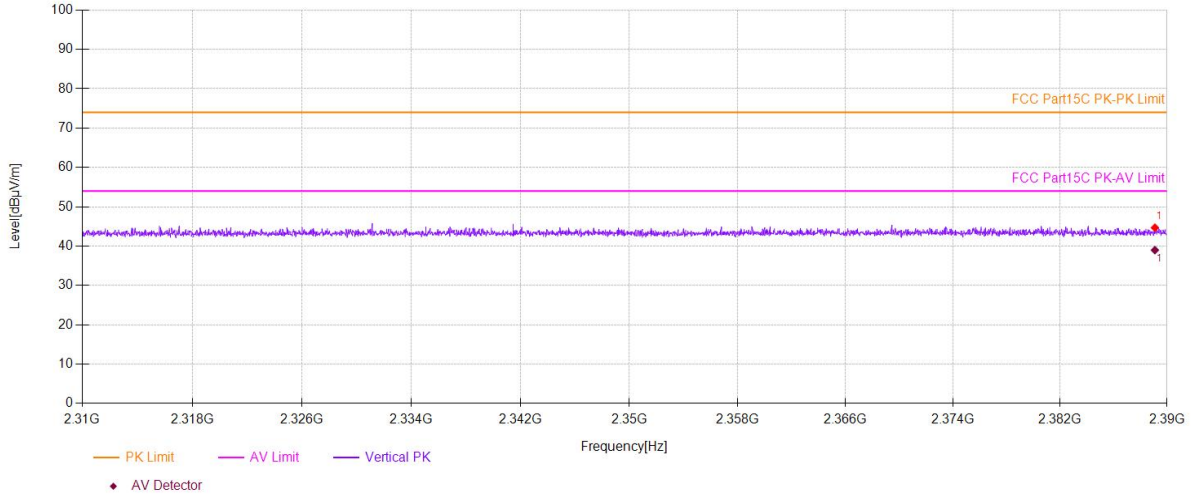
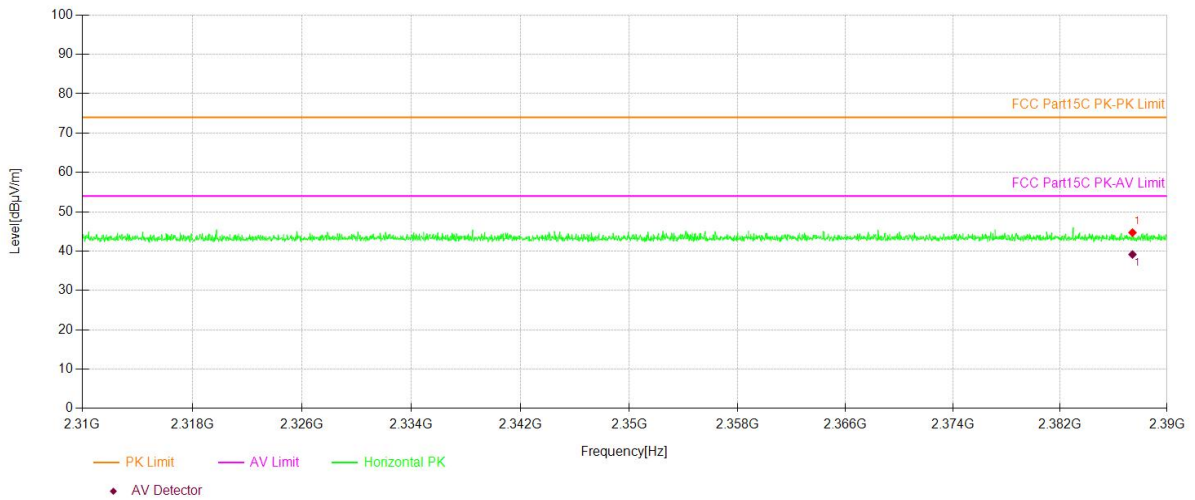


