

(12) According exploratory test, the product showed no significant radiation emission above 18GHz. This report only records the data below 18GHz.

12.6. Test result

PASS. (See below detailed test result)

12.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-07-24

Tested By:

Lin Guoyuan

EUT:

Wireless Access Point

Model Number:

L2530

Test Mode:

MIMO TX 11AX20 2412MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:22.8°C;Humi:57.5%

Test Site:

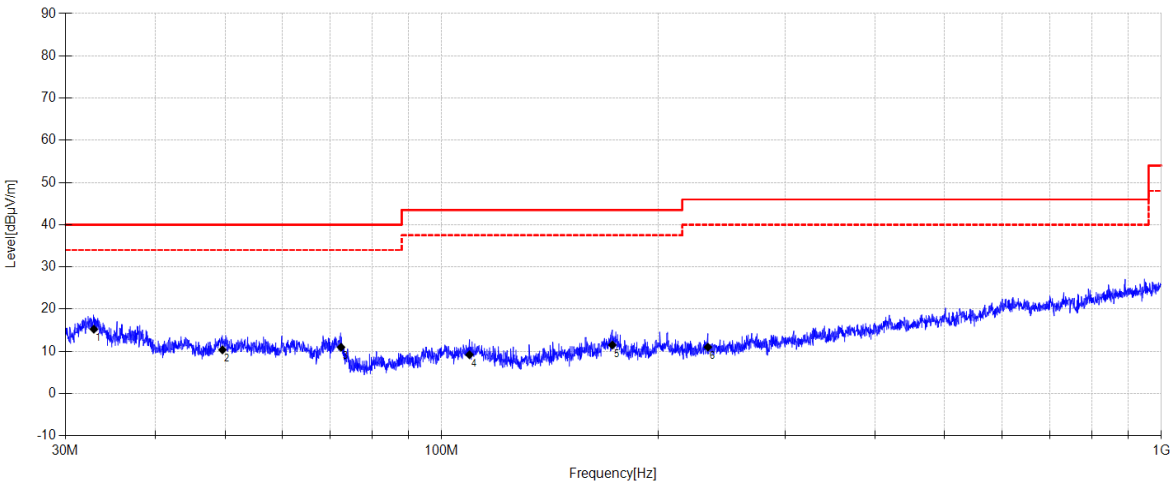
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25070107-1E\FCC Below 1G\20250724-080435_H

Memo:

Sample Numbel:S25070107-004



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	32.863	31.78	10.79	3.78	15.25	40.00	24.75	QP	Horizontal
2	49.597	24.7	12.88	3.88	10.36	40.00	29.64	QP	Horizontal
3	72.477	28.63	9.41	4.04	10.98	40.00	29.02	QP	Horizontal
4	109.307	23.94	12.10	4.27	9.20	43.50	34.30	QP	Horizontal
5	172.659	28.6	9.46	4.61	11.50	43.50	32.00	QP	Horizontal
6	234.401	25.89	11.45	4.92	10.99	46.00	35.01	QP	Horizontal

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-07-24

Tested By:

Lin Guoyuan

EUT:

Wireless Access Point

Model Number:

L2530

Test Mode:

MIMO TX 11AX20 2412MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:22.8°C;Humi:57.5%

Test Site:

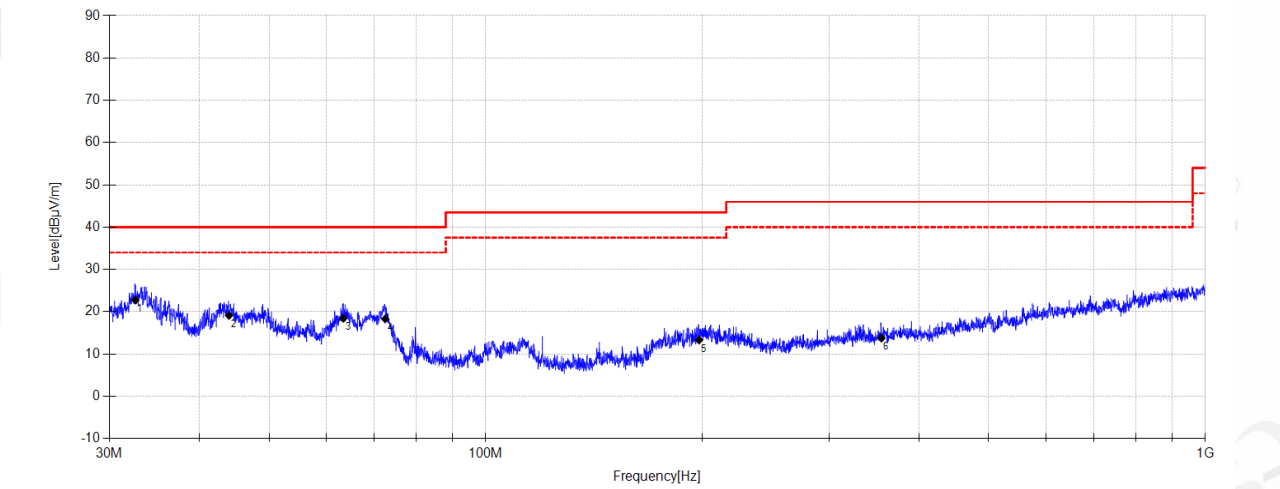
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25070107-1E\FCC Below 1G\20250724-080458_V

Memo:

Sample Numbler:S25070107-004



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	32.611	39.49	10.59	3.78	22.76	40.00	17.24	QP	Vertical
2	43.993	33.38	13.00	3.84	19.12	40.00	20.88	QP	Vertical
3	63.437	33.2	12.36	3.98	18.44	40.00	21.56	QP	Vertical
4	72.528	35.98	9.39	4.04	18.31	40.00	21.69	QP	Vertical
5	197.957	29.28	10.50	4.75	13.33	43.50	30.17	QP	Vertical
6	354.754	24.31	15.45	5.44	13.77	46.00	32.23	QP	Vertical

Note:

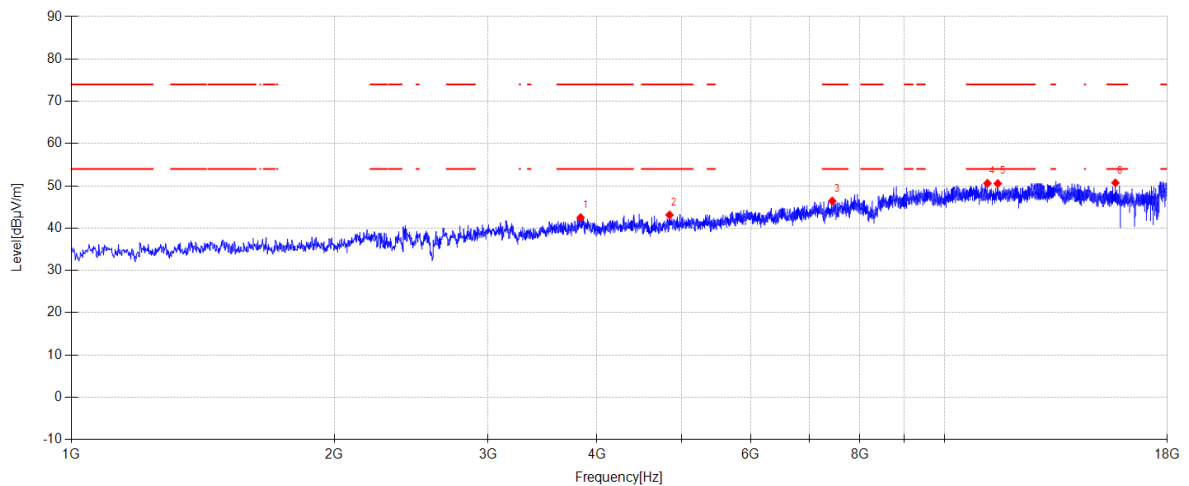
1. Result Level = Reading + Cable loss + Antenna Factor + AMP

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date: 2025-07-22 **Tested By:** Lin Guoyuan
EUT: Wireless Access Point **Model Number:** L2530
Test Mode: MIMO TX 11AX20 2412MHz Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:22.8°C;Humi:57.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25070107-1E\FCC Above 1G 2.4G\30
Memo: Sample Numbler:S25070107-004 Power Setting:17

