

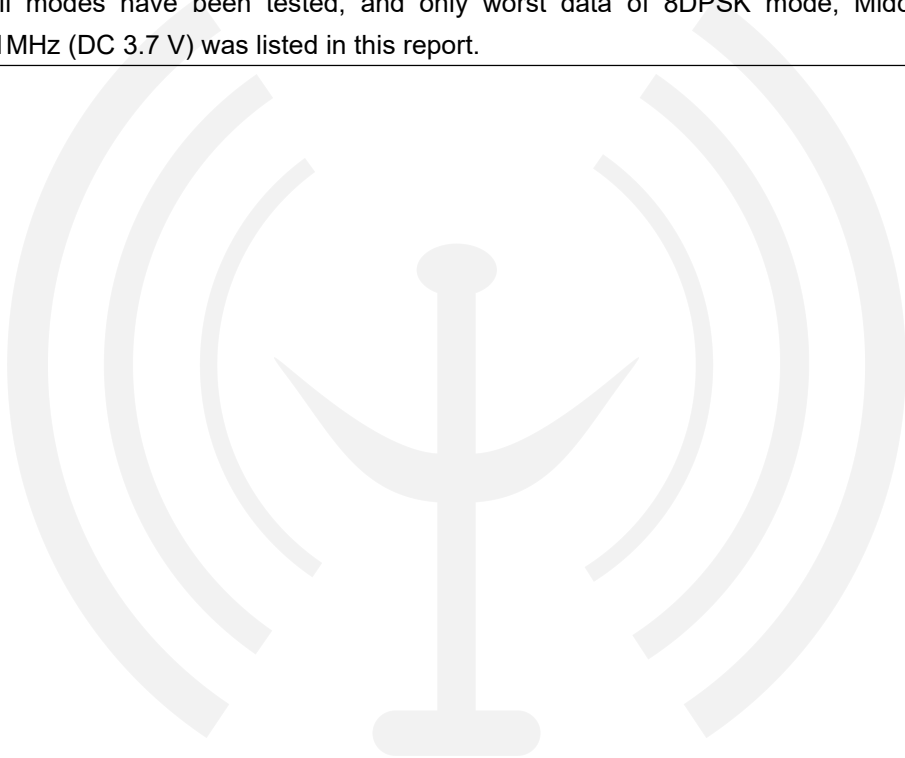
9.3. Test Procedure

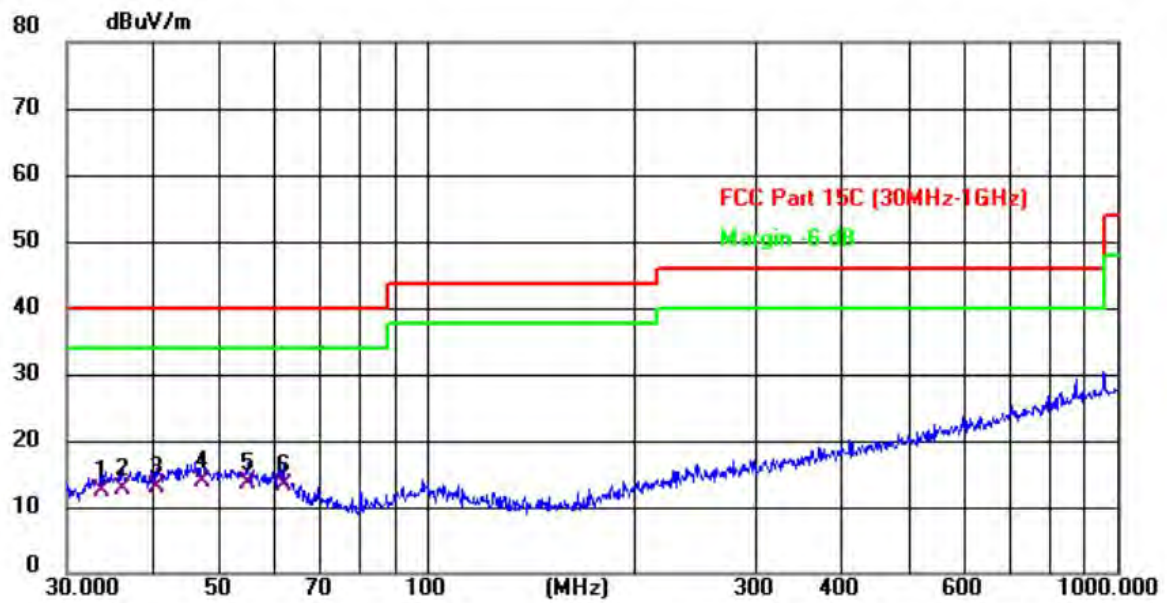
- (1) EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber.
- (2) Setup EUT and simulator
- (3) Test antenna was located 3m from the EUT on an adjustable mast. Below pre-scan procedure was first performed in order to find prominent radiated emissions.
 - (a) Change work frequency or channel of device if practicable.
 - (b) Change modulation type of device if practicable.
 - (c) Rotated EUT through three orthogonal axes to determine the attitude of EUT arrangement produces highest emissions
- (4) Spectrum frequency from 9KHz to 25GHz (tenth harmonic of fundamental frequency) was investigated
- (5) For final emissions measurements at each frequency of interest, the EUT were rotated and the antenna height was varied between 1m and 4m 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 equipments and all of the interface cables were changed according to ANSI C63.10:2013 on Radiated Emission test.
- (6) For emissions above 1GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1MHz, VBW is set at 3MHz for Peak measure; RBW is set at 1MHz, VBW is set at 10Hz for Average measure.

