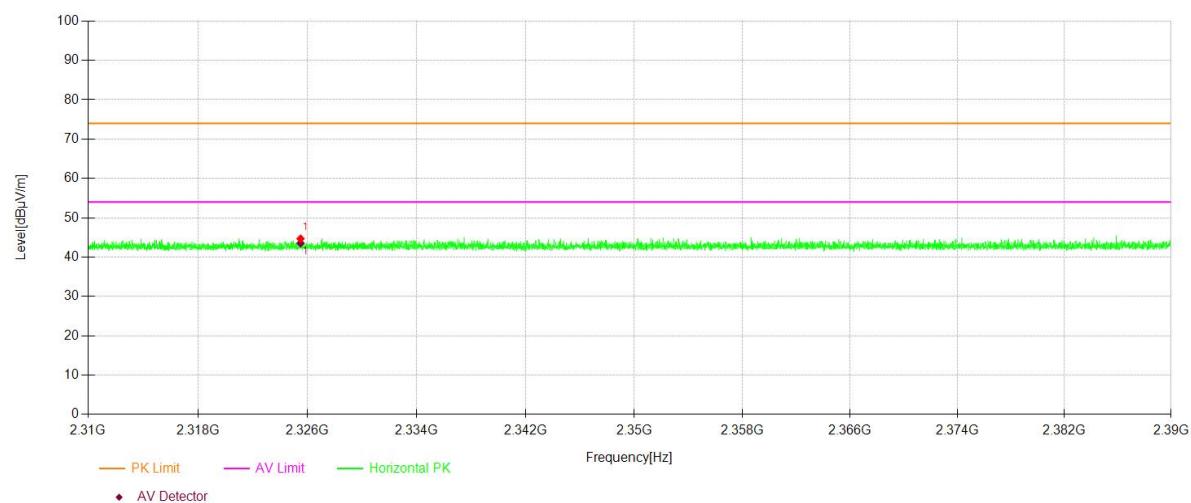
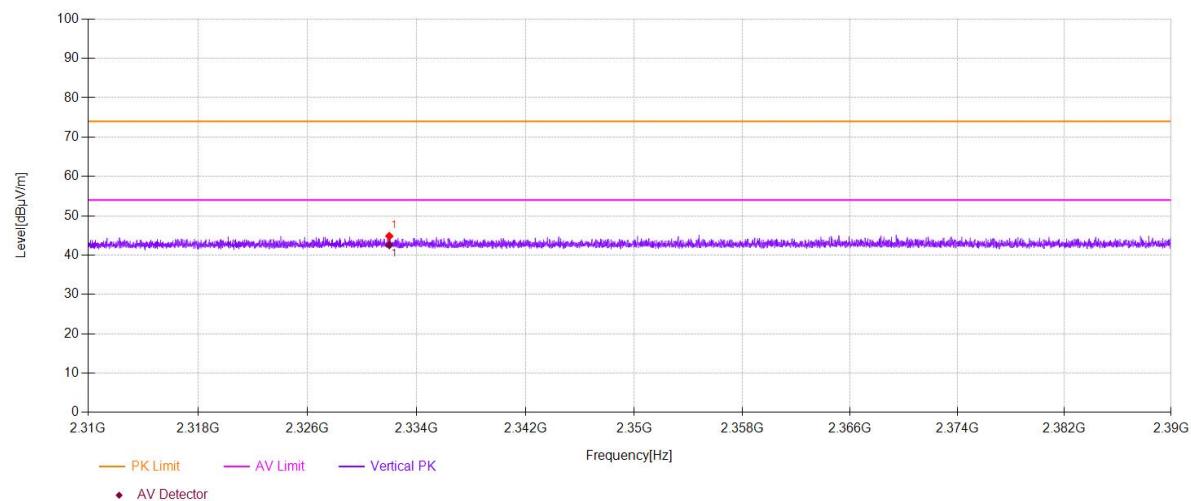


All the modulation modes were tested, the data of the worst mode are described in the following table

