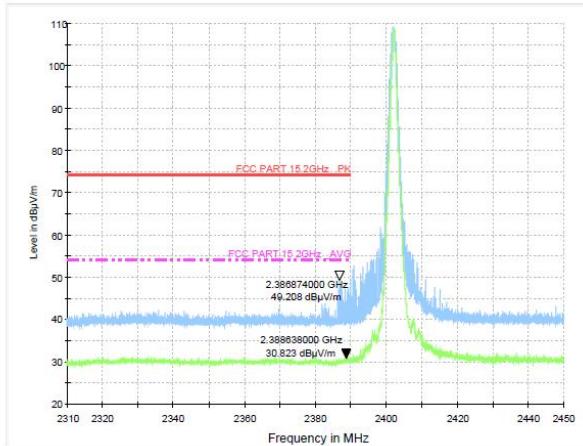
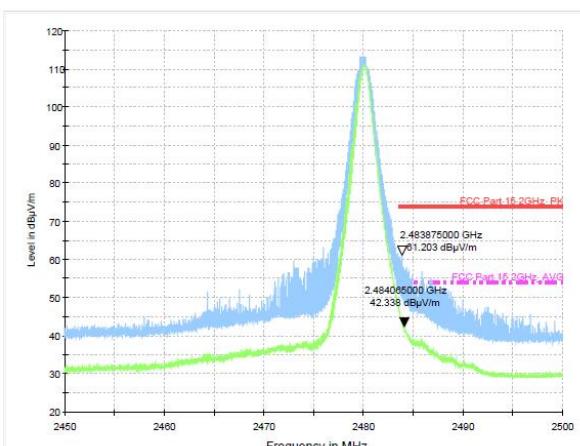
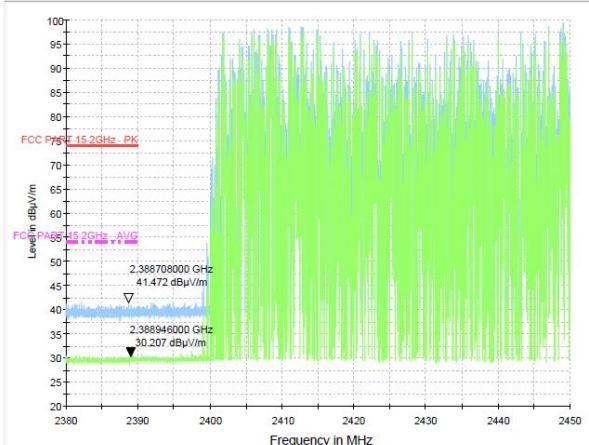
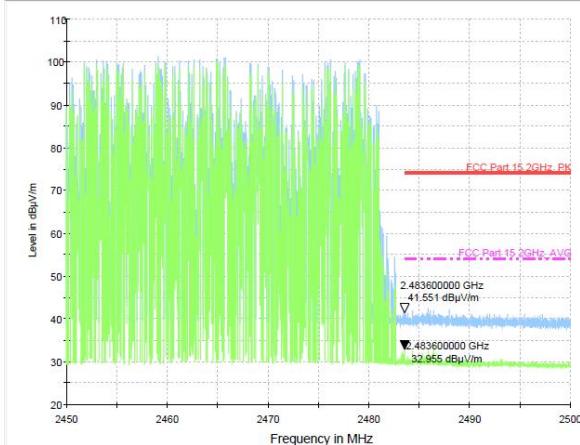
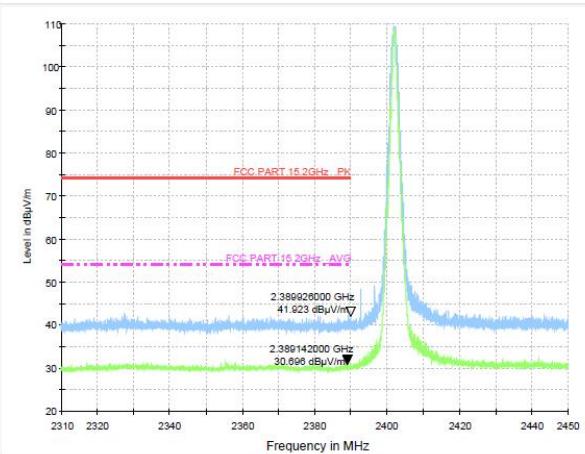


