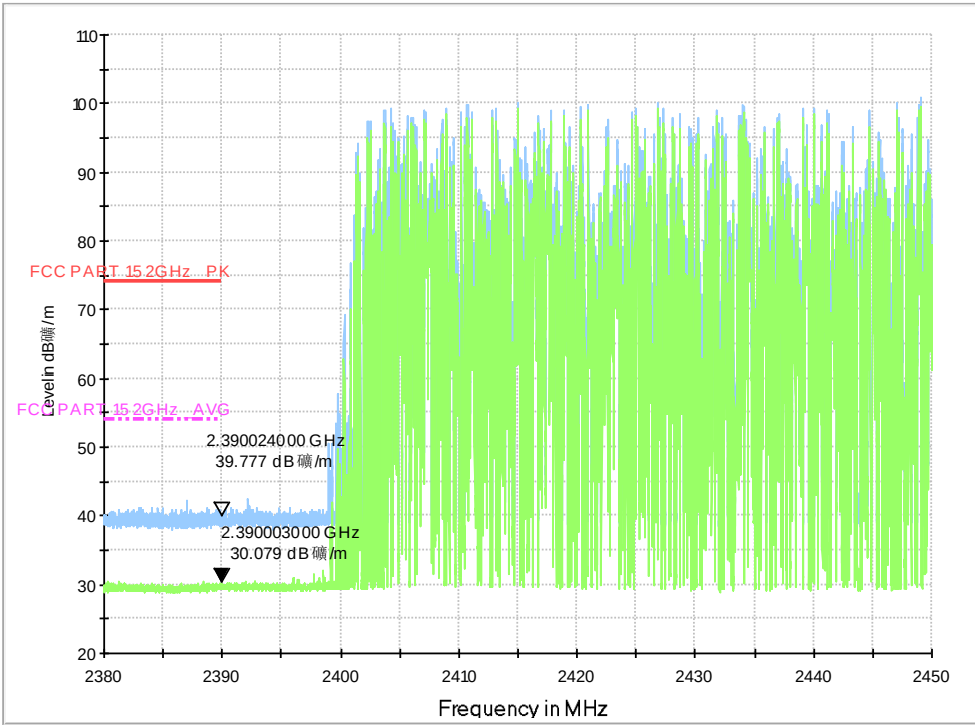
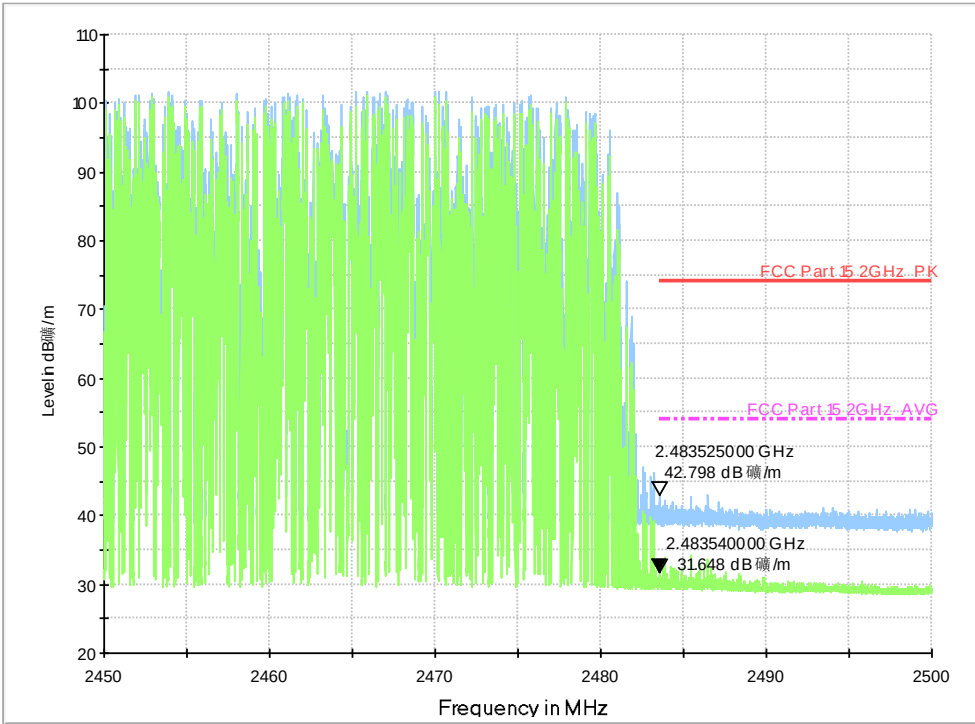


