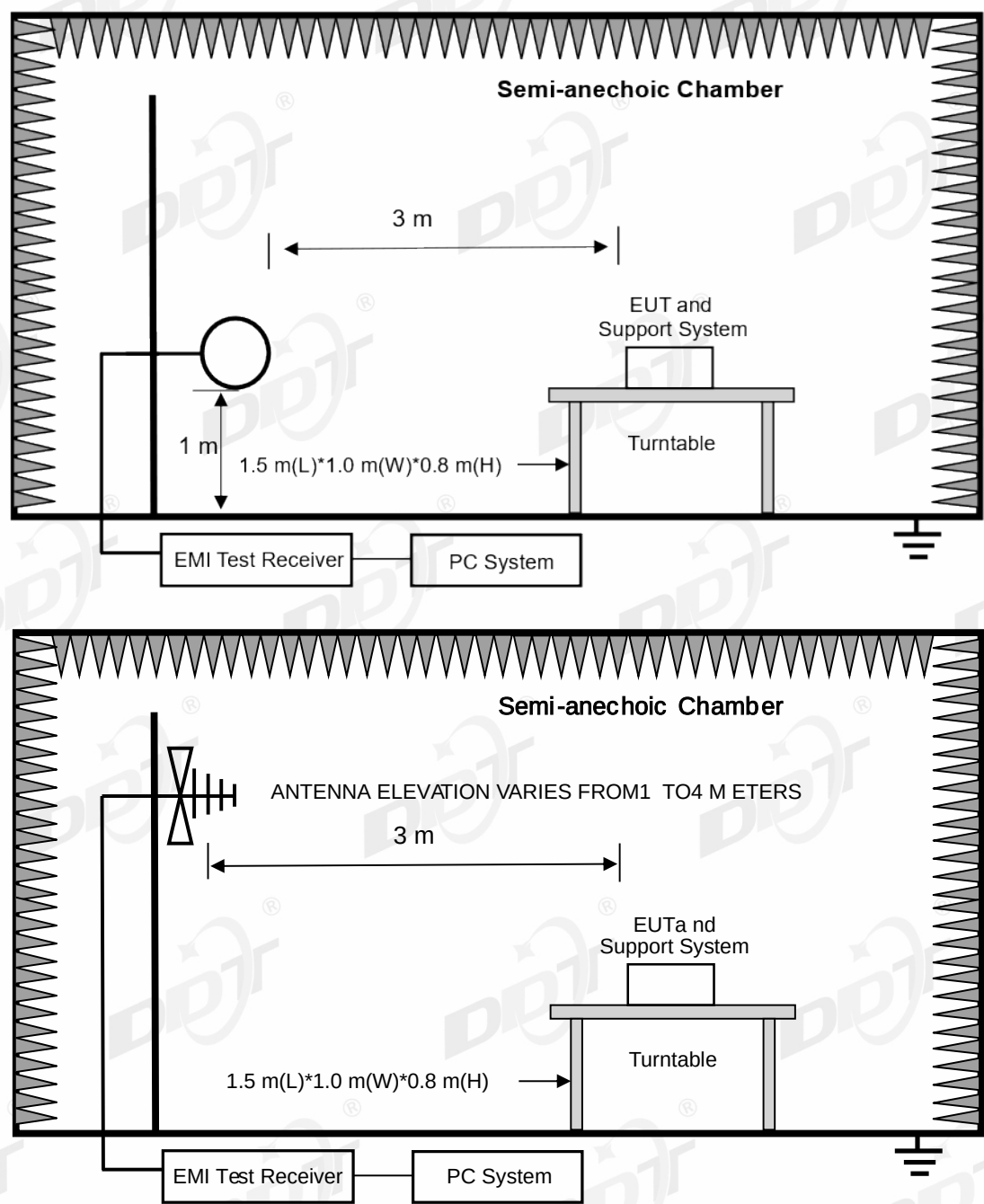


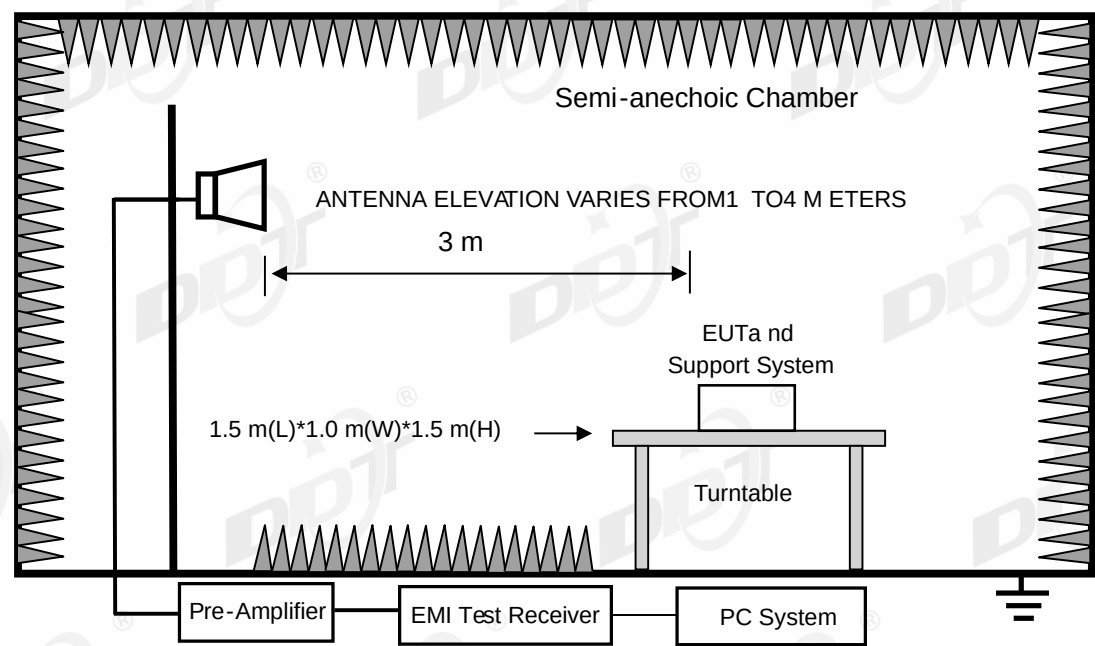
12. Radiated Emission

12.1. Test equipment

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

12.2. Block diagram of test setup





12.3. Limits

(1) FCC 15.205 Restricted frequency band

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

(2) FCC 15.209 Limit

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

Note:

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

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

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

(3) Limit for this EUT

The emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions shall be at least 20 dB below the fundamental emissions or comply with 15.209 limits.

12.4. Assistant equipment used for test

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

12.5. Test procedure

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

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

Test frequency range	Test antenna used	Test antenna distance
9 kHz - 30 MHz	Active Loop antenna	3 m
30 MHz - 1 GHz	Trilog Broadband Antenna	3 m

1 GHz - 18 GHz	Double Ridged Horn Antenna(1 GHz-18 GHz)	3 m
18 GHz - 40 GHz	Horn Antenna(18 GHz-40 GHz)	1 m

According ANSI C63.10 clause 6.4.6 and 6.5.3, for measurements below 30 MHz, Antenna was located 3 m from EUT, the loop antenna was positioned in three antenna orientations (parallel, perpendicular, and round-parallel), for each measurement antenna alignment, the EUT shall be rotated through 0° to 360° on a turntable, and the lowest height of the magnetic antenna shall be 1 m above the ground. For measurement above 30 MHz, the trilog 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 1GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1 MHz, VBW is set at 3 MHz for Peak measure; According ANSI C63.10 clause 4.1.5.2.2 procedure for average measure.

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

(9) According exploratory test, the emission levels are 20 dB below the limit detected from 9 kHz to 30 MHz and 18 GHz to 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.

12.6. Test result

PASS. (See below detailed test result)

12.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-01-16

Tested By:

Cao Jie

Test Mode:

TX 11N20 5745MHz Mode

Power Supply:

DC 12V

Condition:

Temp:25.5°C;Humi:48.1%

Test Site:

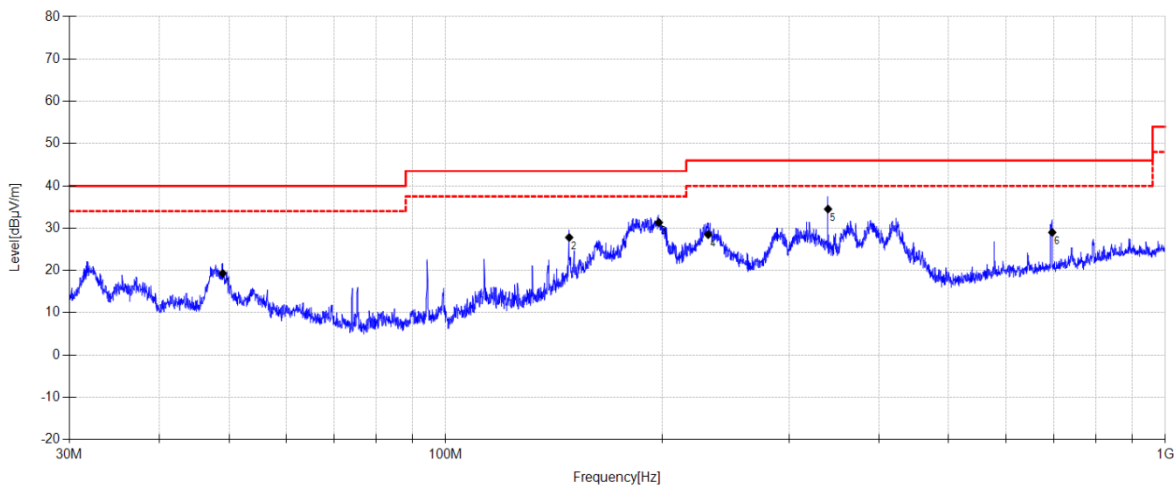
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25123016-1E\FCC BELOW 1G\3

Memo:

Sample Number:S25123016-003



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	49.010	34.05	13.60	3.97	19.32	40.00	20.68	QP	Horizontal
2	148.498	47.12	8.45	4.58	27.80	43.50	15.70	QP	Horizontal
3	197.818	48.12	10.75	4.87	31.34	43.50	12.16	QP	Horizontal
4	231.623	43.9	11.97	5.01	28.48	46.00	17.52	QP	Horizontal
5	339.900	47.29	14.20	5.45	34.50	46.00	11.50	QP	Horizontal
6	696.419	35.9	19.56	6.62	28.99	46.00	17.01	QP	Horizontal

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-01-16

Tested By:

Cao Jie

Test Mode:

TX 11N20 5745MHz Mode

Power Supply:

DC 12V

Condition:

Temp:25.5°C;Humi:48.1%

Test Site:

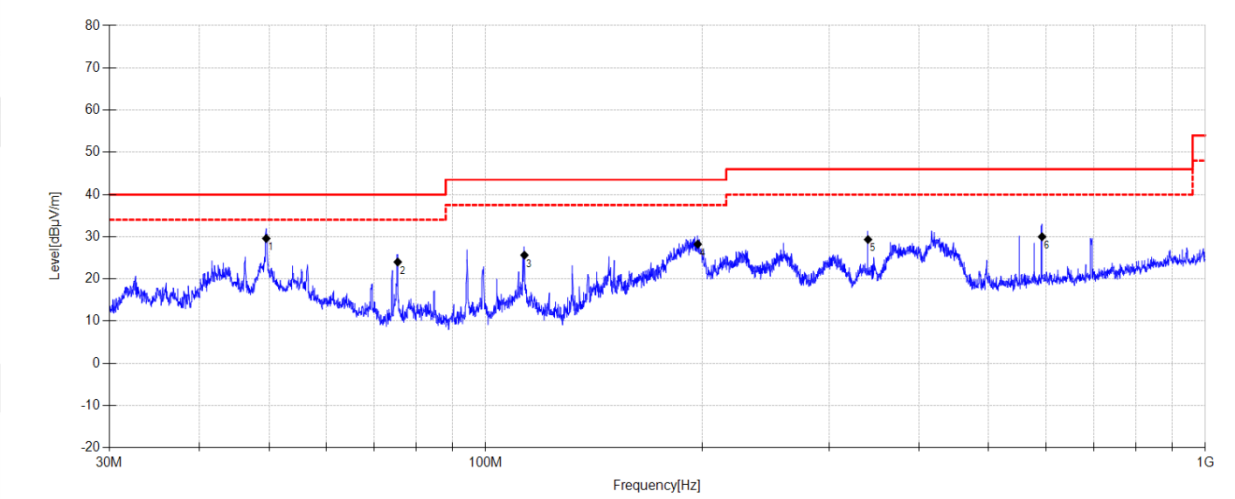
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25123016-1E\FCC BELOW 1G\4

Memo:

Sample Number:S25123016-003



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	49.563	44.42	13.49	3.98	29.59	40.00	10.41	QP	Vertical
2	75.485	44.27	7.85	4.18	24.00	40.00	16.00	QP	Vertical
3	113.207	42.32	11.24	4.38	25.63	43.50	17.87	QP	Vertical
4	197.126	45.24	10.54	4.86	28.24	43.50	15.26	QP	Vertical
5	339.900	42.12	14.20	5.45	29.33	46.00	16.67	QP	Vertical
6	593.112	37.34	19.10	6.38	29.99	46.00	16.01	QP	Vertical

Note:

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

2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.

