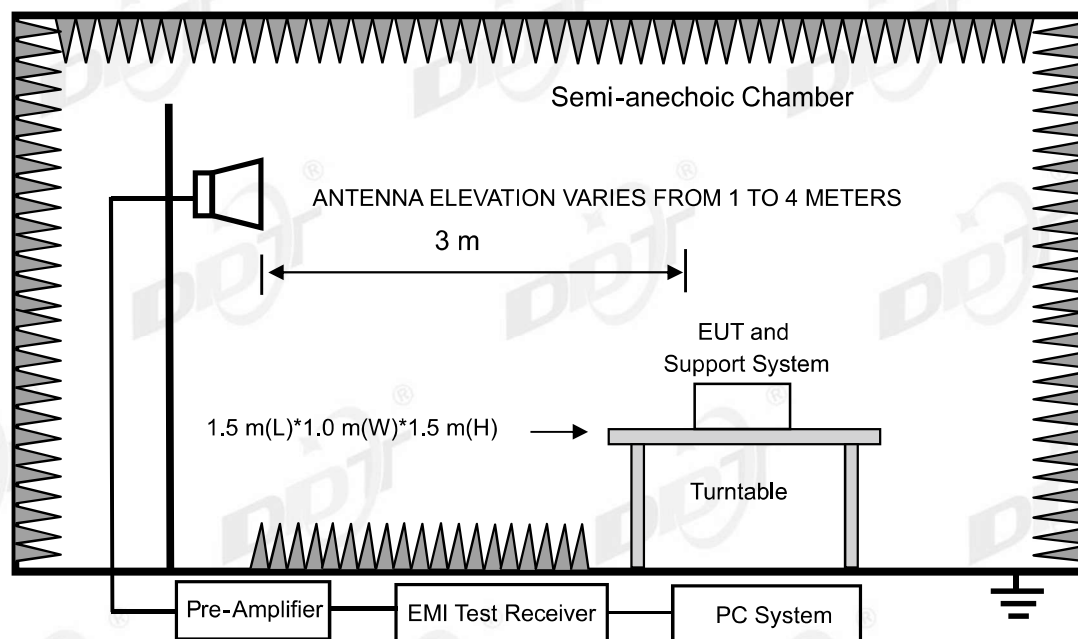




12.3. Limits

(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	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	
				mV/m	dB(mV)/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 dB(mV)/m (Peak) 54.0 dB(mV)/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:

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

(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
Laptop	Lenovo	00426-OEM-8992662-00006	Fixed frequency computer	N/A

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 C63.10:2013 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 trilog 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 through 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 C63.10:2013 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 C63.10:2013 clause 4.1.4.2.2 procedure for average measure.

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

12.6. Test result

PASS. (See below detailed test result)

All the emissions except fundamental emission from 9 kHz to 25 GHz were comply with 15.209 limits and RSS-Gen section 8.9 limits.

Note 1: According exploratory test, the emission levels are 20 dB below the limit detected from 9 kHz to 30 MHz and 18 GHz to 25 GHz, so the final test was performed with frequency range from 30 MHz to 18 GHz and recorded in below.

Note 2: 30 MHz ~ 25 GHz: (Scan with all mode, the worst case is 802.11b mode)

Note 3: 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 EUT working in 802.11b, Tx 2412 MHz mode.

Note 4: For emissions above 1 GHz. If peak results comply with AV limit, AV Result is deemed to comply with AV limit, only recorded the worst case in this report.

12.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:2024-12-18

Tested By:Guoyuan Lin

EUT:Ceiling fan

Model Number:27109-U*

Test Mode:TX 2.4GWIFI Mode

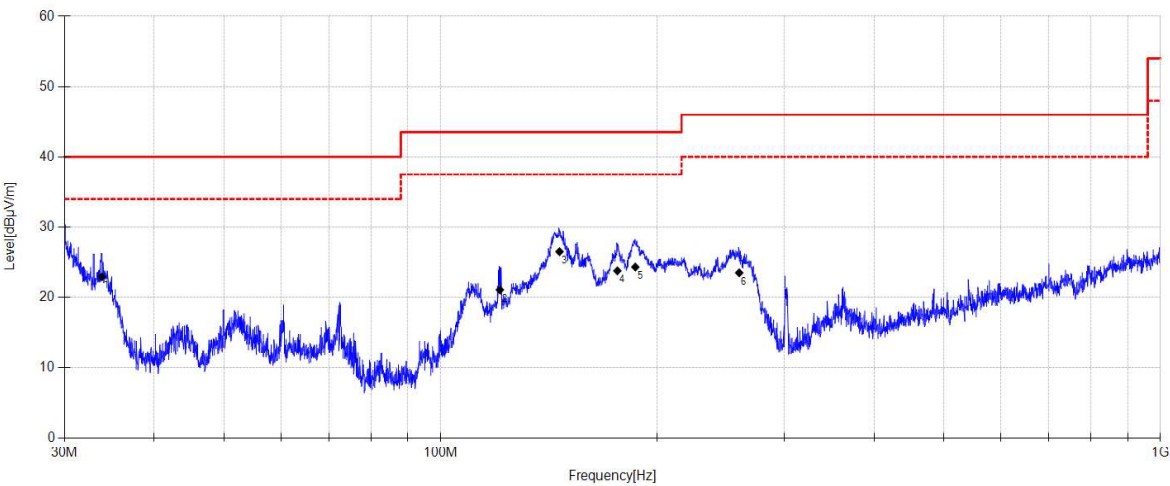
Power Supply:AC 120V/50Hz

Condition:Temp:21.5°C;Humi:50.9%

Test Site:DDT 3# Chamber

File Path:d:\ts\2024 report data\Q24121106-2E\FCC Below 1G\20241218-091502_H

Memo:



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	33.822	38.79	11.43	3.78	22.90	40.00	17.10	QP	Horizontal
2	120.835	38.01	9.83	4.33	21.05	43.50	22.45	QP	Horizontal
3	146.225	44.74	8.43	4.47	26.49	43.50	17.01	QP	Horizontal
4	175.959	40.52	9.78	4.63	23.75	43.50	19.75	QP	Horizontal
5	186.373	40.93	9.86	4.69	24.29	43.50	19.21	QP	Horizontal
6	259.850	38.24	11.51	5.04	23.47	46.00	22.53	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:

2024-12-18

Tested By:

Guoyuan Lin

EUT:

Ceiling fan

Model Number:

27109-U*

Test Mode:

TX 2.4GWIFI Mode

Power Supply:

AC 120V/50Hz

Condition:

Temp:21.5°C;Humi:50.9%

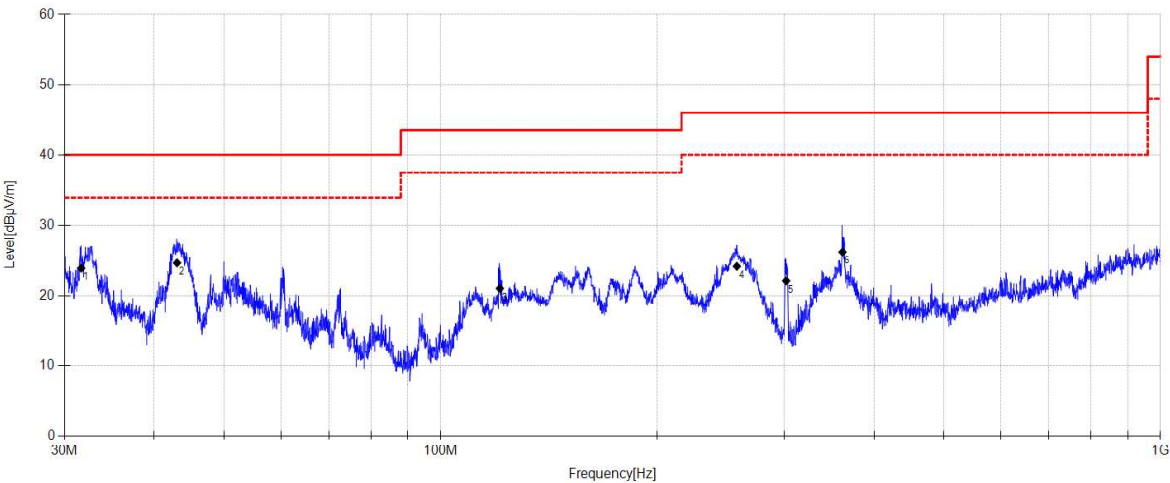
Test Site:

DDT 3# Chamber

File Path:

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Memo:



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	31.664	41.01	10.20	3.77	23.88	40.00	16.12	QP	Vertical
2	43.017	39.09	12.80	3.84	24.63	40.00	15.37	QP	Vertical
3	120.835	38.02	9.83	4.33	21.06	43.50	22.44	QP	Vertical
4	257.853	38.81	11.63	5.03	24.15	46.00	21.85	QP	Vertical
5	301.918	34.59	13.70	5.23	22.12	46.00	23.88	QP	Vertical
6	361.534	37.32	14.90	5.47	26.26	46.00	19.74	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:

2024-12-18

Tested By:

Guoyuan Lin

EUT:

Ceiling fan

Model Number:

37000055

Test Mode:

TX 2.4GWIFI Mode

Power Supply:

AC 120V/50Hz

Condition:

Temp:21.5°C;Humi:50.9%

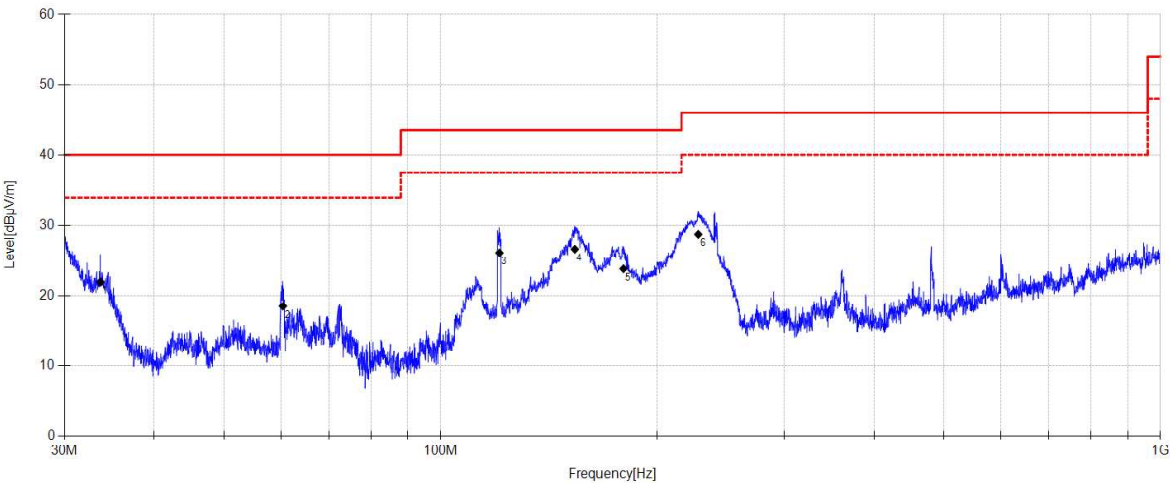
Test Site:

DDT 3# Chamber

File Path:

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Memo:



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	33.680	37.92	11.34	3.78	21.94	40.00	18.06	QP	Horizontal
2	60.356	32.96	12.66	3.96	18.48	40.00	21.52	QP	Horizontal
3	120.666	43.05	9.87	4.33	26.13	43.50	17.37	QP	Horizontal
4	153.581	44.42	8.87	4.51	26.65	43.50	16.85	QP	Horizontal
5	179.448	40.76	9.59	4.65	23.82	43.50	19.68	QP	Horizontal
6	227.918	43.52	11.59	4.89	28.74	46.00	17.26	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:

2024-12-18

Tested By:

Guoyuan Lin

EUT:

Ceiling fan

Model Number:

37000055

Test Mode:

TX 2.4GWIFI Mode

Power Supply:

AC 120V/50Hz

Condition:

Temp:21.5°C;Humi:50.9%

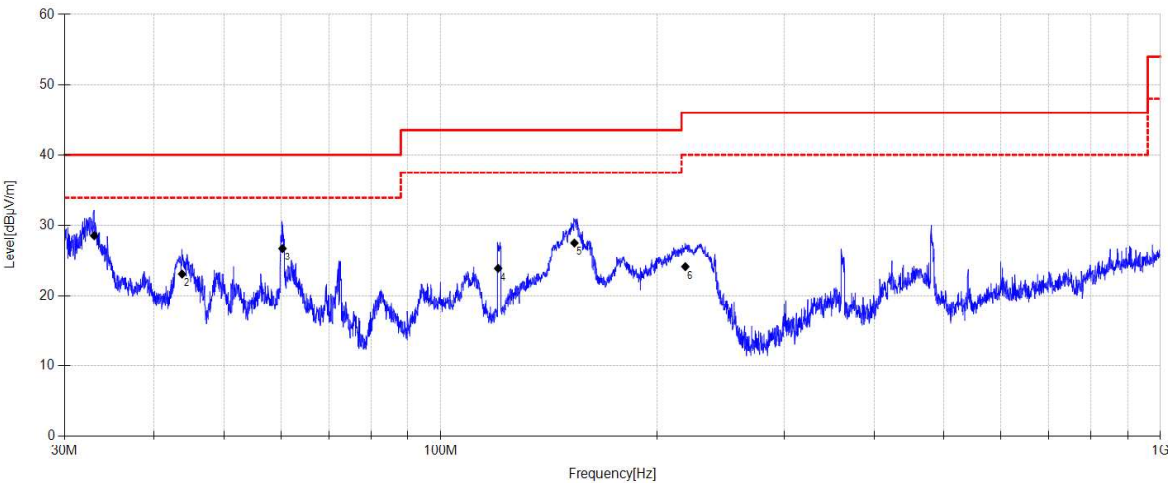
Test Site:

DDT 3# Chamber

File Path:

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Memo:



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	33.002	44.97	10.90	3.78	28.55	40.00	11.45	QP	Vertical
2	43.717	37.38	12.94	3.84	23.06	40.00	16.94	QP	Vertical
3	60.272	41.21	12.69	3.96	26.76	40.00	13.24	QP	Vertical
4	120.159	40.67	9.97	4.33	23.85	43.50	19.65	QP	Vertical
5	153.365	45.36	8.81	4.51	27.53	43.50	15.97	QP	Vertical
6	218.681	39.56	10.92	4.85	24.09	46.00	21.91	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:

2024-12-18

Tested By:

Guoyuan Lin

EUT:

Ceiling fan

Model Number:

37000062*

Test Mode:

TX 2.4GWIFI Mode

Power Supply:

AC 120V/50Hz

Condition:

Temp:21.5°C;Humi:50.9%

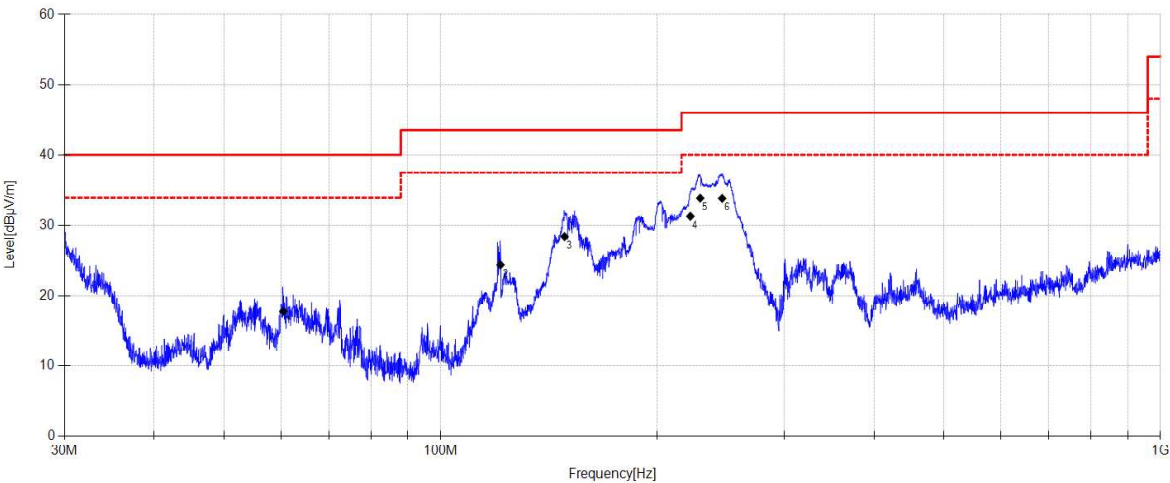
Test Site:

DDT 3# Chamber

File Path:

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Memo:



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	60.441	32.25	12.62	3.96	17.73	40.00	22.27	QP	Horizontal
2	121.089	41.37	9.76	4.33	24.34	43.50	19.16	QP	Horizontal
3	148.602	46.35	8.74	4.48	28.42	43.50	15.08	QP	Horizontal
4	222.237	46.51	11.13	4.86	31.26	46.00	14.74	QP	Horizontal
5	229.361	48.56	11.74	4.90	33.94	46.00	12.06	QP	Horizontal
6	246.020	48.68	11.54	4.97	33.90	46.00	12.10	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:

2024-12-18

Tested By:

Guoyuan Lin

EUT:

Ceiling fan

Model Number:

37000062*

Test Mode:

TX 2.4GWIFI Mode

Power Supply:

AC 120V/50Hz

Condition:

Temp:21.5°C;Humi:50.9%

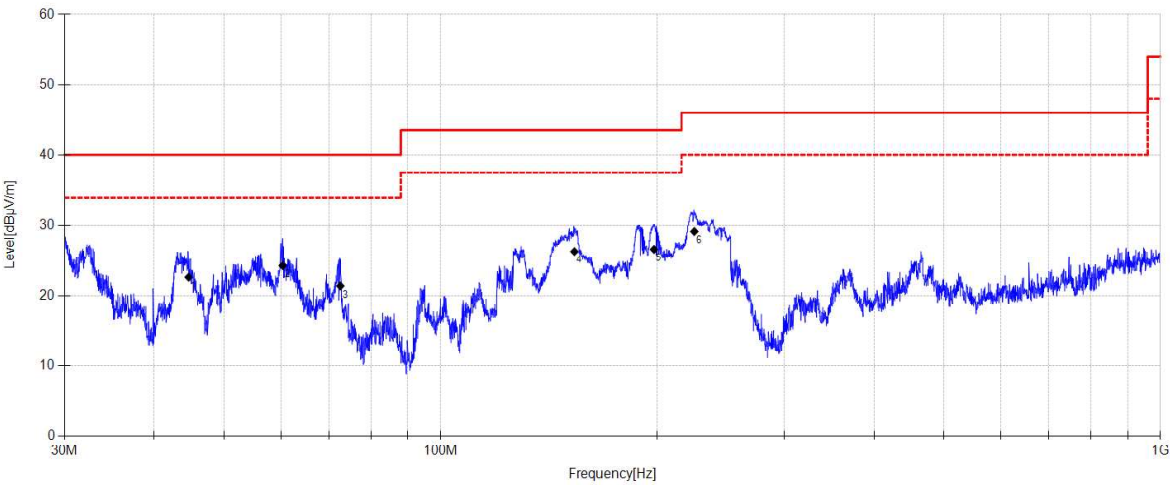
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DDT 3# Chamber

