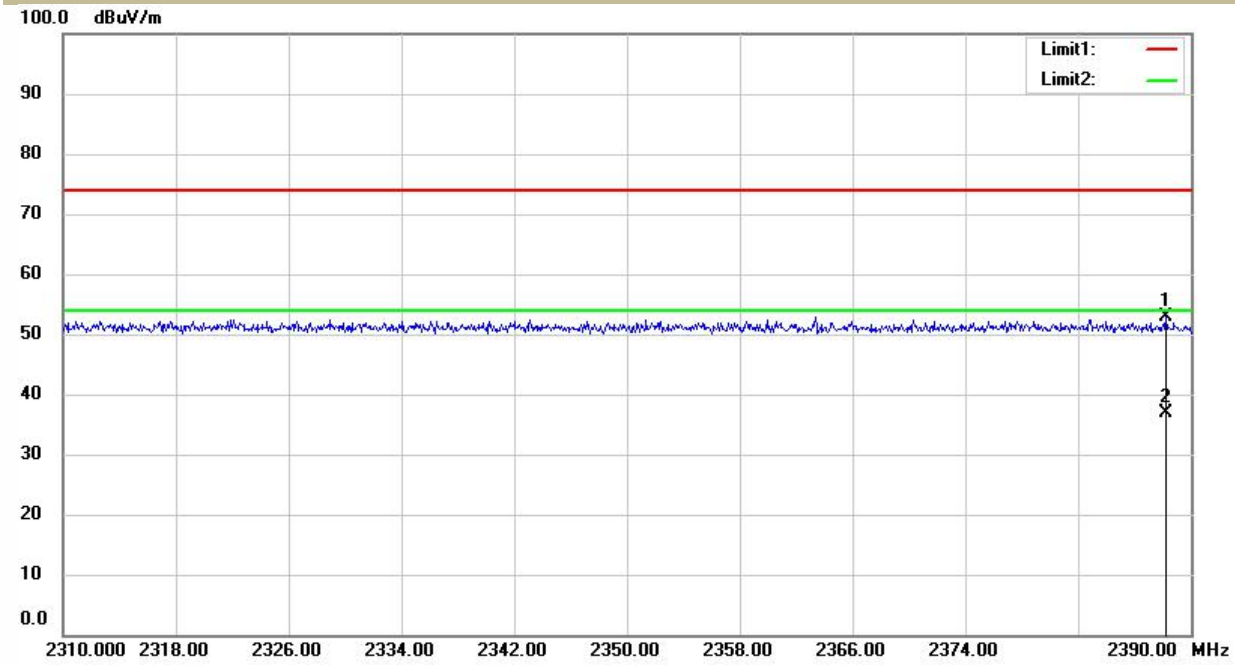
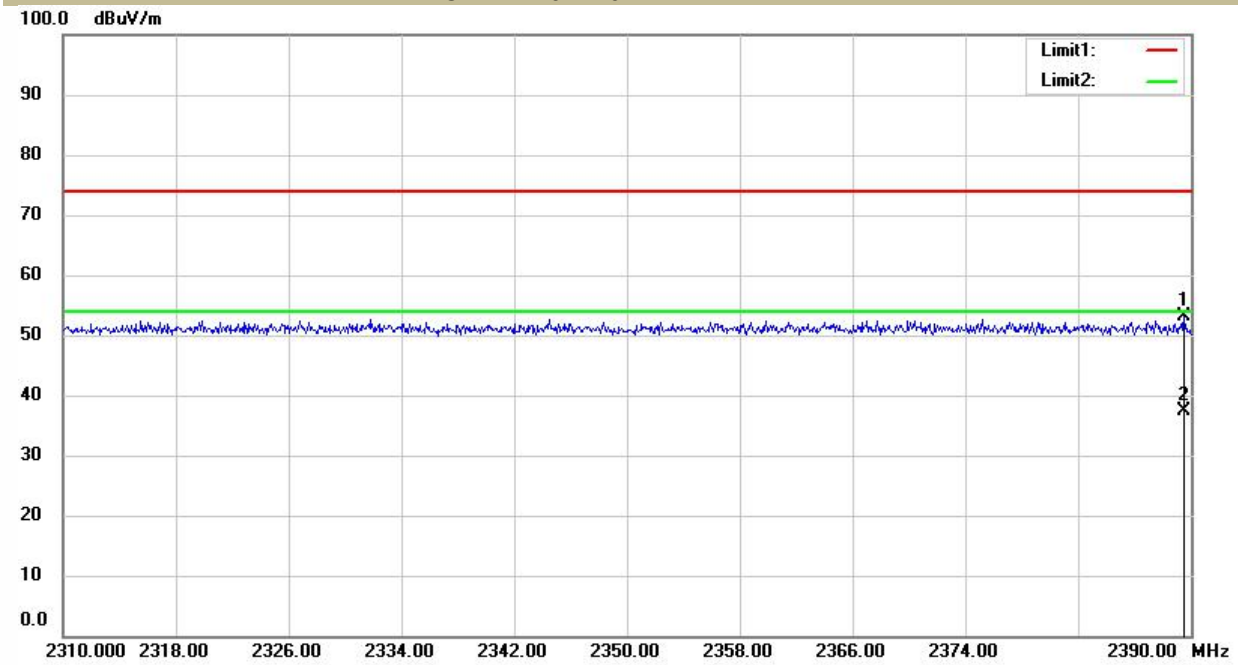
All the modulation modes were tested, the data of the worst mode are described in the following table