3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-01-12

Tested By:

Nan Zhong

Test Mode:

TX N20 5745MHz Mode

Power Supply:

DC 12V

Condition:

Temp:24.7°C;Humi:48.9%

Test Site:

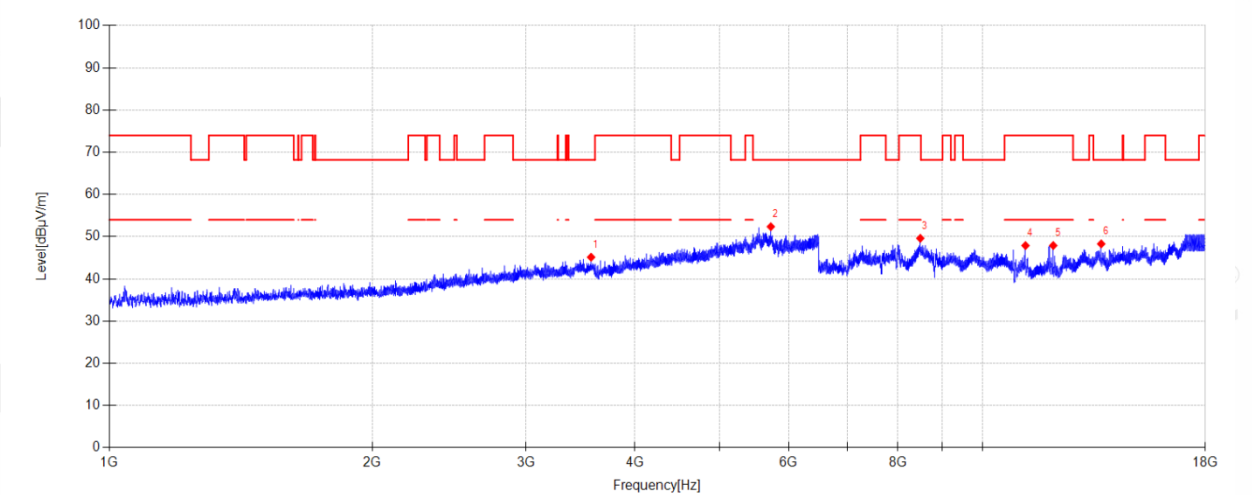
DDT 3# Chamber

File Path:

d:\ts\2025 test date\Q25123016-1E\FCC ABOVE1G 5.8G\7

Memo:

Sample Number :S25123016-001 Power setting:11



Suspected Data List										
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3562.450	41.01	30.04	-25.90	0.00	45.15	68.20	23.05	PK	Horizontal
2	5722.850	39.00	33.60	-20.22	0.00	52.38	68.20	15.82	PK	Horizontal
3	8488.350	46.42	37.39	-34.19	0.00	49.62	74.00	24.38	PK	Horizontal
4	11202.350	40.53	38.88	-31.51	0.00	47.90	74.00	26.10	PK	Horizontal
5	12053.350	40.96	38.85	-31.90	0.00	47.91	74.00	26.09	PK	Horizontal
6	13677.150	37.28	39.90	-28.88	0.00	48.30	68.20	19.90	PK	Horizontal

Note:

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

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-01-12

Tested By:

Nan Zhong

Test Mode:

TX N20 5745MHz Mode

Power Supply:

DC 12V

Condition:

Temp:24.7°C;Humi:48.9%

Test Site:

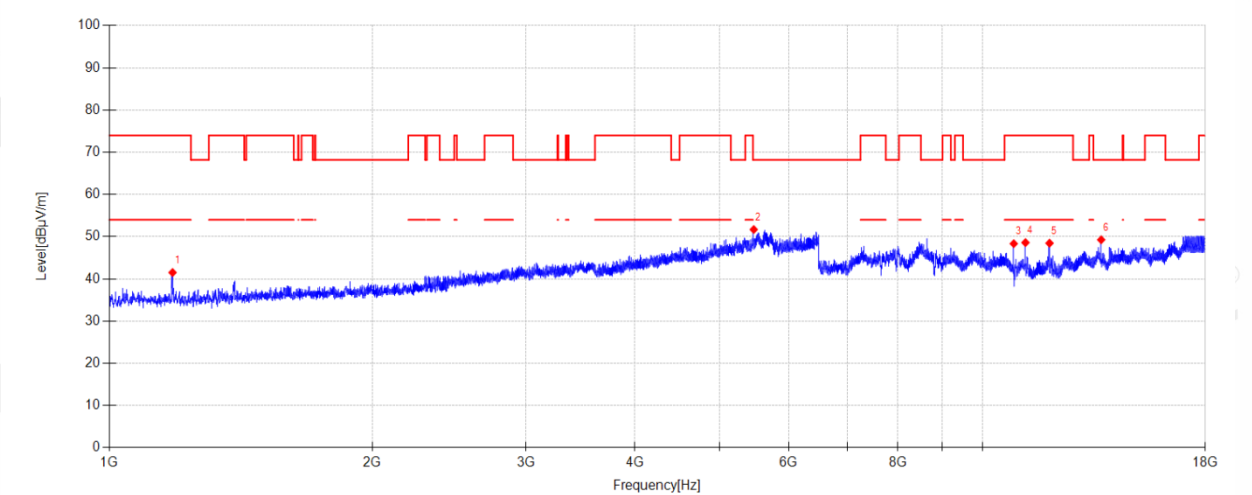
DDT 3# Chamber

File Path:

d:\ts\2025 test date\Q25123016-1E\FCC ABOVE1G 5.8G\8

Memo:

Sample Number :S25123016-001 Power setting:11



Suspected Data List										
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	1181.500	45.96	25.81	-30.25	0.00	41.52	74.00	32.48	PK	Vertical
2	5470.950	39.47	33.32	-21.09	0.00	51.70	68.20	16.50	PK	Vertical
3	10860.800	43.11	38.80	-33.56	0.00	48.35	74.00	25.65	PK	Vertical
4	11201.200	41.22	38.88	-31.49	0.00	48.61	74.00	25.39	PK	Vertical
5	11934.900	40.97	38.81	-31.31	0.00	48.47	74.00	25.53	PK	Vertical
6	13677.150	38.25	39.90	-28.88	0.00	49.27	68.20	18.93	PK	Vertical

Note:

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

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-01-12

Tested By:

Nan Zhong

Test Mode:

TX N20 5785MHz Mode

Power Supply:

DC 12V

Condition:

Temp:24.7°C;Humi:48.9%

Test Site:

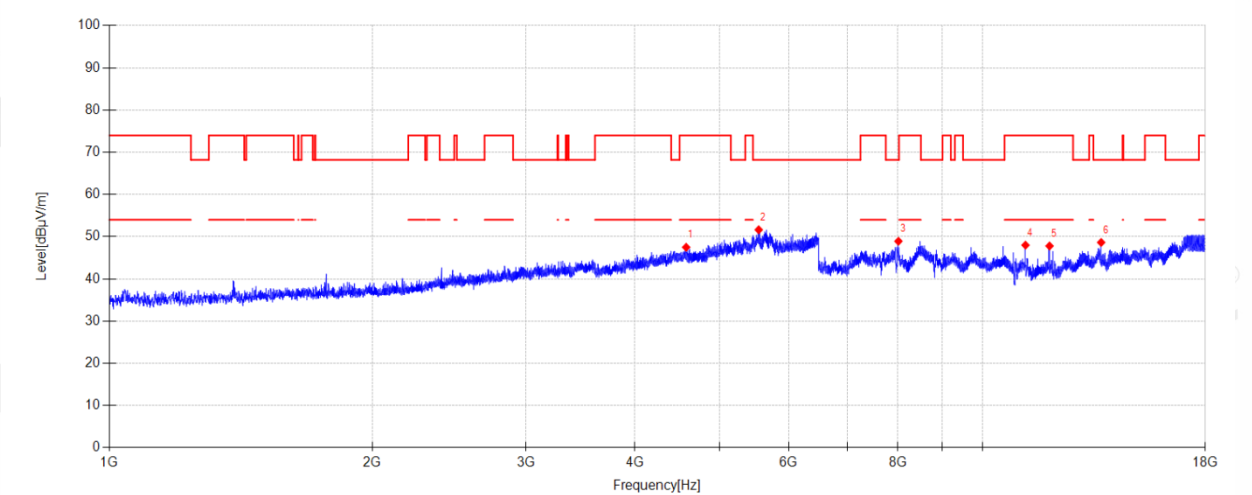
DDT 3# Chamber

File Path:

d:\ts\2025 test date\Q25123016-1E\FCC ABOVE1G 5.8G\9

Memo:

Sample Number :S25123016-001 Power setting:11



Suspected Data List										
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4577.200	39.02	31.91	-23.43	0.00	47.50	74.00	26.50	PK	Horizontal
2	5543.000	39.08	33.40	-20.84	0.00	51.64	68.20	16.56	PK	Horizontal
3	8012.250	47.35	36.81	-35.23	0.00	48.93	68.20	19.27	PK	Horizontal
4	11202.350	40.63	38.88	-31.51	0.00	48.00	74.00	26.00	PK	Horizontal
5	11934.900	40.31	38.81	-31.31	0.00	47.81	74.00	26.19	PK	Horizontal
6	13676.000	37.61	39.90	-28.86	0.00	48.65	68.20	19.55	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:

2026-01-12

Tested By:

Nan Zhong

Test Mode:

TX N20 5785MHz Mode

Power Supply:

DC 12V

Condition:

Temp:24.7°C;Humi:48.9%

Test Site:

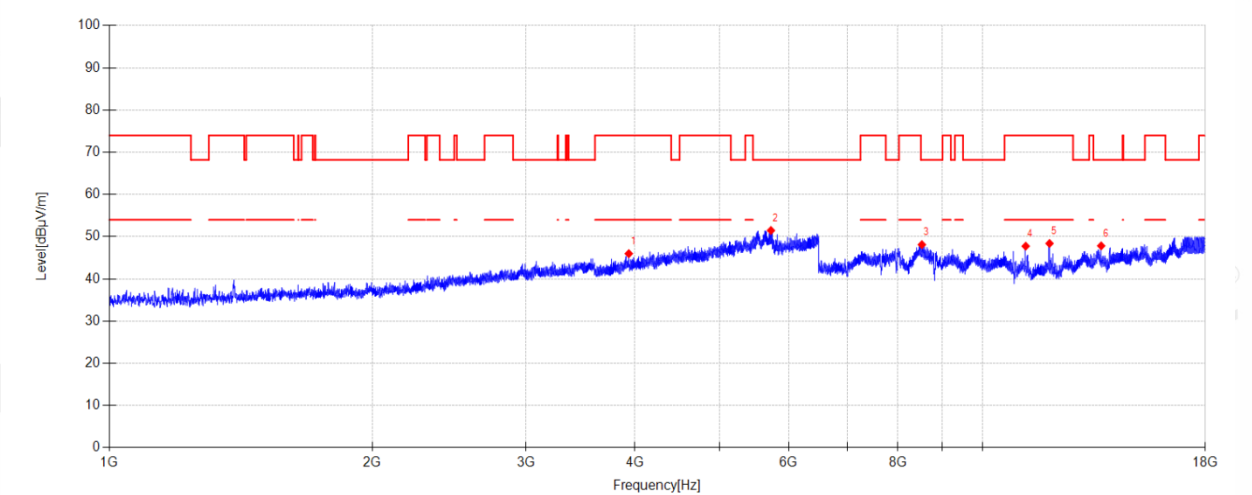
DDT 3# Chamber

File Path:

d:\ts\2025 test date\Q25123016-1E\FCC ABOVE1G 5.8G\10

Memo:

Sample Number :S25123016-001 Power setting:11



Suspected Data List										
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3934.800	40.12	30.60	-24.73	0.00	45.99	74.00	28.01	PK	Vertical
2	5724.500	38.09	33.60	-20.21	0.00	51.48	68.20	16.72	PK	Vertical
3	8524.000	44.82	37.43	-34.12	0.00	48.13	68.20	20.07	PK	Vertical
4	11208.100	40.46	38.88	-31.58	0.00	47.76	74.00	26.24	PK	Vertical
5	11934.900	40.90	38.81	-31.31	0.00	48.40	74.00	25.60	PK	Vertical
6	13677.150	36.82	39.90	-28.88	0.00	47.84	68.20	20.36	PK	Vertical

Note:

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

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-01-12

Tested By:

Nan Zhong

Test Mode:

TX N20 5825MHz Mode

Power Supply:

DC 12V

Condition:

Temp:24.7°C;Humi:48.9%

Test Site:

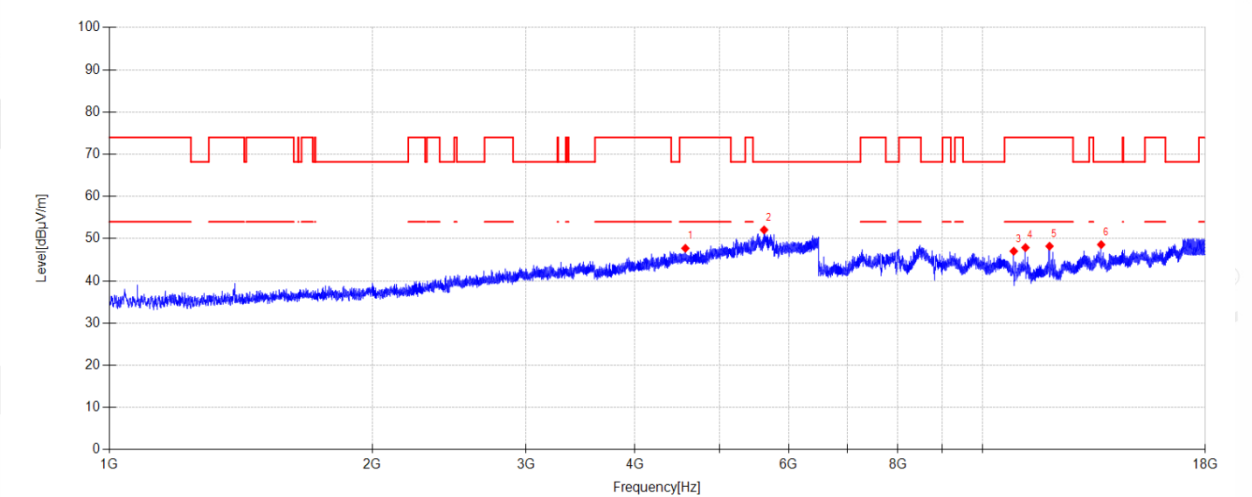
DDT 3# Chamber

File Path:

d:\ts\2025 test date\Q25123016-1E\FCC ABOVE1G 5.8G\11

Memo:

Sample Number :S25123016-001 Power setting:11



Suspected Data List										
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4568.400	39.29	31.89	-23.45	0.00	47.73	74.00	26.27	PK	Horizontal
2	5622.200	39.17	33.48	-20.56	0.00	52.09	68.20	16.11	PK	Horizontal
3	10860.800	41.80	38.80	-33.56	0.00	47.04	74.00	26.96	PK	Horizontal
4	11201.200	40.50	38.88	-31.49	0.00	47.89	74.00	26.11	PK	Horizontal
5	11934.900	40.72	38.81	-31.31	0.00	48.22	74.00	25.78	PK	Horizontal
6	13677.150	37.58	39.90	-28.88	0.00	48.60	68.20	19.60	PK	Horizontal

Note:

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

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-01-12

Tested By:

Nan Zhong

Test Mode:

TX N20 5825MHz Mode

Power Supply:

DC 12V

Condition:

Temp:24.7°C;Humi:48.9%

Test Site:

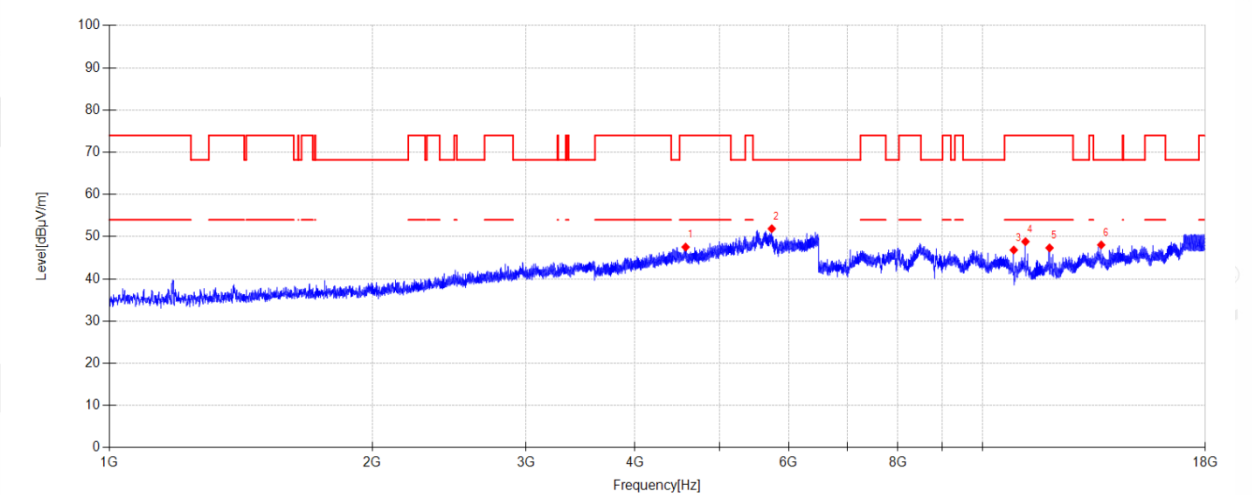
DDT 3# Chamber

File Path:

d:\ts\2025 test date\Q25123016-1E\FCC ABOVE1G 5.8G\12

Memo:

Sample Number :S25123016-001 Power setting:11



Suspected Data List										
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	4571.150	39.09	31.90	-23.44	0.00	47.55	74.00	26.45	PK	Vertical
2	5737.150	38.46	33.61	-20.17	0.00	51.90	68.20	16.30	PK	Vertical
3	10860.800	41.61	38.80	-33.56	0.00	46.85	74.00	27.15	PK	Vertical
4	11201.200	41.44	38.88	-31.49	0.00	48.83	74.00	25.17	PK	Vertical
5	11934.900	39.85	38.81	-31.31	0.00	47.35	74.00	26.65	PK	Vertical
6	13678.300	37.06	39.90	-28.90	0.00	48.06	68.20	20.14	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.

