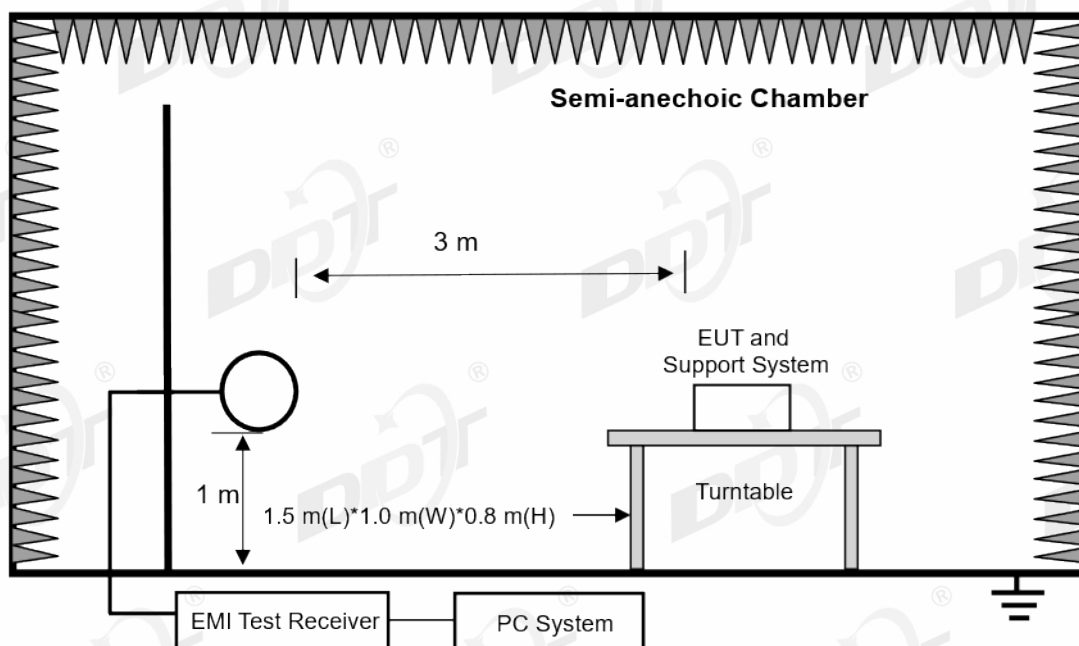


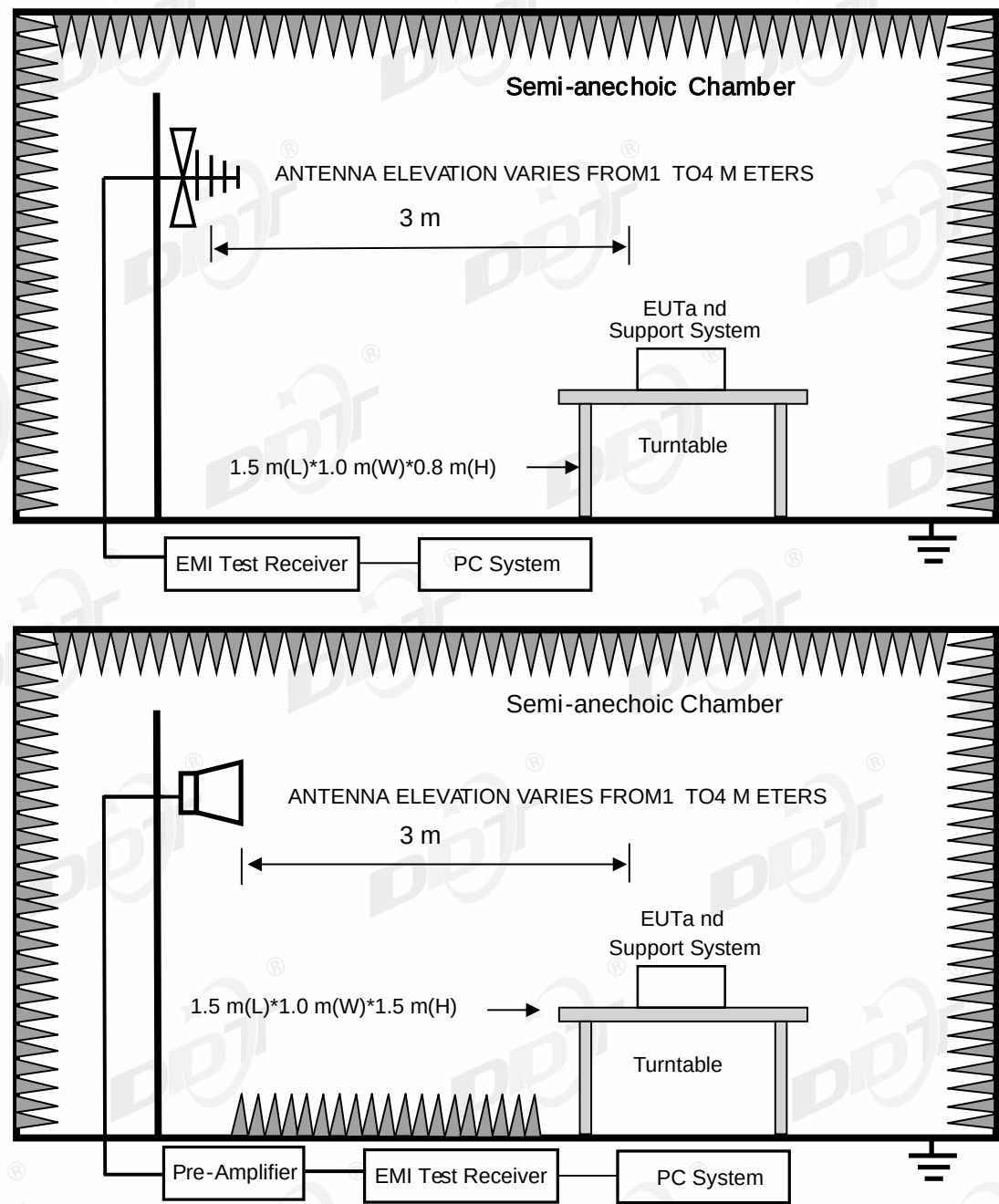
12 Radiated Emission

12.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/
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	2026/03/28
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
High pass filter	Micro-Tronics	HPM50102	DDT-ZC00561	2026/03/28
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2026/03/28
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
10.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.1772&4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.2072&4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7

6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(²)
13.36-13.41			

1Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz

2Above 38.6

RSS-Gen section 8.10 Restricted frequency bands*

MHz	MHz	MHz	GHz
0.090-0.110	12.51975-12.52025	240-285	3.5-4.4
0.495-0.505	12.57675-12.57725	322-335.4	4.5-5.15
2.1735-2.1905	13.36-13.41	399.9-410	5.35-5.46
3.020-3.026	16.42-16.423	608-614	7.25-7.75
4.125-4.128	16.69475-16.69525	960-1427	8.025-8.5
4.1772&4.17775	16.80425-16.80475	1435-1626.5	9.0-9.2
4.2072&4.20775	25.5-25.67	1645.5-1646.5	9.3-9.5
5.677-5.683	37.5-38.25	1660-1710	10.6-12.7
6.215-6.218	73-74.6	1718.8-1722.2	13.25-13.4
6.26775-6.26825	74.8-75.2	2200-2300	14.47-14.5
6.31175-6.31225	108-138	2310-2390	15.35-16.2
8.291-8.294	149.9-150.05	2483.5-2500	17.7-21.4
8.362-8.366	156.52475-156.52525	2655-2900	22.01-23.12
8.37625-8.38675	156.7-156.9	3260-3267	23.6-24.0
8.41425-8.41475	162.0125-167.17	3332-3339	31.2-31.8
12.29-12.293	167.72-173.2	3345.8-3358	36.43-36.5
			Above 38.6

* Certain frequency bands listed in table and in bands above 38.6 GHz are designated for licence-exempt applications. These frequency bands and the requirements that apply to related devices are set out in the 200 and 300 series of RSSs.

(2) FCC 15.209 Limit & RSS-Gen section 8.9 Limit

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		uV/m	dBuV/m

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

Note:

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

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

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

(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.

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 30MHz, the trilob Broadband Antenna or Horn Antenna was located 3m from EUT, Measurements were made with the antenna positioned in both the horizontal and vertical planes of Polarization, and the measurement antenna was varied from 1 m to 4 m. in height above the reference ground plane to obtain the maximum signal strength.

(3) Below pre-scan procedure was first performed in order to find prominent frequency spectrum radiated emissions from 9 kHz to 25 GHz:

(a) Scanning the peak frequency spectrum with the antenna specified in step (3), and the EUT was rotated 360 degree, the antenna height was varied from 1 m to 4 m (Except loop antenna, it's fixed 1 m above ground.)

(b) Change work frequency or channel of device if practicable.

(c) Change modulation type of device if practicable.

(d) Change power supply range from 85% to 115% of the rated supply voltage

(e) Rotated EUT though three orthogonal axes to determine the attitude of EUT arrangement produces highest emissions.

Spectrum frequency from 9 kHz to 25 GHz (tenth harmonic of fundamental frequency) was investigated, and no any obvious emission were detected from 18 GHz to 25 GHz, so below final test was performed with frequency range from 9 kHz to 18 GHz.

(4) For final emissions measurements at each frequency of interest, the EUT was rotated and the antenna height was varied between 1 m and 4 m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipment and all of the interface cables were changed according to ANSI C63.10 on Radiated Emission test.

(5) The emissions from 9 kHz to 1 GHz were measured based on CISPR QP detector except for the frequency bands 9 - 90 kHz, 110 - 490 kHz, for emissions from 9 kHz - 90 kHz, 110 kHz - 490 kHz and above 1 GHz were measured based on average detector, for emissions above 1 GHz, peak emissions also be measured and need comply with Peak limit.

(6) The emissions from 9 kHz to 1 GHz, QP or average values were measured with EMI receiver with below RBW.

Frequency band	RBW
9 kHz - 150 kHz	200 Hz
150 kHz - 30 MHz	9 kHz
30 MHz - 1 GHz	120 kHz

(7) For emissions above 1GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1 MHz, VBW is set at 3 MHz for Peak measure; According ANSI C63.10 clause 4.1.5.2.2 procedure for average measure.

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

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

2025-08-14

Tested By:

Lin Guoyuan

EUT:

Wireless Access Point

Model Number:

L2538

Test Mode:

TX 11AX20 5180MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

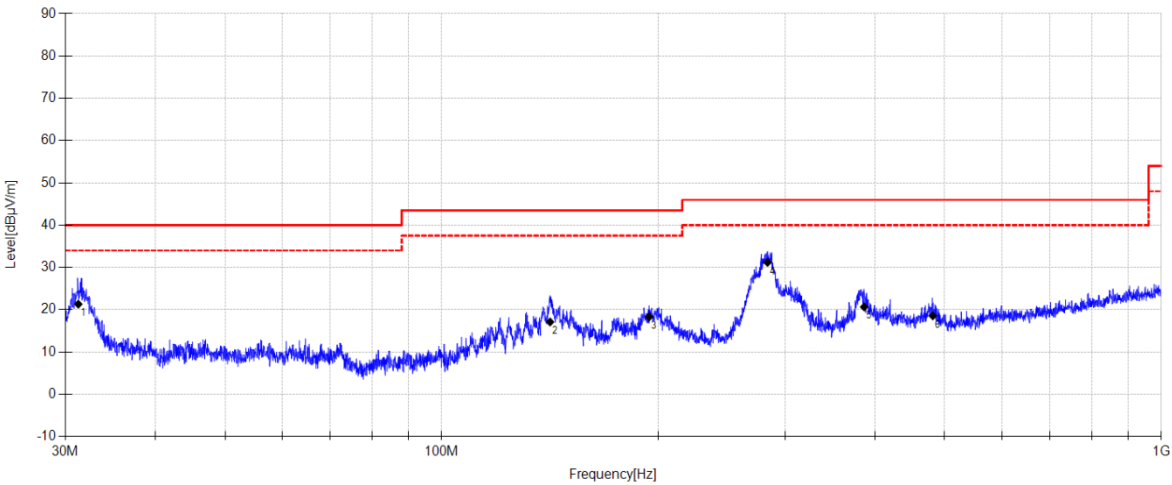
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File Path:

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Memo:

Sample Number:S25062705-004 (AC/DC ADAPTER)



Final Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	31.267	39.43	10.46	3.73	21.32	40.00	18.68	QP	Horizontal
2	141.484	36.94	8.20	4.31	17.11	43.50	26.39	QP	Horizontal
3	194.245	36.43	9.85	4.45	18.34	43.50	25.16	QP	Horizontal
4	283.653	45.45	13.10	5.03	31.18	46.00	14.82	QP	Horizontal
5	386.436	32.05	15.61	5.50	20.67	46.00	25.33	QP	Horizontal
6	481.272	28.87	16.43	5.84	18.56	46.00	27.44	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:

2025-08-14

Tested By:

Lin Guoyuan

EUT:

Wireless Access Point

Model Number:

L2538

Test Mode:

TX 11AX20 5180MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

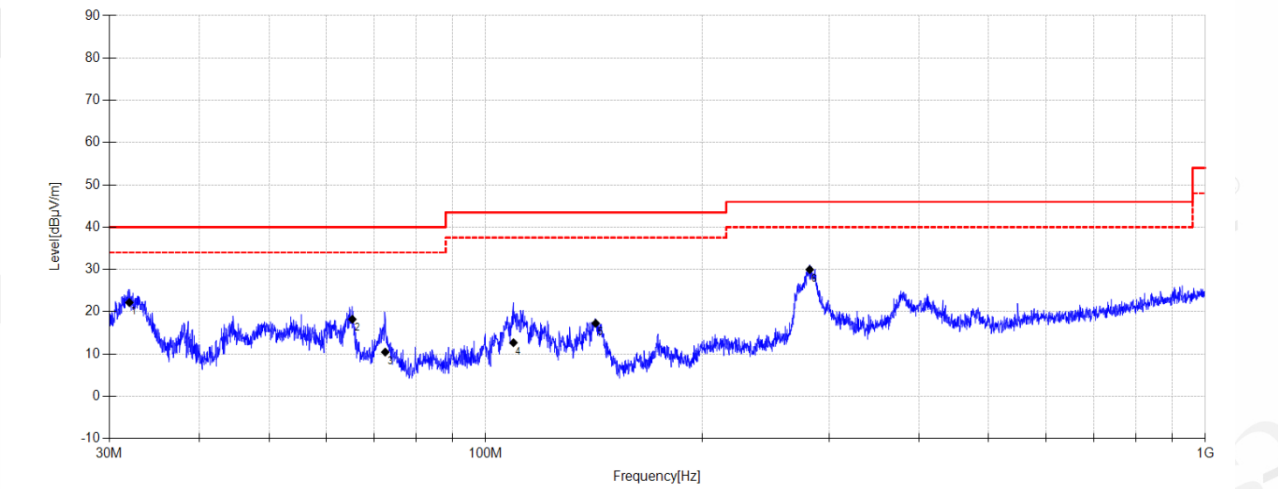
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Memo:

Sample Number:S25062705-004 (AC/DC ADAPTER)



Final Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	31.977	39.85	10.89	3.74	22.18	40.00	17.82	QP	Vertical
2	65.287	34.67	11.87	3.98	18.22	40.00	21.78	QP	Vertical
3	72.528	29.39	9.34	4.02	10.45	40.00	29.55	QP	Vertical
4	109.307	28.66	12.11	4.22	12.68	43.50	30.82	QP	Vertical
5	142.180	36.85	8.43	4.31	17.25	43.50	26.25	QP	Vertical
6	282.066	44.24	13.10	5.02	29.96	46.00	16.04	QP	Vertical

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-08-14

Tested By:

Lin Guoyuan

EUT:

Wireless Access Point

Model Number:

L2538

Test Mode:

TX 11AX20 5180MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

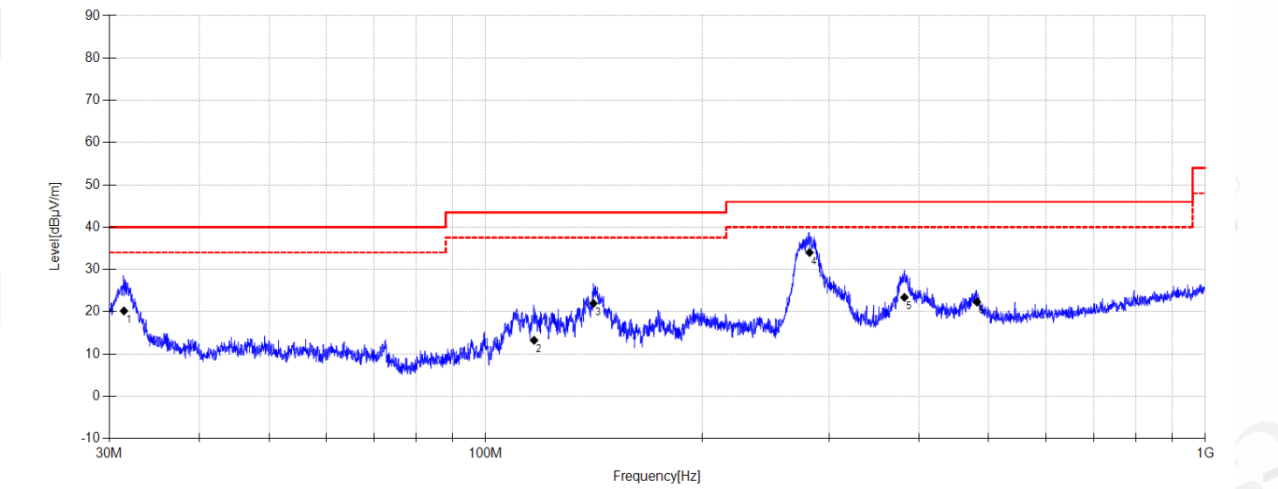
DDT 3# Chamber

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Memo:

Sample Number:S25062705-004(POE ADAPTER)



Final Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	31.443	38.19	10.57	3.73	20.19	40.00	19.81	QP	Horizontal
2	116.754	30.93	10.40	4.24	13.25	43.50	30.25	QP	Horizontal
3	141.187	41.85	8.14	4.31	21.96	43.50	21.54	QP	Horizontal
4	281.868	48.28	13.10	5.02	34.00	46.00	12.00	QP	Horizontal
5	381.857	34.75	15.64	5.48	23.39	46.00	22.61	QP	Horizontal
6	481.610	32.55	16.46	5.85	22.28	46.00	23.72	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:

2025-08-14

Tested By:

Lin Guoyuan

EUT:

Wireless Access Point

Model Number:

L2538

Test Mode:

TX 11AX20 5180MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

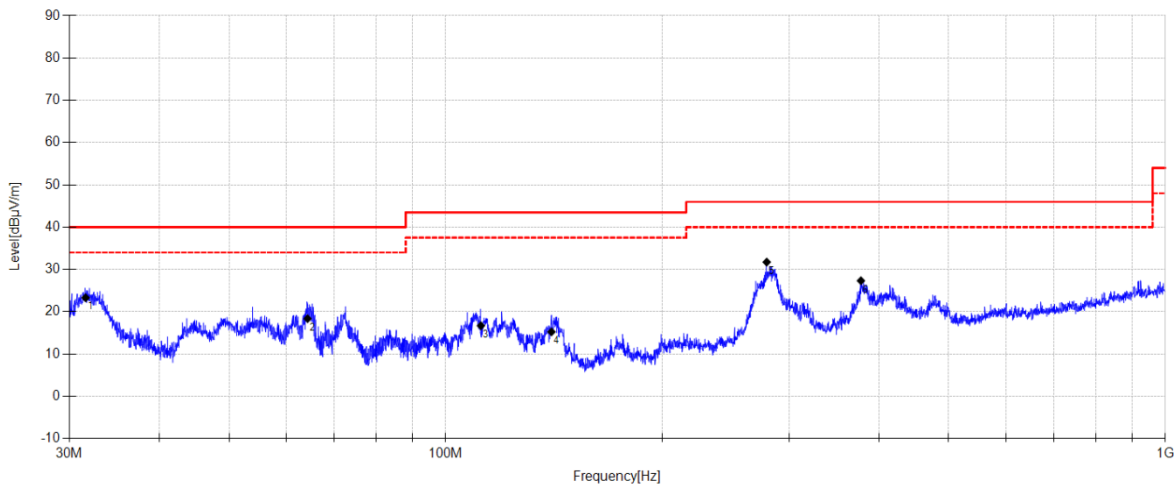
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Memo:

Sample Number:S25062705-004(POE ADAPTER)



Final Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	31.598	41.21	10.66	3.73	23.30	40.00	16.70	QP	Vertical
2	64.288	34.51	12.17	3.98	18.36	40.00	21.64	QP	Vertical
3	111.944	32.79	11.99	4.22	16.69	43.50	26.81	QP	Vertical
4	140.299	35.46	7.82	4.30	15.24	43.50	28.26	QP	Vertical
5	279.311	46.12	13.02	5.00	31.74	46.00	14.26	QP	Vertical
6	377.597	39.12	15.22	5.47	27.33	46.00	18.67	QP	Vertical

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-07-16

Tested By:

Lin Guoyuan

EUT:

Wireless Access Point

Model Number:

L2538

Test Mode:

MIMO TX 11AX20 5180MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

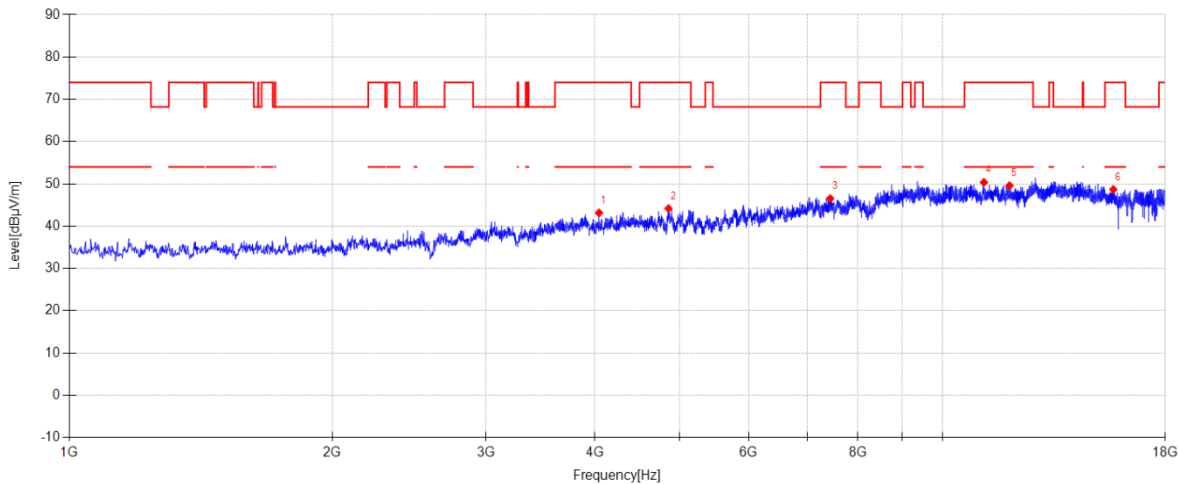
DDT 3# Chamber

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Memo:

Sample Number:S25062705-004 Power Setting:14



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	4043.000	46.48	30.99	5.36	-39.68	43.15	74.00	30.85	PK	Horizontal
2	4855.600	43.74	33.71	6.33	-39.61	44.17	74.00	29.83	PK	Horizontal
3	7437.900	43.00	36.62	7.51	-40.61	46.52	74.00	27.48	PK	Horizontal
4	11155.800	41.77	39.24	8.51	-39.16	50.36	74.00	23.64	PK	Horizontal
5	11932.700	41.53	39.00	8.98	-39.93	49.58	74.00	24.42	PK	Horizontal
6	15693.100	39.48	38.51	10.10	-39.40	48.69	74.00	25.31	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:

2025-07-16

Tested By:

Lin Guoyuan

EUT:

Wireless Access Point

Model Number:

L2538

Test Mode:

MIMO TX 11AX20 5180MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

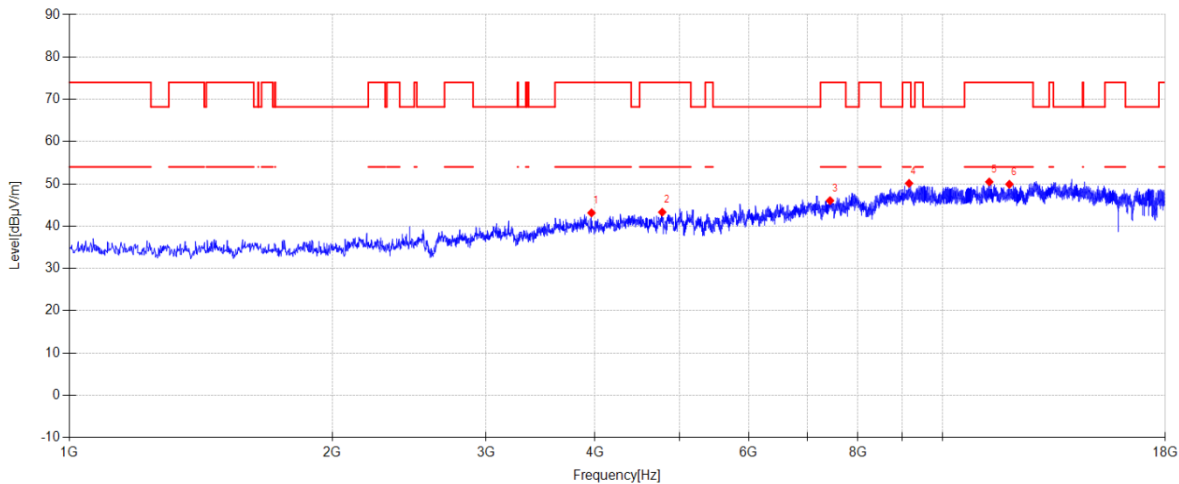
DDT 3# Chamber

File Path:

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Memo:

Sample Number:S25062705-004 Power Setting:14



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3963.100	46.45	31.05	5.30	-39.67	43.13	74.00	30.87	PK	Vertical
2	4775.700	44.30	32.40	6.23	-39.62	43.31	74.00	30.69	PK	Vertical
3	7434.500	42.50	36.63	7.51	-40.61	46.03	74.00	27.97	PK	Vertical
4	9158.300	42.40	38.52	8.13	-38.93	50.12	74.00	23.88	PK	Vertical
5	11315.600	41.96	39.22	8.61	-39.32	50.47	74.00	23.53	PK	Vertical
6	11929.300	41.87	38.99	8.98	-39.93	49.91	74.00	24.09	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:

2025-08-10

Tested By:

Lin Guoyuan

EUT:

Wireless Access Point

Model Number:

L2538

Test Mode:

MIMO TX 11AX20 5200MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

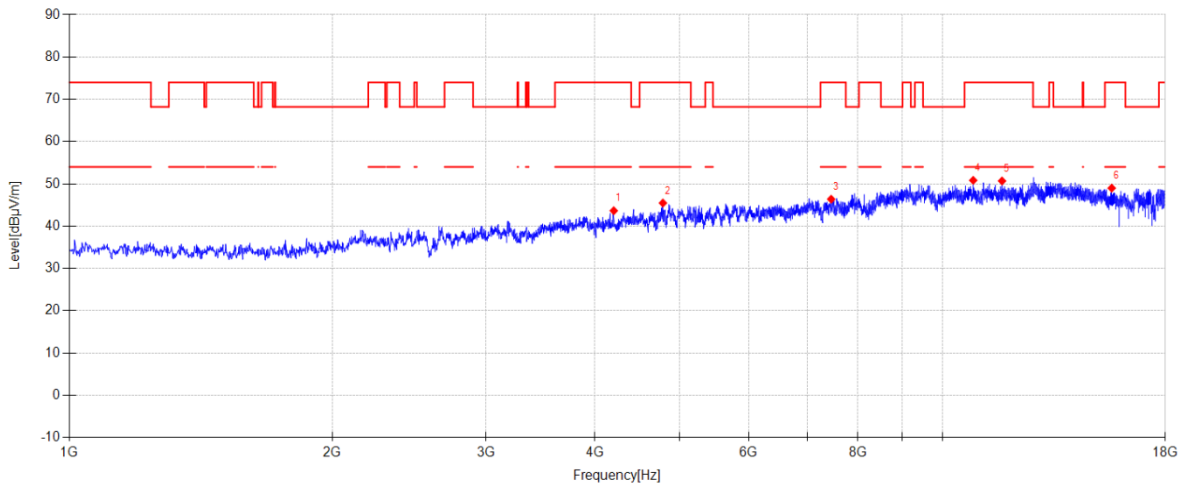
DDT 3# Chamber

File Path:

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Memo:

Sample Number:S25062705-004 Power Setting:14



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	4202.800	46.55	31.21	5.55	-39.66	43.65	74.00	30.35	PK	Horizontal
2	4784.200	46.41	32.44	6.24	-39.62	45.47	74.00	28.53	PK	Horizontal
3	7456.600	42.86	36.59	7.52	-40.59	46.38	74.00	27.62	PK	Horizontal
4	10844.700	42.20	39.36	8.37	-39.09	50.84	74.00	23.16	PK	Horizontal
5	11701.500	42.55	39.00	8.84	-39.70	50.69	74.00	23.31	PK	Horizontal
6	15626.800	39.76	38.57	10.07	-39.40	49.00	74.00	25.00	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:

2025-08-10

Tested By:

Lin Guoyuan

EUT:

Wireless Access Point

Model Number:

L2538

Test Mode:

MIMO TX 11AX20 5200MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

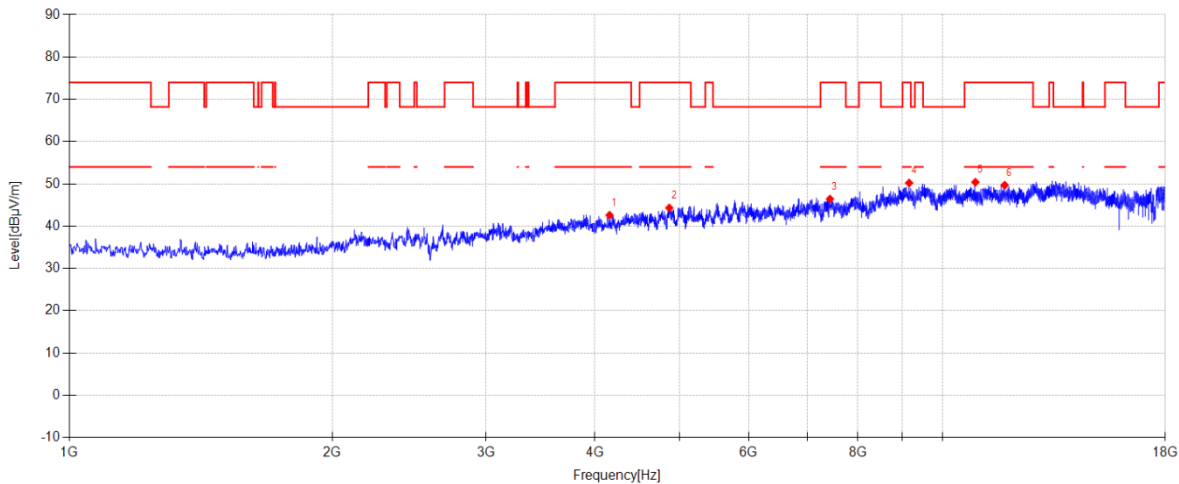
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25062705-2E\FCC Above 1G 5G\90

Memo:

Sample Number:S25062705-004 Power Setting:14



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	4156.900	45.57	31.20	5.50	-39.67	42.60	74.00	31.40	PK	Vertical
2	4865.800	44.03	33.55	6.34	-39.61	44.31	74.00	29.69	PK	Vertical
3	7432.800	42.89	36.63	7.51	-40.61	46.42	74.00	27.58	PK	Vertical
4	9160.000	42.49	38.52	8.13	-38.93	50.21	74.00	23.79	PK	Vertical
5	10907.600	41.77	39.30	8.39	-39.06	50.40	74.00	23.60	PK	Vertical
6	11783.100	41.67	38.92	8.89	-39.78	49.70	74.00	24.30	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:

2025-08-10

Tested By:

Lin Guoyuan

EUT:

Wireless Access Point

Model Number:

L2538

Test Mode:

MIMO TX 11AX20 5240MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

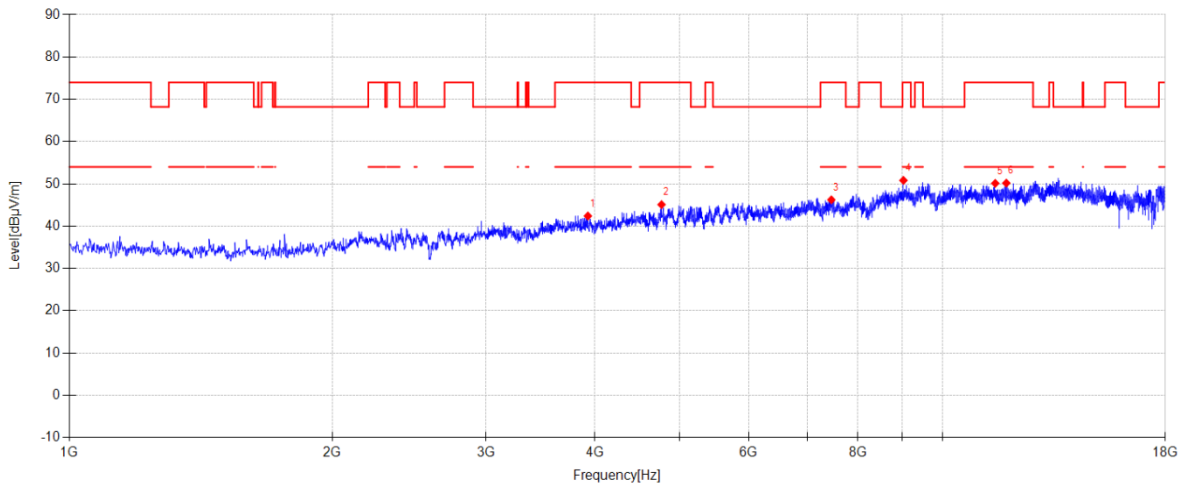
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25062705-2E\FCC Above 1G 5G\91

Memo:

Sample Number:S25062705-004 Power Setting:14



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	3925.700	45.62	31.15	5.29	-39.66	42.40	74.00	31.60	PK	Horizontal
2	4767.200	46.13	32.37	6.22	-39.62	45.10	74.00	28.90	PK	Horizontal
3	7460.000	42.72	36.58	7.52	-40.59	46.23	74.00	27.77	PK	Horizontal
4	9022.300	43.17	38.34	8.13	-38.82	50.82	74.00	23.18	PK	Horizontal
5	11494.100	41.68	39.21	8.72	-39.49	50.12	74.00	23.88	PK	Horizontal
6	11834.100	42.19	38.90	8.92	-39.83	50.18	74.00	23.82	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:

2025-08-10

Tested By:

Lin Guoyuan

EUT:

Wireless Access Point

Model Number:

L2538

Test Mode:

MIMO TX 11AX20 5240MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

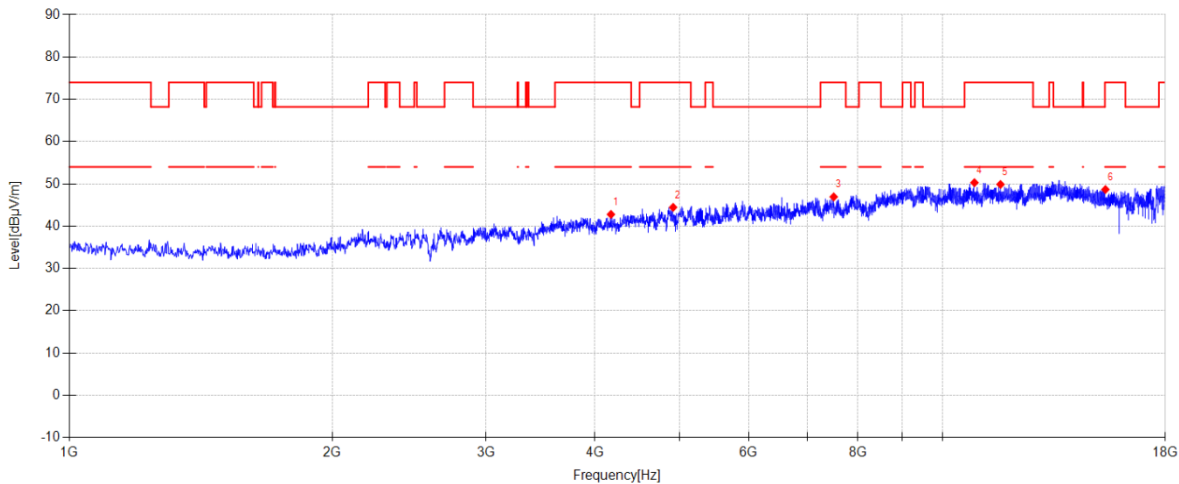
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25062705-2E\FCC Above 1G 5G\92

Memo:

Sample Number:S25062705-004 Power Setting:14



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	4172.200	45.74	31.20	5.51	-39.67	42.78	74.00	31.22	PK	Vertical
2	4915.100	44.63	33.03	6.40	-39.61	44.45	74.00	29.55	PK	Vertical
3	7507.600	43.44	36.48	7.55	-40.54	46.93	74.00	27.07	PK	Vertical
4	10880.400	41.66	39.32	8.38	-39.07	50.29	74.00	23.71	PK	Vertical
5	11653.900	41.72	39.00	8.81	-39.65	49.88	74.00	24.12	PK	Vertical
6	15368.400	38.86	39.25	9.96	-39.40	48.67	74.00	25.33	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:

2025-08-10

Tested By:

Lin Guoyuan

EUT:

Wireless Access Point

Model Number:

L2538

Test Mode:

MIMO TX 11AX20 5260MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

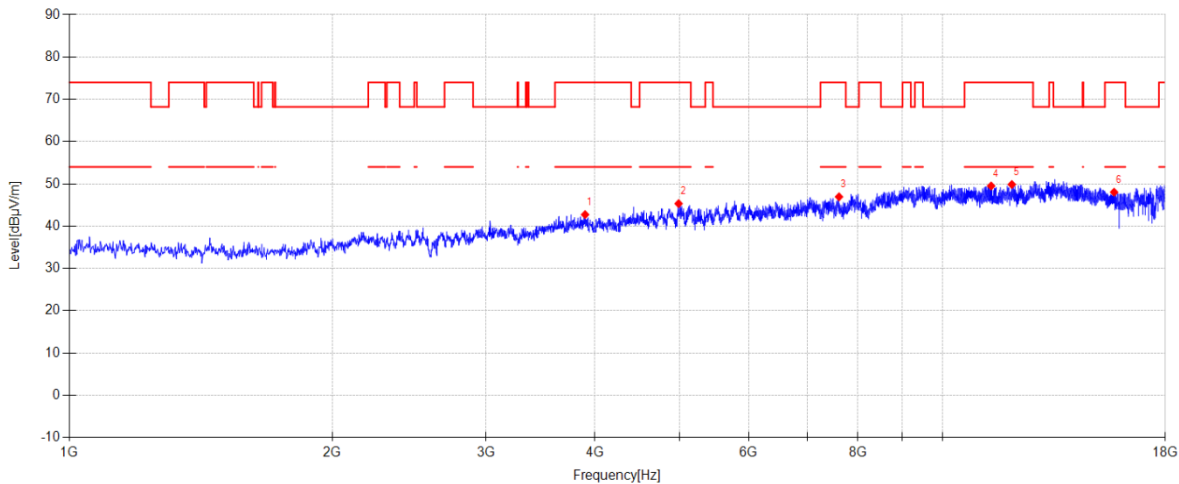
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25062705-2E\FCC Above 1G 5G\93

Memo:

Sample Number:S25062705-004 Power Setting:14



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	3896.800	45.93	31.18	5.28	-39.66	42.73	74.00	31.27	PK	Horizontal
2	4986.500	45.28	33.17	6.48	-39.60	45.33	74.00	28.67	PK	Horizontal
3	7613.000	43.24	36.53	7.62	-40.45	46.94	74.00	27.06	PK	Horizontal
4	11370.000	40.96	39.27	8.64	-39.37	49.50	74.00	24.50	PK	Horizontal
5	12007.500	41.63	39.21	9.02	-40.00	49.86	74.00	24.14	PK	Horizontal
6	15725.400	38.87	38.45	10.12	-39.40	48.04	74.00	25.96	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:

2025-08-10

Tested By:

Lin Guoyuan

EUT:

Wireless Access Point

Model Number:

L2538

Test Mode:

MIMO TX 11AX20 5260MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

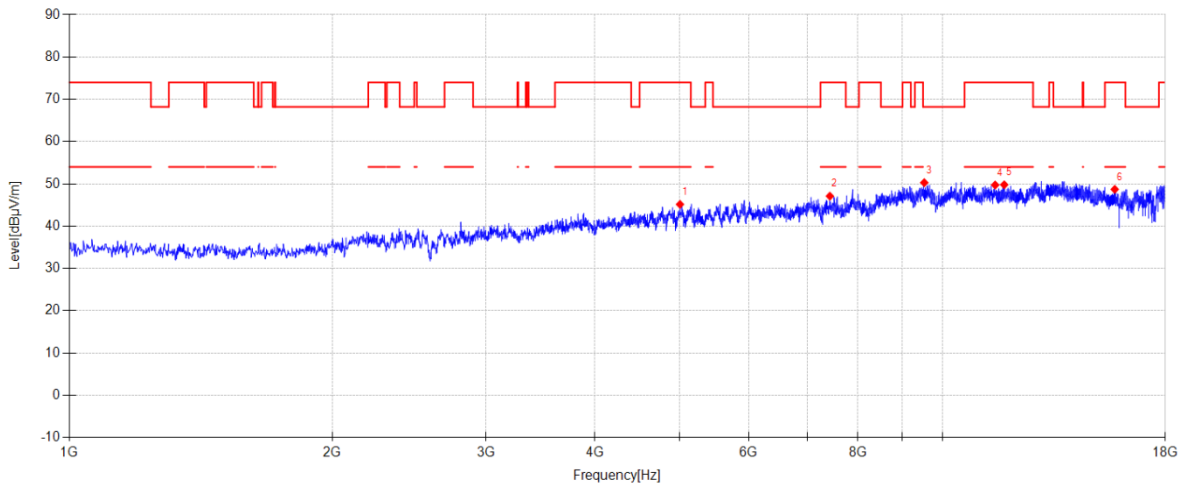
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25062705-2E\FCC Above 1G 5G\94

Memo:

Sample Number:S25062705-004 Power Setting:14



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	5005.200	45.04	33.21	6.50	-39.60	45.15	74.00	28.85	PK	Vertical
2	7431.100	43.56	36.64	7.51	-40.61	47.10	74.00	26.90	PK	Vertical
3	9530.600	42.76	38.64	8.11	-39.22	50.29	68.20	17.91	PK	Vertical
4	11490.700	41.30	39.21	8.71	-39.49	49.73	74.00	24.27	PK	Vertical
5	11769.500	41.76	38.93	8.88	-39.77	49.80	74.00	24.20	PK	Vertical
6	15750.900	39.58	38.40	10.13	-39.40	48.71	74.00	25.29	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:

2025-08-10

Tested By:

Lin Guoyuan

EUT:

Wireless Access Point

Model Number:

L2538

Test Mode:

MIMO TX 11AX20 5280MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

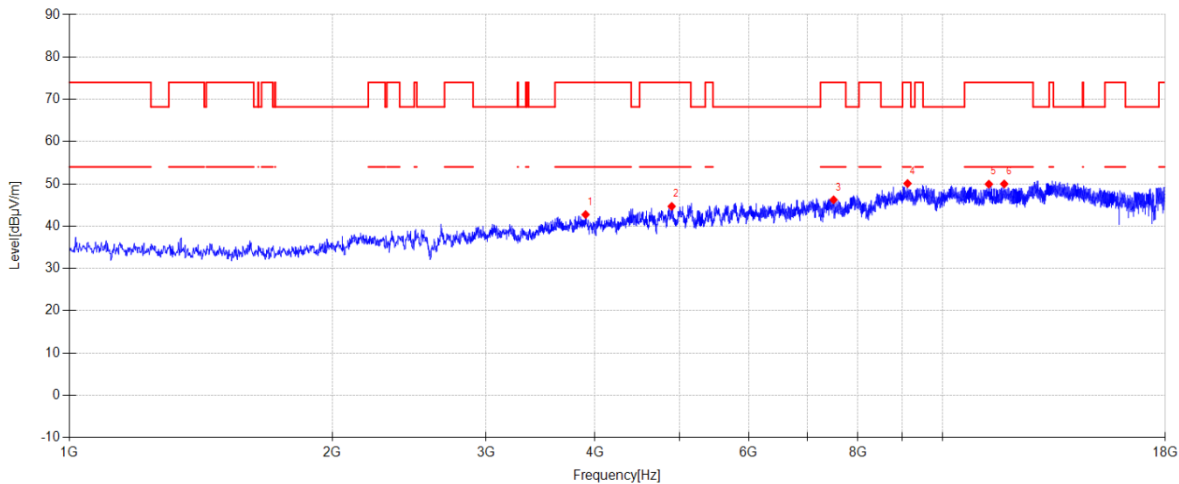
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25062705-2E\FCC Above 1G 5G\95

Memo:

Sample Number:S25062705-004 Power Setting:14



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3901.900	45.92	31.20	5.28	-39.66	42.74	74.00	31.26	PK	Horizontal
2	4896.400	44.85	33.06	6.38	-39.61	44.68	74.00	29.32	PK	Horizontal
3	7504.200	42.73	36.49	7.55	-40.55	46.22	74.00	27.78	PK	Horizontal
4	9120.900	42.36	38.50	8.13	-38.90	50.09	74.00	23.91	PK	Horizontal
5	11302.000	41.44	39.20	8.60	-39.30	49.94	74.00	24.06	PK	Horizontal
6	11769.500	41.94	38.93	8.88	-39.77	49.98	74.00	24.02	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:

2025-08-10

Tested By:

Lin Guoyuan

EUT:

Wireless Access Point

Model Number:

L2538

Test Mode:

MIMO TX 11AX20 5280MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

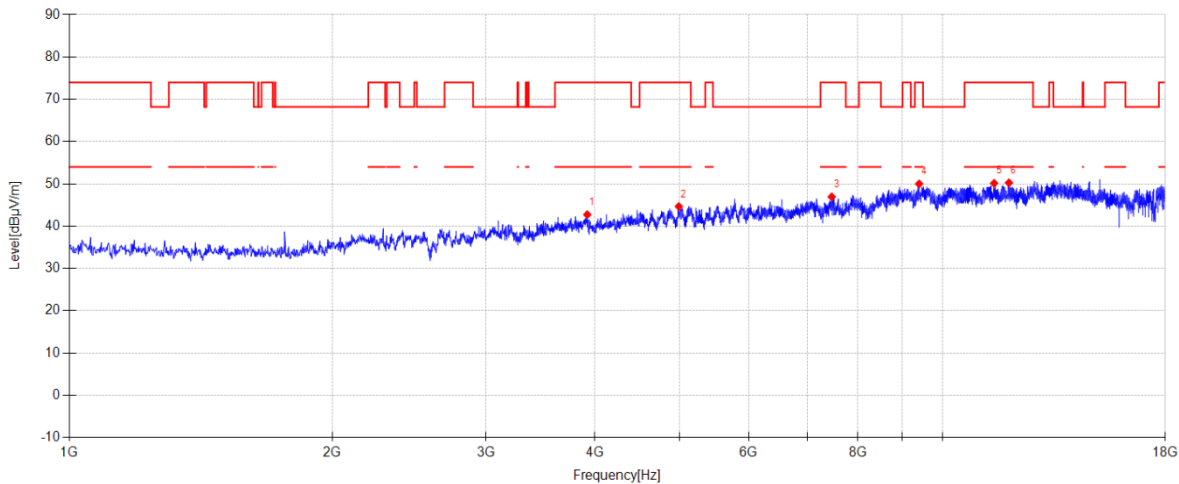
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25062705-2E\FCC Above 1G 5G\96