9.4. Test Results

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

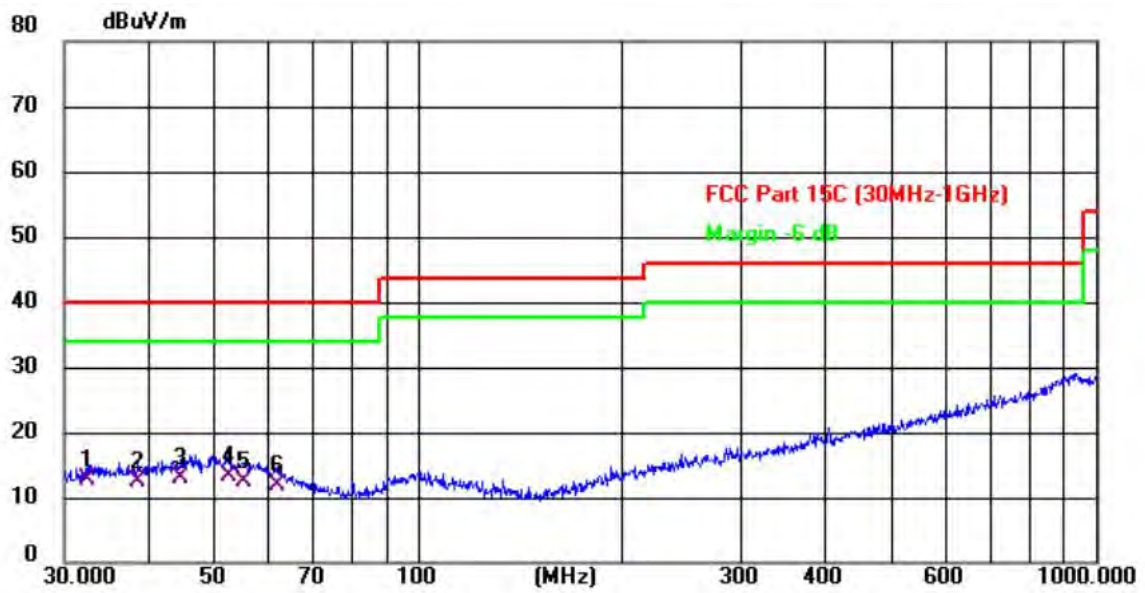
From 30MHz to 1000MHz:	
Test Date : 2025.6.18	Temperature : 24.2℃
Test Engineer : Felix Pang	Humidity : 53.1%
Test Mode : 8DPSK mode	Left earphone
Test Results : PASS	
Note:	1. The test results are listed in next pages. 2. If the limits for the measurement with the average detector are met when using 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. All modes have been tested, and only worst data of 8DPSK mode, Middle Channel 2441MHz (DC 3.7 V) was listed in this report.



Polarization: Vertical

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	33.6802	23.55	-11.02	12.53	40.00	-27.47	QP
2	36.2540	23.44	-10.66	12.78	40.00	-27.22	QP
3	40.4170	23.04	-10.11	12.93	40.00	-27.07	QP
4 *	47.1598	23.39	-9.51	13.88	40.00	-26.12	QP
5	54.8348	23.60	-9.91	13.69	40.00	-26.31	QP
6	61.7780	24.42	-11.08	13.34	40.00	-26.66	QP

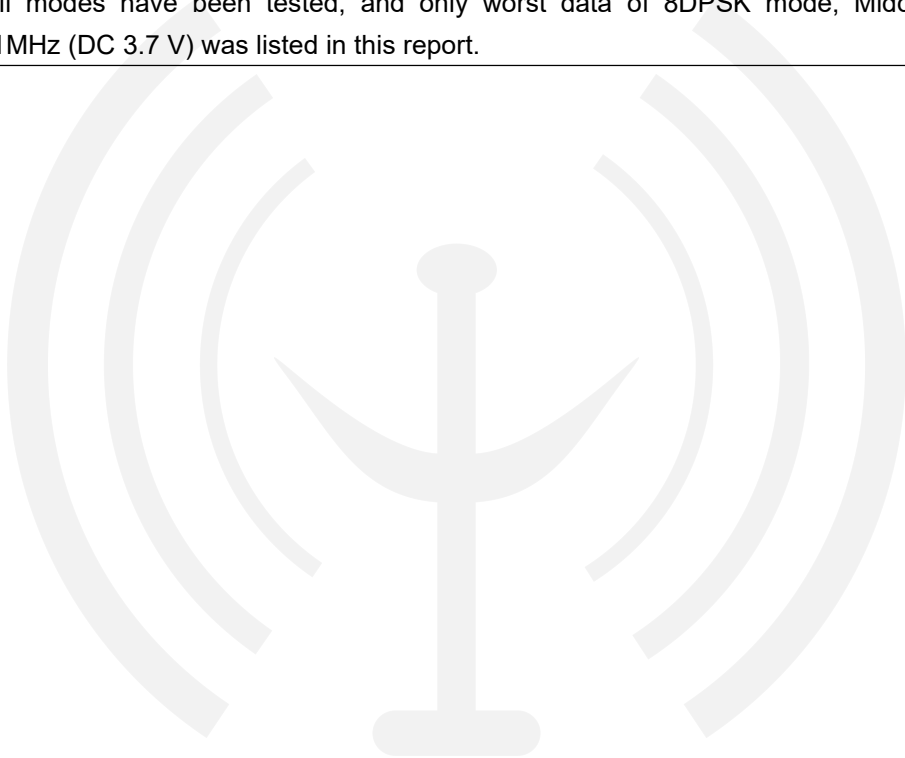
Note: 1.Level = Reading + Factor Margin = Level - Limit

