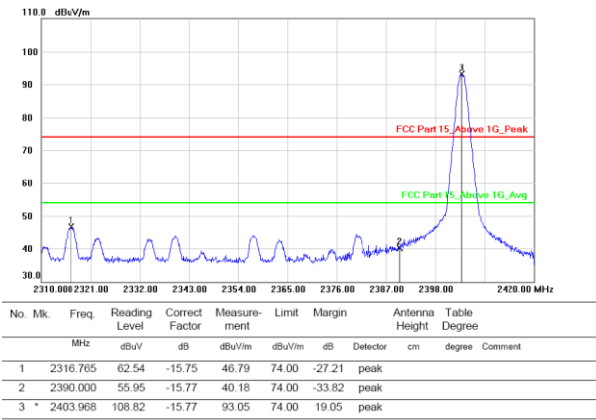
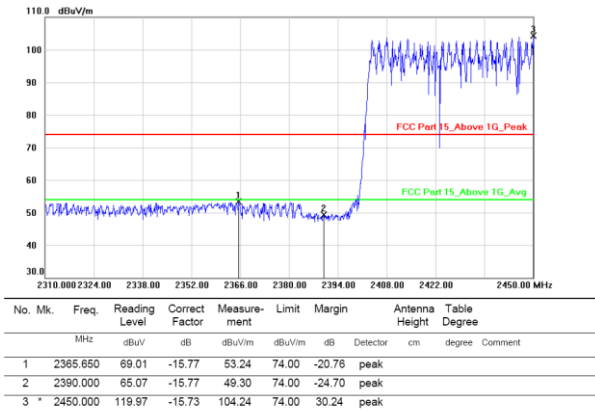


