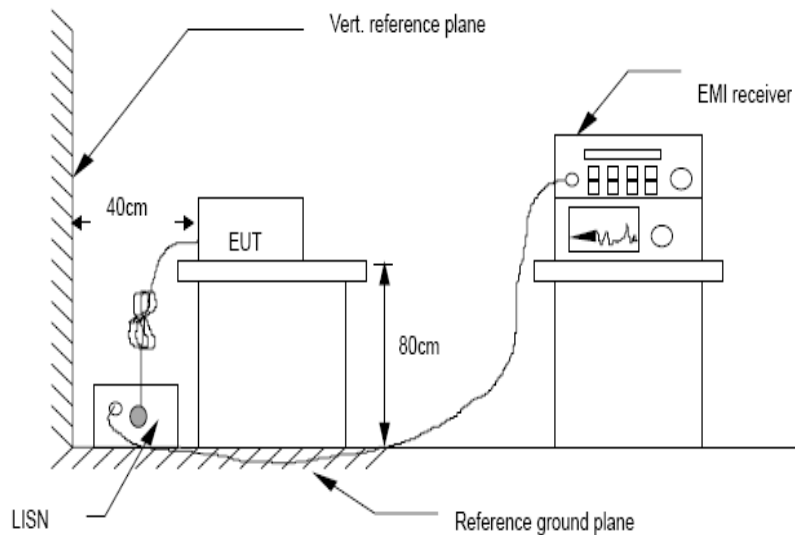


Frequency Range : 2310MHz~2410MHz								
Test Mode : $\pi/4$ DQPSK TX 2402MHz								
No.	Freq MHz	Polarity	Reading (dBuV/m)	Correct Factor	Result (dBuV/m)	Limit (dBuV/m)	Margin	Remark
1	2390	H	60.34	-20.45	39.89	74.00	-34.11	Peak
2	2390	H	--	-20.45	--	54.00	--	Avg
3	2400	H	64.76	-20.41	44.35	74.00	-29.65	Peak
4	2400	H	--	-20.41	--	54.00	--	Avg
1	2390	V	63.54	-20.45	43.09	74.00	-30.91	Peak
2	2390	V	--	-20.45	--	54.00	--	Avg
3	2400	V	63.98	-20.41	43.57	74.00	-30.43	Peak
4	2400	V	--	-20.41	--	54.00	--	Avg
Frequency Range : 2450MHz~2550MHz								
Test Mode : $\pi/4$ DQPSK TX 2480MHz								
1	2483.5	H	63.17	-20.15	43.02	74.00	-30.98	Peak
2	2483.5	H	--	-20.15	--	54.00	--	Avg
1	2483.5	V	63.13	-20.15	42.98	74.00	-31.02	Peak
2	2483.5	V	--	-20.15	--	54.00	--	Avg
Note:	1. Means other frequency and mode comply with standard requirements and at least have 20dB margin. 2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain. Result=Reading + Correct Factor. Margin= Result-Limit. 3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out.							

Frequency Range : 2310MHz~2410MHz								
Test Mode : 8DPSK TX 2402MHz								
No.	Freq MHz	Polarity	Reading (dBuV/m)	Correct Factor	Result (dBuV/m)	Limit (dBuV/m)	Margin	Remark
1	2390	H	58.66	-20.45	38.21	74.00	-35.79	Peak
2	2390	H	--	-20.45	--	54.00	--	Avg
3	2400	H	61.56	-20.41	41.15	74.00	-32.85	Peak
4	2400	H	--	-20.41	--	54.00	--	Avg
1	2390	V	62.33	-20.45	41.88	74.00	-32.12	Peak
2	2390	V	--	-20.45	--	54.00	--	Avg
3	2400	V	62.77	-20.41	42.36	74.00	-31.64	Peak
4	2400	V	--	-20.41	--	54.00	--	Avg
Frequency Range : 2450MHz~2550MHz								
Test Mode : 8DPSK TX 2480MHz								
1	2483.5	H	61.63	-20.15	41.48	74.00	-32.52	Peak
2	2483.5	H	--	-20.15	--	54.00	--	Avg
1	2483.5	V	65.52	-20.15	45.37	74.00	-28.63	Peak
2	2483.5	V	--	-20.15	--	54.00	--	Avg
Note: 1. Means other frequency and mode comply with standard requirements and at least have 20dB margin. 2. Correct Factor=Cable Loss+ Antenna Factor-Amplifier Gain. Result=Reading + Correct Factor. Margin= Result-Limit. 3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out.								