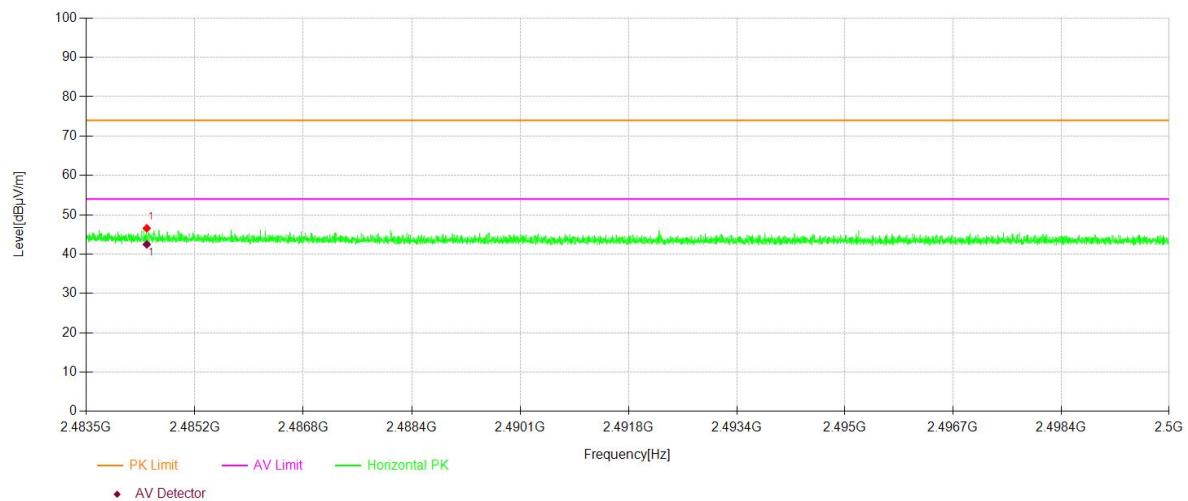
Test Model	Spurious Emission in Restricted Band 2310-2390MHz		
	Bluetooth	DTS	H
Channel 0: 2402MHz			



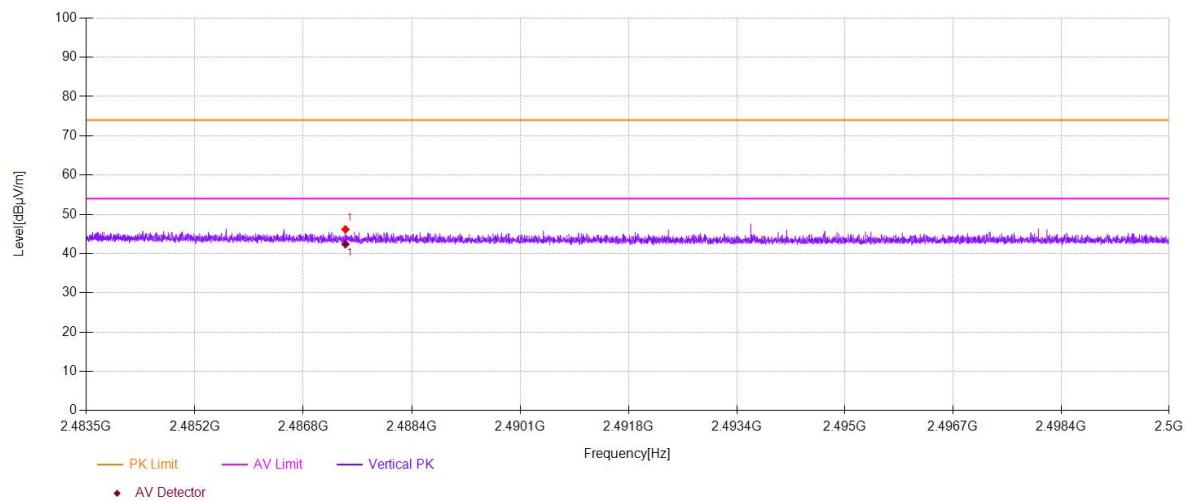
Test Model	Spurious Emission in Restricted Band 2310-2390MHz		
	Bluetooth	DTS	V
Channel 0: 2402MHz			