Test Mode: GFSK-Low (2404MHz)  
Polarization: Vertical

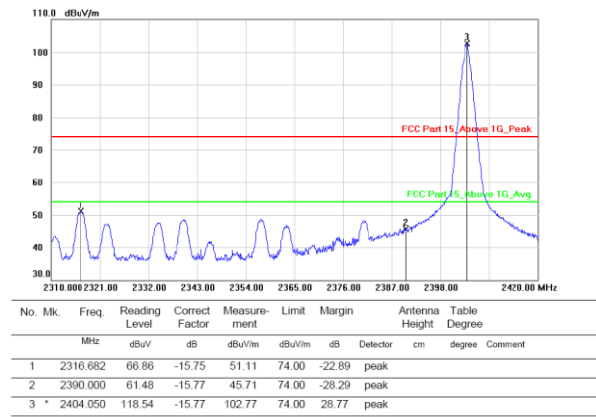


hopping-off

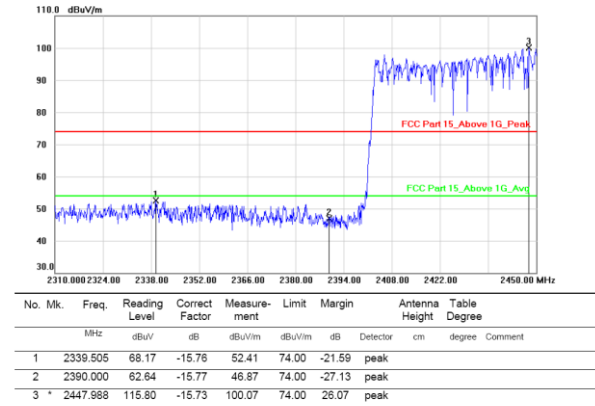


hopping-on

Polarization: Horizontal

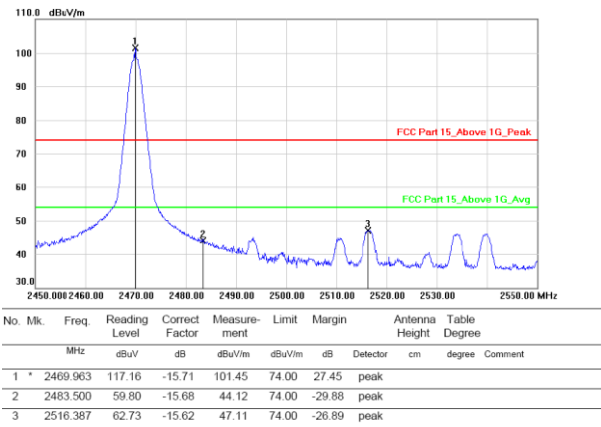


hopping-off

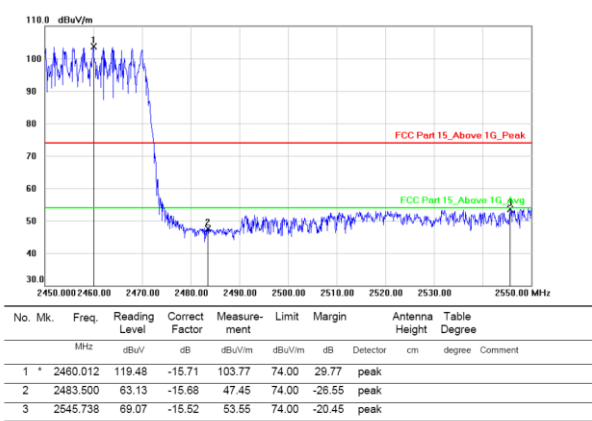


hopping-on

Test Mode: GFSK-High (2470MHz)  
Polarization: Vertical

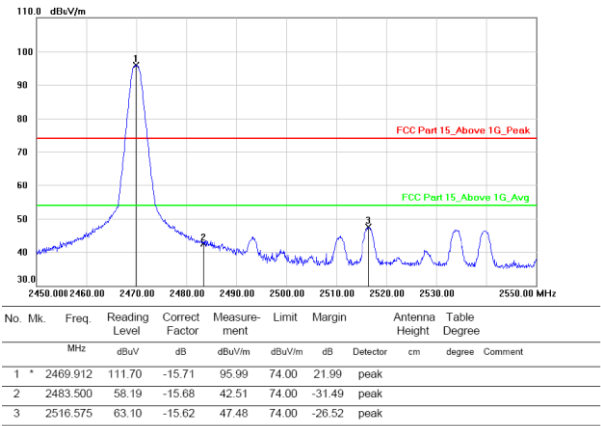


hopping-off

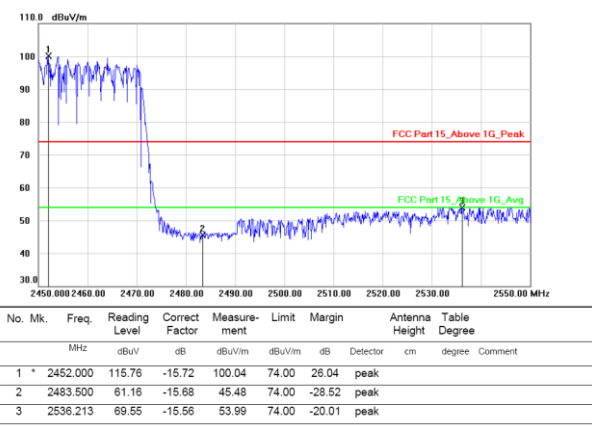


hopping-on

Polarization: Horizontal

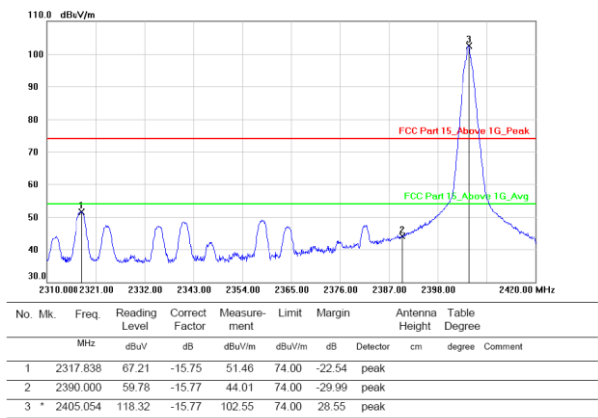


hopping-off

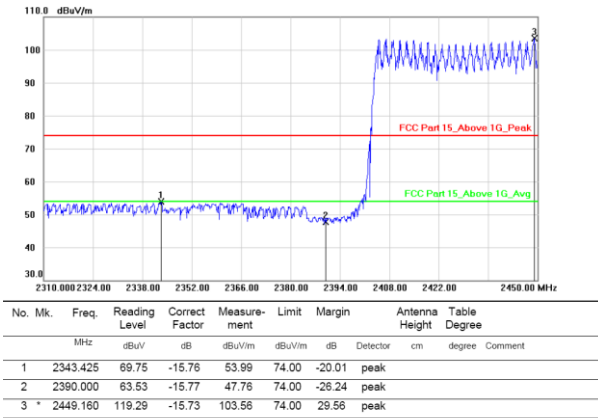


hopping-on

Test Mode: GFSK-Low (2405MHz)  
Polarization: Vertical

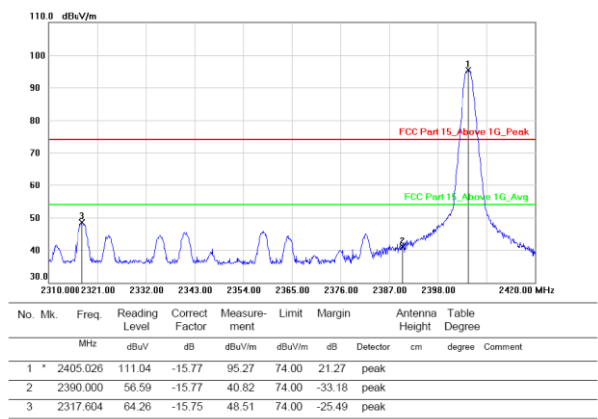


hopping-off

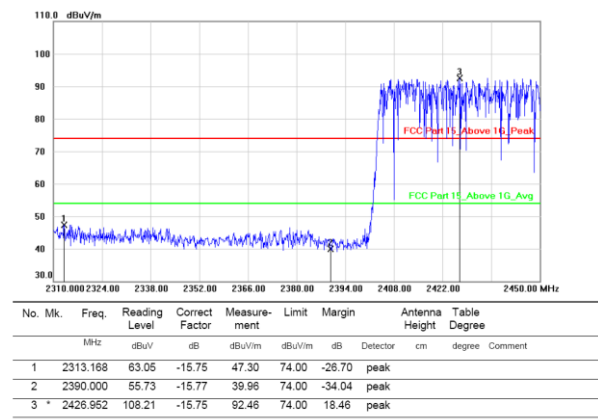


hopping-on

Polarization: Horizontal

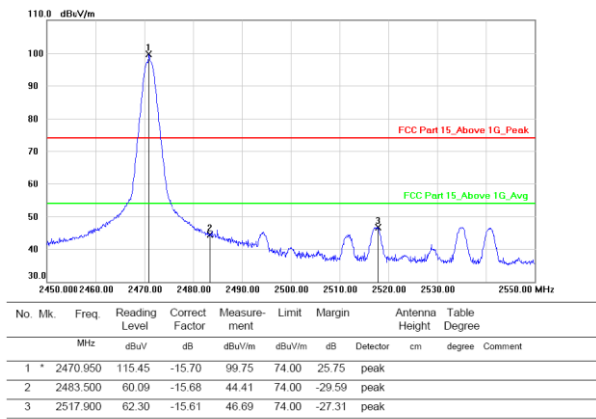


hopping-off

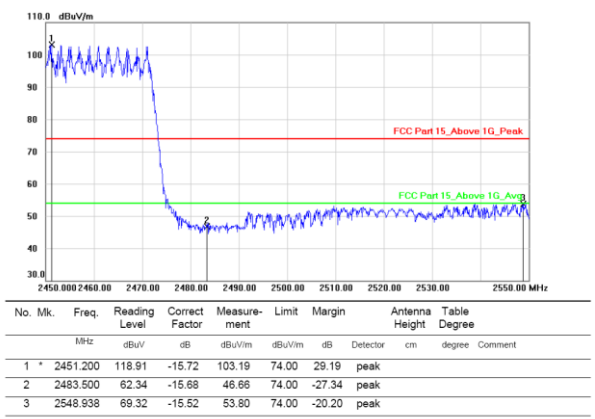


hopping-on

Test Mode: GFSK-High (2471MHz)  
Polarization: Vertical

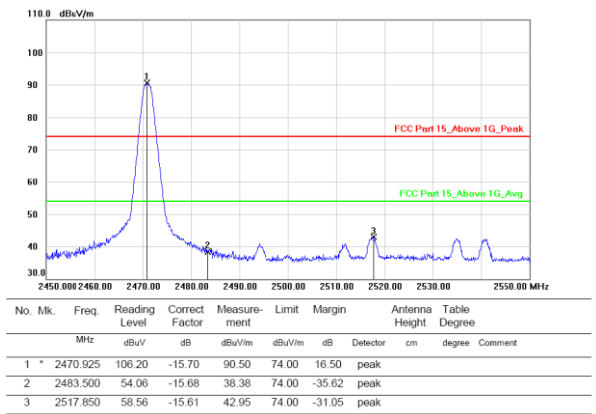


hopping-off

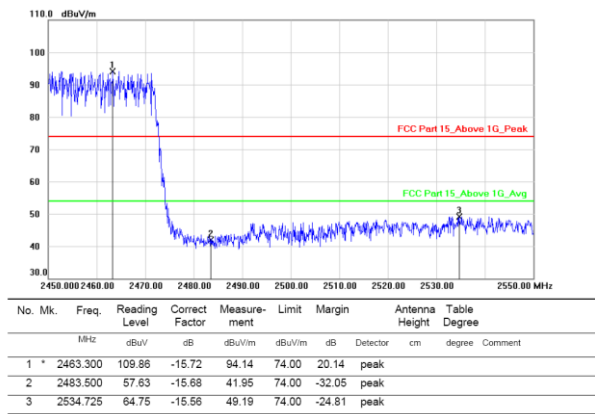


hopping-on

Polarization: Horizontal

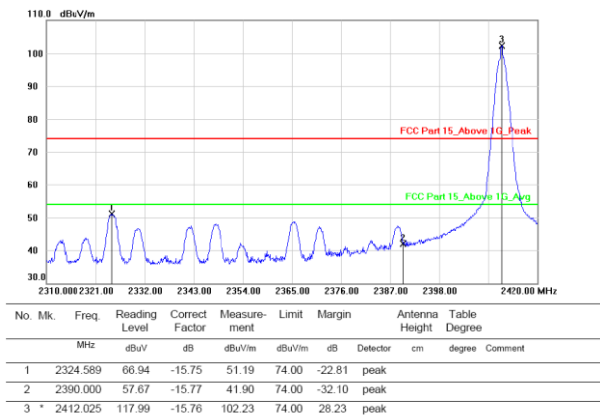


hopping-off

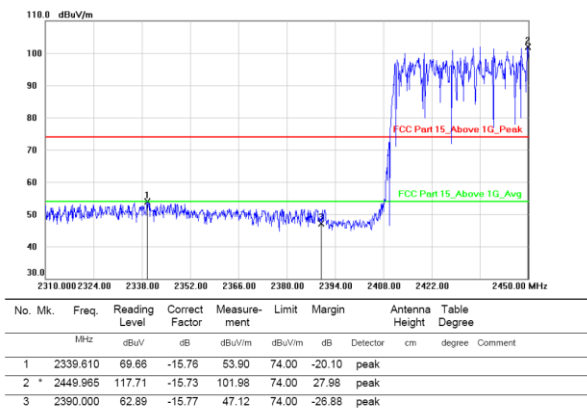


hopping-on

Test Mode: GFSK-Low (2412MHz)  
