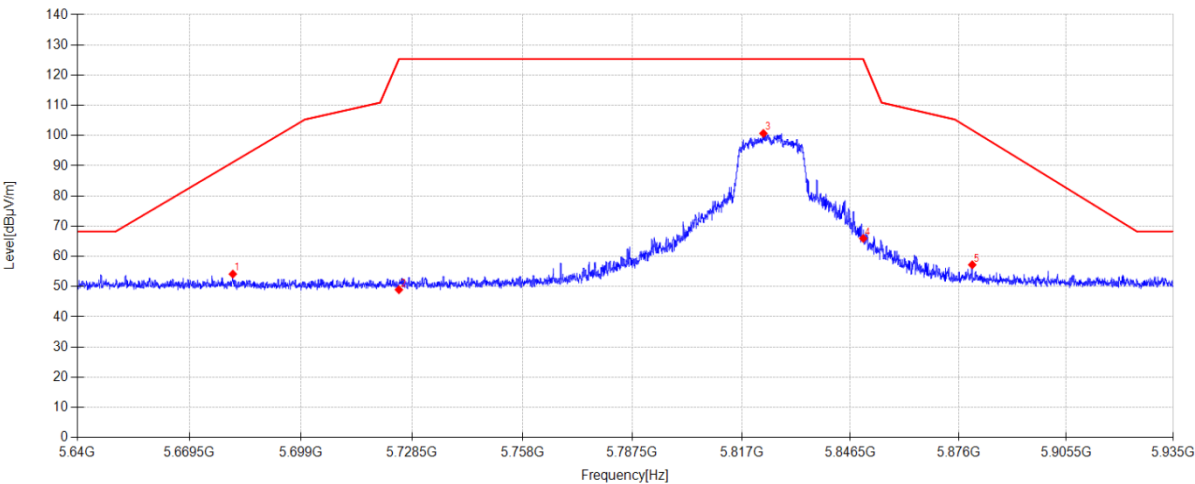
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25072134\FCC ABOVE 1G 5.8G\10

Memo:

Sample Numbler:S25072134-003



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	5680.946	45.31	33.25	5.24	-29.66	54.14	91.16	37.02	PK	Vertical
2	5725.000	39.89	33.45	5.26	-29.65	48.95	125.30	76.35	PK	Vertical
3	5822.900	91.14	33.90	5.30	-29.64	100.70	125.30	24.60	PK	Vertical
4	5850.000	56.37	33.90	5.31	-29.63	65.95	125.30	59.35	PK	Vertical
5	5879.747	47.37	34.14	5.32	-29.62	57.21	101.78	44.57	PK	Vertical

Note:

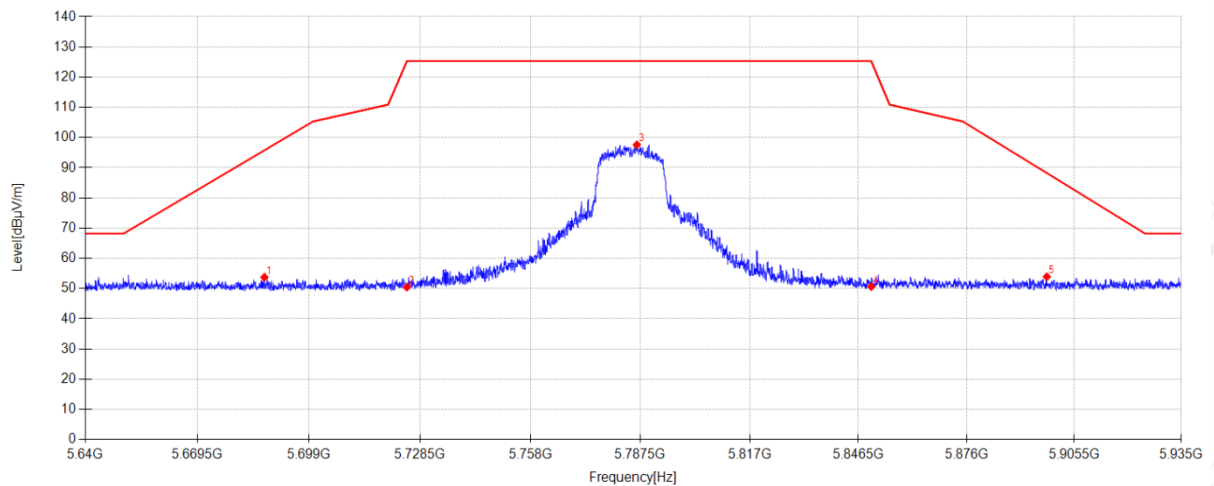
1. Level = Reading + Cable loss + Antenna Factor + AMP

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: 2025-10-20 **Tested By:** Lin Guoyuan
EUT: Meter **Model Number:** 6WX0-20
Test Mode: TX 11N20 5785MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.5°C;Humi:53.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25072134\FCC ABOVE 1G 5.8G\11
Memo: Sample Numbler:S25072134-003

**Suspected Data List**

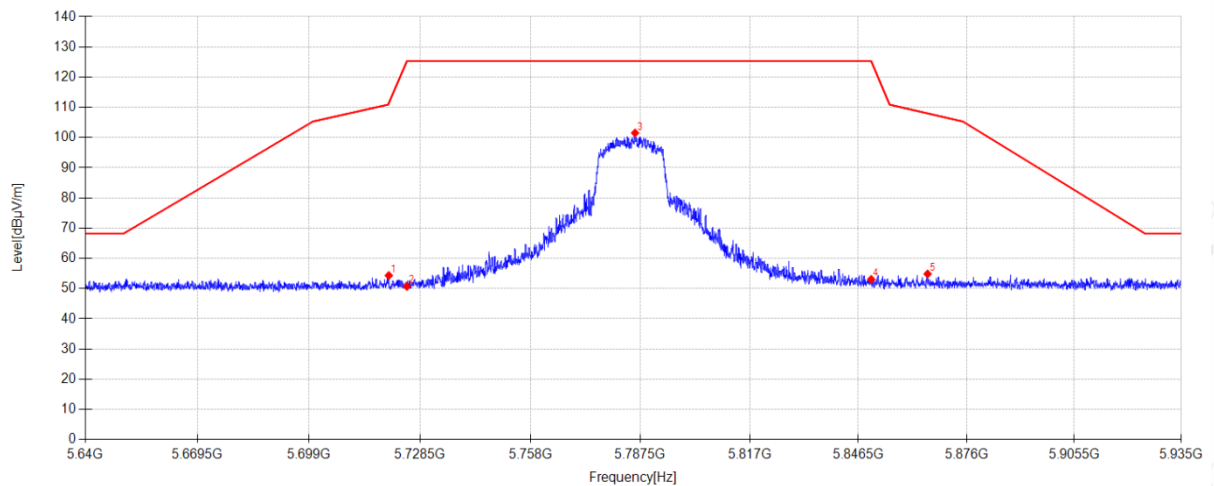
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5687.171	44.98	33.20	5.24	-29.66	53.76	95.78	42.02	PK	Horizontal
2	5725.000	41.40	33.45	5.26	-29.65	50.46	125.30	74.84	PK	Horizontal
3	5786.556	88.08	33.87	5.28	-29.64	97.59	125.30	27.71	PK	Horizontal
4	5850.000	41.07	33.90	5.31	-29.63	50.65	125.30	74.65	PK	Horizontal
5	5897.978	43.92	34.28	5.33	-29.62	53.91	88.25	34.34	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: 2025-10-20 **Tested By:** Lin Guoyuan
EUT: Meter **Model Number:** 6WX0-20
Test Mode: TX 11N20 5785MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.5°C;Humi:53.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25072134\FCC ABOVE 1G 5.8G\12
Memo: Sample Numbler:S25072134-003

**Suspected Data List**

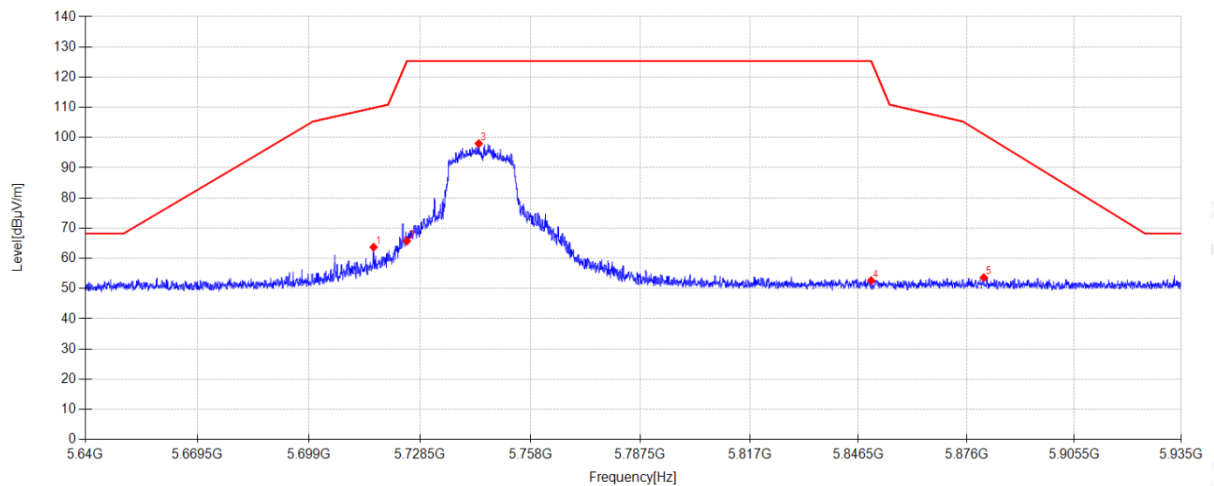
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5720.181	45.34	33.38	5.26	-29.66	54.32	111.42	57.10	PK	Vertical
2	5725.000	41.63	33.45	5.26	-29.65	50.69	125.30	74.61	PK	Vertical
3	5786.084	92.01	33.87	5.28	-29.64	101.52	125.30	23.78	PK	Vertical
4	5850.000	43.47	33.90	5.31	-29.63	53.05	125.30	72.25	PK	Vertical
5	5865.380	45.13	34.02	5.32	-29.63	54.84	107.99	53.15	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: 2025-10-20 **Tested By:** Lin Guoyuan
EUT: Meter **Model Number:** 6WX0-20
Test Mode: TX 11N20 5745MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.5°C;Humi:53.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25072134\FCC ABOVE 1G 5.8G\13
Memo: Sample Numbler:S25072134-003

