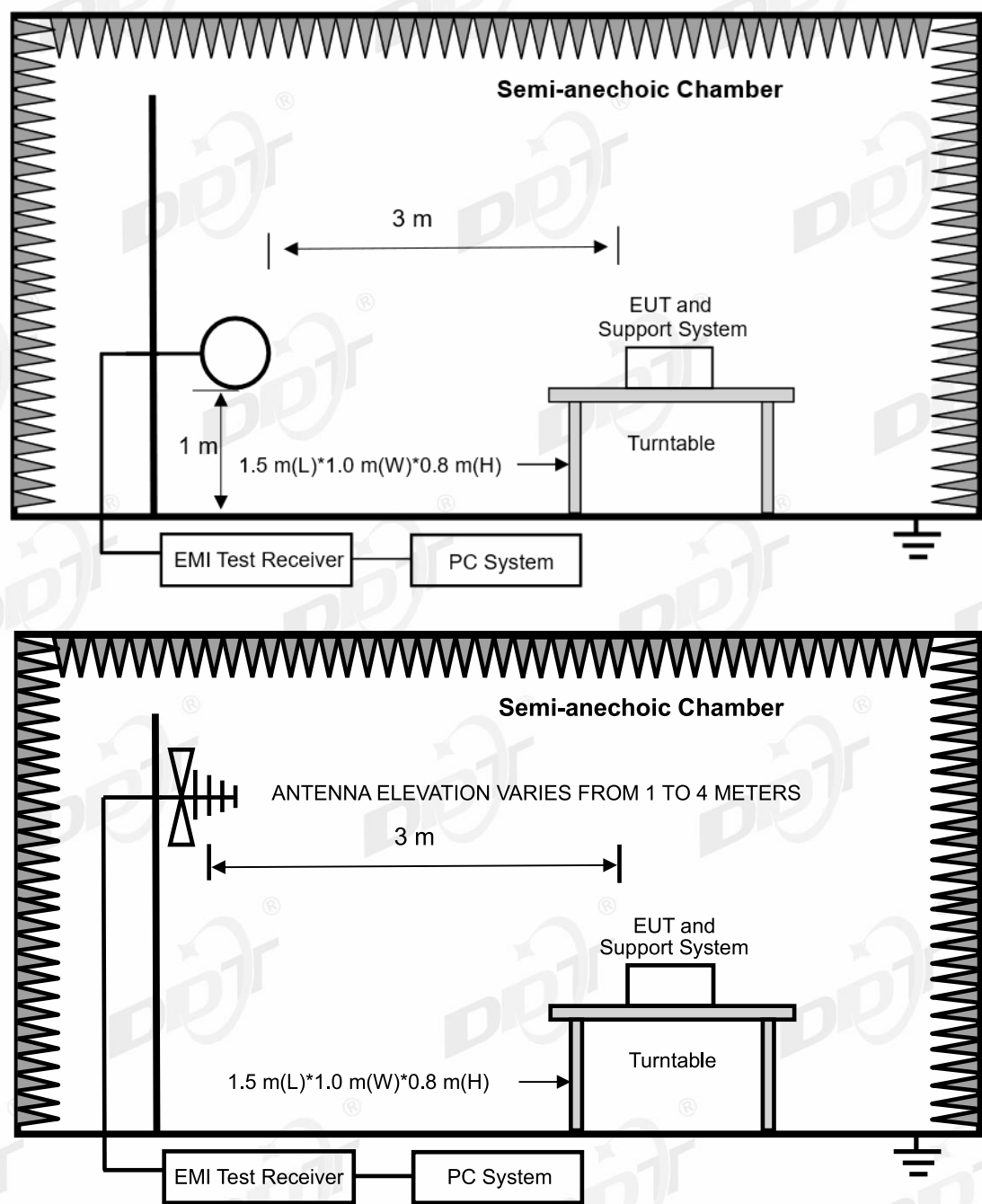
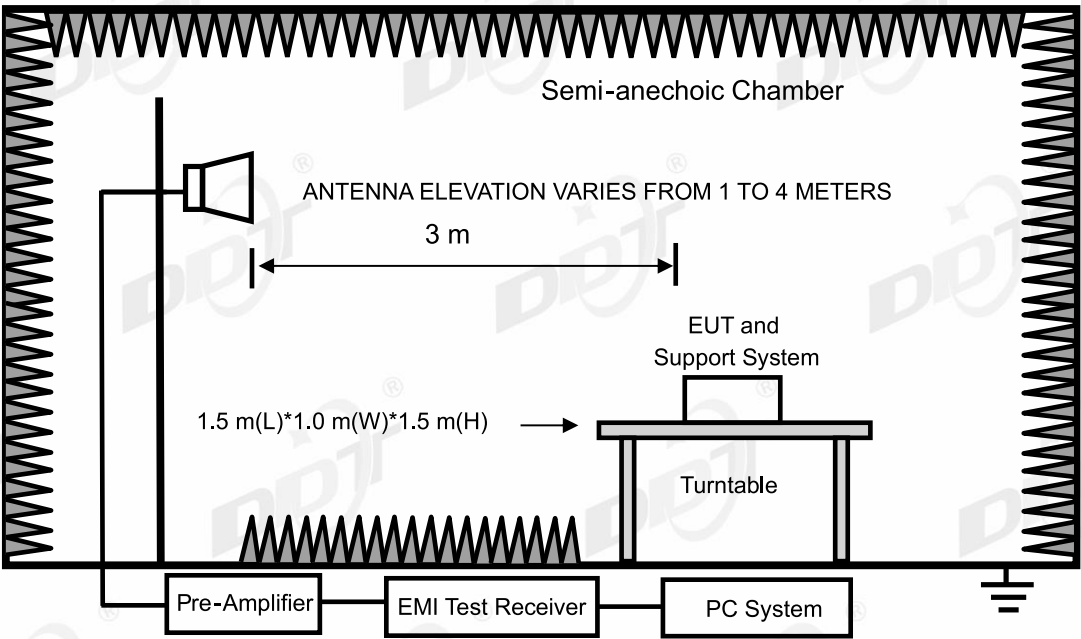


12.2. Block diagram of test setup





12.3. Limits

(1) FCC 15.205 Restricted frequency band

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.1772&4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.2072&4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	²
13.36-13.41			

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

2Above 38.6

(2) FCC 15.209 Limit

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

Note:

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

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

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

(3) Limit for this EUT

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

12.4. Assistant equipment used for test

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

12.5. Test procedure

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

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

Test frequency range	Test antenna used	Test antenna distance
9 kHz - 30 MHz	Active Loop antenna	3 m
30 MHz - 1 GHz	Trilog Broadband Antenna	3 m
1 GHz - 18 GHz	Double Ridged Horn Antenna(1 GHz-18 GHz)	3 m
18 GHz - 40 GHz	Horn Antenna(18 GHz-40 GHz)	1 m

According ANSI C63.10:2013 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 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 C63.10:2013 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.

(9) 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.

(10) 30 MHz ~ 25 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) The worst simultaneous case and was recorded.

12.6. Test result

PASS. (See below detailed test result)

12.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:2024-11-29

Tested By:Guoyuan Lin

EUT:Reli Light Cam Battery D2

Model Number:FJ35HWXJ

Test Mode:11B TX

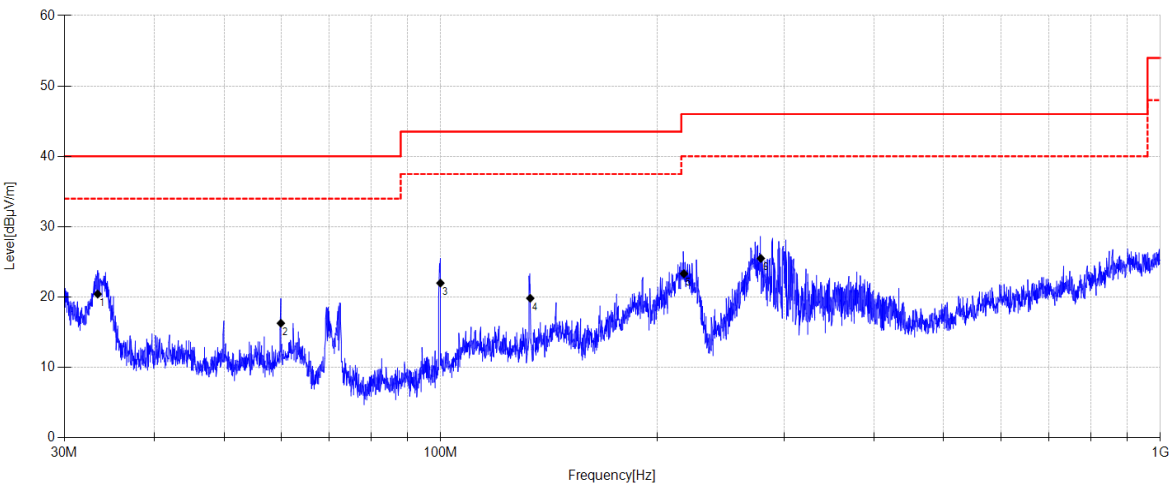
Power Supply:Battery

Condition:Temp:24.8°C;Humi:47.2%

Test Site:DDT 3# Chamber

File Path:d:\ts\2024 report data\Q24081811-1E\FCC Below 1G\20241129-044515_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	33.374	36.61	11.14	3.78	20.43	40.00	19.57	QP	Horizontal
2	59.977	30.63	12.79	3.96	16.28	40.00	23.72	QP	Horizontal
3	99.924	37.32	11.55	4.22	21.99	43.50	21.51	QP	Horizontal
4	133.205	37.9	8.66	4.40	19.83	43.50	23.67	QP	Horizontal
5	217.763	38.85	10.87	4.84	23.32	46.00	22.68	QP	Horizontal
6	278.528	39.3	12.43	5.12	25.49	46.00	20.51	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:

2024-11-29

Tested By:

Guoyuan Lin

EUT:

Reli Light Cam Battery D2

Model Number:

FJ35HWXJ

Test Mode:

11B TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

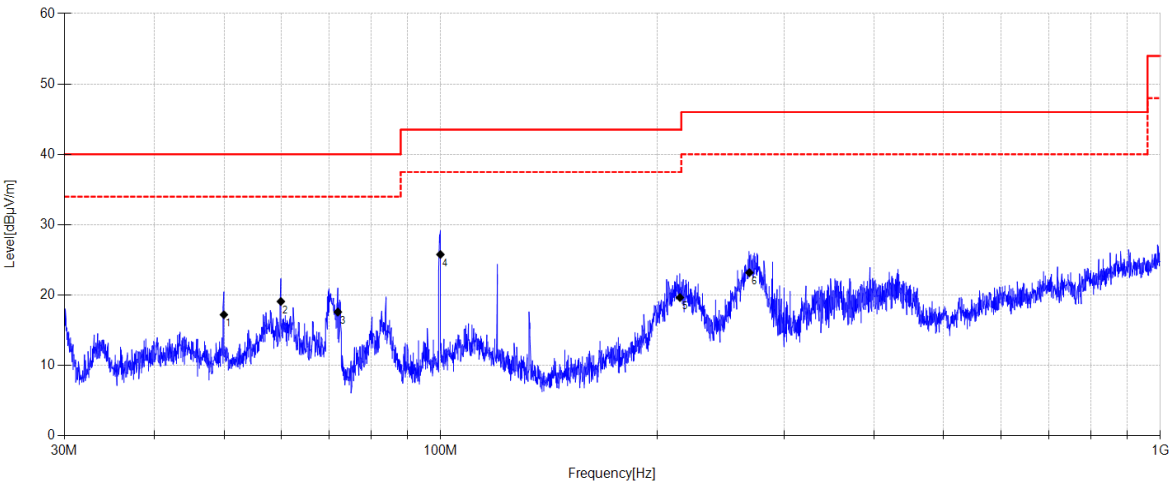
Test Site:

DDT 3# Chamber

File Path:

d:\ts\2024 report data\Q24081811-1E\FCC Below 1G\20241129-044534_V

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	49.981	31.44	12.99	3.88	17.21	40.00	22.79	QP	Vertical
2	59.977	33.44	12.79	3.96	19.09	40.00	20.91	QP	Vertical
3	71.971	35.07	9.60	4.03	17.60	40.00	22.40	QP	Vertical
4	99.924	41.1	11.55	4.22	25.77	43.50	17.73	QP	Vertical
5	215.032	35.35	10.70	4.83	19.65	43.50	23.85	QP	Vertical
6	268.556	37.17	12.27	5.08	23.18	46.00	22.82	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:

2024-11-28

Tested By:

Guoyuan Lin

EUT:

Reli Light Cam Battery D2

Model Number:

FJ35HWXJ

Test Mode:

11B 2412 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

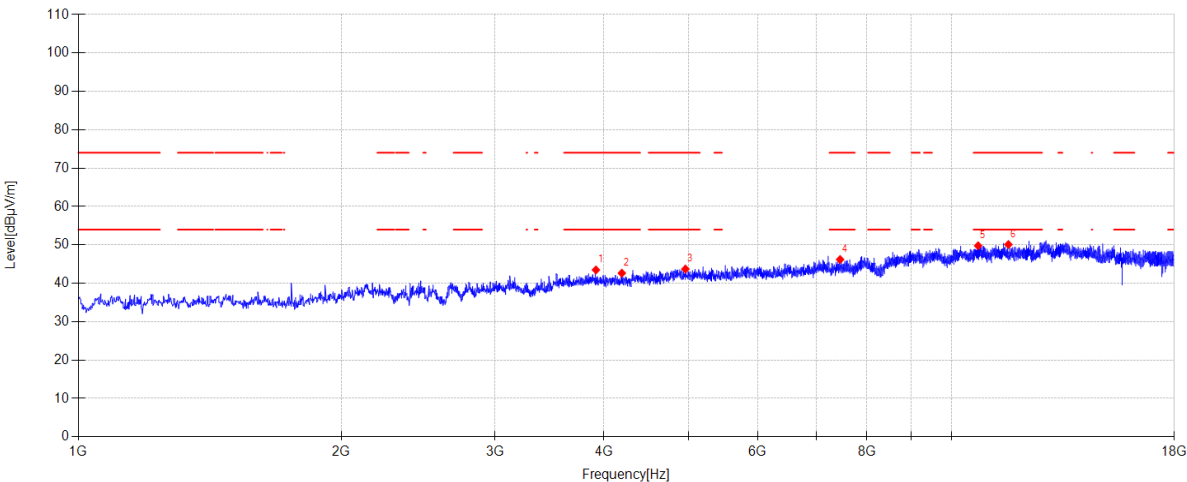
File Path:

d:\ts\2024 report data\Q24081811-1E\FCC RE Above 1G 2.4G\32

Memo:

Sample Numbler:S24081811-001

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	3915.500	46.92	31.17	5.06	-39.66	43.49	74.00	30.51	PK	Horizontal
2	4192.600	45.94	31.20	5.17	-39.66	42.65	74.00	31.35	PK	Horizontal
3	4957.600	44.58	33.12	5.62	-39.60	43.72	74.00	30.28	PK	Horizontal
4	7454.900	43.52	36.59	6.68	-40.59	46.20	74.00	27.80	PK	Horizontal
5	10729.100	41.55	39.40	7.99	-39.16	49.78	74.00	24.22	PK	Horizontal
6	11619.900	42.21	39.00	8.52	-39.62	50.11	74.00	23.89	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:

2024-11-28

Tested By:

Guoyuan Lin

EUT:

Reli Light Cam Battery D2

Model Number:

FJ35HWXJ

Test Mode:

11B 2412 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

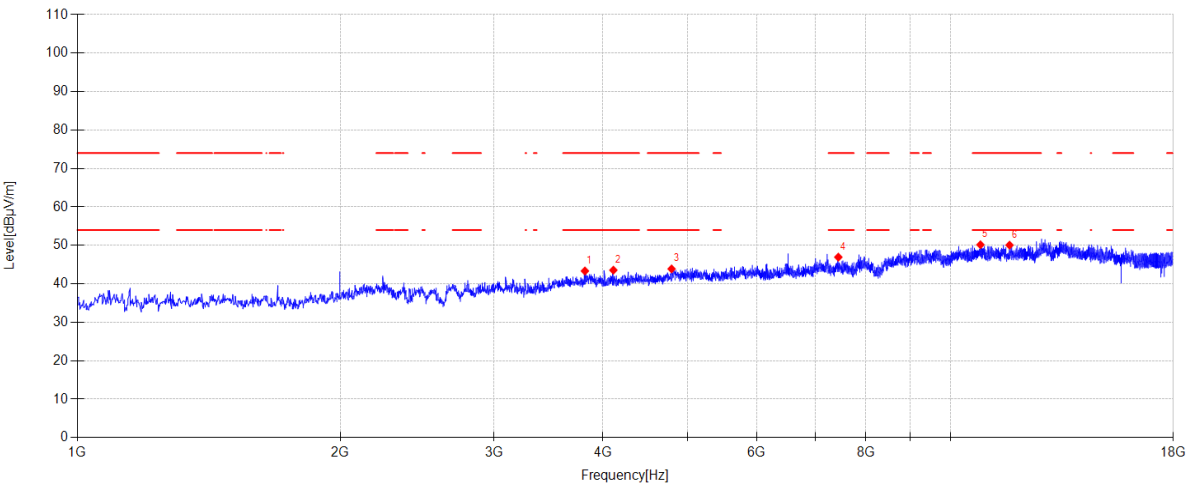
File Path:

d:\ts\2024 report data\Q24081811-1E\FCC RE Above 1G 2.4G\33

Memo:

Sample Numble:S24081811-001

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	3813.500	47.15	30.75	5.08	-39.64	43.34	74.00	30.66	PK	Vertical
2	4111.000	46.99	31.12	5.12	-39.67	43.56	74.00	30.44	PK	Vertical
3	4792.700	45.51	32.47	5.53	-39.62	43.89	74.00	30.11	PK	Vertical
4	7439.600	44.25	36.62	6.67	-40.60	46.94	74.00	27.06	PK	Vertical
5	10822.600	41.85	39.38	8.04	-39.11	50.16	74.00	23.84	PK	Vertical
6	11686.200	42.20	39.00	8.56	-39.69	50.07	74.00	23.93	PK	Vertical

Note:

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-11-28

Tested By:

Guoyuan Lin

EUT:

Reli Light Cam Battery D2

Model Number:

FJ35HWXJ

Test Mode:

11B 2437 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

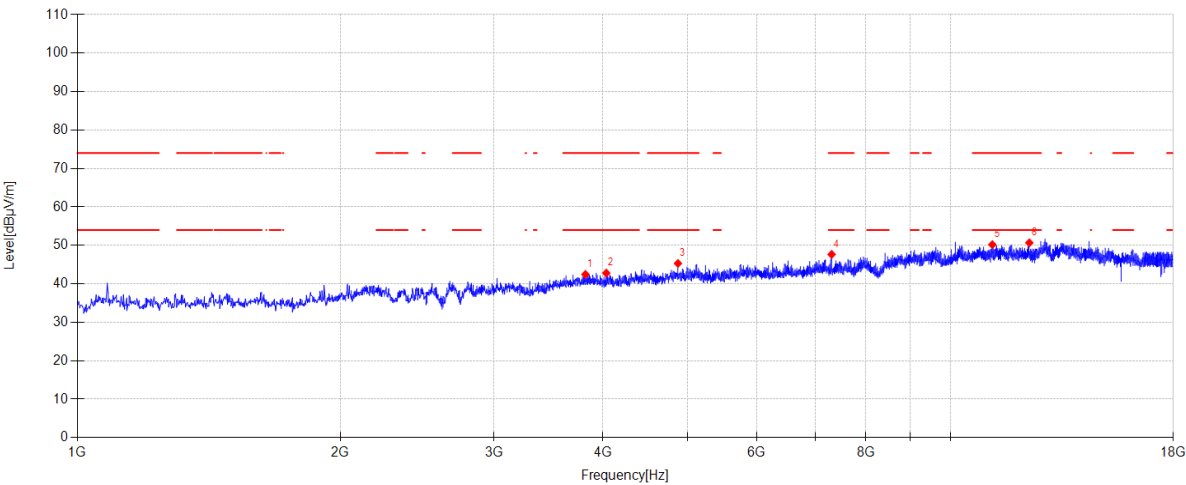
File Path:

d:\ts\2024 report data\Q24081811-1E\FCC RE Above 1G 2.4G\34

Memo:

Sample Numbel:S24081811-001

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	3818.600	46.23	30.77	5.08	-39.64	42.44	74.00	31.56	PK	Horizontal
2	4034.500	46.44	30.97	5.07	-39.68	42.80	74.00	31.20	PK	Horizontal
3	4874.300	45.93	33.41	5.57	-39.61	45.30	74.00	28.70	PK	Horizontal
4	7310.400	44.90	36.88	6.60	-40.72	47.66	74.00	26.34	PK	Horizontal
5	11167.700	41.89	39.23	8.24	-39.17	50.19	74.00	23.81	PK	Horizontal
6	12313.500	42.39	39.30	8.92	-39.94	50.67	74.00	23.33	PK	Horizontal

Note:

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

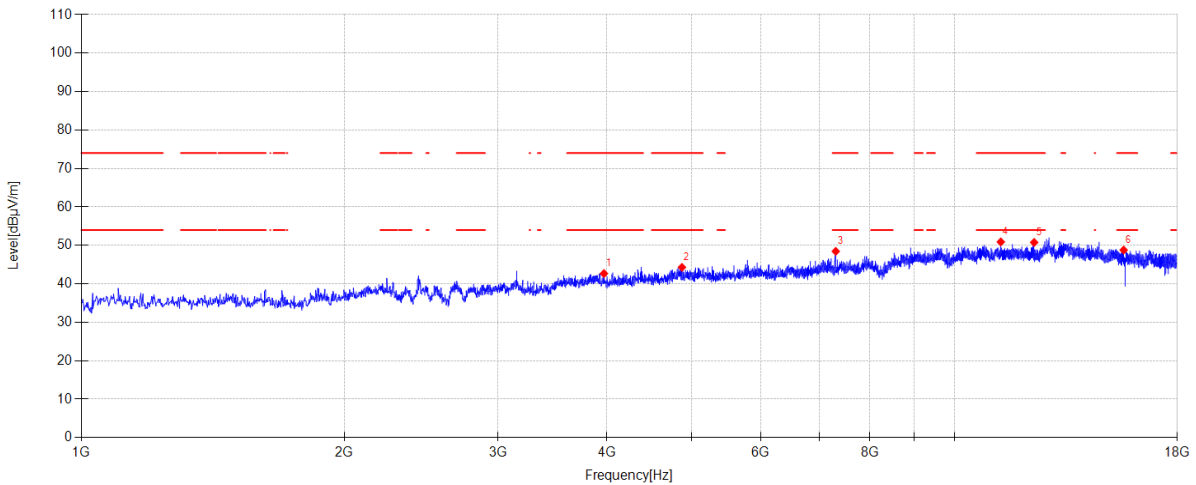
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

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

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-11-28 **Tested By:** Guoyuan Lin
EUT: Reli Light Cam Battery D2 **Model Number:** FJ35HWXJ
Test Mode: 11B 2437 MHz TX **Power Supply:** Battery
Condition: Temp:24.8°C;Humi:47.2% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2024 report data\Q24081811-1E\FCC RE Above 1G 2.4G\35
Memo: Sample Numbel:S24081811-001

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	3968.200	46.25	31.03	5.06	-39.67	42.67	74.00	31.33	PK	Vertical
2	4874.300	44.93	33.41	5.57	-39.61	44.30	74.00	29.70	PK	Vertical
3	7312.100	45.68	36.88	6.61	-40.72	48.45	74.00	25.55	PK	Vertical
4	11300.300	42.68	39.20	8.32	-39.30	50.90	74.00	23.10	PK	Vertical
5	12339.000	42.47	39.30	8.93	-39.93	50.77	74.00	23.23	PK	Vertical
6	15625.100	39.72	38.57	9.90	-39.40	48.79	74.00	25.21	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:

2024-11-28

Tested By:

Guoyuan Lin

EUT:

Reli Light Cam Battery D2

Model Number:

FJ35HWXJ

Test Mode:

11B 2462 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

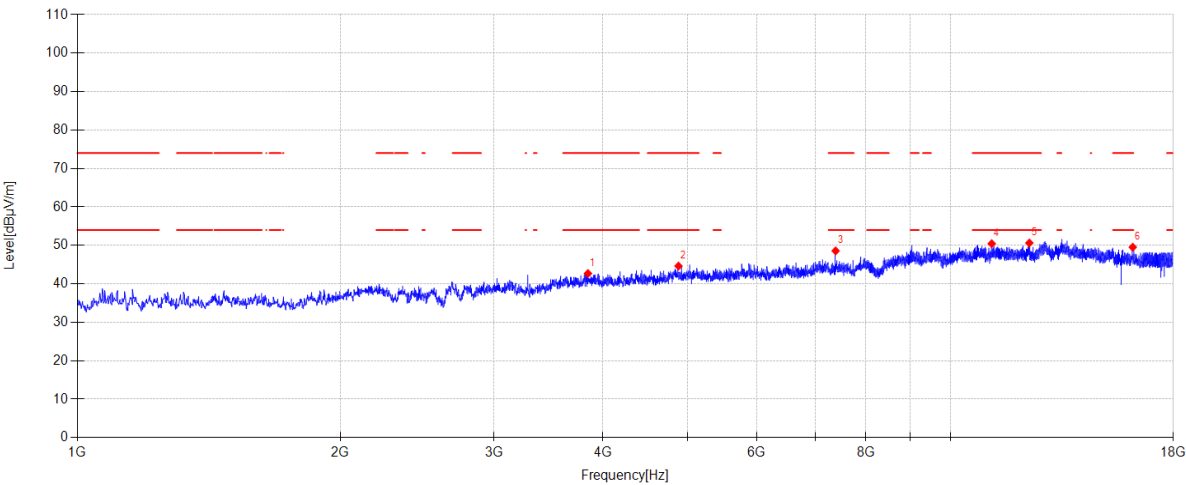
File Path:

d:\ts\2024 report data\Q24081811-1E\FCC RE Above 1G 2.4G\36

Memo:

Sample Numbel:S24081811-001

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	3844.100	46.37	30.88	5.08	-39.64	42.69	74.00	31.31	PK	Horizontal
2	4881.100	45.36	33.30	5.58	-39.61	44.63	74.00	29.37	PK	Horizontal
3	7386.900	45.85	36.73	6.65	-40.65	48.58	74.00	25.42	PK	Horizontal
4	11149.000	42.12	39.25	8.22	-39.15	50.44	74.00	23.56	PK	Horizontal
5	12313.500	42.35	39.30	8.92	-39.94	50.63	74.00	23.37	PK	Horizontal
6	16174.200	41.03	37.83	10.19	-39.52	49.53	74.00	24.47	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:

2024-11-28

Tested By:

Guoyuan Lin

EUT:

Reli Light Cam Battery D2

Model Number:

FJ35HWWJ

Test Mode:

11B 2462 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

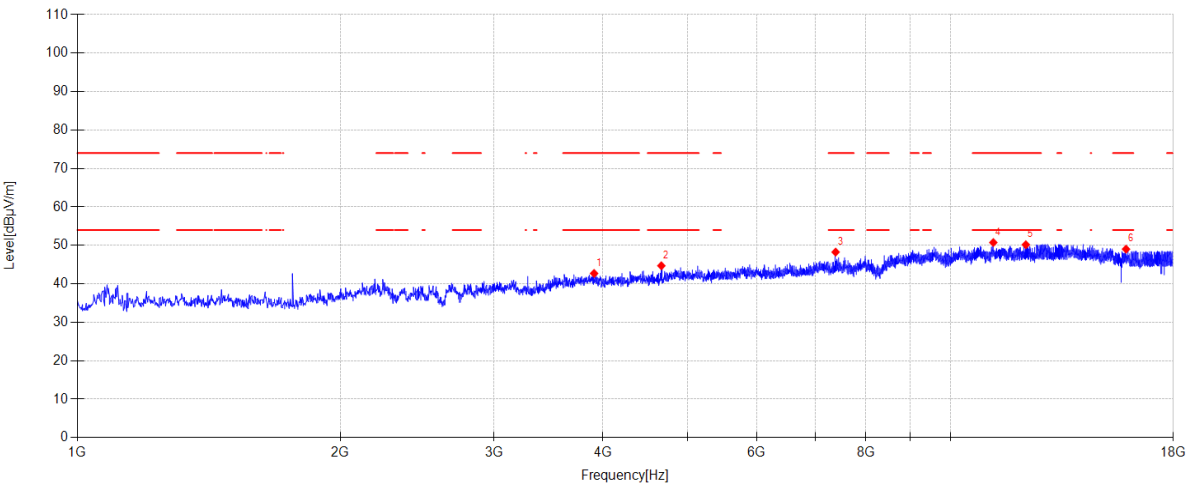
File Path:

d:\ts\2024 report data\Q24081811-1E\FCC RE Above 1G 2.4G\37

Memo:

Sample Numbel:S24081811-001

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	3907.000	46.10	31.19	5.07	-39.66	42.70	74.00	31.30	PK	Vertical
2	4665.200	46.82	32.06	5.45	-39.63	44.70	74.00	29.30	PK	Vertical
3	7386.900	45.53	36.73	6.65	-40.65	48.26	74.00	25.74	PK	Vertical
4	11196.600	42.50	39.20	8.25	-39.20	50.75	74.00	23.25	PK	Vertical
5	12199.600	41.97	39.30	8.86	-39.96	50.17	74.00	23.83	PK	Vertical
6	15888.600	40.22	38.12	10.08	-39.40	49.02	74.00	24.98	PK	Vertical

Note:

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

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

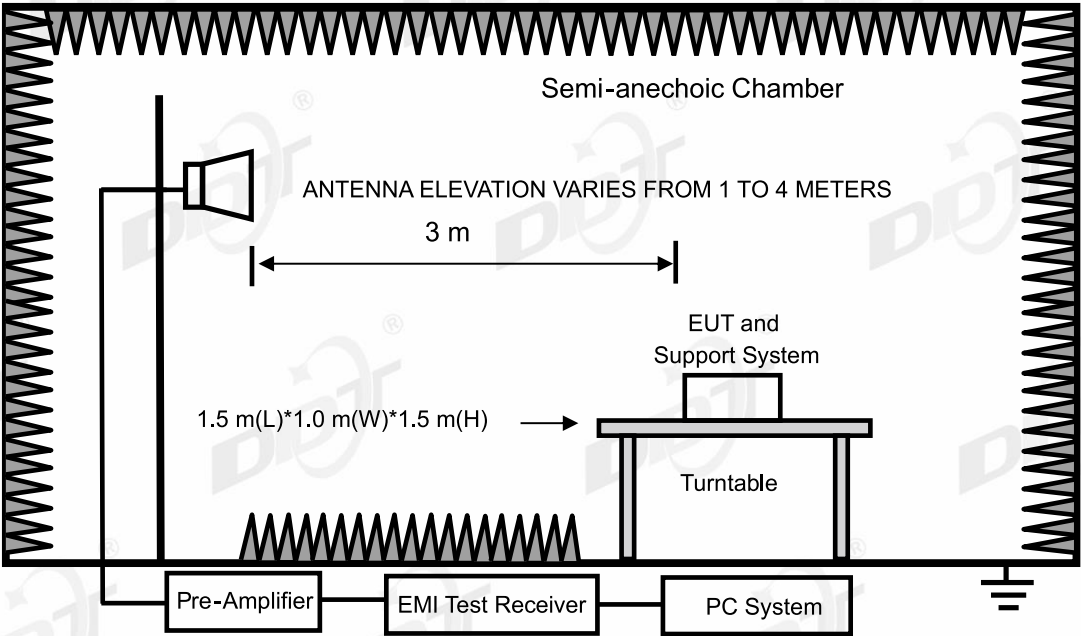
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

13. Band Edge Compliance

13.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
High Pass filter	Xi'an Xingbo	XBLBQ-GTA67	DDT-ZC02179	2026/03/28
Hochgewinn-Hornantenne	SCHWARZBEC K	BBHA 9120 D	DDT-ZC02129	2025/09/18
RF cable	Yuhu Technology	JCTB810-NJ-NJ- 9M	DDT-ZC02538	2026/03/28
Active Loop Antenna	Schwarzbeck	FMZB1519	DDT-ZC00524	2025/09/11
High pass filter	Micro-Tronics	HPM50108	DDT-ZC00560	2026/03/28
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	DDT-ZC02050	2025/07/11
RF cable	Zhongke Junchuang	JCT26S-NJ-NJ- 1.5M	DDT-ZC02762	2026/03/28
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2027/04/01
RF Cable	N/A	W24.02 HL-562	DDT-ZC04022	2026/03/28
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2026/03/28
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/
RF cable	Yuhu Technology	ZT26S-SMAJ- SMAJ-1M	DDT-ZC02037	2026/03/28
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	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
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/
High pass filter	Micro-Tronics	HPM50102	DDT-ZC00561	2026/03/28
Pre-amplifier	COM-POWER	PAM-118A	DDT-ZC01293	2025/08/25

13.2. Block diagram of test setup



13.3. Limits

All restriction band should comply with 15.209 limits, other emission should be at least 20 dB below the fundamental.

13.4. Assistant equipment used for test

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

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. According to the results of the radiated Emission test, it can be judged that the Vertical direction is the Worst case. Average level were measured with Spectrum Analyzer, and only the worst case is shown in report.

13.6. Test result

PASS. (See below detailed test result)

13.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date:

2024-11-28

Tested By:

Guoyuan Lin

EUT:

Reli Light Cam Battery D2

Model Number:

FJ35HWXJ

Test Mode:

11B 2412 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

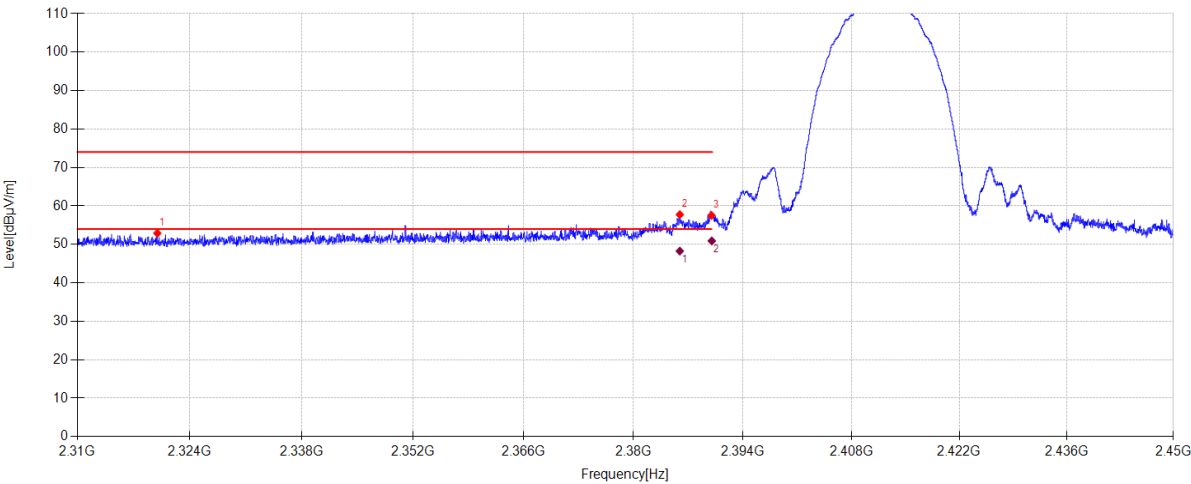
File Path:

d:\ts\2024 report data\Q24081811-1E\FCC RE Above 1G 2.4G\20

Memo:

Sample Numbre:S24081811-001

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	2319.940	22.45	26.92	3.53	0.00	52.90	74.00	21.10	PK	Vertical
2	2385.936	26.94	27.24	3.57	0.00	57.75	74.00	16.25	PK	Vertical
3	2390.000	26.71	27.26	3.57	0.00	57.54	74.00	16.46	PK	Vertical

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	2385.933	17.45	27.24	3.57	48.26	54.00	5.74	AV	Vertical	
2	2390.030	20.07	27.26	3.57	50.90	54	3.10	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:

2024-11-28

Tested By:

Guoyuan Lin

EUT:

Reli Light Cam Battery D2

Model Number:

FJ35HWXJ

Test Mode:

11B 2462 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

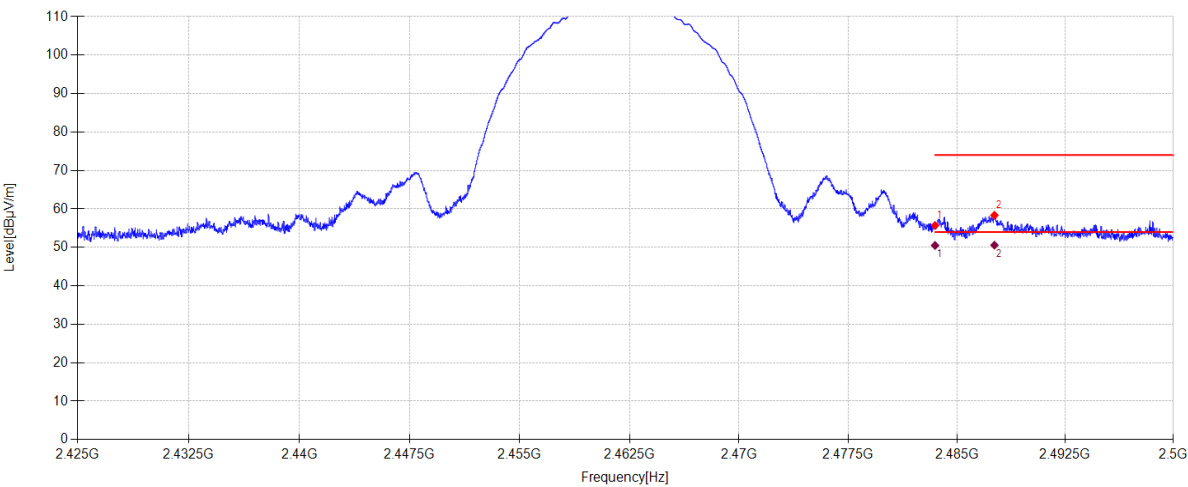
File Path:

d:\ts\2024 report data\Q24081811-1E\FCC RE Above 1G 2.4G\21

Memo:

Sample Numble:S24081811-001

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	2483.500	24.54	27.53	3.62	0.00	55.69	74.00	18.31	PK	Vertical
2	2487.603	27.18	27.55	3.62	0.00	58.35	74.00	15.65	PK	Vertical

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	19.35	27.53	3.62	50.50	54.00	3.50	AV	Vertical	
2	2487.603	19.41	27.55	3.62	50.58	54.00	3.42	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:

2024-11-28

Tested By:

Guoyuan Lin

EUT:

Reli Light Cam Battery D2

Model Number:

FJ35HWXJ

Test Mode:

11G 2412 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

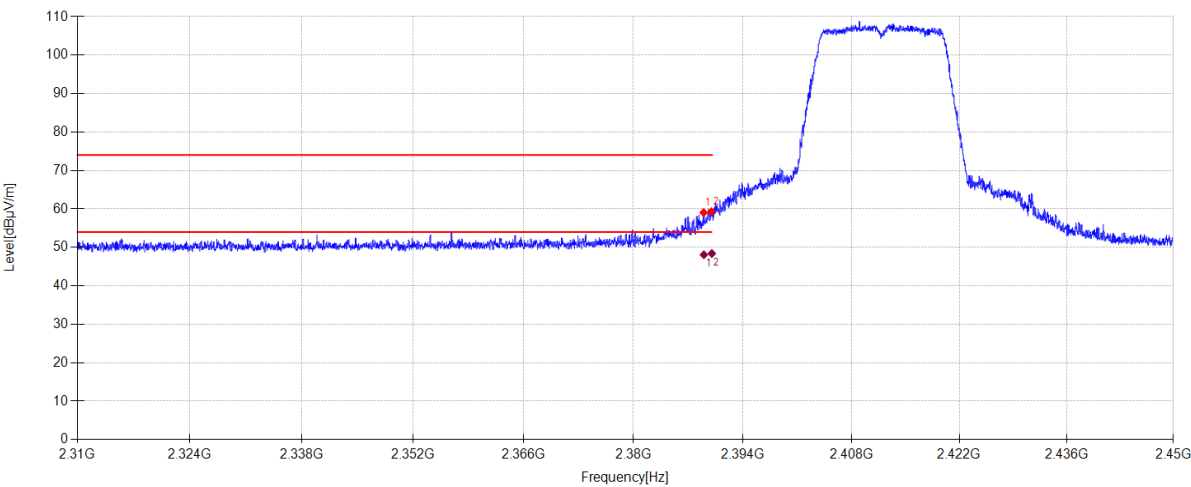
File Path:

d:\ts\2024 report data\Q24081811-1E\FCC RE Above 1G 2.4G\22

Memo:

Sample Numbler:S24081811-001

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	2388.988	28.23	27.26	3.57	0.00	59.06	74.00	14.94	PK	Vertical
2	2390.000	28.45	27.26	3.57	0.00	59.28	74.00	14.72	PK	Vertical

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	2389.022	17.26	27.26	3.57	48.09	54.00	5.91	AV	Vertical	
2	2390.038	17.57	27.26	3.57	48.40	54	5.60	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:

2024-11-28

Tested By:

Guoyuan Lin

EUT:

Reli Light Cam Battery D2

Model Number:

FJ35HWXJ

Test Mode:

11G 2462 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

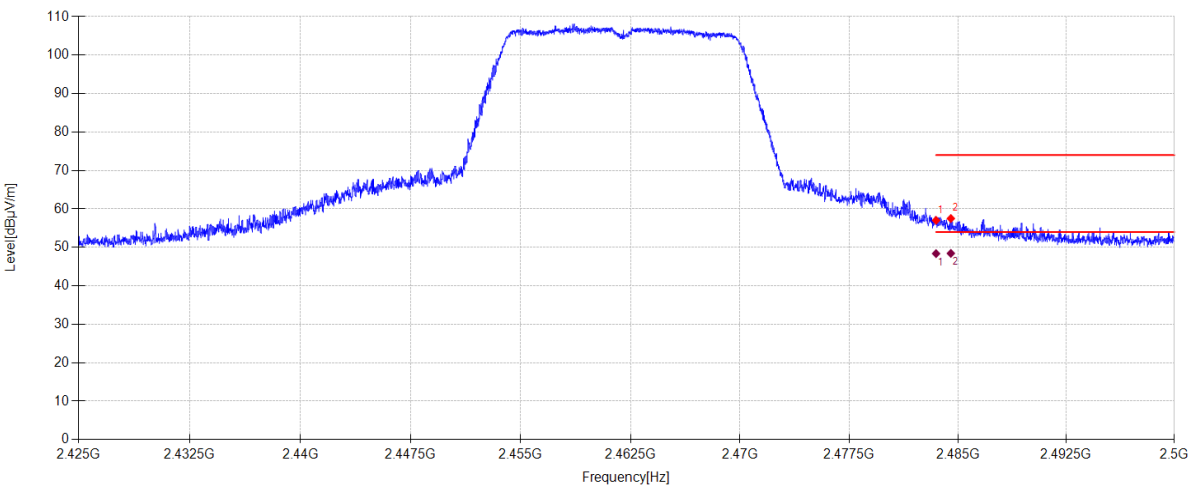
File Path:

d:\ts\2024 report data\Q24081811-1E\FCC RE Above 1G 2.4G\23

Memo:

Sample Numble:S24081811-001

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	2483.500	25.88	27.53	3.62	0.00	57.03	74.00	16.97	PK	Vertical
2	2484.520	26.35	27.54	3.62	0.00	57.51	74.00	16.49	PK	Vertical

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	17.23	27.53	3.62	48.38	54.00	5.62	AV	Vertical	
2	2484.520	17.28	27.54	3.62	48.44	54.00	5.56	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:

2024-11-28

Tested By:

Guoyuan Lin

EUT:

Reli Light Cam Battery D2

Model Number:

FJ35HWXJ

Test Mode:

11N20 2412 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

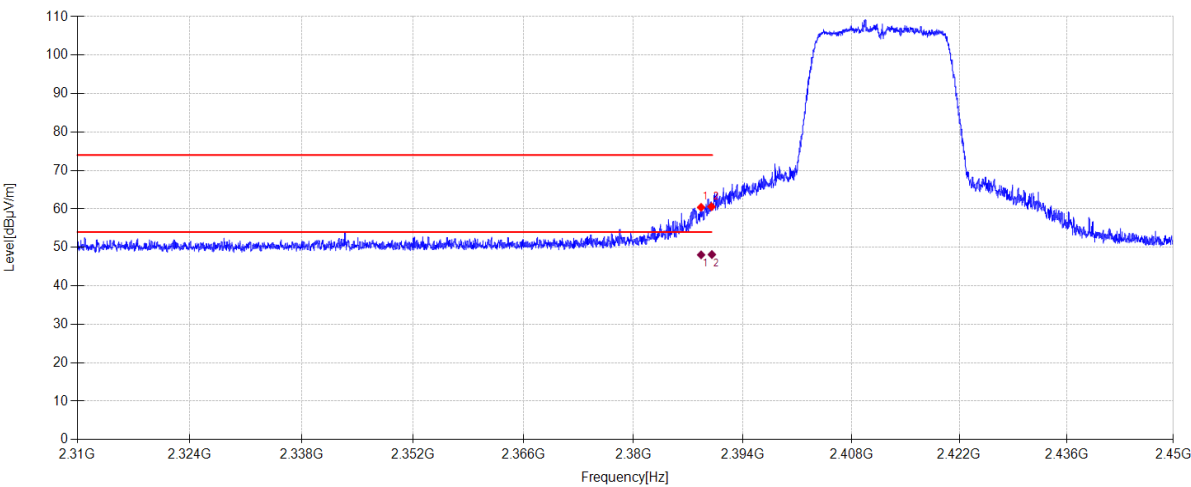
File Path:

d:\ts\2024 report data\Q24081811-1E\FCC RE Above 1G 2.4G\24

Memo:

Sample Numbler:S24081811-001

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	2388.666	29.60	27.25	3.57	0.00	60.42	74.00	13.58	PK	Vertical
2	2390.000	29.76	27.26	3.57	0.00	60.59	74.00	13.41	PK	Vertical

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	2388.666	17.24	27.25	3.57	48.06	54.00	5.94	AV	Vertical	
2	2390.044	17.31	27.26	3.57	48.14	54	5.86	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:

2024-11-28

Tested By:

Guoyuan Lin

EUT:

Reli Light Cam Battery D2

Model Number:

FJ35HWXJ

Test Mode:

11N20 2462 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

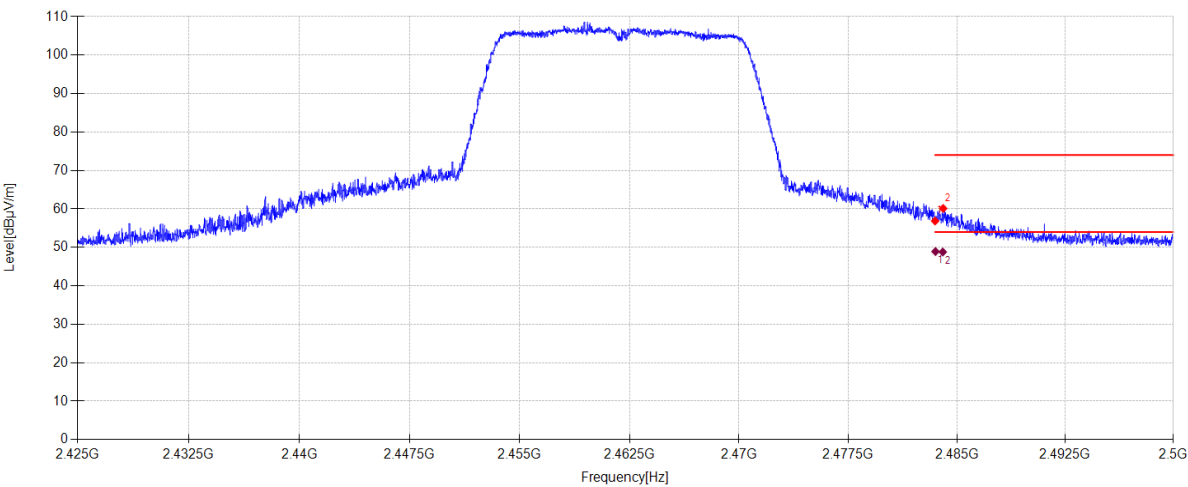
File Path:

d:\ts\2024 report data\Q24081811-1E\FCC RE Above 1G 2.4G\25

Memo:

Sample Numbel:S24081811-001

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	2483.500	25.72	27.53	3.62	0.00	56.87	74.00	17.13	PK	Vertical
2	2484.063	28.97	27.54	3.62	0.00	60.13	74.00	13.87	PK	Vertical

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	2483.532	17.77	27.53	3.62	48.92	54.00	5.08	AV	Vertical	
2	2484.033	17.64	27.54	3.62	48.80	54.00	5.20	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:

2024-11-28

Tested By:

Guoyuan Lin

EUT:

Reli Light Cam Battery D2

Model Number:

FJ35HWXJ

Test Mode:

11N40 2422 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

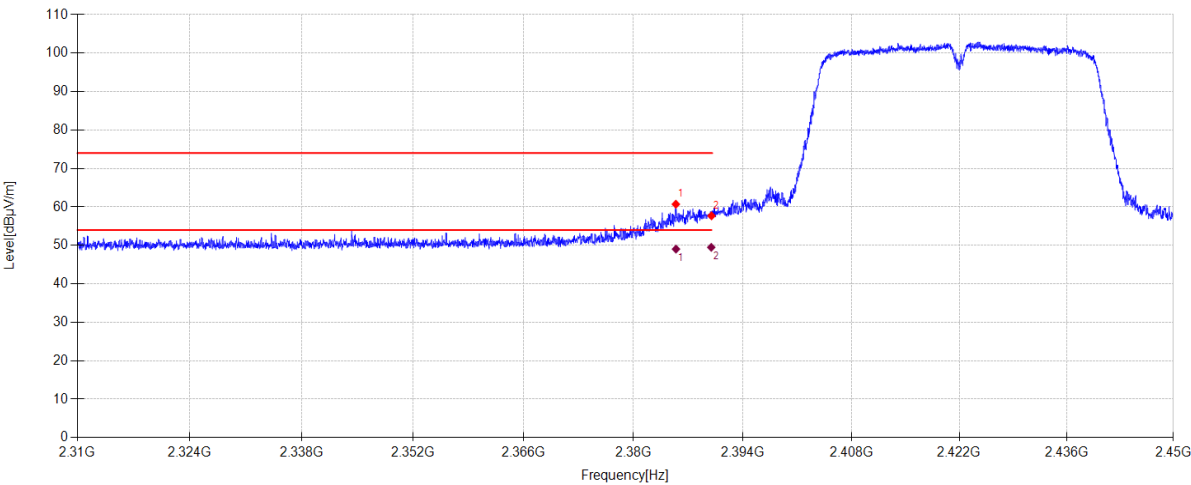
File Path:

d:\ts\2024 report data\Q24081811-1E\FCC RE Above 1G 2.4G\26

Memo:

Sample Numble:S24081811-001

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	2385.432	29.90	27.24	3.57	0.00	60.71	74.00	13.29	PK	Vertical
2	2390.000	26.87	27.26	3.57	0.00	57.70	74.00	16.30	PK	Vertical

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	2385.445	18.23	27.24	3.57	49.04	54.00	4.96	AV	Vertical	
2	2389.968	18.66	27.26	3.57	49.49	54.00	4.51	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:

2024-11-28

Tested By:

Guoyuan Lin

EUT:

Reli Light Cam Battery D2

Model Number:

FJ35HWXJ

Test Mode:

11N40 2452 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

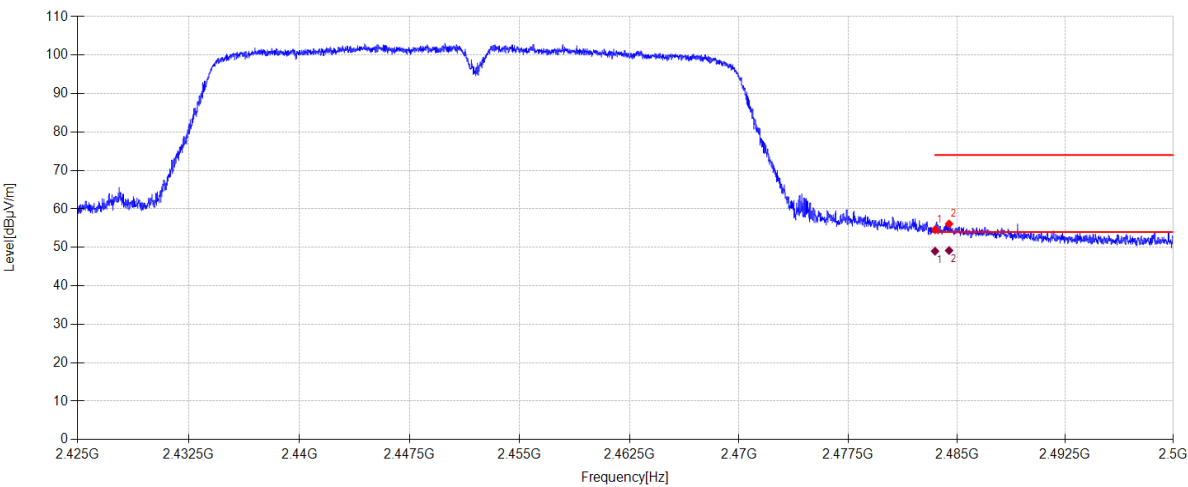
File Path:

d:\ts\2024 report data\Q24081811-1E\FCC RE Above 1G 2.4G\27

Memo:

Sample Numble:S24081811-001

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	2483.500	23.44	27.53	3.62	0.00	54.59	74.00	19.41	PK	Vertical
2	2484.468	24.94	27.54	3.62	0.00	56.10	74.00	17.90	PK	Vertical

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	17.86	27.53	3.62	49.01	54.00	4.99	AV	Vertical	
2	2484.468	18.02	27.54	3.62	49.18	54.00	4.82	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:

2024-11-28

Tested By:

Guoyuan Lin

EUT:

Reli Light Cam Battery D2

Model Number:

FJ35HWXJ

Test Mode:

11AX20 2412 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

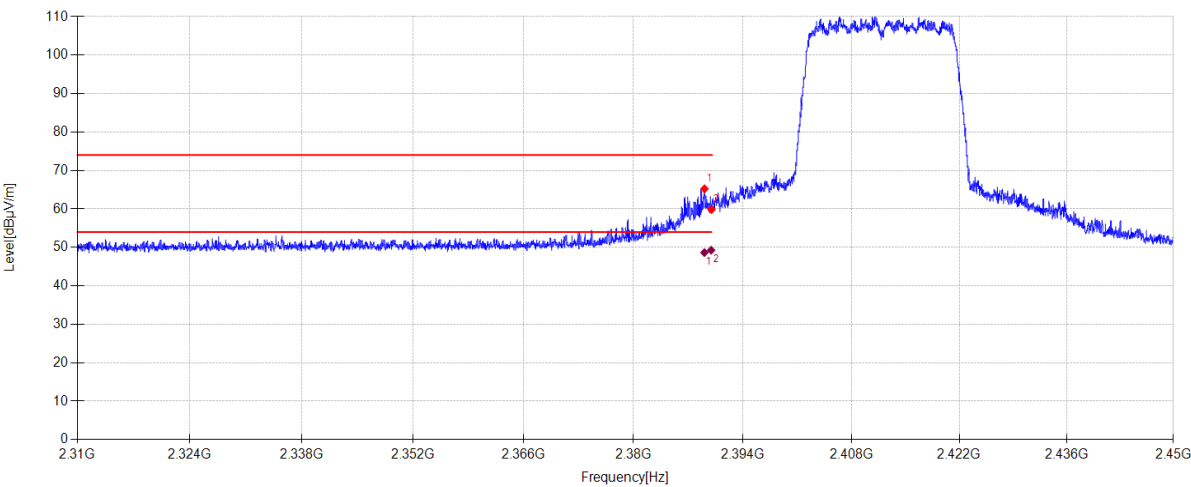
File Path:

d:\ts\2024 report data\Q24081811-1E\FCC RE Above 1G 2.4G\28

Memo:

Sample Numbler:S24081811-001

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	2389.100	34.40	27.26	3.57	0.00	65.23	74.00	8.77	PK	Vertical
2	2390.000	29.02	27.26	3.57	0.00	59.85	74.00	14.15	PK	Vertical

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	2389.092	17.82	27.26	3.57	48.65	54.00	5.35	AV	Vertical	
2	2389.955	18.44	27.26	3.57	49.27	54.00	4.73	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:

2024-11-28

Tested By:

Guoyuan Lin

EUT:

Reli Light Cam Battery D2

Model Number:

FJ35HWXJ

Test Mode:

11AX20 2462 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

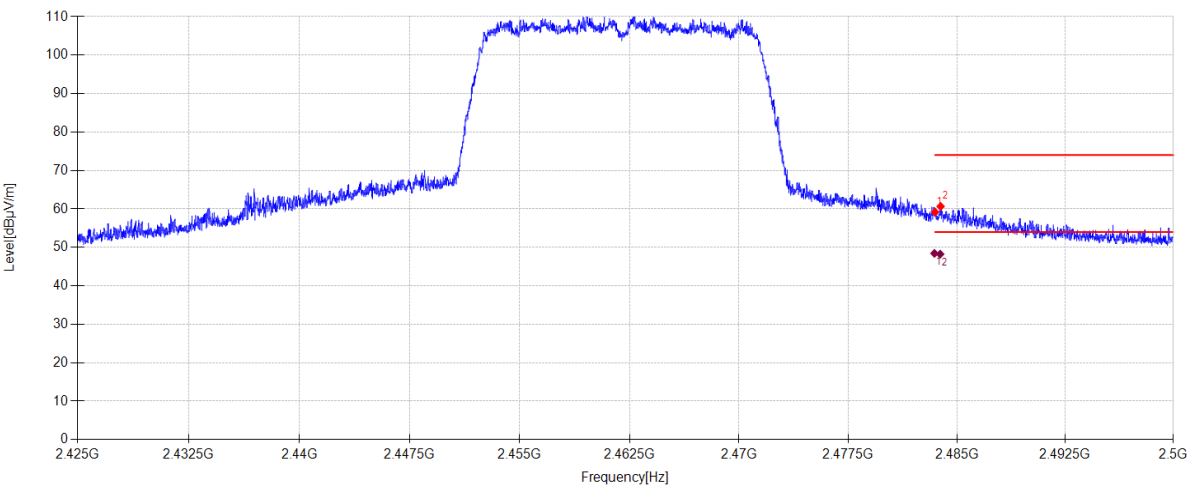
File Path:

d:\ts\2024 report data\Q24081811-1E\FCC RE Above 1G 2.4G\29

Memo:

Sample Numbel:S24081811-001

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	2483.500	28.01	27.53	3.62	0.00	59.16	74.00	14.84	PK	Vertical
2	2483.883	29.50	27.54	3.62	0.00	60.66	74.00	13.34	PK	Vertical

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	2483.455	17.29	27.53	3.62	48.44	54.00	5.56	AV	Vertical	
2	2483.852	17.08	27.54	3.62	48.24	54.00	5.76	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:

2024-11-28

Tested By:

Guoyuan Lin

EUT:

Reli Light Cam Battery D2

Model Number:

FJ35HWXJ

Test Mode:

11AX40 2422 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

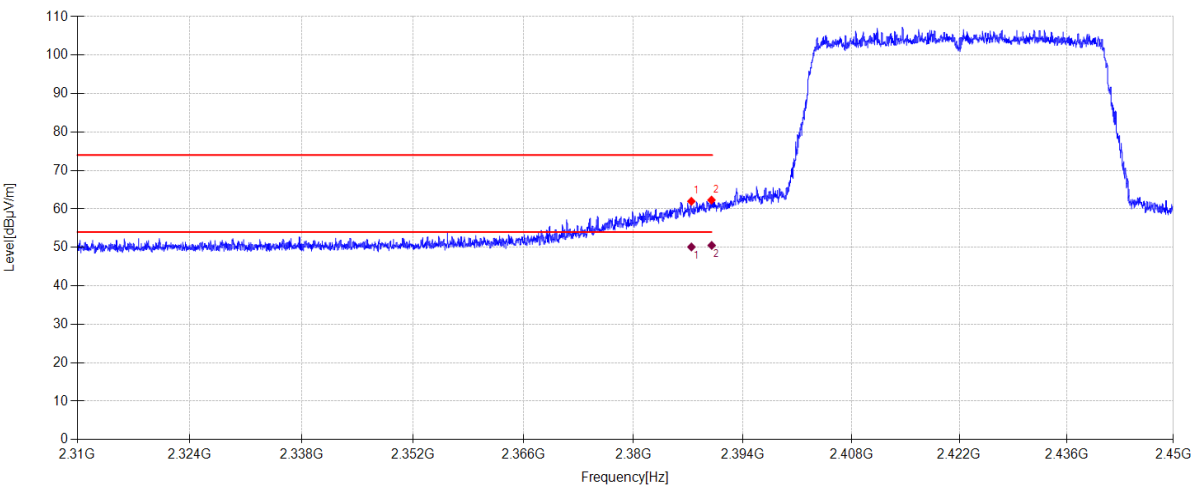
File Path:

d:\ts\2024 report data\Q24081811-1E\FCC RE Above 1G 2.4G\30

Memo:

Sample Numbel:S24081811-001

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	2387.420	31.17	27.25	3.57	0.00	61.99	74.00	12.01	PK	Vertical
2	2390.000	31.48	27.26	3.57	0.00	62.31	74.00	11.69	PK	Vertical

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	2387.423	19.28	27.25	3.57	50.10	54.00	3.90	AV	Vertical	
2	2390.025	19.69	27.26	3.57	50.52	51.97	1.45	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:

2024-11-28

Tested By:

Guoyuan Lin

EUT:

Reli Light Cam Battery D2

Model Number:

FJ35HWXJ

Test Mode:

11AX40 2452 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

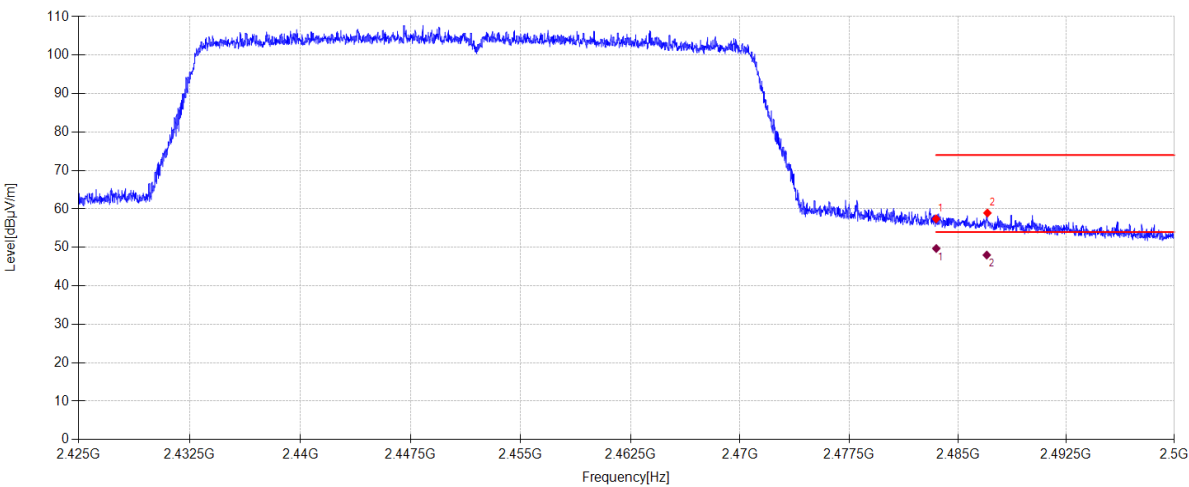
File Path:

d:\ts\2024 report data\Q24081811-1E\FCC RE Above 1G 2.4G\31

Memo:

Sample Numble:S24081811-001

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	2483.500	26.28	27.53	3.62	0.00	57.43	74.00	16.57	PK	Vertical
2	2487.048	27.77	27.55	3.62	0.00	58.94	74.00	15.06	PK	Vertical

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	2483.515	18.56	27.53	3.62	49.71	54.00	4.29	AV	Vertical	
2	2487.003	16.84	27.55	3.62	48.01	54.00	5.99	AV	Vertical	

- Note:
1. Level = Reading + Cable loss + Antenna Factor + AMP

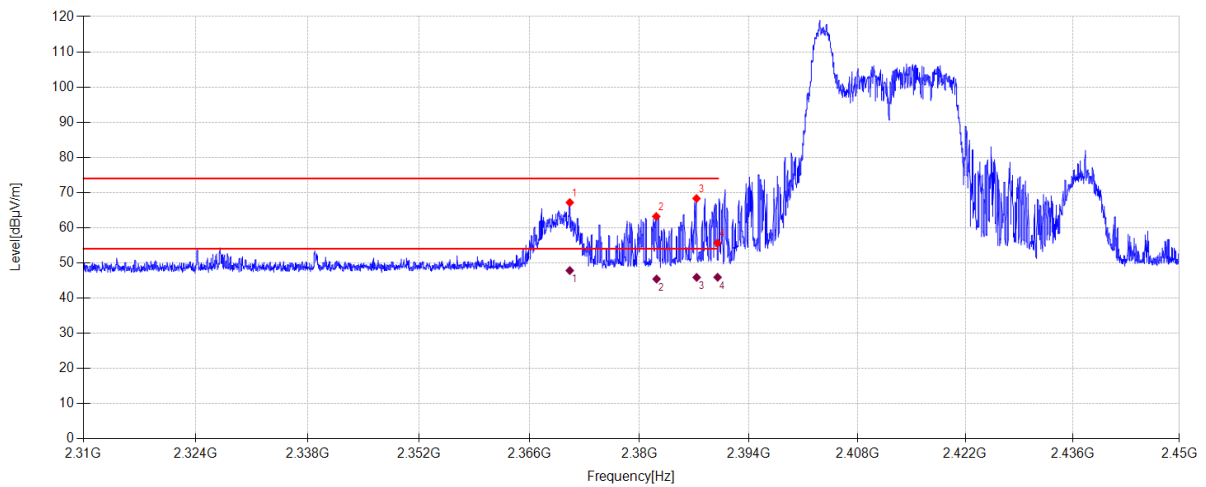
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

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

TR-4-E-009 Radiated Emission Test Result

Test Date: 2024-11-29 **Tested By:** Guoyuan Lin
EUT: Reli Light Cam Battery D2 **Model Number:** FJ35HWXJ
Test Mode: 11AX20 RU0 2412 MHz TX **Power Supply:** Battery
Condition: Temp:24.8°C;Humi:47.2% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2024 report data\Q24101811-1E\2.4G RU1
Memo: Sample Numbler:S24081811-001

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	2371.124	36.42	27.18	3.56	0.00	67.16	74.00	6.84	PK	Vertical
2	2382.156	32.41	27.23	3.56	0.00	63.20	74.00	10.80	PK	Vertical
3	2387.308	37.49	27.25	3.57	0.00	68.31	74.00	5.69	PK	Vertical
4	2390.000	24.81	27.26	3.57	0.00	55.64	74.00	18.36	PK	Vertical

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	2371.119	17.09	27.18	3.56	47.83	54.00	6.17	AV	Vertical
2	2382.195	14.62	27.23	3.56	45.41	54.00	8.59	AV	Vertical
3	2387.328	15.07	27.25	3.57	45.89	54.00	8.11	AV	Vertical
4	2390.010	15.09	27.26	3.57	45.92	51.97	6.05	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:

2024-11-29

Tested By:

Guoyuan Lin

EUT:

Reli Light Cam Battery D2

Model Number:

FJ35HWXJ

Test Mode:

11AX20 RU8 2462 MHz TX

Power Supply:

Battery

Condition:

Temp:24.8°C;Humi:47.2%

Test Site:

DDT 3# Chamber

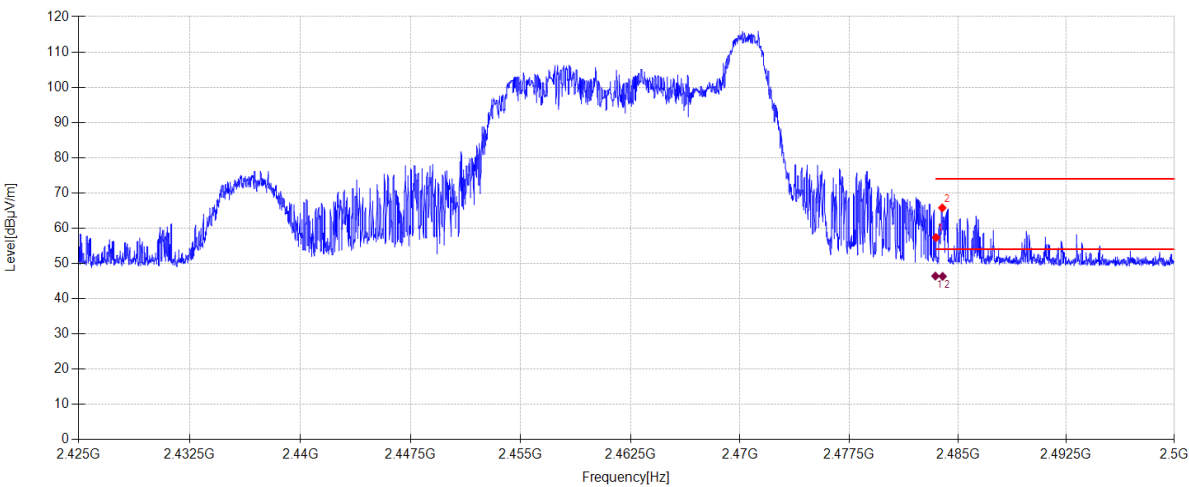
File Path:

d:\ts\2024 report data\Q24101811-1E\2.4G RU\2

Memo:

Sample Numbel:S24081811-001

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	2483.500	26.19	27.53	3.62	0.00	57.34	74.00	16.66	PK	Vertical
2	2483.928	34.60	27.54	3.62	0.00	65.76	74.00	8.24	PK	Vertical

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	2483.453	15.25	27.53	3.62	46.40	54.00	7.60	AV	Vertical	
2	2483.951	15.16	27.54	3.62	46.32	54.00	7.68	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.