Hopping-on

Test Mode: π /4-DQPSK-Low



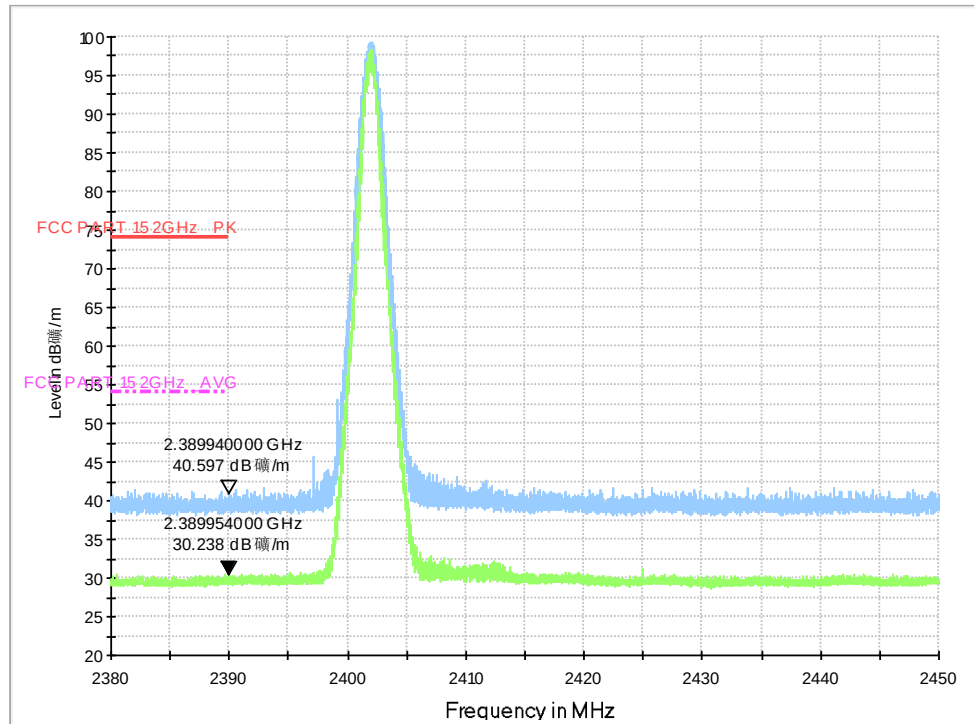
Test Mode: π /4-DQPSK-High



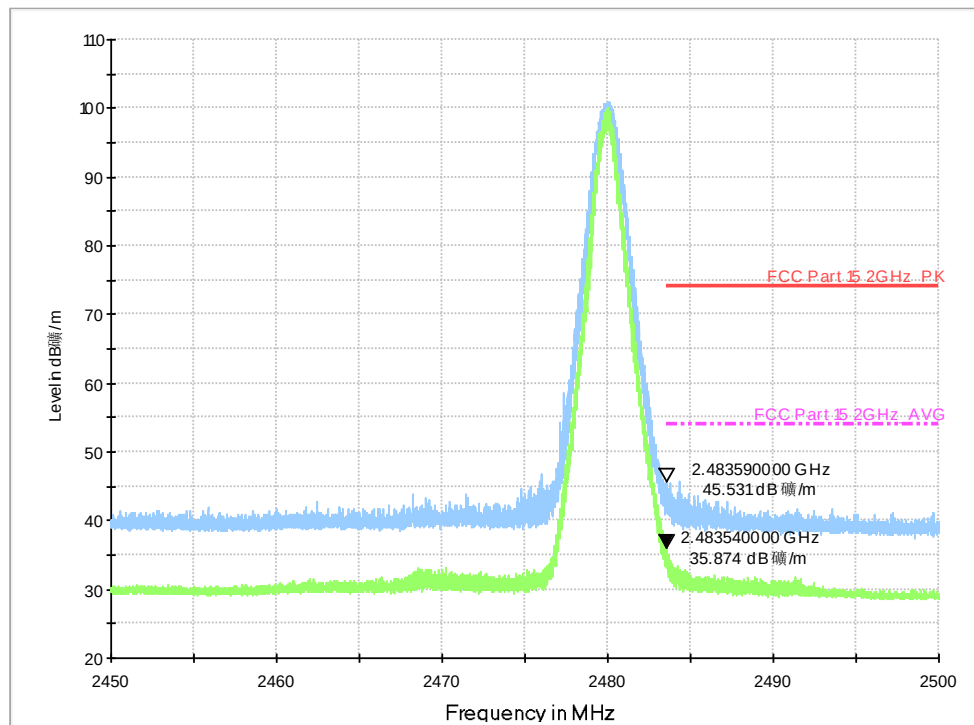
hopping-on

Hopping-off