**Suspected Data List**

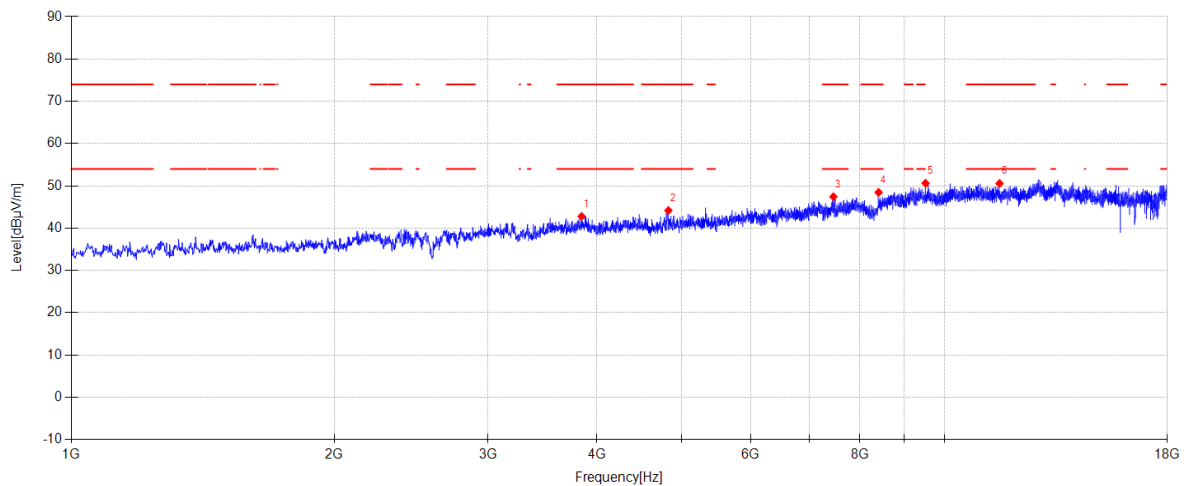
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3830.500	46.25	30.82	5.08	-39.64	42.51	74.00	31.49	PK	Horizontal
2	4843.700	43.52	33.64	5.56	-39.61	43.11	74.00	30.89	PK	Horizontal
3	7437.900	43.74	36.62	6.67	-40.61	46.42	74.00	27.58	PK	Horizontal
4	11200.000	42.35	39.20	8.26	-39.20	50.61	74.00	23.39	PK	Horizontal
5	11509.400	42.43	39.18	8.45	-39.51	50.55	74.00	23.45	PK	Horizontal
6	15696.500	41.67	38.50	9.95	-39.40	50.72	74.00	23.28	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: 2025-07-22 **Tested By:** Lin Guoyuan
EUT: Wireless Access Point **Model Number:** L2530
Test Mode: MIMO TX 11AX20 2412MHz Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:22.8°C;Humi:57.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25070107-1E\FCC Above 1G 2.4G\31
Memo: Sample Numbler:S25070107-004 Power Setting:17



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	3840.700	46.49	30.86	5.08	-39.64	42.79	74.00	31.21	PK	Vertical
2	4828.400	45.00	33.24	5.55	-39.61	44.18	74.00	29.82	PK	Vertical
3	7461.700	44.76	36.58	6.68	-40.58	47.44	74.00	26.56	PK	Vertical
4	8406.900	43.43	37.50	7.10	-39.57	48.46	74.00	25.54	PK	Vertical
5	9513.600	43.70	38.67	7.47	-39.21	50.63	-	-	PK	Vertical
6	11563.800	42.56	39.07	8.49	-39.56	50.56	74.00	23.44	PK	Vertical

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-07-22

Tested By:

Lin Guoyuan

EUT:

Wireless Access Point

Model Number:

L2530

Test Mode:

MIMO TX 11AX20 2437MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:22.8°C;Humi:57.5%

Test Site:

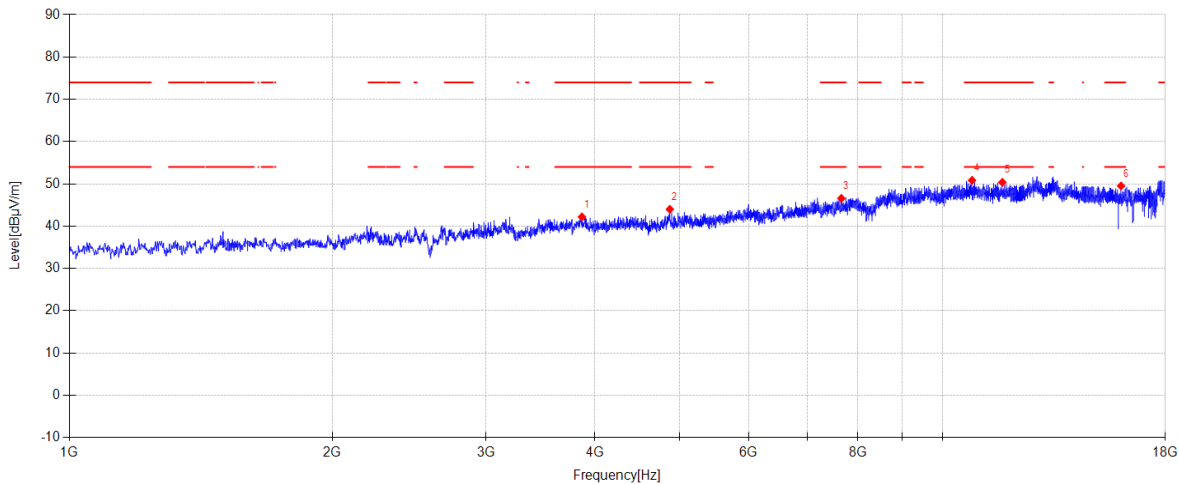
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25070107-1E\FCC Above 1G 2.4G\32

Memo:

Sample Numbler:S25070107-004 Power Setting:17



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	45.78	30.99	5.07	-39.65	42.19	74.00	31.81	PK	Horizontal
2	4872.600	44.59	33.44	5.57	-39.61	43.99	74.00	30.01	PK	Horizontal
3	7658.900	43.57	36.62	6.79	-40.41	46.57	74.00	27.43	PK	Horizontal
4	10810.700	42.51	39.39	8.04	-39.11	50.83	74.00	23.17	PK	Horizontal
5	11711.700	42.51	38.99	8.58	-39.71	50.37	74.00	23.63	PK	Horizontal
6	16016.100	40.79	37.98	10.15	-39.41	49.51	74.00	24.49	PK	Horizontal

Note:

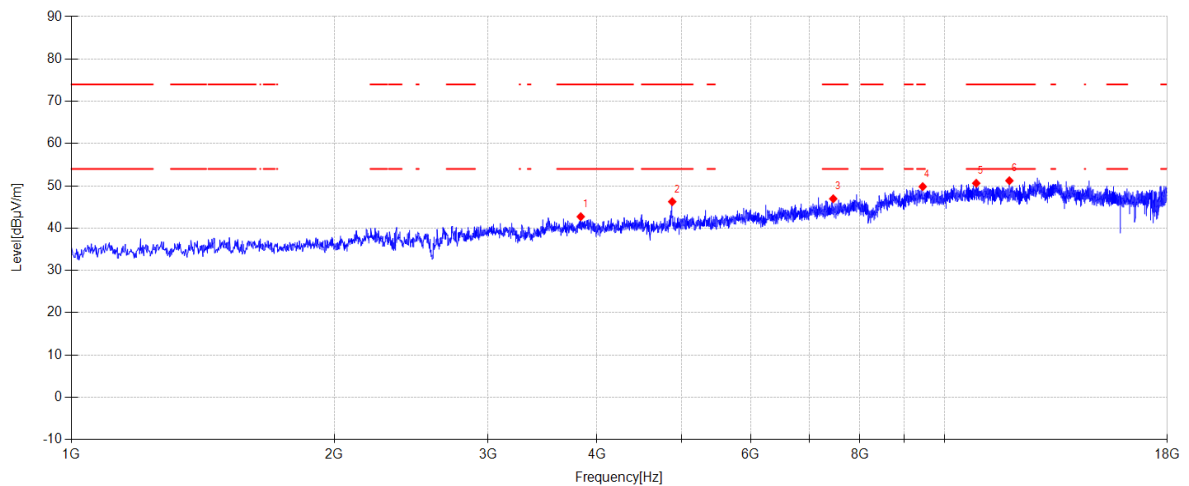
1. Level = Reading + Cable loss + Antenna Factor + AMP

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: 2025-07-22 **Tested By:** Lin Guoyuan
EUT: Wireless Access Point **Model Number:** L2530
Test Mode: MIMO TX 11AX20 2437MHz Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:22.8°C;Humi:57.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25070107-1E\FCC Above 1G 2.4G\33
Memo: Sample Numbler:S25070107-004 Power Setting:17