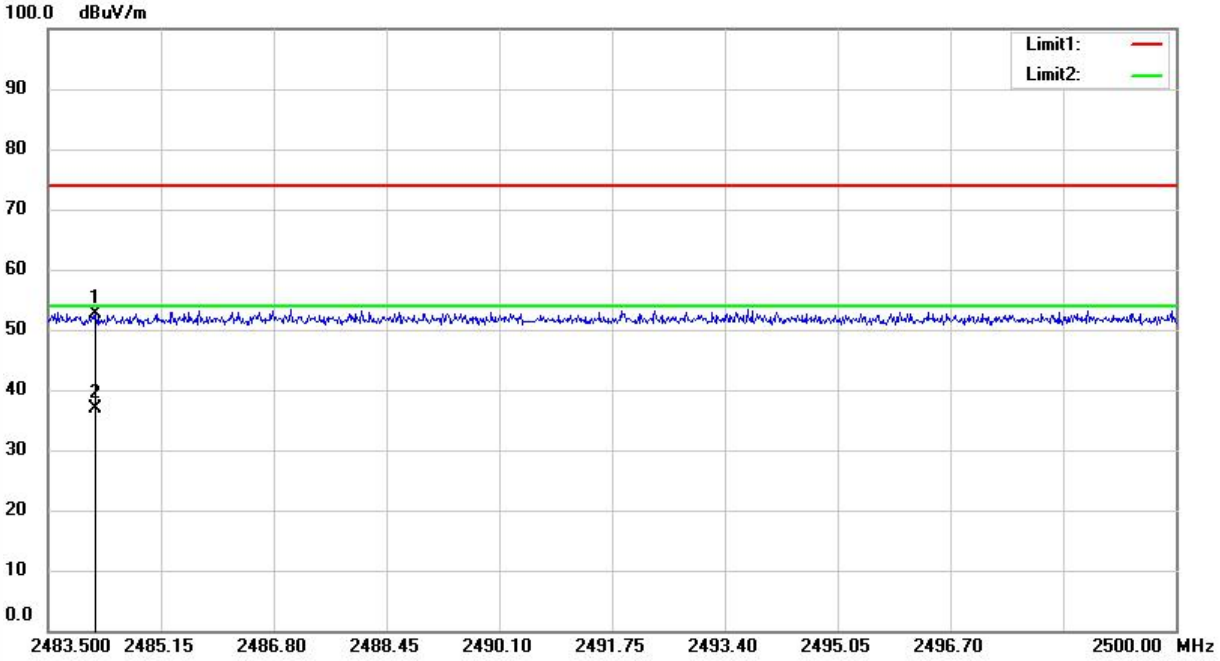
Test Model	Spurious Emission in Restricted Band 2310-2390MHz Bluetooth DTS Channel 0: 2402MHz	H



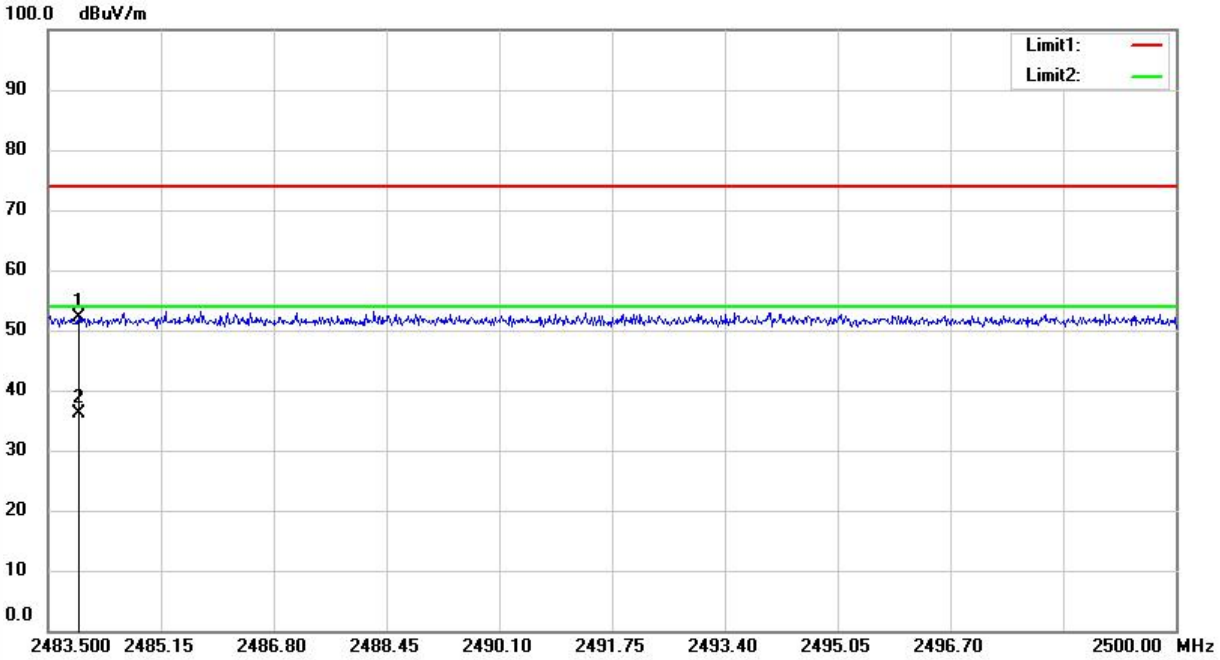
Test Model	Spurious Emission in Restricted Band 2310-2390MHz Bluetooth DTS Channel 0: 2402MHz	V