Test Mode: 8-DPSK-Low

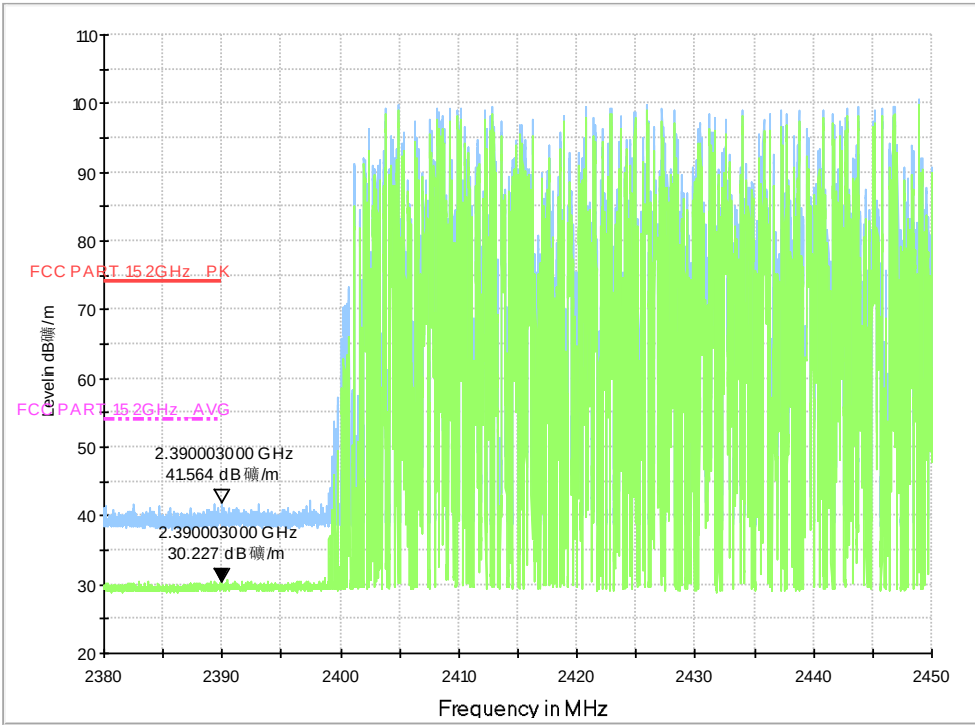


Test Mode: 8-DPSK-High

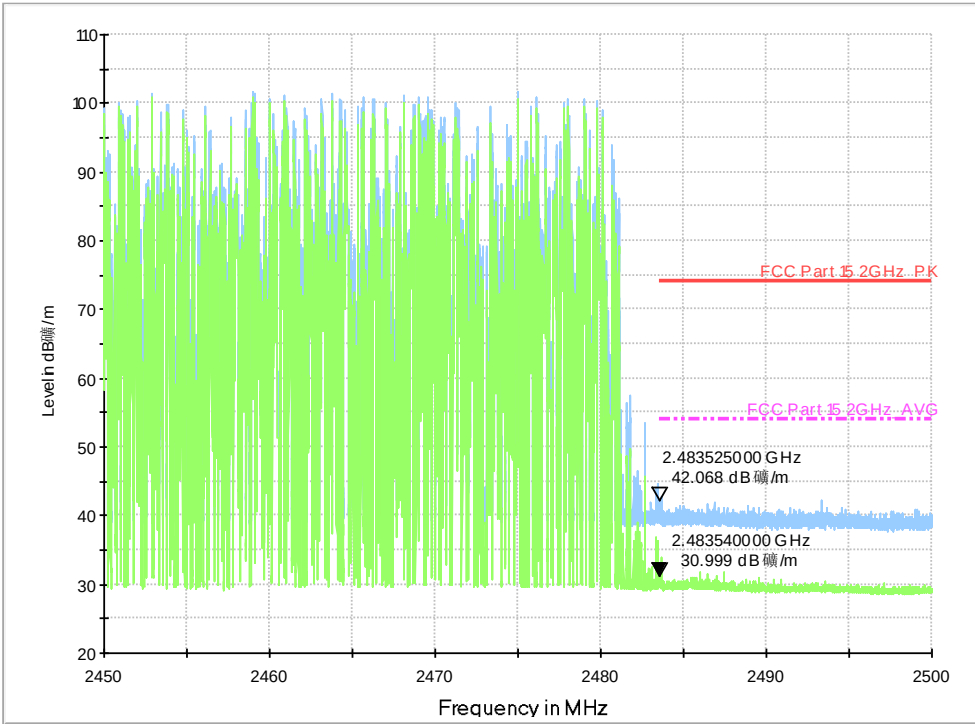


Hopping-on

Test Mode: 8-DPSK -Low



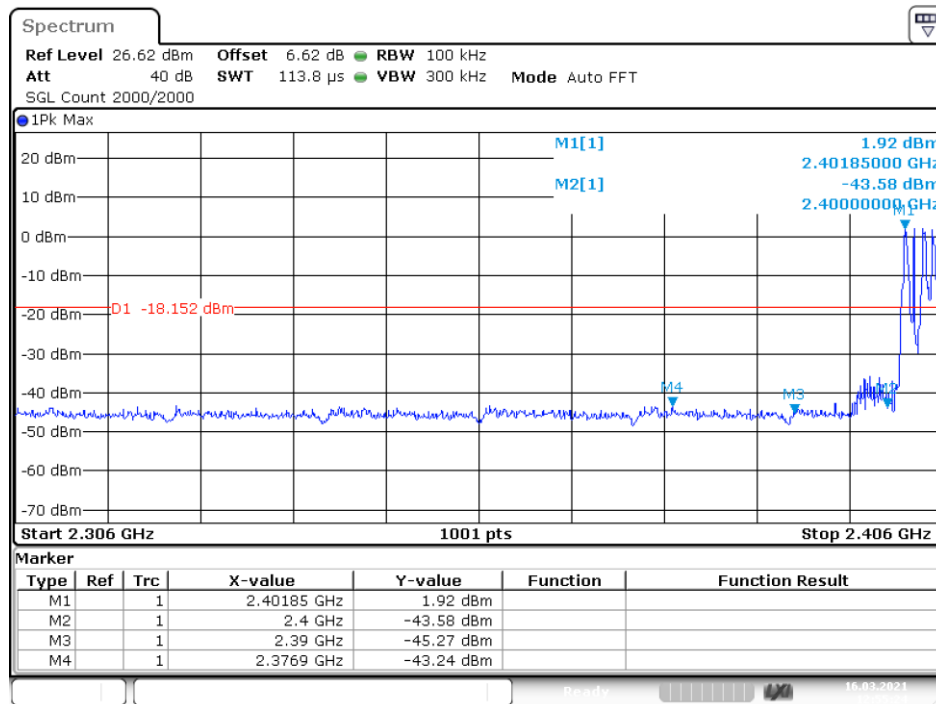