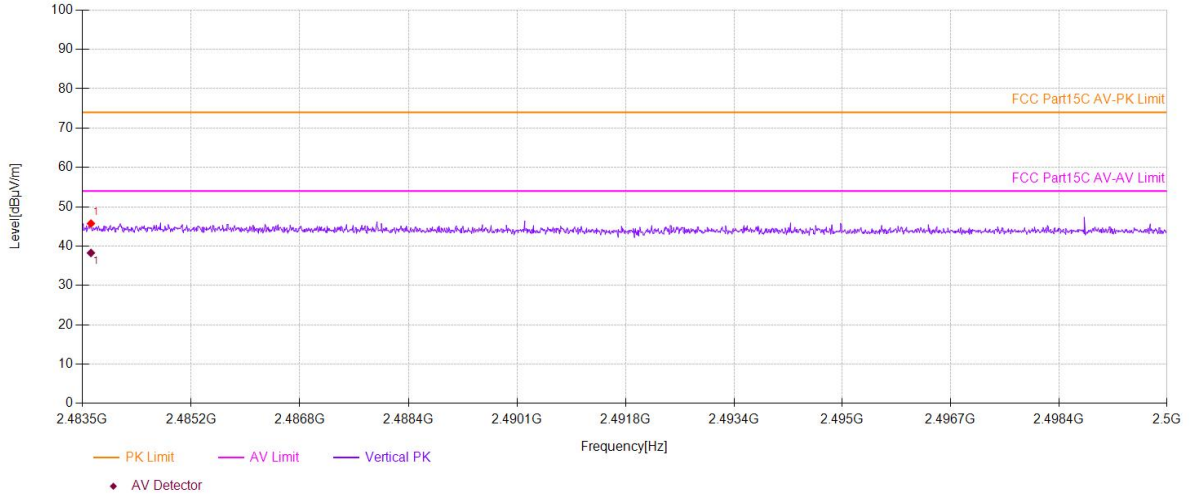
**Test Model**      **Spurious Emission in Restricted Band 2310-2390MHz**  
**Channel 0: 2402MHz**      **GFSK**      **V**



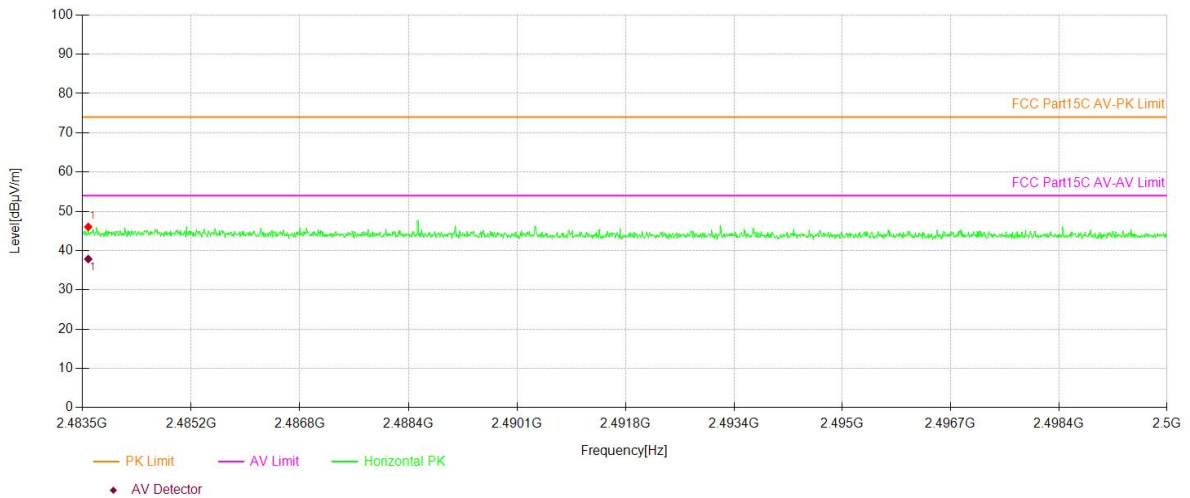
**Test Model**      **Spurious Emission in Restricted Band 2310-2390MHz**  
**Channel 0: 2402MHz**      **GFSK**      **H**



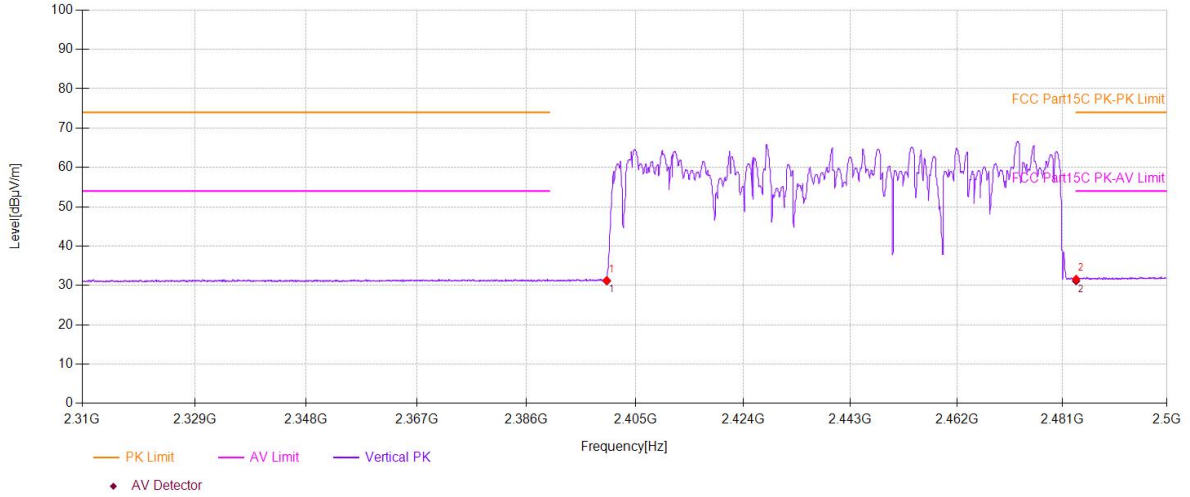
**Test Model**      **Spurious Emission in Restricted Band 2483.5-2500MHz**  
**Channel 78: 2480MHz**      **GFSK**      **V**