Polarization: Horizontal

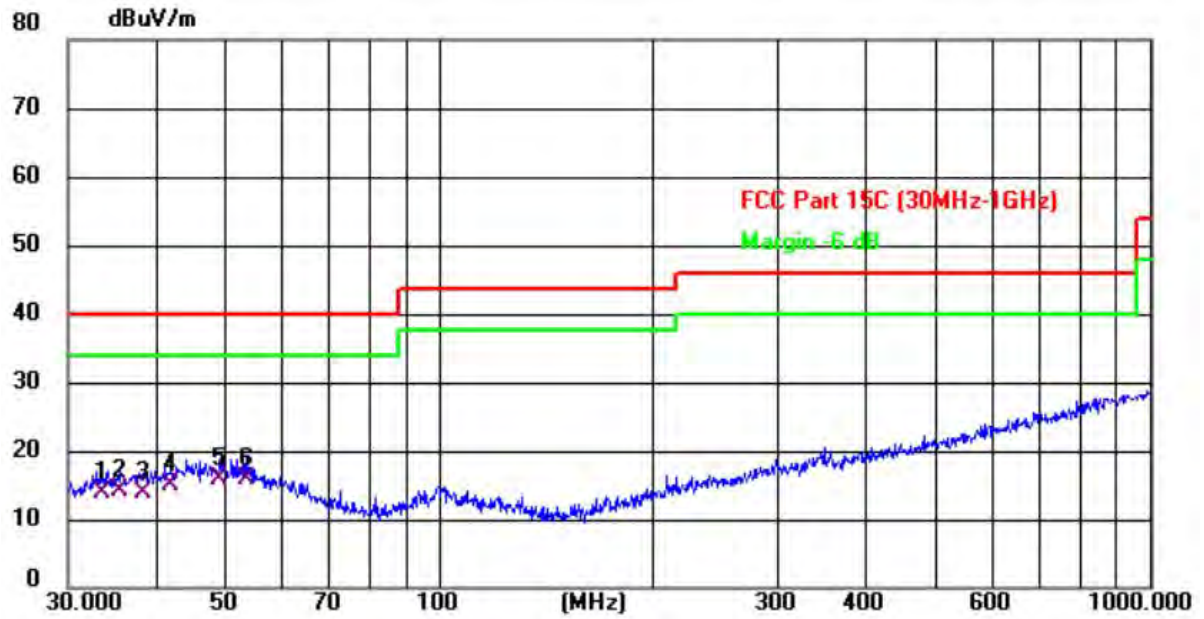
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	32.4060	23.85	-11.20	12.65	40.00	-27.35	QP
2	38.6160	22.85	-10.33	12.52	40.00	-27.48	QP
3	44.5867	22.61	-9.73	12.88	40.00	-27.12	QP
4 *	52.3911	22.96	-9.57	13.39	40.00	-26.61	QP
5	55.2207	22.26	-9.96	12.30	40.00	-27.70	QP
6	61.7780	22.91	-11.08	11.83	40.00	-28.17	QP

Note: 1.Level = Reading + Factor Margin = Level - Limit

From 30MHz to 1000MHz:	
Test Date : 2025.6.18	Temperature : 24.2℃
Test Engineer : Felix Pang	Humidity : 53.1%
Test Mode : 8DPSK mode	Right earphone
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. All modes have been tested, and only worst data of 8DPSK mode, Middle Channel 2441MHz (DC 3.7 V) was listed in this report.