**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	5716.140	54.78	33.33	5.26	-29.66	63.71	109.82	46.11	PK	Horizontal
2	5725.000	56.67	33.45	5.26	-29.65	65.73	125.30	59.57	PK	Horizontal
3	5744.165	88.67	33.72	5.27	-29.65	98.01	125.30	27.29	PK	Horizontal
4	5850.000	43.05	33.90	5.31	-29.63	52.63	125.30	72.67	PK	Horizontal
5	5880.720	43.79	34.15	5.32	-29.62	53.64	101.06	47.42	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:

2025-10-20

Tested By:

Lin Guoyuan

EUT:

Meter

Model Number:

6WX0-20

Test Mode:

TX 11N20 5745MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.5°C;Humi:53.4%

Test Site:

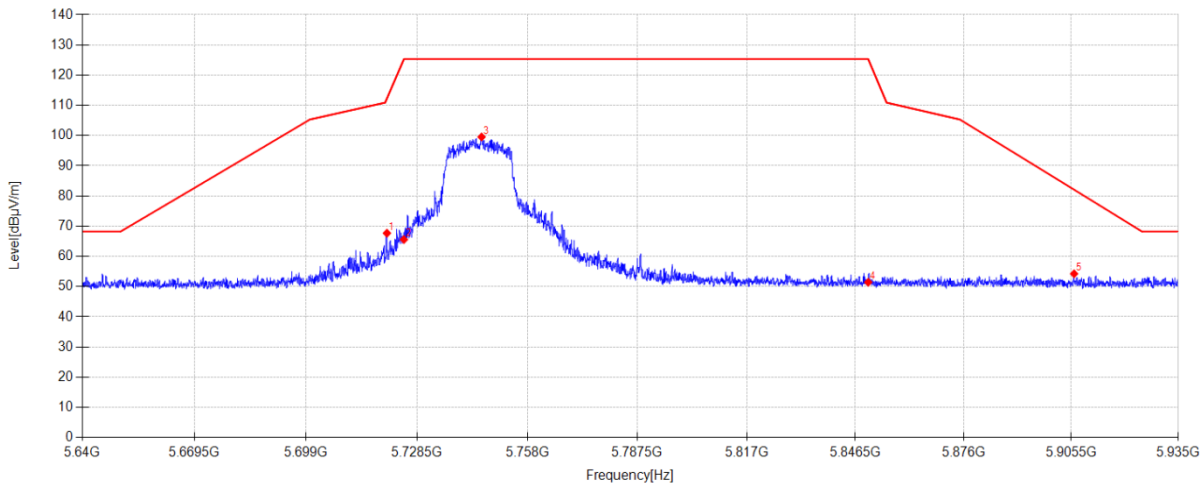
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25072134\FCC ABOVE 1G 5.8G\14

Memo:

Sample Numbler:S25072134-003



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	5720.476	58.69	33.39	5.26	-29.66	67.68	112.27	44.59	PK	Vertical
2	5725.000	56.52	33.45	5.26	-29.65	65.58	125.30	59.72	PK	Vertical
3	5745.728	90.18	33.74	5.27	-29.65	99.54	125.30	25.76	PK	Vertical
4	5850.000	41.86	33.90	5.31	-29.63	51.44	125.30	73.86	PK	Vertical
5	5906.297	44.22	34.31	5.33	-29.62	54.24	82.08	27.84	PK	Vertical

Note:

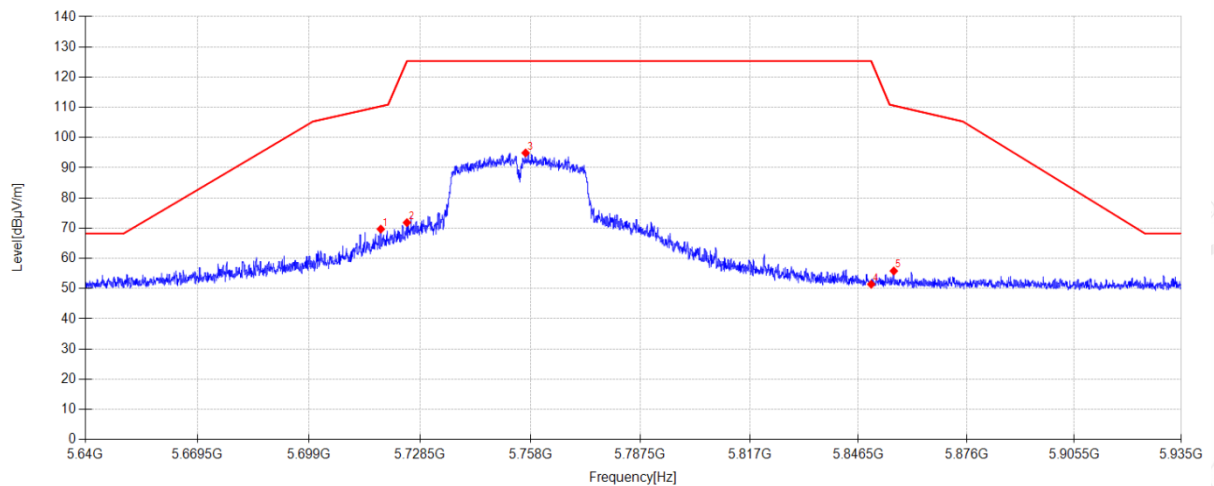
1. Level = Reading + Cable loss + Antenna Factor + AMP

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: 2025-10-20 **Tested By:** Lin Guoyuan
EUT: Meter **Model Number:** 6WX0-20
Test Mode: TX 11N40 5755MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.5°C;Humi:53.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25072134\FCC ABOVE 1G 5.8G\15
Memo: Sample Numbler:S25072134-003

**Suspected Data List**

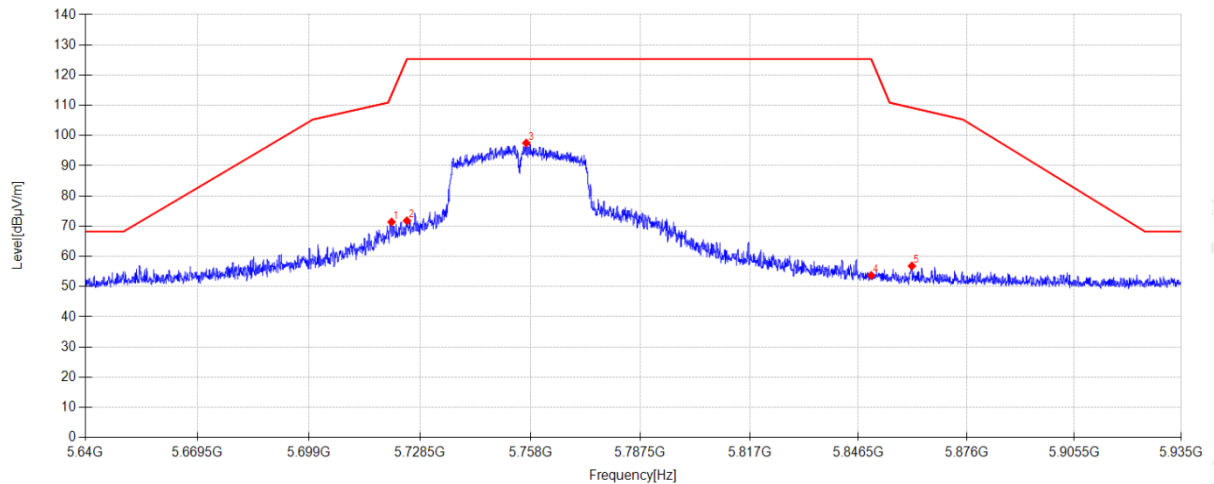
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5718.057	60.73	33.35	5.26	-29.66	69.68	110.36	40.68	PK	Horizontal
2	5725.000	62.78	33.45	5.26	-29.65	71.84	125.30	53.46	PK	Horizontal
3	5756.702	85.47	33.81	5.27	-29.65	94.90	125.30	30.40	PK	Horizontal
4	5850.000	41.85	33.90	5.31	-29.63	51.43	125.30	73.87	PK	Horizontal
5	5856.147	46.20	33.95	5.31	-29.63	55.83	110.58	54.75	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: 2025-10-20 **Tested By:** Lin Guoyuan
EUT: Meter **Model Number:** 6WX0-20
Test Mode: TX 11N40 5755MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.5°C;Humi:53.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25072134\FCC ABOVE 1G 5.8G\16
Memo: Sample Numbler:S25072134-003

**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	5720.919	62.38	33.39	5.26	-29.66	71.37	113.55	42.18	PK	Vertical
2	5725.000	62.73	33.45	5.26	-29.65	71.79	125.30	53.51	PK	Vertical
3	5756.879	88.08	33.81	5.27	-29.65	97.51	125.30	27.79	PK	Vertical
4	5850.000	44.12	33.90	5.31	-29.63	53.70	125.30	71.60	PK	Vertical
5	5861.073	47.14	33.99	5.31	-29.63	56.81	109.20	52.39	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:

2025-10-20

Tested By:

Lin Guoyuan

EUT:

Meter

Model Number:

6WX0-20

Test Mode:

TX 11N40 5795MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.5°C;Humi:53.4%

Test Site:

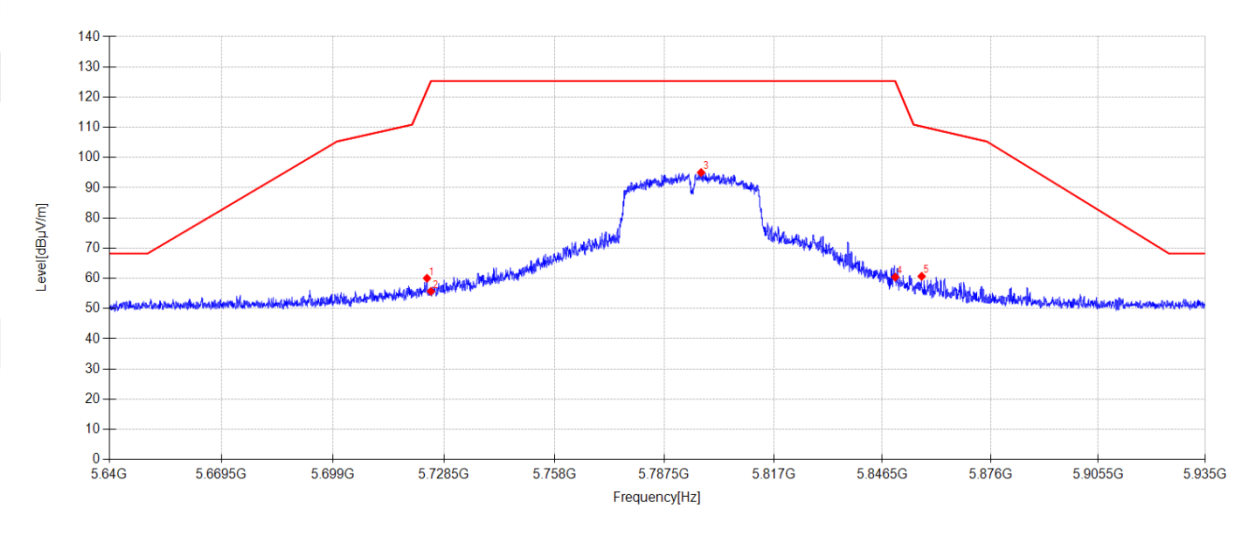
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25072134\FCC ABOVE 1G 5.8G\17

Memo:

Sample Numbler:S25072134-003



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	5723.957	50.99	33.44	5.26	-29.66	60.03	122.30	62.27	PK	Horizontal
2	5725.000	46.64	33.45	5.26	-29.65	55.70	125.30	69.60	PK	Horizontal
3	5797.412	85.51	33.89	5.29	-29.64	95.05	125.30	30.25	PK	Horizontal
4	5850.000	50.84	33.90	5.31	-29.63	60.42	125.30	64.88	PK	Horizontal
5	5857.209	51.04	33.96	5.31	-29.63	60.68	110.28	49.60	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:

2025-10-20

Tested By:

Lin Guoyuan

EUT:

Meter

Model Number:

6WX0-20

Test Mode:

TX 11N40 5795MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.5°C;Humi:53.4%

Test Site:

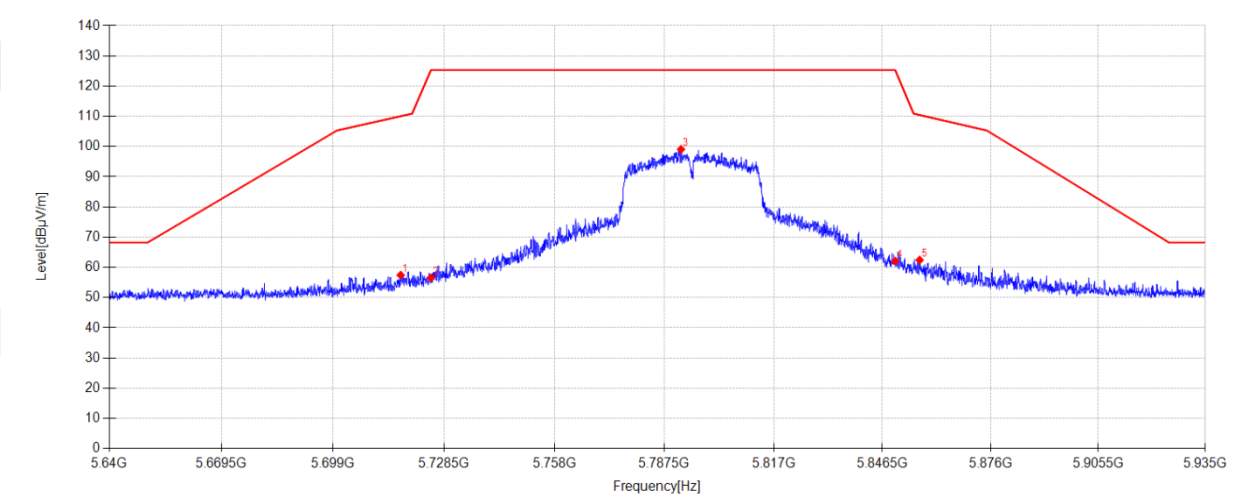
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25072134\FCC ABOVE 1G 5.8G\18

Memo:

Sample Numbler:S25072134-003



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	5716.966	48.49	33.34	5.26	-29.66	57.43	110.05	52.62	PK	Vertical
2	5725.000	47.47	33.45	5.26	-29.65	56.53	125.30	68.77	PK	Vertical
3	5791.984	89.55	33.88	5.29	-29.64	99.08	125.30	26.22	PK	Vertical
4	5850.000	52.50	33.90	5.31	-29.63	62.08	125.30	63.22	PK	Vertical
5	5856.648	52.79	33.95	5.31	-29.63	62.42	110.44	48.02	PK	Vertical

Note:

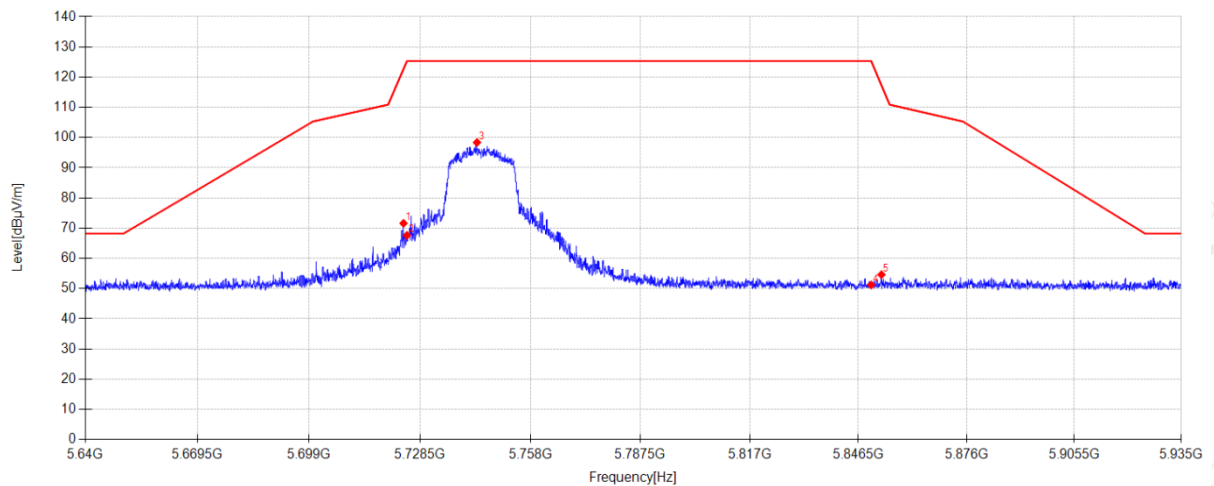
1. Level = Reading + Cable loss + Antenna Factor + AMP

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: 2025-10-20 **Tested By:** Lin Guoyuan
EUT: Meter **Model Number:** 6WX0-20
Test Mode: TX 11AC20 5745MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.5°C;Humi:53.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25072134\FCC ABOVE 1G 5.8G\19
Memo: Sample Numbler:S25072134-003



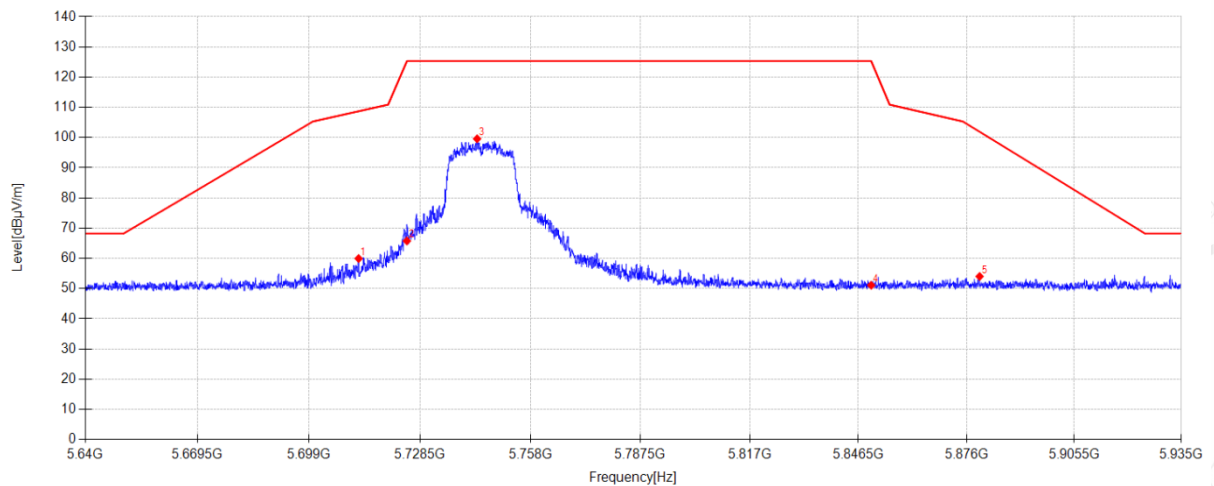
Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5724.105	62.57	33.44	5.26	-29.66	71.61	122.72	51.11	PK	Horizontal
2	5725.000	58.55	33.45	5.26	-29.65	67.61	125.30	57.69	PK	Horizontal
3	5743.693	89.04	33.71	5.27	-29.65	98.37	125.30	26.93	PK	Horizontal
4	5850.000	41.62	33.90	5.31	-29.63	51.20	125.30	74.10	PK	Horizontal
5	5852.784	45.01	33.92	5.31	-29.63	54.61	117.28	62.67	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: 2025-10-20 **Tested By:** Lin Guoyuan
EUT: Meter **Model Number:** 6WX0-20
Test Mode: TX 11AC20 5745MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.5°C;Humi:53.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25072134\FCC ABOVE 1G 5.8G\20
Memo: Sample Numbler:S25072134-003