Test Mode:  $\pi/4$  DQPSK-Low Hopping-off

Test Mode:  $\pi/4$  DQPSK-High Hopping-off

Test Mode:  $\pi/4$  DQPSK-Low Hopping-on

Test Mode:  $\pi/4$  DQPSK-High Hopping-on


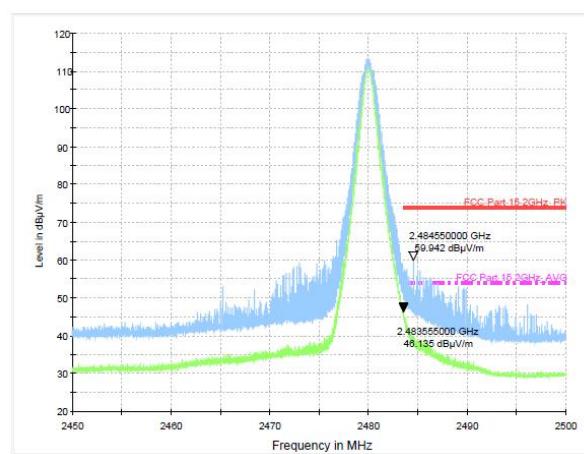
Note: 1. \*:Maximum data; x:Over limit; !:over margin.

2.Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.