Test Model	Spurious Emission in Restricted Band 2483.5-2500MHz Bluetooth DTS Channel 39: 2480MHz	H

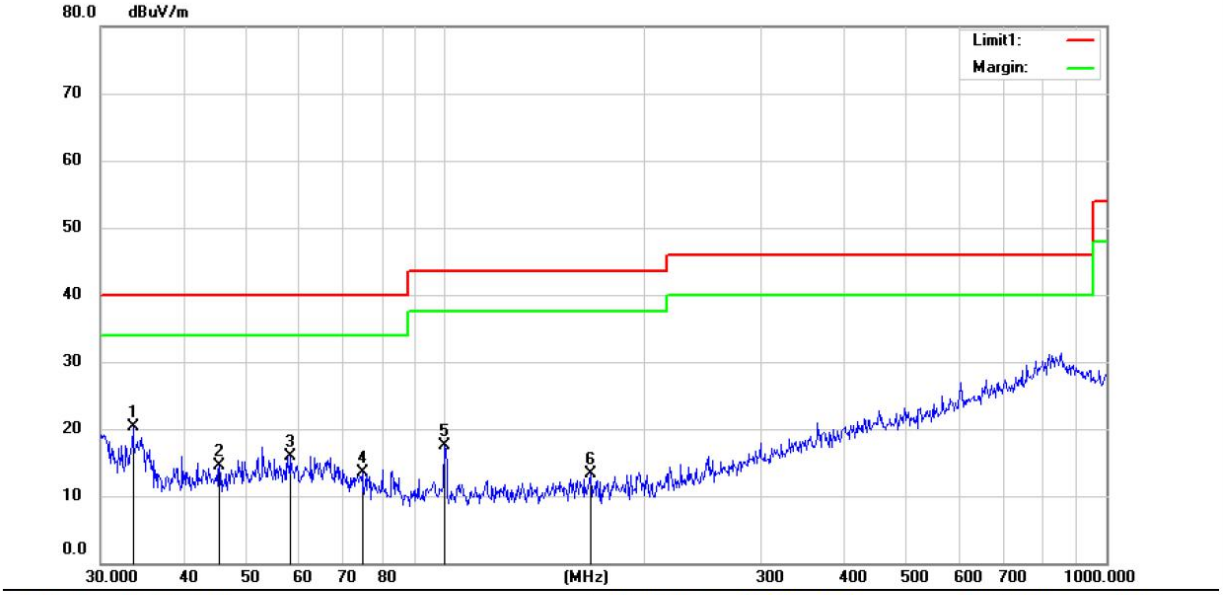


Test Model	Spurious Emission in Restricted Band 2483.5-2500MHz Bluetooth DTS Channel 39: 2480MHz	V



■ Spurious Emission below 1GHz (30MHz to 1GHz)

All modes have been tested, and the worst result recorded was report as below:



Site 3m Chamber #1 Polarization: *Horizontal* Temperature: 23.4 C

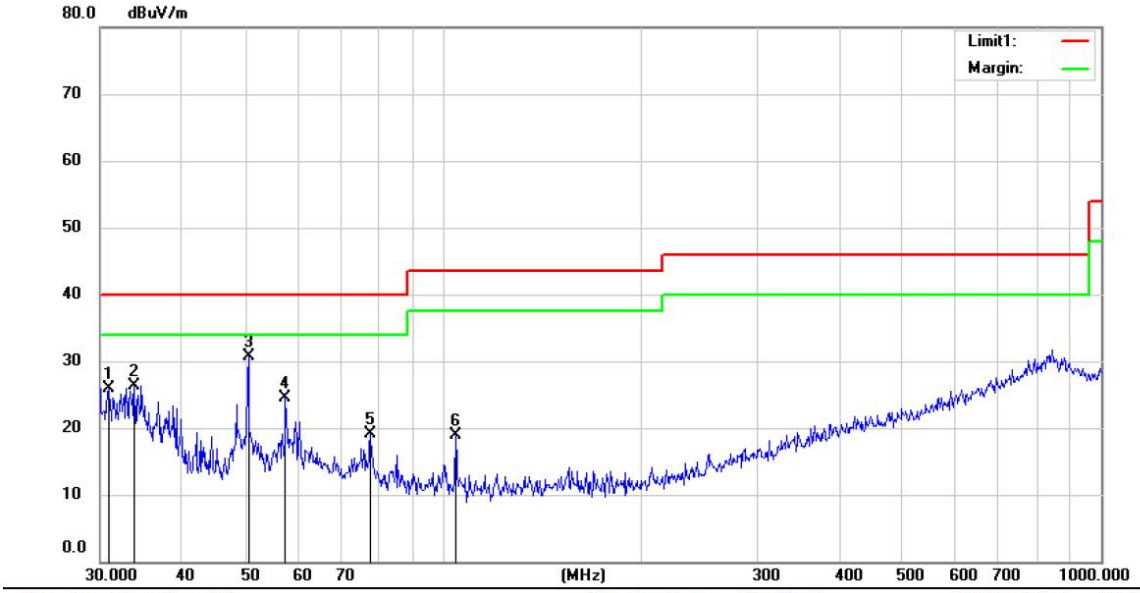
Limit: (RE)FCC PART 15 CLASS B Power: Humidity: 50 %

Mode:BLE 2402

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	33.6508	34.57	-14.20	20.37	40.00	-19.63	QP			
2		45.4352	26.91	-12.50	14.41	40.00	-25.59	QP			
3		58.2540	27.93	-12.09	15.84	40.00	-24.16	QP			
4		74.7551	27.61	-14.15	13.46	40.00	-26.54	QP			
5		99.8340	32.24	-14.76	17.48	43.50	-26.02	QP			
6		165.7045	27.59	-14.22	13.37	43.50	-30.13	QP			

*:Maximum data x:Over limit !:over margin Operator: WHZ



Site 3m Chamber #1 Polarization: *Vertical* Temperature: 23.4 C

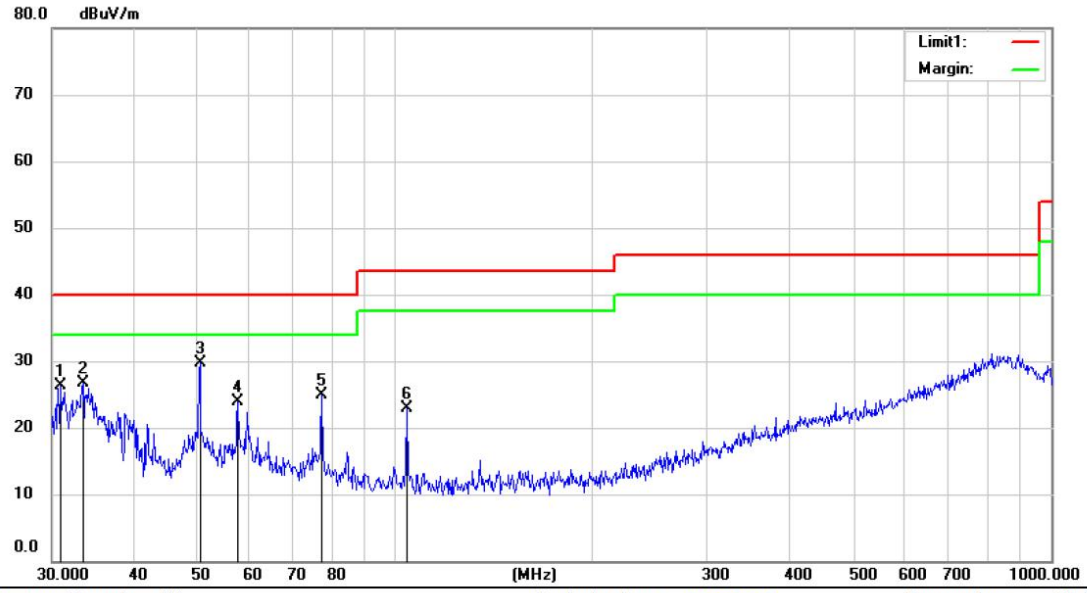
Limit: (RE)FCC PART 15 CLASS B Power: Humidity: 50 %

Mode:BLE 2402

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		30.8670	40.45	-14.53	25.92	40.00	-14.08	QP			
2		33.8135	40.44	-14.18	26.26	40.00	-13.74	QP			
3	*	50.4090	42.73	-11.96	30.77	40.00	-9.23	QP			
4		57.5687	36.50	-12.08	24.42	40.00	-15.58	QP			
5		77.3551	33.59	-14.54	19.05	40.00	-20.95	QP			
6		104.4901	33.26	-14.36	18.90	43.50	-24.60	QP			