Polarization: Vertical

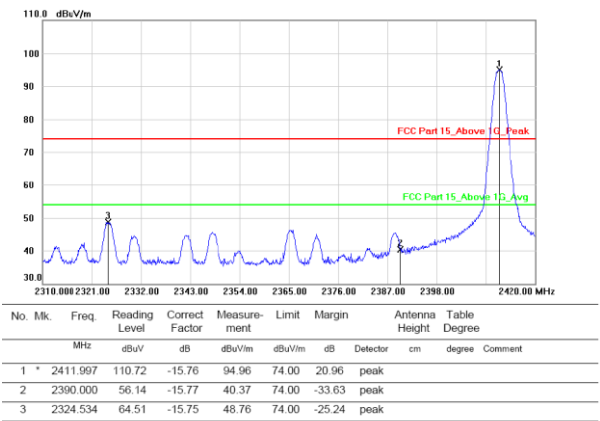


hopping-off

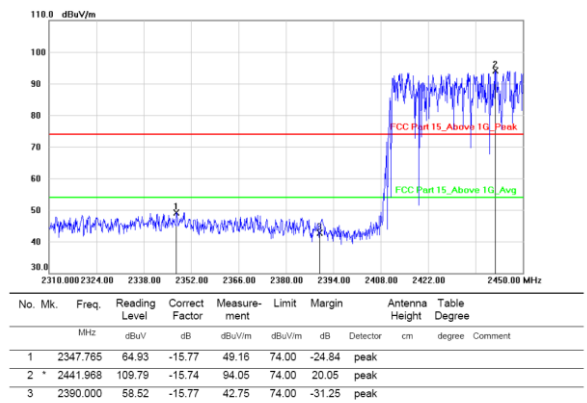


hopping-on

Polarization: Horizontal

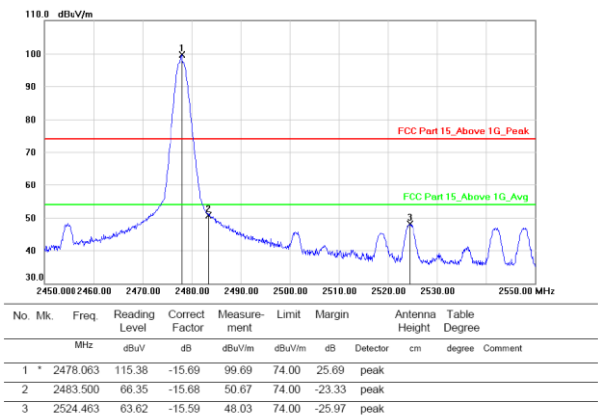


hopping-off

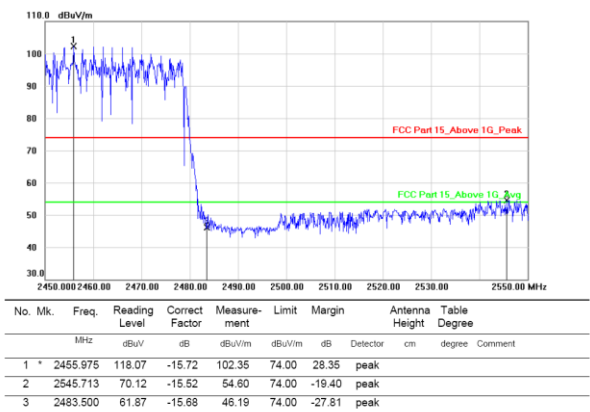


hopping-on

Test Mode: GFSK-High (2478MHz)  
Polarization: Vertical

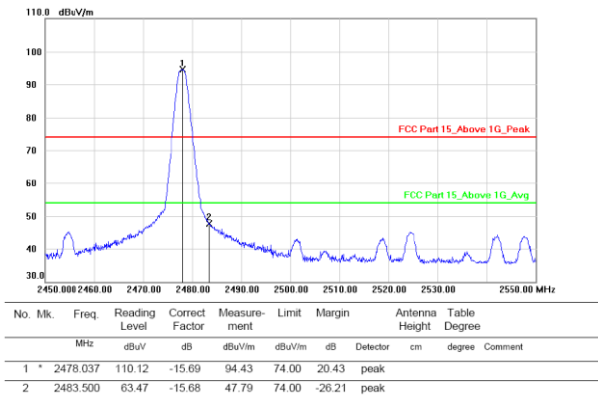


hopping-off

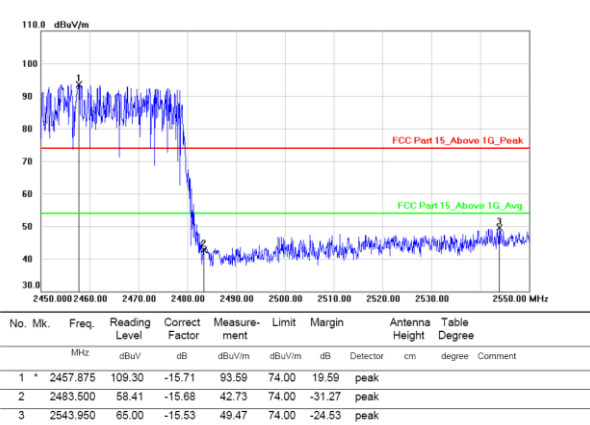


hopping-on

Polarization: Horizontal

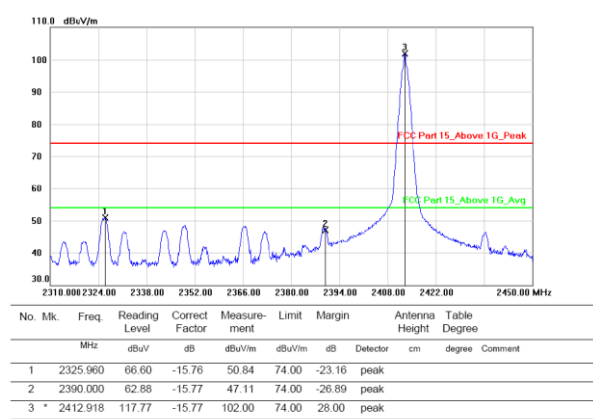


hopping-off

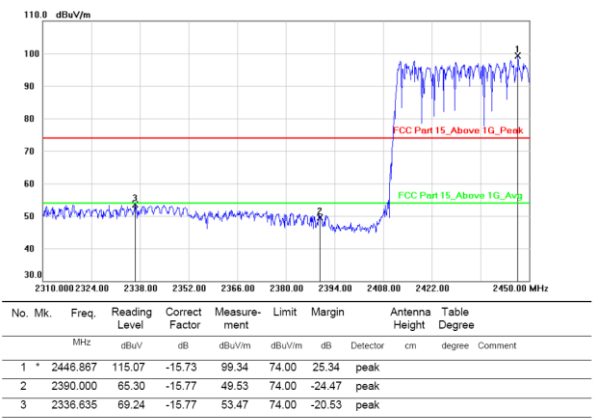


hopping-on

Test Mode: GFSK-Low (2413MHz)  
Polarization: Vertical

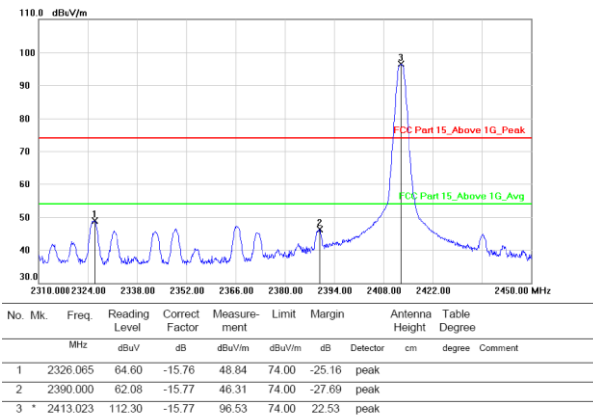


hopping-off

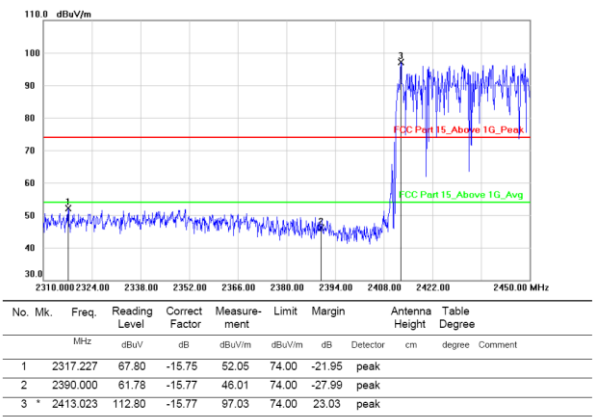


hopping-on

Polarization: Horizontal

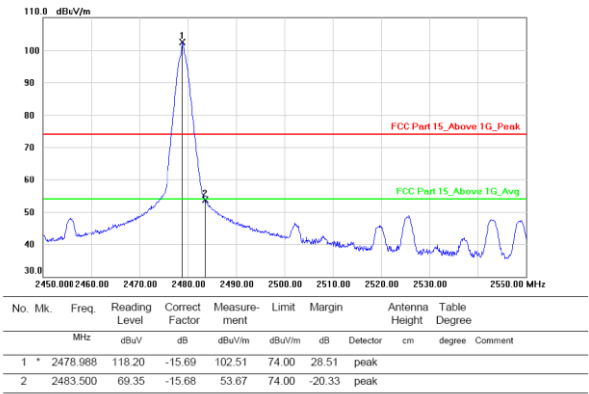


hopping-off

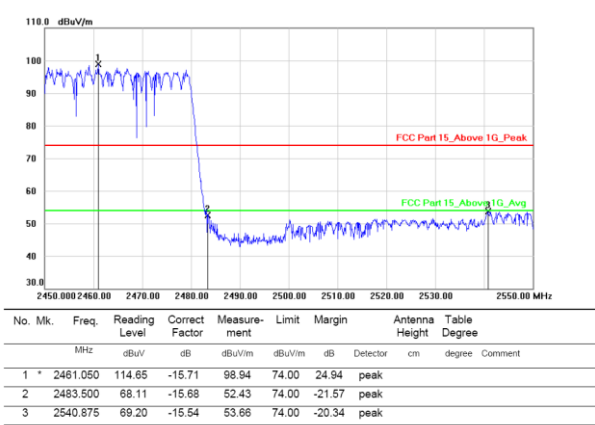


hopping-on

Test Mode: GFSK-High (2479MHz)  
Polarization: Vertical

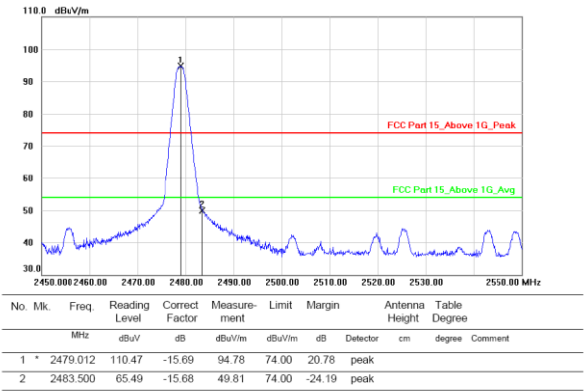


hopping-off

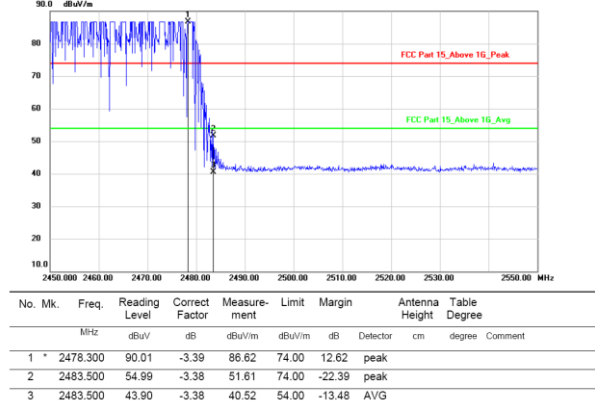


hopping-on

Polarization: Horizontal



hopping-off



hopping-on

Note: 1. \*:Maximum data; x:Over limit; !:over margin.  
2.Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.