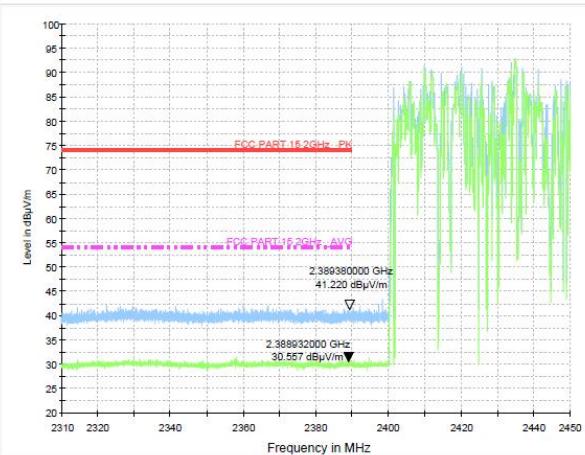
Test Mode: 8DPSK-Low Hopping-off



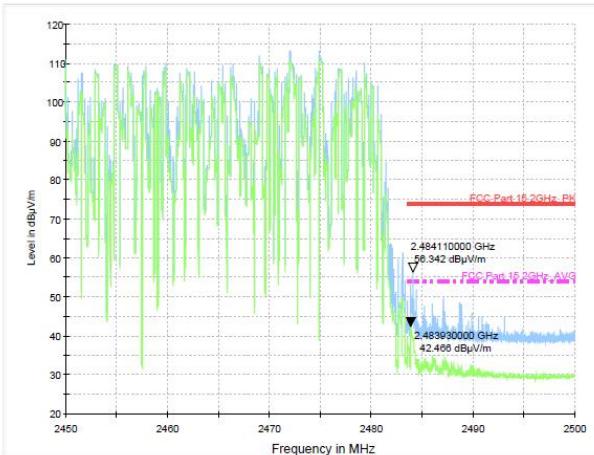
Test Mode: 8DPSK-High Hopping-off



Test Mode: 8DPSK-Low Hopping-on



Test Mode: 8DPSK-High Hopping-on

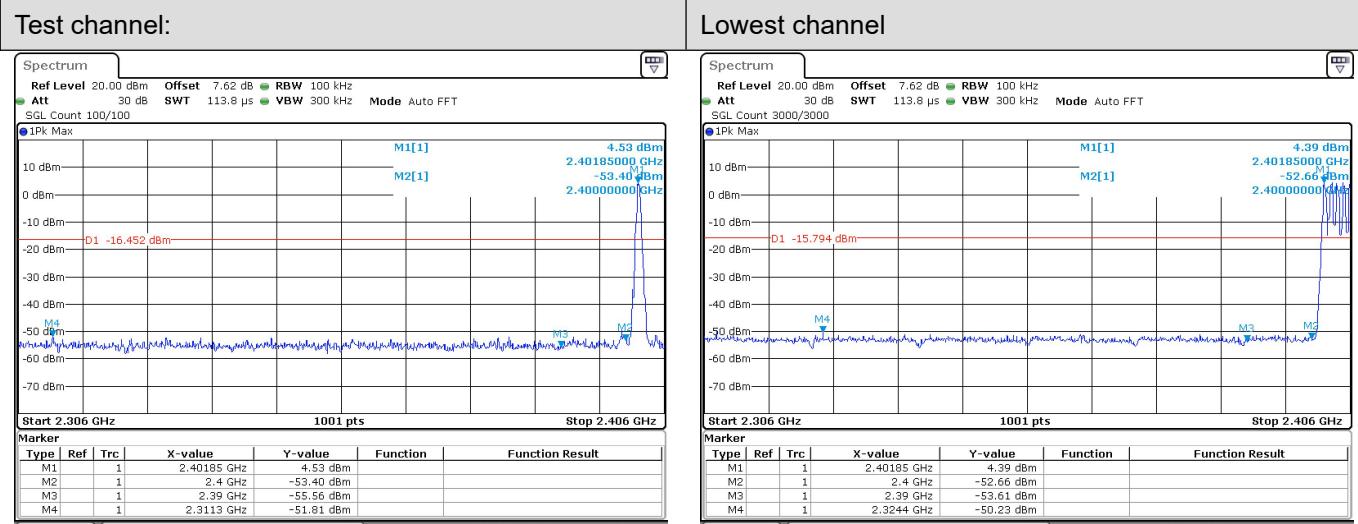


Note: 1. \*:Maximum data; x:Over limit; !:over margin.

2.Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.