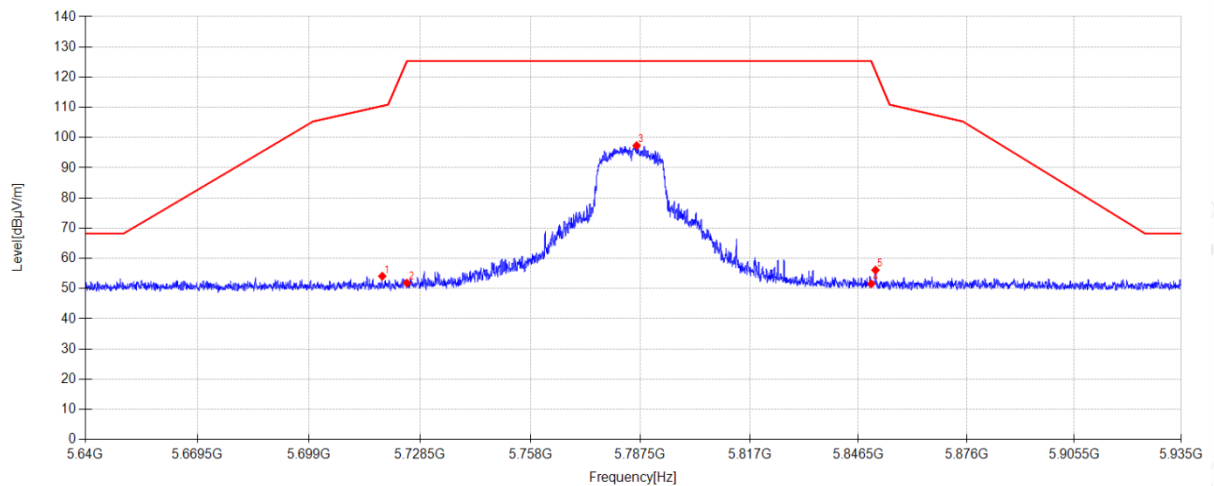
Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5712.157	51.09	33.27	5.25	-29.66	59.95	108.70	48.75	PK	Vertical
2	5725.000	56.72	33.45	5.26	-29.65	65.78	125.30	59.52	PK	Vertical
3	5743.722	90.25	33.71	5.27	-29.65	99.58	125.30	25.72	PK	Vertical
4	5850.000	41.52	33.90	5.31	-29.63	51.10	125.30	74.20	PK	Vertical
5	5879.570	44.19	34.14	5.32	-29.62	54.03	101.91	47.88	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: 2025-10-20 **Tested By:** Lin Guoyuan
EUT: Meter **Model Number:** 6WX0-20
Test Mode: TX 11AC20 5785MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.5°C;Humi:53.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25072134\FCC ABOVE 1G 5.8G\21
Memo: Sample Numbler:S25072134-003



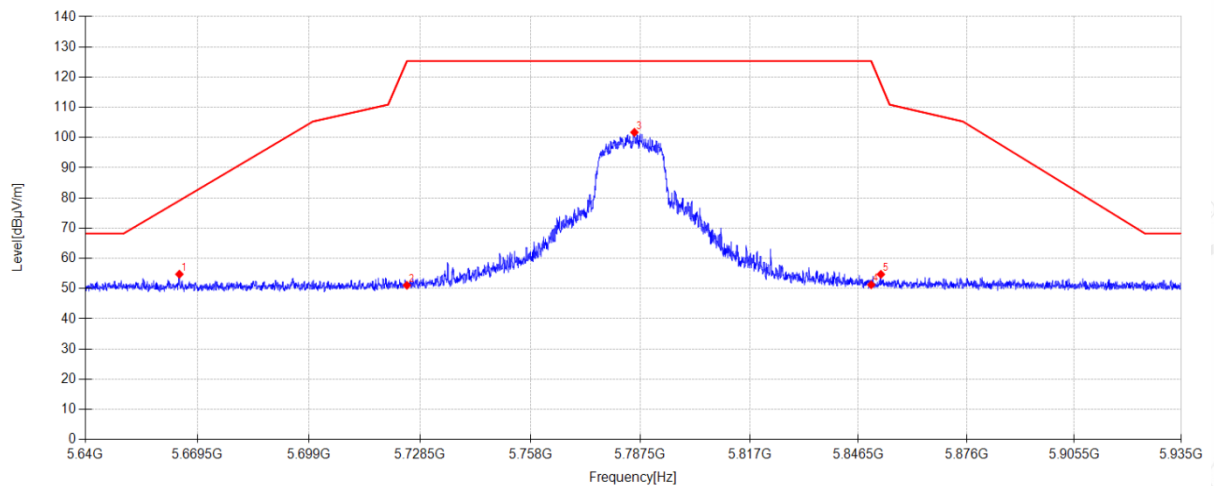
Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5718.441	45.13	33.36	5.26	-29.66	54.09	110.46	56.37	PK	Horizontal
2	5725.000	42.77	33.45	5.26	-29.65	51.83	125.30	73.47	PK	Horizontal
3	5786.497	87.81	33.87	5.28	-29.64	97.32	125.30	27.98	PK	Horizontal
4	5850.000	42.04	33.90	5.31	-29.63	51.62	125.30	73.68	PK	Horizontal
5	5851.161	46.53	33.91	5.31	-29.63	56.12	121.96	65.84	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: 2025-10-20 **Tested By:** Lin Guoyuan
EUT: Meter **Model Number:** 6WX0-20
Test Mode: TX 11AC20 5785MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.5°C;Humi:53.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25072134\FCC ABOVE 1G 5.8G\22
Memo: Sample Numbler:S25072134-003



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	5664.721	45.80	33.38	5.24	-29.67	54.75	79.12	24.37	PK	Vertical
2	5725.000	42.02	33.45	5.26	-29.65	51.08	125.30	74.22	PK	Vertical
3	5785.907	92.21	33.87	5.28	-29.64	101.72	125.30	23.58	PK	Vertical
4	5850.000	41.68	33.90	5.31	-29.63	51.26	125.30	74.04	PK	Vertical
5	5852.636	45.13	33.92	5.31	-29.63	54.73	117.71	62.98	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:

2025-10-20

Tested By:

Lin Guoyuan

EUT:

Meter

Model Number:

6WX0-20

Test Mode:

TX 11AC20 5825MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.5°C;Humi:53.4%

Test Site:

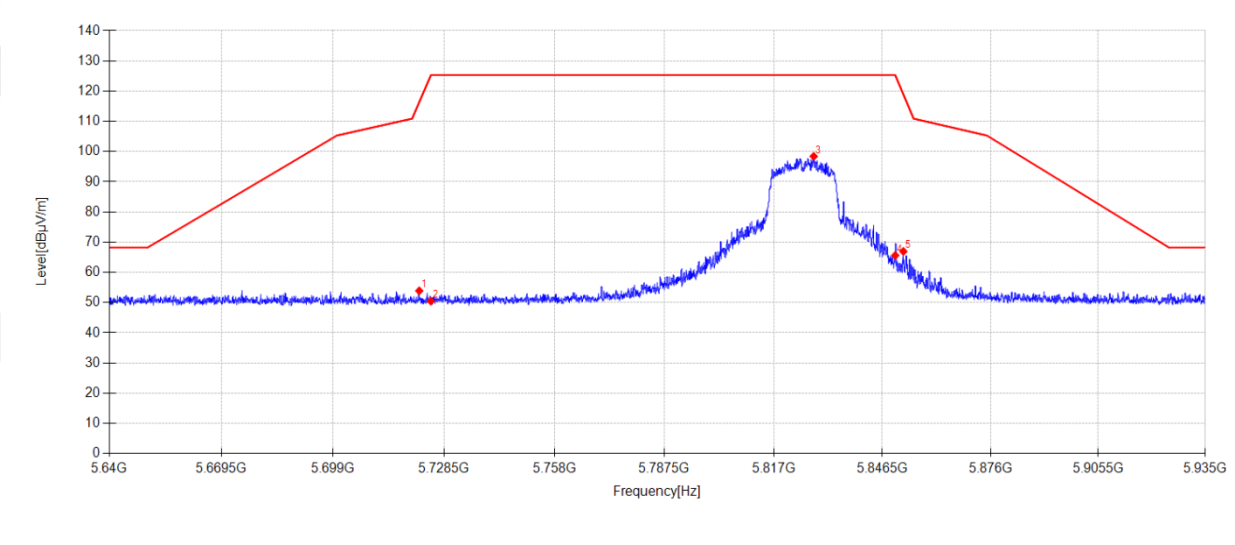
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25072134\FCC ABOVE 1G 5.8G\23

Memo:

Sample Numbler:S25072134-003



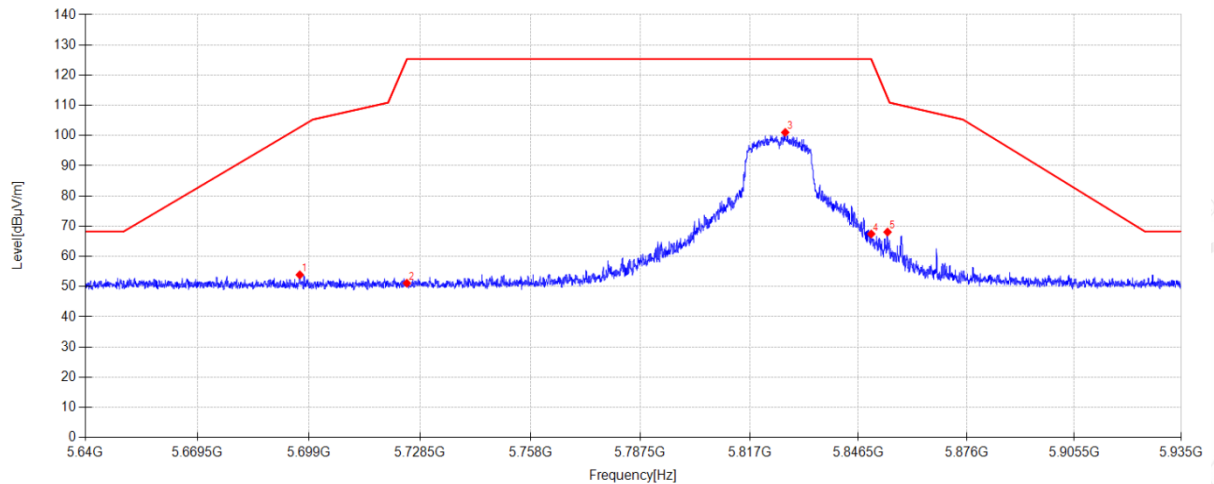
Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5721.892	44.89	33.41	5.26	-29.66	53.90	116.35	62.45	PK	Horizontal
2	5725.000	41.41	33.45	5.26	-29.65	50.47	125.30	74.83	PK	Horizontal
3	5827.856	88.84	33.90	5.30	-29.63	98.41	125.30	26.89	PK	Horizontal
4	5850.000	56.02	33.90	5.31	-29.63	65.60	125.30	59.70	PK	Horizontal
5	5852.223	57.34	33.92	5.31	-29.63	66.94	118.90	51.96	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: 2025-10-20 **Tested By:** Lin Guoyuan
EUT: Meter **Model Number:** 6WX0-20
Test Mode: TX 11AC20 5825MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.5°C;Humi:53.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25072134\FCC ABOVE 1G 5.8G\24
Memo: Sample Numbler:S25072134-003

**Suspected Data List**

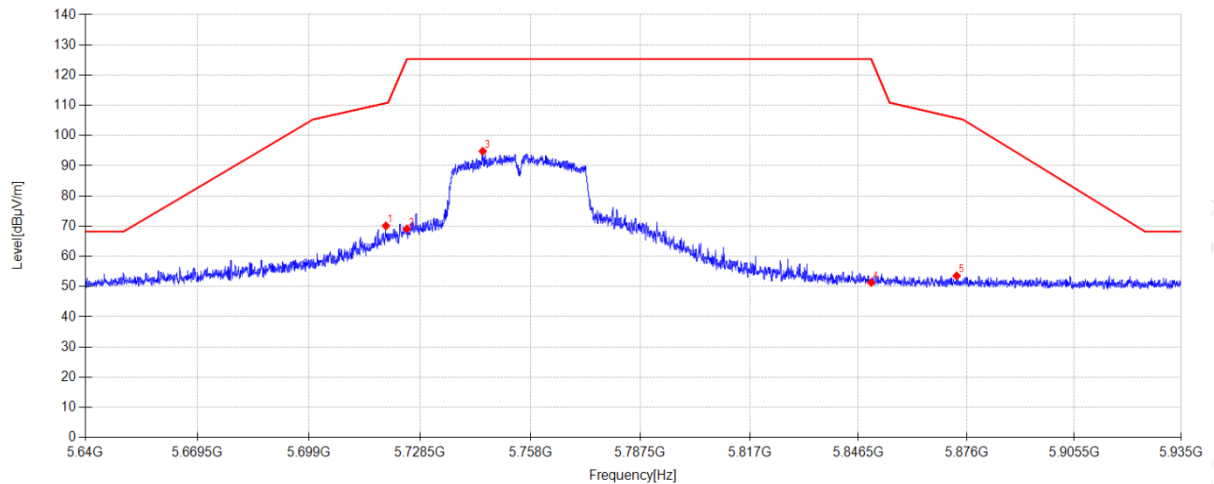
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5696.552	45.16	33.13	5.25	-29.66	53.88	102.74	48.86	PK	Vertical
2	5725.000	42.06	33.45	5.26	-29.65	51.12	125.30	74.18	PK	Vertical
3	5826.647	91.47	33.90	5.30	-29.63	101.04	125.30	24.26	PK	Vertical
4	5850.000	57.84	33.90	5.31	-29.63	67.42	125.30	57.88	PK	Vertical
5	5854.436	58.43	33.94	5.31	-29.63	68.05	112.53	44.48	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: 2025-10-20 **Tested By:** Lin Guoyuan
EUT: Meter **Model Number:** 6WX0-20
Test Mode: TX 11AC40 5755MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.5°C;Humi:53.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25072134\FCC ABOVE 1G 5.8G\25
Memo: Sample Numbler:S25072134-003

**Suspected Data List**

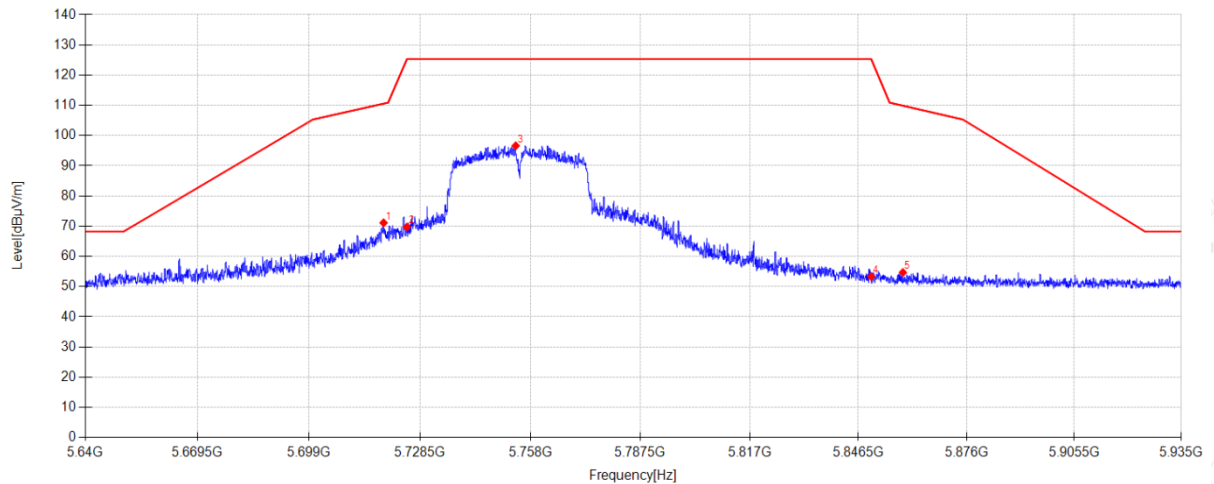
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5719.414	61.12	33.37	5.26	-29.66	70.09	110.74	40.65	PK	Horizontal
2	5725.000	60.04	33.45	5.26	-29.65	69.10	125.30	56.20	PK	Horizontal
3	5745.227	85.45	33.73	5.27	-29.65	94.80	125.30	30.50	PK	Horizontal
4	5850.000	41.75	33.90	5.31	-29.63	51.33	125.30	73.97	PK	Horizontal
5	5873.286	43.76	34.09	5.32	-29.63	53.54	105.78	52.24	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: 2025-10-20 **Tested By:** Lin Guoyuan
EUT: Meter **Model Number:** 6WX0-20
Test Mode: TX 11AC40 5755MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.5°C;Humi:53.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25072134\FCC ABOVE 1G 5.8G\26
Memo: Sample Numbler:S25072134-003

**Suspected Data List**

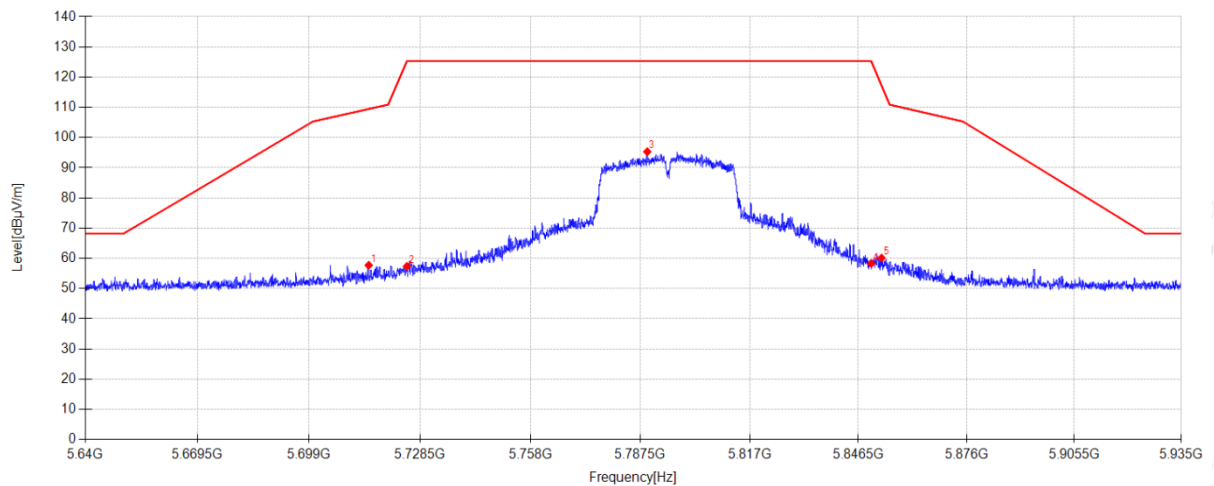
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5718.795	62.14	33.36	5.26	-29.66	71.10	110.56	39.46	PK	Vertical
2	5725.000	60.69	33.45	5.26	-29.65	69.75	125.30	55.55	PK	Vertical
3	5754.047	87.18	33.81	5.27	-29.65	96.61	125.30	28.69	PK	Vertical
4	5850.000	43.74	33.90	5.31	-29.63	53.32	125.30	71.98	PK	Vertical
5	5858.625	45.01	33.97	5.31	-29.63	54.66	109.89	55.23	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: 2025-10-20 **Tested By:** Lin Guoyuan
EUT: Meter **Model Number:** 6WX0-20
Test Mode: TX 11AC40 5795MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.5°C;Humi:53.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25072134\FCC ABOVE 1G 5.8G\27
Memo: Sample Numbler:S25072134-003