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



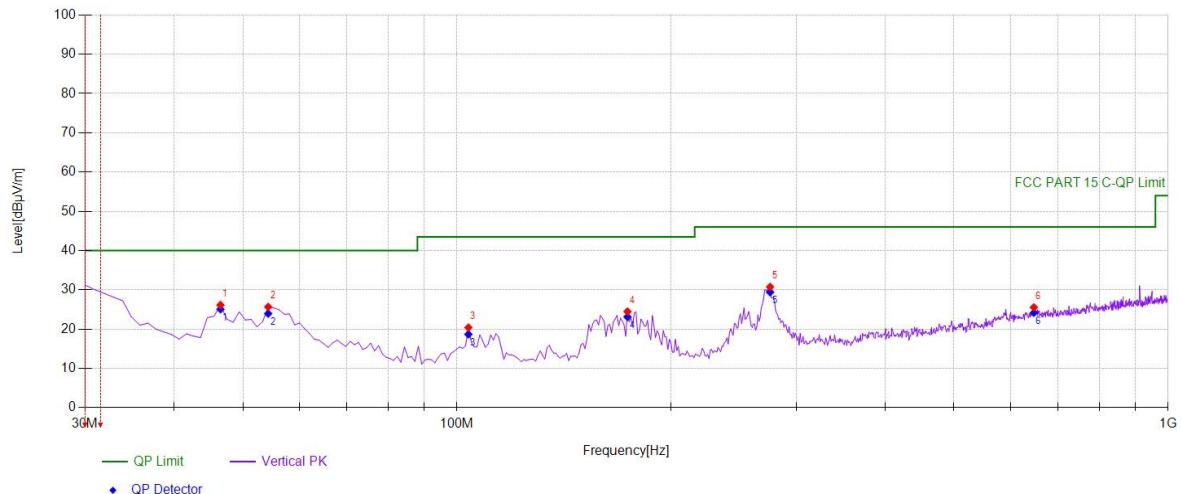
Test Model **Spurious Emission in Restricted Band 2483.5-2500MHz**
 Bluetooth DTS
 Channel 39: 2480MHz **V**



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

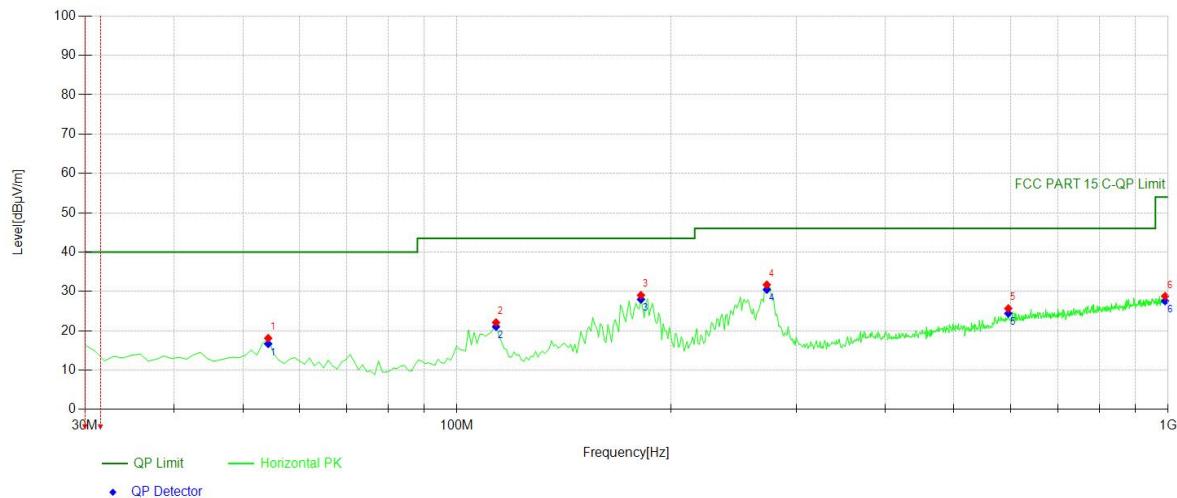
All modes have been tested, and the worst result recorded was report as below:

2402

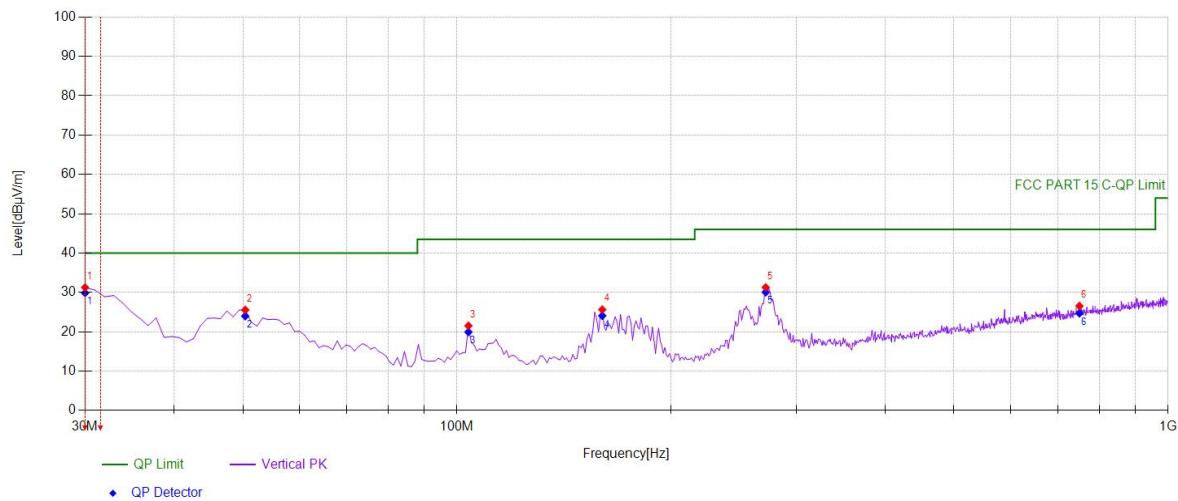


Suspected Data List

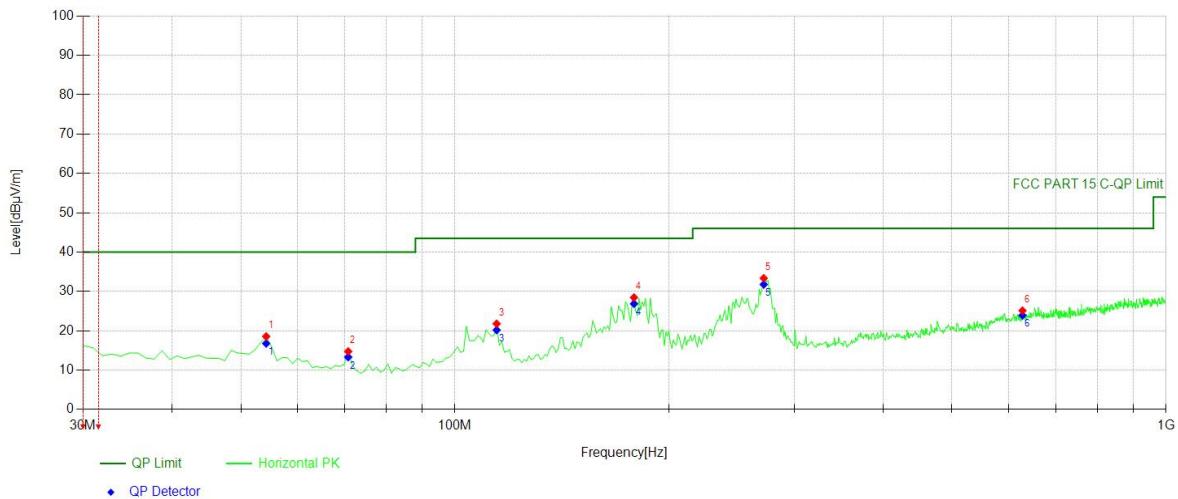
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	46.5065	43.59	-17.45	26.14	PK	40.00	13.86	Vertical
2	54.2743	43.45	-17.78	25.67	PK	40.00	14.33	Vertical
3	103.793	37.40	-17.00	20.40	PK	43.50	23.10	Vertical
4	173.703	43.22	-18.75	24.47	PK	43.50	19.03	Vertical
5	275.655	45.19	-14.43	30.76	PK	46.00	15.24	Vertical
6	647.537	31.77	-6.23	25.54	PK	46.00	20.46	Vertical