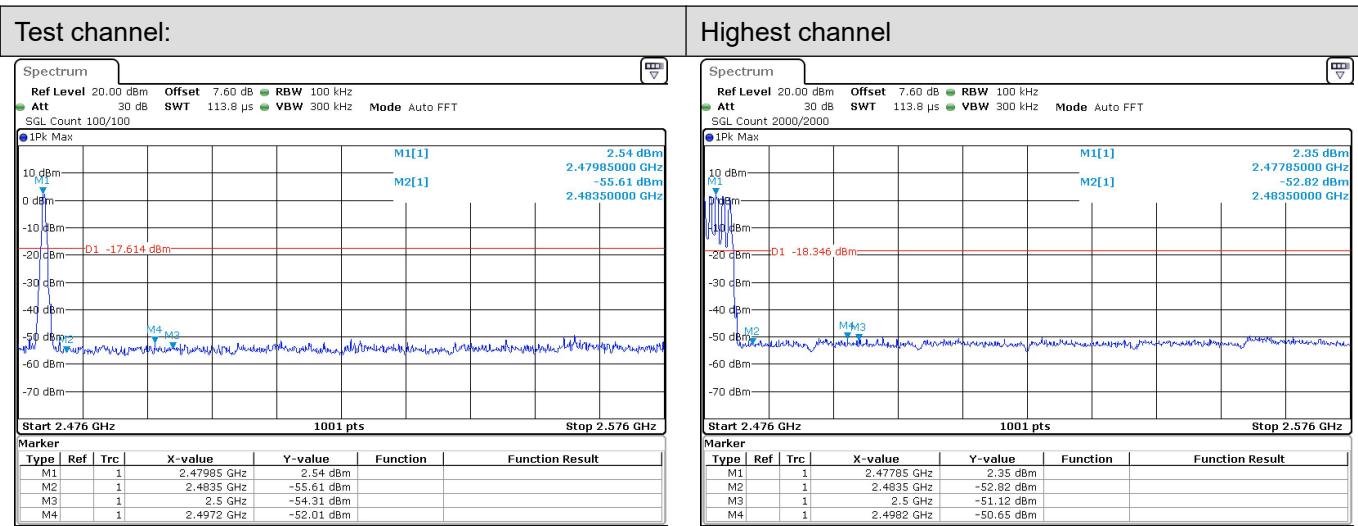
## Conducted Method

### GFSK Mode:



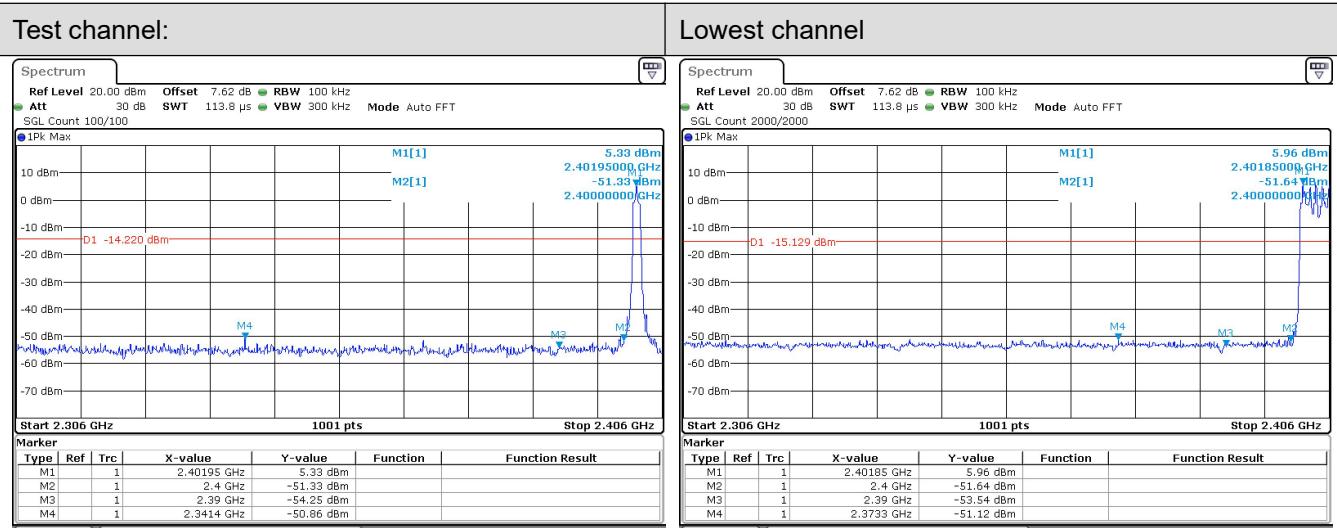
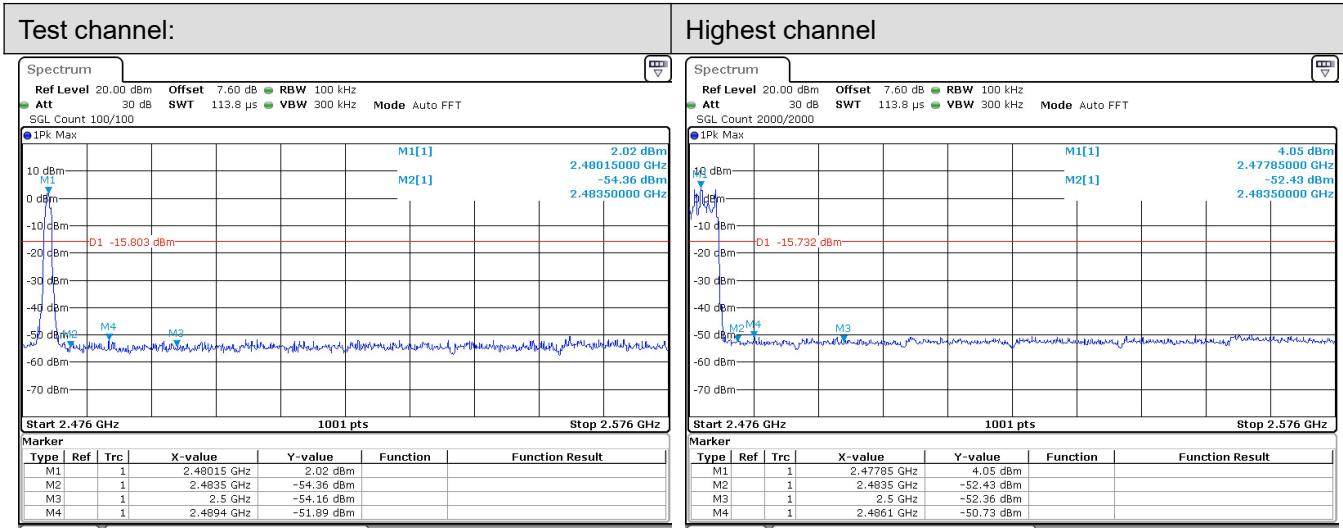
No-hopping mode