11. Power Line Conducted Emissions

11.1. Block Diagram of Test Setup



11.2. Limit

Frequency	Maximum RF Line Voltage	
	Quasi-Peak Level dB(μ V)	Average Level dB(μ V)
150kHz ~ 500kHz	66 ~ 56*	56 ~ 46*
500kHz ~ 5MHz	56	46
5MHz ~ 30MHz	60	50

Notes: 1. * Decreasing linearly with logarithm of frequency.

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

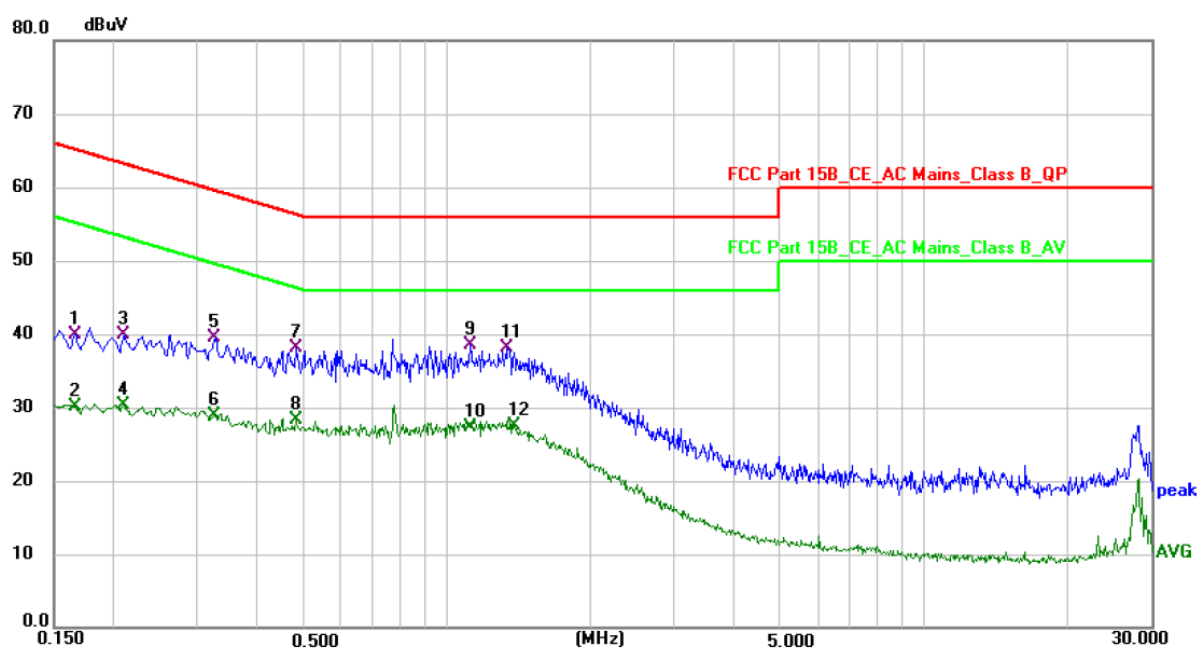
11.3. Test Procedure

- (1) The EUT was placed on a non-metallic table, 80cm above the ground plane.
- (2) Setup the EUT and simulator as shown in 10.1
- (3) The EUT Power connected to the power mains through a power adapter and a line impedance stabilization network (L.I.S.N1). The other peripheral devices power cord connected to the power mains through a line impedance stabilization network (L.I.S.N2), this provided a 50-ohm coupling impedance for the EUT (Please refer to the block diagram of the test setup and photographs). Both sides of power line were checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.10:2020on conducted Emission test.
- (4) The bandwidth of test receiver is set at 10KHz.
- (5) The frequency range from 150 KHz to 30MHz is checked.