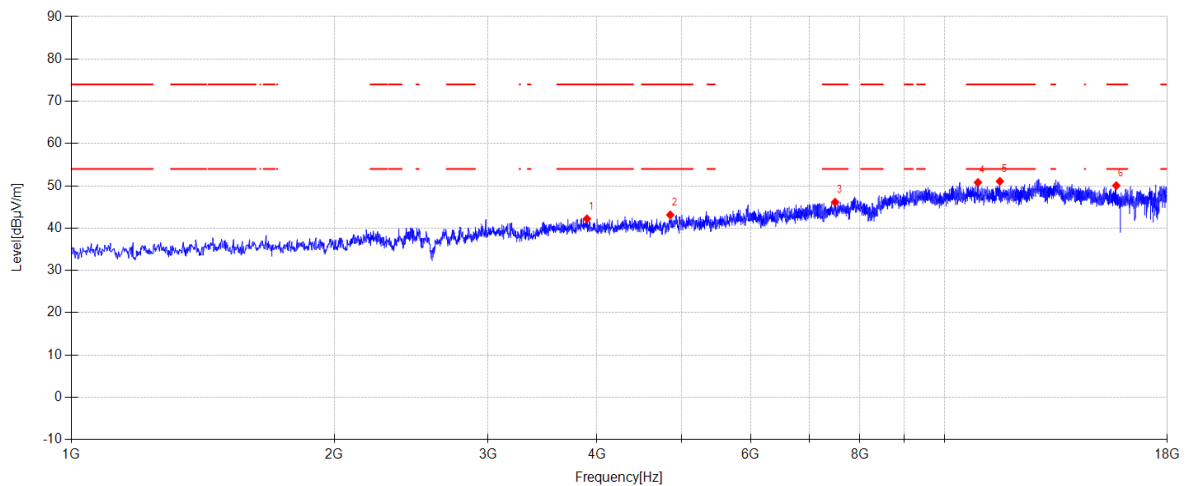
Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3832.200	46.45	30.83	5.08	-39.64	42.72	74.00	31.28	PK	Vertical
2	4877.700	46.93	33.36	5.58	-39.61	46.26	74.00	27.74	PK	Vertical
3	7458.300	44.28	36.58	6.68	-40.59	46.95	74.00	27.05	PK	Vertical
4	9442.200	42.82	38.70	7.45	-39.15	49.82	74.00	24.18	PK	Vertical
5	10873.600	42.30	39.33	8.07	-39.08	50.62	74.00	23.38	PK	Vertical
6	11868.100	43.51	38.90	8.68	-39.87	51.22	74.00	22.78	PK	Vertical

Note:

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

TR-4-E-009 Radiated Emission Test Result

Test Date: 2025-07-22 **Tested By:** Lin Guoyuan
EUT: Wireless Access Point **Model Number:** L2530
Test Mode: MIMO TX 11AX20 2462MHz Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:22.8°C;Humi:57.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25070107-1E\FCC Above 1G 2.4G\34
Memo: Sample Numbler:S25070107-004 Power Setting:17

**Suspected Data List**

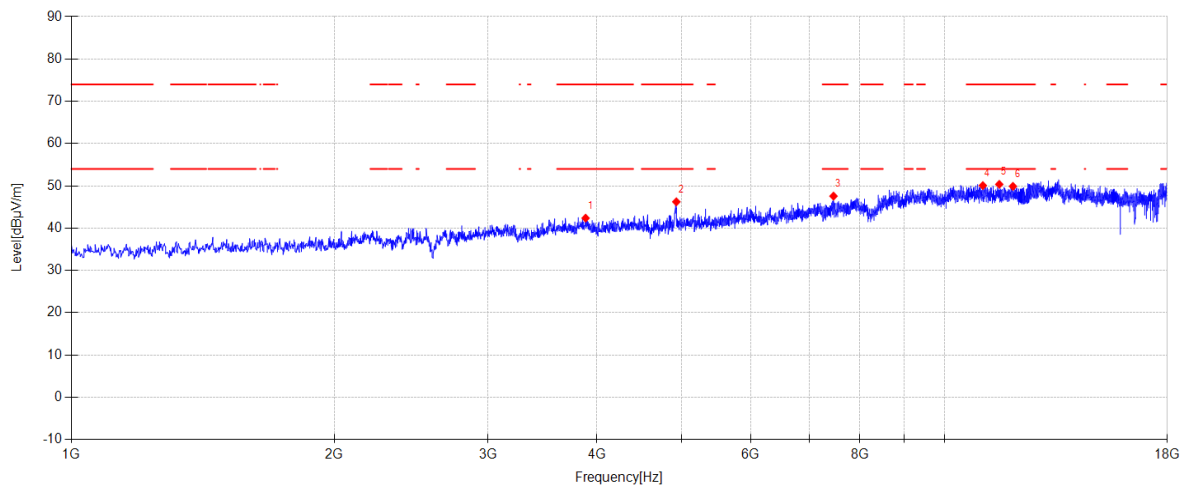
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3895.100	45.63	31.17	5.07	-39.65	42.22	74.00	31.78	PK	Horizontal
2	4852.200	43.43	33.76	5.56	-39.61	43.14	74.00	30.86	PK	Horizontal
3	7494.000	43.50	36.51	6.70	-40.56	46.15	74.00	27.85	PK	Horizontal
4	10922.900	42.47	39.30	8.09	-39.05	50.81	74.00	23.19	PK	Horizontal
5	11574.000	43.10	39.05	8.49	-39.57	51.07	74.00	22.93	PK	Horizontal
6	15733.900	41.06	38.43	9.97	-39.40	50.06	74.00	23.94	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: 2025-07-22 **Tested By:** Lin Guoyuan
EUT: Wireless Access Point **Model Number:** L2530
Test Mode: MIMO TX 11AX20 2462MHz Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:22.8°C;Humi:57.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25070107-1E\FCC Above 1G 2.4G\35
Memo: Sample Numbler:S25070107-004 Power Setting:17

**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	3881.500	45.86	31.09	5.07	-39.65	42.37	74.00	31.63	PK	Vertical
2	4930.400	47.17	33.06	5.61	-39.61	46.23	74.00	27.77	PK	Vertical
3	7463.400	44.90	36.57	6.69	-40.58	47.58	74.00	26.42	PK	Vertical
4	11065.700	41.67	39.30	8.17	-39.07	50.07	74.00	23.93	PK	Vertical
5	11555.300	42.35	39.09	8.48	-39.56	50.36	74.00	23.64	PK	Vertical
6	11980.300	41.98	39.14	8.75	-39.98	49.89	74.00	24.11	PK	Vertical

Note:

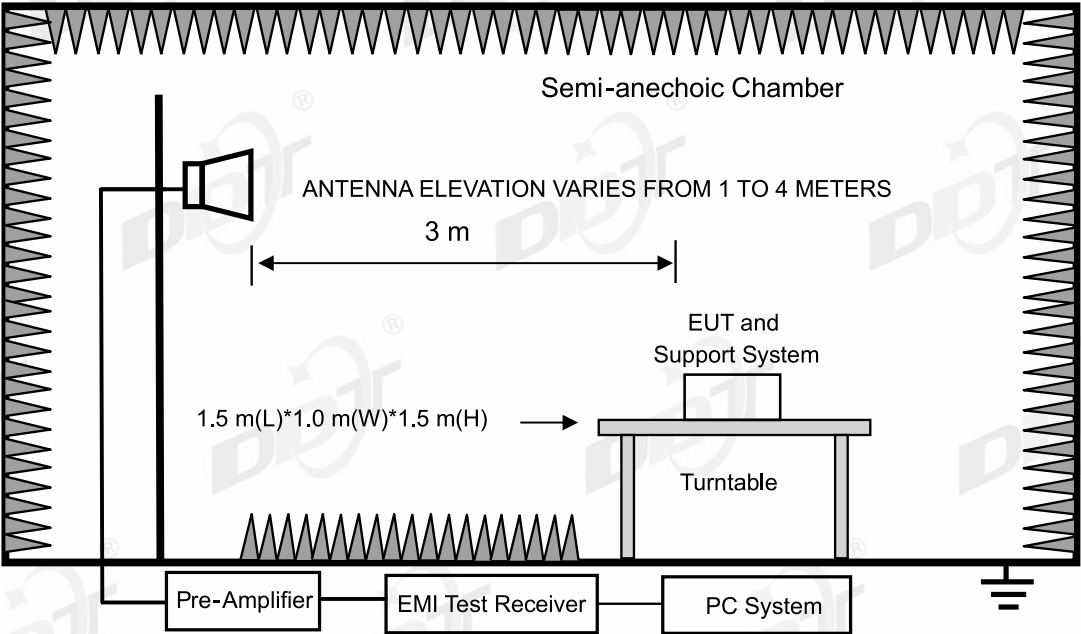
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

13. Band Edge Compliance

13.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To	Cal. Interval
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/	/
RF Cable	N/A	W24.02 HL-562	DDT-ZC04022	2026/03/28	1 Year
RF cable	Yuhu Technology	JCTB810-NJ-NJ-9M	DDT-ZC02538	2026/03/28	1 Year
RF cable	Zhongke Junchuang	JCT26S-NJ-NJ-1.5M	DDT-ZC02762	2026/03/28	1 Year
RF cable	Yuhu Technology	ZT26S-SMAJ-SMAJ-1M	DDT-ZC02037	2026/03/28	1 Year
RF Cable	N/A	W13.02 AP1-X2	DDT-ZC04023	2026/03/28	1 Year
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2026/03/28	1 Year
Pre-amplifier	COM-POWER	PAM-118A	DDT-ZC01293	2026/03/28	1 Year
High pass filter	Micro-Tronics	HPM50102	DDT-ZC00561	2026/03/28	1 Year
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2026/03/28	1 Year
High pass filter	Micro-Tronics	HPM50108	DDT-ZC00560	2026/03/28	1 Year
High Pass filter	Xi'an Xingbo	XBLBQ-GTA67	DDT-ZC02179	2026/03/28	1 Year
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/	/
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2026/04/01	1 Year
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	DDT-ZC02049	2026/07/11	1 Year
Hochgewinn-Horn Antenna	SCHWARZBECK	BBHA 9120 D	DDT-ZC02129	2025/09/18	1 Year
Active Loop Antenna	Schwarzbeck	FMZB1519	DDT-ZC00524	2025/09/11	1 Year
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2026/03/28	1 Year

13.2. Block diagram of test setup



13.3. Limits

All restriction band should comply with 15.209 and RSS-Gen section 8.9 limits, other emission should be at least 20 dB below the fundamental.