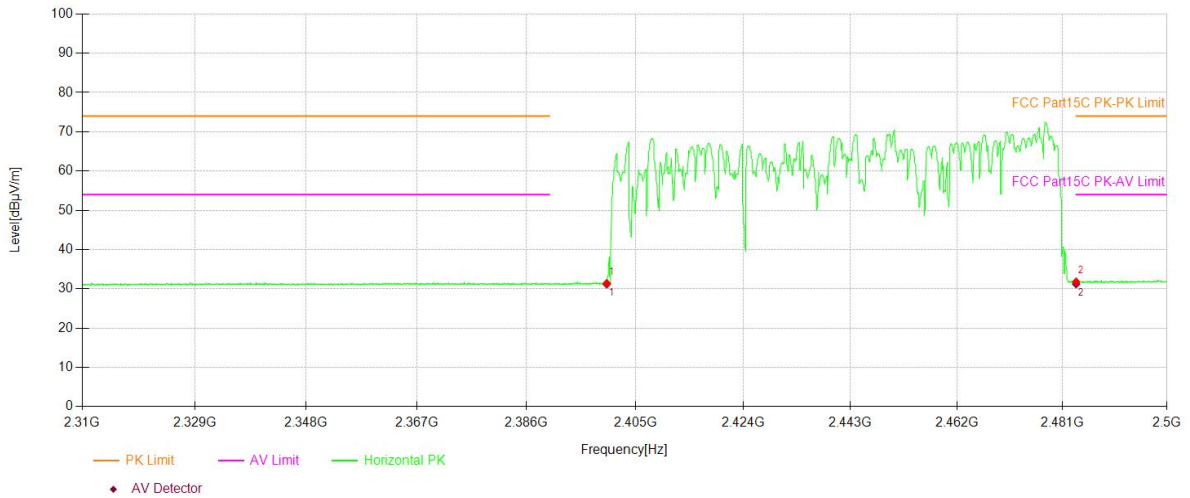
**Test Model**      **Spurious Emission in Restricted Band 2483.5-2500MHz**  
**Channel 78: 2480MHz**      **GFSK**      **H**



**Test Model**      **Spurious Emission in Restricted Band 2310-2390MHz and 2400-2483.5MHz Hopping**  
**GFSK**      **V**

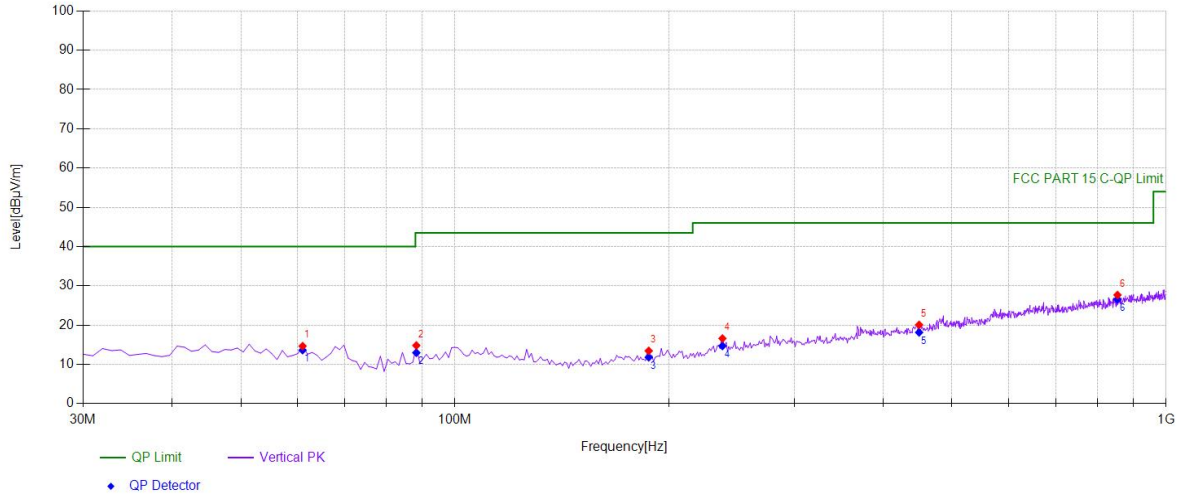


**Test Model**      **Spurious Emission in Restricted Band 2310-2390MHz and 2400-2483.5MHz Hopping**  
**GFSK**      **H**



