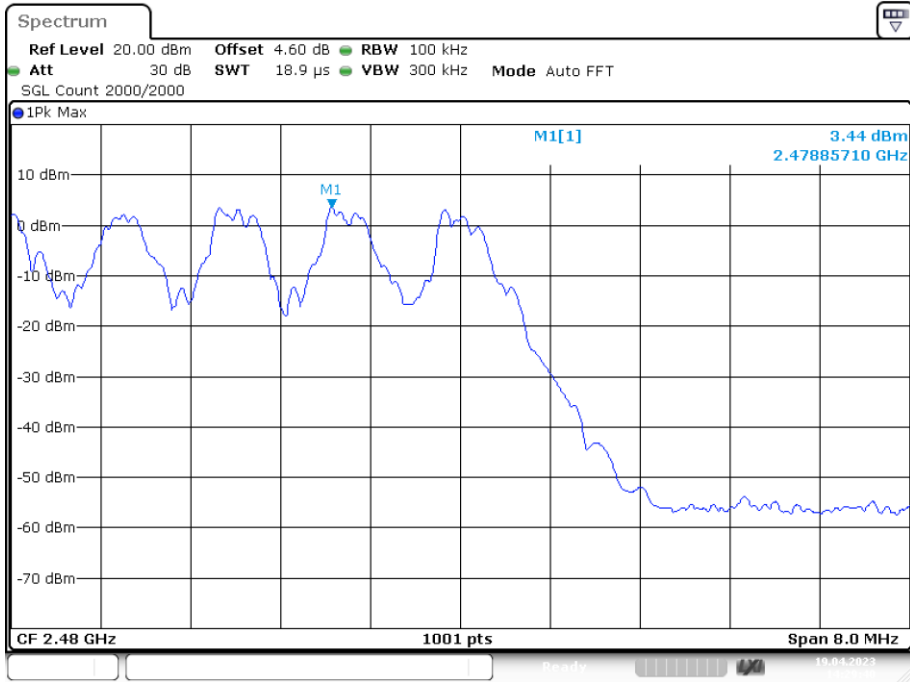
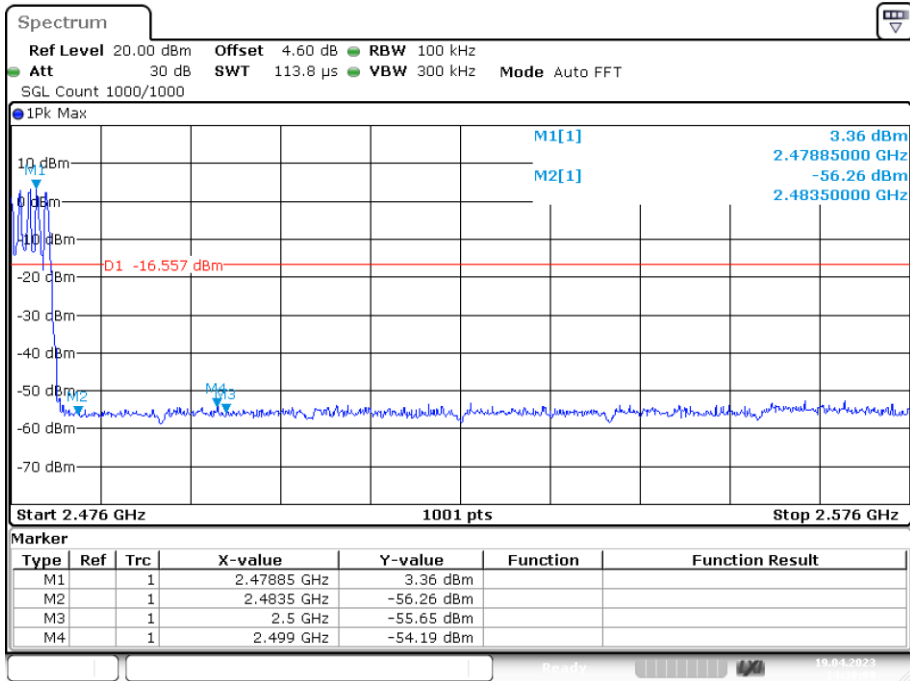


Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Ref



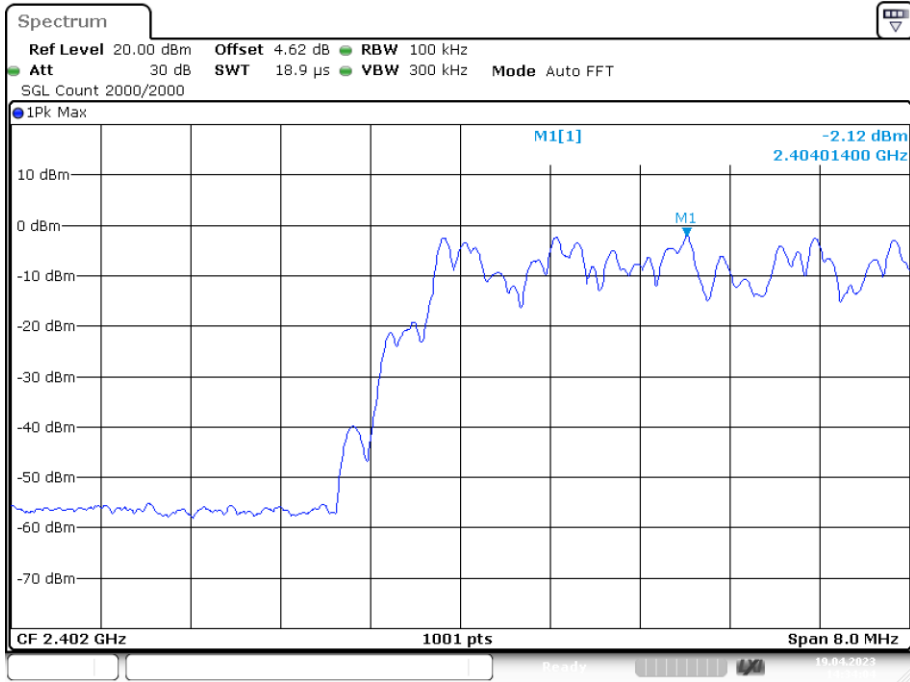
Date: 19.APR.2023 14:29:40

Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Emission



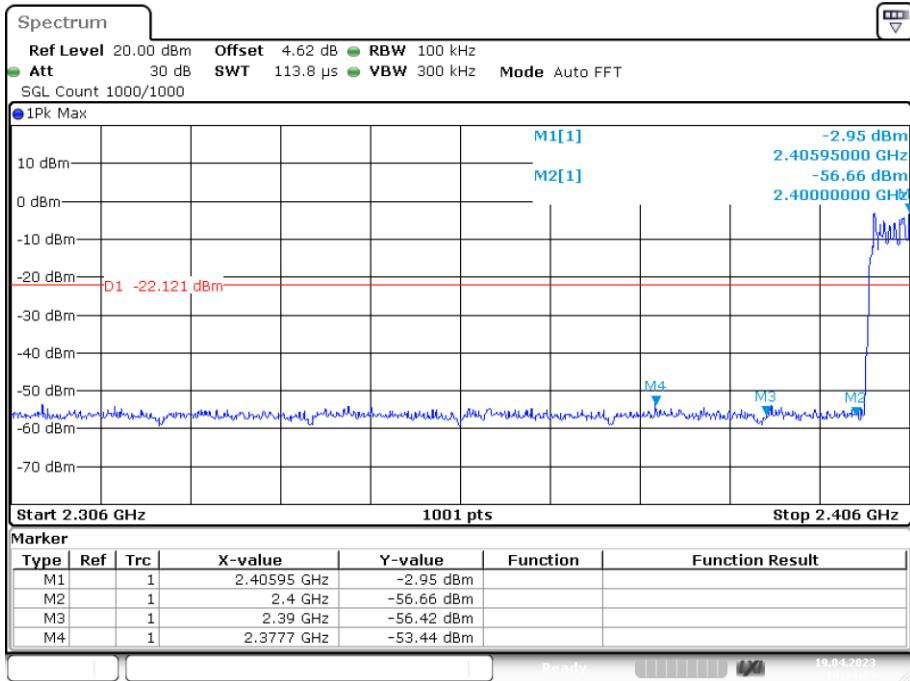
Date: 19.APR.2023 14:30:09

Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Ref



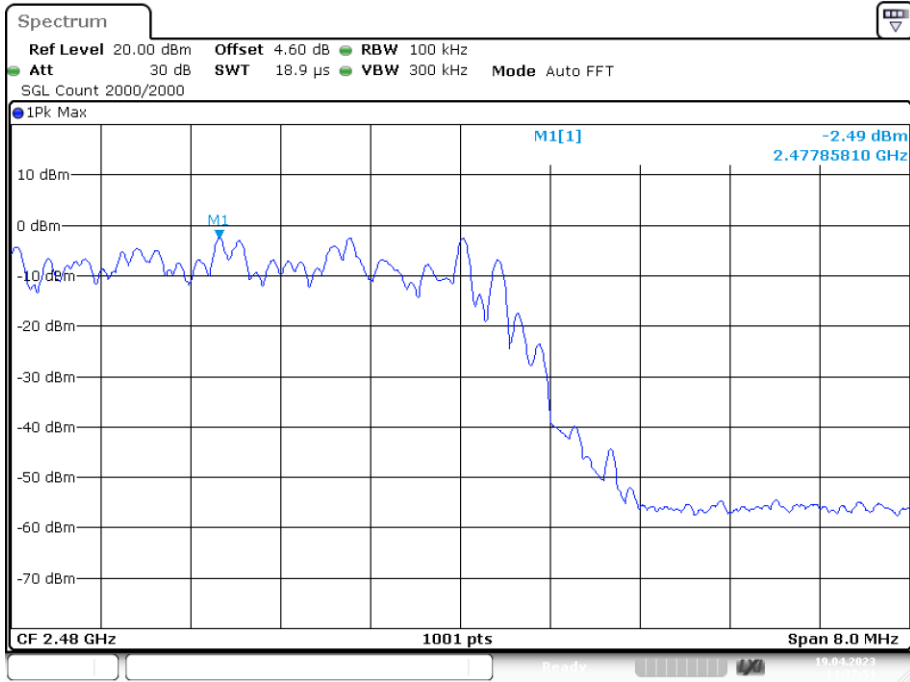
Date: 19.APR.2023 14:34:04

Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Emission