13.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	other
Dell laptops	Dell Technologies Inc.	I7-1255U MX550	/

13.5. Test procedure

Same with Radiated Emission except change investigated frequency range.
Remark: All restriction band have been tested, and only the worst case is shown in report.

13.6. Test result

PASS. (See below detailed test result)

Note: Based on the pre-test, the results in the horizontal direction were the poorest. Therefore, this report only records the data in the horizontal direction.

13.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-07-22

Tested By:

Lin Guoyuan

EUT:

Wireless Access Point

Model Number:

L2530

Test Mode:

TX 11B-CDD 2462MHz Mode

Power Supply:

AC 120V/60Hz

Condition:

Temp:22.8°C;Humi:57.5%

Test Site:

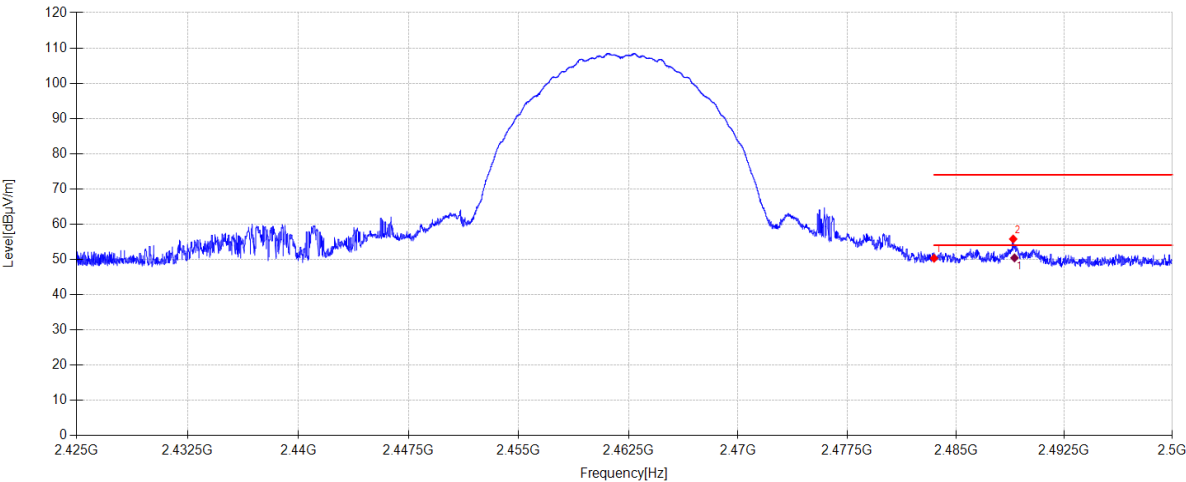
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25070107-1E\FCC Above 1G 2.4G\14

Memo:

Sample Numbre:S25070107-004 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	2483.500	19.17	27.53	3.62	0.00	50.32	74.00	23.68	PK	Horizontal
2	2488.968	24.60	27.56	3.62	0.00	55.78	74.00	18.22	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	2488.968	19.25	27.56	3.62	50.43	54.00	3.57	AV	Horizontal	

Note:

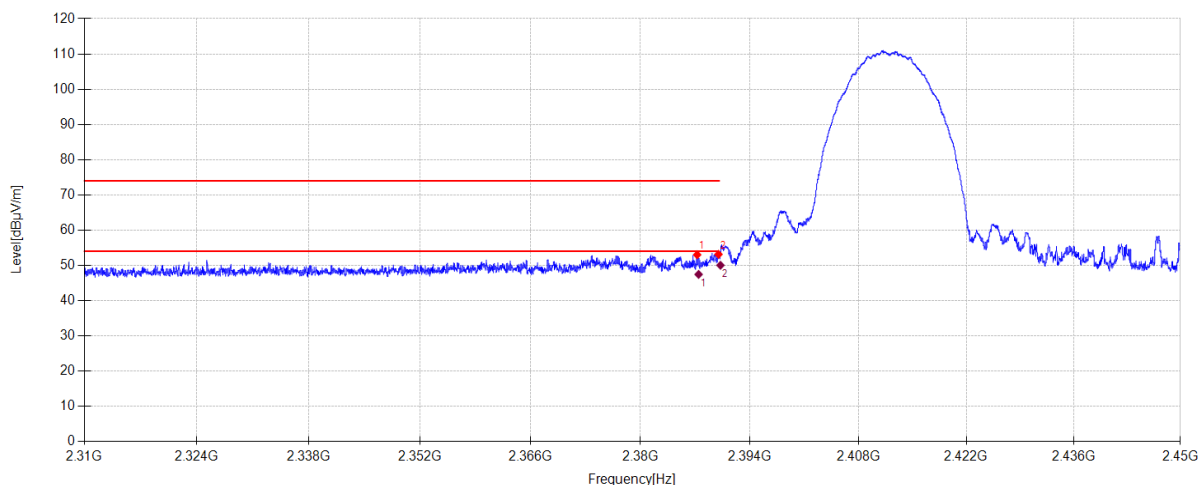
1. Level = Reading + Cable loss + Antenna Factor + AMP

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: 2025-07-22 **Tested By:** Lin Guoyuan
EUT: Wireless Access Point **Model Number:** L2530
Test Mode: TX 11B-CDD 2412MHz Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:22.8°C;Humi:57.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25070107-1E\FCC Above 1G 2.4G\15
Memo: Sample Numbler:S25070107-004 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	2387.266	22.19	27.25	3.57	0.00	53.01	74.00	20.99	PK	Horizontal
2	2390.000	22.31	27.26	3.57	0.00	53.14	74.00	20.86	PK	Horizontal

Final Data List

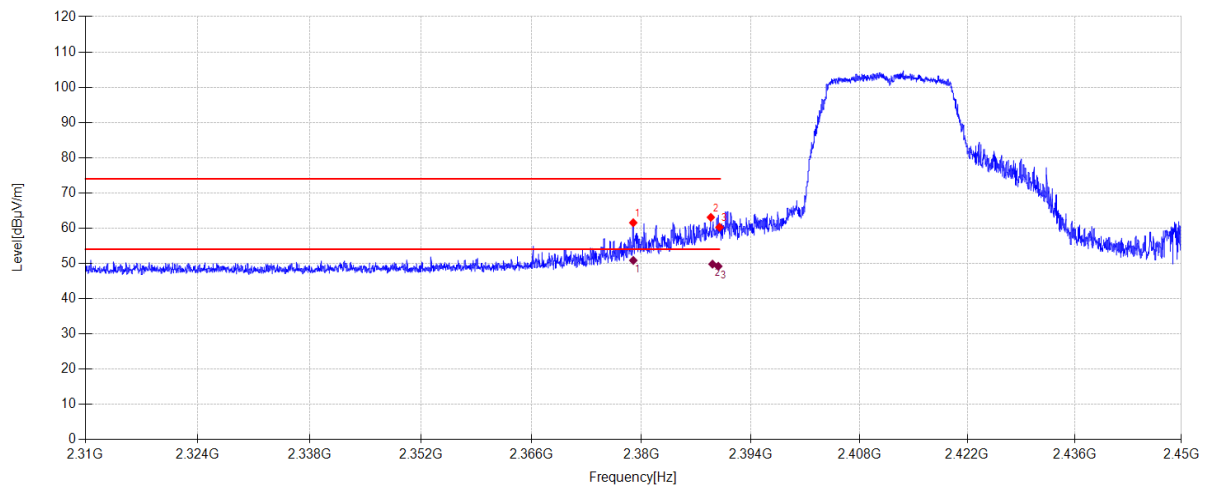
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2387.266	16.63	27.25	3.57	47.45	54.00	6.55	AV	Horizontal
2	2390.000	19.20	27.26	3.57	50.03	54.00	3.97	AV	Horizontal

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: 2025-07-22 **Tested By:** Lin Guoyuan
EUT: Wireless Access Point **Model Number:** L2530
Test Mode: TX 11G-CDD 2412MHz Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:22.8°C;Humi:57.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25070107-1E\FCC Above 1G 2.4G\19
Memo: Sample Numbler:S25070107-004 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	2378.964	30.76	27.22	3.56	0.00	61.54	74.00	12.46	PK	Horizontal
2	2388.890	32.25	27.26	3.57	0.00	63.08	74.00	10.92	PK	Horizontal
3	2390.000	29.44	27.26	3.57	0.00	60.27	74.00	13.73	PK	Horizontal