*:Maximum data x:Over limit !:over margin Operator: WHZ



Site 3m Chamber #1 Polarization: *Vertical* Temperature: 23.4 C

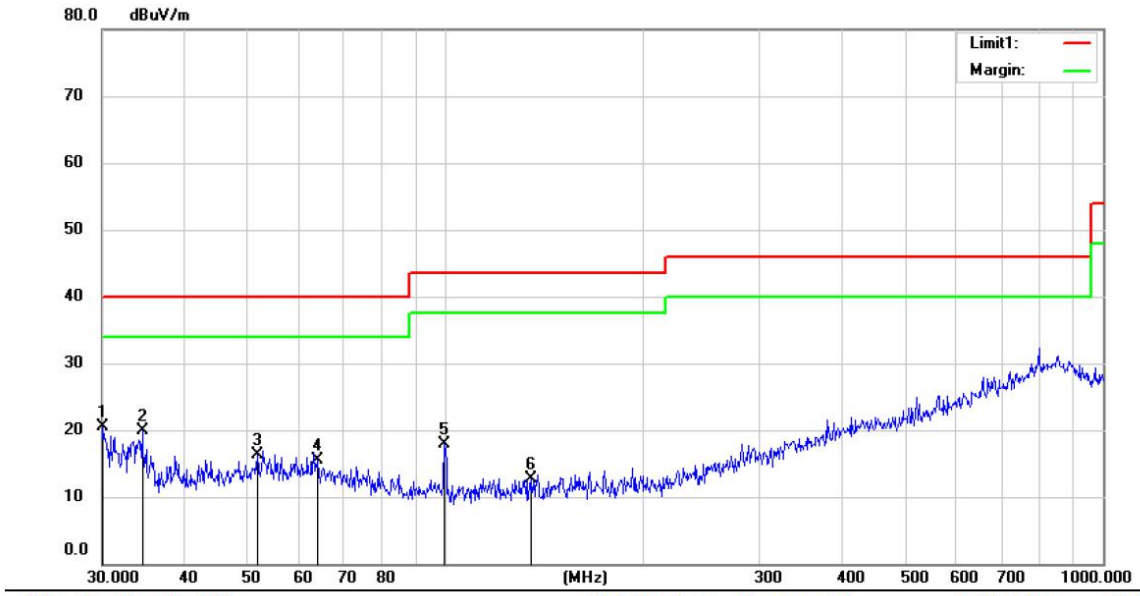
Limit: (RE)FCC PART 15 CLASS B Power: Humidity: 50 %

Mode:BLE 2440

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		30.9212	40.90	-14.52	26.38	40.00	-13.62	QP			
2		33.5330	40.98	-14.22	26.76	40.00	-13.24	QP			
3	*	50.4090	41.67	-11.96	29.71	40.00	-10.29	QP			
4		57.5940	36.02	-12.08	23.94	40.00	-16.06	QP			
5		77.4230	39.41	-14.55	24.86	40.00	-15.14	QP			
6		104.4445	37.22	-14.36	22.86	43.50	-20.64	QP			

*:Maximum data x:Over limit !:over margin Operator: WHZ



Site 3m Chamber #1 Polarization: *Horizontal* Temperature: 23.4 C

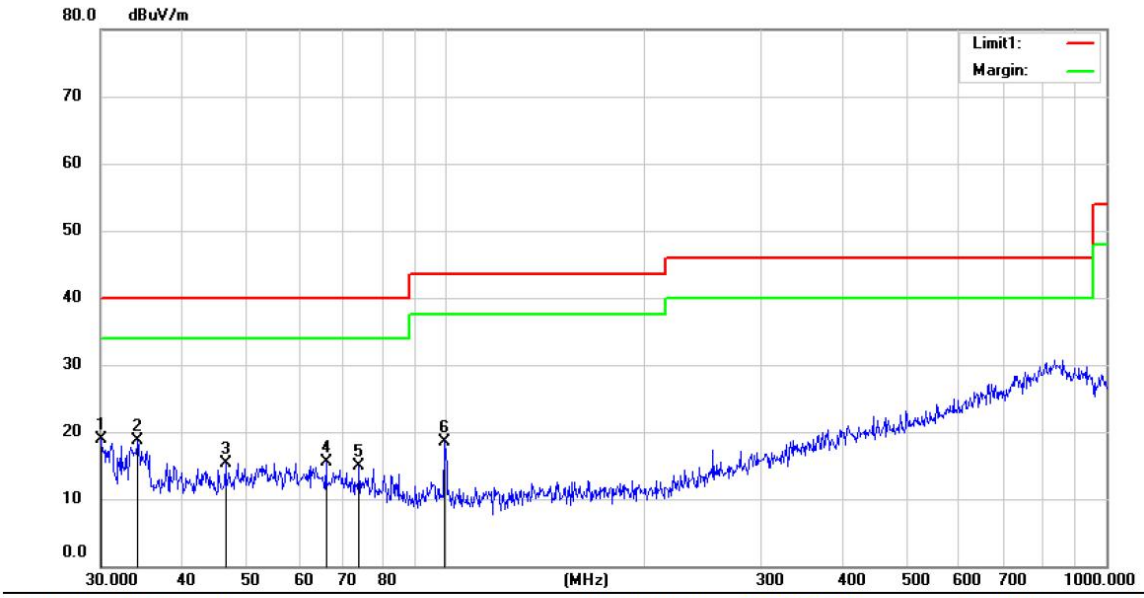
Limit: (RE)FCC PART 15 CLASS B Power: Humidity: 50 %