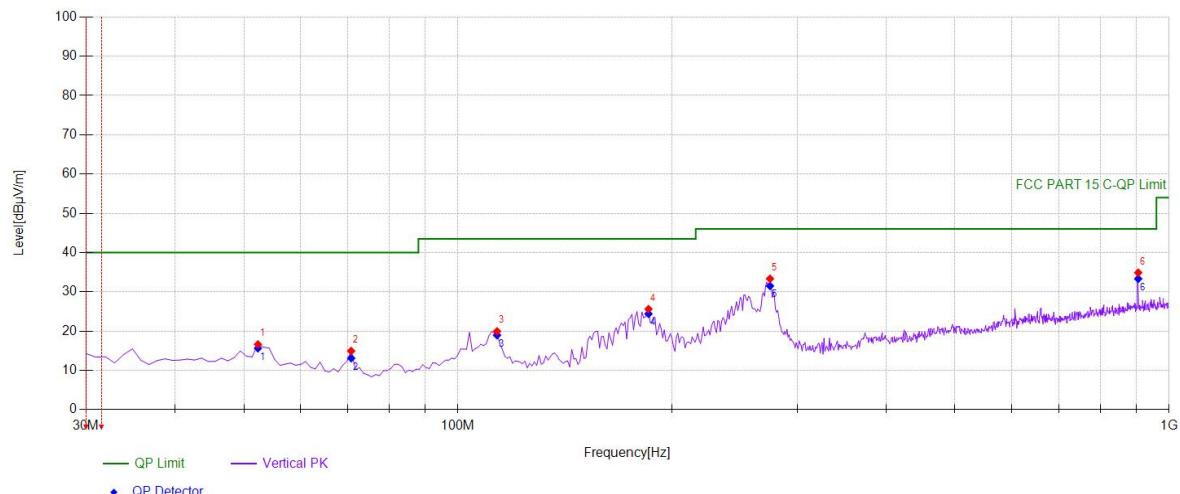
Suspected Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	54.2743	35.89	-17.78	18.11	PK	40.00	21.89	Horizontal
2	113.503	39.64	-17.53	22.11	PK	43.50	21.39	Horizontal
3	181.471	47.35	-18.30	29.05	PK	43.50	14.45	Horizontal
4	272.742	46.32	-14.60	31.72	PK	46.00	14.28	Horizontal
5	596.076	32.80	-7.14	25.66	PK	46.00	20.34	Horizontal
6	990.290	30.49	-1.70	28.79	PK	54.00	25.21	Horizontal

2440

Suspected Data List

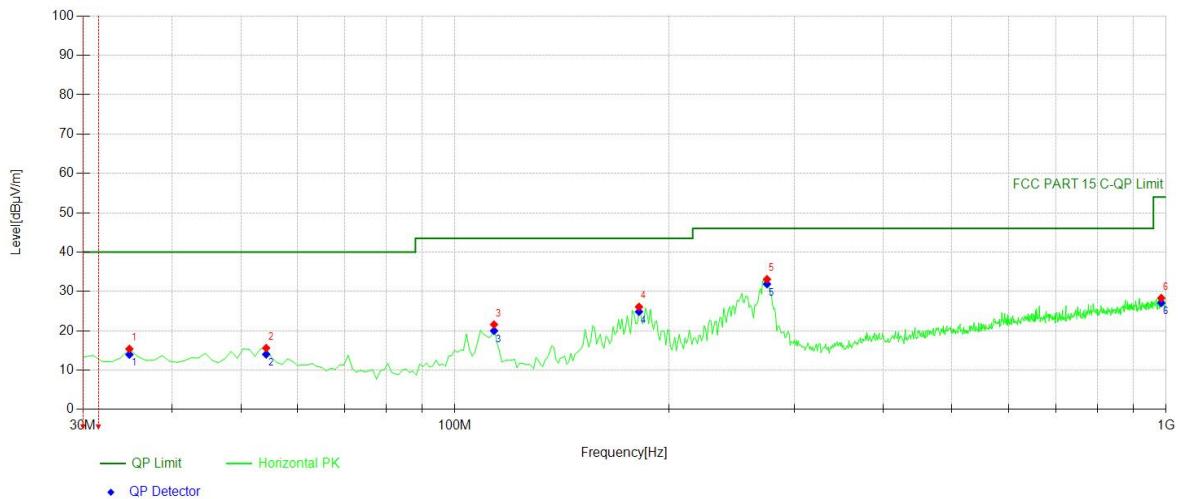
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	30	49.80	-18.53	31.27	PK	40.00	8.73	Vertical
2	50.3904	42.81	-17.26	25.55	PK	40.00	14.45	Vertical
3	103.793	38.52	-17.00	21.52	PK	43.50	21.98	Vertical
4	160.110	45.24	-19.60	25.64	PK	43.50	17.86	Vertical
5	271.771	45.92	-14.65	31.27	PK	46.00	14.73	Vertical
6	750.460	31.89	-5.33	26.56	PK	46.00	19.44	Vertical