11.4. Test Results

Right:	
Test Date : 2025.09.26	Temperature : 24℃
Test Engineer : Felix Pang	Humidity : 56%
Test Mode : GFSK mode	
Test Results : PASS	
Note:	1. The test results are listed in next pages. 2. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector and quasi-peak detector need not be carried out. 3. If the limits for the measurement with the average detector are met when using a receiver with a quasi-peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out. 4. All modes have been tested, and only worst data of GFSK mode, Channel 2402MHz (AC 120V/60Hz) was listed in this report.

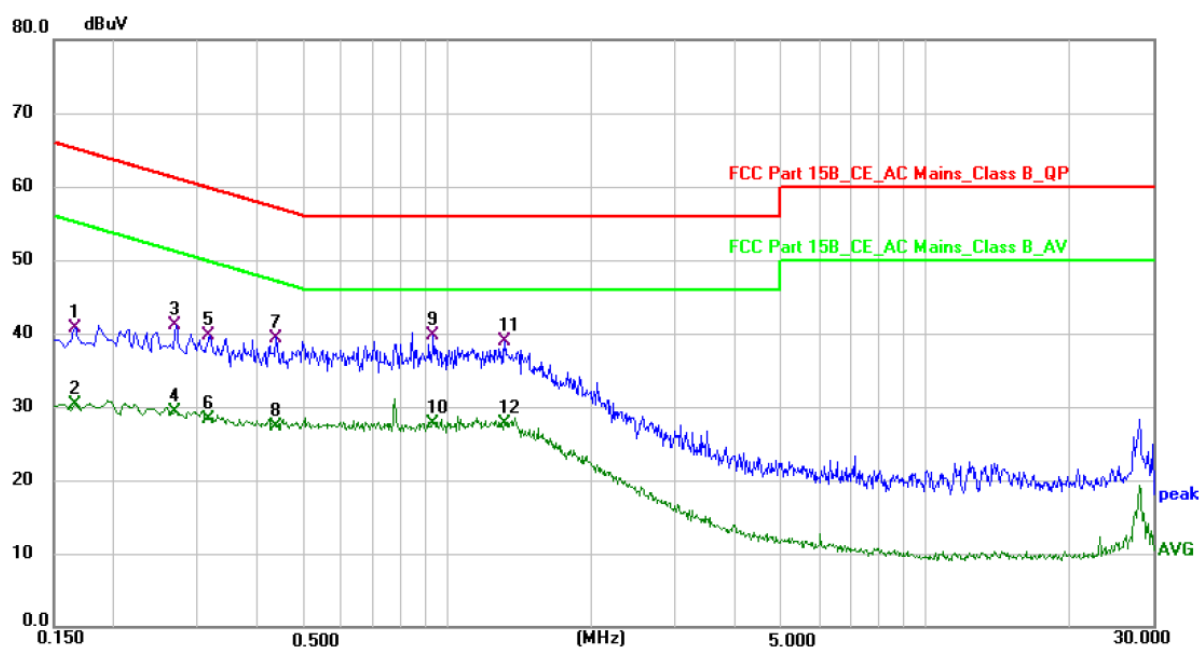
Polarization: L



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1660	30.04	9.94	39.98	65.16	-25.18	QP
2	0.1660	20.19	9.94	30.13	55.16	-25.03	AVG
3	0.2100	29.98	9.95	39.93	63.21	-23.28	QP
4	0.2100	20.30	9.95	30.25	53.21	-22.96	AVG
5	0.3260	29.68	9.89	39.57	59.55	-19.98	QP
6	0.3260	18.96	9.89	28.85	49.55	-20.70	AVG