Mode:BLE 2440

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	30.1847	35.11	-14.57	20.54	40.00	-19.46	QP			
2		34.5324	33.80	-13.98	19.82	40.00	-20.18	QP			
3		51.7295	28.17	-11.80	16.37	40.00	-23.63	QP			
4		63.9267	27.59	-12.08	15.51	40.00	-24.49	QP			
5		99.7902	32.61	-14.76	17.85	43.50	-25.65	QP			
6		135.0320	26.80	-14.19	12.61	43.50	-30.89	QP			

*:Maximum data x:Over limit !:over margin Operator: WHZ



Site 3m Chamber #1 Polarization: *Horizontal* Temperature: 23.4 C

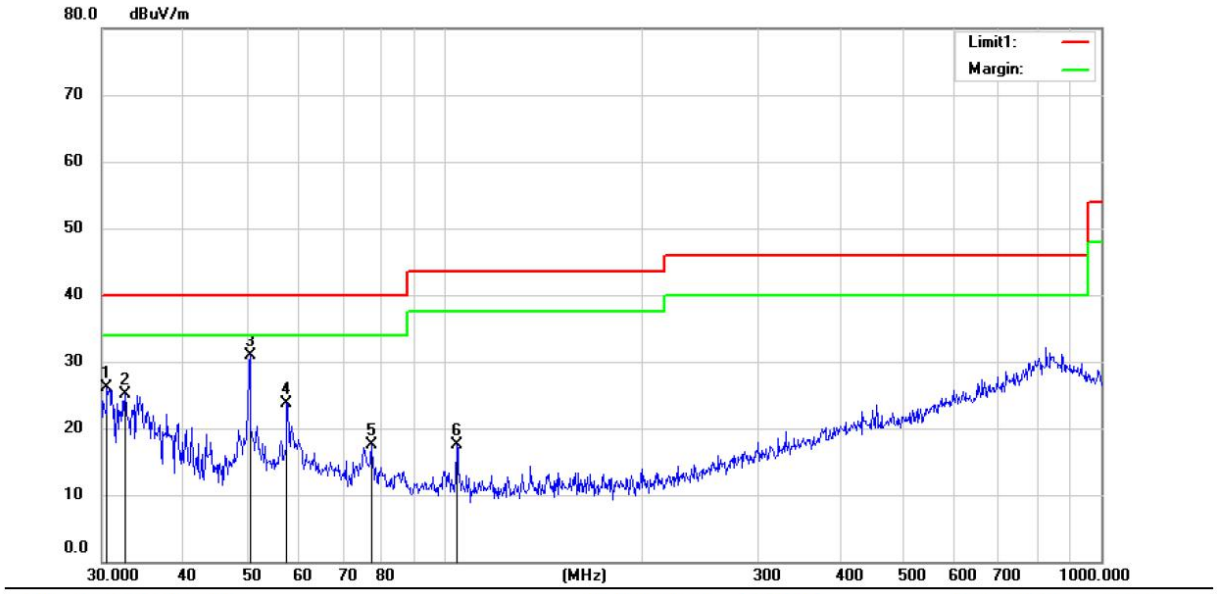
Limit: (RE)FCC PART 15 CLASS B Power: Humidity: 50 %

Mode:BLE 2480

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	30.0132	33.39	-14.58	18.81	40.00	-21.19	QP			
2		34.1561	32.87	-14.09	18.78	40.00	-21.22	QP			
3		46.3810	27.82	-12.45	15.37	40.00	-24.63	QP			
4		65.8320	27.88	-12.29	15.59	40.00	-24.41	QP			
5		73.9080	28.87	-13.96	14.91	40.00	-25.09	QP			
6		99.8340	33.30	-14.76	18.54	43.50	-24.96	QP			

*:Maximum data x:Over limit !:over margin Operator: WHZ



Site 3m Chamber #1 Polarization: *Vertical* Temperature: 23.4 C

Limit: (RE)FCC PART 15 CLASS B Power: Humidity: 50 %

Mode:BLE 2480

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		30.6110	40.69	-14.54	26.15	40.00	-13.85	QP			
2		32.5340	39.44	-14.38	25.06	40.00	-14.94	QP			
3	*	50.4090	42.90	-11.96	30.94	40.00	-9.06	QP			
4		57.5435	35.85	-12.08	23.77	40.00	-16.23	QP			
5		77.3212	32.12	-14.53	17.59	40.00	-22.41	QP			
6		104.3987	31.80	-14.37	17.43	43.50	-26.07	QP			

*:Maximum data x:Over limit !:over margin Operator: WHZ

8.6 CONDUCTED EMISSIONS TEST

8.6.1 Applicable Standard

According to FCC Part 15.207(a)