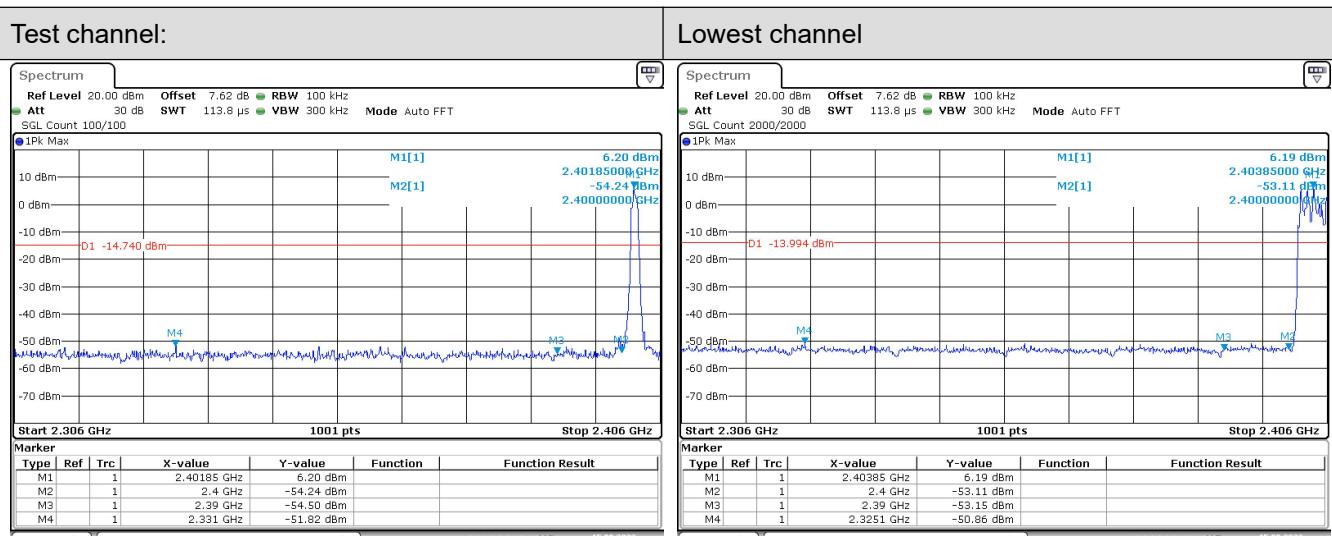
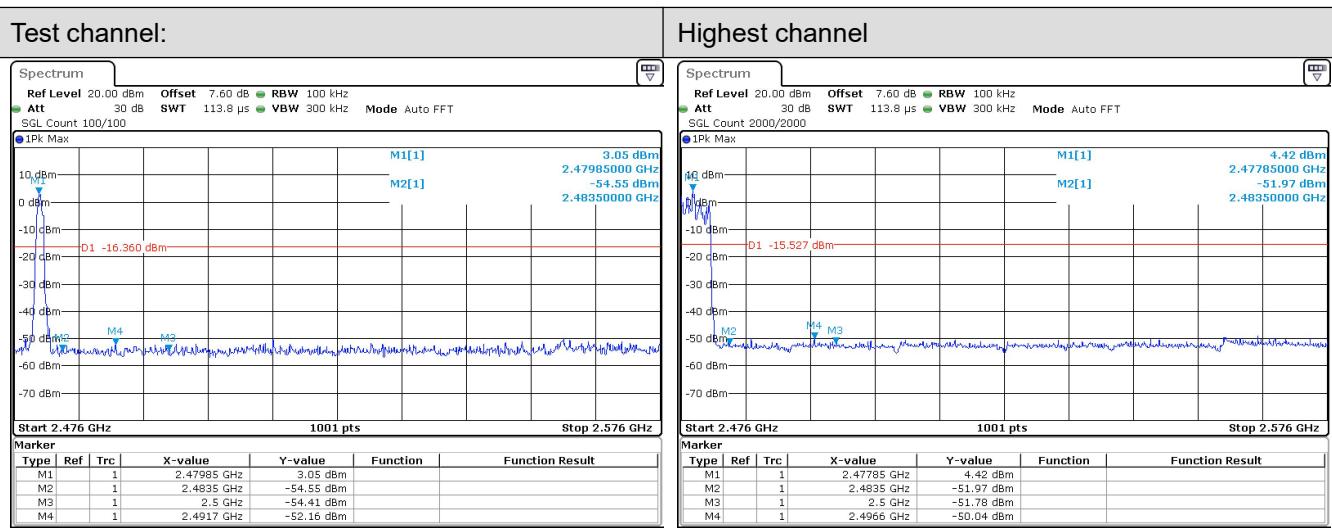
Hopping mode