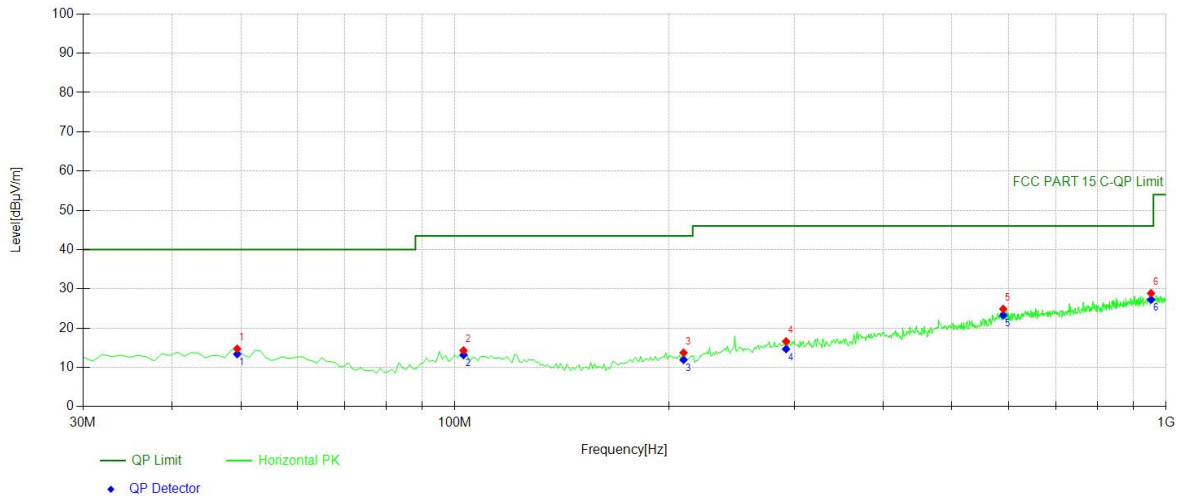
- Spurious Emission below 1GHz(30MHz to 1GHz)
- All the antenna(Antenna 1) and modes(GFSK,  $\pi/4$ -DQPSK, 8DPSK) mode have been tested, and the worst(Antenna 1,GFSK) result recorded was report as below:

Mode:	BT 2402
Environment:	Temp: 25°C; Humi:60%



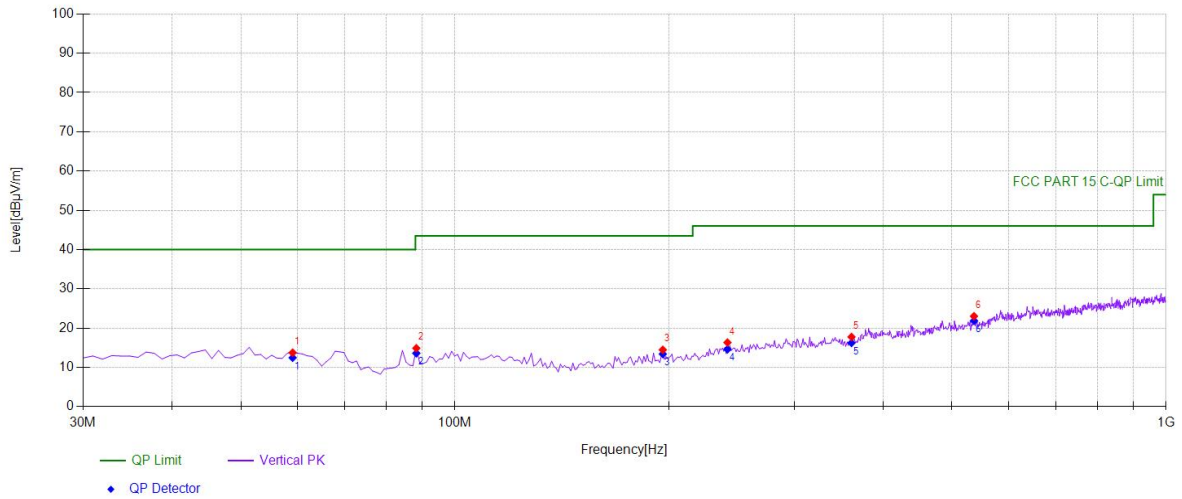
Suspected Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB/m]	Level [dBμV/m]	Detector	Limit [dBμV/m]	Margin [dB]	Polarity
1	61.0711	33.36	-18.70	14.66	PK	40.00	25.34	Vertical
2	88.2583	34.38	-19.56	14.82	PK	43.50	28.68	Vertical
3	187.297	31.37	-17.92	13.45	PK	43.50	30.05	Vertical
4	237.787	32.01	-15.40	16.61	PK	46.00	29.39	Vertical
5	449.459	31.20	-11.13	20.07	PK	46.00	25.93	Vertical
6	854.354	31.47	-3.80	27.67	PK	46.00	18.33	Vertical