8.6.2 Conformance Limit

	Conducted Emission Limit	
Frequency(MHz)	Quasi-peak	Average
0.15-0.5	66-56	56-46
0.5-5.0	56	46
5.0-30.0	60	50

Note: 1. The lower limit shall apply at the transition frequencies
2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

8.6.3 Test Configuration

Test according to clause 7.3 conducted emission test setup

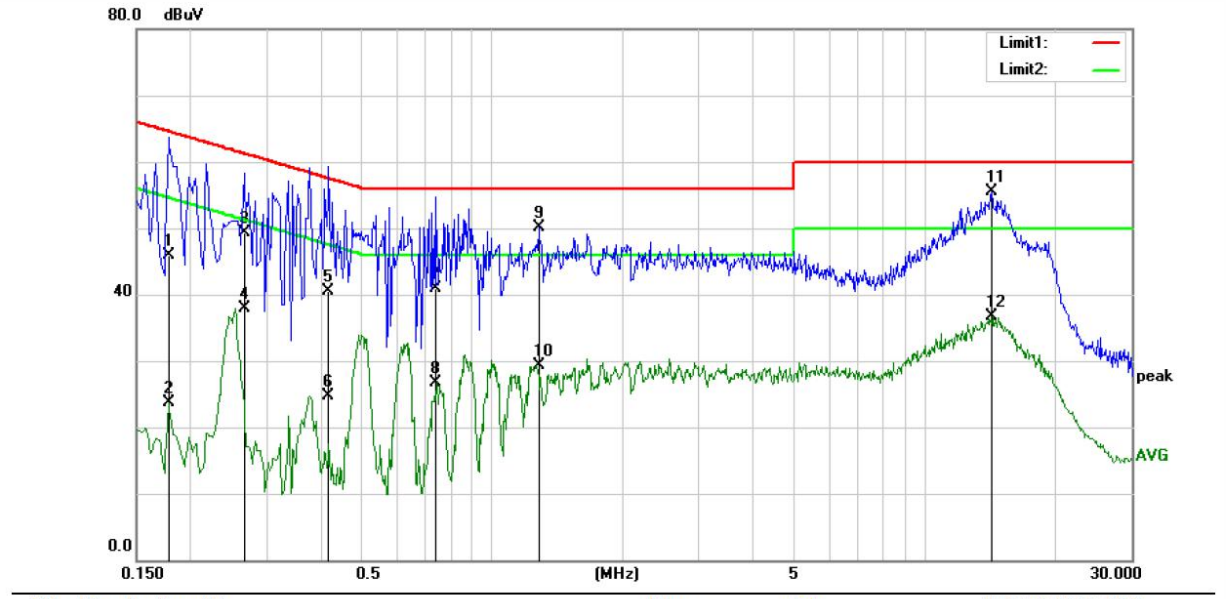
8.6.4 Test Procedure

The EUT was placed on a table which is 0.8m above ground plane.
Maximum procedure was performed on the highest emissions to ensure EUT compliance.
Repeat above procedures until all frequency measured were complete.

8.6.5 Test Results

Pass

The 120V &240V voltage have been tested, and the worst result recorded was report as below:



Site Conduction #2 Phase: *L1* Temperature: 25.3

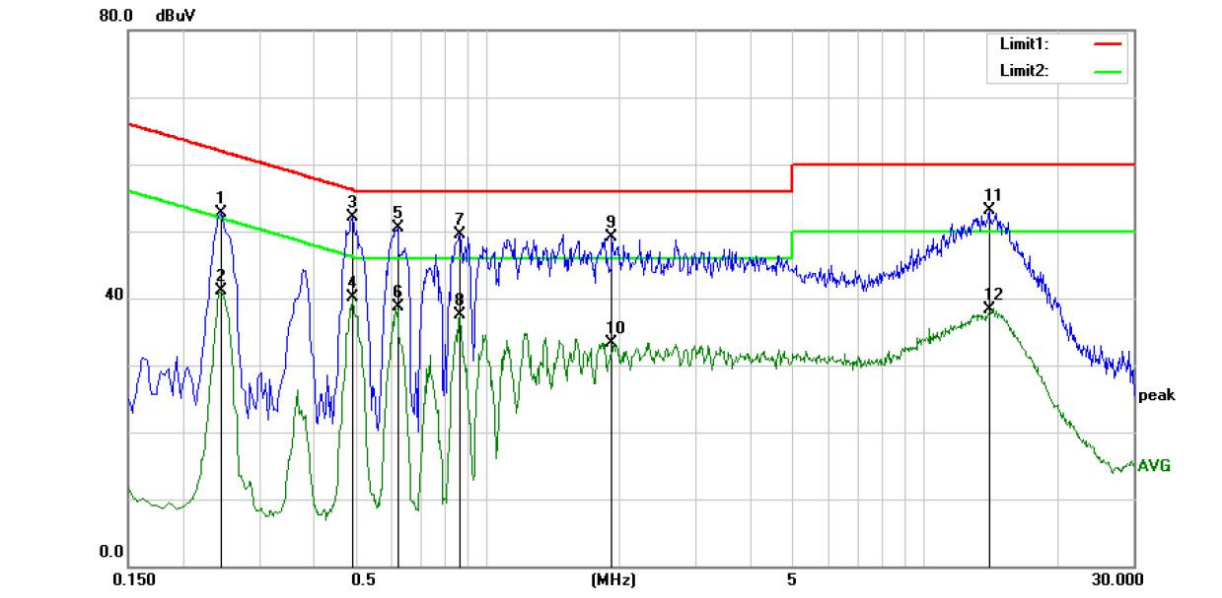
Limit: (CE)FCC PART 15 class B_QP Power: AC 120V/60Hz Humidity: 37 %