7	0.4820	28.33	9.86	38.19	56.30	-18.11	QP
8	0.4820	18.38	9.86	28.24	46.30	-18.06	AVG
9 *	1.1220	29.04	9.41	38.45	56.00	-17.55	QP
10	1.1220	17.93	9.41	27.34	46.00	-18.66	AVG
11	1.3380	28.73	9.40	38.13	56.00	-17.87	QP
12	1.3820	18.01	9.40	27.41	46.00	-18.59	AVG

Note: Level = Reading + Factor Margin = Level - Limit

Polarization: N

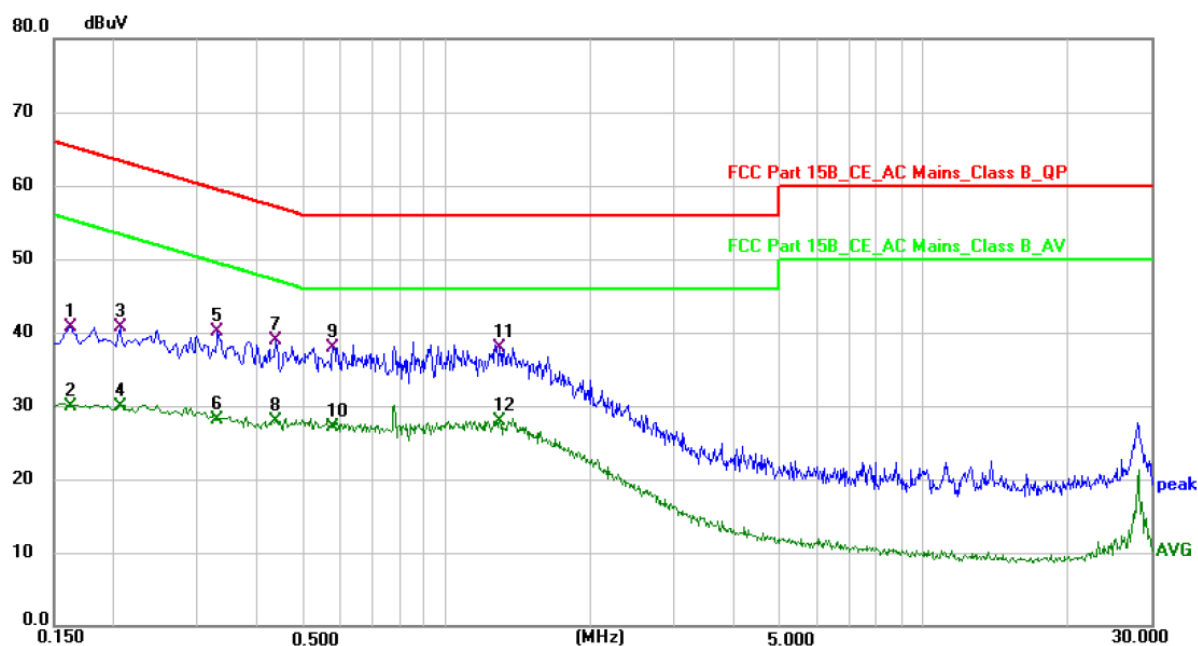


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1660	30.90	9.86	40.76	65.16	-24.40	QP
2	0.1660	20.46	9.86	30.32	55.16	-24.84	AVG
3	0.2700	31.22	9.86	41.08	61.12	-20.04	QP
4	0.2700	19.48	9.86	29.34	51.12	-21.78	AVG
5	0.3180	29.95	9.74	39.69	59.76	-20.07	QP
6	0.3180	18.65	9.74	28.39	49.76	-21.37	AVG
7	0.4380	29.76	9.64	39.40	57.10	-17.70	QP
8	0.4380	17.62	9.64	27.26	47.10	-19.84	AVG
9 *	0.9340	30.17	9.57	39.74	56.00	-16.26	QP
10	0.9340	18.06	9.57	27.63	46.00	-18.37	AVG
11	1.3180	29.45	9.43	38.88	56.00	-17.12	QP
12	1.3180	18.34	9.43	27.77	46.00	-18.23	AVG