No-hopping mode

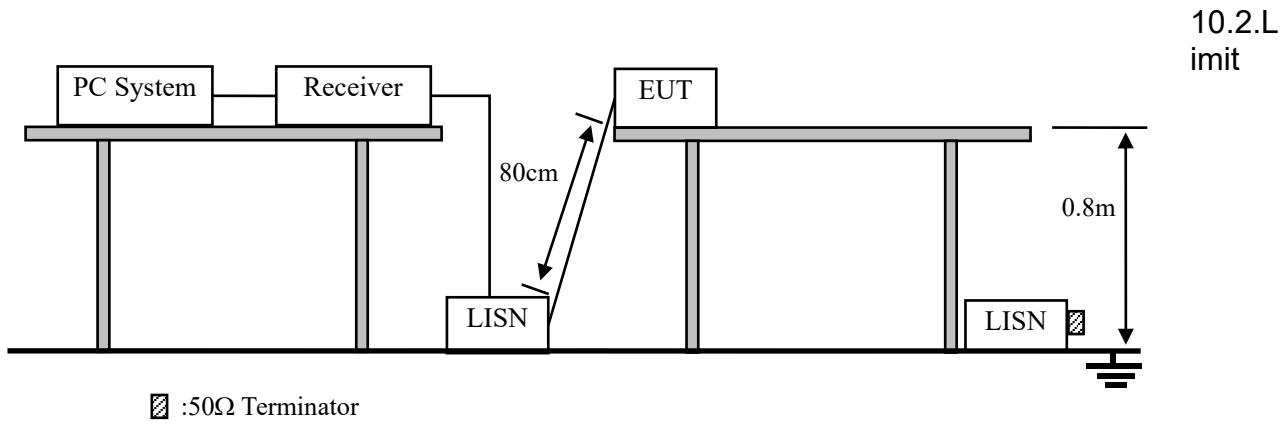
Hopping mode

**TT/4DQPSK Mode:**

**No-hopping mode**
**Hopping mode**

**No-hopping mode**
**Hopping mode**

**8DPSK Mode:**

**No-hopping mode**
**Hopping mode**

**No-hopping mode**
**Hopping mode**

## 10. POWER LINE CONDUCTED EMISSIONS

### 10.1. Block Diagram of Test Setup



■ :50Ω Terminator

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

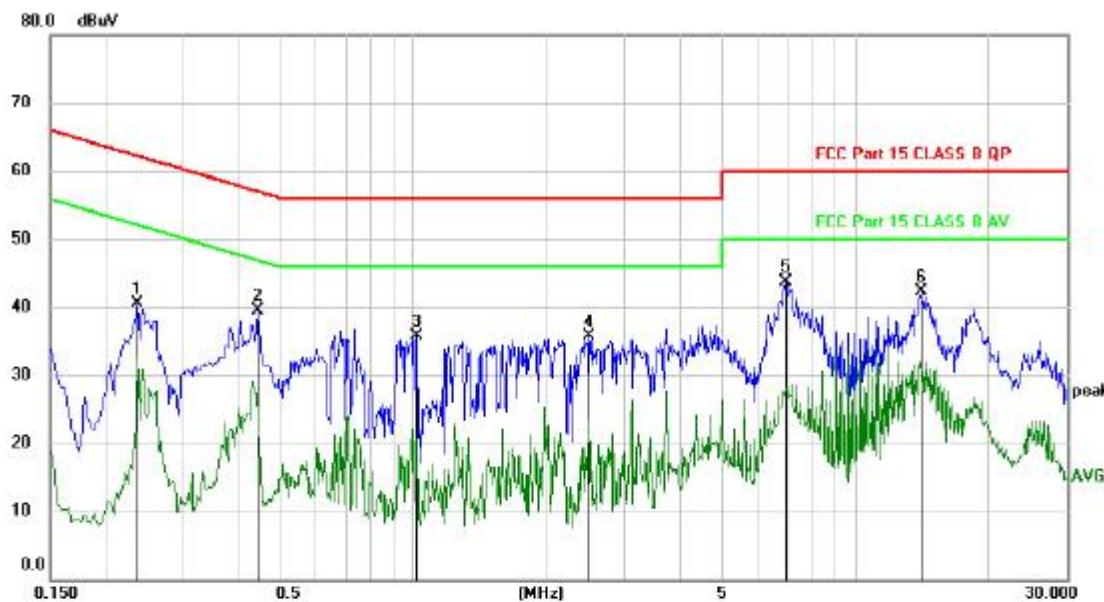
Notes: 1. \* Decreasing linearly with logarithm of frequency.  
2. The lower limit shall apply at the transition frequencies.