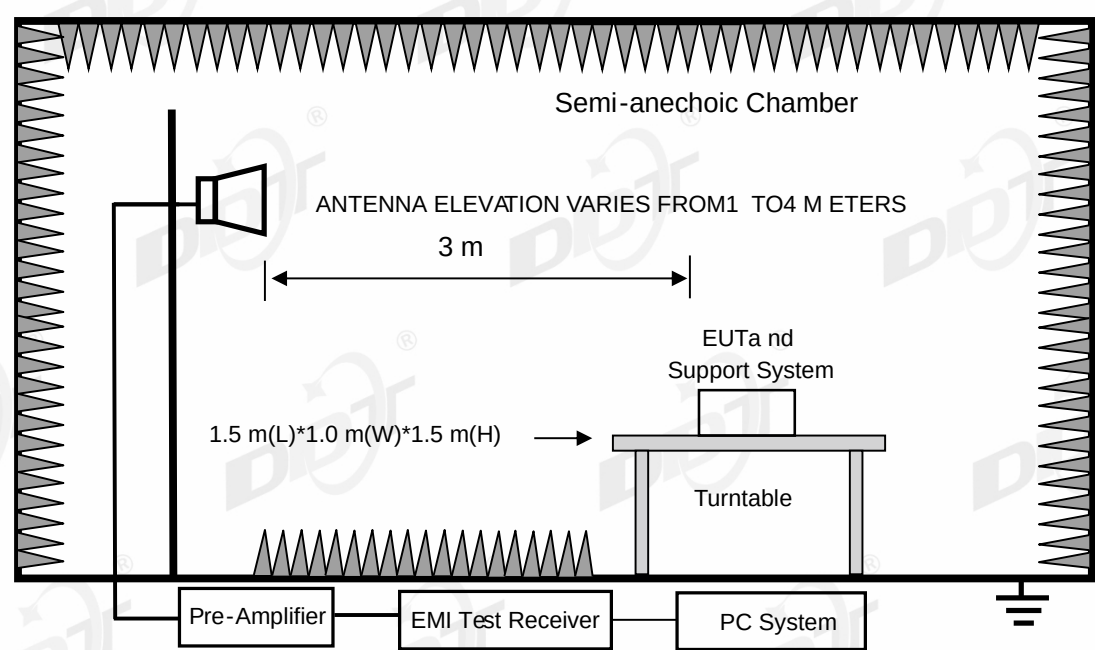
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

13. Band Edge Compliance

13.1. Test equipment

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

13.2. Block diagram of test setup



13.3. Limits

- (1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (4) 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.

13.4. Assistant equipment used for test

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

13.5. Test procedure

Same with Emissions in Restricted Frequency Bands except change investigated frequency range from 5.15-5.25 GHz, 5250-5350 GHz, 5470-5725 GHz, 5.725-5.85 GHz.

Remark: All restriction band have been tested, and only the worst case is shown in report.

13.6. Test result

PASS. (See below detailed test result)

13.7. Test data

TR-4-E-009 Radiated Emission Test Result

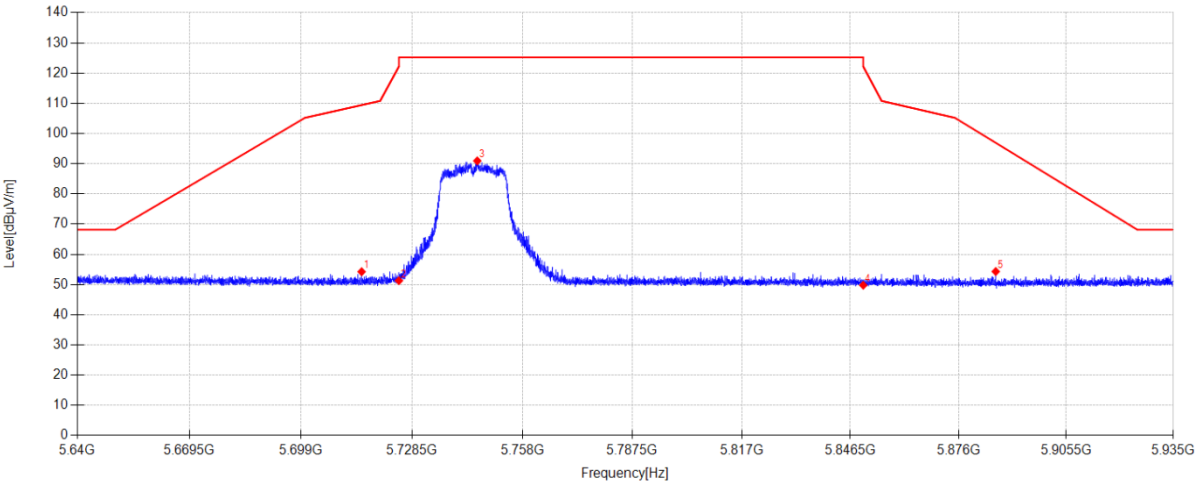
Test Date:2026-01-12Tested By:Nan Zhong

Test Mode:TX 11A 5745MHz ANT1 ModePower Supply:DC 12V

Condition:Temp:24.7°C;Humi:48.9%Test Site:DDT 3# Chamber

File Path:d:\ts\2025 test date\Q25123016-1E\FCC ABOVE1G 5.8G\43

Memo:Sample Number :S25123016-001 Power setting:11



Suspected Data List										
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5715.078	43.77	33.59	-23.12	0.00	54.24	109.42	55.18	PK	Horizontal
2	5725.000	40.81	33.60	-23.12	0.00	51.29	122.20	70.91	PK	Horizontal
3	5745.905	80.47	33.62	-23.13	0.00	90.96	125.20	34.24	PK	Horizontal
4	5850.000	39.42	33.74	-23.38	0.00	49.78	122.20	72.42	PK	Horizontal
5	5886.178	44.10	33.77	-23.55	0.00	54.32	96.93	42.61	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:

2026-01-12

Tested By:

Nan Zhong

Test Mode:

TX 11A 5745MHz ANT1 Mode

Power Supply:

DC 12V

Condition:

Temp:24.7°C;Humi:48.9%

Test Site:

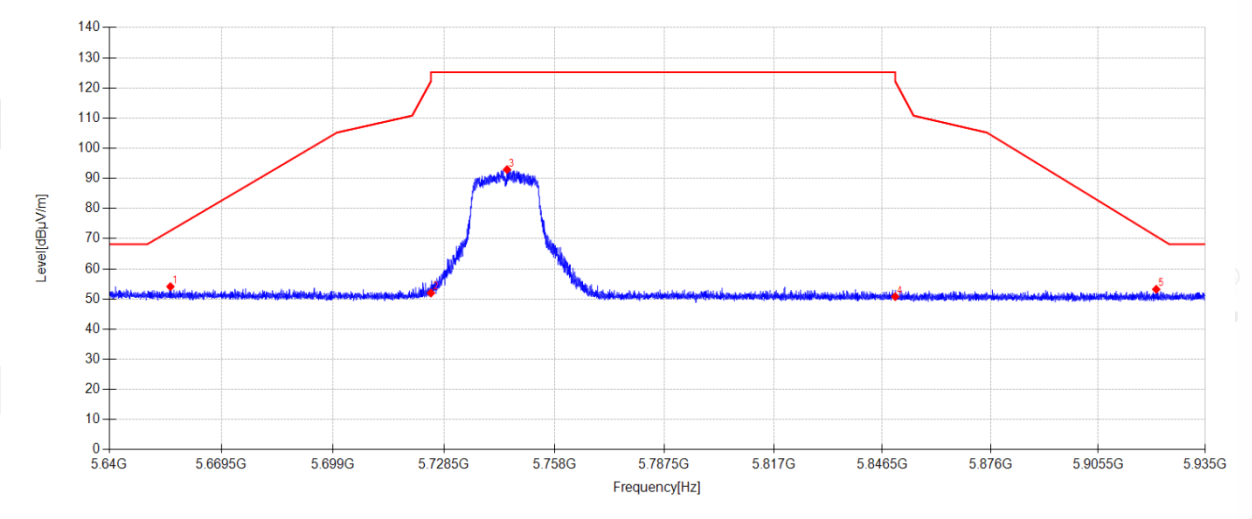
DDT 3# Chamber

File Path:

d:\ts\2025 test date\Q25123016-1E\FCC ABOVE1G 5.8G\44

Memo:

Sample Number :S25123016-001 Power setting:11



Suspected Data List										
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5656.048	43.34	33.52	-22.75	0.00	54.11	72.68	18.57	PK	Vertical
2	5725.000	41.49	33.60	-23.12	0.00	51.97	122.20	70.23	PK	Vertical
3	5745.315	82.44	33.62	-23.13	0.00	92.93	125.20	32.27	PK	Vertical
4	5850.000	40.44	33.74	-23.38	0.00	50.80	122.20	71.40	PK	Vertical
5	5921.460	42.89	33.81	-23.49	0.00	53.21	70.82	17.61	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:

2026-01-12

Tested By:

Nan Zhong

Test Mode:

TX 11A 5785MHz ANT1 Mode

Power Supply:

DC 12V

Condition:

Temp:24.7°C;Humi:48.9%

Test Site:

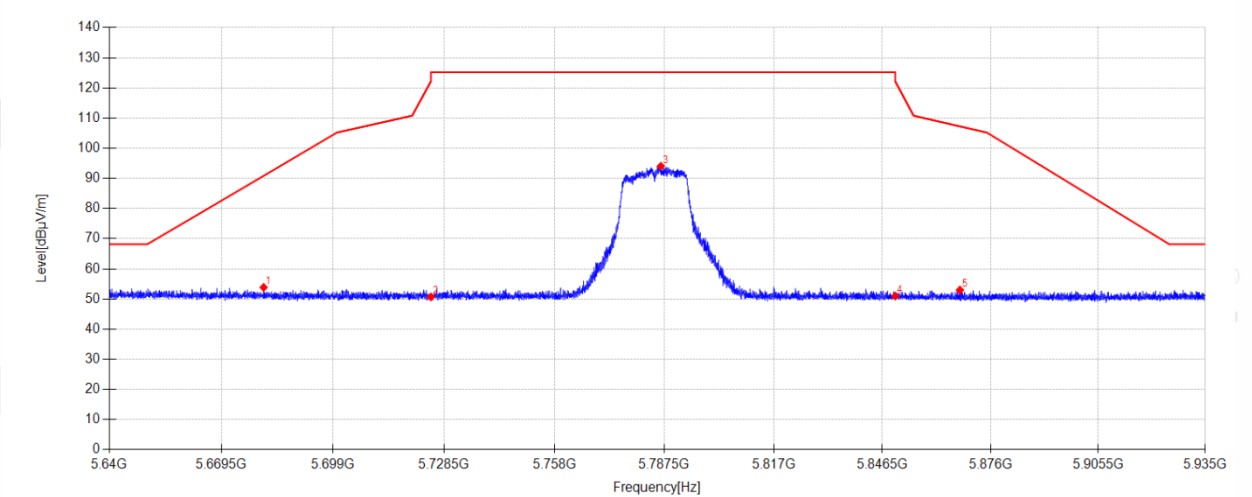
DDT 3# Chamber

File Path:

d:\ts\2025 test date\Q25123016-1E\FCC ABOVE1G 5.8G\47

Memo:

Sample Number :S25123016-001 Power setting:11



Suspected Data List										
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5680.622	43.26	33.55	-22.95	0.00	53.86	90.86	37.00	PK	Horizontal
2	5725.000	40.23	33.60	-23.12	0.00	50.71	122.20	71.49	PK	Horizontal
3	5786.556	83.49	33.67	-23.14	0.00	94.02	125.20	31.18	PK	Horizontal
4	5850.000	40.63	33.74	-23.38	0.00	50.99	122.20	71.21	PK	Horizontal
5	5867.622	42.68	33.75	-23.46	0.00	52.97	107.27	54.30	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:

2026-01-12

Tested By:

Nan Zhong

Test Mode:

TX 11A 5785MHz ANT1 Mode

Power Supply:

DC 12V

Condition:

Temp:24.7°C;Humi:48.9%

Test Site:

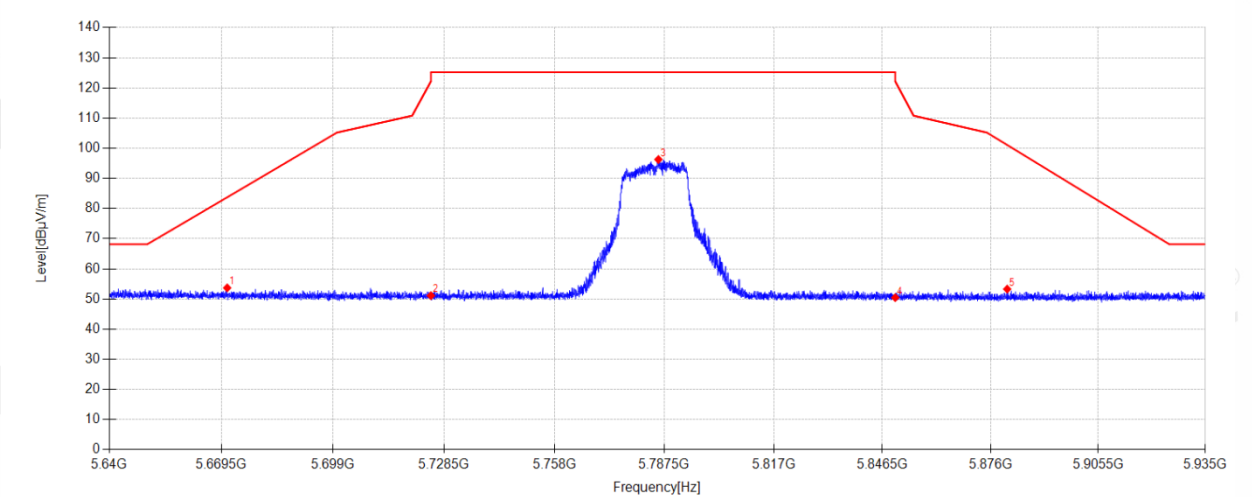
DDT 3# Chamber

File Path:

d:\ts\2025 test date\Q25123016-1E\FCC ABOVE1G 5.8G\48

Memo:

Sample Number :S25123016-001 Power setting:11



Suspected Data List										
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5671.005	43.03	33.54	-22.87	0.00	53.70	83.74	30.04	PK	Vertical
2	5725.000	40.65	33.60	-23.12	0.00	51.13	122.20	71.07	PK	Vertical
3	5785.907	85.76	33.66	-23.14	0.00	96.28	125.20	28.92	PK	Vertical
4	5850.000	40.11	33.74	-23.38	0.00	50.47	122.20	71.73	PK	Vertical
5	5880.543	43.04	33.77	-23.52	0.00	53.29	101.10	47.81	PK	Vertical

Note:

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

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-01-12

Tested By:

Nan Zhong

Test Mode:

TX 11A 5825MHz ANT1 Mode

Power Supply:

DC 12V

Condition:

Temp:24.7°C;Humi:48.9%

Test Site:

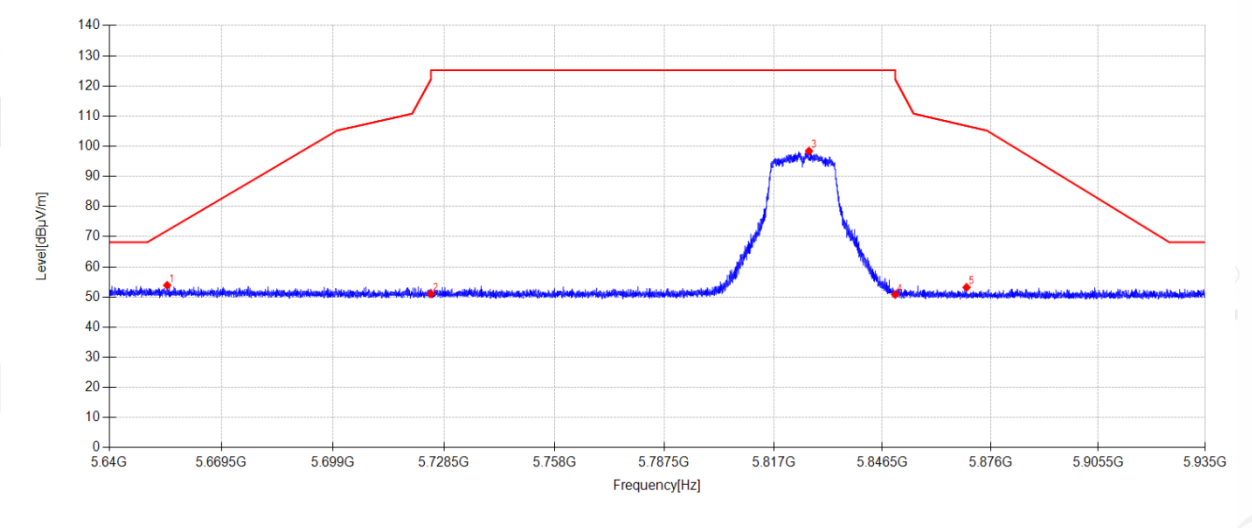
DDT 3# Chamber

File Path:

d:\ts\2025 test date\Q25123016-1E\FCC ABOVE1G 5.8G\53

Memo:

Sample Number :S25123016-001 Power setting:11



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5655.193	43.11	33.52	-22.74	0.00	53.89	72.04	18.15	PK	Horizontal
2	5725.000	40.56	33.60	-23.12	0.00	51.04	122.20	71.16	PK	Horizontal
3	5826.588	87.97	33.71	-23.27	0.00	98.41	125.20	26.79	PK	Horizontal
4	5850.000	40.46	33.74	-23.38	0.00	50.82	122.20	71.38	PK	Horizontal
5	5869.451	42.91	33.76	-23.47	0.00	53.20	106.75	53.55	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:

2026-01-12

Tested By:

Nan Zhong

Test Mode:

TX 11A 5825MHz ANT1 Mode

Power Supply:

DC 12V

Condition:

Temp:24.7°C;Humi:48.9%

Test Site:

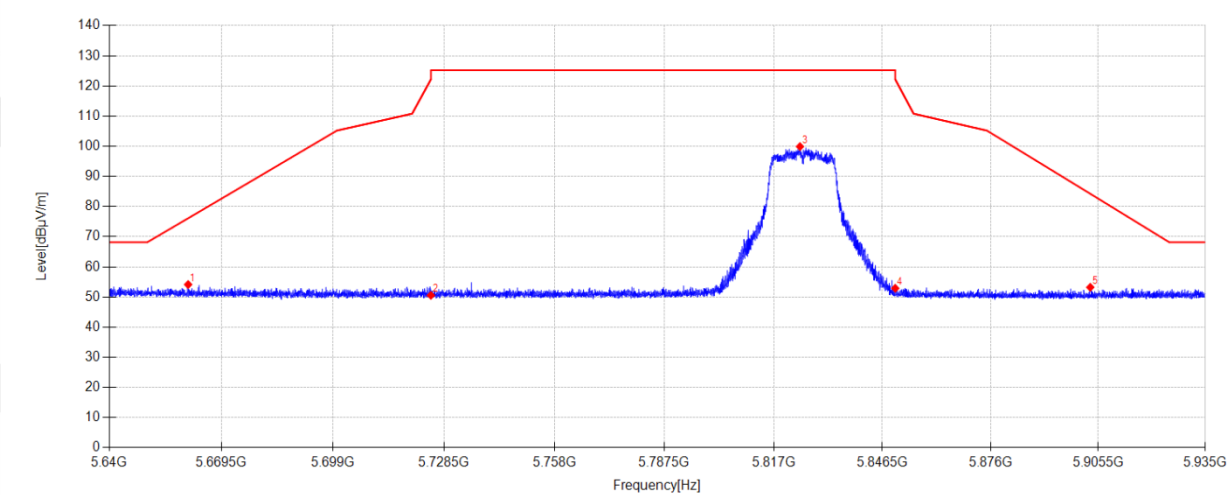
DDT 3# Chamber

File Path:

d:\ts\2025 test date\Q25123016-1E\FCC ABOVE1G 5.8G\54

Memo:

Sample Number :S25123016-001 Power setting:11



Suspected Data List										
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5660.709	43.41	33.53	-22.79	0.00	54.15	76.12	21.97	PK	Vertical
2	5725.000	40.08	33.60	-23.12	0.00	50.56	122.20	71.64	PK	Vertical
3	5824.139	89.45	33.71	-23.26	0.00	99.90	125.20	25.30	PK	Vertical
4	5850.000	42.55	33.74	-23.38	0.00	52.91	122.20	69.29	PK	Vertical
5	5903.317	43.03	33.79	-23.59	0.00	53.23	84.25	31.02	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:

2026-01-12

Tested By:

Nan Zhong

Test Mode:

TX N20 5745MHz Mode

Power Supply:

DC 12V

Condition:

Temp:24.7°C;Humi:48.9%

Test Site:

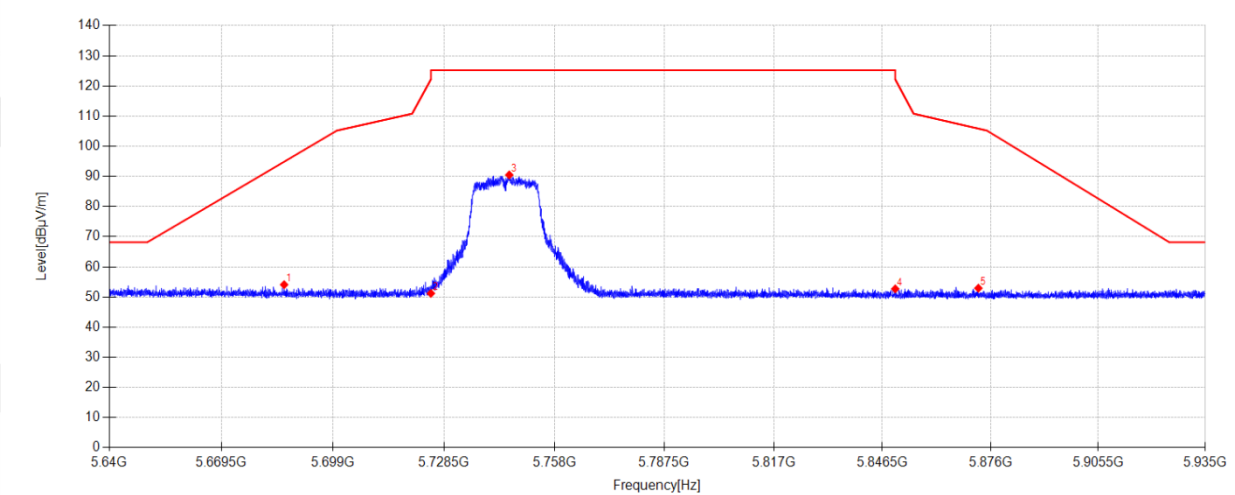
DDT 3# Chamber

File Path:

d:\ts\2025 test date\Q25123016-1E\FCC ABOVE1G 5.8G\31

Memo:

Sample Number :S25123016-001 Power setting:11



Suspected Data List										
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5686.050	43.54	33.55	-23.00	0.00	54.09	94.88	40.79	PK	Horizontal
2	5725.000	40.72	33.60	-23.12	0.00	51.20	122.20	71.00	PK	Horizontal
3	5745.905	80.01	33.62	-23.13	0.00	90.50	125.20	34.70	PK	Horizontal
4	5850.000	42.35	33.74	-23.38	0.00	52.71	122.20	69.49	PK	Horizontal
5	5872.667	42.66	33.76	-23.48	0.00	52.94	105.85	52.91	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:

2026-01-12

Tested By:

Nan Zhong

Test Mode:

TX N20 5745MHz Mode

Power Supply:

DC 12V

Condition:

Temp:24.7°C;Humi:48.9%

Test Site:

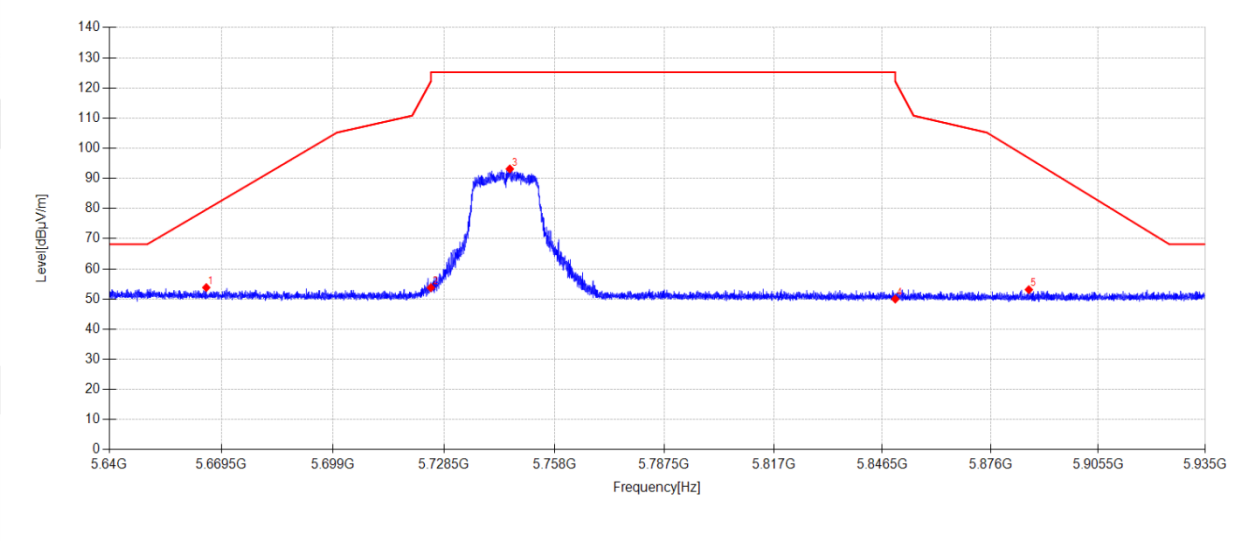
DDT 3# Chamber

File Path:

d:\ts\2025 test date\Q25123016-1E\FCC ABOVE1G 5.8G\32

Memo:

Sample Number :S25123016-001 Power setting:11



Suspected Data List										
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5665.488	43.11	33.53	-22.83	0.00	53.81	79.66	25.85	PK	Vertical
2	5725.000	43.29	33.60	-23.12	0.00	53.77	122.20	68.43	PK	Vertical
3	5746.053	82.66	33.62	-23.13	0.00	93.15	125.20	32.05	PK	Vertical
4	5850.000	39.63	33.74	-23.38	0.00	49.99	122.20	72.21	PK	Vertical
5	5886.473	42.87	33.78	-23.55	0.00	53.10	96.71	43.61	PK	Vertical

Note:

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

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-01-12

Tested By:

Nan Zhong

Test Mode:

TX N20 5785MHz Mode

Power Supply:

DC 12V

Condition:

Temp:24.7°C;Humi:48.9%

Test Site:

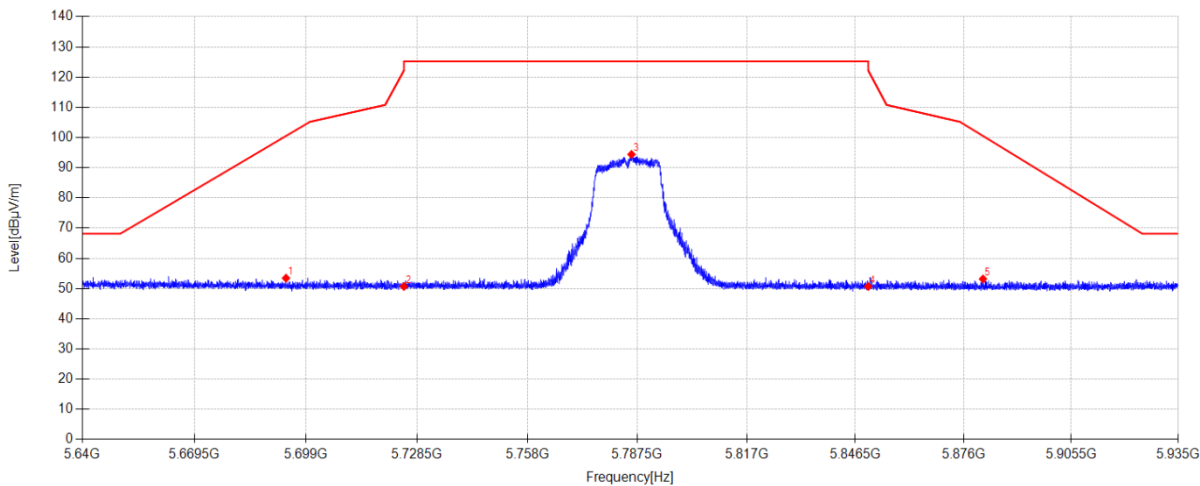
DDT 3# Chamber

File Path:

d:\ts\2025 test date\Q25123016-1E\FCC ABOVE1G 5.8G\29

Memo:

Sample Number :S25123016-001 Power setting:11



Suspected Data List										
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5693.690	42.95	33.56	-23.06	0.00	53.45	100.53	47.08	PK	Horizontal
2	5725.000	40.23	33.60	-23.12	0.00	50.71	122.20	71.49	PK	Horizontal
3	5785.937	83.90	33.66	-23.14	0.00	94.42	125.20	30.78	PK	Horizontal
4	5850.000	40.33	33.74	-23.38	0.00	50.69	122.20	71.51	PK	Horizontal
5	5881.310	42.94	33.77	-23.52	0.00	53.19	100.53	47.34	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:

2026-01-12

Tested By:

Nan Zhong

Test Mode:

TX N20 5785MHz Mode

Power Supply:

DC 12V

Condition:

Temp:24.7°C;Humi:48.9%

Test Site:

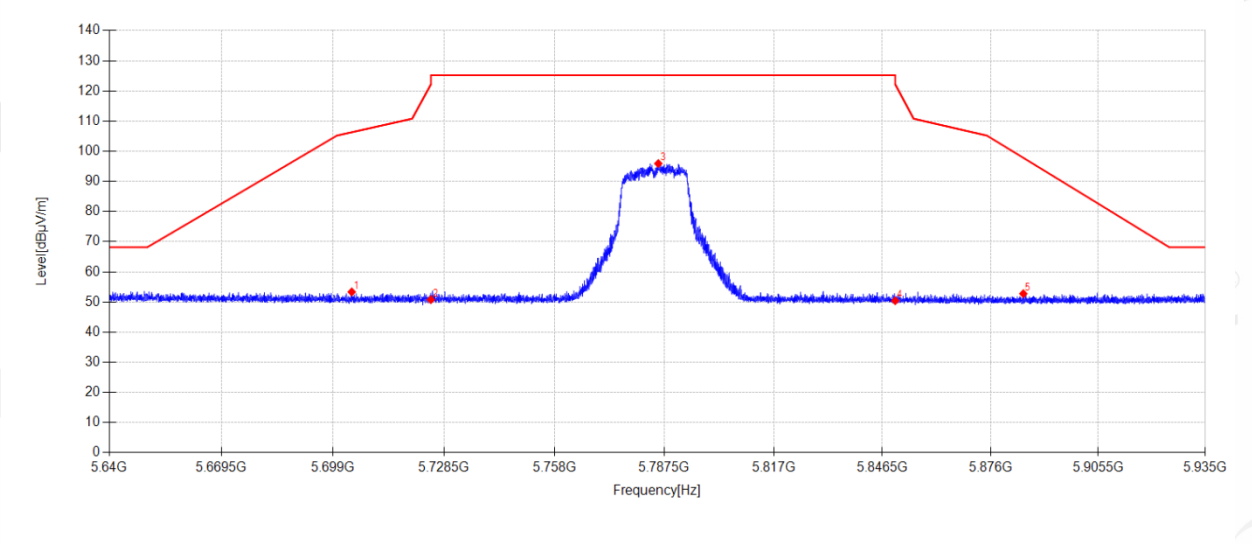
DDT 3# Chamber

File Path:

d:\ts\2025 test date\Q25123016-1E\FCC ABOVE1G 5.8G\30

Memo:

Sample Number :S25123016-001 Power setting:11



Suspected Data List										
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5703.956	42.89	33.57	-23.11	0.00	53.35	106.31	52.96	PK	Vertical
2	5725.000	40.30	33.60	-23.12	0.00	50.78	122.20	71.42	PK	Vertical
3	5785.878	85.40	33.66	-23.14	0.00	95.92	125.20	29.28	PK	Vertical
4	5850.000	40.07	33.74	-23.38	0.00	50.43	122.20	71.77	PK	Vertical
5	5884.968	42.53	33.77	-23.54	0.00	52.76	97.82	45.06	PK	Vertical

Note:

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

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-01-12

Tested By:

Nan Zhong

Test Mode:

TX N20 5825MHz Mode

Power Supply:

DC 12V

Condition:

Temp:24.7°C;Humi:48.9%

Test Site:

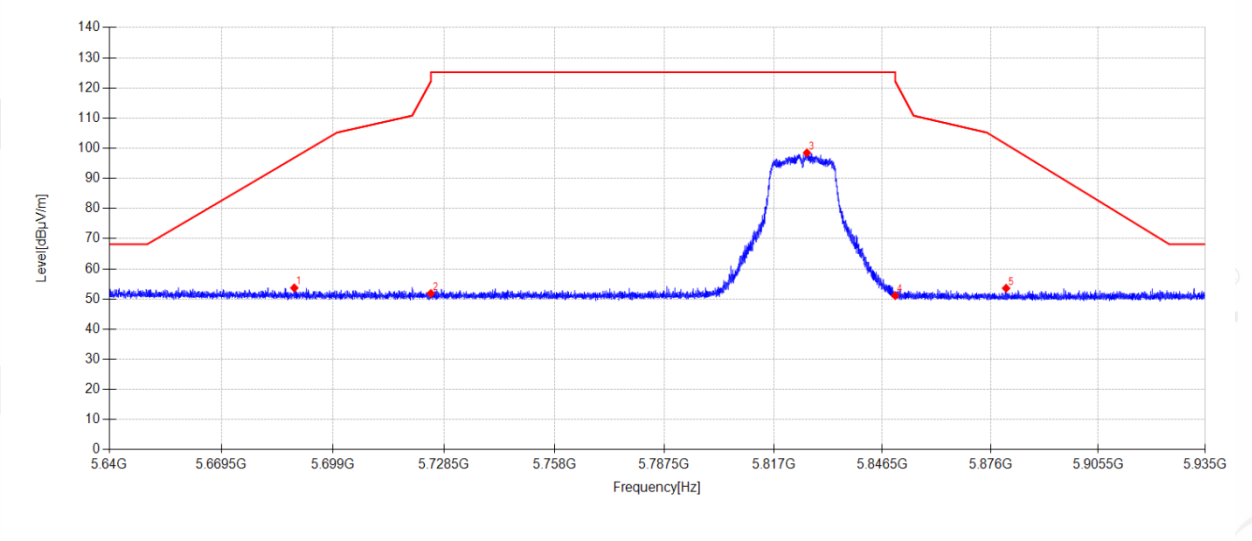
DDT 3# Chamber

File Path:

d:\ts\2025 test date\Q25123016-1E\FCC ABOVE1G 5.8G\27

Memo:

Sample Number :S25123016-001 Power setting:11



Suspected Data List										
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5688.734	43.14	33.56	-23.02	0.00	53.68	96.86	43.18	PK	Horizontal
2	5725.000	41.38	33.60	-23.12	0.00	51.86	122.20	70.34	PK	Horizontal
3	5826.027	88.05	33.71	-23.27	0.00	98.49	125.20	26.71	PK	Horizontal
4	5850.000	40.76	33.74	-23.38	0.00	51.12	122.20	71.08	PK	Horizontal
5	5880.248	43.32	33.77	-23.52	0.00	53.57	101.32	47.75	PK	Horizontal

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-01-12

Tested By:

Nan Zhong

Test Mode:

TX N20 5825MHz Mode

Power Supply:

DC 12V

Condition:

Temp:24.7°C;Humi:48.9%

Test Site:

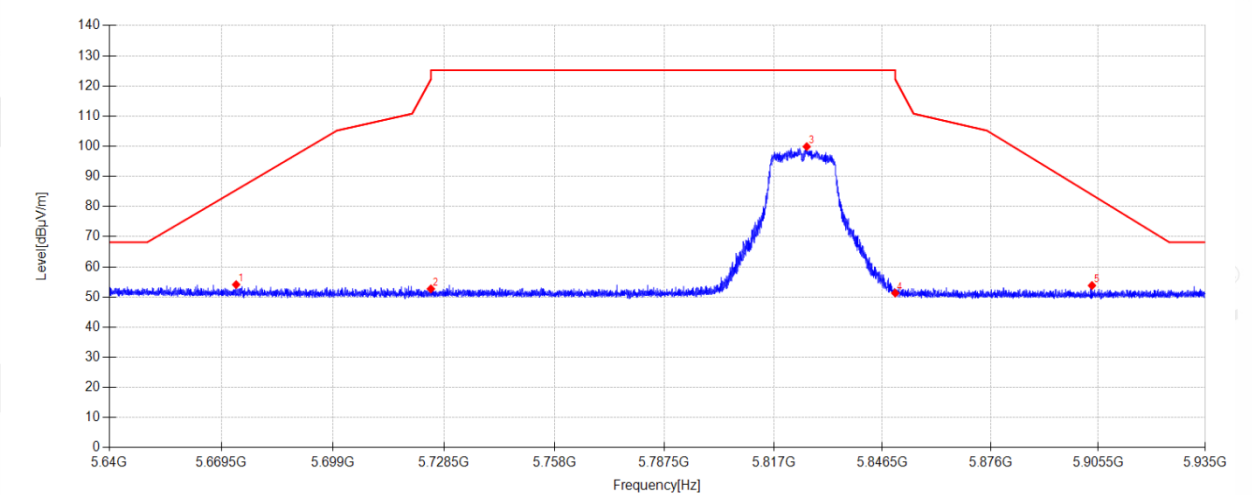
DDT 3# Chamber

File Path:

d:\ts\2025 test date\Q25123016-1E\FCC ABOVE1G 5.8G\28

Memo:

Sample Number :S25123016-001 Power setting:11



Suspected Data List										
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5673.365	43.47	33.54	-22.89	0.00	54.12	85.49	31.37	PK	Vertical
2	5725.000	42.22	33.60	-23.12	0.00	52.70	122.20	69.50	PK	Vertical
3	5825.968	89.44	33.71	-23.27	0.00	99.88	125.20	25.32	PK	Vertical
4	5850.000	40.94	33.74	-23.38	0.00	51.30	122.20	70.90	PK	Vertical
5	5903.789	43.61	33.79	-23.59	0.00	53.81	83.90	30.09	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:

2026-01-12

Tested By:

Nan Zhong

Test Mode:

TX AC20 5745MHz Mode

Power Supply:

DC 12V

Condition:

Temp:24.7°C;Humi:48.9%

Test Site:

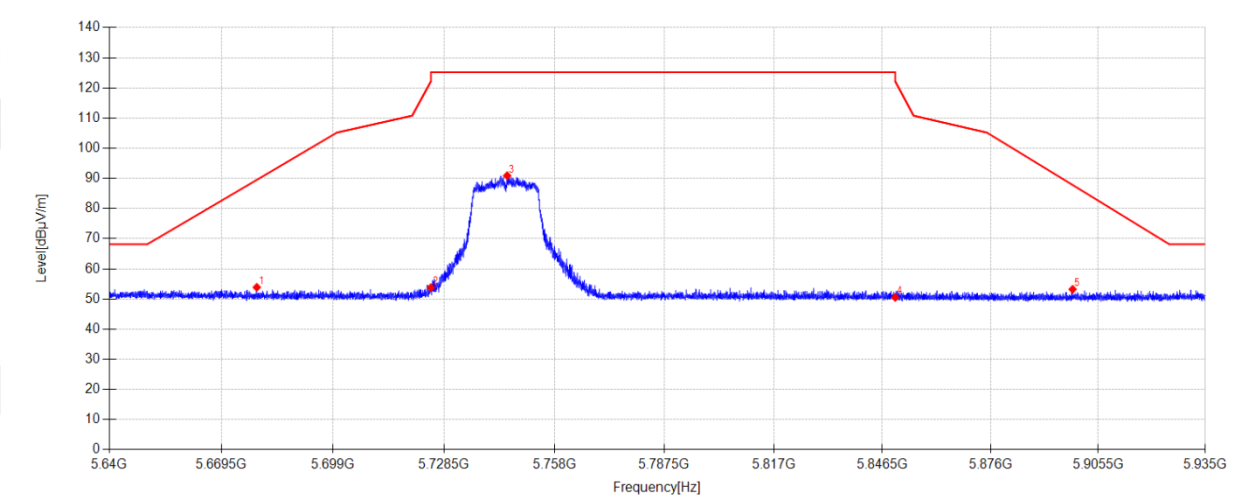
DDT 3# Chamber

File Path:

d:\ts\2025 test date\Q25123016-1E\FCC ABOVE1G 5.8G\33

Memo:

Sample Number :S25123016-001 Power setting:11



Suspected Data List										
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5678.822	43.28	33.55	-22.94	0.00	53.89	89.53	35.64	PK	Horizontal
2	5725.000	43.30	33.60	-23.12	0.00	53.78	122.20	68.42	PK	Horizontal
3	5745.345	80.41	33.62	-23.13	0.00	90.90	125.20	34.30	PK	Horizontal
4	5850.000	40.19	33.74	-23.38	0.00	50.55	122.20	71.65	PK	Horizontal
5	5898.479	43.04	33.79	-23.60	0.00	53.23	87.83	34.60	PK	Horizontal

Note:

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

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-01-12

Tested By:

Nan Zhong

Test Mode:

TX AC20 5745MHz Mode

Power Supply:

DC 12V

Condition:

Temp:24.7°C;Humi:48.9%

Test Site:

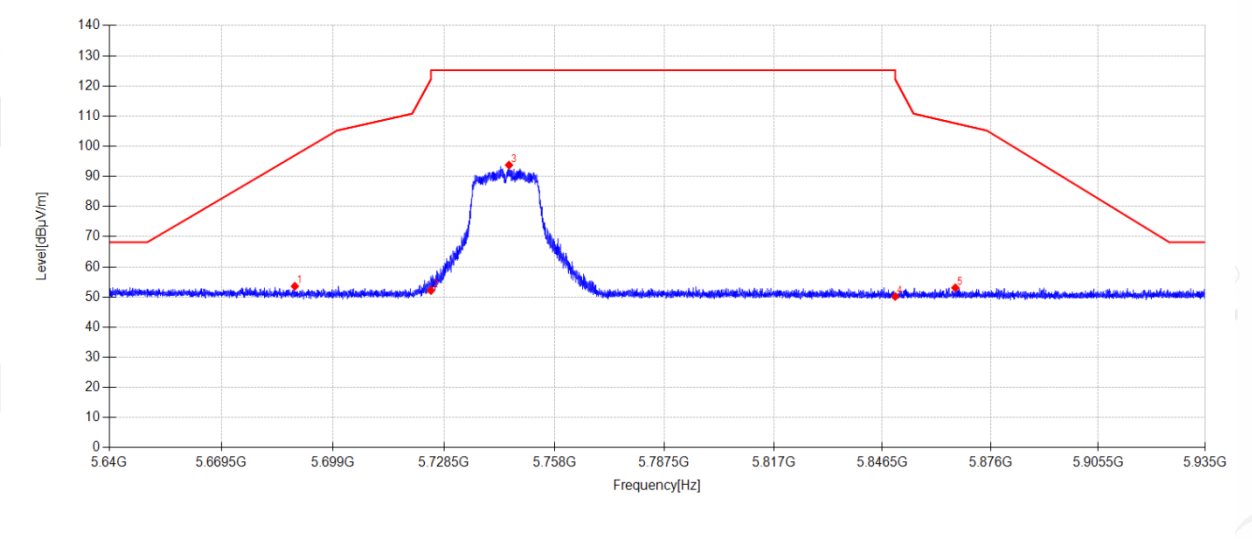
DDT 3# Chamber

File Path:

d:\ts\2025 test date\Q25123016-1E\FCC ABOVE1G 5.8G\34

Memo:

Sample Number :S25123016-001 Power setting:11



Suspected Data List										
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5688.882	43.03	33.56	-23.02	0.00	53.57	96.97	43.40	PK	Vertical
2	5725.000	41.67	33.60	-23.12	0.00	52.15	122.20	70.05	PK	Vertical
3	5745.846	83.26	33.62	-23.13	0.00	93.75	125.20	31.45	PK	Vertical
4	5850.000	39.83	33.74	-23.38	0.00	50.19	122.20	72.01	PK	Vertical
5	5866.383	42.76	33.75	-23.46	0.00	53.05	107.61	54.56	PK	Vertical

Note:

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

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-01-12

Tested By:

Nan Zhong

Test Mode:

TX AC20 5785MHz Mode

Power Supply:

DC 12V

Condition:

Temp:24.7°C;Humi:48.9%

Test Site:

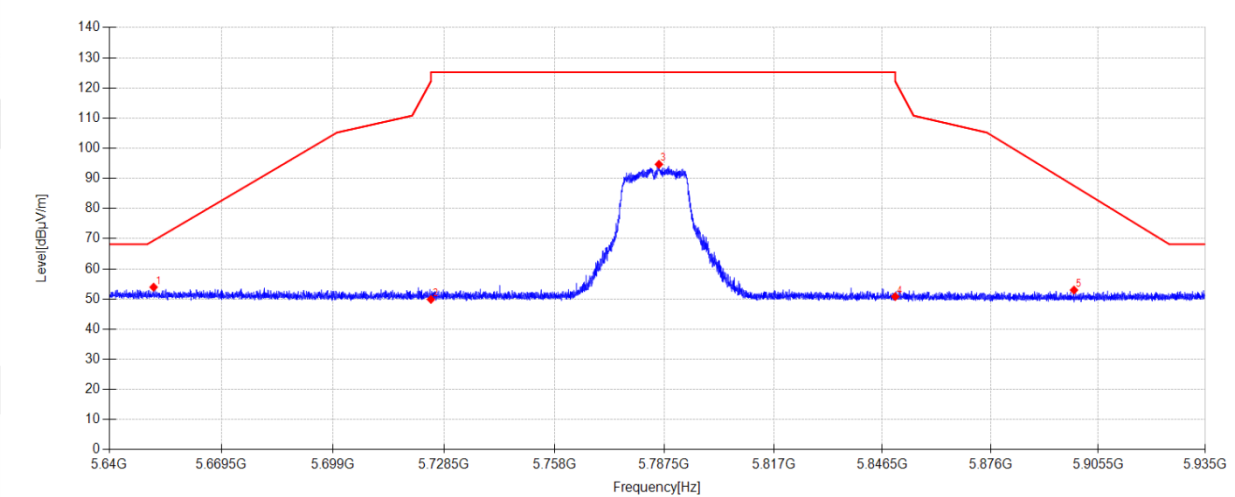
DDT 3# Chamber

File Path:

d:\ts\2025 test date\Q25123016-1E\FCC ABOVE1G 5.8G\35

Memo:

Sample Number :S25123016-001 Power setting:11



Suspected Data List										
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5651.623	43.11	33.52	-22.71	0.00	53.92	69.40	15.48	PK	Horizontal
2	5725.000	39.39	33.60	-23.12	0.00	49.87	122.20	72.33	PK	Horizontal
3	5786.055	84.16	33.66	-23.14	0.00	94.68	125.20	30.52	PK	Horizontal
4	5850.000	40.45	33.74	-23.38	0.00	50.81	122.20	71.39	PK	Horizontal
5	5898.863	42.78	33.79	-23.60	0.00	52.97	87.54	34.57	PK	Horizontal

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-01-12

Tested By:

Nan Zhong

Test Mode:

TX AC20 5785MHz Mode

Power Supply:

DC 12V

Condition:

Temp:24.7°C;Humi:48.9%

Test Site:

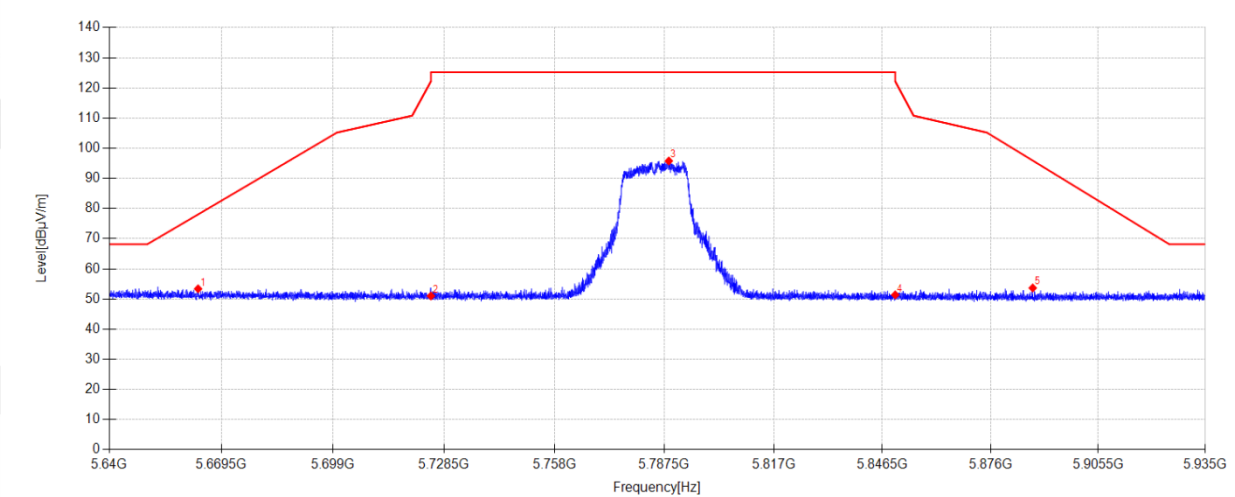
DDT 3# Chamber

File Path:

d:\ts\2025 test date\Q25123016-1E\FCC ABOVE1G 5.8G\36

Memo:

Sample Number :S25123016-001 Power setting:11



Suspected Data List										
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5663.335	42.66	33.53	-22.81	0.00	53.38	78.07	24.69	PK	Vertical
2	5725.000	40.53	33.60	-23.12	0.00	51.01	122.20	71.19	PK	Vertical
3	5788.710	85.27	33.67	-23.15	0.00	95.79	125.20	29.41	PK	Vertical
4	5850.000	41.02	33.74	-23.38	0.00	51.38	122.20	70.82	PK	Vertical
5	5887.535	43.44	33.78	-23.55	0.00	53.67	95.92	42.25	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.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-01-12

Tested By:

Nan Zhong

Test Mode:

TX AC20 5825MHz Mode

Power Supply:

DC 12V

Condition:

Temp:24.7°C;Humi:48.9%

Test Site:

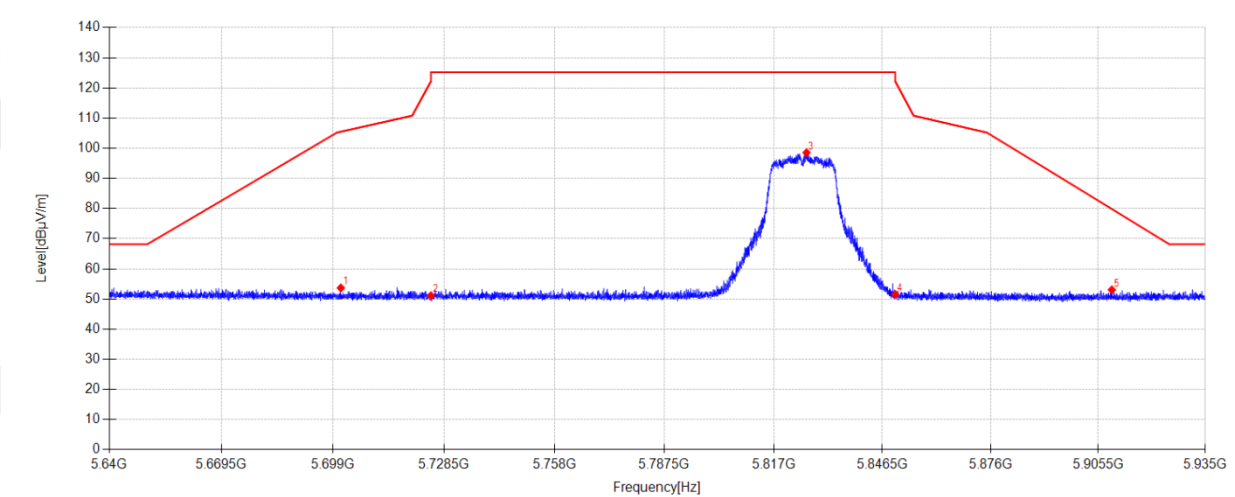
DDT 3# Chamber

File Path:

d:\ts\2025 test date\Q25123016-1E\FCC ABOVE1G 5.8G\37

Memo:

Sample Number :S25123016-001 Power setting:11



Suspected Data List										
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5701.065	43.22	33.57	-23.11	0.00	53.68	105.50	51.82	PK	Horizontal
2	5725.000	40.65	33.60	-23.12	0.00	51.13	122.20	71.07	PK	Horizontal
3	5825.909	88.13	33.71	-23.27	0.00	98.57	125.20	26.63	PK	Horizontal
4	5850.000	41.17	33.74	-23.38	0.00	51.53	122.20	70.67	PK	Horizontal
5	5909.247	42.81	33.80	-23.56	0.00	53.05	79.86	26.81	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:

2026-01-12

Tested By:

Nan Zhong

Test Mode:

TX AC20 5825MHz Mode

Power Supply:

DC 12V

Condition:

Temp:24.7°C;Humi:48.9%

Test Site:

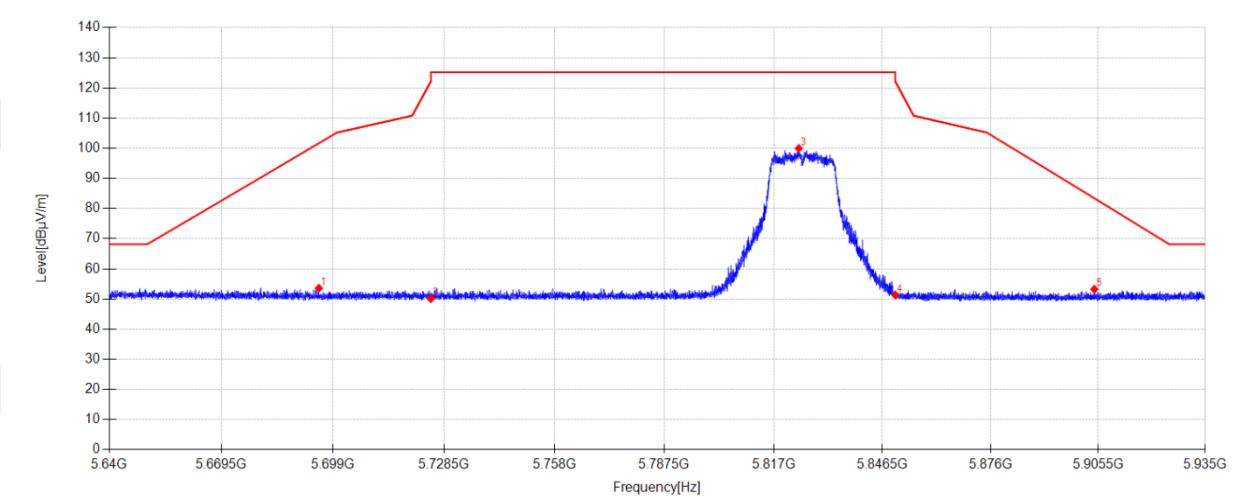
DDT 3# Chamber

File Path:

d:\ts\2025 test date\Q25123016-1E\FCC ABOVE1G 5.8G\38

Memo:

Sample Number :S25123016-001 Power setting:11



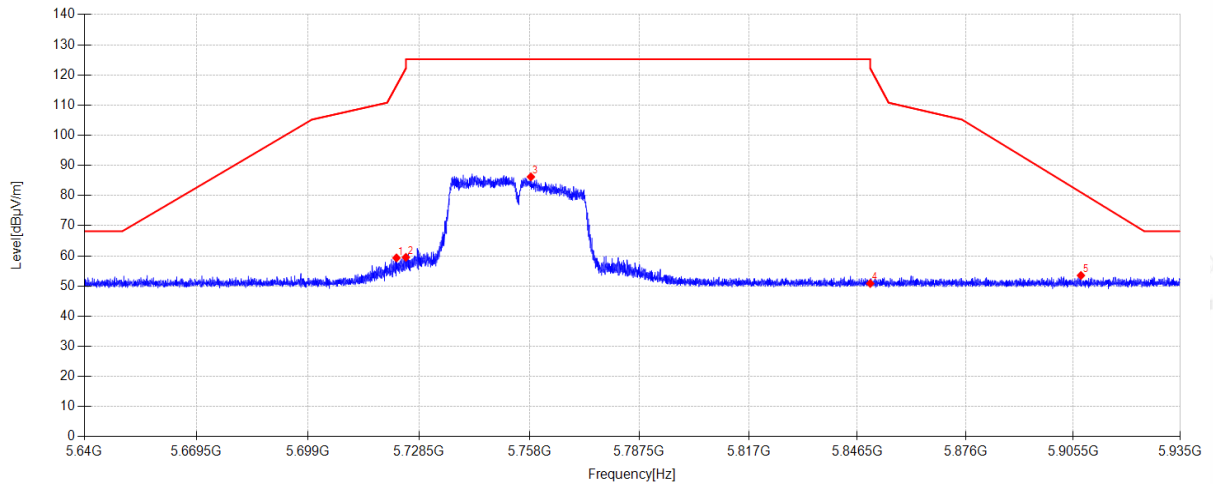
Suspected Data List										
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5695.224	43.08	33.56	-23.07	0.00	53.57	101.67	48.10	PK	Vertical
2	5725.000	39.62	33.60	-23.12	0.00	50.10	122.20	72.10	PK	Vertical
3	5823.815	89.50	33.71	-23.26	0.00	99.95	125.20	25.25	PK	Vertical
4	5850.000	41.02	33.74	-23.38	0.00	51.38	122.20	70.82	PK	Vertical
5	5904.438	43.04	33.79	-23.59	0.00	53.24	83.42	30.18	PK	Vertical