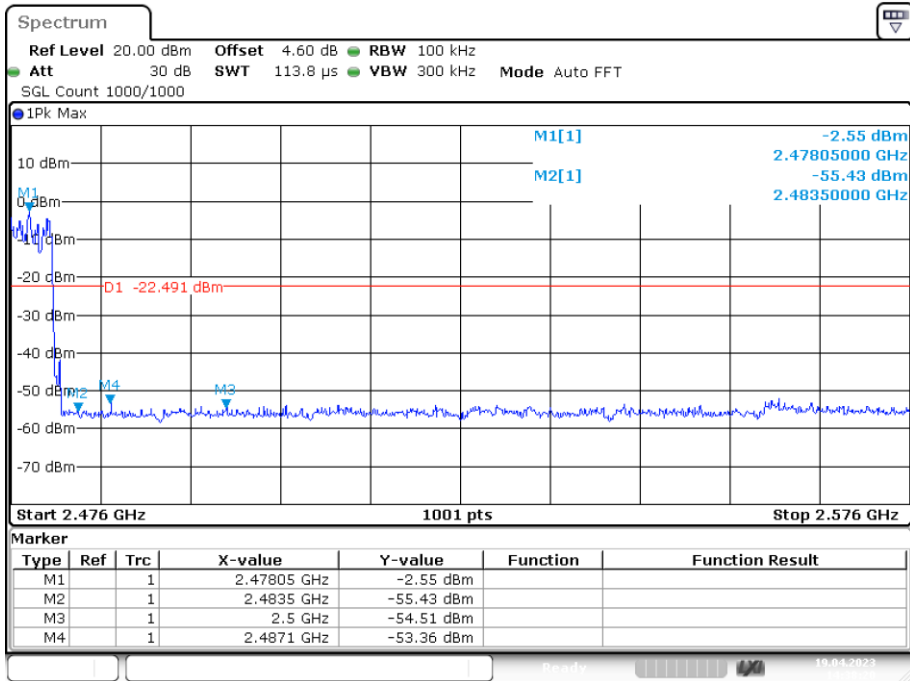
Date: 19.APR.2023 14:34:33

Band Edge(Hopping) NVNT 2-DH1 2480MHz Ant1 Hopping Ref



Date: 19.APR.2023 14:37:51

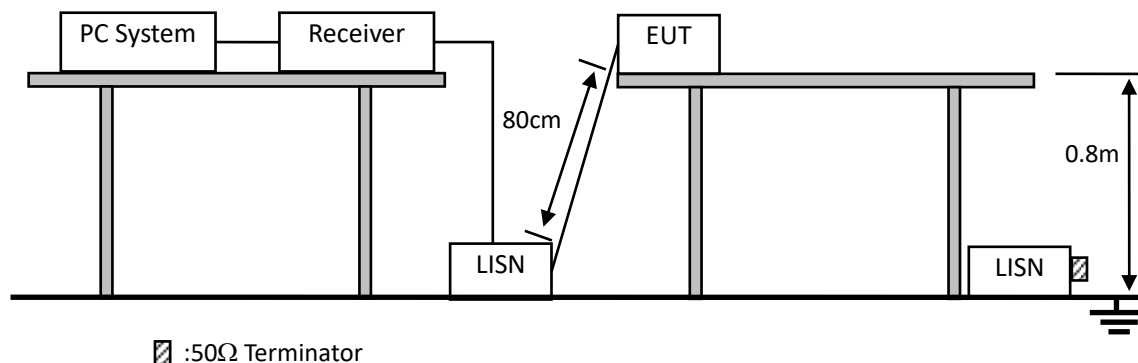
Band Edge(Hopping) NVNT 2-DH1 2480MHz Ant1 Hopping Emission



Date: 19.APR.2023 14:38:20

10. POWER LINE CONDUCTED EMISSIONS

10.1. Block Diagram of Test Setup



10.2. Limit

Frequency	Maximum RF Line Voltage	
	Quasi-Peak Level dB(μ V)	Average Level dB(μ V)