### 10.3. 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 C63.10:2013 on conducted Emission test.
- (4) The bandwidth of test receiver is set at 10KHz.
- (5) The frequency range from 150 KHz to 30MHz is checked.

#### 10.4. Test Result

Pass

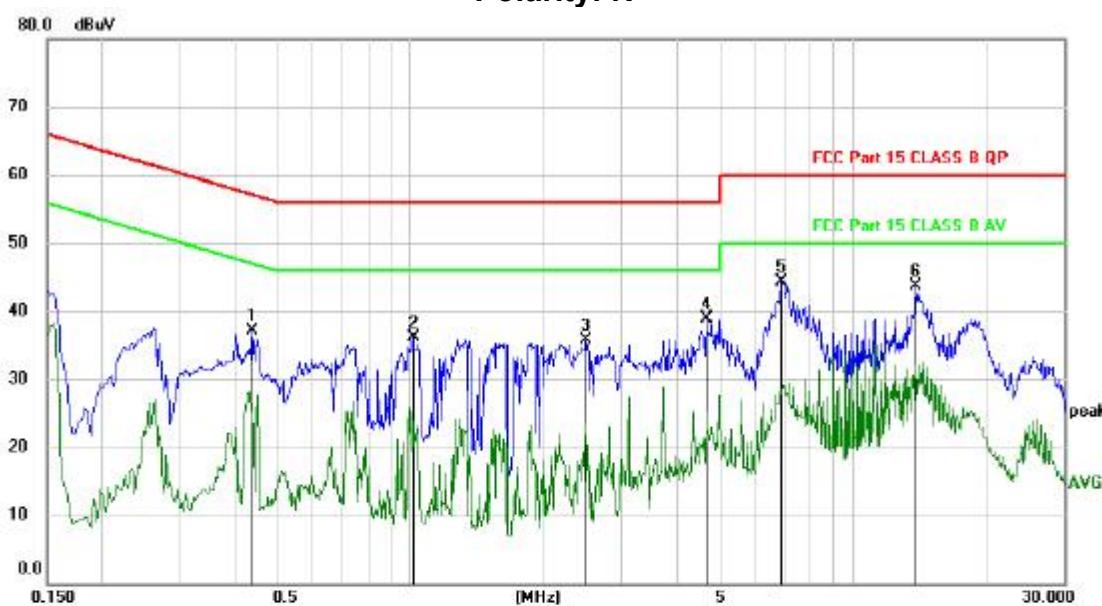
**Polarity: L**

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Comment
			Level	Factor	ment			
		MHz	dBuV	dB	dBuV	dB	Detector	
1		0.2370	30.62	9.96	40.58	62.20	-21.62	peak
2		0.4440	29.65	9.95	39.60	56.99	-17.39	peak
3		1.0170	25.79	9.92	35.71	56.00	-20.29	peak
4		2.4870	25.86	9.91	35.77	56.00	-20.23	peak
5	*	6.9300	33.60	10.12	43.72	60.00	-16.28	peak
6		13.9950	32.06	10.31	42.37	60.00	-17.63	peak

\*:Maximum data x:Over limit !:over margin

(Reference Only)

Note: Measurement=Reading Level+Correc Factor. Factor=(LISN or ISN or PLC or Current Probe)Factor+Cable

**Polarity: N**

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Detector	Comment
			Level	Factor	ment				
		MHz	dBuV	dB	dBuV	dB			
1		0.4380	27.13	9.95	37.08	57.10	-20.02	peak	
2		1.0140	26.09	9.92	36.01	56.00	-19.99	peak	
3		2.4870	25.89	9.91	35.80	56.00	-20.20	peak	
4		4.6650	28.95	10.02	38.97	56.00	-17.03	peak	
5	*	6.9030	34.17	10.12	44.29	60.00	-15.71	peak	
6		13.8420	33.39	10.30	43.69	60.00	-16.31	peak	

\*:Maximum data x:Over limit !:over margin

(Reference Only)

Note: Measurement=Reading Level+Correc Factor. Factor=(LISN or ISN or PLC or Current Probe)Factor+Cable