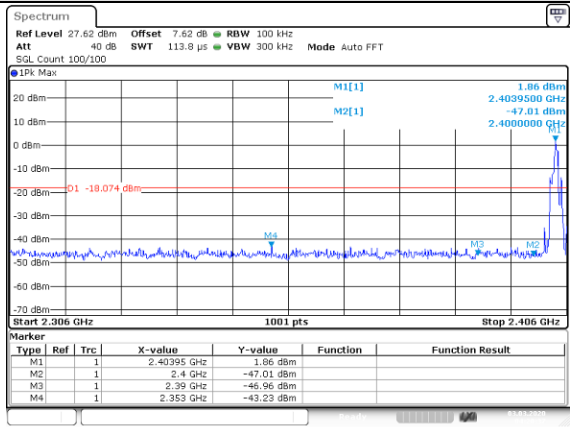
Conducted Method

GFSK Mode:

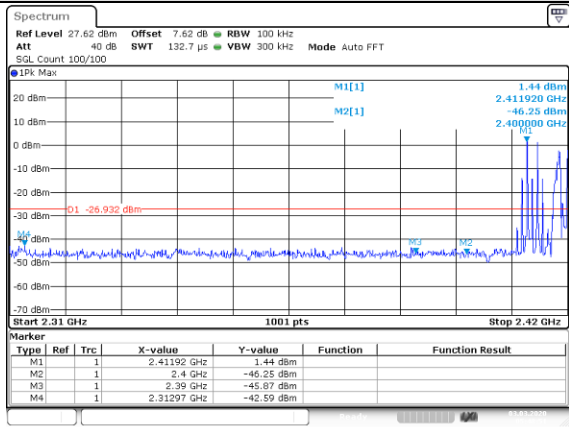
2404-2470 MHz:

Test channel:

Lowest channel



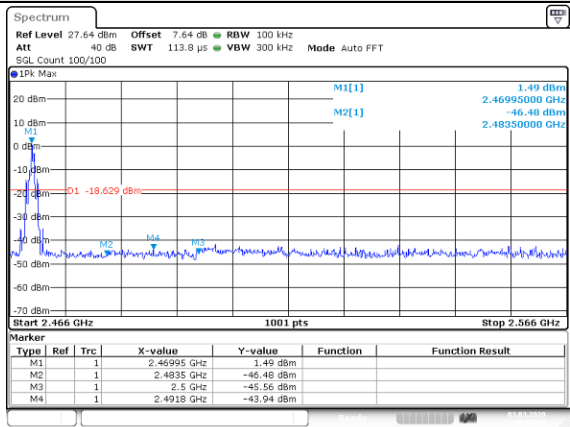
Hopping-off mode



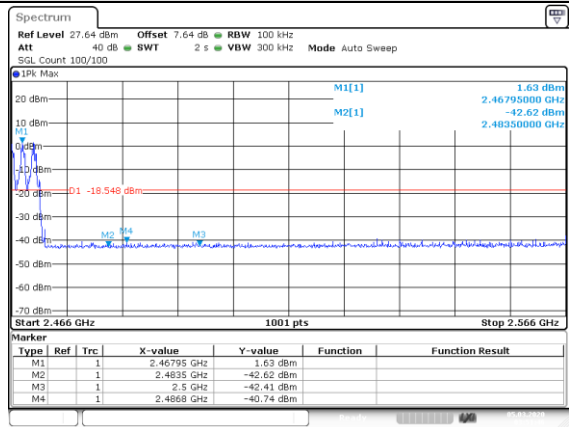
Hopping-on mode

Test channel:

Highest channel



Hopping-off mode

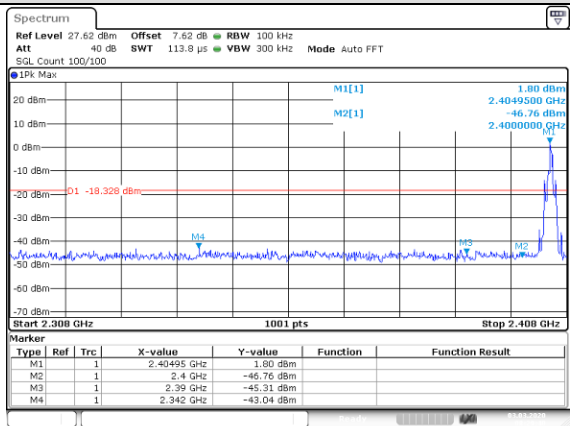


Hopping-on mode

2405-2471 MHz:

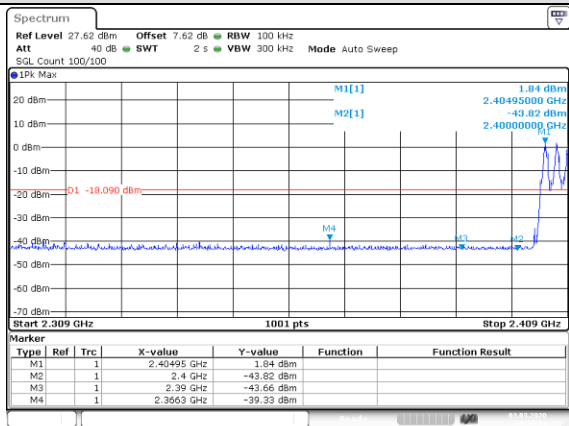
Test channel:

Lowest channel



Date: 3.MAR.2020 08:29:39

Hopping-off mode

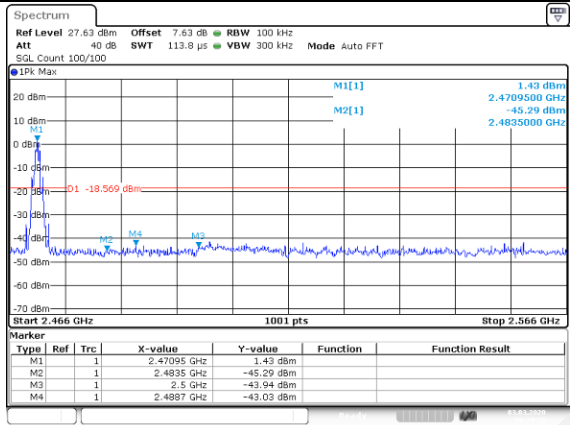


Date: 3.MAR.2020 09:50:22

Hopping-on mode

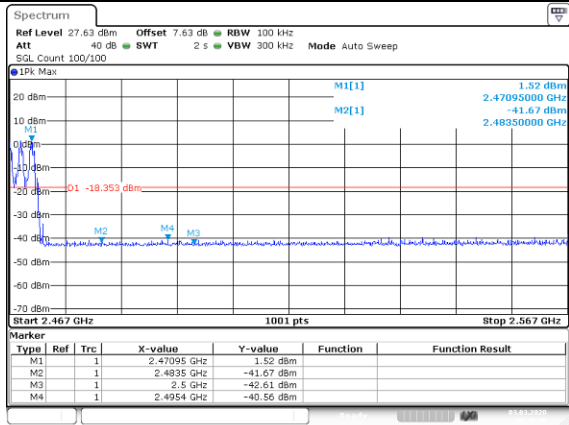
Test channel:

Highest channel



Date: 3.MAR.2020 08:39:27

Hopping-off mode



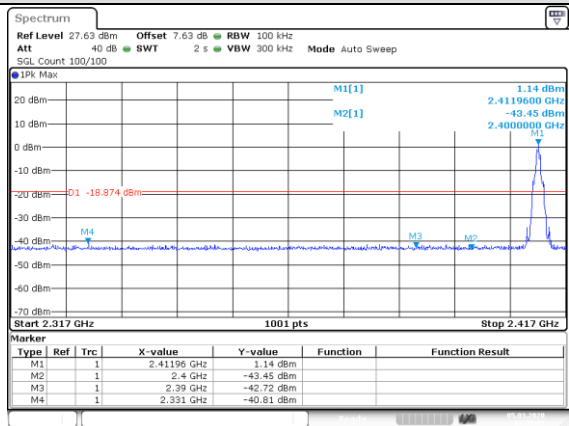
Date: 3.MAR.2020 09:40:49

Hopping-on mode

2412-2478 MHz:

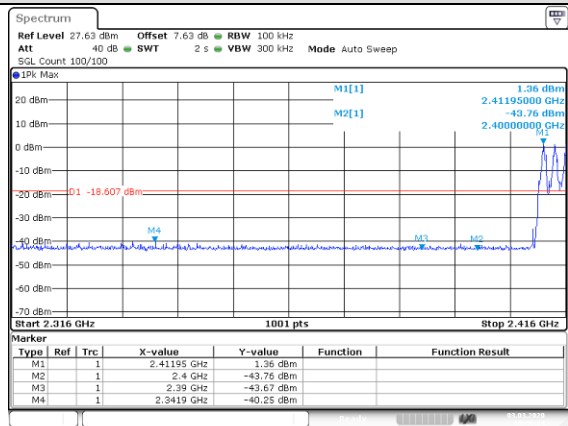
Test channel:

Lowest channel



Date: 5.MAR.2020 03:39:08

Hopping-off mode

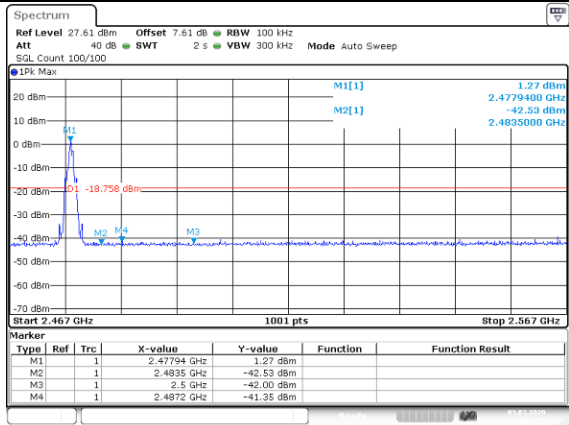


Date: 3.MAR.2020 10:49:24

Hopping-on mode

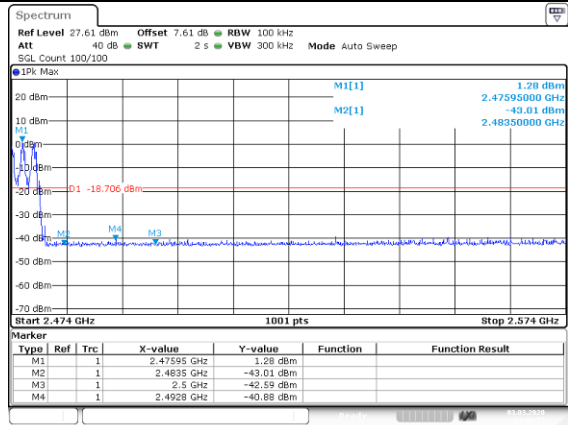
Test channel:

Highest channel



Date: 3.MAR.2020 10:26:19

Hopping-off mode



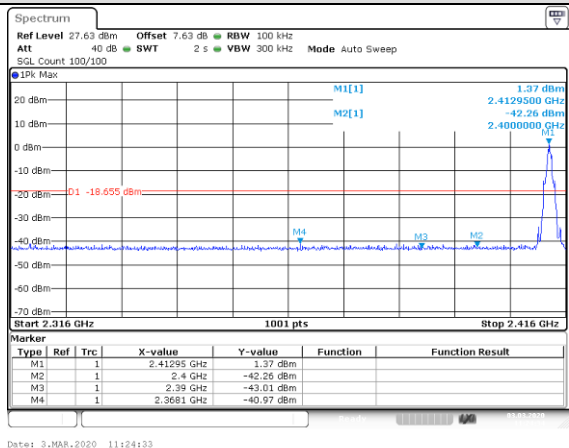
Date: 3.MAR.2020 11:08:52

Hopping-on mode

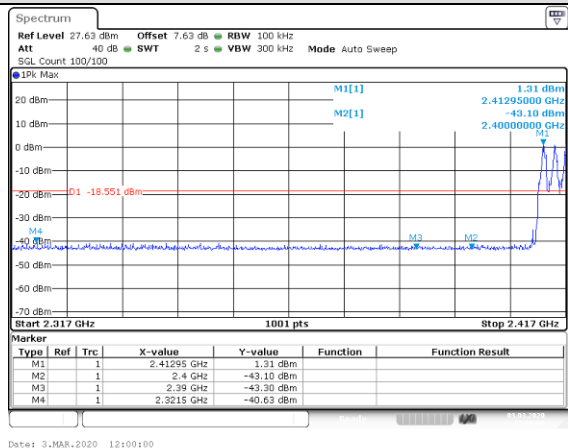
2413-2479 MHz:

Test channel:

Lowest channel



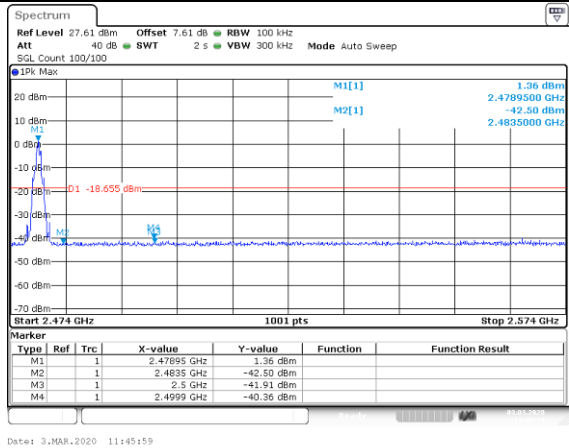
Hopping-off mode



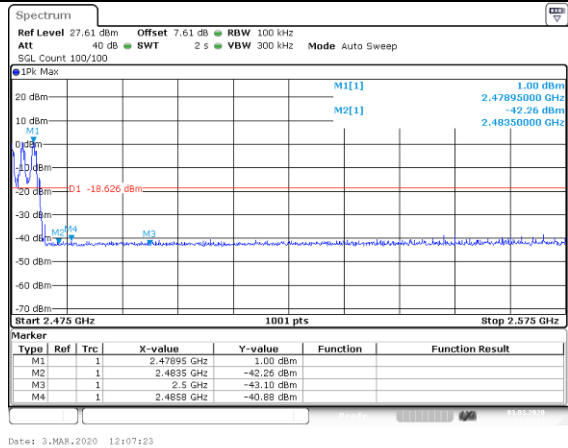
Hopping-on mode

Test channel:

Highest channel



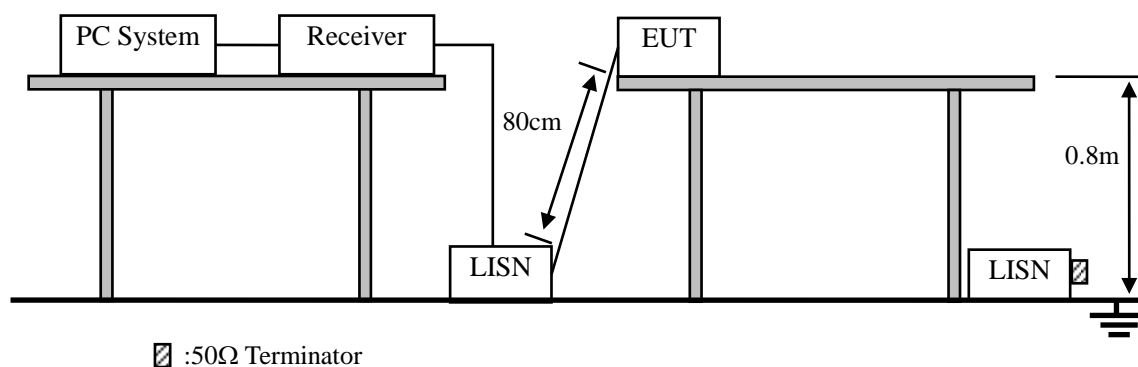
Hopping-off mode



Hopping-on mode

## 10. POWER LINE CONDUCTED EMISSIONS

### 10.1. Block Diagram of Test Setup



### 10.2. Limit

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 :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.

### 10.4. Test Result

PASS. (See below detailed test data)

Note: If peak Result comply with AV limit, QP and AV Result is deemed to comply with AV limit

## Antenna Requirements

### 10.5.Limit

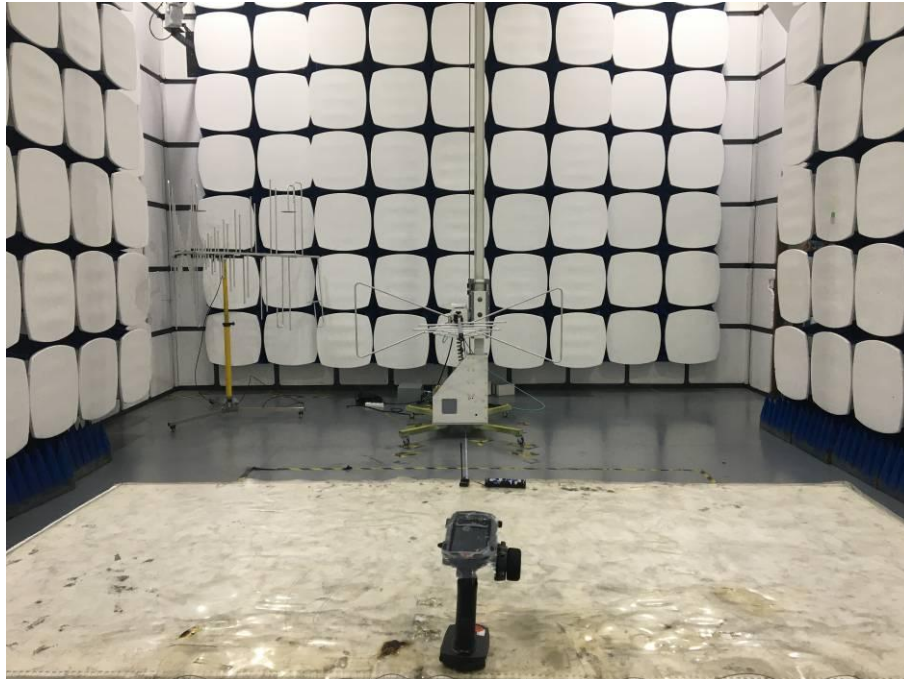
For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional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

### 10.6.Result

Not applicable for equipment operated with AA battery power supply.