Suspected Data List

NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	54.2743	36.34	-17.78	18.56	PK	40.00	21.44	Horizontal
2	70.7808	34.82	-20.08	14.74	PK	40.00	25.26	Horizontal
3	114.474	39.37	-17.59	21.78	PK	43.50	21.72	Horizontal
4	178.558	46.93	-18.47	28.46	PK	43.50	15.04	Horizontal
5	271.771	48.01	-14.65	33.36	PK	46.00	12.64	Horizontal
6	628.118	31.94	-6.81	25.13	PK	46.00	20.87	Horizontal

2480


Suspected Data List								
NO.	Freq. [MHz]	Reading [dB μ V]	Factor [dB/m]	Level [dB μ V/m]	Detector	Limit [dB μ V/m]	Margin [dB]	Polarity
1	52.3323	34.15	-17.52	16.63	PK	40.00	23.37	Vertical
2	70.7808	35.02	-20.08	14.94	PK	40.00	25.06	Vertical
3	113.503	37.49	-17.53	19.96	PK	43.50	23.54	Vertical
4	185.355	43.67	-18.05	25.62	PK	43.50	17.88	Vertical
5	274.684	47.82	-14.48	33.34	PK	46.00	12.66	Vertical
6	904.844	37.70	-2.82	34.88	PK	46.00	11.12	Vertical



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity	
1	34.8549	33.63	-18.23	15.40	PK	40.00	24.60	Horizontal	
2	54.2743	33.39	-17.78	15.61	PK	40.00	24.39	Horizontal	
3	113.503	39.12	-17.53	21.59	PK	43.50	21.91	Horizontal	
4	181.471	44.38	-18.30	26.08	PK	43.50	17.42	Horizontal	
5	274.684	47.58	-14.48	33.10	PK	46.00	12.90	Horizontal	
6	984.464	30.06	-1.75	28.31	PK	54.00	25.69	Horizontal	