Mode:	BT 2402
Environment:	Temp: 25°C; Humi:60%



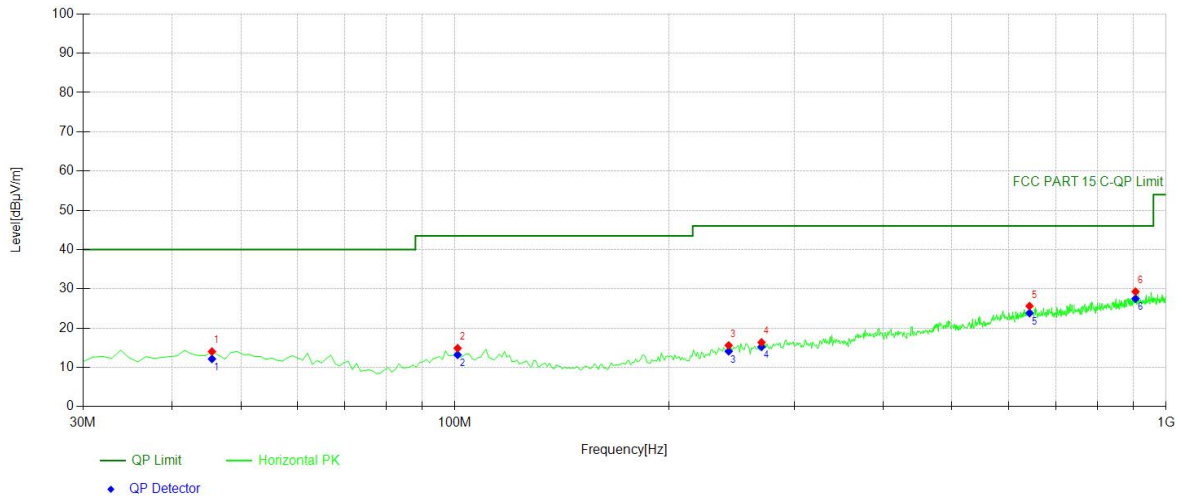
Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	49.4194	32.00	-17.25	14.75	PK	40.00	25.25	Horizontal
2	102.8228	31.26	-16.95	14.31	PK	43.50	29.19	Horizontal
3	209.6296	30.87	-17.13	13.74	PK	43.50	29.76	Horizontal
4	292.1622	30.79	-14.16	16.63	PK	46.00	29.37	Horizontal
5	590.2503	32.02	-7.14	24.88	PK	46.00	21.12	Horizontal
6	952.4224	31.20	-2.32	28.88	PK	46.00	17.12	Horizontal

Mode:	BT 2441
Environment:	Temp: 25°C; Humi:60%



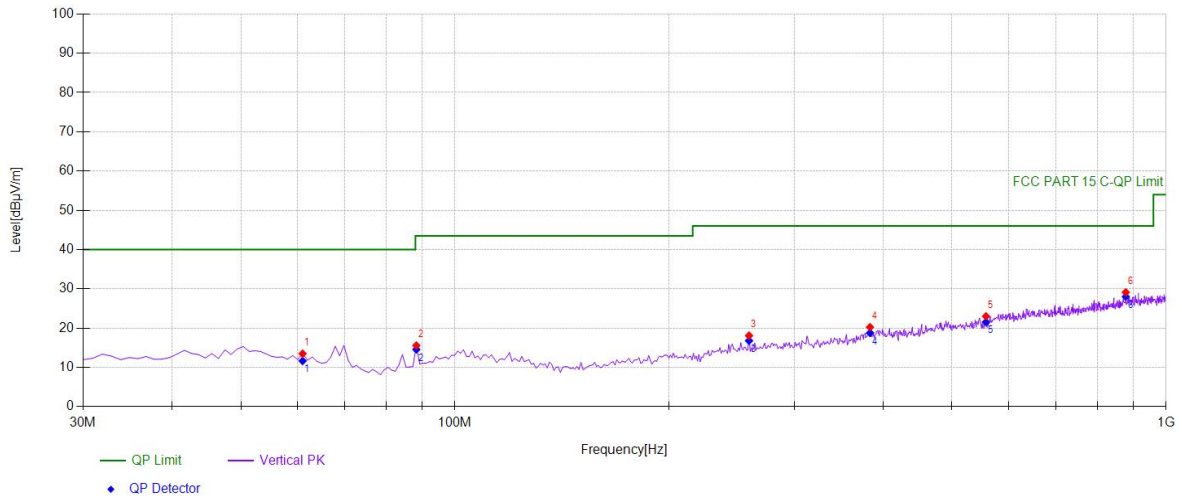
Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	59.1291	32.18	-18.43	13.75	PK	40.00	26.25	Vertical
2	88.2583	34.45	-19.56	14.89	PK	43.50	28.61	Vertical
3	196.036	31.86	-17.38	14.48	PK	43.50	29.02	Vertical
4	241.6717	31.52	-15.19	16.33	PK	46.00	29.67	Vertical
5	361.1011	31.11	-13.35	17.76	PK	46.00	28.24	Vertical
6	536.8468	32.36	-9.32	23.04	PK	46.00	22.96	Vertical