Final Data List

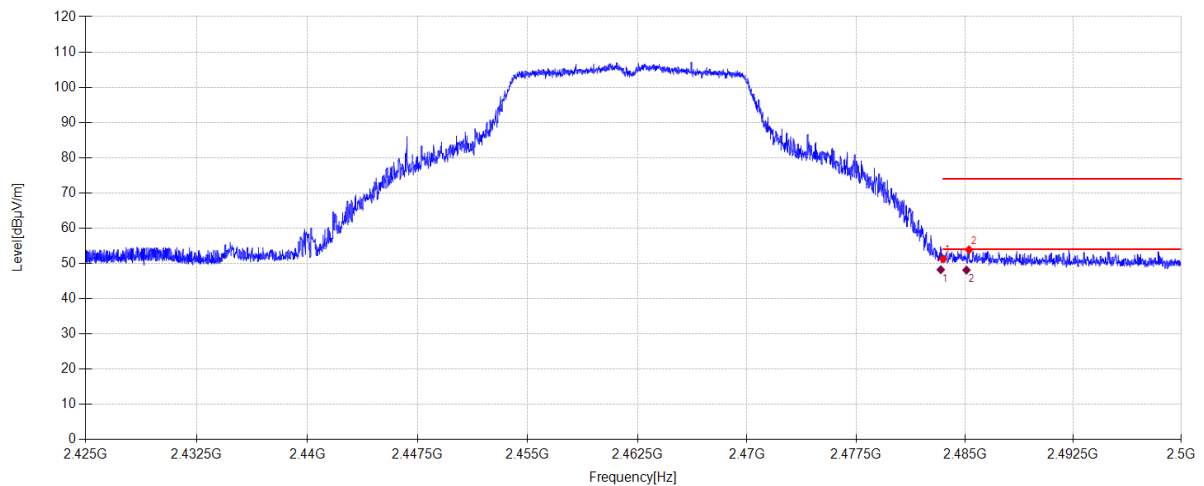
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2378.964	20.06	27.22	3.56	50.84	54.00	3.16	AV	Horizontal
2	2388.890	18.96	27.26	3.57	49.79	54.00	4.21	AV	Horizontal
3	2390.000	18.35	27.26	3.57	49.18	54.00	4.82	AV	Horizontal

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: 2025-07-22 **Tested By:** Lin Guoyuan
EUT: Wireless Access Point **Model Number:** L2530
Test Mode: TX 11G-CDD 2462MHz Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:22.8°C;Humi:57.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25070107-1E\FCC Above 1G 2.4G\21
Memo: Sample Numbler:S25070107-004 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	2483.500	20.14	27.53	3.62	0.00	51.29	74.00	22.71	PK	Horizontal
2	2485.293	22.71	27.54	3.62	0.00	53.87	74.00	20.13	PK	Horizontal

Final Data List

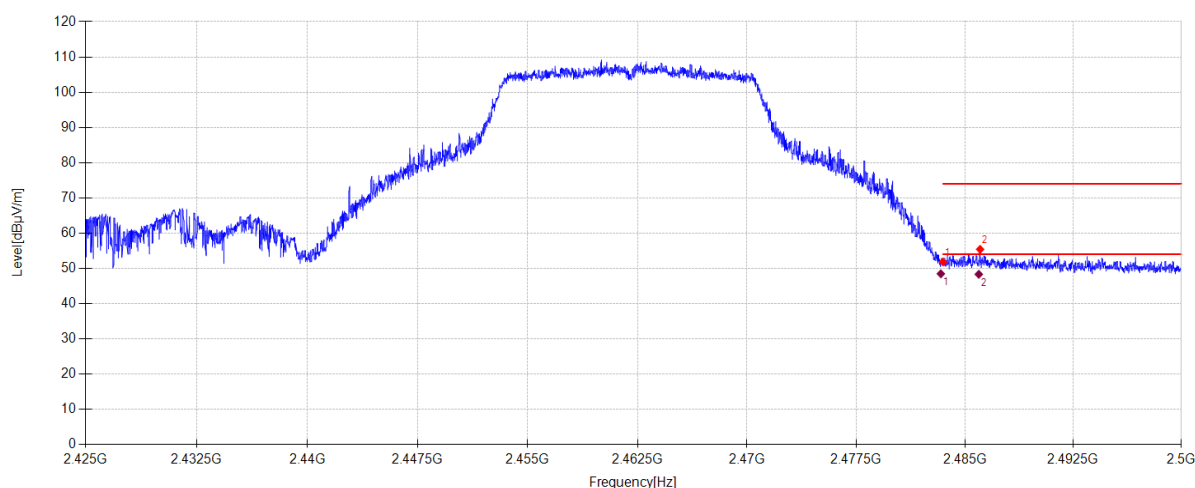
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	17.06	27.53	3.62	48.21	54.00	5.79	AV	Horizontal
2	2485.293	16.94	27.54	3.62	48.10	54.00	5.90	AV	Horizontal

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: 2025-07-22 **Tested By:** Lin Guoyuan
EUT: Wireless Access Point **Model Number:** L2530
Test Mode: MIMO TX 11N20 2462MHz Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:22.8°C;Humi:57.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25070107-1E\FCC Above 1G 2.4G\22
Memo: Sample Numbler:S25070107-004 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	2483.500	20.69	27.53	3.62	0.00	51.84	74.00	22.16	PK	Horizontal
2	2486.058	24.25	27.54	3.62	0.00	55.41	74.00	18.59	PK	Horizontal

Final Data List

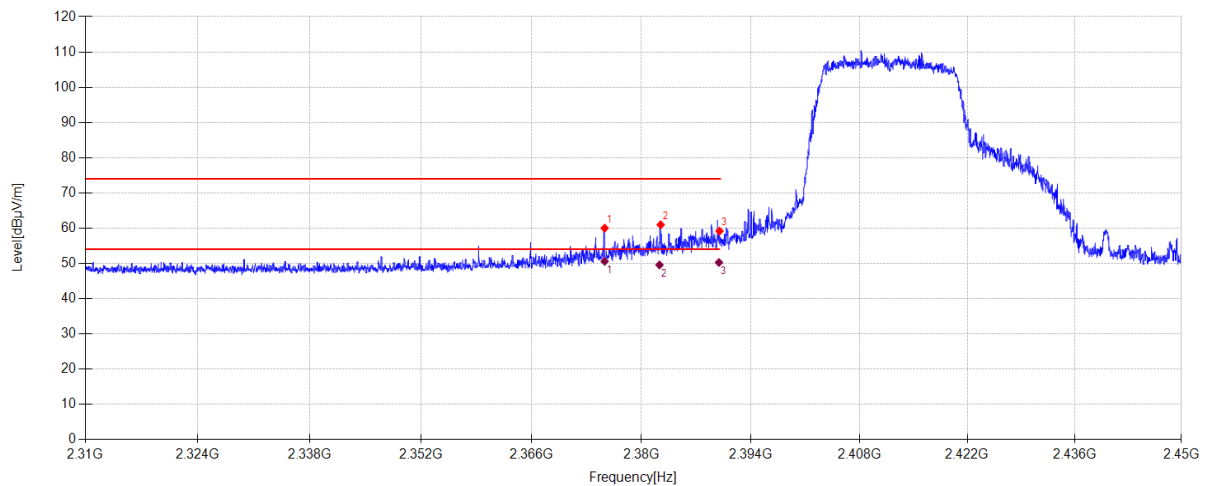
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	17.32	27.53	3.62	48.47	54.00	5.53	AV	Horizontal
2	2486.058	17.17	27.54	3.62	48.33	54.00	5.67	AV	Horizontal

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: 2025-07-22 **Tested By:** Lin Guoyuan
EUT: Wireless Access Point **Model Number:** L2530
Test Mode: MIMO TX 11N20 2412MHz Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:22.8°C;Humi:57.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25070107-1E\FCC Above 1G 2.4G\23
Memo: Sample Numbler:S25070107-004 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	2375.310	29.25	27.20	3.56	0.00	60.01	74.00	13.99	PK	Horizontal
2	2382.464	30.18	27.23	3.56	0.00	60.97	74.00	13.03	PK	Horizontal
3	2390.000	28.33	27.26	3.57	0.00	59.16	74.00	14.84	PK	Horizontal