**Suspected Data List**

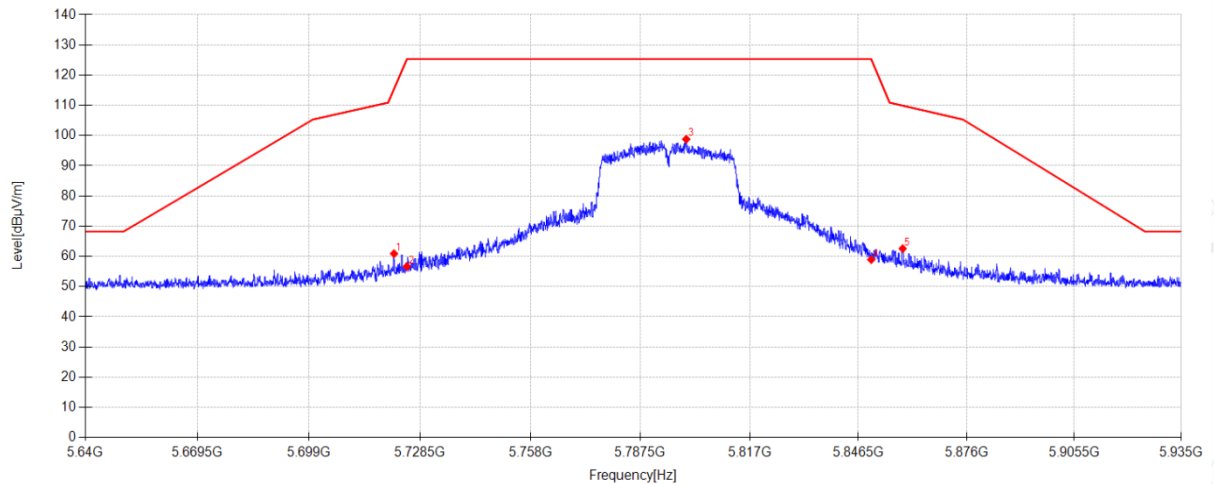
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5714.842	48.82	33.31	5.26	-29.66	57.73	109.46	51.73	PK	Horizontal
2	5725.000	48.29	33.45	5.26	-29.65	57.35	125.30	67.95	PK	Horizontal
3	5789.359	85.78	33.88	5.29	-29.64	95.31	125.30	29.99	PK	Horizontal
4	5850.000	48.75	33.90	5.31	-29.63	58.33	125.30	66.97	PK	Horizontal
5	5852.813	50.51	33.92	5.31	-29.63	60.11	117.20	57.09	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: 2025-10-20 **Tested By:** Lin Guoyuan
EUT: Meter **Model Number:** 6WX0-20
Test Mode: TX 11AC40 5795MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.5°C;Humi:53.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25072134\FCC ABOVE 1G 5.8G\28
Memo: Sample Numbler:S25072134-003

**Suspected Data List**

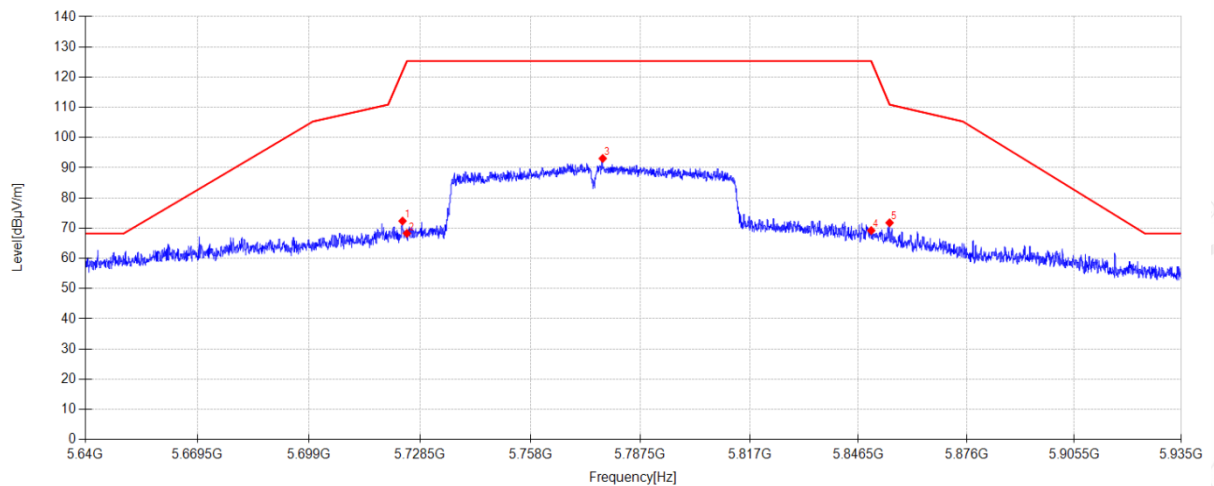
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5721.568	51.89	33.40	5.26	-29.66	60.89	115.41	54.52	PK	Vertical
2	5725.000	47.58	33.45	5.26	-29.65	56.64	125.30	68.66	PK	Vertical
3	5799.861	89.24	33.90	5.29	-29.64	98.79	125.30	26.51	PK	Vertical
4	5850.000	49.33	33.90	5.31	-29.63	58.91	125.30	66.39	PK	Vertical
5	5858.566	52.91	33.97	5.31	-29.63	62.56	109.90	47.34	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: 2025-10-20 **Tested By:** Lin Guoyuan
EUT: Meter **Model Number:** 6WX0-20
Test Mode: TX 11AC80 5775MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.5°C;Humi:53.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25072134\FCC ABOVE 1G 5.8G\29
Memo: Sample Numbler:S25072134-003

**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	5723.839	63.33	33.43	5.26	-29.66	72.36	121.96	49.60	PK	Horizontal
2	5725.000	59.21	33.45	5.26	-29.65	68.27	125.30	57.03	PK	Horizontal
3	5777.382	83.58	33.85	5.28	-29.64	93.07	125.30	32.23	PK	Horizontal
4	5850.000	59.64	33.90	5.31	-29.63	69.22	125.30	56.08	PK	Horizontal
5	5854.996	62.16	33.94	5.31	-29.63	71.78	110.91	39.13	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:

2025-10-20

Tested By:

Lin Guoyuan

EUT:

Meter

Model Number:

6WX0-20

Test Mode:

TX 11AC80 5775MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.5°C;Humi:53.4%

Test Site:

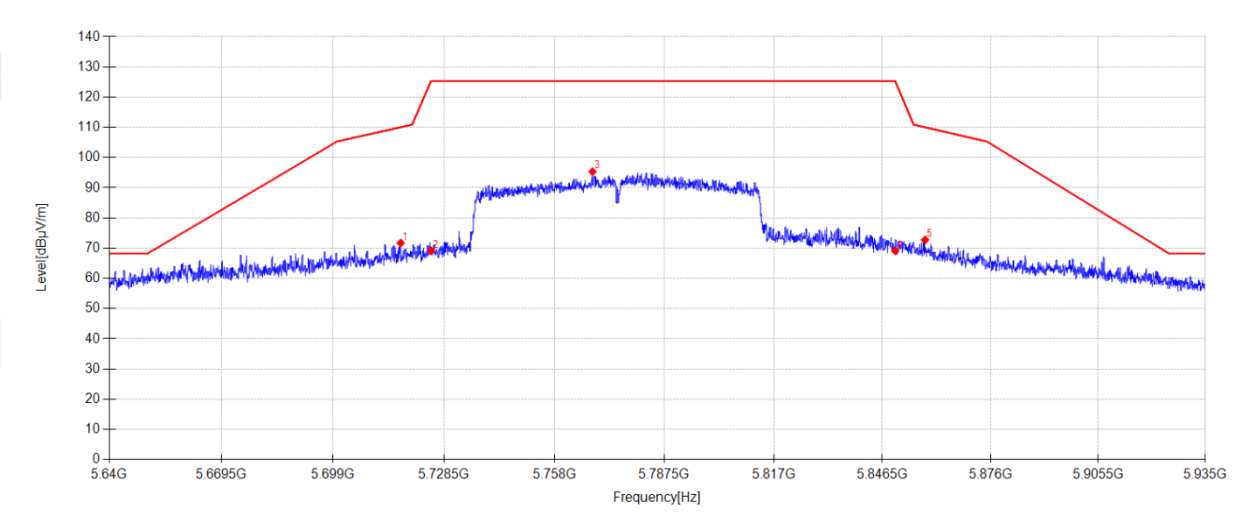
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25072134\FCC ABOVE 1G 5.8G\30

Memo:

Sample Numbler:S25072134-003



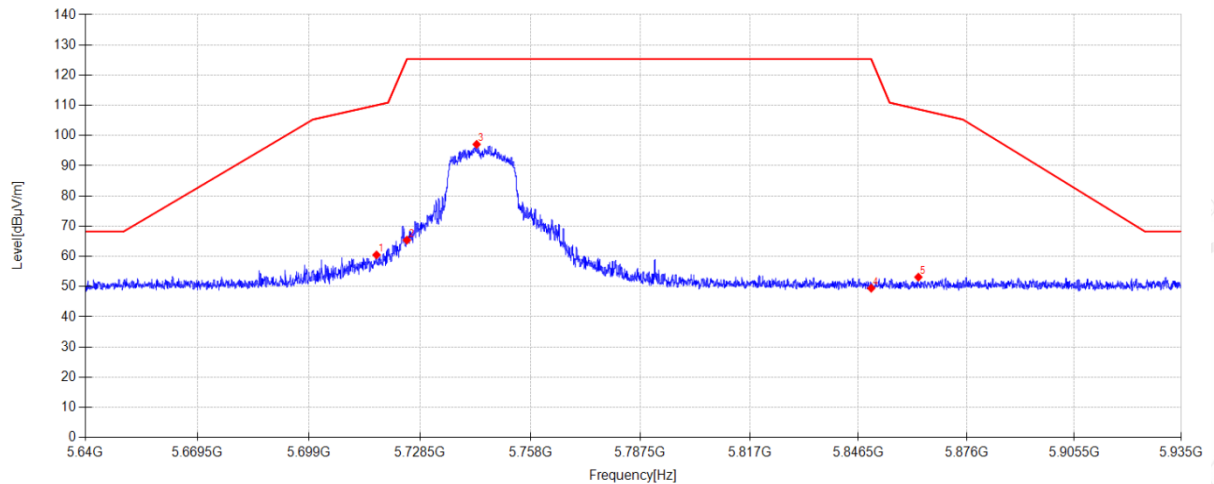
Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5716.966	62.76	33.34	5.26	-29.66	71.70	110.05	38.35	PK	Vertical
2	5725.000	60.01	33.45	5.26	-29.65	69.07	125.30	56.23	PK	Vertical
3	5768.207	85.86	33.84	5.28	-29.65	95.33	125.30	29.97	PK	Vertical
4	5850.000	59.53	33.90	5.31	-29.63	69.11	125.30	56.19	PK	Vertical
5	5858.123	63.09	33.96	5.31	-29.63	72.73	110.03	37.30	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: 2025-10-20 **Tested By:** Lin Guoyuan
EUT: Meter **Model Number:** 6WX0-20
Test Mode: ANT1 TX 11A 5745MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.5°C;Humi:53.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25072134\FCC ABOVE 1G 5.8G\31
Memo: Sample Numbler:S25072134-003

**Suspected Data List**

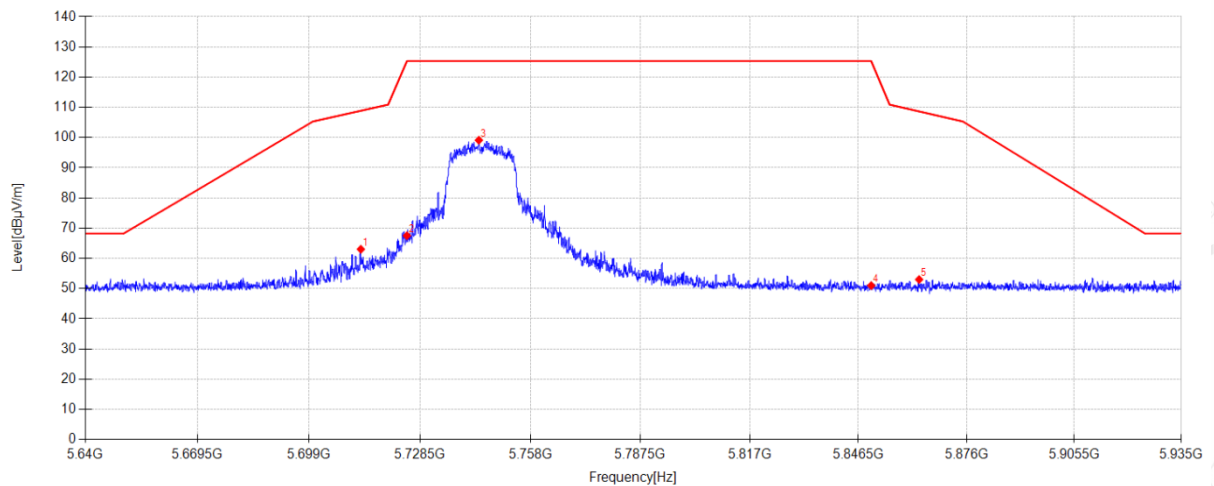
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5716.907	51.54	33.34	5.26	-29.66	60.48	110.03	49.55	PK	Horizontal
2	5725.000	56.32	33.45	5.26	-29.65	65.38	125.30	59.92	PK	Horizontal
3	5743.604	87.76	33.71	5.27	-29.65	97.09	125.30	28.21	PK	Horizontal
4	5850.000	39.87	33.90	5.31	-29.63	49.45	125.30	75.85	PK	Horizontal
5	5862.843	43.43	34.00	5.32	-29.63	53.12	108.70	55.58	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: 2025-10-20 **Tested By:** Lin Guoyuan
EUT: Meter **Model Number:** 6WX0-20
Test Mode: ANT1 TX 11A 5745MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.5°C;Humi:53.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25072134\FCC ABOVE 1G 5.8G\32
Memo: Sample Numbler:S25072134-003

**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	5712.747	54.14	33.28	5.26	-29.66	63.02	108.87	45.85	PK	Vertical
2	5725.000	58.45	33.45	5.26	-29.65	67.51	125.30	57.79	PK	Vertical
3	5744.194	89.78	33.72	5.27	-29.65	99.12	125.30	26.18	PK	Vertical
4	5850.000	41.41	33.90	5.31	-29.63	50.99	125.30	74.31	PK	Vertical
5	5863.050	43.30	34.00	5.32	-29.63	52.99	108.65	55.66	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:

2025-10-20

Tested By:

Lin Guoyuan

EUT:

Meter

Model Number:

6WX0-20

Test Mode:

ANT1 TX 11A 5785MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.5°C;Humi:53.4%

Test Site:

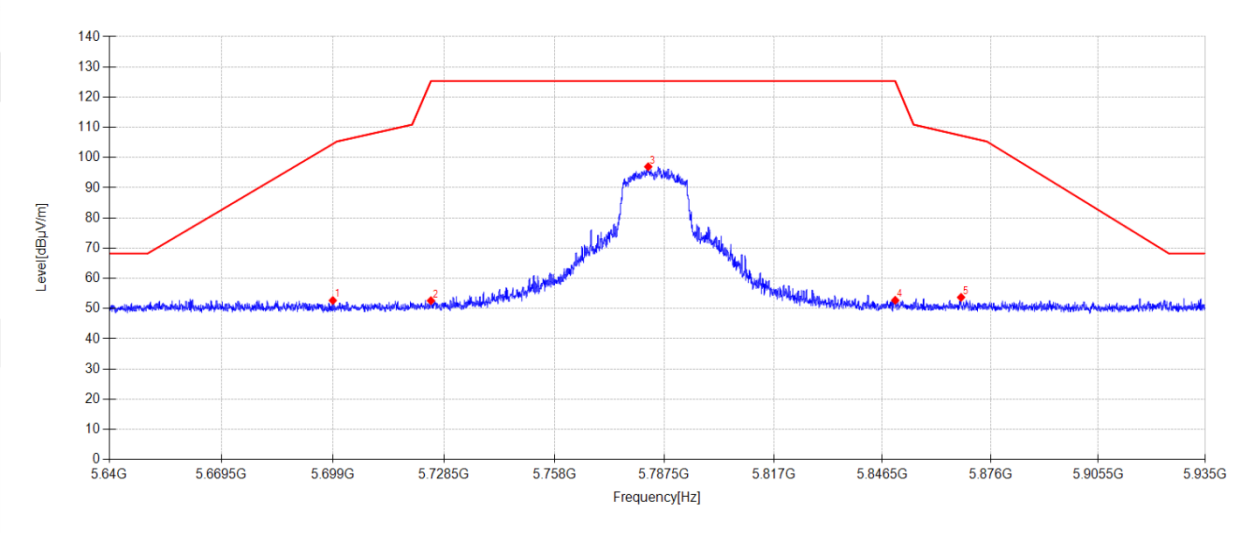
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25072134\FCC ABOVE 1G 5.8G\33

Memo:

Sample Numbler:S25072134-003



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	5698.941	43.97	33.11	5.25	-29.66	52.67	104.51	51.84	PK	Horizontal
2	5725.000	43.55	33.45	5.26	-29.65	52.61	125.30	72.69	PK	Horizontal
3	5783.164	87.45	33.87	5.28	-29.64	96.96	125.30	28.34	PK	Horizontal
4	5850.000	43.15	33.90	5.31	-29.63	52.73	125.30	72.57	PK	Horizontal
5	5867.947	43.98	34.04	5.32	-29.63	53.71	107.27	53.56	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:

2025-10-20

Tested By:

Lin Guoyuan

EUT:

Meter

Model Number:

6WX0-20

Test Mode:

ANT1 TX 11A 5785MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.5°C;Humi:53.4%

Test Site:

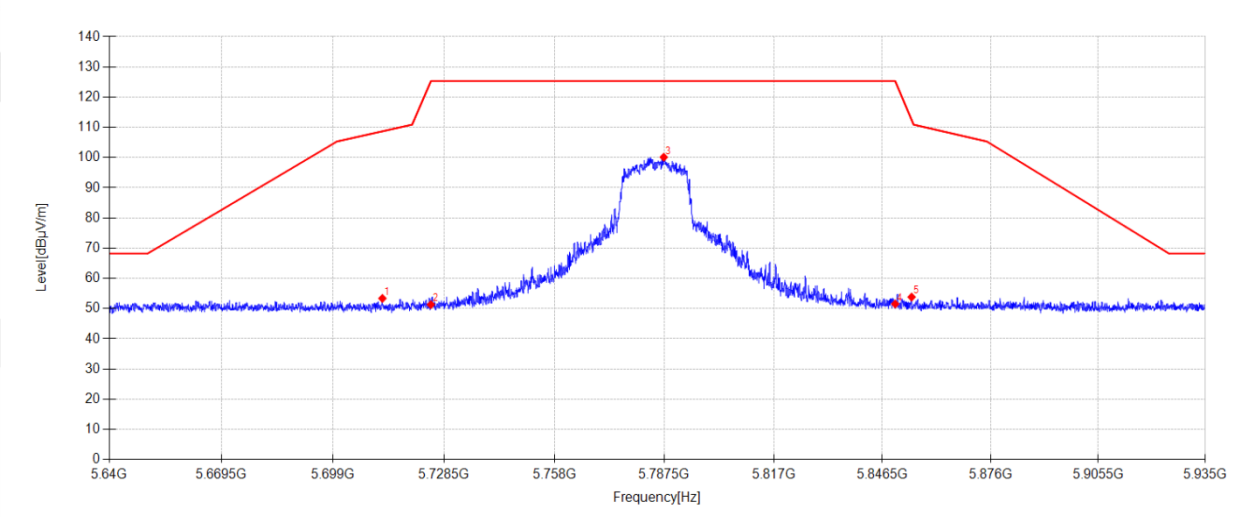
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25072134\FCC ABOVE 1G 5.8G\34

Memo:

Sample Numbler:S25072134-003



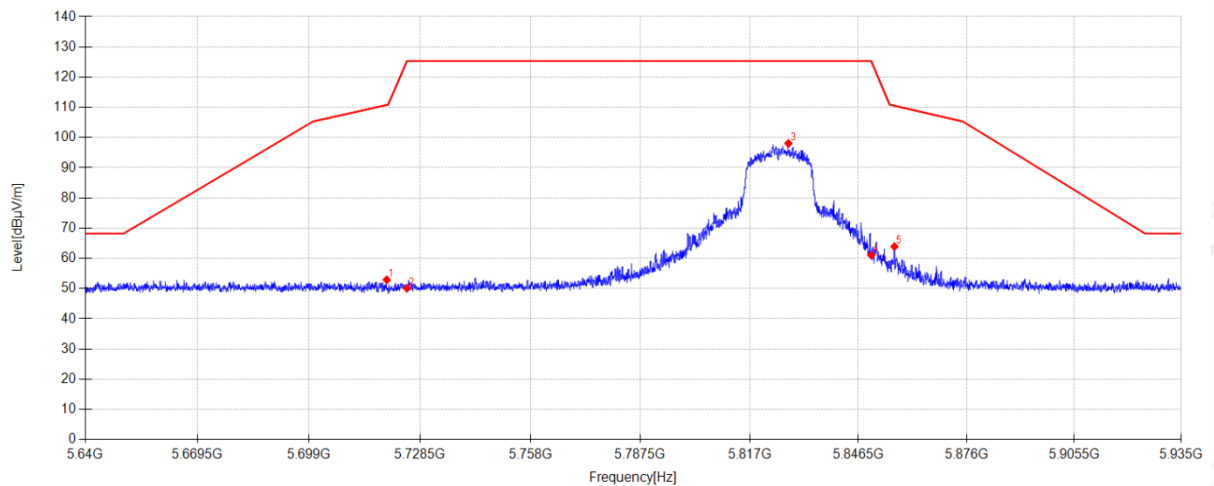
Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5712.098	44.51	33.27	5.25	-29.66	53.37	108.69	55.32	PK	Vertical
2	5725.000	42.26	33.45	5.26	-29.65	51.32	125.30	73.98	PK	Vertical
3	5787.353	90.60	33.87	5.28	-29.64	100.11	125.30	25.19	PK	Vertical
4	5850.000	41.95	33.90	5.31	-29.63	51.53	125.30	73.77	PK	Vertical
5	5854.465	44.20	33.94	5.31	-29.63	53.82	112.44	58.62	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: 2025-10-20 **Tested By:** Lin Guoyuan
EUT: Meter **Model Number:** 6WX0-20
Test Mode: ANT1 TX 11A 5825MHz Mode **Power Supply:** DC 12V
Condition: Temp:22.5°C;Humi:53.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25072134\FCC ABOVE 1G 5.8G\35
Memo: Sample Numbler:S25072134-003

**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	5719.621	43.93	33.37	5.26	-29.66	52.90	110.79	57.89	PK	Horizontal
2	5725.000	41.04	33.45	5.26	-29.65	50.10	125.30	75.20	PK	Horizontal
3	5827.502	88.49	33.90	5.30	-29.63	98.06	125.30	27.24	PK	Horizontal
4	5850.000	51.51	33.90	5.31	-29.63	61.09	125.30	64.21	PK	Horizontal
5	5856.324	54.29	33.95	5.31	-29.63	63.92	110.53	46.61	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:

2025-10-20

Tested By:

Lin Guoyuan

EUT:

Meter

Model Number:

6WX0-20

Test Mode:

ANT1 TX 11A 5825MHz Mode

Power Supply:

DC 12V

Condition:

Temp:22.5°C;Humi:53.4%

Test Site:

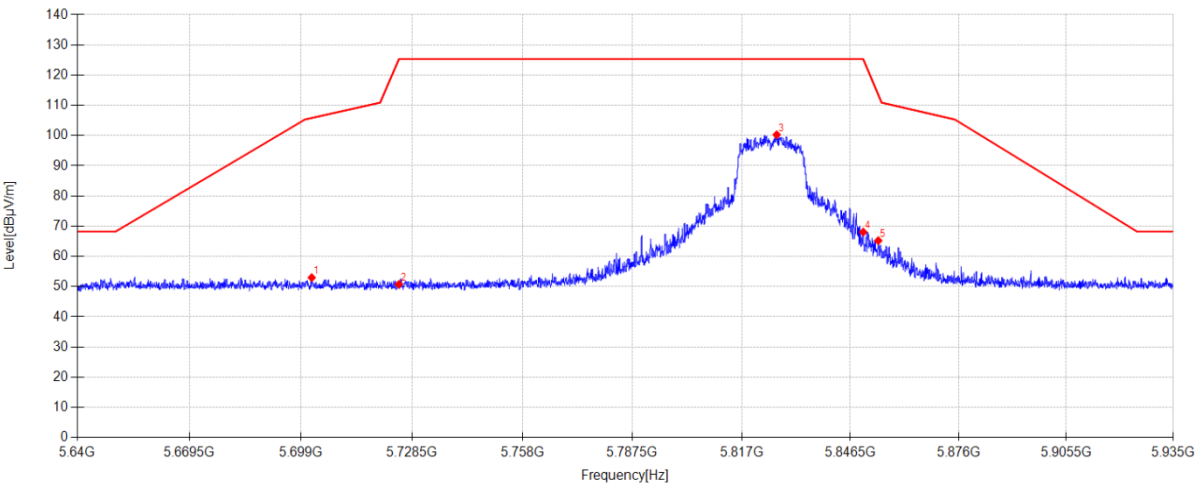
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25072134\FCC ABOVE 1G 5.8G\36

Memo:

Sample Numbler:S25072134-003



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	5701.832	44.24	33.13	5.25	-29.66	52.96	105.81	52.85	PK	Vertical
2	5725.000	41.68	33.45	5.26	-29.65	50.74	125.30	74.56	PK	Vertical
3	5826.499	90.69	33.90	5.30	-29.63	100.26	125.30	25.04	PK	Vertical
4	5850.000	58.47	33.90	5.31	-29.63	68.05	125.30	57.25	PK	Vertical
5	5854.111	55.60	33.93	5.31	-29.63	65.21	113.46	48.25	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.

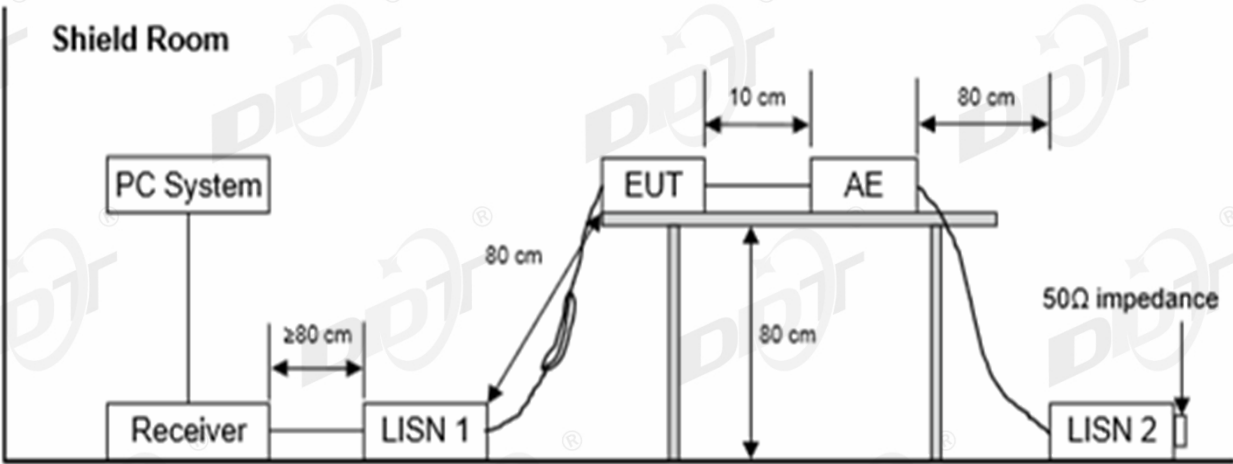
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

12. Power Line Conducted Emissions

12.1. Test equipment

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

12.2. Block diagram of test setup



12.3. 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.

12.4. Assistant equipment used for test

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

12.5. 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.

12.6. Test result

Not applicable. Product is DC powered.

14. Photos of the EUT

Please refer to DDT-Q25072134-2E appendix I

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