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-01-21 **Tested By:** Nan Zhong
Test Mode: TX N40 5755MHz Mode **Power Supply:** DC 12V
Condition: Temp:21.5°C;Humi:46.1% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 test date\Q25123016-1E\FCC ABOVE1G 5.8G\58
Memo: Sample Number :S25123016-001 Power setting:11

**Suspected Data List**

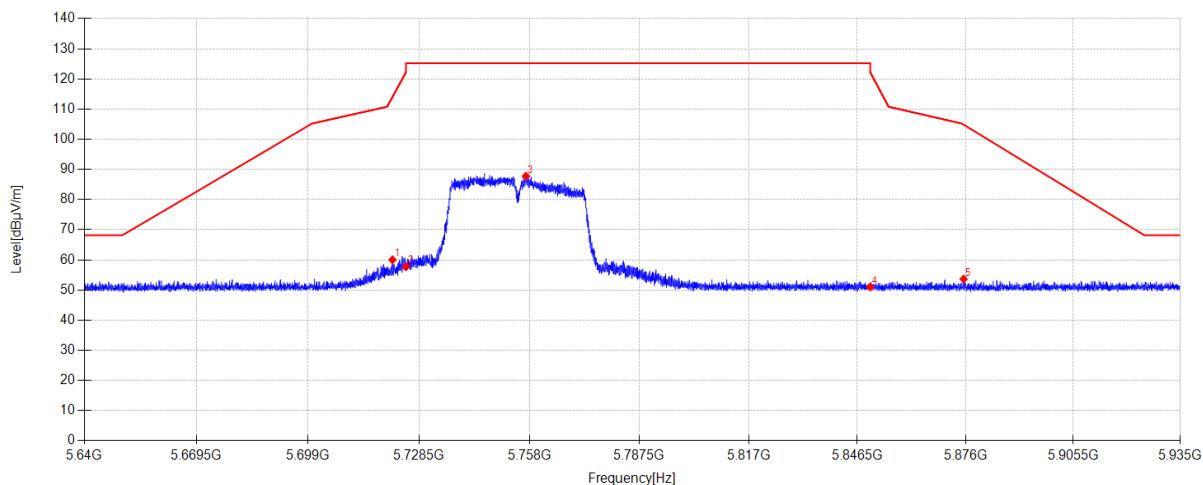
N O.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5722.482	48.71	33.59	-22.97	0.00	59.33	116.46	57.13	PK	Horizontal
2	5725.000	48.89	33.60	-22.97	0.00	59.52	122.20	62.68	PK	Horizontal
3	5758.384	75.54	33.63	-22.96	0.00	86.21	125.20	38.99	PK	Horizontal
4	5850.000	40.18	33.74	-23.08	0.00	50.84	122.20	71.36	PK	Horizontal
5	5907.624	42.91	33.80	-23.20	0.00	53.51	81.06	27.55	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: 2026-01-21 **Tested By:** Nan Zhong
Test Mode: TX N40 5755MHz Mode **Power Supply:** DC 12V
Condition: Temp:21.5°C;Humi:46.1% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 test date\Q25123016-1E\FCC ABOVE1G 5.8G\59
Memo: Sample Number :S25123016-001 Power setting:11

**Suspected Data List**

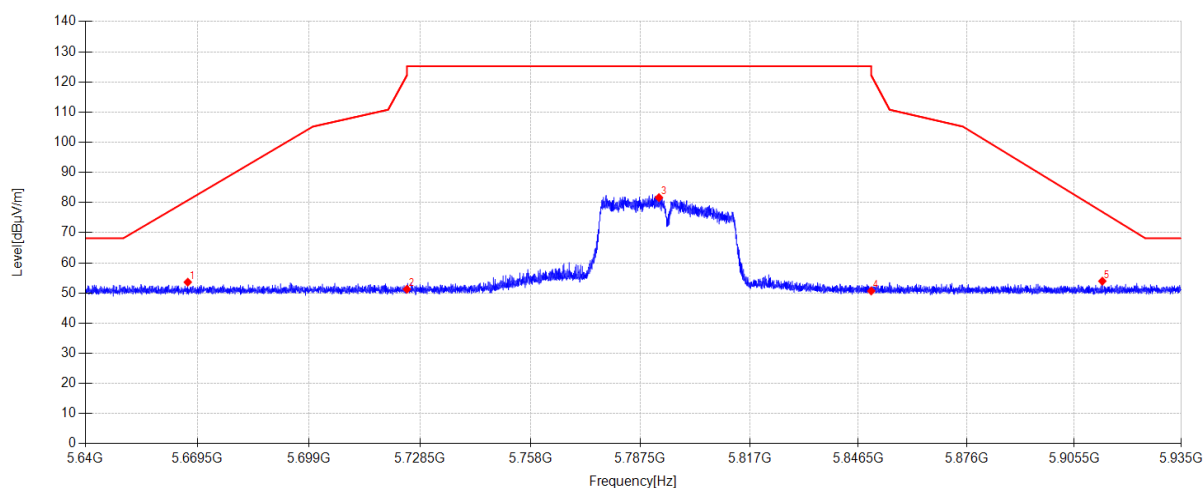
N O.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5721.420	49.41	33.59	-22.97	0.00	60.03	114.04	54.01	PK	Vertical
2	5725.000	47.07	33.60	-22.97	0.00	57.70	122.20	64.50	PK	Vertical
3	5757.056	77.10	33.63	-22.96	0.00	87.77	125.20	37.43	PK	Vertical
4	5850.000	40.37	33.74	-23.08	0.00	51.03	122.20	71.17	PK	Vertical
5	5875.469	43.04	33.76	-23.15	0.00	53.65	104.85	51.20	PK	Vertical

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-01-21 **Tested By:** Nan Zhong
Test Mode: TX N40 5795MHz Mode **Power Supply:** DC 12V
Condition: Temp:21.5°C;Humi:46.1% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 test date\Q25123016-1E\FCC ABOVE1G 5.8G\60
Memo: Sample Number :S25123016-001 Power setting:11



Suspected Data List

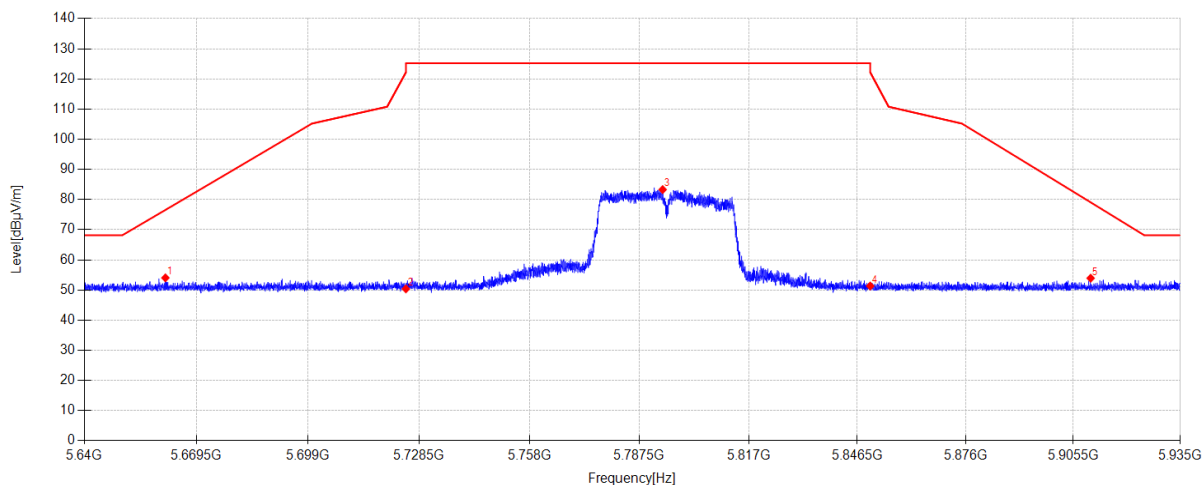
N O.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5666.934	43.20	33.53	-23.13	0.00	53.60	80.73	27.13	PK	Horizontal
2	5725.000	40.62	33.60	-22.97	0.00	51.25	122.20	70.95	PK	Horizontal
3	5792.515	70.93	33.67	-22.94	0.00	81.66	125.20	43.54	PK	Horizontal
4	5850.000	40.02	33.74	-23.08	0.00	50.68	122.20	71.52	PK	Horizontal
5	5913.229	43.33	33.80	-23.19	0.00	53.94	76.91	22.97	PK	Horizontal

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-01-21 **Tested By:** Nan Zhong
Test Mode: TX N40 5795MHz Mode **Power Supply:** DC 12V
Condition: Temp:21.5°C;Humi:46.1% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 test date\Q25123016-1E\FCC ABOVE1G 5.8G\61
Memo: Sample Number :S25123016-001 Power setting:11

**Suspected Data List**

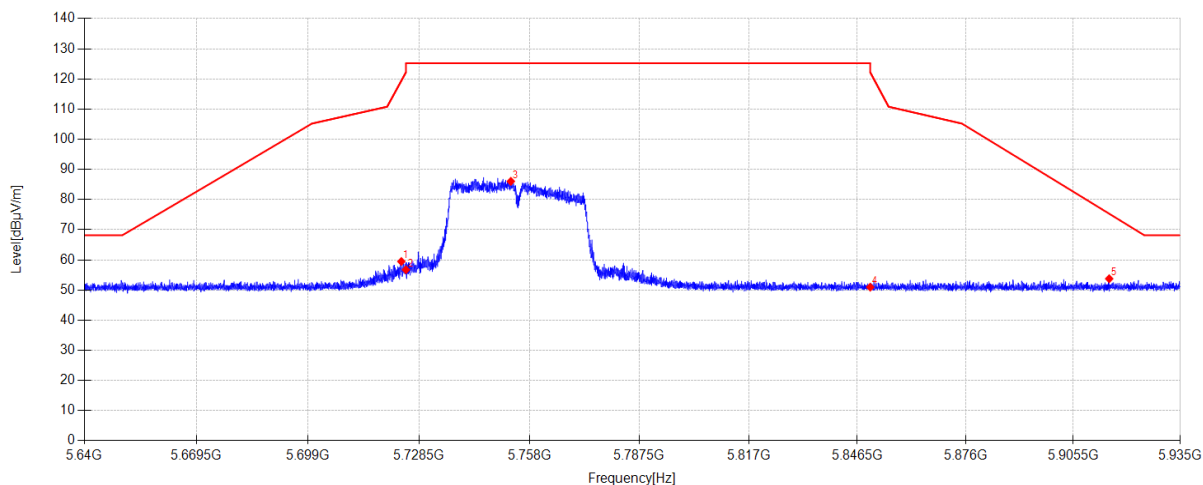
N O.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5661.299	43.66	33.53	-23.15	0.00	54.04	76.56	22.52	PK	Vertical
2	5725.000	39.76	33.60	-22.97	0.00	50.39	122.20	71.81	PK	Vertical
3	5793.784	72.57	33.67	-22.94	0.00	83.30	125.20	41.90	PK	Vertical
4	5850.000	40.68	33.74	-23.08	0.00	51.34	122.20	70.86	PK	Vertical
5	5910.279	43.33	33.80	-23.20	0.00	53.93	79.09	25.16	PK	Vertical

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-01-21 **Tested By:** Nan Zhong
Test Mode: TX AC40 5755MHz Mode **Power Supply:** DC 12V
Condition: Temp:21.5°C;Humi:46.1% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 test date\Q25123016-1E\FCC ABOVE1G 5.8G\64
Memo: Sample Number :S25123016-001 Power setting:11

**Suspected Data List**

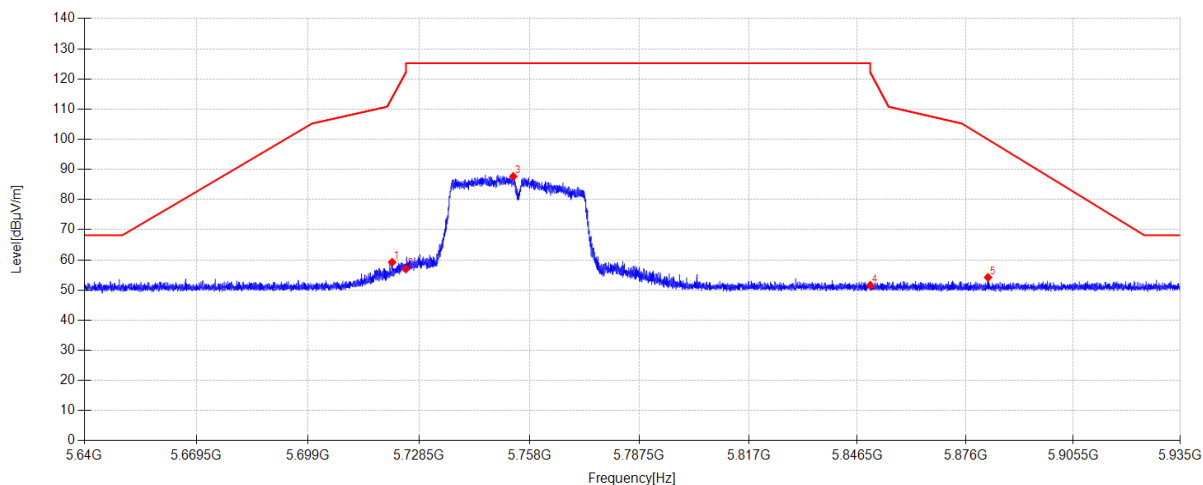
N O.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5723.780	48.84	33.60	-22.97	0.00	59.47	119.42	59.95	PK	Horizontal
2	5725.000	46.10	33.60	-22.97	0.00	56.73	122.20	65.47	PK	Horizontal
3	5753.015	75.38	33.63	-22.96	0.00	86.05	125.20	39.15	PK	Horizontal
4	5850.000	40.29	33.74	-23.08	0.00	50.95	122.20	71.25	PK	Horizontal
5	5915.383	43.13	33.81	-23.19	0.00	53.75	75.32	21.57	PK	Horizontal