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

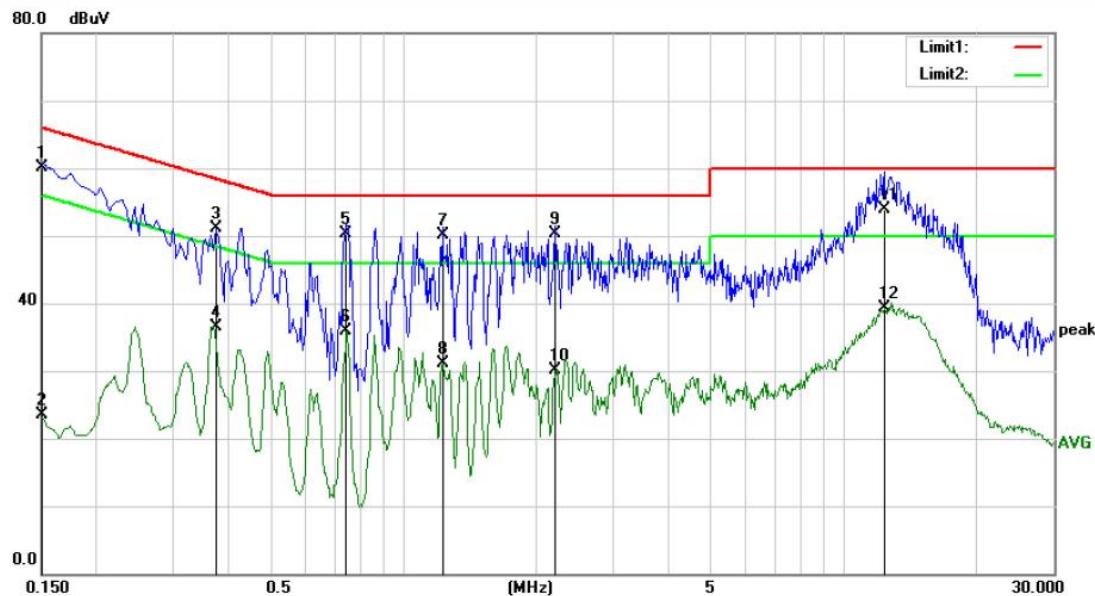
8.6.4 Test Procedure

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 #1

 Phase: **N**

Temperature: 24.9

Limit: (CE)EN55032 class B_QP

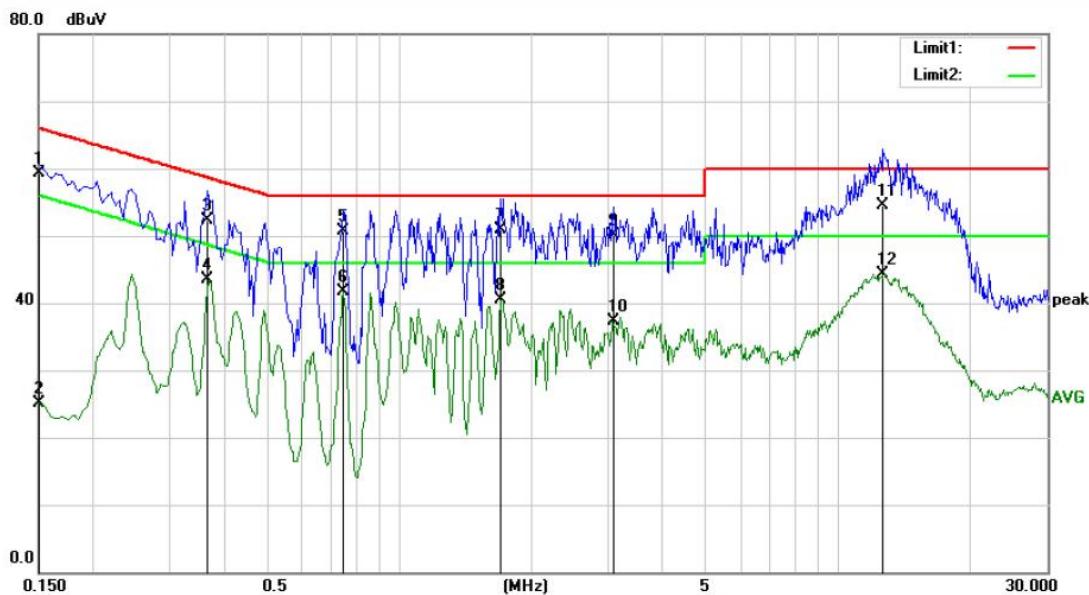
Power: AC 230V/50Hz

Humidity: 54 %

Mode: BT

Note:

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.1500	50.57	9.53	60.10	66.00	-5.90		QP	
2	0.1500	13.93	9.53	23.46	56.00	-32.54		AVG	
3	0.3750	41.57	9.54	51.11	58.39	-7.28		QP	
4	0.3750	27.00	9.54	36.54	48.39	-11.85		AVG	
5 *	0.7400	40.76	9.54	50.30	56.00	-5.70		QP	
6	0.7400	26.41	9.54	35.95	46.00	-10.05		AVG	
7	1.2250	40.55	9.55	50.10	56.00	-5.90		QP	
8	1.2250	21.54	9.55	31.09	46.00	-14.91		AVG	
9	2.2050	40.75	9.55	50.30	56.00	-5.70		QP	
10	2.2050	20.51	9.55	30.06	46.00	-15.94		AVG	
11	12.3550	44.14	9.76	53.90	60.00	-6.10		QP	
12	12.3550	29.63	9.76	39.39	50.00	-10.61		AVG	



Site Conduction #1

 Phase: **L1**

Temperature: 24.9

Limit: (CE)EN55032 class B_QP

Power: AC 230V/50Hz

Humidity: 54 %

Mode: BT

Note:

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.1500	49.77	9.53	59.30	66.00	-6.70		QP	
2	0.1500	15.63	9.53	25.16	56.00	-30.84		AVG	
3	0.3650	42.86	9.54	52.40	58.61	-6.21		QP	
4	0.3650	33.98	9.54	43.52	48.61	-5.09		AVG	
5	0.7450	41.16	9.54	50.70	56.00	-5.30		QP	
6 *	0.7450	32.19	9.54	41.73	46.00	-4.27		AVG	
7	1.7050	41.45	9.55	51.00	56.00	-5.00		QP	
8	1.7050	30.99	9.55	40.54	46.00	-5.46		AVG	
9	3.0750	40.54	9.56	50.10	56.00	-5.90		QP	
10	3.0750	27.79	9.56	37.35	46.00	-8.65		AVG	
11	12.6550	44.84	9.76	54.60	60.00	-5.40		QP	
12	12.6550	34.51	9.76	44.27	50.00	-5.73		AVG	

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 0.98 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 -----