Note: Level = Reading + Factor Margin = Level - Limit

Left:	
Test Date : 2025.09.26	Temperature : 24℃
Test Engineer : Felix Pang	Humidity : 56%
Test Mode : GFSK mode	
Test Results : PASS	
Note:	1. The test results are listed in next pages. 2. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector and quasi-peak detector need not be carried out. 3. If the limits for the measurement with the average detector are met when using a receiver with a quasi-peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out. 4. All modes have been tested, and only worst data of GFSK mode, Channel 2402MHz (AC 120V/60Hz) was listed in this report.

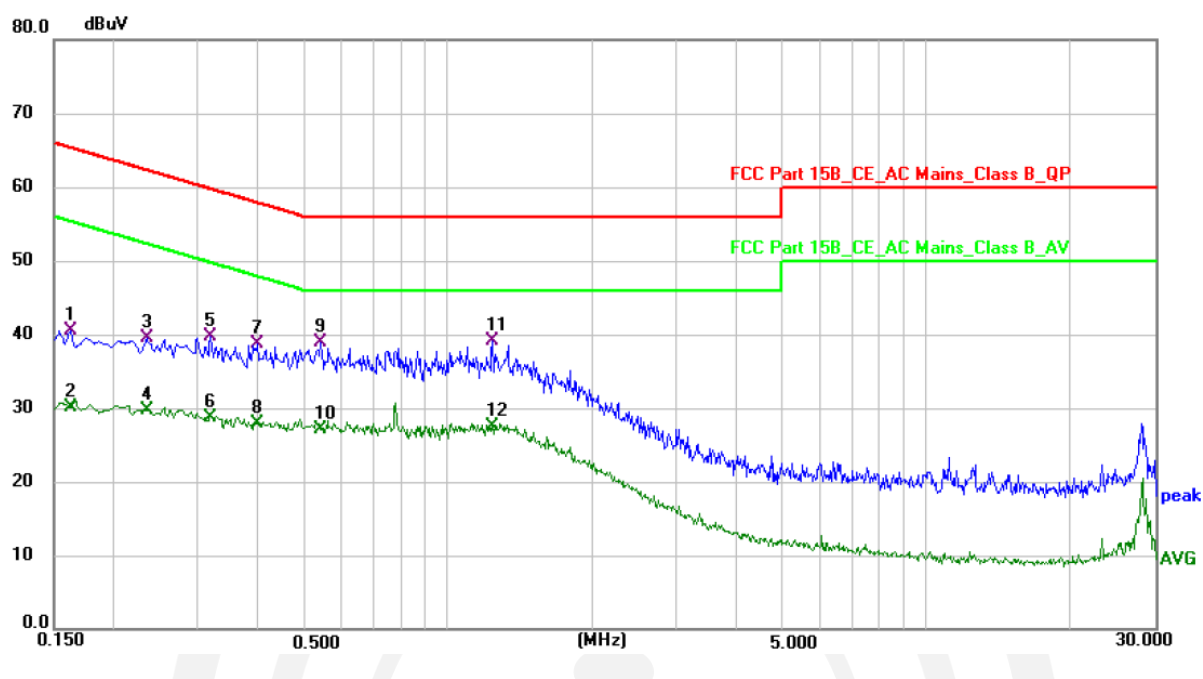
Polarization: L



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1620	30.85	9.94	40.79	65.36	-24.57	QP
2	0.1620	20.05	9.94	29.99	55.36	-25.37	AVG
3	0.2060	30.74	9.95	40.69	63.37	-22.68	QP
4	0.2060	19.94	9.95	29.89	53.37	-23.48	AVG
5	0.3300	30.13	9.88	40.01	59.45	-19.44	QP
6	0.3300	18.25	9.88	28.13	49.45	-21.32	AVG
7	0.4380	29.11	9.73	38.84	57.10	-18.26	QP
8	0.4380	18.16	9.73	27.89	47.10	-19.21	AVG
9 *	0.5780	28.24	9.72	37.96	56.00	-18.04	QP
10	0.5780	17.44	9.72	27.16	46.00	-18.84	AVG
11	1.2940	28.55	9.40	37.95	56.00	-18.05	QP
12	1.2940	18.54	9.40	27.94	46.00	-18.06	AVG

Note: Level = Reading + Factor Margin = Level - Limit

Polarization: N



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1620	30.48	9.94	40.42	65.36	-24.94	QP
2	0.1620	20.14	9.94	30.08	55.36	-25.28	AVG
3	0.2340	29.46	9.96	39.42	62.31	-22.89	QP
4	0.2340	19.78	9.96	29.74	52.31	-22.57	AVG
5	0.3180	29.77	9.92	39.69	59.76	-20.07	QP
6	0.3180	18.78	9.92	28.70	49.76	-21.06	AVG