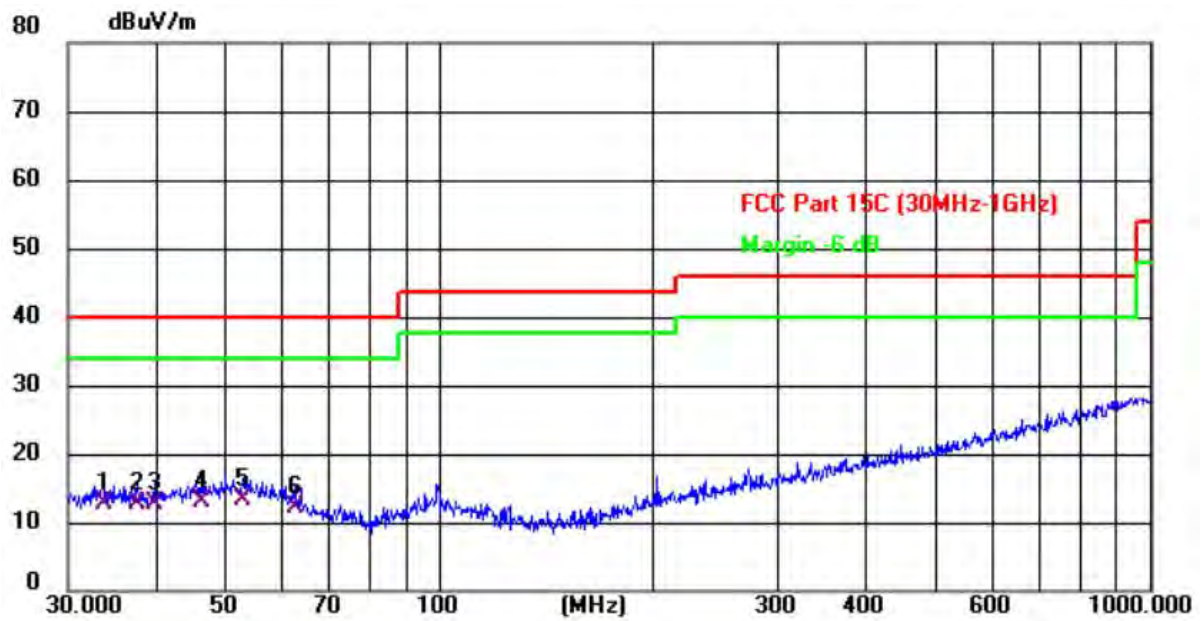
Polarization: Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	33.5623	25.02	-11.04	13.98	40.00	-26.02	QP
2	35.3750	24.92	-10.79	14.13	40.00	-25.87	QP
3	38.2120	24.18	-10.39	13.79	40.00	-26.21	QP
4	41.8594	24.86	-9.98	14.88	40.00	-25.12	QP
5	49.0144	25.14	-9.34	15.80	40.00	-24.20	QP
6 *	53.6931	25.68	-9.76	15.92	40.00	-24.08	QP

Note: 1. Level = Reading + Factor Margin = Level - Limit

Polarization: Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	33.7986	23.75	-11.01	12.74	40.00	-27.26	QP
2	37.5478	23.07	-10.48	12.59	40.00	-27.41	QP
3	39.7146	22.94	-10.18	12.76	40.00	-27.24	QP
4	46.1779	22.58	-9.58	13.00	40.00	-27.00	QP
5 *	52.9453	22.98	-9.65	13.33	40.00	-26.67	QP
6	62.6506	23.48	-11.32	12.16	40.00	-27.84	QP

Note: 1. Level = Reading + Factor Margin = Level - Limit

From 1GHz to 25GHz:	
Test Date : 2025.6.18	Temperature : 24.2℃
Test Engineer : Felix Pang	Humidity : 53.1%
Test Mode : GFSK, $\pi/4$ DQPSK, 8DPSK mode	Left earphone
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.



Test Mode : GFSK TX Low								
No.	Freq MHz	Polarity	Reading (dBuV/m)	Correct Factor	Result (dBuV/m)	Limit (dBuV/m)	Margin	Remark
1	4804	V	58.91	-13.25	45.66	74	-28.34	Peak
2	4804	V	47.52	-13.25	34.27	54	-19.73	Avg
3	7206	--	--	--	--	--	--	--
4	9608	--	--	--	--	--	--	--
5	4804	H	58.73	-13.25	45.48	74	-28.52	Peak
6	4804	H	47.91	-13.25	34.66	54	-19.34	Avg
7	7206	--	--	--	--	--	--	--
8	9608	--	--	--	--	--	--	--
Test Mode : GFSK TX Mid								
1	4882	V	59.05	-12.98	46.07	74	-27.93	Peak
2	4882	V	48.18	-12.98	35.2	54	-18.8	Avg
3	7323	--	--	--	--	--	--	--
4	9764	--	--	--	--	--	--	--
5	4882	H	58.71	-12.98	45.73	74	-28.27	Peak
6	4882	H	48.32	-12.98	35.34	54	-18.66	Avg
7	7323	--	--	--	--	--	--	--
8	9764	--	--	--	--	--	--	--
Test Mode : GFSK TX High								
1	4960	V	57.96	-12.7	45.26	74	-28.74	Peak
2	4960	V	47.54	-12.7	34.84	54	-19.16	Avg
3	7440	--	--	--	--	--	--	--
4	9920	--	--	--	--	--	--	--
5	4960	H	58.52	-12.7	46.5	74	-27.5	Peak
6	4960	H	48.72	-12.7	34.82	54	-19.18	Avg
7	7440	--	--	--	--	--	--	--
8	9920	--	--	--	--	--	--	--
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.							

Test Mode : $\pi/4$ DQPSK TX Low								
No.	Freq MHz	Polarity	Reading (dBuV/m)	Correct Factor	Result (dBuV/m)	Limit (dBuV/m)	Margin	Remark
1	4804	V	57.85	-13.25	44.6	74	-29.4	Peak
2	4804	V	48.86	-13.25	35.61	54	-18.39	Avg
3	7206	--	--	--	--	--	--	--
4	9608	--	--	--	--	--	--	--
5	4804	H	58.74	-13.25	45.49	74	-28.51	Peak
6	4804	H	47.88	-13.25	34.63	54	-19.37	Avg
7	7206	--	--	--	--	--	--	--
8	9608	--	--	--	--	--	--	--
Test Mode : $\pi/4$ DQPSK TX Mid								
1	4882	V	59.93	-12.98	46.95	74	-27.05	Peak
2	4882	V	48.51	-12.98	35.53	54	-18.47	Avg
3	7323	--	--	--	--	--	--	--
4	9764	--	--	--	--	--	--	--
5	4882	H	57.97	-12.98	44.99	74	-29.01	Peak
6	4882	H	48.35	-12.98	35.37	54	-18.63	Avg
7	7323	--	--	--	--	--	--	--
8	9764	--	--	--	--	--	--	--
Test Mode : $\pi/4$ DQPSK TX High								
1	4960	V	59.88	-12.7	47.18	74	-26.82	Peak
2	4960	V	48.75	-12.7	36.05	54	-17.95	Avg
3	7440	--	--	--	--	--	--	--
4	9920	--	--	--	--	--	--	--
5	4960	H	59.84	-12.7	46.5	74	-27.5	Peak
6	4960	H	47.43	-12.7	34.82	54	-19.18	Avg
7	7440	--	--	--	--	--	--	--
8	9920	--	--	--	--	--	--	--
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.								