Final Data List

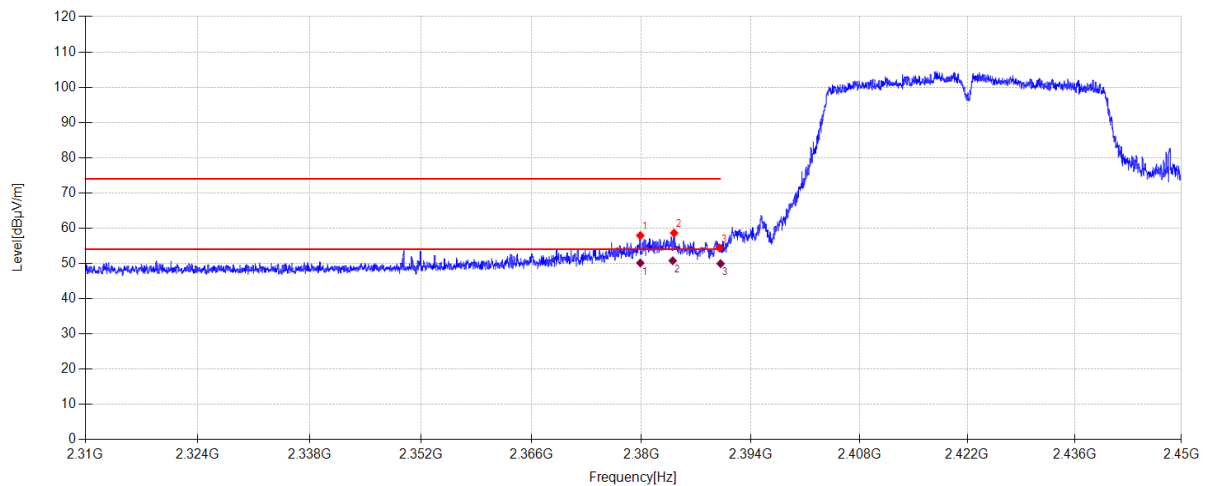
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2375.310	19.83	27.20	3.56	50.59	54.00	3.41	AV	Horizontal
2	2382.464	18.77	27.23	3.56	49.56	54.00	4.44	AV	Horizontal
3	2390.000	19.43	27.26	3.57	50.26	54.00	3.74	AV	Horizontal

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: 2025-07-22 **Tested By:** Lin Guoyuan
EUT: Wireless Access Point **Model Number:** L2530
Test Mode: MIMO TX 11N40 2422MHz Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:22.8°C;Humi:57.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25070107-1E\FCC Above 1G 2.4G\24
Memo: Sample Numbler:S25070107-004 Power Setting:17



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	2379.860	27.13	27.22	3.56	0.00	57.91	74.00	16.09	PK	Horizontal
2	2384.172	27.81	27.24	3.57	0.00	58.62	74.00	15.38	PK	Horizontal
3	2390.000	23.56	27.26	3.57	0.00	54.39	74.00	19.61	PK	Horizontal

Final Data List

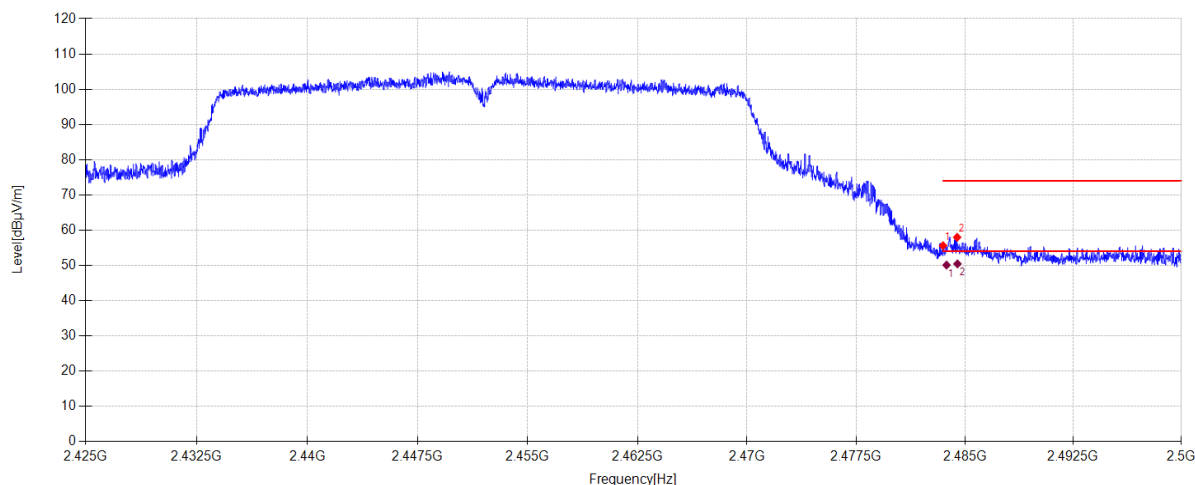
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2379.860	19.34	27.22	3.56	50.12	54.00	3.88	AV	Horizontal
2	2384.172	19.94	27.24	3.57	50.75	54.00	3.25	AV	Horizontal
3	2390.000	19.11	27.26	3.57	49.94	54.00	4.06	AV	Horizontal

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: 2025-07-22 **Tested By:** Lin Guoyuan
EUT: Wireless Access Point **Model Number:** L2530
Test Mode: MIMO TX 11N40 2452MHz Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:22.8°C;Humi:57.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25070107-1E\FCC Above 1G 2.4G\25
Memo: Sample Numbler:S25070107-004 Power Setting:17



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	2483.500	24.45	27.53	3.62	0.00	55.60	74.00	18.40	PK	Horizontal
2	2484.475	26.82	27.54	3.62	0.00	57.98	74.00	16.02	PK	Horizontal

Final Data List

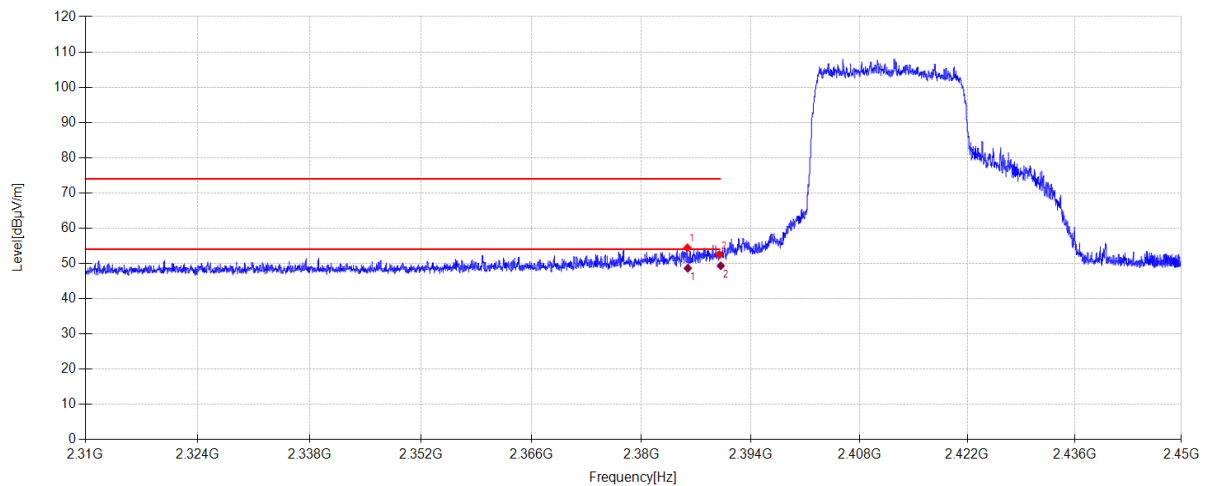
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2483.500	18.95	27.53	3.62	50.10	54.00	3.90	AV	Horizontal
2	2484.475	19.27	27.54	3.62	50.43	54.00	3.57	AV	Horizontal

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: 2025-07-22 **Tested By:** Lin Guoyuan
EUT: Wireless Access Point **Model Number:** L2530
Test Mode: MIMO TX 11AX20 2412MHz Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:22.8°C;Humi:57.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25070107-1E\FCC Above 1G 2.4G\26
Memo: Sample Numbler:S25070107-004 Power Setting:17



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	2385.880	23.62	27.24	3.57	0.00	54.43	74.00	19.57	PK	Horizontal
2	2390.000	21.62	27.26	3.57	0.00	52.45	74.00	21.55	PK	Horizontal

Final Data List

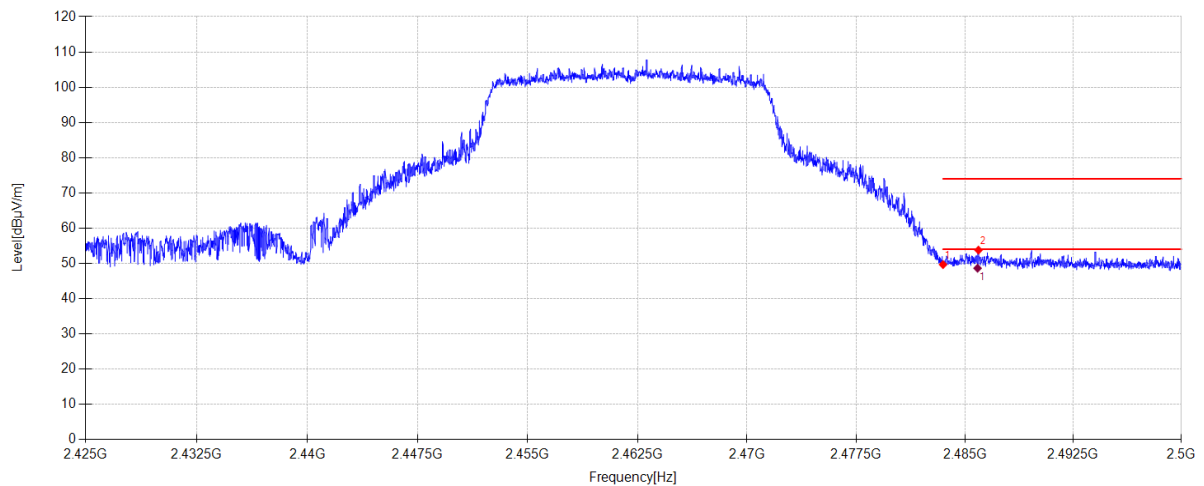
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2385.880	17.81	27.24	3.57	48.62	54.00	5.38	AV	Horizontal
2	2390.000	18.49	27.26	3.57	49.32	54.00	4.68	AV	Horizontal