Mode: BT Mode

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1780	35.43	10.47	45.90	64.58	-18.68	QP	
2		0.1780	13.21	10.47	23.68	54.58	-30.90	AVG	
3		0.2660	38.89	10.41	49.30	61.24	-11.94	QP	
4		0.2660	27.53	10.41	37.94	51.24	-13.30	AVG	
5		0.4180	30.25	10.35	40.60	57.49	-16.89	QP	
6		0.4180	14.27	10.35	24.62	47.49	-22.87	AVG	
7		0.7380	30.59	10.31	40.90	56.00	-15.10	QP	
8		0.7380	16.38	10.31	26.69	46.00	-19.31	AVG	
9		1.2820	39.79	10.37	50.16	56.00	-5.84	QP	
10		1.2820	18.84	10.37	29.21	46.00	-16.79	AVG	
11	*	14.2180	44.85	10.65	55.50	60.00	-4.50	QP	
12		14.2180	26.05	10.65	36.70	50.00	-13.30	AVG	

*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator: XZJ



Site Conduction #2 Phase: *N* Temperature: 25.3

Limit: (CE)FCC PART 15 class B_QP Power: AC 120V/60Hz Humidity: 37 %

Mode: BT Mode

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.2460	42.39	10.41	52.80	61.89	-9.09	QP	
2		0.2460	30.69	10.41	41.10	51.89	-10.79	AVG	
3	*	0.4900	41.71	10.32	52.03	56.17	-4.14	QP	
4		0.4900	29.73	10.32	40.05	46.17	-6.12	AVG	
5		0.6220	40.20	10.31	50.51	56.00	-5.49	QP	
6		0.6220	28.42	10.31	38.73	46.00	-7.27	AVG	
7		0.8620	39.17	10.35	49.52	56.00	-6.48	QP	
8		0.8620	27.14	10.35	37.49	46.00	-8.51	AVG	
9		1.9220	38.72	10.30	49.02	56.00	-6.98	QP	
10		1.9220	23.02	10.30	33.32	46.00	-12.68	AVG	
11		14.0180	42.40	10.65	53.05	60.00	-6.95	QP	
12		14.0180	27.75	10.65	38.40	50.00	-11.60	AVG	

*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator: XZJ

8.7 ANTENNA APPLICATION

8.7.1 Antenna Requirement

Standard	Requirement
FCC CRF Part 15.203	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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

For intentional device, according to FCC 47 CFR Section 15.203, 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.

8.7.2 Result

PASS.

The EUT has 1 antenna: a Internal Antenna for BT , the gain is 3.87 dBi;

Note: ☒ Antennas use a permanently attached antenna which is not replaceable.
☐ Not using a standard antenna jack or electrical connector for antenna replacement
☐ The antenna has to be professionally installed (please provide method of installation)

which in accordance to section 15.203, please refer to the internal photos.

Detail of factor for radiated emission

Frequency(MHz)	Ant_F(dB)	Cab_L(dB)	Preamp(dB)	Correct Factor(dB)
0.009	20.6	0.03	\	20.63
0.15	20.7	0.1	\	20.8
1	20.9	0.15	\	21.05
10	20.1	0.28	\	20.38
30	18.8	0.45	\	19.25
30	11.7	0.62	27.9	-15.58
100	12.5	1.02	27.8	-14.28
300	12.9	1.91	27.5	-12.69
600	19.2	2.92	27	-4.88
800	21.1	3.54	26.6	-1.96
1000	22.3	4.17	26.2	0.27
1000	25.6	1.76	41.4	-14.04
3000	28.9	3.27	43.2	-11.03
5000	31.1	4.2	44.6	-9.3
8000	36.2	5.95	44.7	-2.55
10000	38.4	6.3	43.9	0.8
12000	38.5	7.14	42.3	3.34
15000	40.2	8.15	41.4	6.95
18000	45.4	9.02	41.3	13.12
18000	37.9	1.81	47.9	-8.19
21000	37.9	1.95	48.7	-8.85
25000	39.3	2.01	42.8	-1.49
28000	39.6	2.16	46.0	-4.24
31000	41.2	2.24	44.5	-1.06
34000	41.5	2.29	46.6	-2.81
37000	43.8	2.30	46.4	-0.3
40000	43.2	2.50	42.2	3.5

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