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

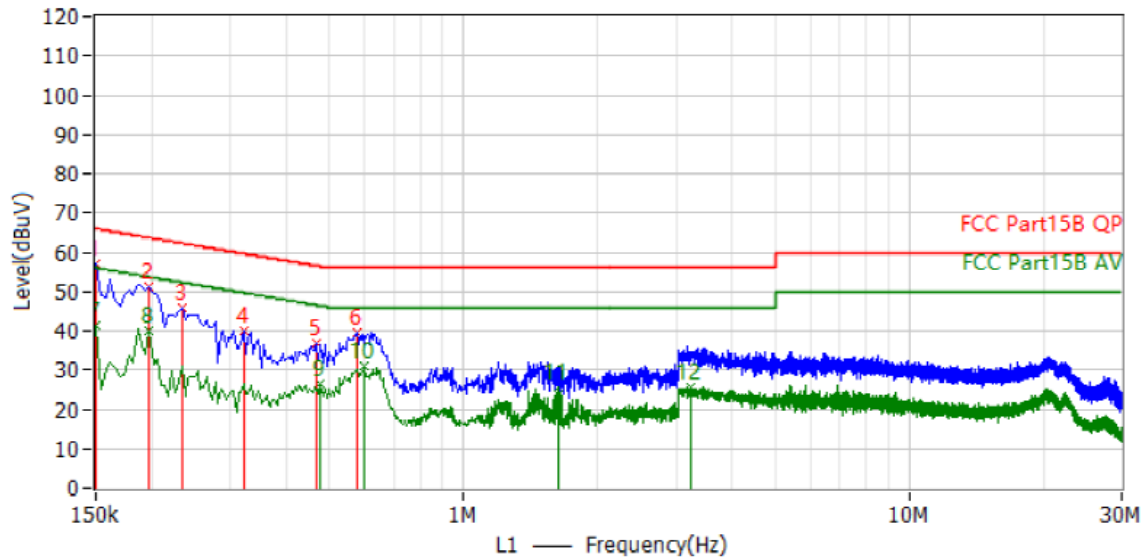
- (1) The EUT was placed on a non-metallic table, 80cm above the ground plane.
- (2) Setup the EUT and simulator as shown in 10.1
- (3) The EUT Power connected to the power mains through a power adapter and a line impedance stabilization network (L.I.S.N1). The other peripheral devices power cord connected 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