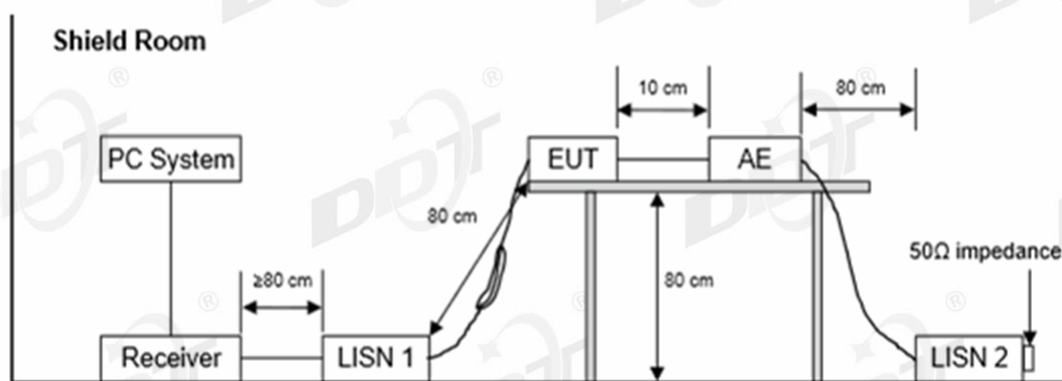
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

14. Power Line Conducted Emissions

14.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To
EMI Test Receiver	R&S	ESCI	DDT-ZC00235	2025/07/08
CE Cable 1	R&S	ESU8/RF2	DDT-ZC00566	2025/07/08
EMI Test Software	Audix/TW	e3	DDT-ZC01252	/
Two Line V-Network	R&S	ENV216	DDT-ZC00535	2025/07/08
Artificial mains	R&S	ESH2-Z5	DDT-ZC00538	2025/07/08
Pulse Limiter	SCHWARZBEC K	ESH3-Z2	DDT-ZC00539	2025/07/08

14.2. Block diagram of test setup



14.3. Limits

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

Note 1: * Decreasing linearly with logarithm of frequency.

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

14.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
Adapter	HUAWEI	HW-100400C01	Input: 100-240V~ 50/60Hz, Output: 5V/2A or 9V/2A or 10V/4A MAX	/

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.

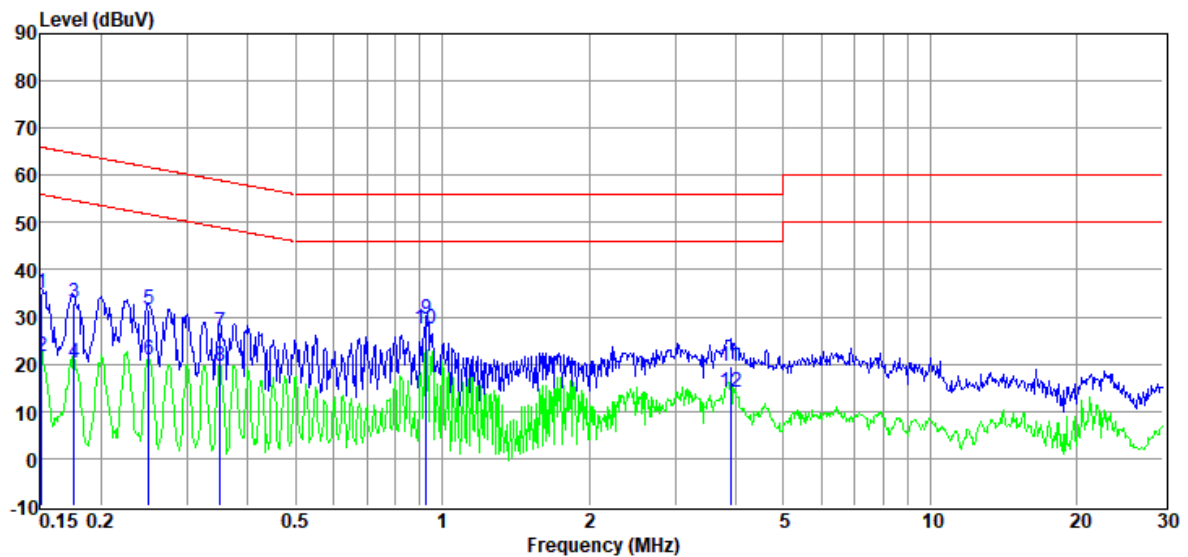
Note3: Pre-test AC conducted emission at both voltage AC 120V/60Hz and AC 240V/50Hz, recorded the worst case.

14.7. Test data

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 1# Shield Room **D:\2024 CE report data\Q24101811-1E\CE.EM6**
Test Date : 2025-02-19 **Tested By** : Gen Liu
EUT : Reli Light Cam Battery D2 **Model Number** : FJ35HWWXJ
Power Supply : AC 120V/60Hz **Test Mode** : 2.4G WIFI
Condition : TEMP:21.5°C, RH:53.6% **LISN** : 2024 1# ENV216/LINE
Memo :

Data: 6



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	LISN Factor (dB)	Cable Loss (dB)	Pulse Limiter Factor (dB)	Result Level (dBμV)	Limit Line (dBμV)	Over Limit (dB)	Detector	Phase
1	0.15	15.01	9.90	0.11	9.86	34.88	65.96	-31.08	QP	LINE
2	0.15	1.59	9.90	0.11	9.86	21.46	55.96	-34.50	Average	LINE
3	0.18	13.31	9.82	0.12	9.86	33.11	64.68	-31.57	QP	LINE
4	0.18	0.41	9.82	0.12	9.86	20.21	54.68	-34.47	Average	LINE
5	0.25	11.75	9.74	0.14	9.86	31.49	61.73	-30.24	QP	LINE
6	0.25	1.29	9.74	0.14	9.86	21.03	51.73	-30.70	Average	LINE
7	0.35	7.04	9.78	0.12	9.86	26.80	58.96	-32.16	QP	LINE
8	0.35	-0.14	9.78	0.12	9.86	19.62	48.96	-29.34	Average	LINE
9	0.93	9.74	9.79	0.06	9.88	29.47	56.00	-26.53	QP	LINE
10	0.93	7.56	9.79	0.06	9.88	27.29	46.00	-18.71	Average	LINE
11	3.90	-0.10	9.74	0.05	9.86	19.55	56.00	-36.45	QP	LINE
12	3.90	-5.62	9.74	0.05	9.86	14.03	46.00	-31.97	Average	LINE

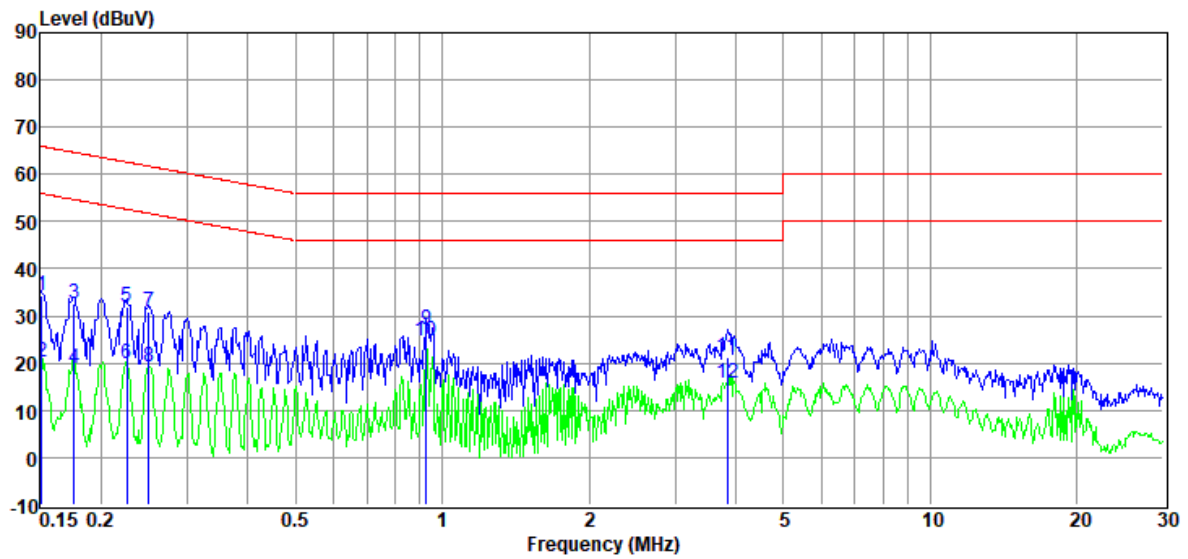
Note:

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 1# Shield Room **D:\2024 CE report data\Q24101811-1E\CE.EM6**
Test Date : 2025-02-19 **Tested By** : Gen Liu
EUT : Reli Light Cam Battery D2 **Model Number** : FJ35HWXJ
Power Supply : AC 120V/60Hz **Test Mode** : 2.4G WIFI
Condition : TEMP:21.5°C, RH:53.6% **LISN** : 2024 1# ENV216/NEUTRAL
Memo :

Data: 8



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	LISN Factor (dB)	Cable Loss (dB)	Pulse Limiter Factor (dB)	Result Level (dBμV)	Limit Line (dBμV)	Over Limit (dB)	Detector	Phase
1	0.15	14.55	9.65	0.11	9.86	34.17	65.96	-31.79	QP	NEUTRAL
2	0.15	0.59	9.65	0.11	9.86	20.21	55.96	-35.75	Average	NEUTRAL
3	0.18	12.86	9.67	0.12	9.86	32.51	64.68	-32.17	QP	NEUTRAL
4	0.18	-0.65	9.67	0.12	9.86	19.00	54.68	-35.68	Average	NEUTRAL
5	0.23	12.09	9.71	0.13	9.86	31.79	62.61	-30.82	QP	NEUTRAL
6	0.23	0.04	9.71	0.13	9.86	19.74	52.61	-32.87	Average	NEUTRAL
7	0.25	11.06	9.72	0.14	9.86	30.78	61.73	-30.95	QP	NEUTRAL
8	0.25	-0.50	9.72	0.14	9.86	19.22	51.73	-32.51	Average	NEUTRAL
9	0.93	7.38	9.71	0.06	9.88	27.03	56.00	-28.97	QP	NEUTRAL
10	0.93	4.90	9.71	0.06	9.88	24.55	46.00	-21.45	Average	NEUTRAL
11	3.84	1.88	9.65	0.05	9.86	21.44	56.00	-34.56	QP	NEUTRAL
12	3.84	-3.86	9.65	0.05	9.86	15.70	46.00	-30.30	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 DDT-Q24101811-2E appendix I

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