Test Mode: 8-DPSK -Hjigh



hopping-on

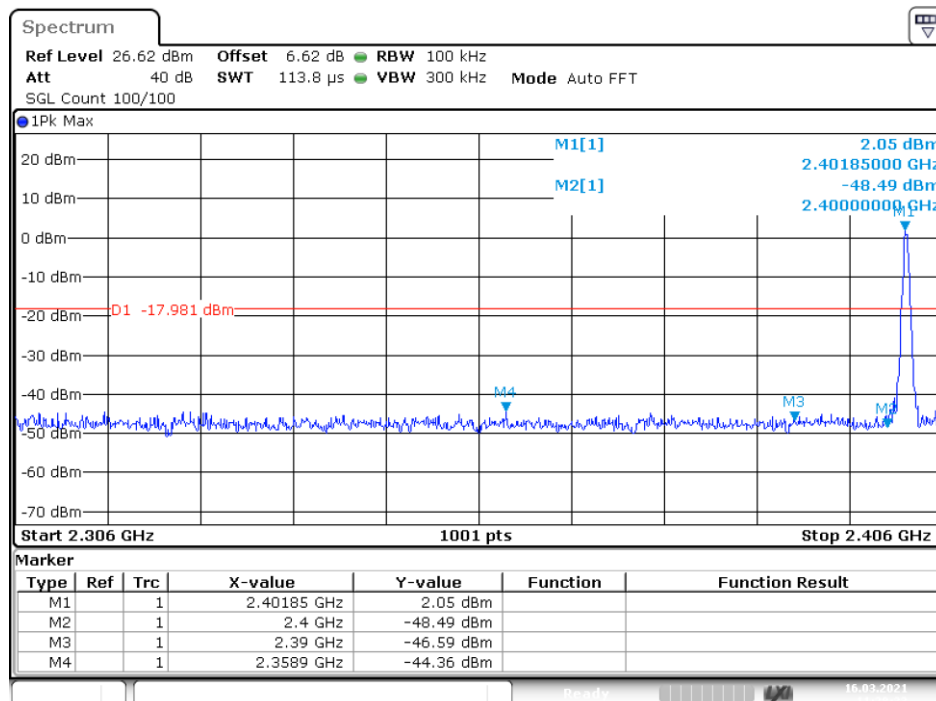
Conducted Method

Band Edge NVNT 1-DH1 2402MHz Ant1 Hopping Emission