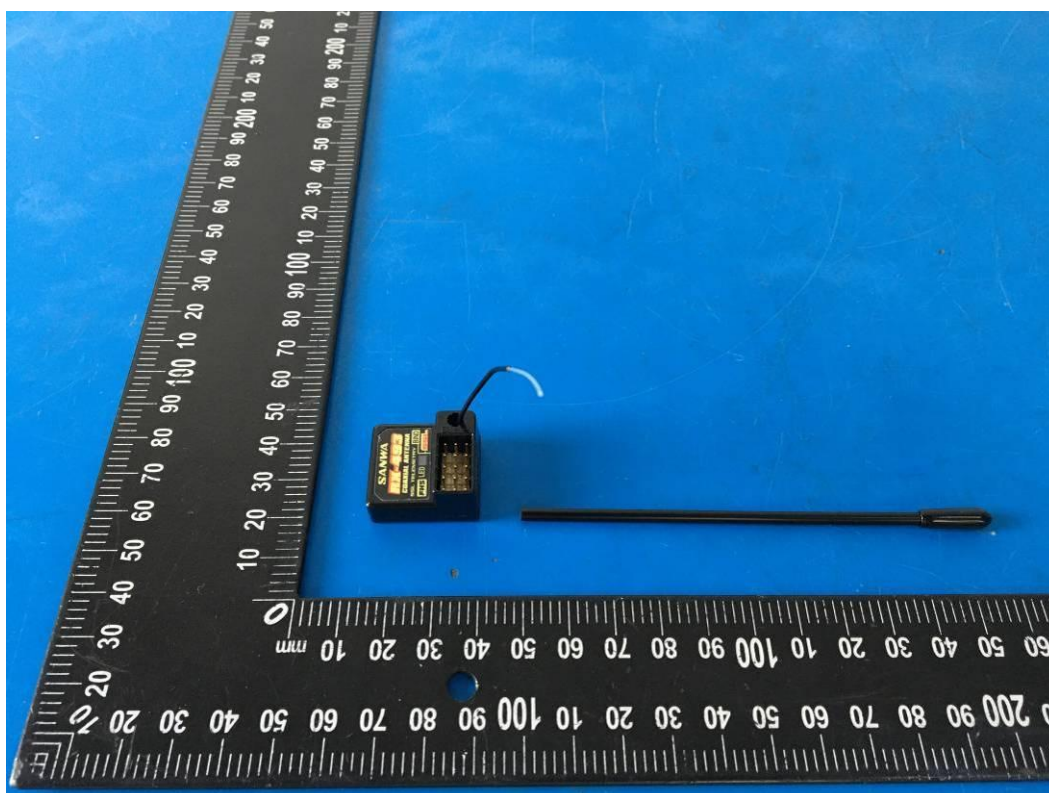
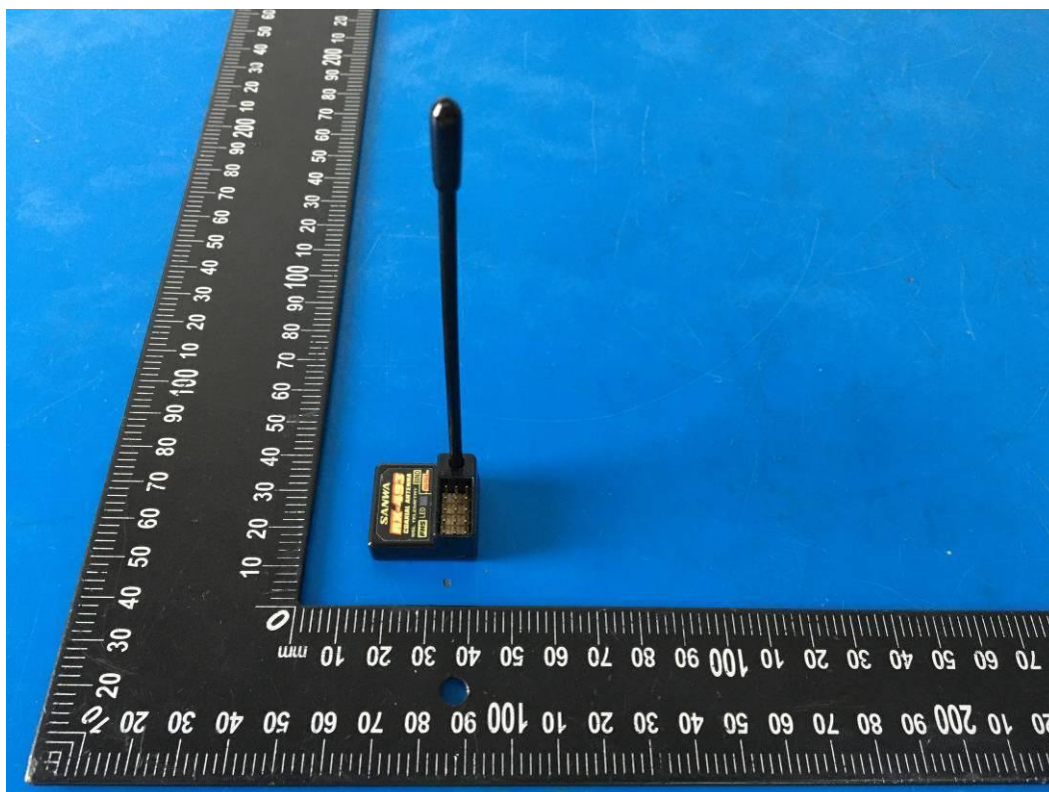
## 11. TEST SETUP PHOTO

### 11.1. Photos of Radiated emission

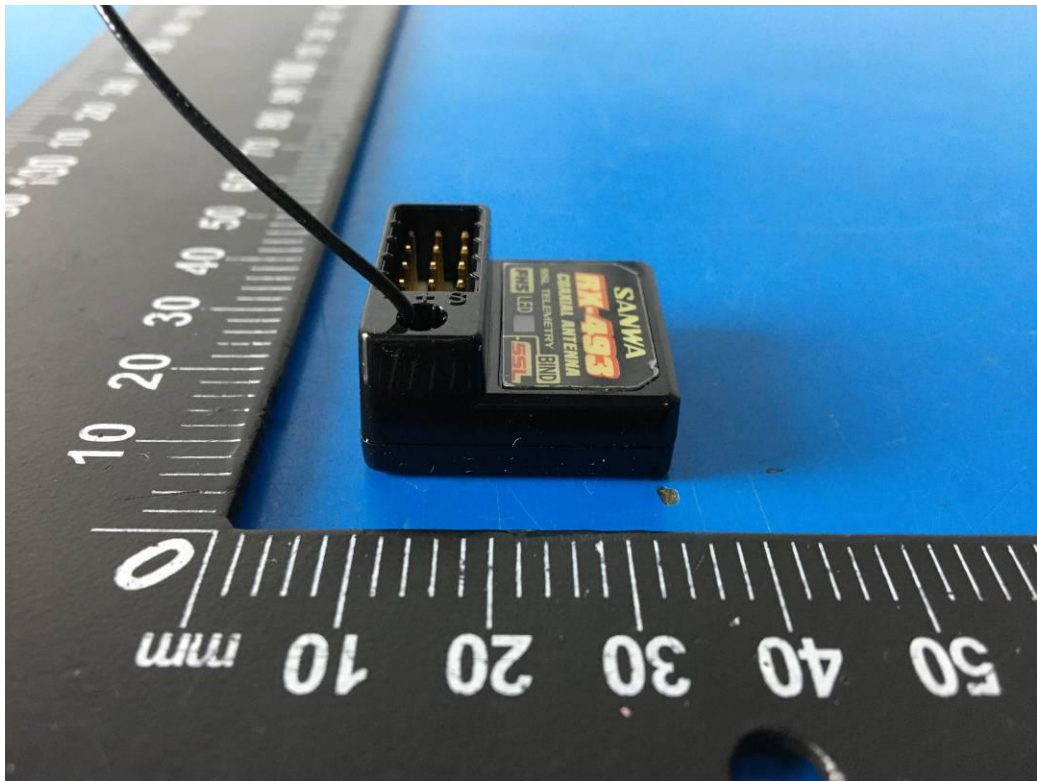
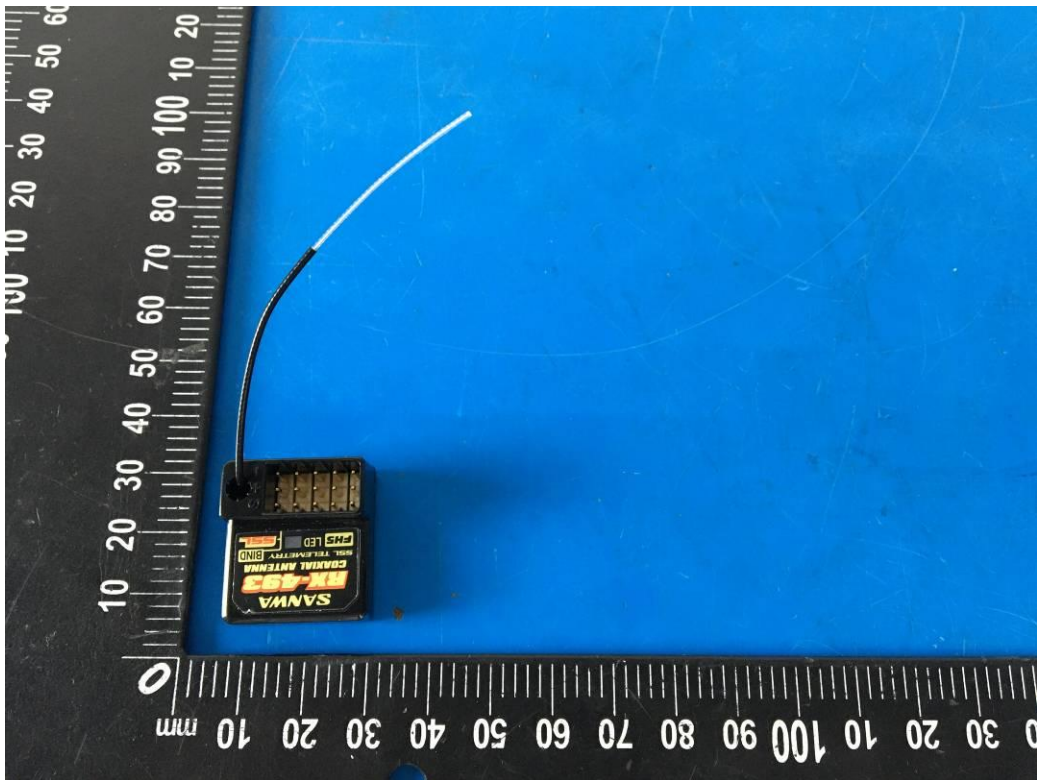