Test Mode : 8DPSK TX Low								
No.	Freq MHz	Polarity	Reading (dBuV/m)	Correct Factor	Result (dBuV/m)	Limit (dBuV/m)	Margin	Remark
1	4804	V	58.76	-13.25	45.51	74	-28.49	Peak
2	4804	V	47.71	-13.25	34.46	54	-19.54	Avg
3	7206	--	--	--	--	--	--	--
4	9608	--	--	--	--	--	--	--
5	4804	H	59.56	-13.25	46.31	74	-27.69	Peak
6	4804	H	48.27	-13.25	35.02	54	-18.98	Avg
7	7206	--	--	--	--	--	--	--
8	9608	--	--	--	--	--	--	--
Test Mode : 8DPSK TX Mid								
1	4882	V	58.92	-12.98	45.94	74	-28.06	Peak
2	4882	V	47.58	-12.98	34.6	54	-19.4	Avg
3	7323	--	--	--	--	--	--	--
4	9764	--	--	--	--	--	--	--
5	4882	H	57.97	-12.98	44.99	74	-29.01	Peak
6	4882	H	47.84	-12.98	34.86	54	-19.14	Avg
7	7323	--	--	--	--	--	--	--
8	9764	--	--	--	--	--	--	--
Test Mode : 8D PSK TX High								
1	4960	V	59.99	-12.7	47.29	74	-26.71	Peak
2	4960	V	48.96	-12.7	36.26	54	-17.74	Avg
3	7440	--	--	--	--	--	--	--
4	9920	--	--	--	--	--	--	--
5	4960	H	59.6	-12.7	46.5	74	-27.5	Peak
6	4960	H	48.68	-12.7	34.82	54	-19.18	Avg
7	7440	--	--	--	--	--	--	--
8	9920	--	--	--	--	--	--	--
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.								

From 1GHz to 25GHz:	
Test Date : 2025.6.18	Temperature : 24.2℃
Test Engineer : Felix Pang	Humidity : 53.1%
Test Mode : GFSK, $\pi/4$ DQPSK, 8DPSK mode	Right earphone
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.



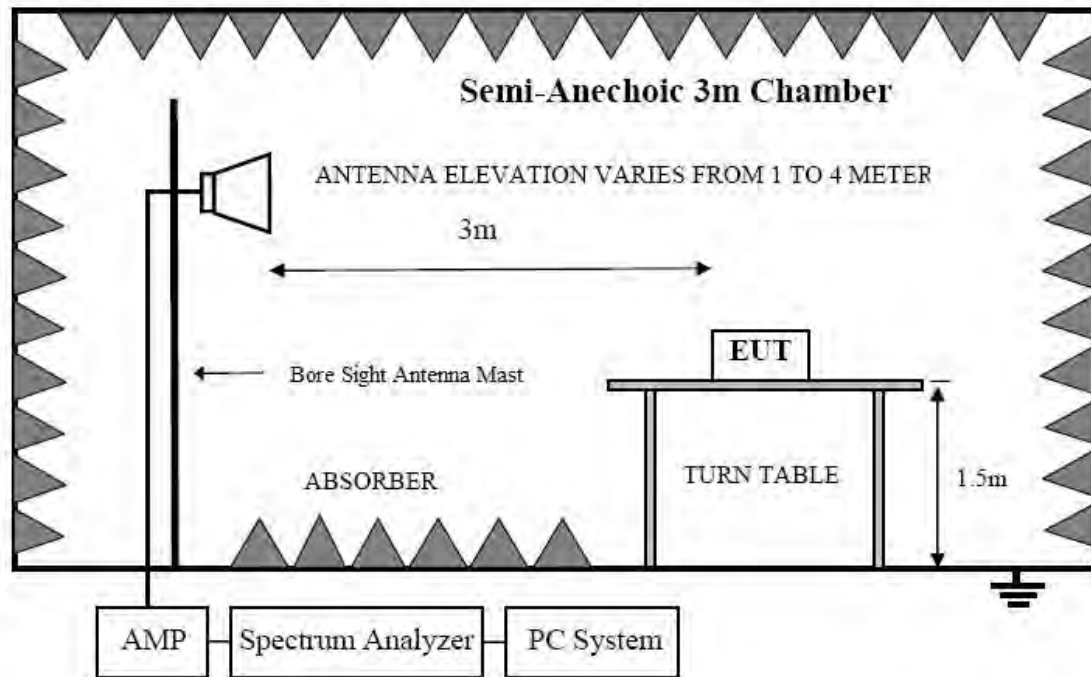
Test Mode : GFSK TX Low								
No.	Freq MHz	Polarity	Reading (dBuV/m)	Correct Factor	Result (dBuV/m)	Limit (dBuV/m)	Margin	Remark
1	4804	V	58.97	-13.25	45.72	74	-28.28	Peak
2	4804	V	47.54	-13.25	34.29	54	-19.71	Avg
3	7206	--	--	--	--	--	--	--
4	9608	--	--	--	--	--	--	--
5	4804	H	59.92	-13.25	46.67	74	-27.33	Peak
6	4804	H	48.18	-13.25	34.93	54	-19.07	Avg
7	7206	--	--	--	--	--	--	--
8	9608	--	--	--	--	--	--	--
Test Mode : GFSK TX Mid								
1	4882	V	59.46	-12.98	46.48	74	-27.52	Peak
2	4882	V	48.52	-12.98	35.54	54	-18.46	Avg
3	7323	--	--	--	--	--	--	--
4	9764	--	--	--	--	--	--	--
5	4882	H	59.04	-12.98	46.06	74	-27.94	Peak
6	4882	H	47.2	-12.98	34.22	54	-19.78	Avg
7	7323	--	--	--	--	--	--	--
8	9764	--	--	--	--	--	--	--
Test Mode : GFSK TX High								
1	4960	V	58.85	-12.7	46.15	74	-27.85	Peak
2	4960	V	47.79	-12.7	35.09	54	-18.91	Avg
3	7440	--	--	--	--	--	--	--
4	9920	--	--	--	--	--	--	--
5	4960	H	59.38	-12.7	46.68	74	-27.32	Peak
6	4960	H	47.58	-12.7	34.88	54	-19.12	Avg
7	7440	--	--	--	--	--	--	--
8	9920	--	--	--	--	--	--	--
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.								