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Memo:



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	44.646	36.75	13.13	3.85	22.63	40.00	17.37	QP	Vertical
2	60.314	38.72	12.67	3.96	24.25	40.00	15.75	QP	Vertical
3	72.528	39.07	9.39	4.04	21.40	40.00	18.60	QP	Vertical
4	153.365	44.15	8.81	4.51	26.32	43.50	17.18	QP	Vertical
5	197.818	42.6	10.48	4.75	26.63	43.50	16.87	QP	Vertical
6	225.059	44.2	11.31	4.88	29.14	46.00	16.86	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:

2024-12-18

Tested By:

Guoyuan Lin

EUT:

Ceiling fan

Model Number:

37000063*

Test Mode:

TX 2.4GWIFI Mode

Power Supply:

AC 120V/50Hz

Condition:

Temp:21.5°C;Humi:50.9%

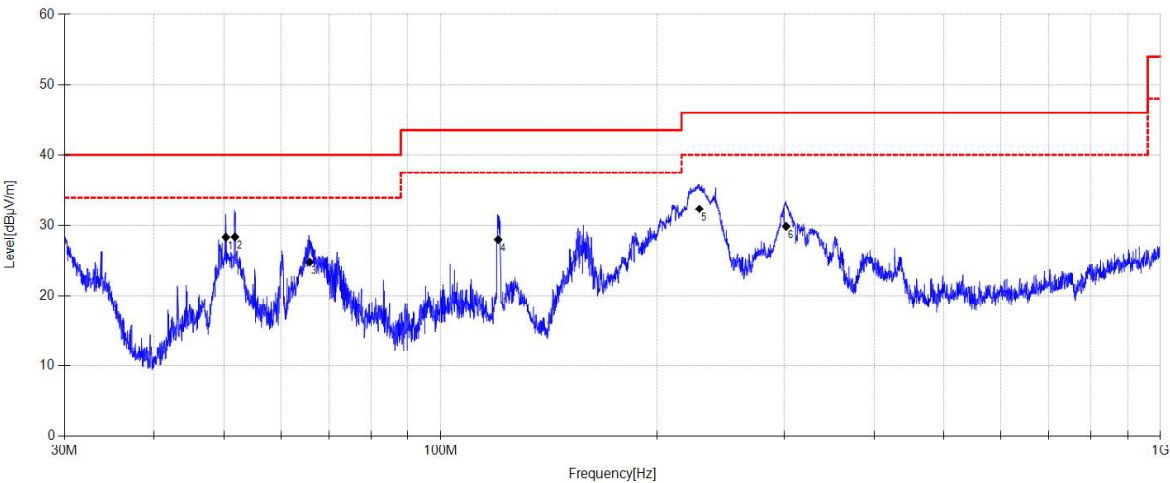
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DDT 3# Chamber

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Memo:



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	50.298	42.83	12.73	3.88	28.34	40.00	11.66	QP	Horizontal
2	51.765	42.88	12.71	3.89	28.38	40.00	11.62	QP	Horizontal
3	65.747	40.24	11.60	3.99	24.73	40.00	15.27	QP	Horizontal
4	120.159	44.83	9.97	4.33	28.01	43.50	15.49	QP	Horizontal
5	228.718	47.07	11.67	4.89	32.37	46.00	13.63	QP	Horizontal
6	301.918	42.32	13.70	5.23	29.85	46.00	16.15	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:

2024-12-18

Tested By:

Guoyuan Lin

EUT:

Ceiling fan

Model Number:

37000063*

Test Mode:

TX 2.4GWIFI Mode

Power Supply:

AC 120V/50Hz

Condition:

Temp:21.5°C;Humi:50.9%

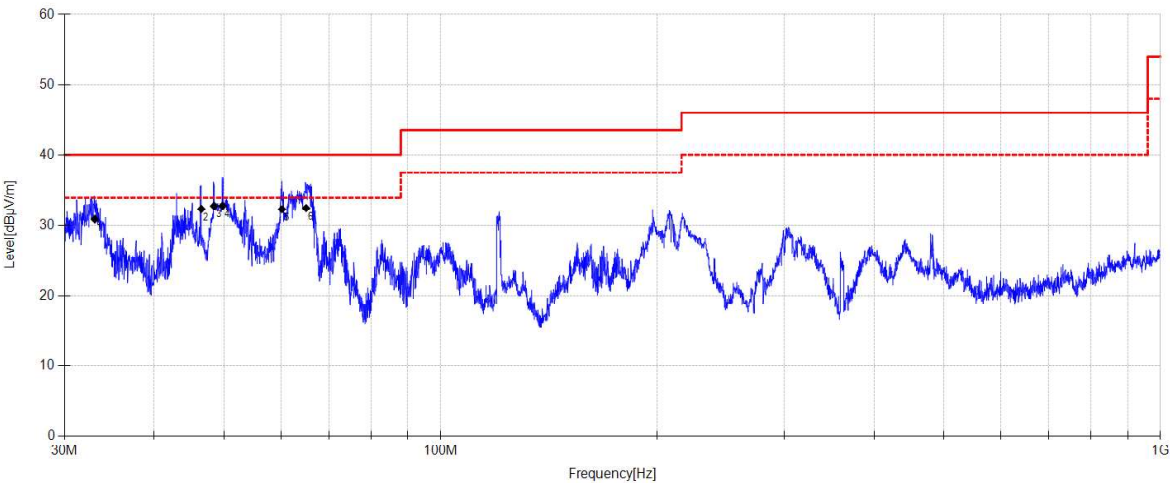
Test Site:

DDT 3# Chamber

File Path:

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Memo:



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	33.071	47.23	10.95	3.78	30.86	40.00	9.14	QP	Vertical
2	46.499	46.94	12.65	3.86	32.35	40.00	7.65	QP	Vertical
3	48.429	47.68	12.36	3.87	32.81	40.00	7.19	QP	Vertical
4	49.772	47.12	12.93	3.88	32.83	40.00	7.17	QP	Vertical
5	60.187	46.73	12.73	3.96	32.32	40.00	7.68	QP	Vertical
6	65.013	47.4	12.19	3.99	32.48	40.00	7.52	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:

2024-05-25

Tested By:

Genliu

EUT:

Ceiling fan

Model Number:

37000062

Test Mode:

2.4G WIFI TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.2°C;Humi:62.2%

Test Site:

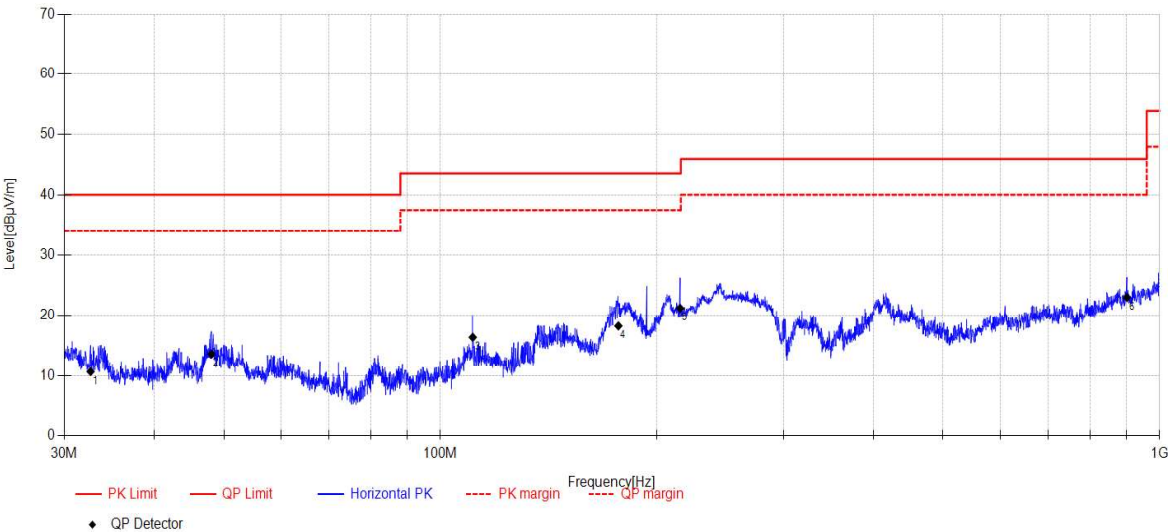
DDT 3# Chamber

File Path:

d:\ts\2024 report data\Q24041013-2E\FCC BELOW 1G\20240525-013144_H

Memo:

Side Sample Number:S24041013 Power Setting:22



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	AMP [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	32.633	28.55	10.61	3.78	-32.29	10.65	40.00	29.35	QP	Horizontal
2	48.057	29.9	12.13	3.87	-32.28	13.62	40.00	26.38	QP	Horizontal
3	110.928	32.4	11.91	4.28	-32.23	16.36	43.50	27.14	QP	Horizontal
4	176.825	36.11	9.72	4.63	-32.23	18.23	43.50	25.27	QP	Horizontal
5	215.485	37.87	10.73	4.83	-32.22	21.21	43.50	22.29	QP	Horizontal
6	900.798	26.11	21.90	7.20	-32.22	22.99	46.00	23.01	QP	Horizontal

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: 2024-05-25

Tested By: Genliu

EUT: Ceiling fan

Model Number: 37000062

Test Mode: 2.4G WIFI TX

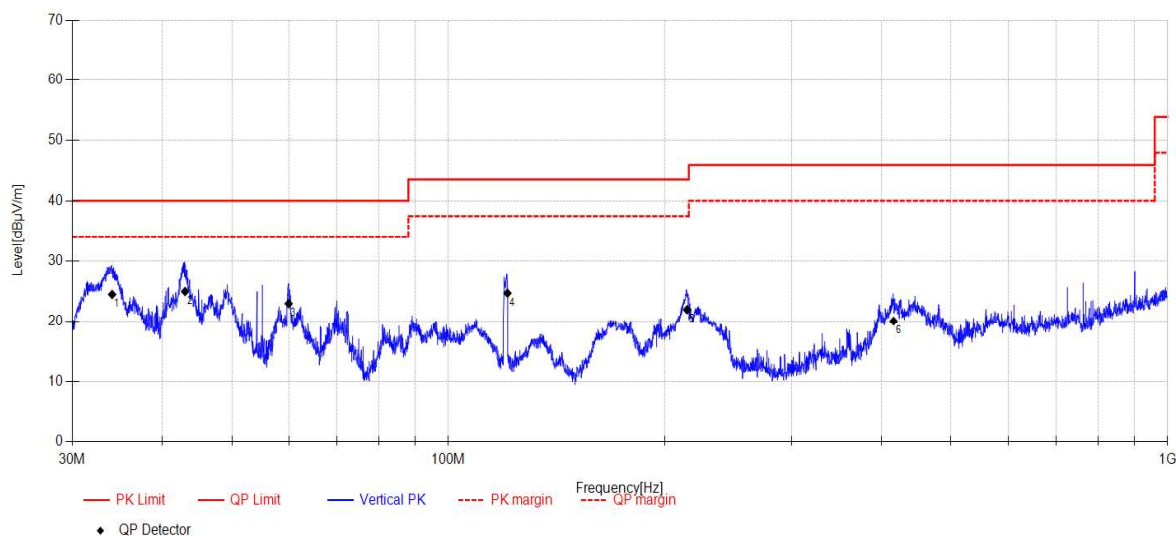
Power Supply: AC 120V/60Hz

Condition: Temp:24.2°C;Humi:62.2%

Test Site: DDT 3# Chamber

File Path: d:\ts\2024 report data\Q24041013-2E\FCC BELOW 1G\20240525-013233_V

Memo: Side Sample Number:S24041013 Power Setting:22



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	AMP [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	34.083	41.42	11.55	3.78	-32.29	24.46	40.00	15.54	QP	Vertical
2	43.047	40.57	12.81	3.84	-32.28	24.94	40.00	15.06	QP	Vertical
3	59.977	38.49	12.79	3.95	-32.27	22.96	40.00	17.04	QP	Vertical
4	120.835	42.72	9.83	4.33	-32.21	24.67	43.50	18.83	QP	Vertical
5	214.731	38.68	10.69	4.83	-32.23	21.97	43.50	21.53	QP	Vertical
6	415.960	31.79	14.98	5.68	-32.39	20.06	46.00	25.94	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:

2024-05-25

Tested By:

Genliu

EUT:

Ceiling fan

Model Number:

37000063

Test Mode:

2.4G WIFI TX

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.2°C;Humi:62.2%

Test Site:

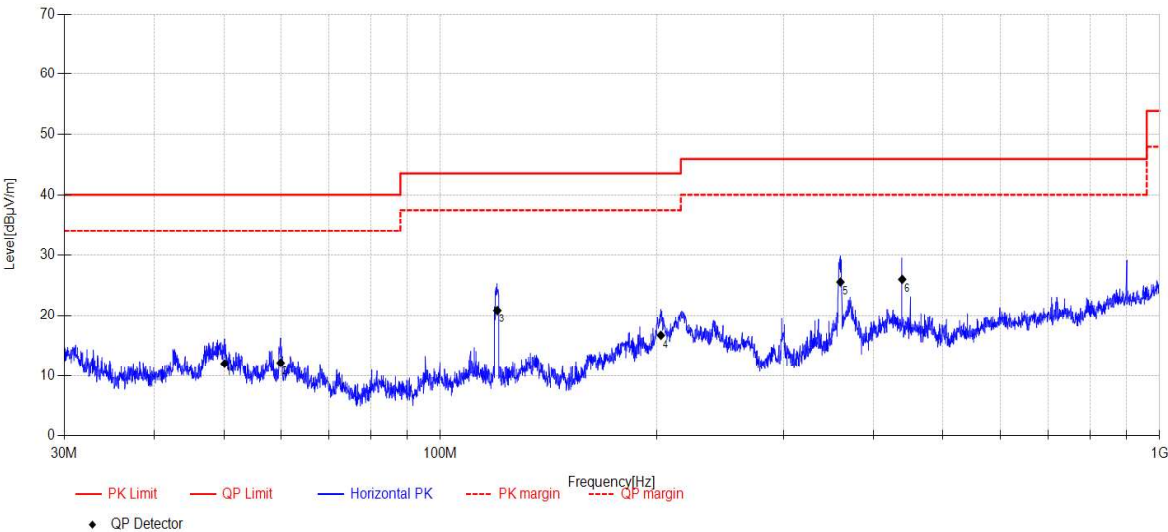
DDT 3# Chamber

File Path:

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Memo:

Side Sample Number:S24041013 Power Setting:22



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	AMP [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	50.122	27.53	12.89	3.88	-32.28	12.02	40.00	27.98	QP	Horizontal
2	59.977	27.69	12.79	3.95	-32.27	12.16	40.00	27.84	QP	Horizontal
3	119.991	38.76	10.00	4.33	-32.22	20.87	43.50	22.63	QP	Horizontal
4	202.591	33.48	10.70	4.77	-32.27	16.68	43.50	26.82	QP	Horizontal
5	360.016	37.48	14.90	5.46	-32.34	25.50	46.00	20.50	QP	Horizontal
6	438.728	36.53	16.07	5.77	-32.43	25.94	46.00	20.06	QP	Horizontal

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: 2024-05-25

Tested By: Genliu

EUT: Ceiling fan

Model Number: 37000063

Test Mode: 2.4G WIFI TX

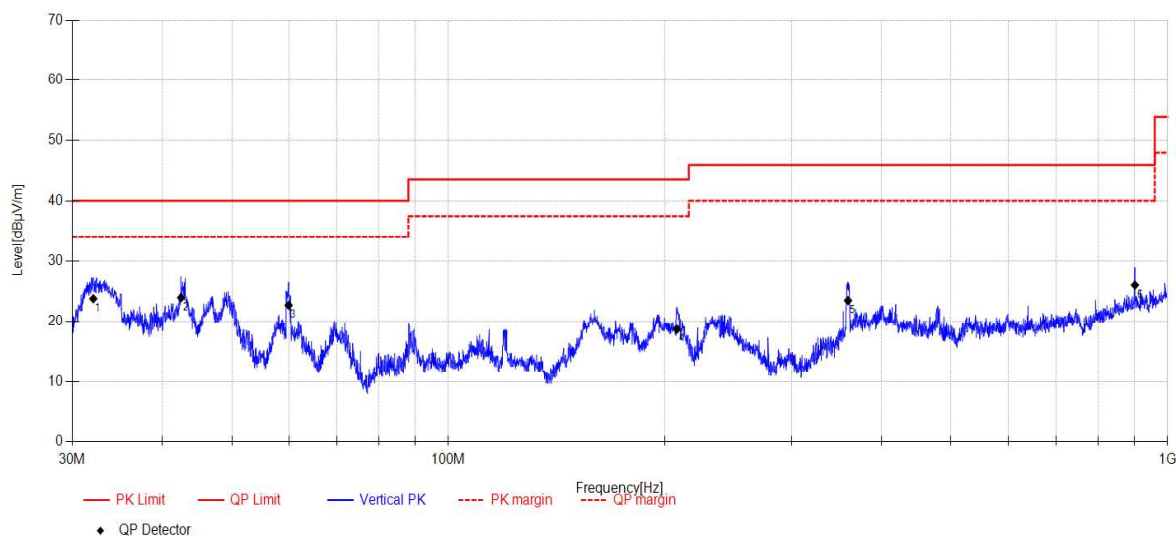
Power Supply: AC 120V/60Hz

Condition: Temp:24.2°C;Humi:62.2%

Test Site: DDT 3# Chamber

File Path: d:\ts\2024 report data\Q24041013-2E\FCC BELOW 1G\20240525-014554_V

Memo: Side Sample Number:S24041013 Power Setting:22



Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	AMP [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	32.089	42.12	10.17	3.77	-32.29	23.77	40.00	16.23	QP	Vertical
2	42.507	39.44	12.95	3.84	-32.28	23.95	40.00	16.05	QP	Vertical
3	59.977	38.23	12.79	3.95	-32.27	22.70	40.00	17.30	QP	Vertical
4	207.915	35.6	10.54	4.80	-32.25	18.69	43.50	24.81	QP	Vertical
5	359.512	35.39	14.96	5.46	-32.34	23.47	46.00	22.53	QP	Vertical
6	900.798	29.11	21.90	7.20	-32.22	25.99	46.00	20.01	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:

2024-05-29

Tested By:

Genliu

EUT:

Ceiling fan

Model Number:

37000063

Test Mode:

11B TX 2412MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.2°C;Humi:62.2%

Test Site:

DDT 3# Chamber

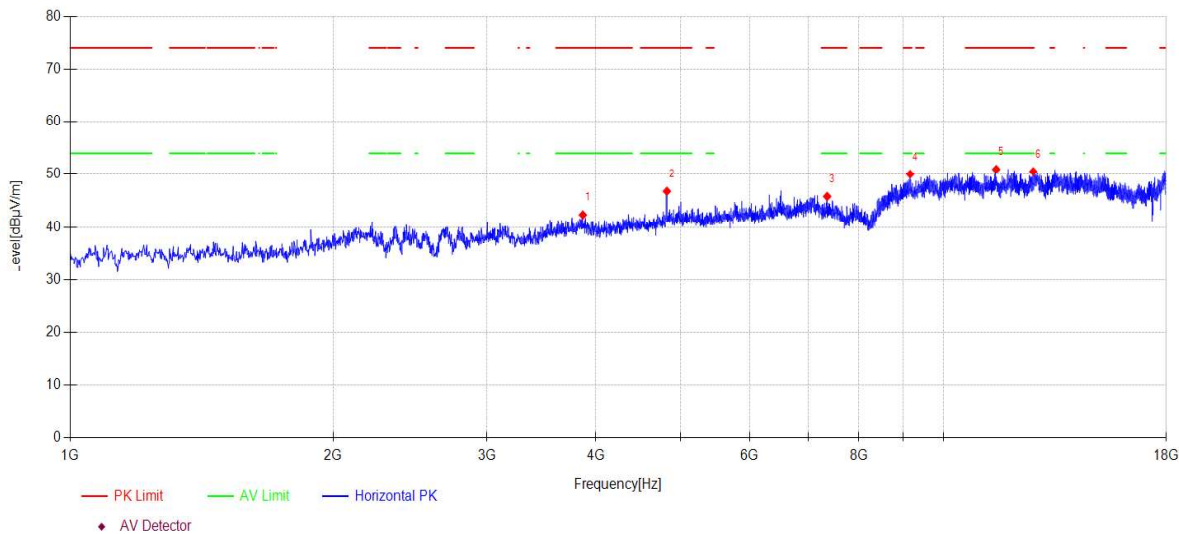
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Memo:

Side Sample Number:S24041013 Power Setting:22

Test Graph



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	46.66	30.99	5.07	-40.37	42.35	74.00	31.65	PK	Horizontal
2	4823.300	48.29	33.11	5.54	-40.15	46.79	74.00	27.21	PK	Horizontal
3	7359.700	44.01	36.78	6.63	-41.60	45.82	74.00	28.18	PK	Horizontal
4	9160.000	42.96	38.52	7.35	-38.78	50.05	74.00	23.95	PK	Horizontal
5	11492.400	42.65	39.21	8.44	-39.32	50.98	74.00	23.02	PK	Horizontal
6	12672.200	41.73	39.54	9.10	-39.82	50.55	74.00	23.45	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:

2024-05-29

Tested By:

Genliu

EUT:

Ceiling fan

Model Number:

37000063

Test Mode:

11B TX 2412MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.2°C;Humi:62.2%

Test Site:

DDT 3# Chamber

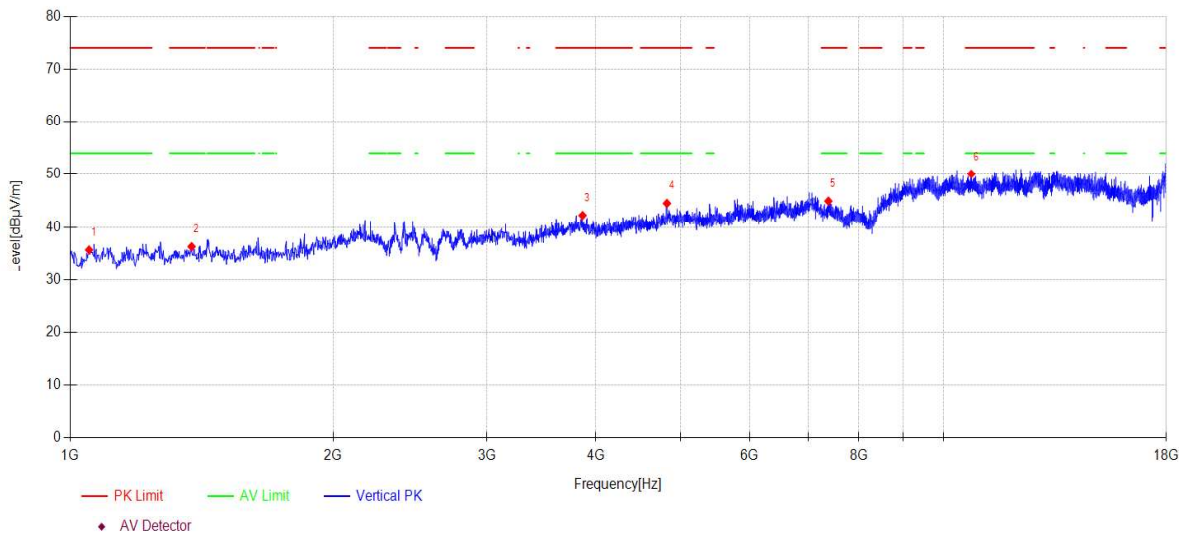
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Memo:

Side Sample Number:S24041013 Power Setting:22

Test Graph



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	1051.000	45.23	24.40	2.96	-36.89	35.70	74.00	38.30	PK	Vertical
2	1377.400	44.77	24.96	3.52	-36.93	36.32	74.00	37.68	PK	Vertical
3	3861.100	46.59	30.97	5.07	-40.37	42.26	74.00	31.74	PK	Vertical
4	4823.300	46.02	33.11	5.54	-40.15	44.52	74.00	29.48	PK	Vertical
5	7383.500	43.24	36.73	6.64	-41.66	44.95	74.00	29.05	PK	Vertical
6	10763.100	41.67	39.40	8.01	-39.00	50.08	74.00	23.92	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:

2024-05-29

Tested By:

Genliu

EUT:

Ceiling fan

Model Number:

37000063

Test Mode:

11B TX 2462MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.2°C;Humi:62.2%

Test Site:

DDT 3# Chamber

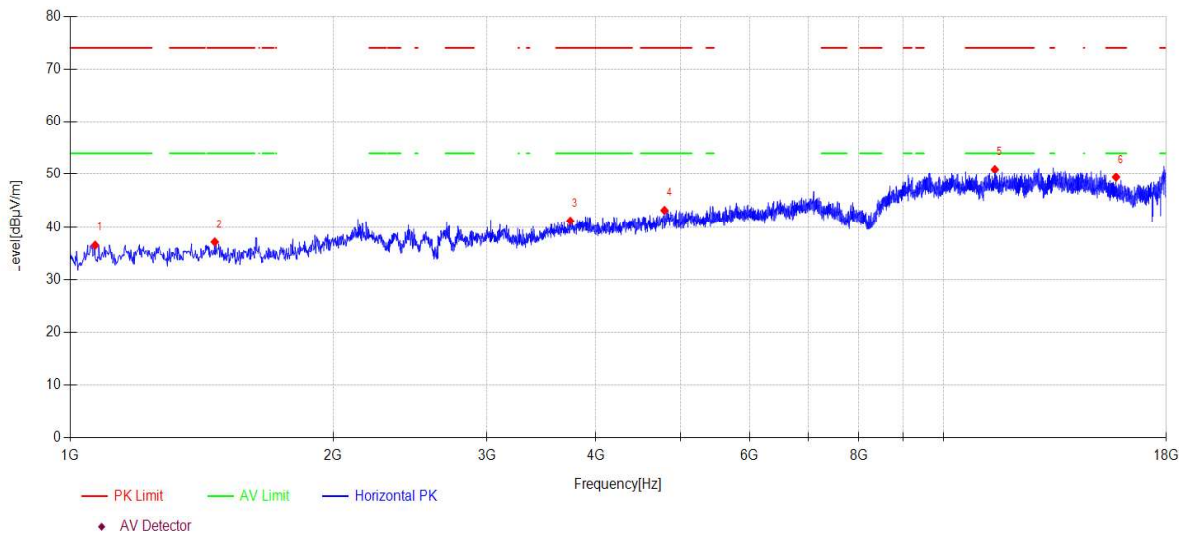
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Memo:

Side Sample Number:S24041013 Power Setting:22

Test Graph



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	1068.000	46.04	24.44	2.99	-36.89	36.58	74.00	37.42	PK	Horizontal
2	1464.100	45.09	25.36	3.67	-36.94	37.18	74.00	36.82	PK	Horizontal
3	3738.700	45.90	30.48	5.09	-40.29	41.18	74.00	32.82	PK	Horizontal
4	4792.700	45.37	32.47	5.53	-40.16	43.21	74.00	30.79	PK	Horizontal
5	11453.300	42.62	39.25	8.42	-39.30	50.99	74.00	23.01	PK	Horizontal
6	15764.500	40.27	38.37	9.99	-39.22	49.41	74.00	24.59	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:

2024-05-29

Tested By:

Genliu

EUT:

Ceiling fan

Model Number:

37000063

Test Mode:

11B TX 2462MHz

Power Supply:

AC 120V/60Hz

Condition:

Temp:24.2°C;Humi:62.2%

Test Site:

DDT 3# Chamber

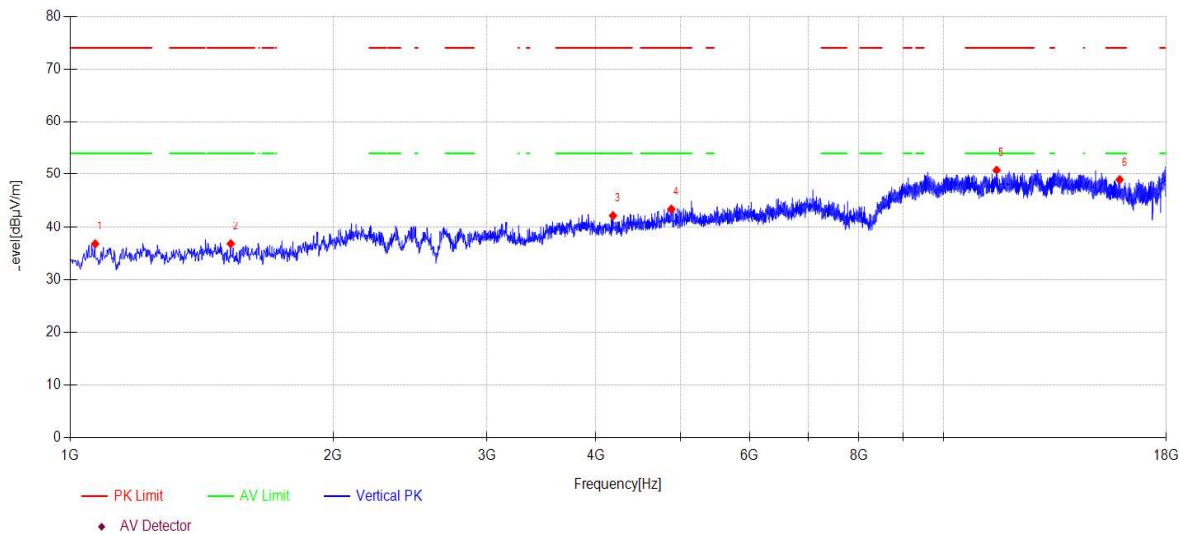
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Memo:

Side Sample Number:S24041013 Power Setting:22

Test Graph



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	1068.000	46.28	24.44	2.99	-36.89	36.82	74.00	37.18	PK	Vertical
2	1527.000	44.90	25.12	3.78	-36.95	36.85	74.00	37.15	PK	Vertical
3	4184.100	46.27	31.20	5.16	-40.38	42.25	74.00	31.75	PK	Vertical
4	4879.400	44.67	33.33	5.58	-40.12	43.46	74.00	30.54	PK	Vertical
5	11504.300	42.56	39.19	8.45	-39.33	50.87	74.00	23.13	PK	Vertical
6	15914.100	40.06	38.09	10.09	-39.31	48.93	74.00	25.07	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.