Memo:

Sample Number:S25062705-004 Power Setting:14



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	3918.900	45.94	31.16	5.28	-39.66	42.72	74.00	31.28	PK	Vertical
2	4989.900	44.58	33.18	6.49	-39.60	44.65	74.00	29.35	PK	Vertical
3	7466.800	43.42	36.57	7.53	-40.58	46.94	74.00	27.06	PK	Vertical
4	9403.100	42.30	38.70	8.12	-39.12	50.00	74.00	24.00	PK	Vertical
5	11460.100	41.67	39.24	8.70	-39.46	50.15	74.00	23.85	PK	Vertical
6	11915.700	42.25	38.95	8.97	-39.92	50.25	74.00	23.75	PK	Vertical

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-07-16

Tested By:

Lin Guoyuan

EUT:

Wireless Access Point

Model Number:

L2538

Test Mode:

MIMO TX 11AX20 5320MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

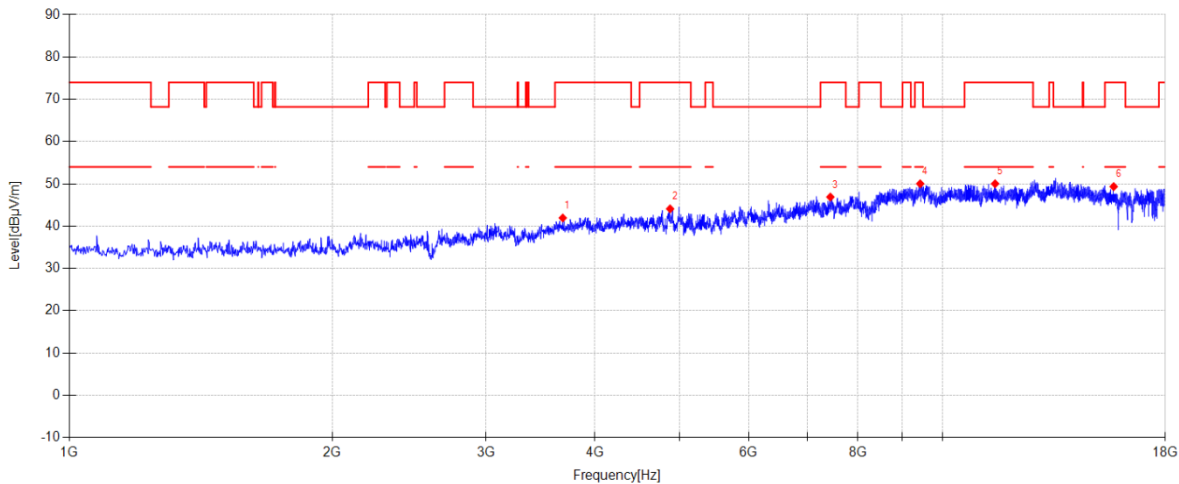
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25062705-2E\FCC Above 1G 5G\81

Memo:

Sample Number:S25062705-004 Power Setting:14



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	3674.100	46.03	30.30	5.21	-39.60	41.94	74.00	32.06	PK	Horizontal
2	4876.000	43.97	33.38	6.35	-39.61	44.09	74.00	29.91	PK	Horizontal
3	7441.300	43.36	36.62	7.51	-40.60	46.89	74.00	27.11	PK	Horizontal
4	9430.300	42.35	38.70	8.12	-39.14	50.03	74.00	23.97	PK	Horizontal
5	11489.000	41.60	39.21	8.71	-39.49	50.03	74.00	23.97	PK	Horizontal
6	15708.400	40.16	38.48	10.11	-39.40	49.35	74.00	24.65	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:

2025-07-16

Tested By:

Lin Guoyuan

EUT:

Wireless Access Point

Model Number:

L2538

Test Mode:

MIMO TX 11AX20 5320MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

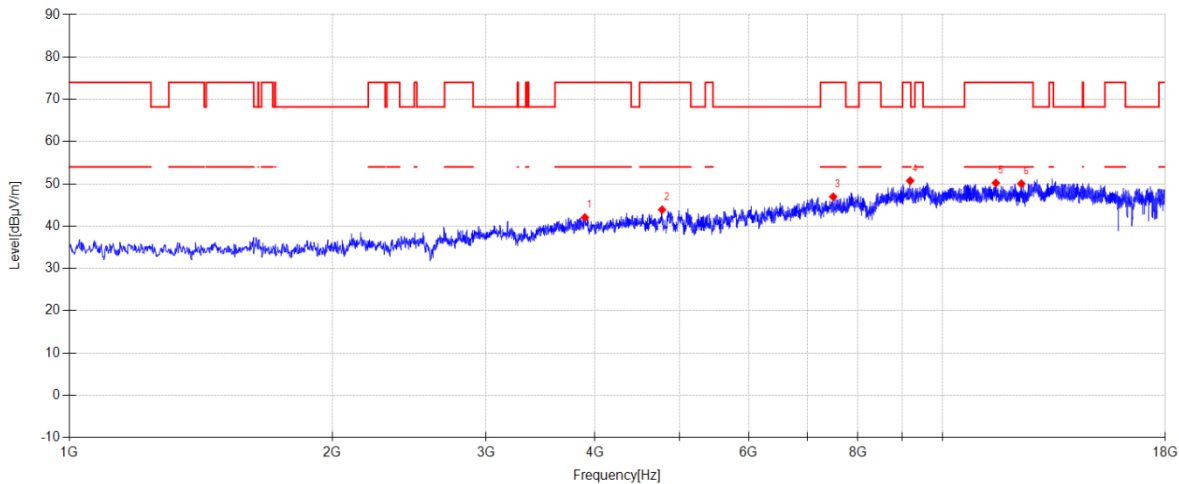
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25062705-2E\FCC Above 1G 5G\82

Memo:

Sample Number:S25062705-004 Power Setting:14



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	45.25	31.17	5.28	-39.65	42.05	74.00	31.95	PK	Vertical
2	4774.000	44.87	32.40	6.23	-39.62	43.88	74.00	30.12	PK	Vertical
3	7497.400	43.44	36.51	7.55	-40.55	46.95	74.00	27.05	PK	Vertical
4	9183.800	43.00	38.57	8.12	-38.95	50.74	74.00	23.26	PK	Vertical
5	11511.100	41.80	39.18	8.73	-39.51	50.20	74.00	23.80	PK	Vertical
6	12311.800	41.51	39.30	9.16	-39.94	50.03	74.00	23.97	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:

2025-07-16

Tested By:

Lin Guoyuan

EUT:

Wireless Access Point

Model Number:

L2538

Test Mode:

MIMO TX 11AX20 5500MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

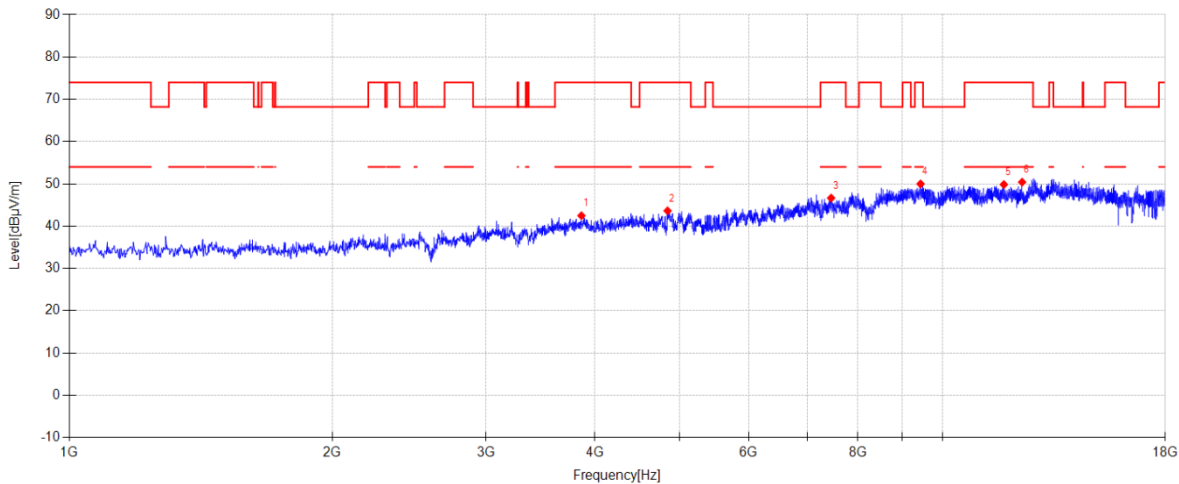
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25062705-2E\FCC Above 1G 5G\83

Memo:

Sample Number:S25062705-004 Power Setting:14



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	3859.400	45.90	30.96	5.27	-39.65	42.48	74.00	31.52	PK	Horizontal
2	4843.700	43.28	33.64	6.31	-39.61	43.62	74.00	30.38	PK	Horizontal
3	7456.600	43.13	36.59	7.52	-40.59	46.65	74.00	27.35	PK	Horizontal
4	9438.800	42.31	38.70	8.12	-39.15	49.98	74.00	24.02	PK	Horizontal
5	11757.600	41.80	38.94	8.87	-39.76	49.85	74.00	24.15	PK	Horizontal
6	12337.300	41.87	39.30	9.18	-39.93	50.42	74.00	23.58	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:

2025-07-16

Tested By:

Lin Guoyuan

EUT:

Wireless Access Point

Model Number:

L2538

Test Mode:

MIMO TX 11AX20 5500MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

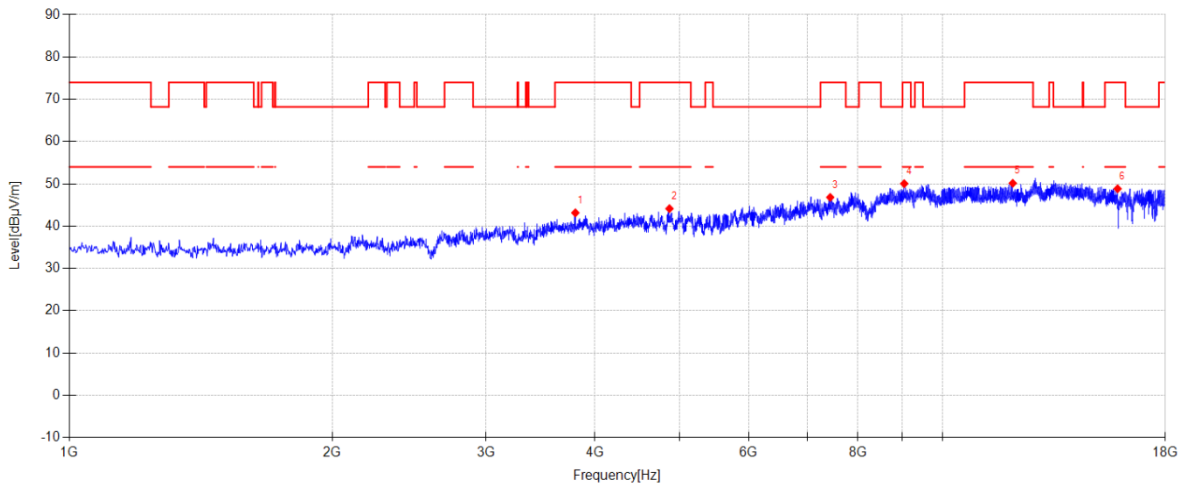
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25062705-2E\FCC Above 1G 5G\84

Memo:

Sample Number:S25062705-004 Power Setting:14



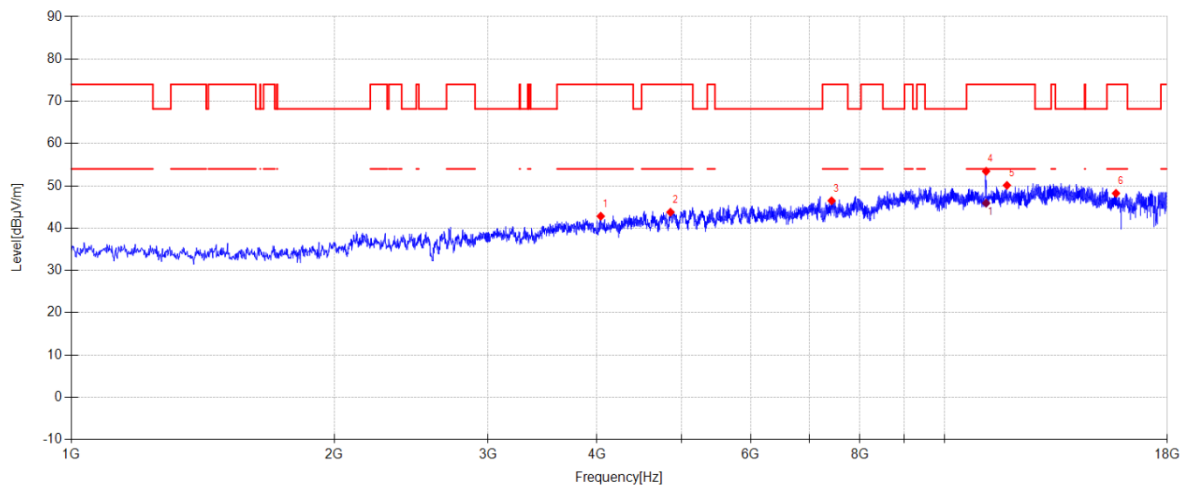
Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3798.200	46.84	30.69	5.25	-39.63	43.15	74.00	30.85	PK	Vertical
2	4867.500	43.89	33.52	6.34	-39.61	44.14	74.00	29.86	PK	Vertical
3	7437.900	43.29	36.62	7.51	-40.61	46.81	74.00	27.19	PK	Vertical
4	9041.000	42.37	38.38	8.13	-38.83	50.05	74.00	23.95	PK	Vertical
5	12038.100	41.86	39.24	9.04	-39.99	50.15	74.00	23.85	PK	Vertical
6	15869.900	39.90	38.16	10.18	-39.40	48.84	74.00	25.16	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: 2025-08-10 **Tested By:** Lin Guoyuan
EUT: Wireless Access Point **Model Number:** L2538
Test Mode: MIMO TX 11AX20 5580MHz Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:22.1°C;Humi:44.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25062705-2E\FCC Above 1G 5G\97
Memo: Sample Number:S25062705-004 Power Setting:14

**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	4039.600	46.16	30.98	5.36	-39.68	42.82	74.00	31.18	PK	Horizontal
2	4855.600	43.34	33.71	6.33	-39.61	43.77	74.00	30.23	PK	Horizontal
3	7426.000	42.95	36.65	7.50	-40.62	46.48	74.00	27.52	PK	Horizontal
4	11160.900	44.84	39.24	8.52	-39.16	53.44	74.00	20.56	PK	Horizontal
5	11791.600	42.12	38.91	8.89	-39.79	50.13	74.00	23.87	PK	Horizontal
6	15720.300	39.07	38.46	10.11	-39.40	48.24	74.00	25.76	PK	Horizontal