Test Mode : $\pi/4$ DQPSK TX Low								
No.	Freq MHz	Polarity	Reading (dBuV/m)	Correct Factor	Result (dBuV/m)	Limit (dBuV/m)	Margin	Remark
1	4804	V	58.69	-13.25	45.44	74	-28.56	Peak
2	4804	V	47.57	-13.25	34.32	54	-19.68	Avg
3	7206	--	--	--	--	--	--	--
4	9608	--	--	--	--	--	--	--
5	4804	H	57.13	-13.25	43.88	74	-30.12	Peak
6	4804	H	48.05	-13.25	34.8	54	-19.2	Avg
7	7206	--	--	--	--	--	--	--
8	9608	--	--	--	--	--	--	--
Test Mode : $\pi/4$ DQPSK TX Mid								
1	4882	V	58	-12.98	45.02	74	-28.98	Peak
2	4882	V	47.13	-12.98	34.15	54	-19.85	Avg
3	7323	--	--	--	--	--	--	--
4	9764	--	--	--	--	--	--	--
5	4882	H	57.77	-12.98	44.79	74	-29.21	Peak
6	4882	H	47.44	-12.98	34.46	54	-19.54	Avg
7	7323	--	--	--	--	--	--	--
8	9764	--	--	--	--	--	--	--
Test Mode : $\pi/4$ DQPSK TX High								
1	4960	V	57.28	-12.7	44.58	74	-29.42	Peak
2	4960	V	47.41	-12.7	34.71	54	-19.29	Avg
3	7440	--	--	--	--	--	--	--
4	9920	--	--	--	--	--	--	--
5	4960	H	57.94	-12.7	45.24	74	-28.76	Peak
6	4960	H	48.24	-12.7	35.54	54	-18.46	Avg
7	7440	--	--	--	--	--	--	--
8	9920	--	--	--	--	--	--	--
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.							

Test Mode : 8DPSK TX Low								
No.	Freq MHz	Polarity	Reading (dBuV/m)	Correct Factor	Result (dBuV/m)	Limit (dBuV/m)	Margin	Remark
1	4804	V	59.71	-13.25	46.46	74	-27.54	Peak
2	4804	V	48.03	-13.25	34.78	54	-19.22	Avg
3	7206	--	--	--	--	--	--	--
4	9608	--	--	--	--	--	--	--
5	4804	H	58.78	-13.25	45.53	74	-28.47	Peak
6	4804	H	48.09	-13.25	34.84	54	-19.16	Avg
7	7206	--	--	--	--	--	--	--
8	9608	--	--	--	--	--	--	--
Test Mode : 8DPSK TX Mid								
1	4882	V	57.78	-12.98	44.8	74	-29.2	Peak
2	4882	V	47.09	-12.98	34.11	54	-19.89	Avg
3	7323	--	--	--	--	--	--	--
4	9764	--	--	--	--	--	--	--
5	4882	H	58.04	-12.98	45.06	74	-28.94	Peak
6	4882	H	47.16	-12.98	34.18	54	-19.82	Avg
7	7323	--	--	--	--	--	--	--
8	9764	--	--	--	--	--	--	--
Test Mode : 8D PSK TX High								
1	4960	V	57.5	-12.7	44.8	74	-29.2	Peak
2	4960	V	48.14	-12.7	35.44	54	-18.56	Avg
3	7440	--	--	--	--	--	--	--
4	9920	--	--	--	--	--	--	--
5	4960	H	58.73	-12.7	46.03	74	-27.97	Peak
6	4960	H	47.1	-12.7	34.4	54	-19.6	Avg
7	7440	--	--	--	--	--	--	--
8	9920	--	--	--	--	--	--	--
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.								