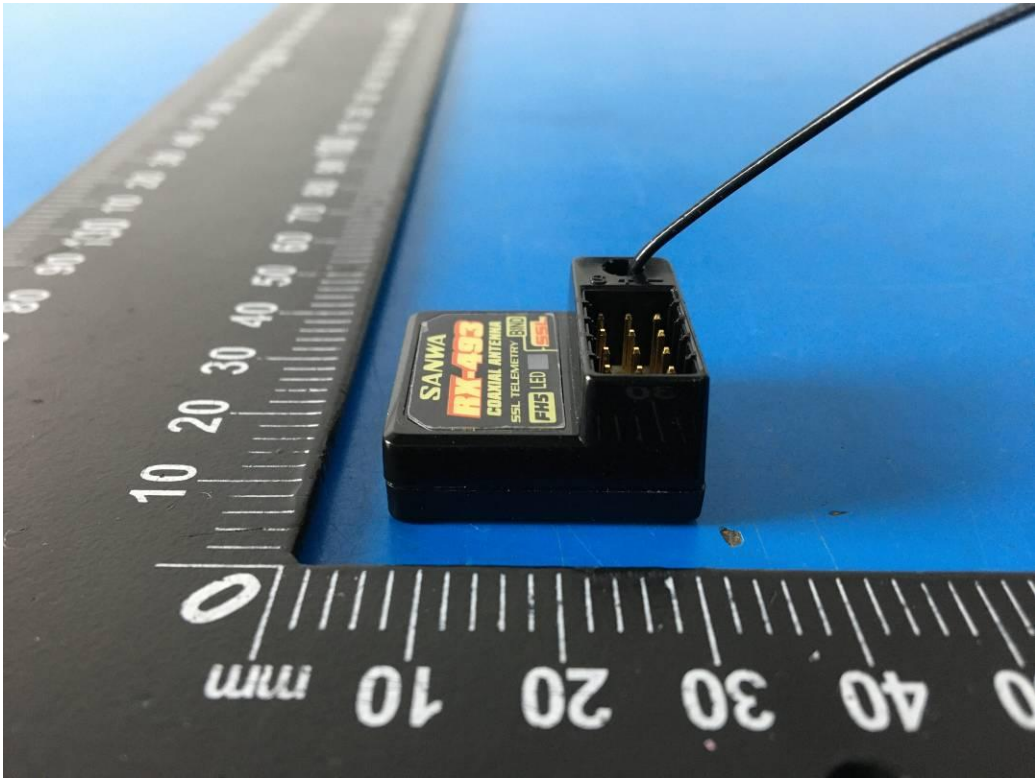
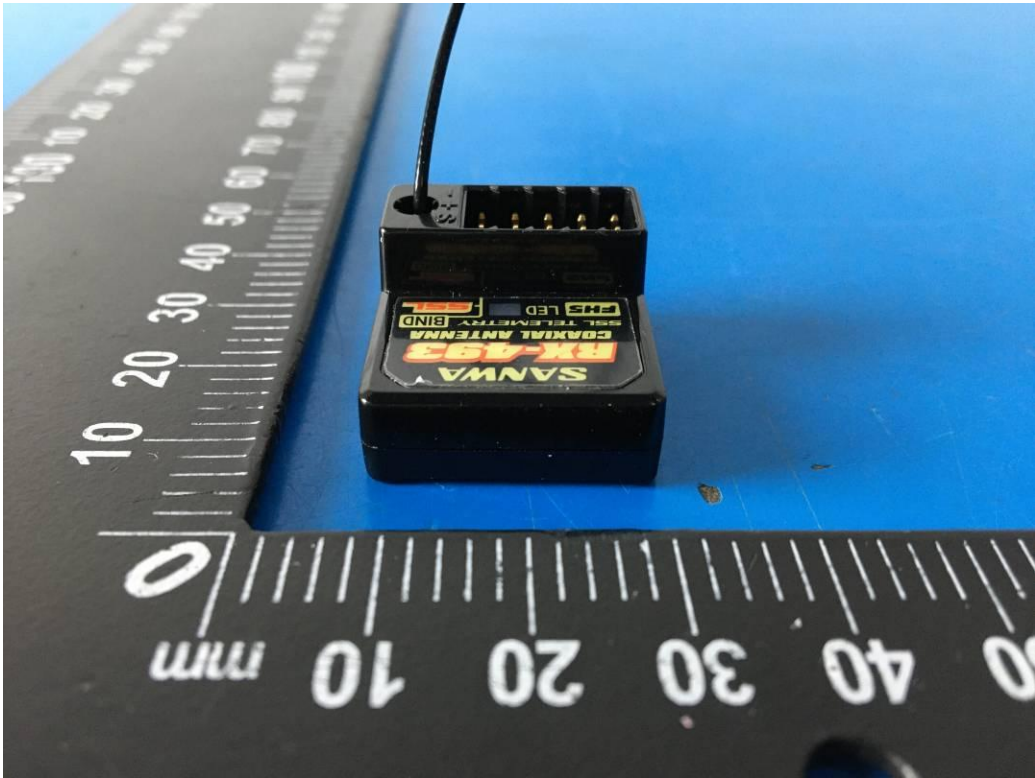


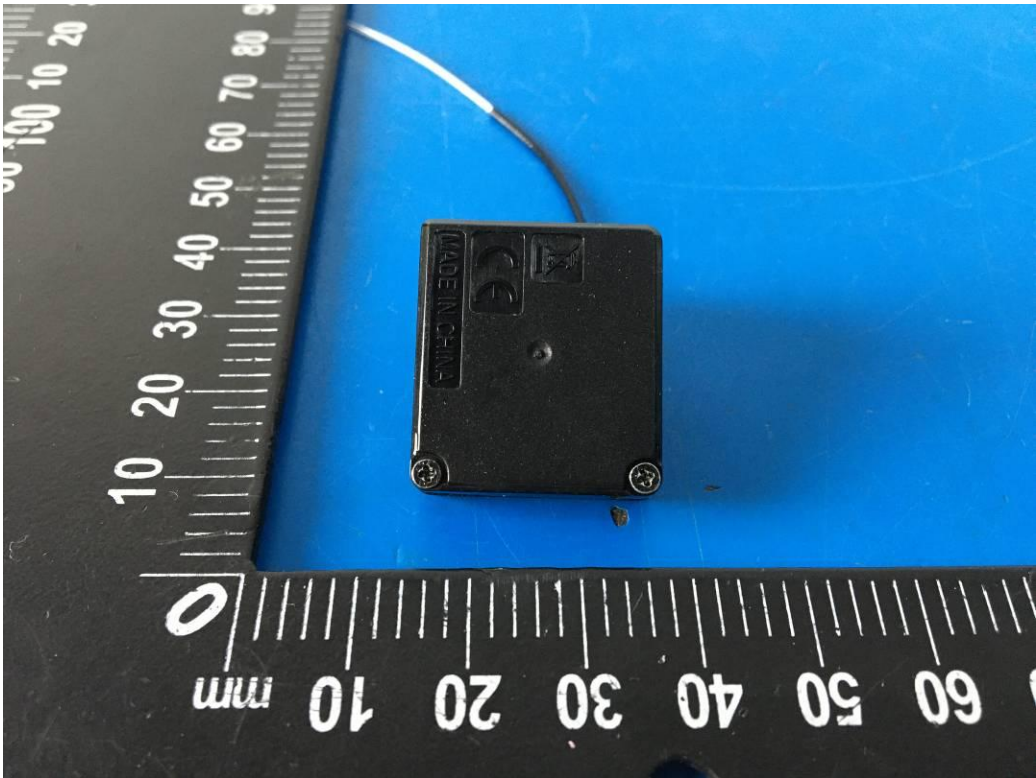
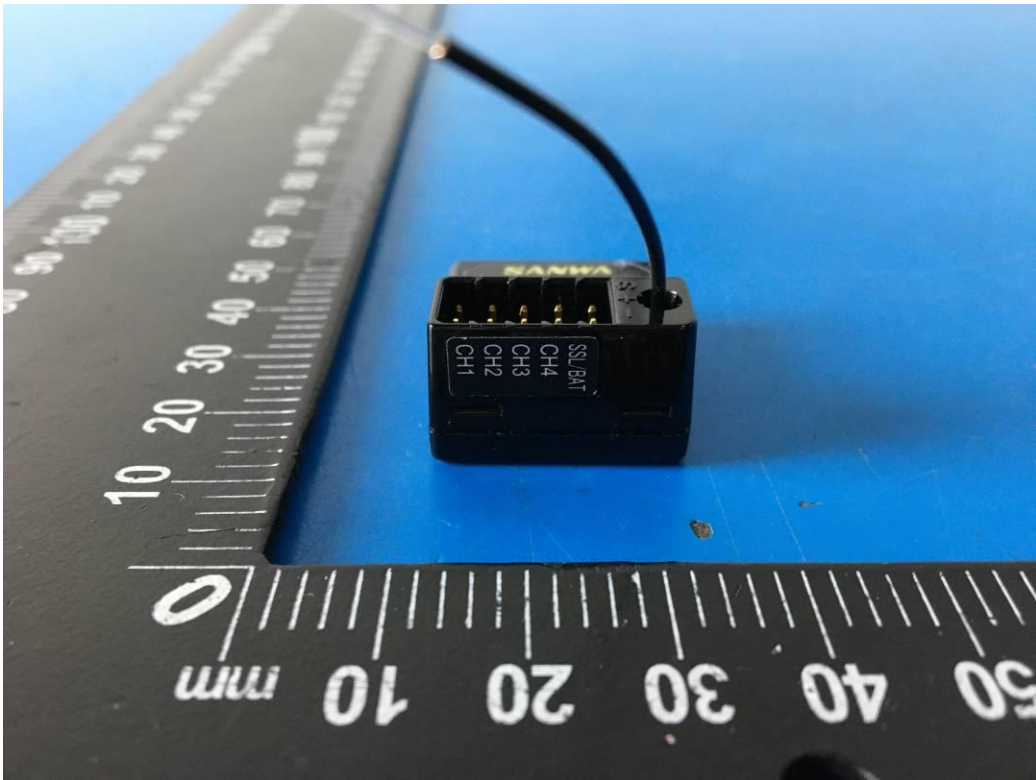
## 12. PHOTOS OF THE EUT