Final Data List

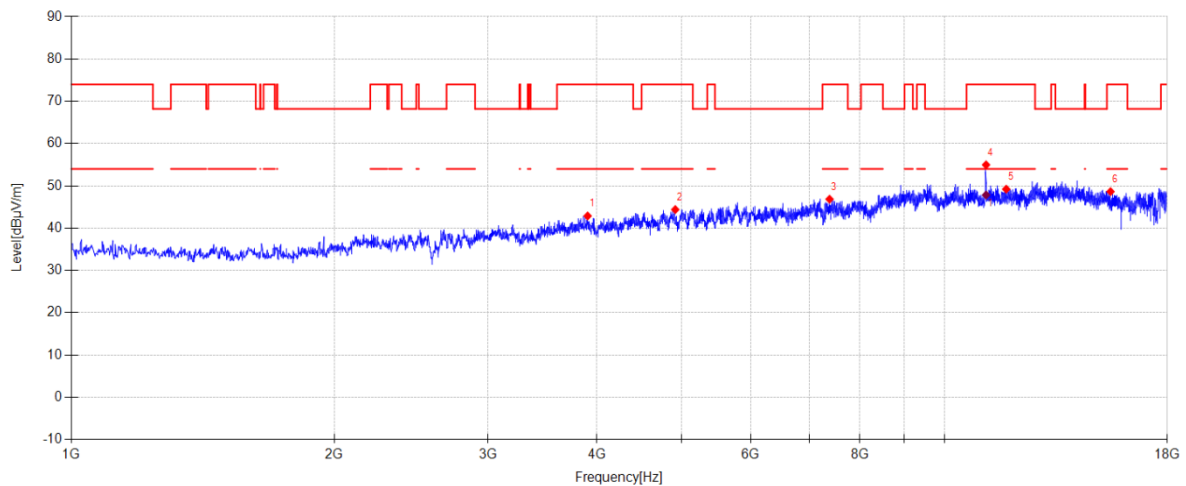
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	11160.900	37.30	39.24	8.52	45.90	54.00	8.10	AV	Horizontal

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date: 2025-08-10 **Tested By:** Lin Guoyuan
EUT: Wireless Access Point **Model Number:** L2538
Test Mode: MIMO TX 11AX20 5580MHz Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:22.1°C;Humi:44.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25062705-2E\FCC Above 1G 5G\98
Memo: Sample Number:S25062705-004 Power Setting:14

**Suspected Data List**

NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3901.900	46.06	31.20	5.28	-39.66	42.88	74.00	31.12	PK	Vertical
2	4916.800	44.57	33.03	6.40	-39.61	44.39	74.00	29.61	PK	Vertical
3	7385.200	43.29	36.73	7.48	-40.65	46.85	74.00	27.15	PK	Vertical
4	11159.200	46.37	39.24	8.52	-39.16	54.97	74.00	19.03	PK	Vertical
5	11769.500	41.18	38.93	8.88	-39.77	49.22	74.00	24.78	PK	Vertical
6	15495.900	39.23	38.81	10.01	-39.40	48.65	74.00	25.35	PK	Vertical

Final Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	11159.200	39.25	39.24	8.52	47.85	54.00	6.15	AV	Vertical

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-07-16

Tested By:

Lin Guoyuan

EUT:

Wireless Access Point

Model Number:

L2538

Test Mode:

MIMO TX 11AX20 5700MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

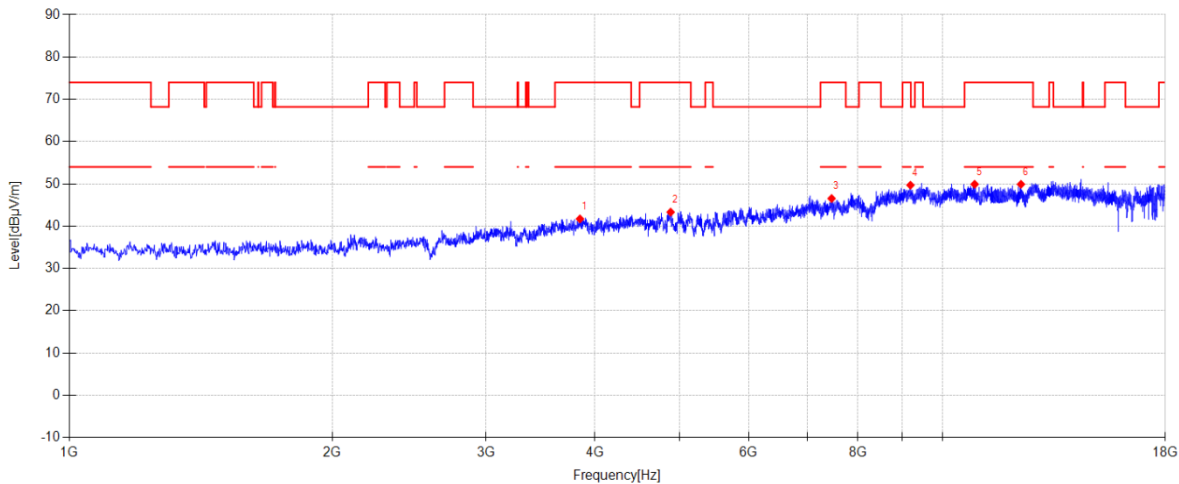
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25062705-2E\FCC Above 1G 5G\85

Memo:

Sample Number:S25062705-004 Power Setting:14



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	3844.100	45.22	30.88	5.26	-39.64	41.72	74.00	32.28	PK	Horizontal
2	4882.800	43.29	33.28	6.36	-39.61	43.32	74.00	30.68	PK	Horizontal
3	7465.100	43.02	36.57	7.53	-40.58	46.54	74.00	27.46	PK	Horizontal
4	9190.600	41.94	38.58	8.12	-38.95	49.69	74.00	24.31	PK	Horizontal
5	10887.200	41.29	39.31	8.38	-39.07	49.91	74.00	24.09	PK	Horizontal
6	12299.900	41.38	39.30	9.16	-39.94	49.90	74.00	24.10	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:

2025-07-16

Tested By:

Lin Guoyuan

EUT:

Wireless Access Point

Model Number:

L2538

Test Mode:

MIMO TX 11AX20 5700MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

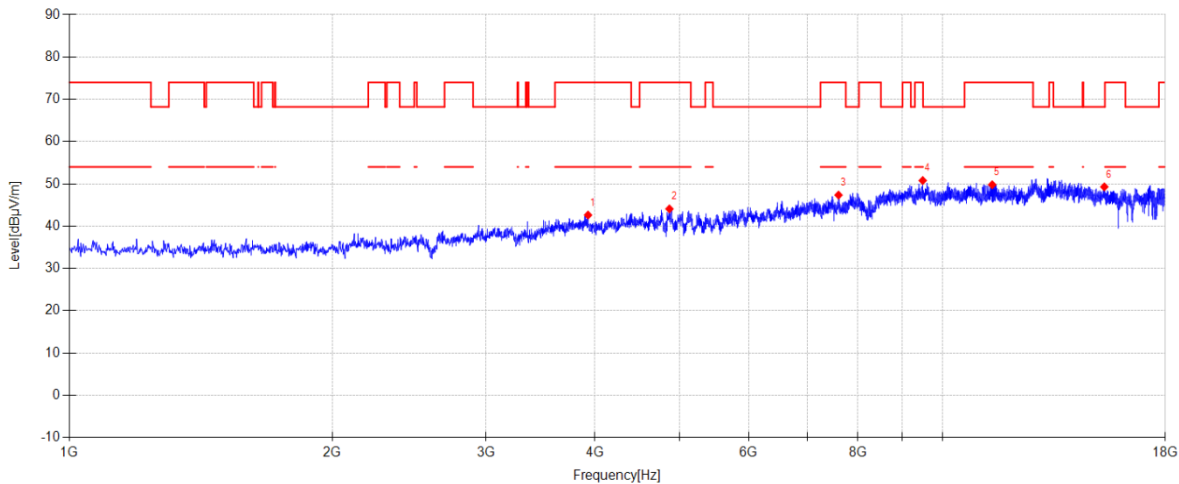
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25062705-2E\FCC Above 1G 5G\86

Memo:

Sample Number:S25062705-004 Power Setting:14



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	3927.400	45.84	31.15	5.29	-39.66	42.62	74.00	31.38	PK	Vertical
2	4867.500	43.83	33.52	6.34	-39.61	44.08	74.00	29.92	PK	Vertical
3	7602.800	43.68	36.51	7.62	-40.46	47.35	74.00	26.65	PK	Vertical
4	9493.200	43.16	38.70	8.12	-39.19	50.79	74.00	23.21	PK	Vertical
5	11402.300	41.23	39.30	8.66	-39.40	49.79	74.00	24.21	PK	Vertical
6	15324.200	39.14	39.61	9.94	-39.40	49.29	68.20	18.91	PK	Vertical

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-07-16

Tested By:

Lin Guoyuan

EUT:

Wireless Access Point

Model Number:

L2538

Test Mode:

MIMO TX 11AX20 5720MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

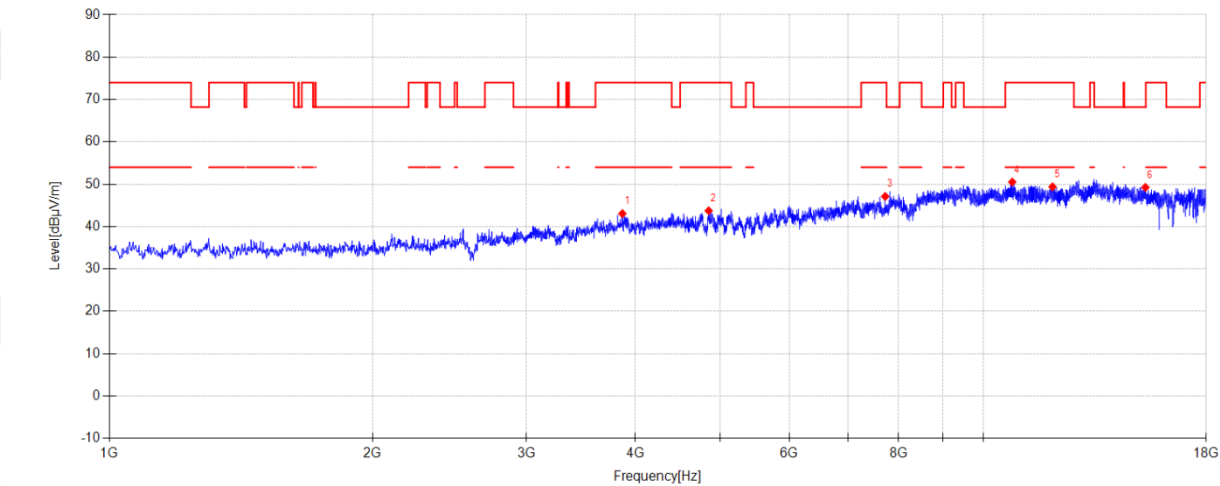
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25062705-2E\FCC Above 1G 5G\87

Memo:

Sample Number:S25062705-004 Power Setting:14



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	3864.500	46.45	30.99	5.27	-39.65	43.06	74.00	30.94	PK	Horizontal
2	4850.500	43.24	33.79	6.32	-39.61	43.74	74.00	30.26	PK	Horizontal
3	7723.500	43.03	36.75	7.69	-40.35	47.12	74.00	26.88	PK	Horizontal
4	10793.700	41.89	39.40	8.35	-39.12	50.52	74.00	23.48	PK	Horizontal
5	12004.100	41.17	39.20	9.02	-40.00	49.39	74.00	24.61	PK	Horizontal
6	15332.700	39.17	39.54	9.94	-39.40	49.25	68.20	18.95	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:

2025-07-16

Tested By:

Lin Guoyuan

EUT:

Wireless Access Point

Model Number:

L2538

Test Mode:

MIMO TX 11AX20 5720MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

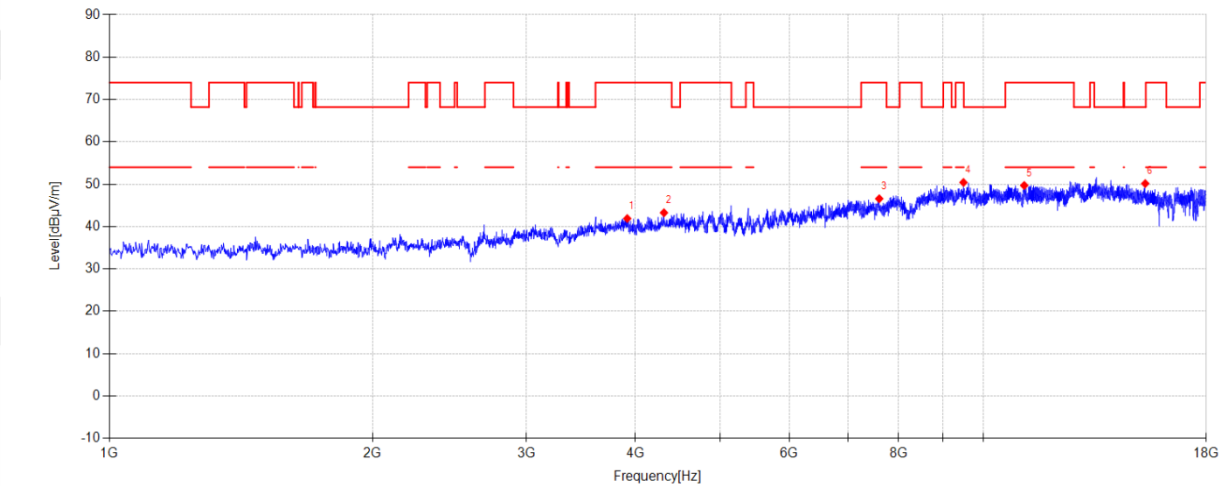
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25062705-2E\FCC Above 1G 5G\88

Memo:

Sample Number:S25062705-004 Power Setting:14



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	3913.800	45.12	31.17	5.28	-39.66	41.91	74.00	32.09	PK	Vertical
2	4311.600	45.65	31.60	5.68	-39.66	43.27	74.00	30.73	PK	Vertical
3	7602.800	42.91	36.51	7.62	-40.46	46.58	74.00	27.42	PK	Vertical
4	9493.200	42.79	38.70	8.12	-39.19	50.42	74.00	23.58	PK	Vertical
5	11140.500	41.09	39.26	8.50	-39.14	49.71	74.00	24.29	PK	Vertical
6	15324.200	40.01	39.61	9.94	-39.40	50.16	68.20	18.04	PK	Vertical

Note:

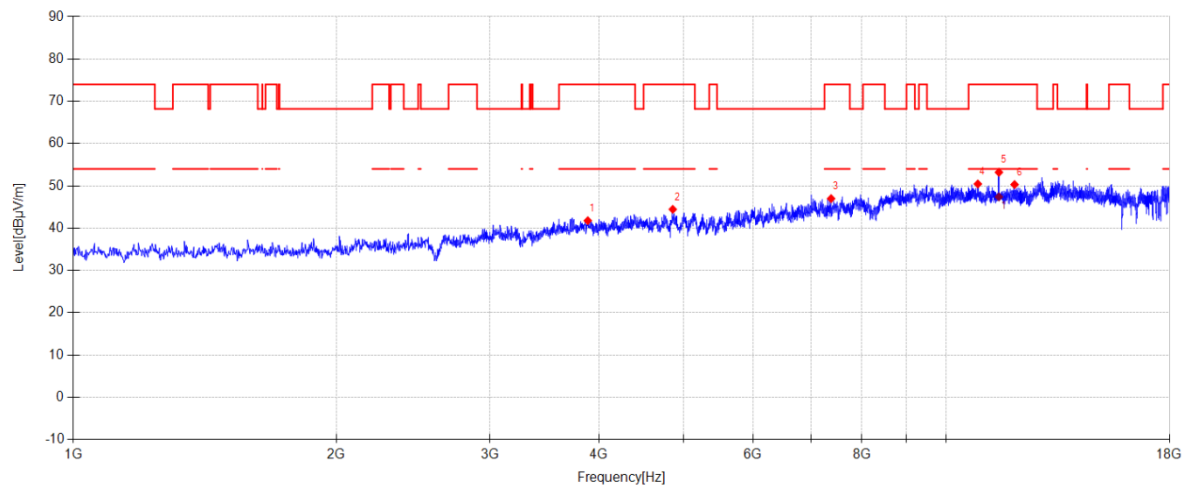
1. Level = Reading + Cable loss + Antenna Factor + AMP