10. Band Edge Test

10.1. Block Diagram of Test Setup



10.2. Test Limit

Radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

Please refer section RSS-GEN&15.247.

10.3. Test Procedure

Refer to ANSI C 63.10, Clause 6.10.

All restriction band and non- restriction band have been tested, only worse case is reported.

10.4. Test Results

Test Date	: 2025.6.18	Temperature	: 24.2℃
Test Engineer	: Felix Pang	Humidity	: 53.1%
Test Results	: PASS	Left earphone	

Frequency Range : 2310MHz~2410MHz								
Test Mode : GFSK TX 2402MHz								
No.	Freq MHz	Polarity	Reading (dBuV/m)	Correct Factor	Result (dBuV/m)	Limit (dBuV/m)	Margin	Remark
1	2390	H	62.55	-20.45	42.1	74	-31.9	Peak
2	2390	H	--	-20.45	--	54	-11.9	Avg
3	2400	H	62.06	-20.41	41.65	74	-32.35	Peak
4	2400	H	--	-20.41	--	54	-12.35	Avg
1	2390	V	62.25	-20.45	41.8	74	-32.2	Peak
2	2390	V	--	-20.45	--	54	-12.2	Avg
3	2400	V	62.3	-20.41	41.89	74	-32.11	Peak
4	2400	V	--	-20.41	--	54	-12.11	Avg
Frequency Range : 2450MHz~2550MHz								
Test Mode : GFSK TX 2480MHz								
1	2483.5	H	62.18	-20.15	42.03	74	-31.97	Peak
2	2483.5	H	--	-20.15	--	54	-11.97	Avg
1	2483.5	V	62.9	-20.15	42.75	74	-31.25	Peak
2	2483.5	V	--	-20.15	--	54	-11.25	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 : $\pi/4$ DQPSK TX 2402MHz								
No.	Freq MHz	Polarity	Reading (dBuV/m)	Correct Factor	Result (dBuV/m)	Limit (dBuV/m)	Margin	Remark
1	2390	H	62.82	-20.45	42.37	74	-31.63	Peak
2	2390	H	--	-20.45	--	54	-11.63	Avg
3	2400	H	62.06	-20.41	41.65	74	-32.35	Peak
4	2400	H	--	-20.41	--	54	-12.35	Avg
1	2390	V	62.45	-20.45	42	74	-32	Peak
2	2390	V	--	-20.45	--	54	-12	Avg
3	2400	V	62.26	-20.41	41.85	74	-32.15	Peak
4	2400	V	--	-20.41	--	54	-12.15	Avg
Frequency Range : 2450MHz~2550MHz								
Test Mode : $\pi/4$ DQPSK TX 2480MHz								
1	2483.5	H	62.97	-20.15	42.82	74	-31.18	Peak
2	2483.5	H	--	-20.15	--	54	-11.18	Avg
1	2483.5	V	62.3	-20.15	42.15	74	-31.85	Peak
2	2483.5	V	--	-20.15	--	54	-11.85	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	62.86	-20.45	42.41	74	-31.59	Peak
2	2390	H	--	-20.45	--	54	-11.59	Avg
3	2400	H	62.46	-20.41	42.05	74	-31.95	Peak
4	2400	H	--	-20.41	--	54	-11.95	Avg
1	2390	V	62.57	-20.45	42.12	74	-31.88	Peak
2	2390	V	--	-20.45	--	54	-11.88	Avg
3	2400	V	62.64	-20.41	42.23	74	-31.77	Peak
4	2400	V	--	-20.41	--	54	-11.77	Avg
Frequency Range : 2450MHz~2550MHz								
Test Mode : 8DPSK TX 2480MHz								
1	2483.5	H	62.54	-20.15	42.39	74	-31.61	Peak
2	2483.5	H	--	-20.15	--	54	-11.61	Avg
1	2483.5	V	62.07	-20.15	41.92	74	-32.08	Peak
2	2483.5	V	--	-20.15	--	54	-12.08	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.								

Test Date	: 2025.6.18	Temperature	: 24.2℃
Test Engineer	: Felix Pang	Humidity	: 53.1%
Test Results	: PASS	Right earphone	