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: 2025-07-22 **Tested By:** Lin Guoyuan
EUT: Wireless Access Point **Model Number:** L2530
Test Mode: MIMO TX 11AX20 2462MHz Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:22.8°C;Humi:57.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25070107-1E\FCC Above 1G 2.4G\27
Memo: Sample Numbler:S25070107-004 Power Setting:17



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	2483.500	18.52	27.53	3.62	0.00	49.67	74.00	24.33	PK	Horizontal
2	2485.945	22.61	27.54	3.62	0.00	53.77	74.00	20.23	PK	Horizontal

Final Data List

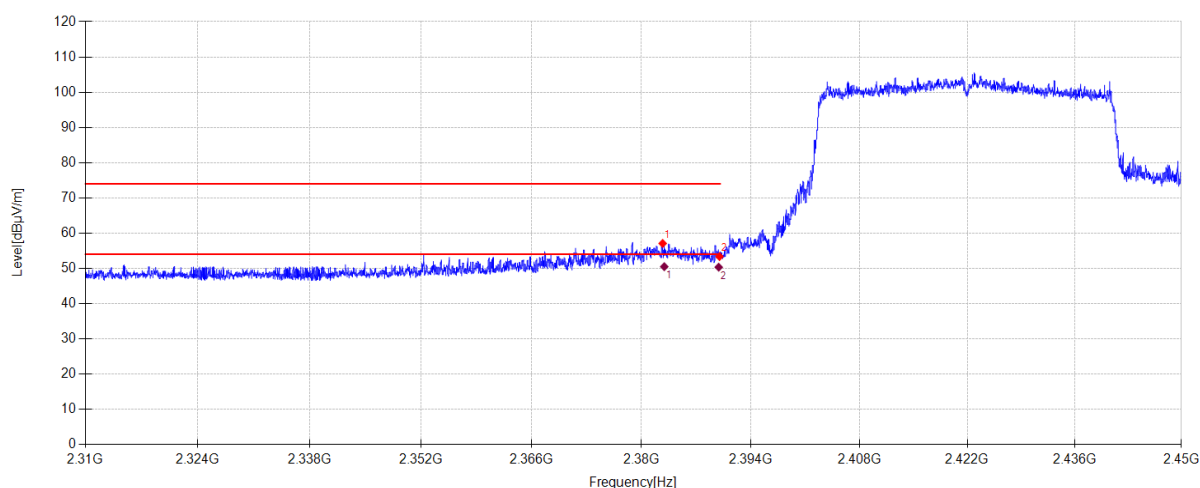
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2485.945	17.47	27.54	3.62	48.63	54.00	5.37	AV	Horizontal

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: 2025-07-22 **Tested By:** Lin Guoyuan
EUT: Wireless Access Point **Model Number:** L2530
Test Mode: MIMO TX 11AX40 2422MHz Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:22.8°C;Humi:57.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25070107-1E\FCC Above 1G 2.4G\28
Memo: Sample Numbler:S25070107-004 Power Setting:17



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	2382.716	26.29	27.23	3.56	0.00	57.08	74.00	16.92	PK	Horizontal
2	2390.000	22.53	27.26	3.57	0.00	53.36	74.00	20.64	PK	Horizontal

Final Data List

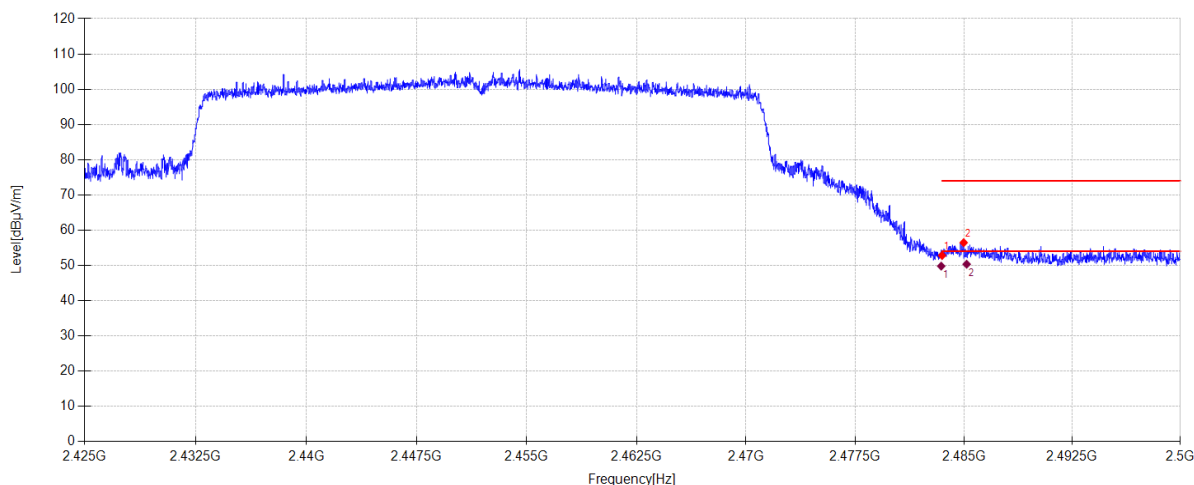
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	2382.716	19.70	27.23	3.56	50.49	54.00	3.51	AV	Horizontal
2	2390.000	19.52	27.26	3.57	50.35	54.00	3.65	AV	Horizontal

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: 2025-07-22 **Tested By:** Lin Guoyuan
EUT: Wireless Access Point **Model Number:** L2530
Test Mode: MIMO TX 11AX40 2452MHz Mode **Power Supply:** AC 120V/60Hz
Condition: Temp:22.8°C;Humi:57.5% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25070107-1E\FCC Above 1G 2.4G\29
Memo: Sample Numbler:S25070107-004 Power Setting:17



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	2483.500	21.66	27.53	3.62	0.00	52.81	74.00	21.19	PK	Horizontal
2	2484.993	25.29	27.54	3.62	0.00	56.45	74.00	17.55	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	2483.500	18.64	27.53	3.62	49.79	54.00	4.21	AV	Horizontal
2	2484.993	19.18	27.54	3.62	50.34	54.00	3.66	AV	Horizontal

Note:

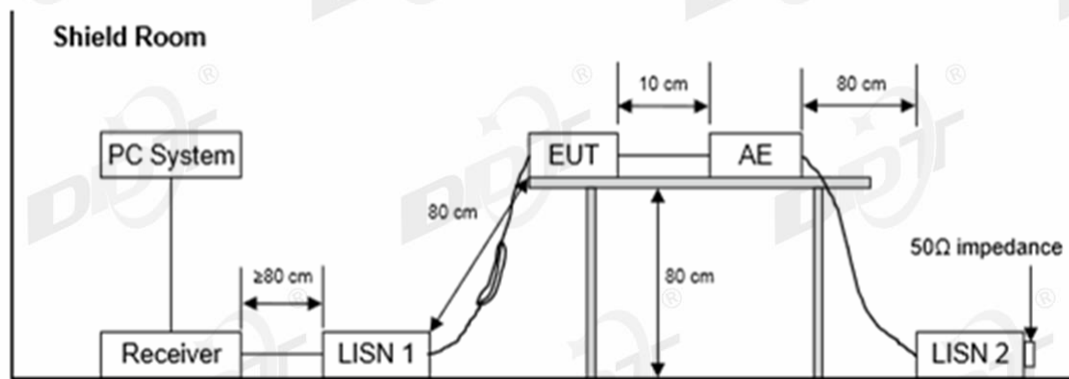
1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

14. Power Line Conducted Emissions

14.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To	Cal. Interval
EMI Test Receiver	R&S	ESCI 3	DDT-ZC01972	2026/03/28	1 Year
Two Line V-Network	R&S	ENV216	DDT-ZC00586	2026/07/06	1 Year
Pulse Limiter	R&S	KH43101	DDT-ZC00747	2026/03/28	1 Year
Coaxial signal signal cable	H&S	RG214-5	DDT-ZC01817	2026/03/28	1 Year
Conducted Radiated Software	Audix	E3	DDT-ZC00562	/	/
Two Line V-Network	R&S	ENV216	DDT-ZC02058	2026/07/06	1 Year

14.2. Block diagram of test setup



14.3. Limits

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

Note 1: * Decreasing linearly with logarithm of frequency.