## 11. ANTENNA REQUIREMENTS

### 11.1. Limit

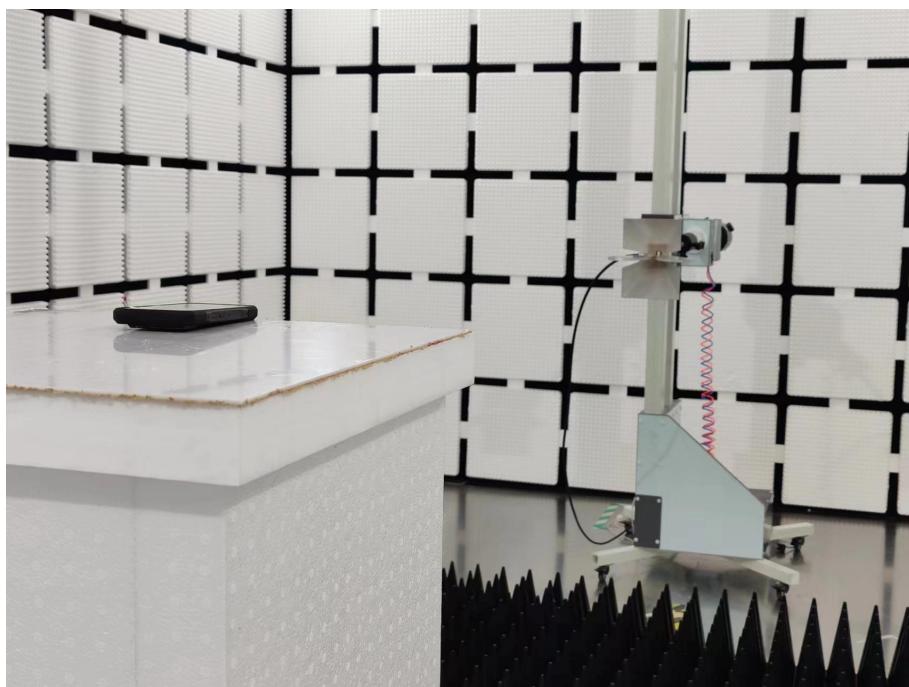
For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional 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.

### 11.2. Result

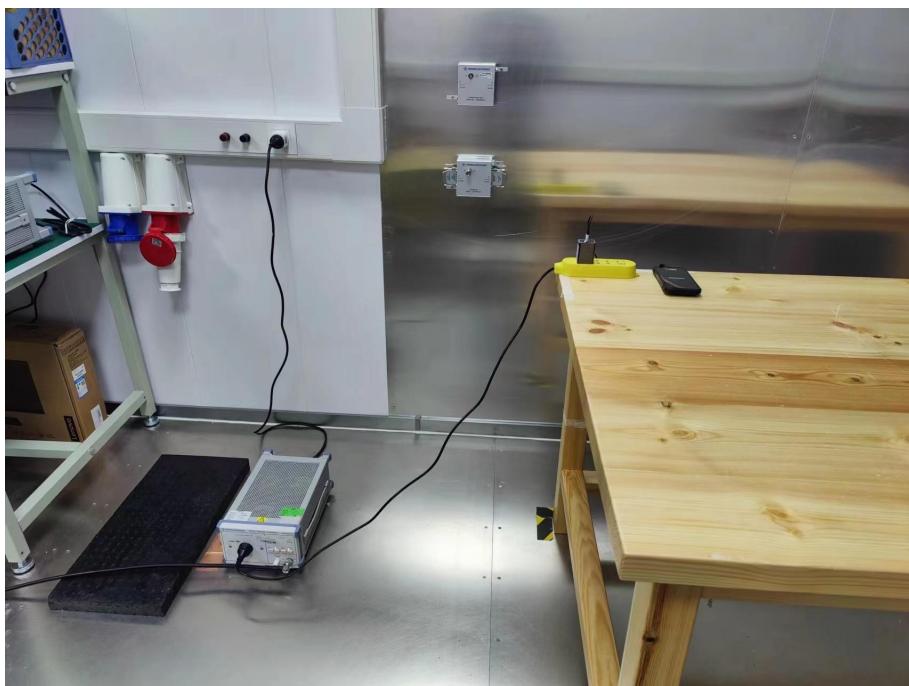
The use of an antenna that is uniquely coupled to the intended radiator shall be considered sufficient to comply with the provisions of this section.

## 12. TEST SETUP PHOTO

### 12.1. Photo of Radiated Emission test



## 12.2.Photo of Conducted Emission test



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