Mode:	BT 2441
Environment:	Temp: 25°C; Humi:60%



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	45.5355	31.56	-17.53	14.03	PK	40.00	25.97	Horizontal
2	100.8809	31.73	-16.84	14.89	PK	43.50	28.61	Horizontal
3	242.6426	30.77	-15.18	15.59	PK	46.00	30.41	Horizontal
4	269.8298	31.12	-14.76	16.36	PK	46.00	29.64	Horizontal
5	642.6827	31.86	-6.24	25.62	PK	46.00	20.38	Horizontal
6	905.8158	32.12	-2.83	29.29	PK	46.00	16.71	Horizontal

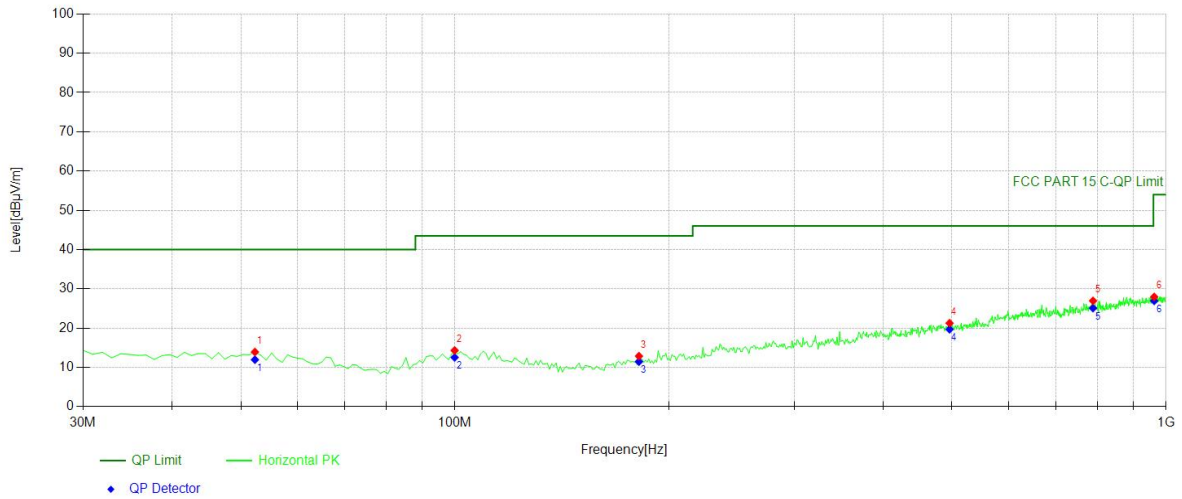
Mode:	BT 2480
Environment:	Temp: 25°C; Humi:60%



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	61.0711	32.20	-18.70	13.50	PK	40.00	26.50	Vertical
2	88.2583	35.14	-19.56	15.58	PK	43.50	27.92	Vertical
3	259.1491	33.27	-15.17	18.10	PK	46.00	27.90	Vertical
4	383.4334	32.07	-11.83	20.24	PK	46.00	25.76	Vertical
5	558.2082	32.06	-9.04	23.02	PK	46.00	22.98	Vertical
6	877.6577	32.21	-3.09	29.12	PK	46.00	16.88	Vertical



Mode:	BT 2480
Environment:	Temp: 25°C; Humi:60%



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV]	Factor [dB/m]	Level [dBµV/m]	Detector	Limit [dBµV/m]	Margin [dB]	Polarity
1	52.3323	31.44	-17.52	13.92	PK	40.00	26.08	Horizontal
2	99.9099	31.14	-16.82	14.32	PK	43.50	29.18	Horizontal
3	181.4715	31.18	-18.30	12.88	PK	43.50	30.62	Horizontal
4	496.0661	31.05	-9.78	21.27	PK	46.00	24.73	Horizontal
5	789.2993	31.49	-4.53	26.96	PK	46.00	19.04	Horizontal
6	962.1321	30.19	-2.23	27.96	PK	54.00	26.04	Horizontal