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: 2025-07-17 **Tested By:** Lin Guoyuan
EUT: Wireless Access Point **Model Number:** L2538
Test Mode: MIMO TX 11AX20 5745MHz Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:22.1°C;Humi:44.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25062705-2E\FCC Above 1G 5.8G\11
Memo: Sample Number:S25062705-004 Power Setting:11



Suspected Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3883.200	45.05	31.10	5.27	-39.65	41.77	74.00	32.23	PK	Horizontal
2	4859.000	44.07	33.66	6.33	-39.61	44.45	74.00	29.55	PK	Horizontal
3	7376.700	43.43	36.75	7.47	-40.66	46.99	74.00	27.01	PK	Horizontal
4	10863.400	41.81	39.34	8.38	-39.08	50.45	74.00	23.55	PK	Horizontal
5	11483.900	44.76	39.22	8.71	-39.48	53.21	74.00	20.79	PK	Horizontal
6	11966.700	42.18	39.10	9.00	-39.97	50.31	74.00	23.69	PK	Horizontal

Final Data List

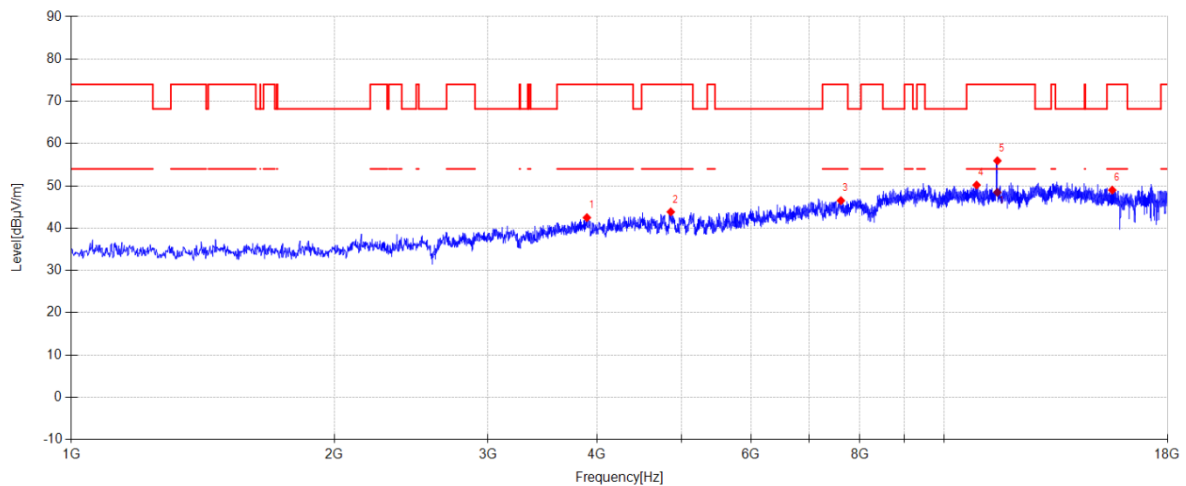
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	11483.900	38.95	39.22	8.71	47.40	54.00	6.60	AV	Horizontal

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date: 2025-07-17 **Tested By:** Lin Guoyuan
EUT: Wireless Access Point **Model Number:** L2538
Test Mode: MIMO TX 11AX20 5745MHz Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:22.1°C;Humi:44.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25062705-2E\FCC Above 1G 5.8G\12
Memo: Sample Number:S25062705-004 Power Setting:11

**Suspected Data List**

NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3895.100	45.69	31.17	5.28	-39.65	42.49	74.00	31.51	PK	Vertical
2	4859.000	43.46	33.66	6.33	-39.61	43.84	74.00	30.16	PK	Vertical
3	7609.600	42.82	36.52	7.62	-40.45	46.51	74.00	27.49	PK	Vertical
4	10885.500	41.58	39.31	8.38	-39.07	50.20	74.00	23.80	PK	Vertical
5	11499.200	47.52	39.20	8.72	-39.50	55.94	74.00	18.06	PK	Vertical
6	15567.300	39.68	38.67	10.05	-39.40	49.00	74.00	25.00	PK	Vertical

Final Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	11497.800	40.06	39.20	8.72	48.48	54.00	5.52	AV	Vertical

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-07-17

Tested By:

Lin Guoyuan

EUT:

Wireless Access Point

Model Number:

L2538

Test Mode:

MIMO TX 11AX20 5785MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

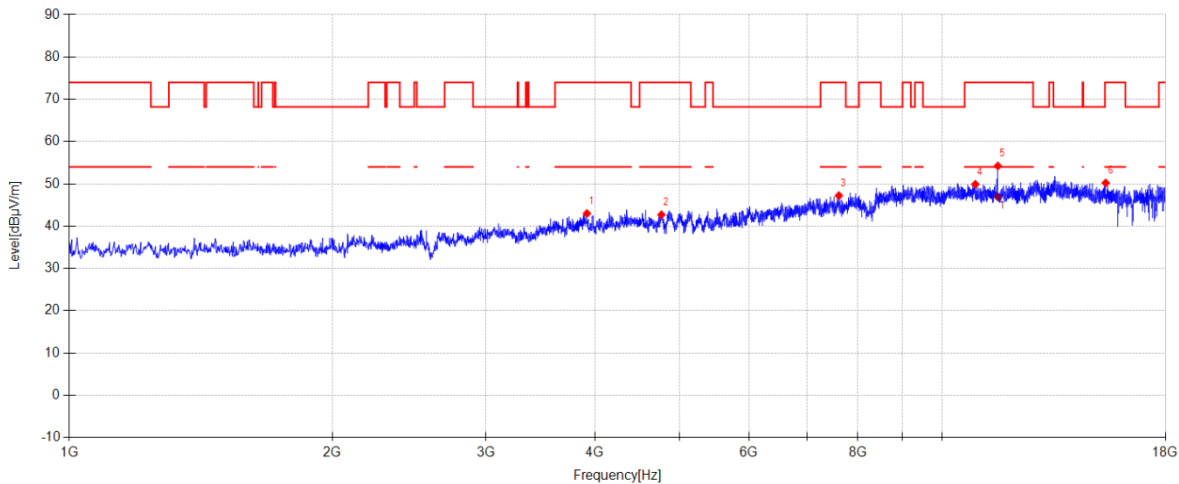
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25062705-2E\FCC Above 1G 5.8G\13

Memo:

Sample Number:S25062705-004 Power Setting:11



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3915.500	46.20	31.17	5.28	-39.66	42.99	74.00	31.01	PK	Horizontal
2	4765.500	43.74	32.36	6.22	-39.62	42.70	74.00	31.30	PK	Horizontal
3	7609.600	43.53	36.52	7.62	-40.45	47.22	74.00	26.78	PK	Horizontal
4	10904.200	41.27	39.30	8.39	-39.06	49.90	74.00	24.10	PK	Horizontal
5	11572.300	45.98	39.06	8.76	-39.57	54.23	74.00	19.77	PK	Horizontal
6	15380.300	40.49	39.16	9.96	-39.40	50.21	74.00	23.79	PK	Horizontal

Final Data List									
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	11572.300	38.68	39.06	8.76	46.93	54.00	7.07	AV	Horizontal

Note:

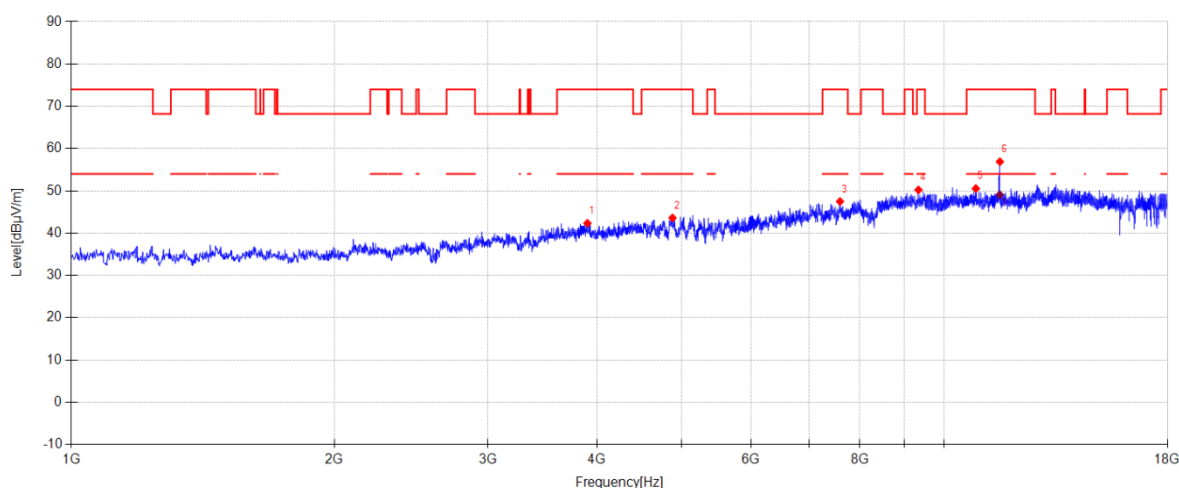
1. Level = Reading + Cable loss + Antenna Factor + AMP

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date: 2025-07-17 **Tested By:** Lin Guoyuan
EUT: Wireless Access Point **Model Number:** L2538
Test Mode: MIMO TX 11AX20 5785MHz Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:22.1°C;Humi:44.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25062705-2E\FCC Above 1G 5.8G\14
Memo: Sample Number:S25062705-004 Power Setting:11



Suspected Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3900.200	45.52	31.20	5.28	-39.66	42.34	74.00	31.66	PK	Vertical
2	4881.100	43.55	33.30	6.36	-39.61	43.60	74.00	30.40	PK	Vertical
3	7592.600	43.87	36.49	7.61	-40.47	47.50	74.00	26.50	PK	Vertical
4	9338.500	42.50	38.68	8.12	-39.07	50.23	74.00	23.77	PK	Vertical
5	10863.400	41.92	39.34	8.38	-39.08	50.56	74.00	23.44	PK	Vertical
6	11574.000	48.66	39.05	8.76	-39.57	56.90	74.00	17.10	PK	Vertical

Final Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	11570.088	40.84	39.05	8.76	49.08	54.00	4.92	AV	Vertical

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-07-17

Tested By:

Lin Guoyuan

EUT:

Wireless Access Point

Model Number:

L2538

Test Mode:

MIMO TX 11AX20 5825MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

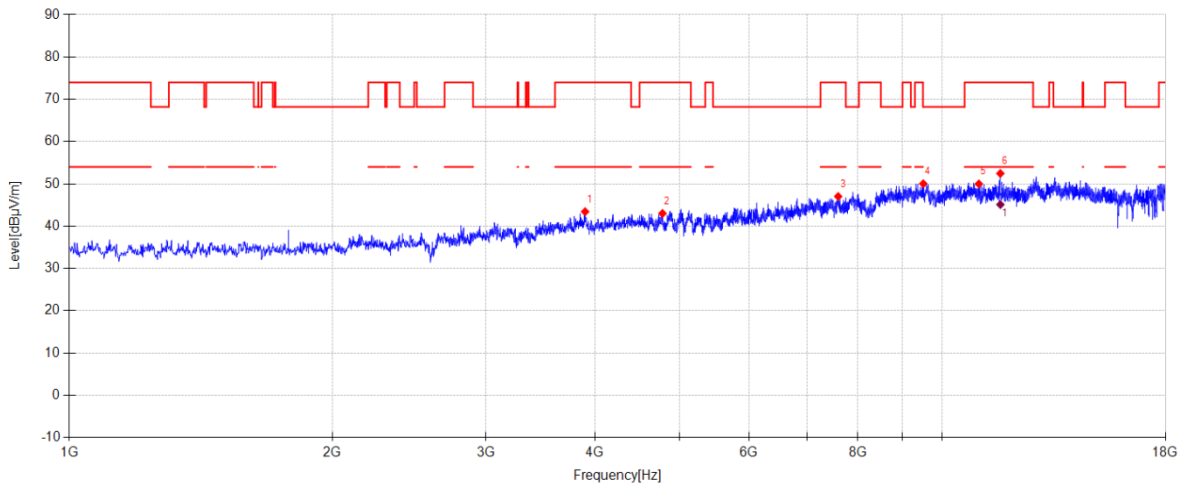
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25062705-2E\FCC Above 1G 5.8G\15

Memo:

Sample Number:S25062705-004 Power Setting:11



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3896.800	46.63	31.18	5.28	-39.66	43.43	74.00	30.57	PK	Horizontal
2	4779.100	43.97	32.42	6.24	-39.62	43.01	74.00	30.99	PK	Horizontal
3	7596.000	43.38	36.49	7.61	-40.46	47.02	74.00	26.98	PK	Horizontal
4	9506.800	42.45	38.69	8.11	-39.21	50.04	68.20	18.16	PK	Horizontal
5	11007.900	41.29	39.30	8.42	-39.01	50.00	74.00	24.00	PK	Horizontal
6	11650.500	44.30	39.00	8.81	-39.65	52.46	74.00	21.54	PK	Horizontal

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	
1	11650.500	36.95	39.00	8.81	45.11	54.00	8.89	AV	Horizontal	

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-07-17

Tested By:

Lin Guoyuan

EUT:

Wireless Access Point

Model Number:

L2538

Test Mode:

MIMO TX 11AX20 5825MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

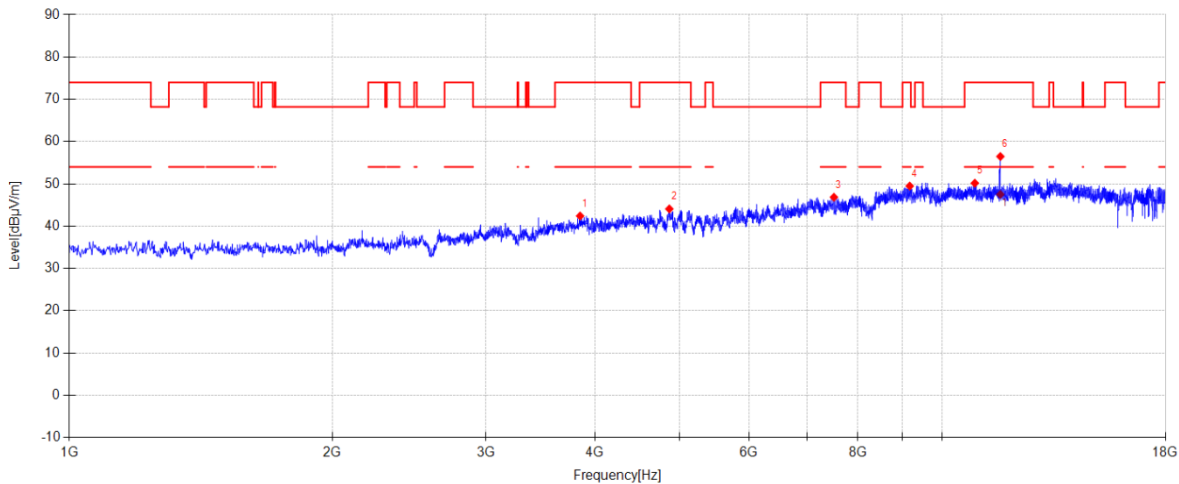
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25062705-2E\FCC Above 1G 5.8G\16

Memo:

Sample Number:S25062705-004 Power Setting:11



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3845.800	45.91	30.88	5.26	-39.64	42.41	74.00	31.59	PK	Vertical
2	4865.800	43.79	33.55	6.34	-39.61	44.07	74.00	29.93	PK	Vertical
3	7511.000	43.35	36.48	7.56	-40.54	46.85	74.00	27.15	PK	Vertical
4	9173.600	41.75	38.55	8.12	-38.94	49.48	74.00	24.52	PK	Vertical
5	10890.600	41.55	39.31	8.38	-39.07	50.17	74.00	23.83	PK	Vertical
6	11650.500	48.31	39.00	8.81	-39.65	56.47	74.00	17.53	PK	Vertical

Final Data List									
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	11650.500	39.35	39.00	8.81	47.51	54.00	6.49	AV	Vertical

Note:

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

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

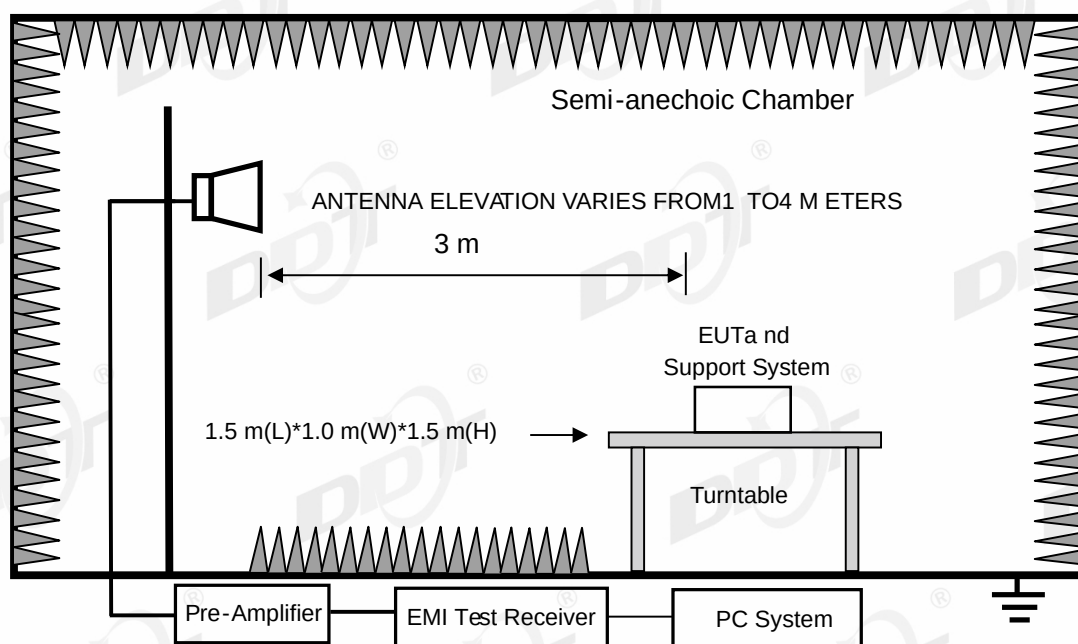
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

13 Band Edge Compliance

13.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/
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	2026/03/28
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
High pass filter	Micro-Tronics	HPM50102	DDT-ZC00561	2026/03/28
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2026/03/28
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. According to the results of the radiated Emission test, it can be judged that the Vertical direction is the Worst case.

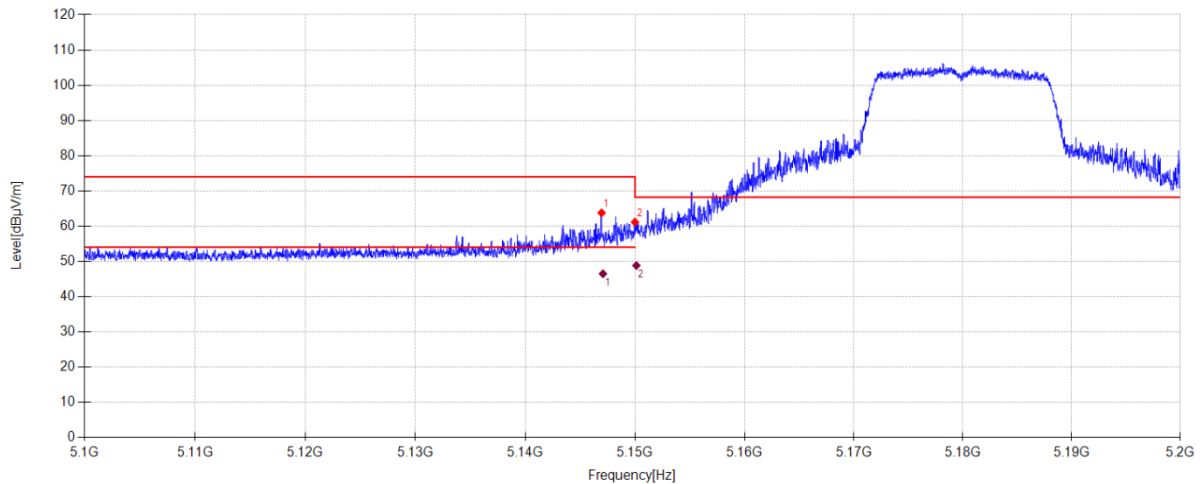
13.6. Test result

PASS. (See below detailed test result)

13.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date: 2025-07-15 **Tested By:** Lin Guoyuan
EUT: Wireless Access Point **Model Number:** L2538
Test Mode: MIMO TX 11A 5180MHz Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:22.1°C;Humi:44.4% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25062705-2E\FCC Above 1G 5G\22
Memo: Sample Number:S25062705-004 Power Setting:14



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	5146.950	54.70	33.40	5.28	-29.60	63.78	74.00	10.22	PK	Vertical
2	5150.000	52.07	33.40	5.28	-29.60	61.15	68.20	7.05	PK	Vertical

Final Data List

NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5147.074	37.41	33.40	5.28	46.49	54.00	7.51	AV	Vertical
2	5150.125	39.75	33.40	5.28	48.83	54.00	5.17	AV	Vertical

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-07-15

Tested By:

Lin Guoyuan

EUT:

Wireless Access Point

Model Number:

L2538

Test Mode:

MIMO TX 11A 5320MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

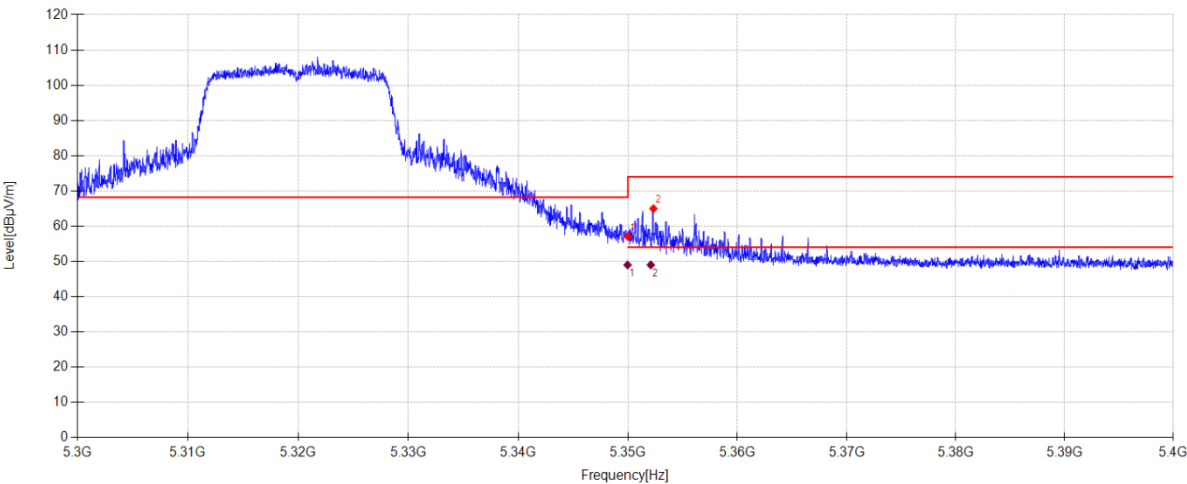
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25062705-2E\FCC Above 1G 5G\24

Memo:

Sample Number:S25062705-004 Power Setting:14



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	5350.000	48.16	33.10	5.41	-29.60	57.07	68.20	11.13	PK	Vertical
2	5352.330	56.06	33.10	5.41	-29.60	64.97	74.00	9.03	PK	Vertical

Final Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	
1	5349.970	40.07	33.10	5.41	48.98	54.00	5.02	AV	Vertical	
2	5352.089	40.09	33.10	5.41	49.00	54.00	5.00	AV	Vertical	

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-07-15

Tested By:

Lin Guoyuan

EUT:

Wireless Access Point

Model Number:

L2538

Test Mode:

MIMO TX 11A 5500MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

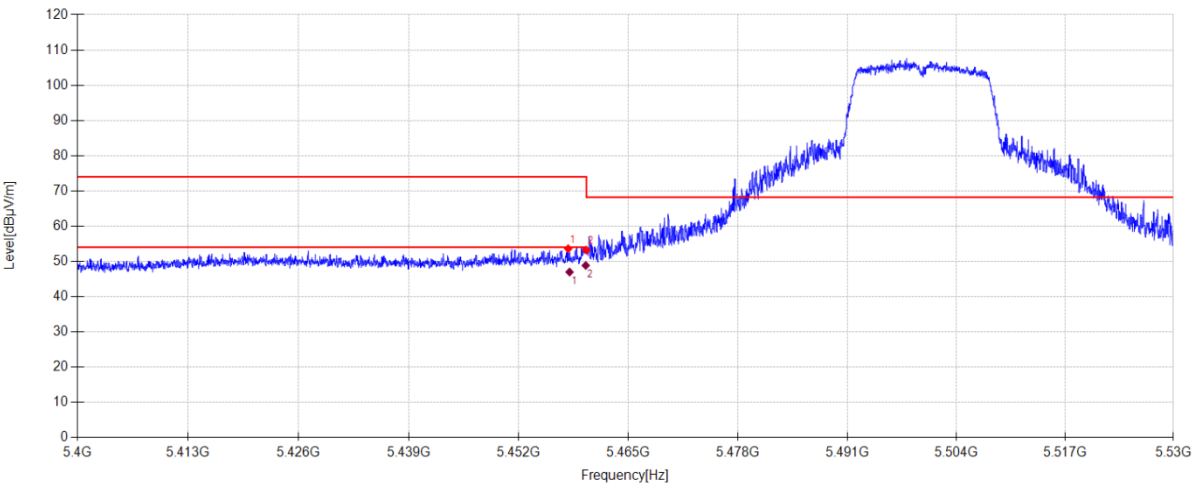
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25062705-2E\FCC Above 1G 5G\26

Memo:

Sample Number:S25062705-004 Power Setting:14



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	5457.837	44.72	33.00	5.48	-29.60	53.60	74.00	20.40	PK	Vertical
2	5460.000	44.32	33.00	5.48	-29.60	53.20	68.20	15.00	PK	Vertical

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	
1	5458.005	38.10	33.00	5.48	46.98	54.00	7.02	AV	Vertical	
2	5459.917	39.96	33.00	5.48	48.84	54.00	5.16	AV	Vertical	

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-07-15

Tested By:

Lin Guoyuan

EUT:

Wireless Access Point

Model Number:

L2538

Test Mode:

MIMO TX 11A 5700MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

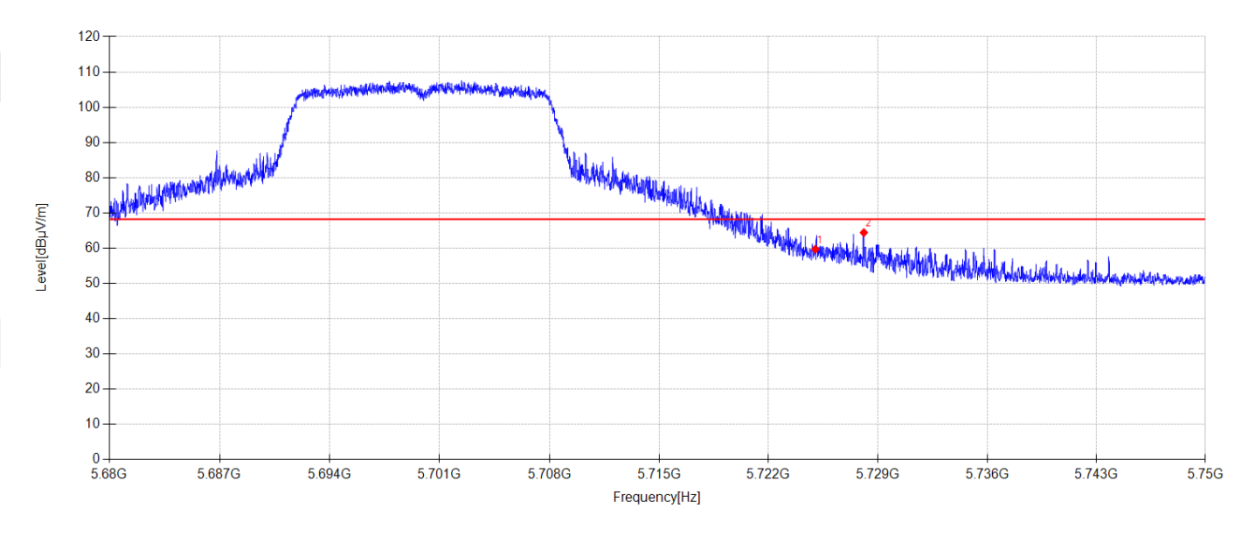
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25062705-2E\FCC Above 1G 5G\28

Memo:

Sample Number:S25062705-004 Power Setting:14



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5725.000	49.90	33.75	5.66	-29.60	59.71	68.20	8.49	PK	Vertical
2	5728.097	54.58	33.77	5.66	-29.60	64.41	68.20	3.79	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:

2025-07-15

Tested By:

Lin Guoyuan

EUT:

Wireless Access Point

Model Number:

L2538

Test Mode:

MIMO TX 11A 5720MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

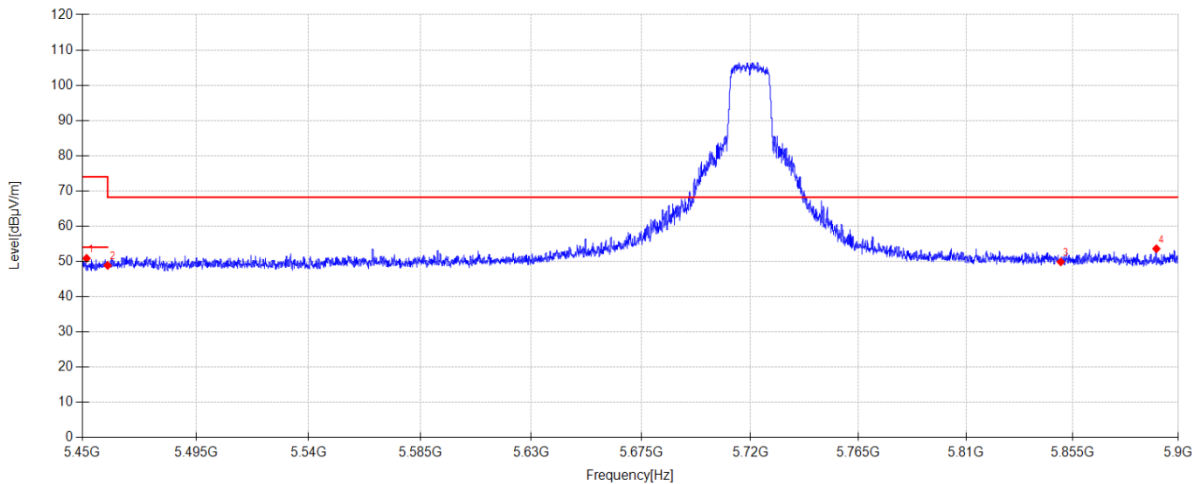
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25062705-2E\FCC Above 1G 5G KUAYUE\1

Memo:

Sample Number:S25062705-004 Power Setting:18.5



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	5451.665	41.99	33.00	5.48	-29.60	50.87	74.00	23.13	PK	Vertical
2	5460.000	39.98	33.00	5.48	-29.60	48.86	68.20	19.34	PK	Vertical
3	5850.000	39.71	34.00	5.74	-29.60	49.85	68.20	18.35	PK	Vertical
4	5890.640	43.35	34.08	5.77	-29.60	53.60	68.20	14.60	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:

2025-07-16

Tested By:

Lin Guoyuan

EUT:

Wireless Access Point

Model Number:

L2538

Test Mode:

MIMO TX 11N20 5180MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

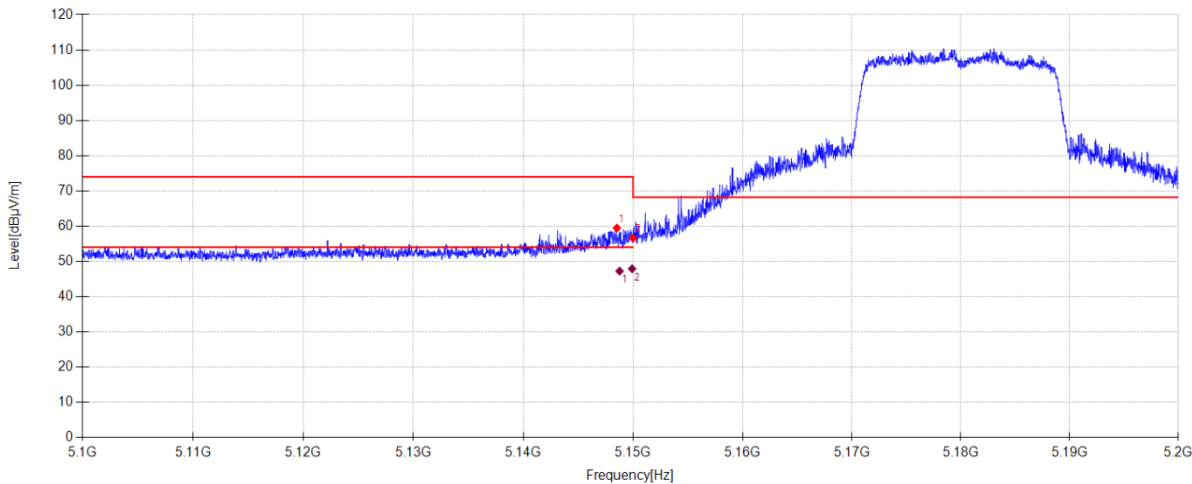
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25062705-2E\FCC Above 1G 5G\29

Memo:

Sample Number:S25062705-004 Power Setting:14



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	5148.530	50.37	33.40	5.28	-29.60	59.45	74.00	14.55	PK	Vertical
2	5150.000	47.55	33.40	5.28	-29.60	56.63	68.20	11.57	PK	Vertical

Final Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	
1	5148.778	38.17	33.40	5.28	47.25	54.00	6.75	AV	Vertical	
2	5149.922	38.83	33.40	5.28	47.91	54.00	6.09	AV	Vertical	

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-07-16

Tested By:

Lin Guoyuan

EUT:

Wireless Access Point

Model Number:

L2538

Test Mode:

MIMO TX 11N20 5320MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

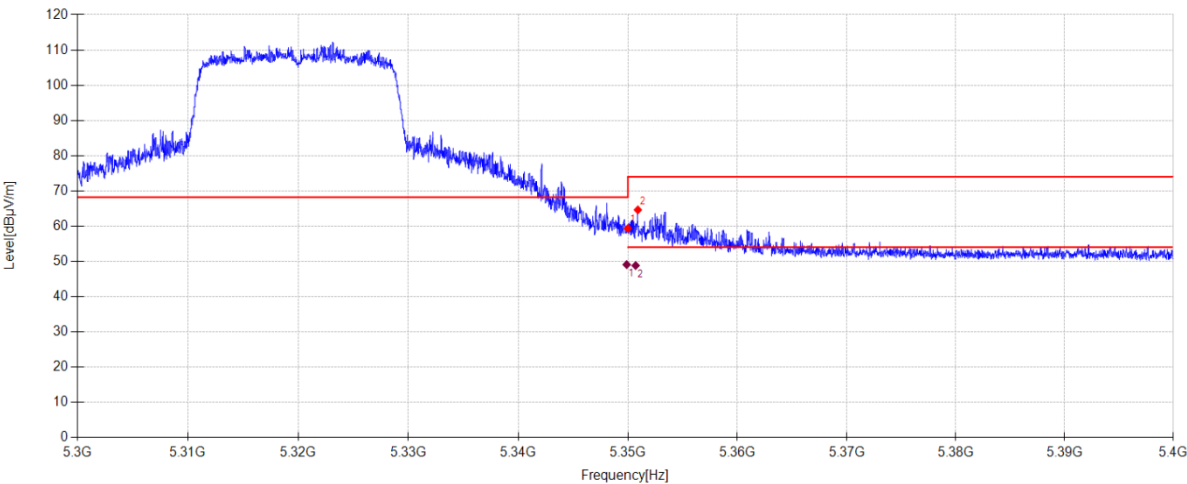
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25062705-2E\FCC Above 1G 5G\30

Memo:

Sample Number:S25062705-004 Power Setting:14



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	5350.000	50.45	33.10	5.41	-29.60	59.36	68.20	8.84	PK	Vertical
2	5350.910	55.70	33.10	5.41	-29.60	64.61	74.00	9.39	PK	Vertical

Final Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	
1	5349.889	40.18	33.10	5.41	49.09	54.00	4.91	AV	Vertical	
2	5350.706	39.91	33.10	5.41	48.82	54.00	5.18	AV	Vertical	

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-07-16

Tested By:

Lin Guoyuan

EUT:

Wireless Access Point

Model Number:

L2538

Test Mode:

MIMO TX 11N20 5500MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

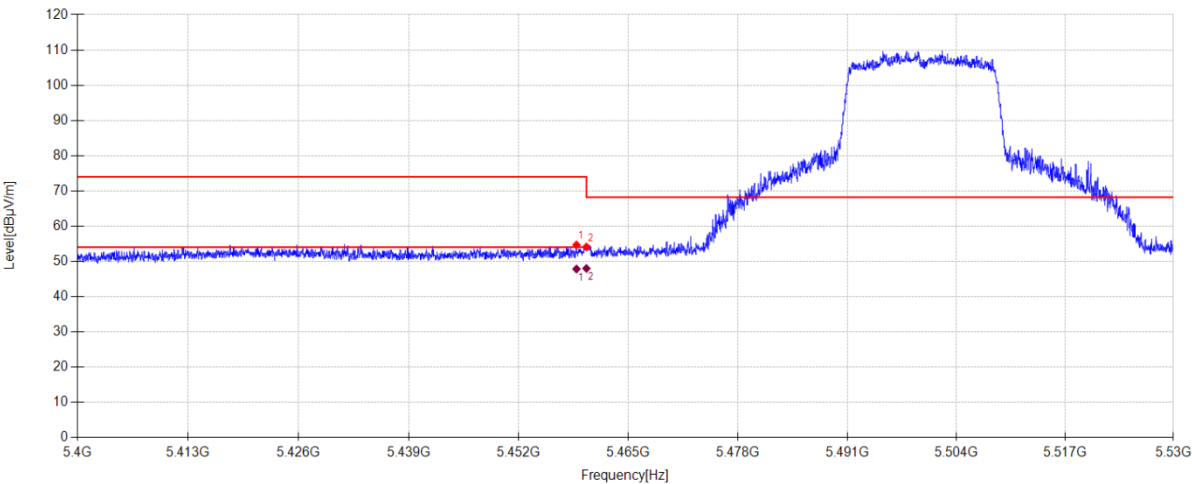
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25062705-2E\FCC Above 1G 5G\31

Memo:

Sample Number:S25062705-004 Power Setting:14



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	5458.825	45.80	33.00	5.48	-29.60	54.68	74.00	19.32	PK	Vertical
2	5460.000	45.22	33.00	5.48	-29.60	54.10	68.20	14.10	PK	Vertical

Final Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	
1	5458.825	38.96	33.00	5.48	47.84	54.00	6.16	AV	Vertical	
2	5460.000	39.12	33.00	5.48	48.00	54.00	6.00	AV	Vertical	

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-07-16

Tested By:

Lin Guoyuan

EUT:

Wireless Access Point

Model Number:

L2538

Test Mode:

MIMO TX 11N20 5700MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

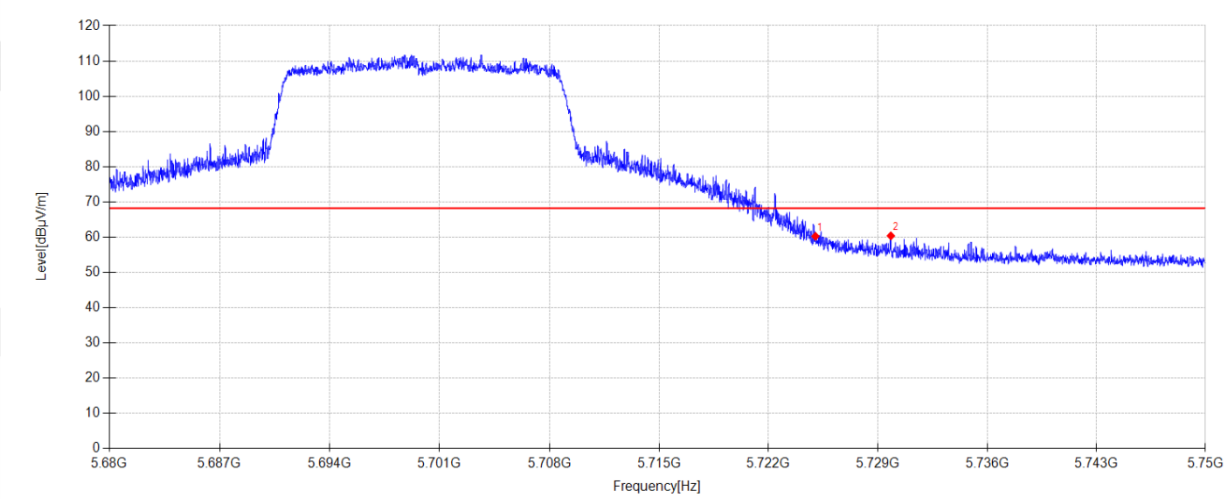
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25062705-2E\FCC Above 1G 5G\32

Memo:

Sample Number:S25062705-004 Power Setting:14



Suspected Data List										
NO	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5725.000	50.43	33.75	5.66	-29.60	60.24	68.20	7.96	PK	Vertical
2	5729.826	50.54	33.78	5.66	-29.60	60.38	68.20	7.82	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:

2025-07-16

Tested By:

Lin Guoyuan

EUT:

Wireless Access Point

Model Number:

L2538

Test Mode:

MIMO TX 11N20 5720MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

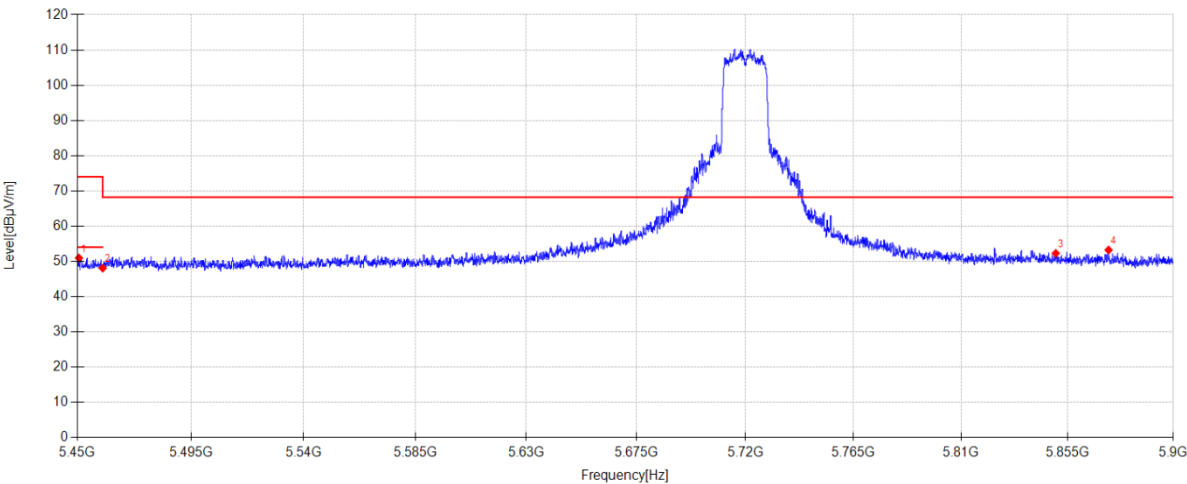
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25062705-2E\FCC Above 1G 5G KUAYUE\4

Memo:

Sample Number:S25062705-004 Power Setting:19



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	5450.630	42.09	33.00	5.48	-29.60	50.97	74.00	23.03	PK	Vertical
2	5460.000	39.21	33.00	5.48	-29.60	48.09	68.20	20.11	PK	Vertical
3	5850.000	42.15	34.00	5.74	-29.60	52.29	68.20	15.91	PK	Vertical
4	5872.415	43.03	34.04	5.76	-29.60	53.23	68.20	14.97	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:

2025-07-16

Tested By:

Lin Guoyuan

EUT:

Wireless Access Point

Model Number:

L2538

Test Mode:

MIMO TX 11AC20 5180MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:22.1°C;Humi:44.4%

Test Site:

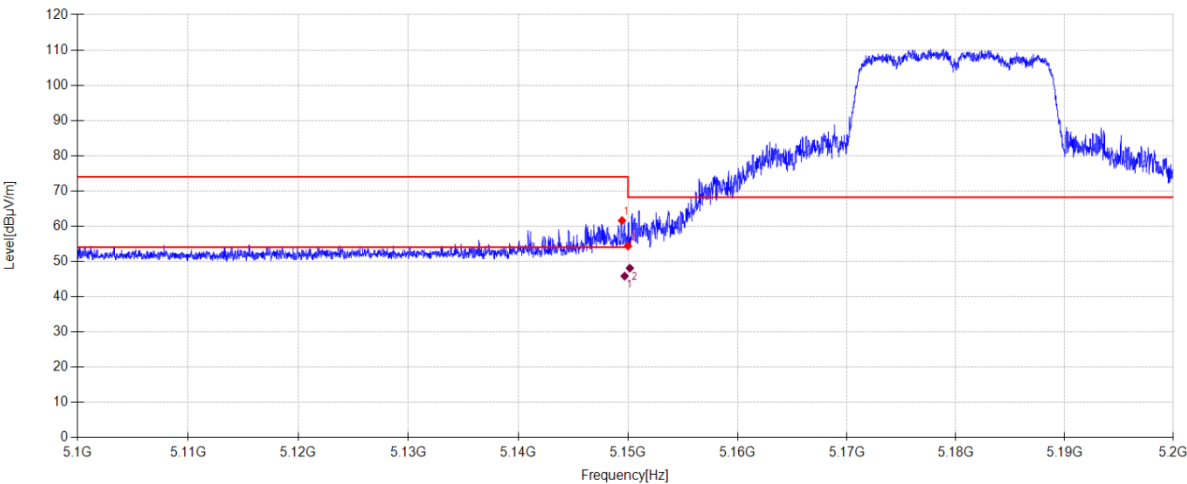
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25062705-2E\FCC Above 1G 5G\38

Memo:

Sample Number:S25062705-004 Power Setting:14



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	5149.450	52.51	33.40	5.28	-29.60	61.59	74.00	12.41	PK	Vertical
2	5150.000	45.28	33.40	5.28	-29.60	54.36	68.20	13.84	PK	Vertical

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	
1	5149.694	36.75	33.40	5.28	45.83	54.00	8.17	AV	Vertical	
2	5150.168	39.00	33.40	5.28	48.08	54.00	5.92	AV	Vertical	

Note:

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

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

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