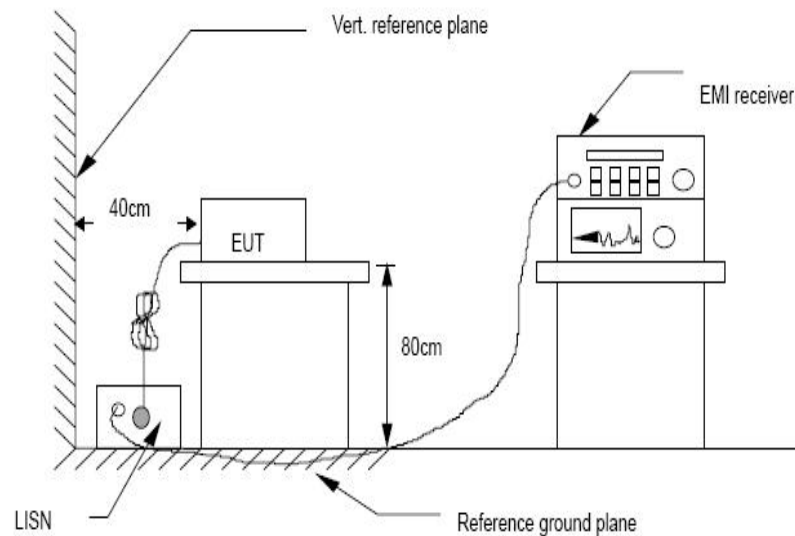
Frequency Range : 2310MHz~2410MHz								
Test Mode : GFSK TX 2402MHz								
No.	Freq MHz	Polarity	Reading (dBuV/m)	Correct Factor	Result (dBuV/m)	Limit (dBuV/m)	Margin	Remark
1	2390	H	62.96	-20.45	42.51	74	-31.49	Peak
2	2390	H	--	-20.45	--	54	-11.49	Avg
3	2400	H	62.9	-20.41	42.49	74	-31.51	Peak
4	2400	H	--	-20.41	--	54	-11.51	Avg
1	2390	V	62.69	-20.45	42.24	74	-31.76	Peak
2	2390	V	--	-20.45	--	54	-11.76	Avg
3	2400	V	62.65	-20.41	42.24	74	-31.76	Peak
4	2400	V	--	-20.41	--	54	-11.76	Avg
Frequency Range : 2450MHz~2550MHz								
Test Mode : GFSK TX 2480MHz								
1	2483.5	H	62.48	-20.15	42.33	74	-31.67	Peak
2	2483.5	H	--	-20.15	--	54	-11.67	Avg
1	2483.5	V	62.17	-20.15	42.02	74	-31.98	Peak
2	2483.5	V	--	-20.15	--	54	-11.98	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 : $\pi/4$ DQPSK TX 2402MHz								
No.	Freq MHz	Polarity	Reading (dBuV/m)	Correct Factor	Result (dBuV/m)	Limit (dBuV/m)	Margin	Remark
1	2390	H	62.38	-20.45	41.93	74	-32.07	Peak
2	2390	H	--	-20.45	--	54	-12.07	Avg
3	2400	H	62.48	-20.41	42.07	74	-31.93	Peak
4	2400	H	--	-20.41	--	54	-11.93	Avg
1	2390	V	62.69	-20.45	42.24	74	-31.76	Peak
2	2390	V	--	-20.45	--	54	-11.76	Avg
3	2400	V	62.36	-20.41	41.95	74	-32.05	Peak
4	2400	V	--	-20.41	--	54	-12.05	Avg
Frequency Range : 2450MHz~2550MHz								
Test Mode : $\pi/4$ DQPSK TX 2480MHz								
1	2483.5	H	62.75	-20.15	42.6	74	-31.4	Peak
2	2483.5	H	--	-20.15	--	54	-11.4	Avg
1	2483.5	V	62.61	-20.15	42.46	74	-31.54	Peak
2	2483.5	V	--	-20.15	--	54	-11.54	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	62.24	-20.45	41.79	74	-32.21	Peak
2	2390	H	--	-20.45	--	54	-12.21	Avg
3	2400	H	62.55	-20.41	42.14	74	-31.86	Peak
4	2400	H	--	-20.41	--	54	-11.86	Avg
1	2390	V	62.61	-20.45	42.16	74	-31.84	Peak
2	2390	V	--	-20.45	--	54	-11.84	Avg
3	2400	V	62.09	-20.41	41.68	74	-32.32	Peak
4	2400	V	--	-20.41	--	54	-12.32	Avg
Frequency Range : 2450MHz~2550MHz								
Test Mode : 8DPSK TX 2480MHz								
1	2483.5	H	62.11	-20.15	41.96	74	-32.04	Peak
2	2483.5	H	--	-20.15	--	54	-12.04	Avg
1	2483.5	V	62.16	-20.15	42.01	74	-31.99	Peak
2	2483.5	V	--	-20.15	--	54	-11.99	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 C63.10:2013on 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

Test Date	: 2025.6.20	Temperature	: 24.1℃
Test Engineer	: Felix Pang	Humidity	: 53.3%
Test Mode	: 8DPSK mode		
Test Results	N/A This product charging and Bluetooth cannot be used at the same time.		



12. Frequency stability

12.1. Test limit

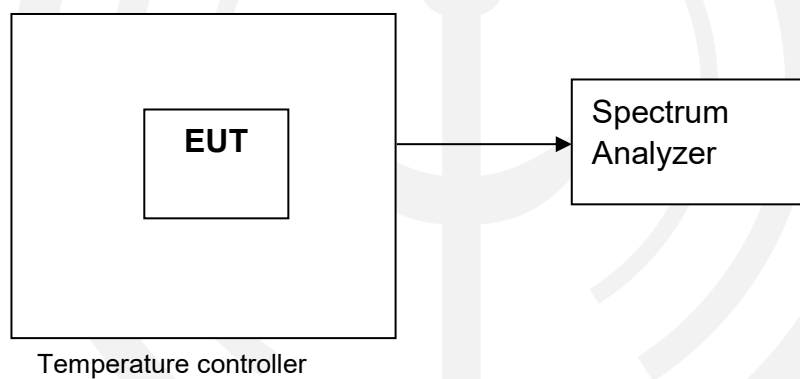
Please refer section RSS-Gen.

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 Chip 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-----