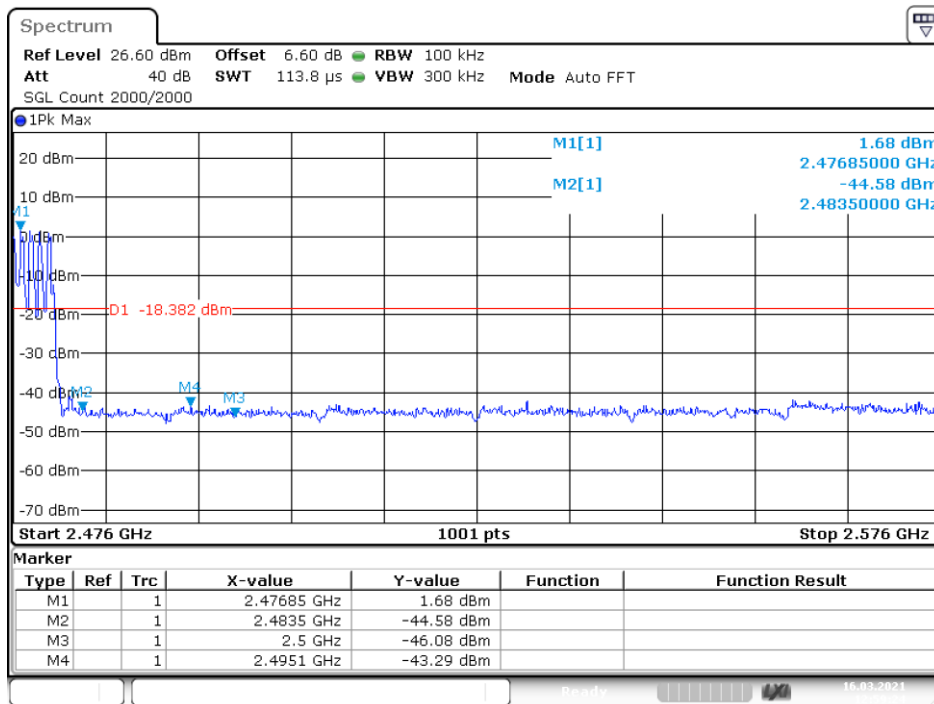
Date: 16.MAR.2021 12:55:23

Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Emission



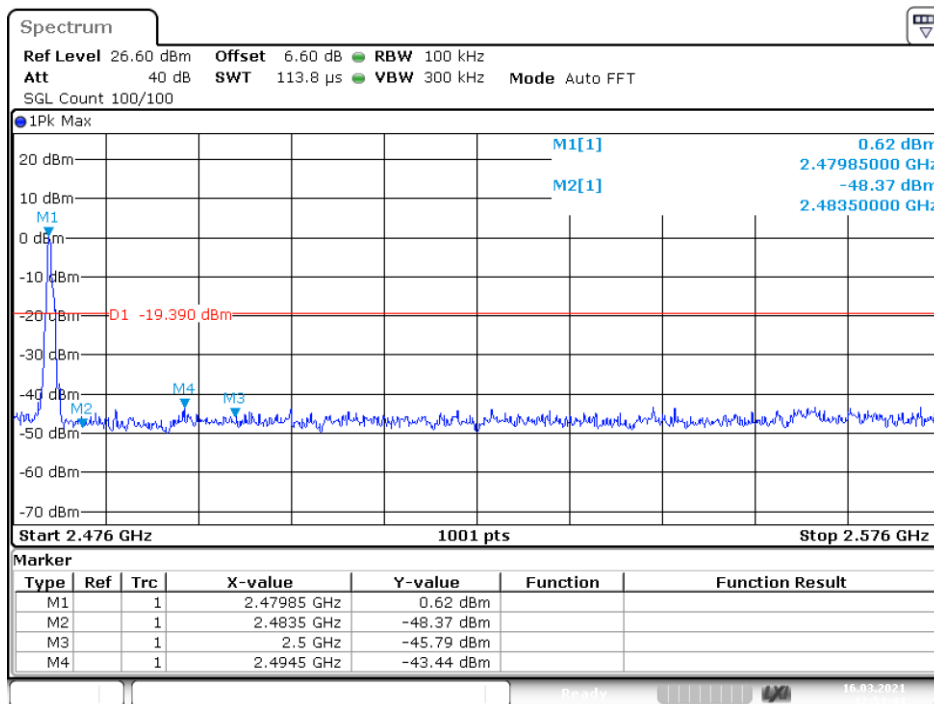
Date: 16.MAR.2021 11:28:33