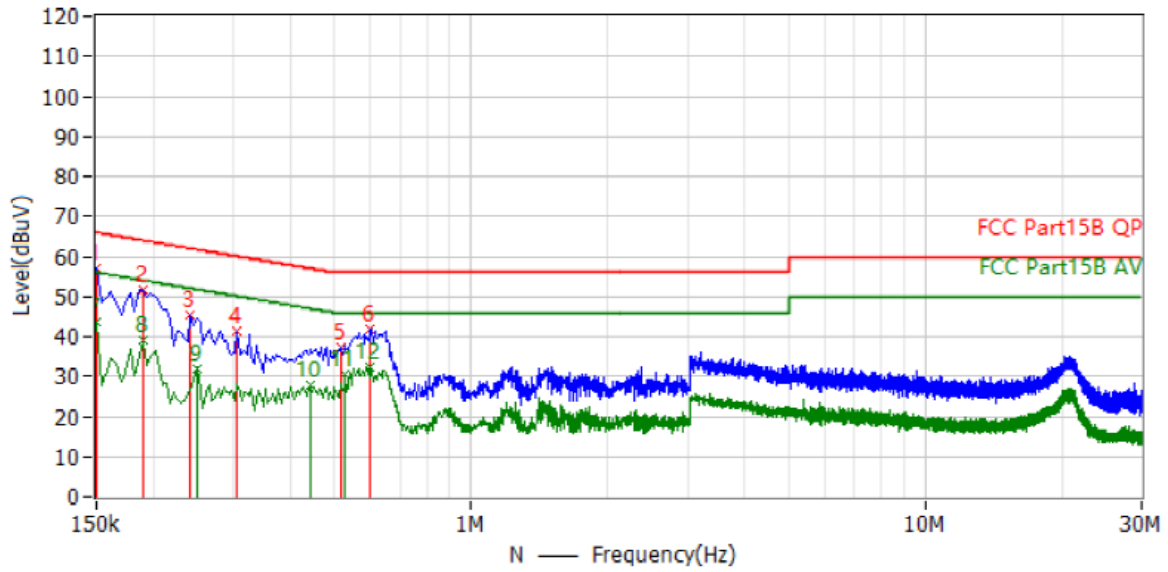
PASS. (See below detailed test data)

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

Polarity: L



No.	Frequency	Limit dBuV	Level dBuV	Delta dB	Factor dB	Detector	Polar
1*	150.000 kHz	66.0	57.2	-8.8	9.7	PK	L1
2*	198.000 kHz	63.7	51.3	-12.4	9.7	PK	L1
3*	234.000 kHz	62.3	46.0	-16.3	9.7	PK	L1
4*	322.000 kHz	59.7	39.9	-19.7	9.7	PK	L1
5*	470.000 kHz	56.5	36.7	-19.8	9.8	PK	L1
6*	578.000 kHz	56.0	39.4	-16.6	9.8	PK	L1
7*	150.000 kHz	56.0	41.4	-14.6	9.7		L1
8*	198.000 kHz	53.7	40.2	-13.5	9.7	AV	L1
9*	478.000 kHz	46.4	26.4	-20.0	9.8	AV	L1
10*	602.000 kHz	46.0	30.9	-15.1	9.8	AV	L1
11*	1.642 MHz	46.0	25.6	-20.4	9.9	AV	L1
12*	3.242 MHz	46.0	25.6	-20.4	9.9	AV	L1

Polarity: N

No.	Frequency	Limit dBuV	Level dBuV	Delta dB	Factor dB	Detector	Polar
1*	150.000 kHz	66.0	57.3	-8.7	9.7	PK	N
2*	190.000 kHz	64.0	51.9	-12.2	9.7	PK	N
3*	242.000 kHz	62.0	45.5	-16.5	9.7	PK	N
4*	306.000 kHz	60.1	41.5	-18.6	9.7	PK	N
5*	518.000 kHz	56.0	37.4	-18.6	9.7	PK	N
6*	602.000 kHz	56.0	41.8	-14.2	9.7	PK	N
7*	150.000 kHz	56.0	43.6	-12.4	9.7		N
8*	190.000 kHz	54.0	38.9	-15.2	9.7	AV	N
9*	250.000 kHz	51.8	32.1	-19.6	9.7	AV	N
10*	442.000 kHz	47.0	27.9	-19.2	9.7	AV	N
11*	530.000 kHz	46.0	30.4	-15.6	9.7	AV	N
12*	602.000 kHz	46.0	32.4	-13.6	9.7	AV	N

Note: All modes and channels have been tested and only the GFSK 2441MHz mode with the worst data is listed.