## 9.8 CONDUCTED EMISSION TEST

### 9.8.1 Applicable Standard

According to FCC Part 15.207

According to IC RSS-Gen 8.8

### 9.8.2 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.

### 9.8.3 Test Configuration

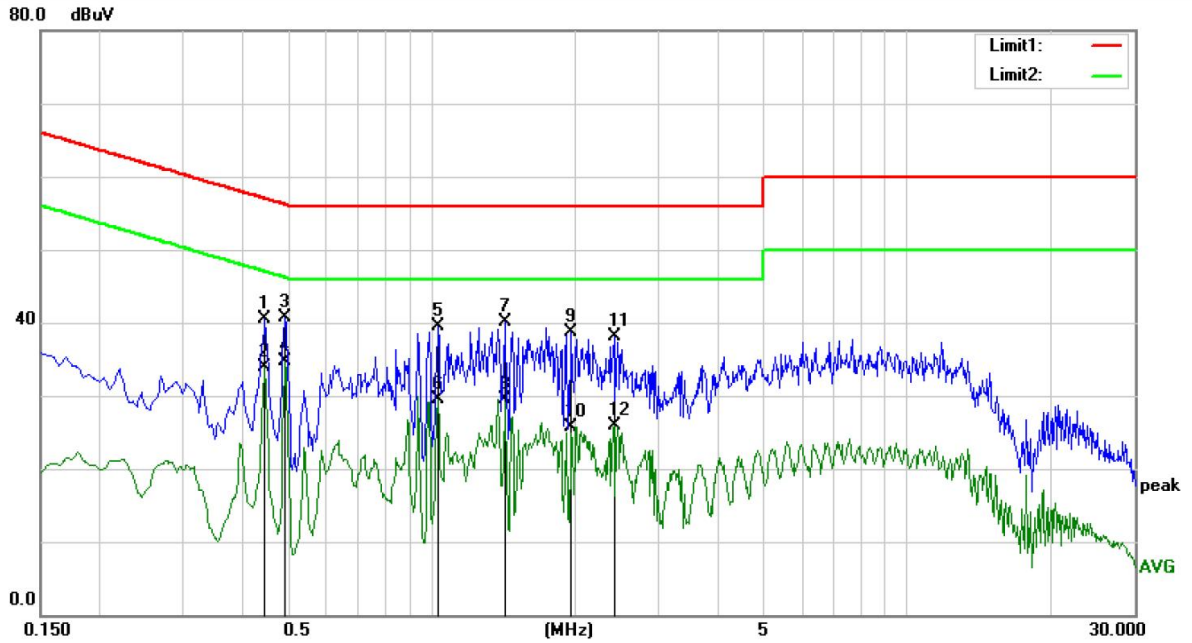
Test according to clause 7.3 conducted emission test setup