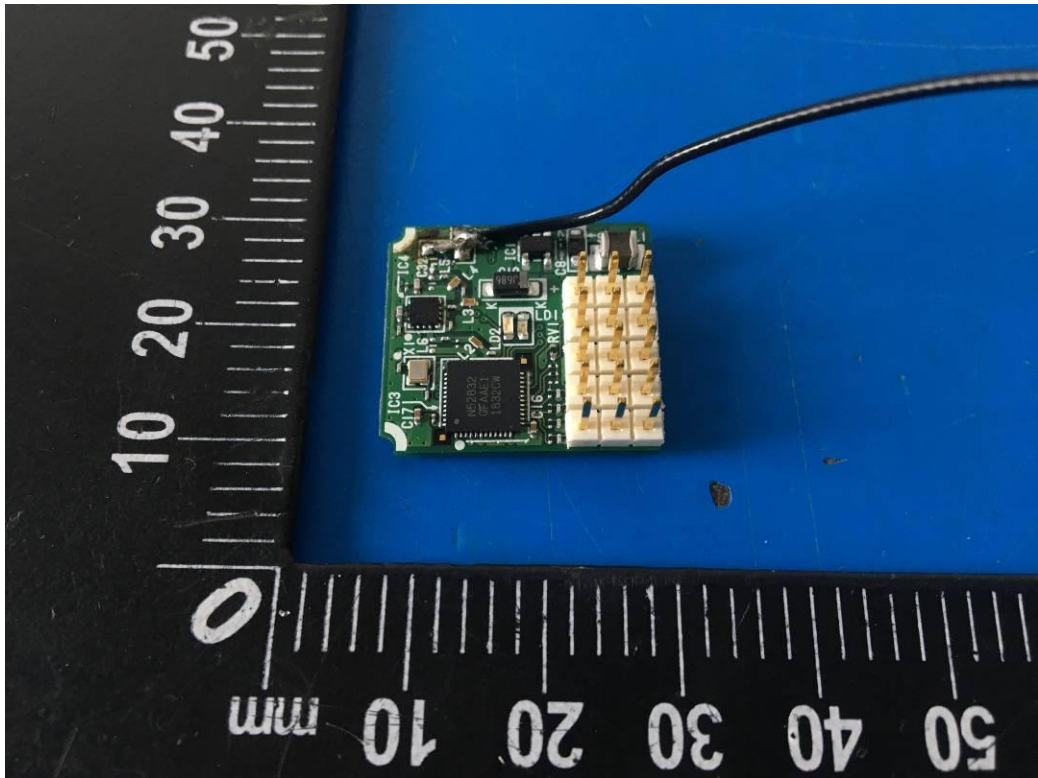
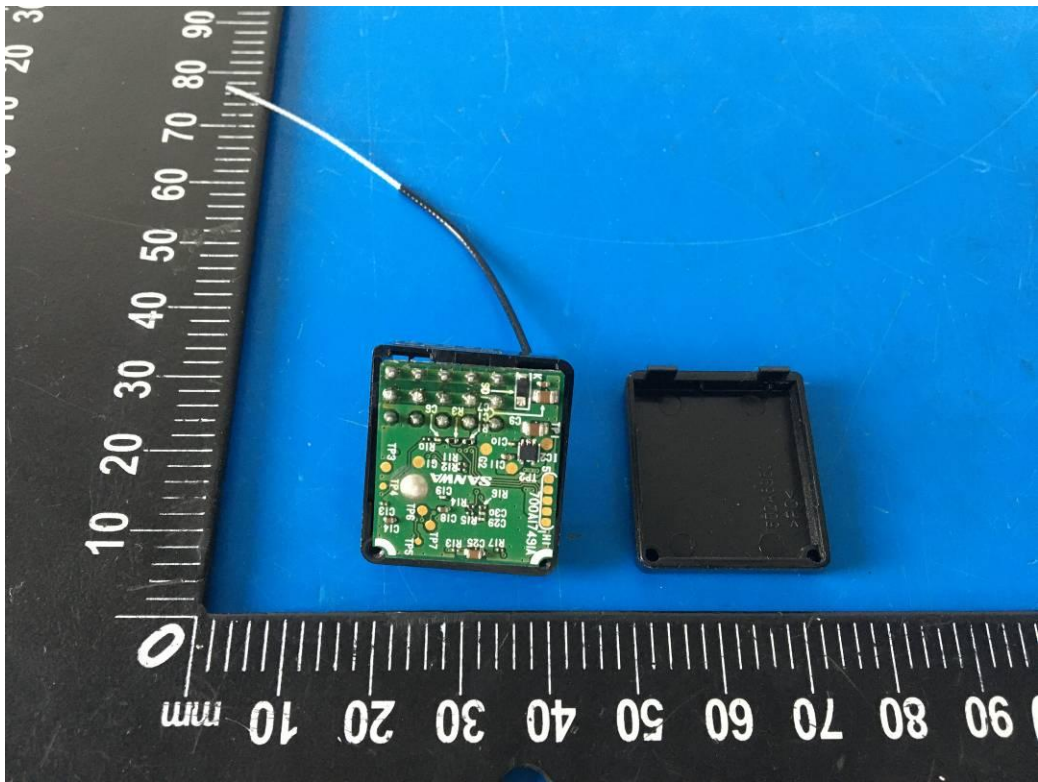


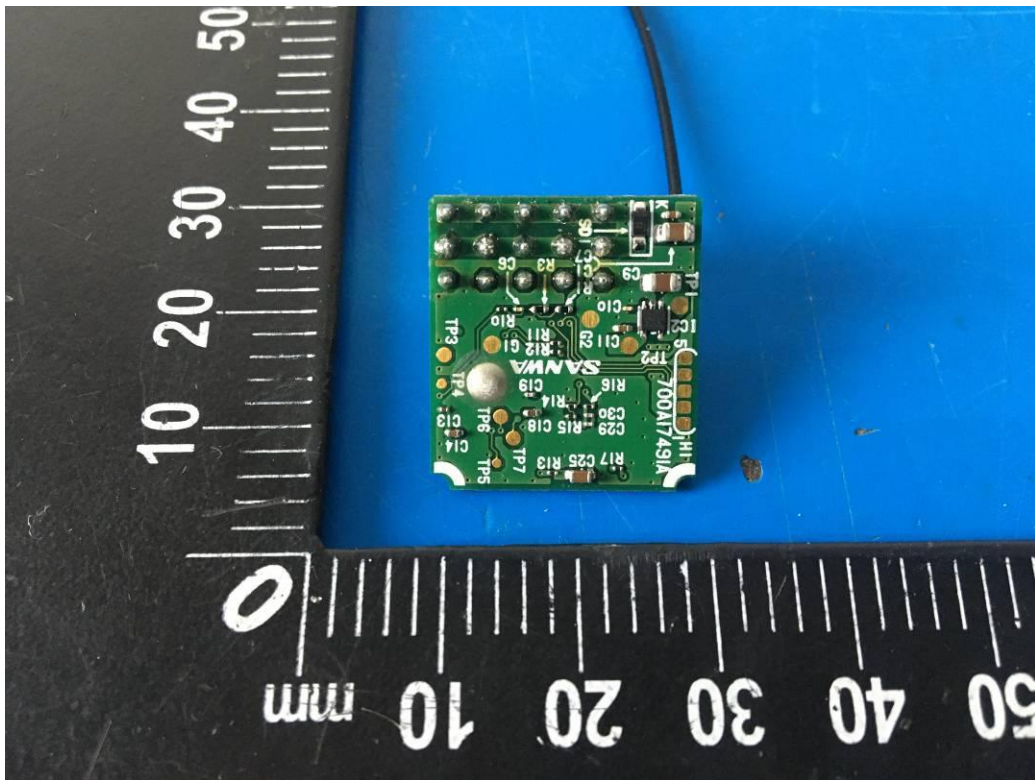












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