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

14.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	other
Dell laptops	Dell Technologies Inc.	I7-1255U MX550	/

14.5. Test procedure

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

All support equipment power received from a second LISN.

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

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

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

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

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

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

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

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

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

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

The bandwidth of test receiver is set at 9 kHz.

14.6. Test result

PASS. (See below detailed test result)

Note1: All emissions not reported below are too low against the prescribed limits.

Note2: “----” means Peak detection; “-----” means Average detection.

Note3: Pre-test AC conducted emission at both voltage AC 120V/60Hz and AC 240V/50Hz, recorded the worst case.

14.7. Test data

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 5# Shield Room

D:\2025 report data\Q25070107-1E\EM6.EM6

Test Date : 2025-07-15

Tested By : Nan Zhong

EUT : Wireless Access Point

Model Number : L2530

Power Supply : AC 120V/60Hz

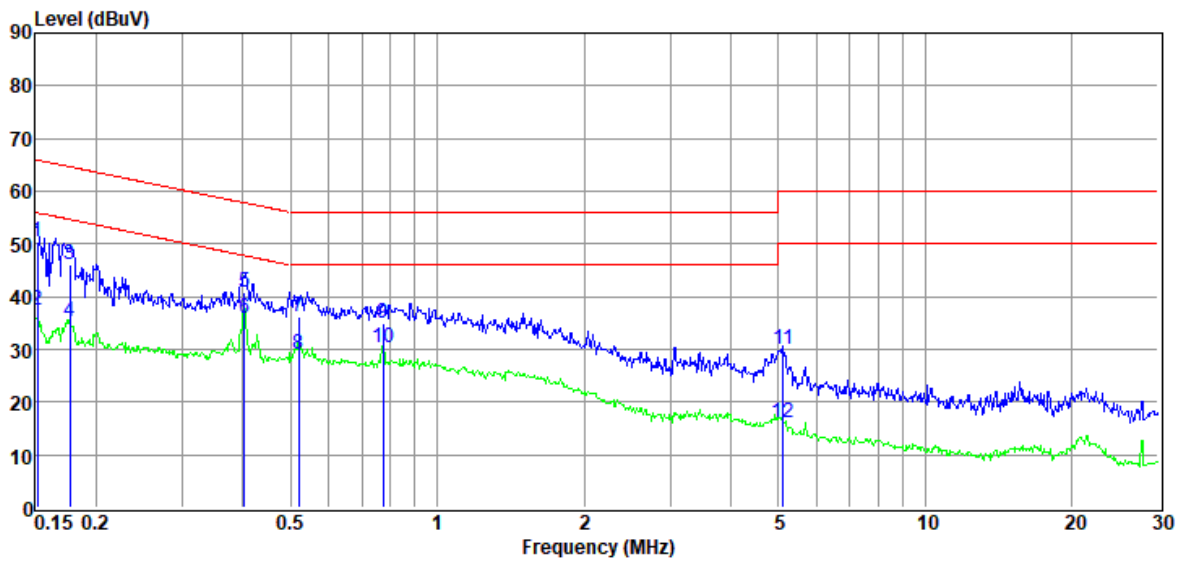
Test Mode : TX 11ax20 2412 Mode

Condition : Temp:23.2°C,Humi:56.7%

LISN : 2023 ENV216 2#/LINE

Memo : S25070107-003

Data: 2



Item (Mark)	Freq. (MHz)	Read Level (dBuV)	LISN Factor (dB)	Cable Loss (dB)	Pulse Limiter Factor (dB)	Result Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Detector	Phase
1	0.15	30.33	9.92	0.09	10.06	50.40	65.91	-15.51	QP	LINE
2	0.15	17.30	9.92	0.09	10.06	37.37	55.91	-18.54	Average	LINE
3	0.18	26.09	9.96	0.09	10.06	46.20	64.64	-18.44	QP	LINE
4	0.18	15.11	9.96	0.09	10.06	35.22	54.64	-19.42	Average	LINE
5	0.40	20.63	10.01	0.10	10.07	40.81	57.81	-17.00	QP	LINE
6	0.40	15.78	10.01	0.10	10.07	35.96	47.81	-11.85	Average	LINE
7	0.52	16.01	9.98	0.10	10.07	36.16	56.00	-19.84	QP	LINE
8	0.52	8.99	9.98	0.10	10.07	29.14	46.00	-16.86	Average	LINE
9	0.78	14.79	9.97	0.10	10.06	34.92	56.00	-21.08	QP	LINE
10	0.78	10.17	9.97	0.10	10.06	30.30	46.00	-15.70	Average	LINE
11	5.11	9.71	9.89	0.20	10.06	29.86	60.00	-30.14	QP	LINE
12	5.11	-4.13	9.89	0.20	10.06	16.02	50.00	-33.98	Average	LINE

Note: 1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.

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

3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).

4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 5# Shield Room

D:\2025 report data\Q25070107-1E\EM6.EM6

Test Date : 2025-07-15

Tested By : Nan Zhong

EUT : Wireless Access Point

Model Number : L2530

Power Supply : AC 120V/60Hz

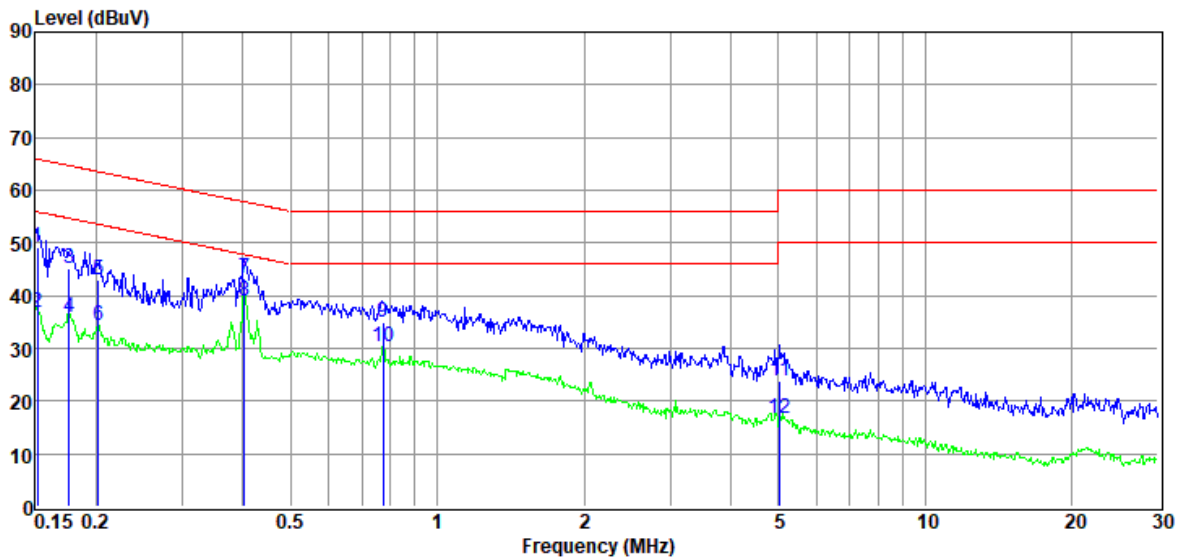
Test Mode : TX 11ax20 2412 Mode

Condition : Temp:23.2°C,Humi:56.7%

LISN : 2023 ENV216 2#/NEUTRAL

Memo : S25070107-003

Data: 4



Item	Freq.	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Over Limit	Detector	Phase
(Mark)	(MHz)	(dBμV)	(dB)	(dB)	(dB)	(dBμV)	(dBμV)	(dB)		
1	0.15	29.14	9.92	0.09	10.06	49.21	65.91	-16.70	QP	NEUTRAL
2	0.15	16.89	9.92	0.09	10.06	36.96	55.91	-18.95	Average	NEUTRAL
3	0.18	24.99	9.96	0.09	10.06	45.10	64.68	-19.58	QP	NEUTRAL
4	0.18	15.87	9.96	0.09	10.06	35.98	54.68	-18.70	Average	NEUTRAL
5	0.20	22.85	9.92	0.09	10.06	42.92	63.54	-20.62	QP	NEUTRAL
6	0.20	14.36	9.92	0.09	10.06	34.43	53.54	-19.11	Average	NEUTRAL
7	0.40	23.12	10.03	0.10	10.07	43.32	57.81	-14.49	QP	NEUTRAL
8	0.40	18.81	10.03	0.10	10.07	39.01	47.81	-8.80	Average	NEUTRAL
9	0.78	14.82	9.97	0.10	10.06	34.95	56.00	-21.05	QP	NEUTRAL
10	0.78	10.11	9.97	0.10	10.06	30.24	46.00	-15.76	Average	NEUTRAL
11	5.03	3.66	9.97	0.19	10.06	23.88	60.00	-36.12	QP	NEUTRAL
12	5.03	-3.52	9.97	0.19	10.06	16.70	50.00	-33.30	Average	NEUTRAL

Note: 1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.

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

3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).

4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

16. Photos of the EUT

Please refer to appendix I

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