7	0.3980	28.98	9.63	38.61	57.90	-19.29	QP
8	0.3980	18.21	9.63	27.84	47.90	-20.06	AVG
9	0.5420	29.11	9.81	38.92	56.00	-17.08	QP
10	0.5420	17.37	9.81	27.18	46.00	-18.82	AVG
11 *	1.2380	29.62	9.41	39.03	56.00	-16.97	QP
12	1.2380	18.00	9.41	27.41	46.00	-18.59	AVG

Note: Level = Reading + Factor Margin = Level - Limit

12.Frequency stability

12.1.Test limit

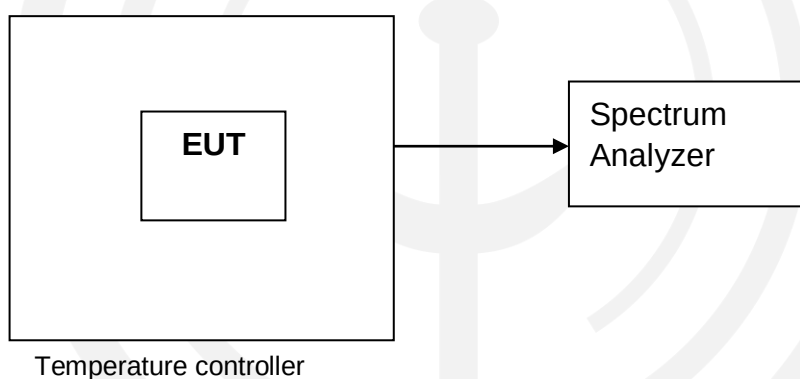
Please refer section RSS-Gen.

Regulation RSS-Gen If the frequency stability of the licence-exempt radio apparatus is not specified in the applicable RSS, the fundamental emissions of the radio apparatus should be kept within at least the central 80% of its permitted operating frequency band in order to minimize the possibility of out-of-band operation. In addition, its occupied bandwidth shall be entirely outside the restricted bands and the prohibited TV bands of 54-72 MHz, 76-88 MHz, 174-216 MHz, and 470-602 MHz, unless otherwise indicated.

12.2.Test Procedure

The following equipment are installed on the emission measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

12.3.Test Setup



12.4.Test Results

Not Applicable.

13. Antenna Requirements

13.1.Limit

For intentional device, according to FCC 47 CFR Section 15.203 and RSS-GEN, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

13.2.Result

The EUT antenna is internal antenna. It complies with the standard requirement.



14.Photos of test setup

Reference to the **appendix I Test Setup Photo** for details.

15.Photos of EUT

Reference to the **appendix II external photos** and **appendix III internal photos** for details.

----- END OF REPORT-----