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-01-21 **Tested By:** Nan Zhong
Test Mode: TX AC40 5755MHz Mode **Power Supply:** DC 12V
Condition: Temp:21.5°C;Humi:46.1% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 test date\Q25123016-1E\FCC ABOVE1G 5.8G\65
Memo: Sample Number :S25123016-001 Power setting:11

**Suspected Data List**

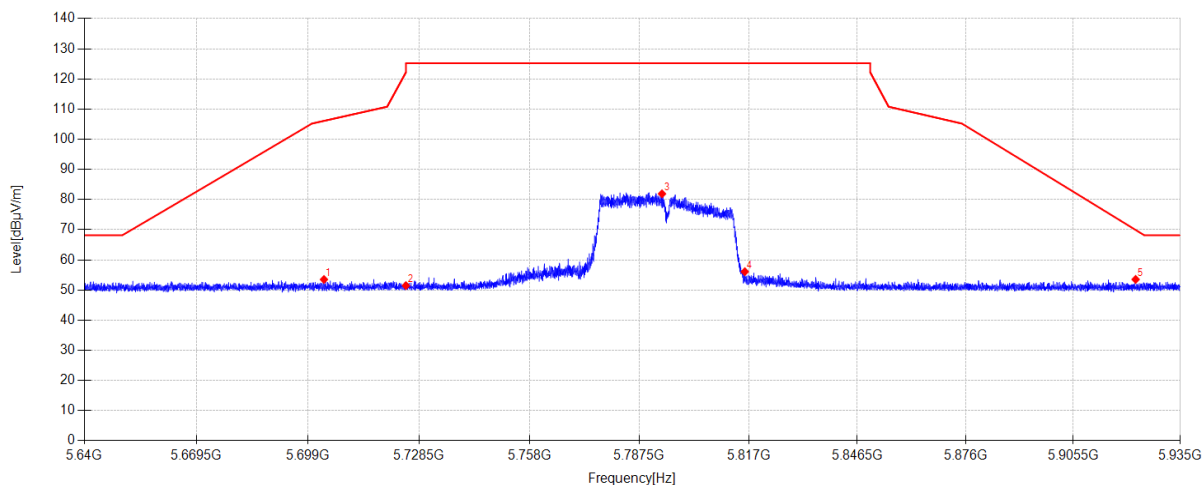
N O.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5721.332	48.57	33.59	-22.97	0.00	59.19	113.84	54.65	PK	Vertical
2	5725.000	46.35	33.60	-22.97	0.00	56.98	122.20	65.22	PK	Vertical
3	5753.664	76.99	33.63	-22.96	0.00	87.66	125.20	37.54	PK	Vertical
4	5850.000	40.90	33.74	-23.08	0.00	51.56	122.20	70.64	PK	Vertical
5	5882.136	43.60	33.77	-23.17	0.00	54.20	99.92	45.72	PK	Vertical

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-01-21 **Tested By:** Nan Zhong
Test Mode: TX AC40 5795MHz Mode **Power Supply:** DC 12V
Condition: Temp:21.5°C;Humi:46.1% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 test date\Q25123016-1E\FCC ABOVE1G 5.8G\62
Memo: Sample Number :S25123016-001 Power setting:11



Suspected Data List

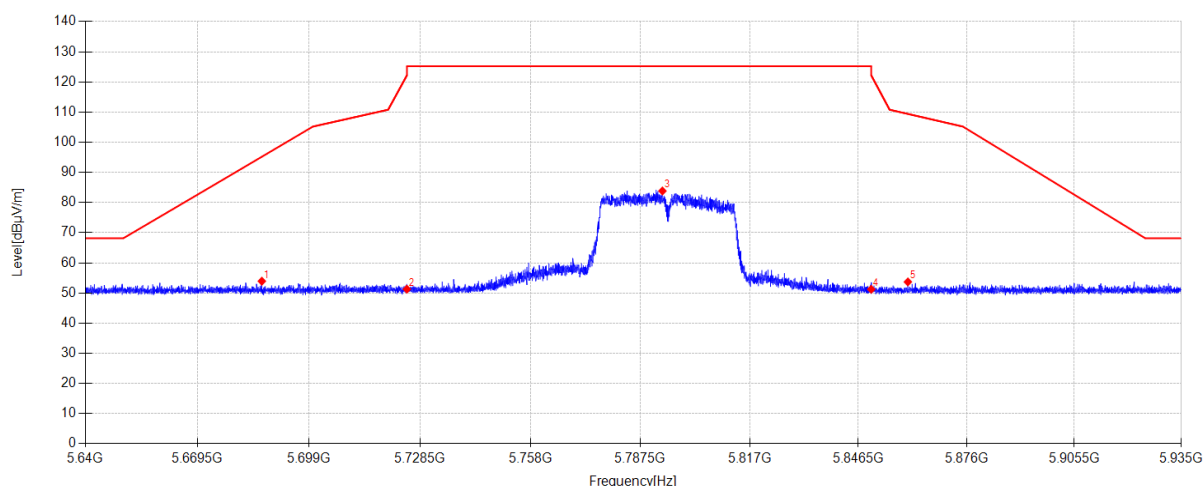
N O.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5703.219	42.92	33.57	-22.98	0.00	53.51	106.10	52.59	PK	Horizontal
2	5725.000	40.83	33.60	-22.97	0.00	51.46	122.20	70.74	PK	Horizontal
3	5793.607	71.18	33.67	-22.94	0.00	81.91	125.20	43.29	PK	Horizontal
4	5815.968	45.37	33.70	-22.98	0.00	56.09	125.20	69.11	PK	Horizontal
5	5922.669	42.88	33.81	-23.17	0.00	53.52	69.92	16.40	PK	Horizontal

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date: 2026-01-21 **Tested By:** Nan Zhong
Test Mode: TX AC40 5795MHz Mode **Power Supply:** DC 12V
Condition: Temp:21.5°C;Humi:46.1% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 test date\Q25123016-1E\FCC ABOVE1G 5.8G\63
Memo: Sample Number :S25123016-001 Power setting:11



Suspected Data List

N O.	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5686.492	43.41	33.56	-23.04	0.00	53.93	95.20	41.27	PK	Vertical
2	5725.000	40.65	33.60	-22.97	0.00	51.28	122.20	70.92	PK	Vertical
3	5793.459	73.12	33.67	-22.94	0.00	83.85	125.20	41.35	PK	Vertical
4	5850.000	40.58	33.74	-23.08	0.00	51.24	122.20	70.96	PK	Vertical
5	5859.982	43.05	33.75	-23.11	0.00	53.69	109.41	55.72	PK	Vertical

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-01-12

Tested By:

Nan Zhong

Test Mode:

TX AC80 5775MHz Mode

Power Supply:

DC 12V

Condition:

Temp:24.7°C;Humi:48.9%

Test Site:

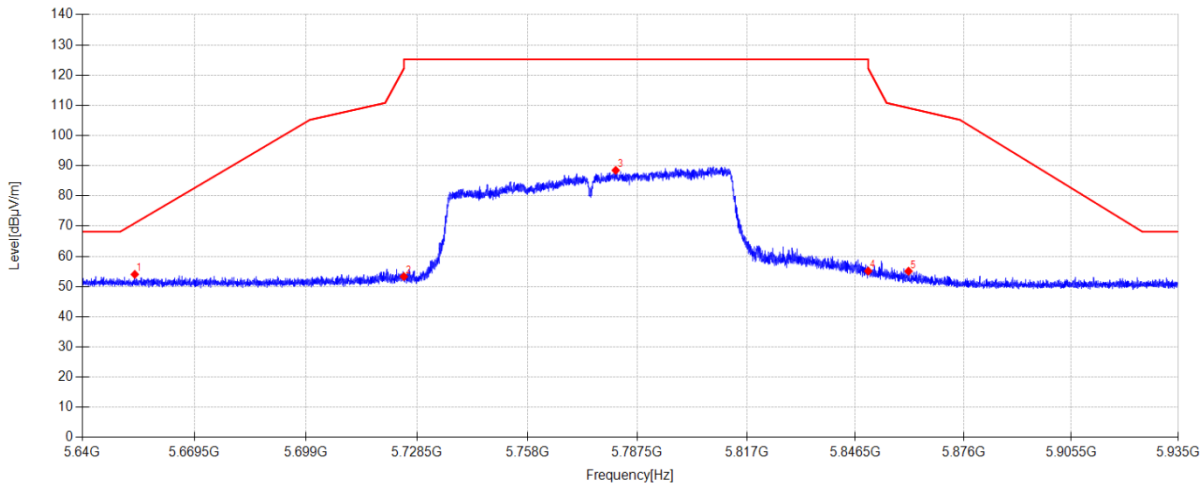
DDT 3# Chamber

File Path:

d:\ts\2025 test date\Q25123016-1E\FCC ABOVE1G 5.8G\55

Memo:

Sample Number :S25123016-001 Power setting:11



Suspected Data List										
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5653.777	43.24	33.52	-22.73	0.00	54.03	70.99	16.96	PK	Horizontal
2	5725.000	42.84	33.60	-23.12	0.00	53.32	122.20	68.88	PK	Horizontal
3	5781.689	77.97	33.66	-23.14	0.00	88.49	125.20	36.71	PK	Horizontal
4	5850.000	44.77	33.74	-23.38	0.00	55.13	122.20	67.07	PK	Horizontal
5	5860.985	44.76	33.75	-23.43	0.00	55.08	109.12	54.04	PK	Horizontal

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2026-01-12

Tested By:

Nan Zhong

Test Mode:

TX AC80 5775MHz Mode

Power Supply:

DC 12V

Condition:

Temp:24.7°C;Humi:48.9%

Test Site:

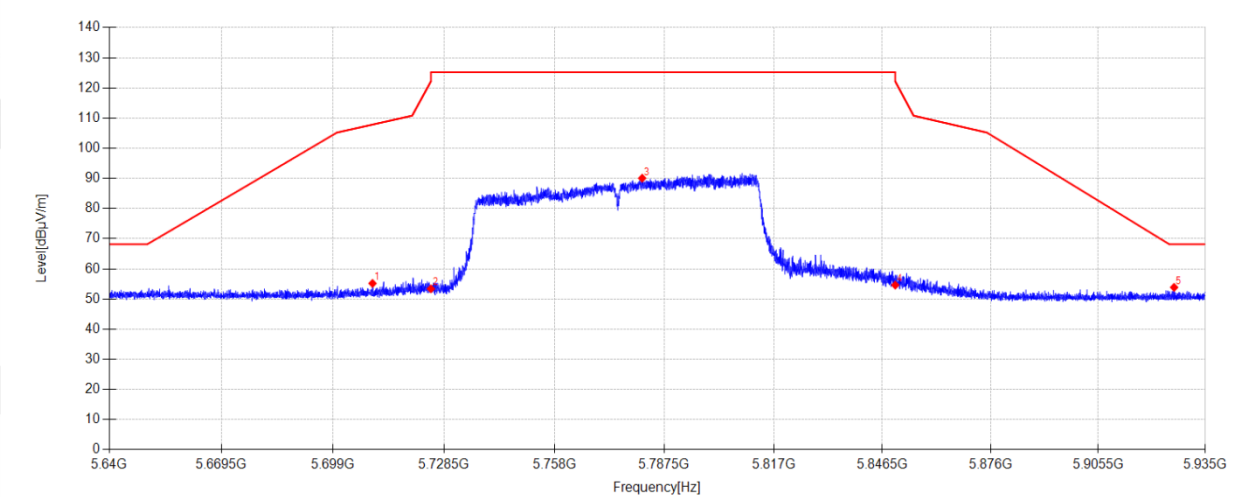
DDT 3# Chamber

File Path:

d:\ts\2025 test date\Q25123016-1E\FCC ABOVE1G 5.8G\56

Memo:

Sample Number :S25123016-001 Power setting:11



Suspected Data List										
NO	Freq. [MHz]	Reading [dBV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5709.473	44.71	33.58	-23.11	0.00	55.18	107.85	52.67	PK	Vertical
2	5725.000	42.91	33.60	-23.12	0.00	53.39	122.20	68.81	PK	Vertical
3	5781.541	79.55	33.66	-23.14	0.00	90.07	125.20	35.13	PK	Vertical
4	5850.000	44.25	33.74	-23.38	0.00	54.61	122.20	67.59	PK	Vertical
5	5926.386	43.50	33.82	-23.46	0.00	53.86	68.20	14.34	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.

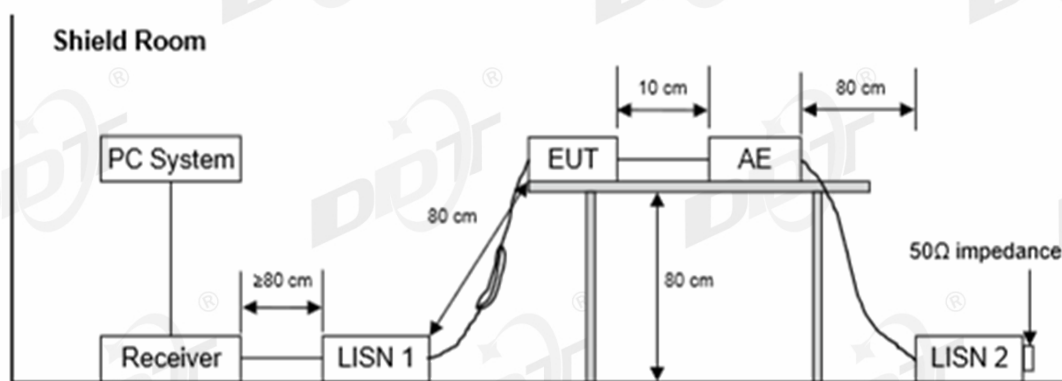
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

14. Power Line Conducted Emissions

14.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
EMI Test Receiver	R&S	ESCI	DDT-ZC00235	2026/07/06
Two Line V-Network	R&S	ENV216	DDT-ZC00535	2026/07/06
Artificial mains	R&S	ESH2-Z5	DDT-ZC00538	2026/07/06
Pulse Limiter	SCHWARZBECK	ESH3-Z2	DDT-ZC00539	2026/07/06
CE Cable 1	R&S	ESU8/RF2	DDT-ZC00566	2026/07/06
EMI Test Software	Audix	e3	DDT-ZC01252	/

14.2. Block diagram of test setup



14.3. Limits

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

Note 1: * Decreasing linearly with logarithm of frequency.

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

14.4. Assistant equipment used for test

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

14.5. Test procedure

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

All support equipment power received from a second LISN.

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

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

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

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

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

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

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

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

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

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

The bandwidth of test receiver is set at 9 kHz.

14.6. Test result

N/A

Measurements to demonstrate compliance with the conducted limits are not required for devices which only employ Battery power for operation and which do not operate from the AC power lines or contain provisions for operation while connected to the AC power lines.

16. Photos of the EUT

Please refer to DDT-Q25123016-1E appendix I

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