11. ANTENNA REQUIREMENTS

11.1. Limit

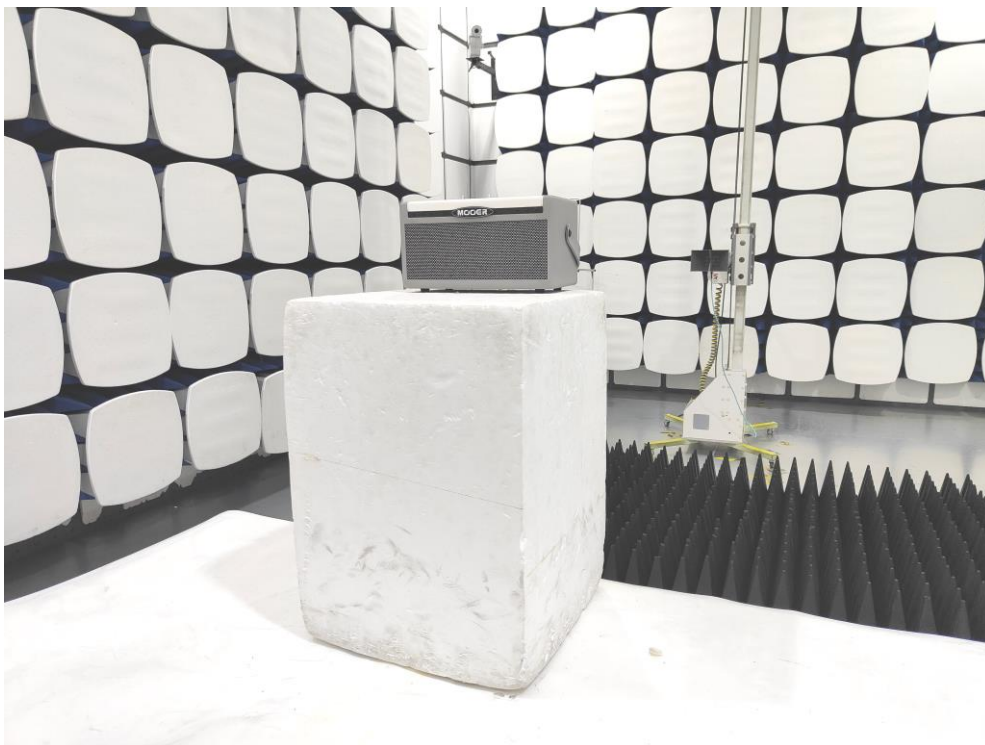
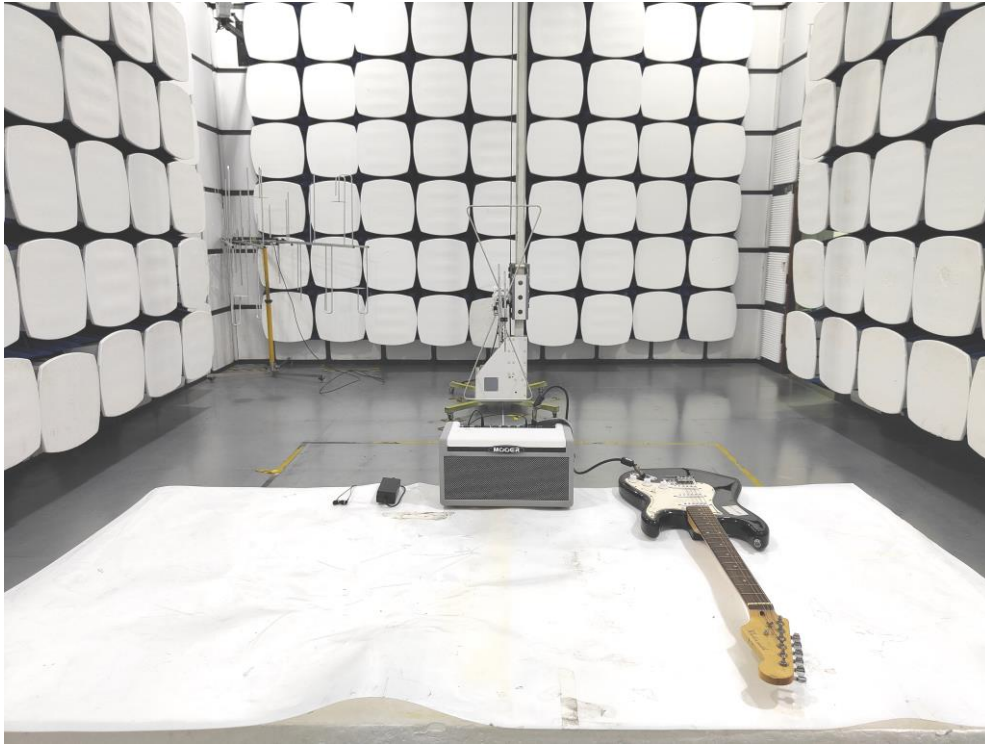
For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional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

12. TEST SETUP PHOTO

12.1. Photo of Radiated Emission test



12.2.Photo of Conducted Emission test



13. EUT Photo