### 9.8.4 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.

### 9.8.5 Test Results

Pass



Site Conduction #1

Phase: **L1**

Temperature: 21.9

Limit: (CE)FCC PART 15 class B\_QP

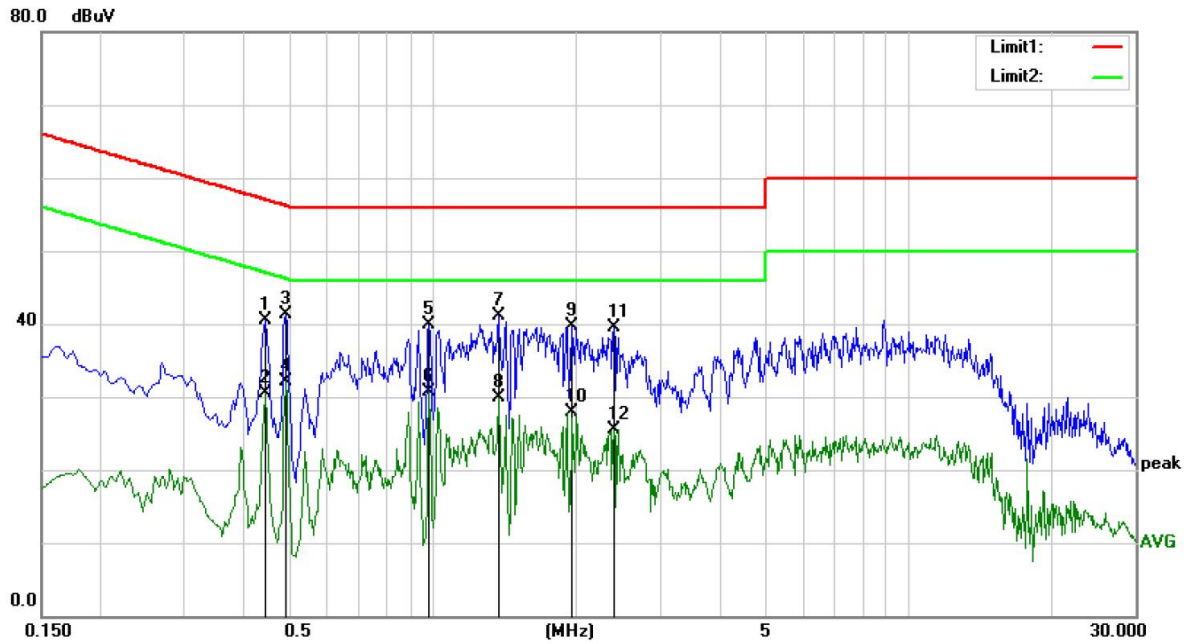
Power: DC 5V from adapter

Humidity: 58 %

Mode: BT mode

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.4450	30.83	9.75	40.58	56.97	-16.39	QP	
2		0.4450	24.15	9.75	33.90	46.97	-13.07	AVG	
3		0.4900	30.99	9.69	40.68	56.17	-15.49	QP	
4	*	0.4900	25.07	9.69	34.76	46.17	-11.41	AVG	
5		1.0300	29.60	9.85	39.45	56.00	-16.55	QP	
6		1.0300	19.65	9.85	29.50	46.00	-16.50	AVG	
7		1.4250	30.40	9.79	40.19	56.00	-15.81	QP	
8		1.4250	19.65	9.79	29.44	46.00	-16.56	AVG	
9		1.9650	29.09	9.71	38.80	56.00	-17.20	QP	
10		1.9650	16.00	9.71	25.71	46.00	-20.29	AVG	
11		2.4100	28.43	9.72	38.15	56.00	-17.85	QP	
12		2.4100	16.26	9.72	25.98	46.00	-20.02	AVG	



Site Conduction #1

Phase: **N**

Temperature: 21.9

Limit: (CE)FCC PART 15 class B\_QP

Power: DC 5V from adapter

Humidity: 58 %

Mode: BT mode

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.4450	30.82	9.75	40.57	56.97	-16.40	QP	
2		0.4450	20.84	9.75	30.59	46.97	-16.38	AVG	
3		0.4900	31.61	9.69	41.30	56.17	-14.87	QP	
4	*	0.4900	22.44	9.69	32.13	46.17	-14.04	AVG	
5		0.9800	29.97	9.84	39.81	56.00	-16.19	QP	
6		0.9800	20.93	9.84	30.77	46.00	-15.23	AVG	
7		1.3750	31.26	9.79	41.05	56.00	-14.95	QP	
8		1.3750	20.21	9.79	30.00	46.00	-16.00	AVG	
9		1.9600	30.02	9.71	39.73	56.00	-16.27	QP	
10		1.9600	18.16	9.71	27.87	46.00	-18.13	AVG	
11		2.4050	29.79	9.72	39.51	56.00	-16.49	QP	
12		2.4050	15.87	9.72	25.59	46.00	-20.41	AVG	

## 9.9 ANTENNA APPLICATION

### 9.9.1 Antenna Requirement

Standard	Requirement
FCC CRF Part15.203	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.
FCC 47 CFR Part 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.
RSS-Gen Section 6.8	The applicant for equipment certification shall provide a list of all antenna types that may be used with the transmitter, where applicable (i.e. for transmitters with detachable antenna), indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. The test report shall demonstrate the compliance of the transmitter with the limit for maximum equivalent isotropically radiated power (e.i.r.p.) specified in the applicable RSS, when the transmitter is equipped with any antenna type, selected from this list.
RSS-247 Section 5.4	If the transmitter employs an antenna system that emits multiple directional beams, but does not emit multiple directional beams simultaneously, the total output power conducted to the array or arrays that comprise the device (i.e. the sum of the power supplied to all antennas, antenna elements, staves, etc., and summed across all carriers or frequency channels) shall not exceed the applicable output power limit. However, the total conducted output power shall be reduced by 1 dB below the specified limits for each 3 dB that the directional gain of the antenna/antenna array exceeds 6 dBi. The directional antenna gain shall be computed as the sum of 10 log (number of array elements or staves) plus the directional gain of the element or stave having the highest gain.

### 9.9.2 Result

PASS.

- Note:
- Antenna 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)

Please refer to the attached documentInternal Photos to show the antenna connector.

\*\*\* End of Report \*\*\*