Band Edge NVNT 1-DH1 2480MHz Ant1 Hopping Emission



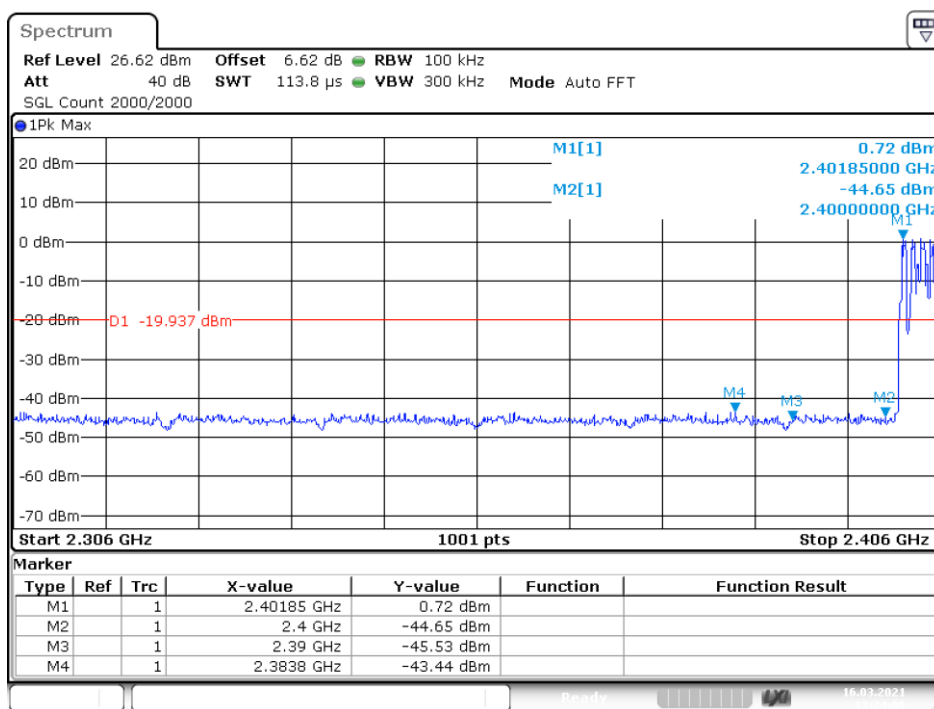
Date: 16.MAR.2021 12:59:24

Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Emission

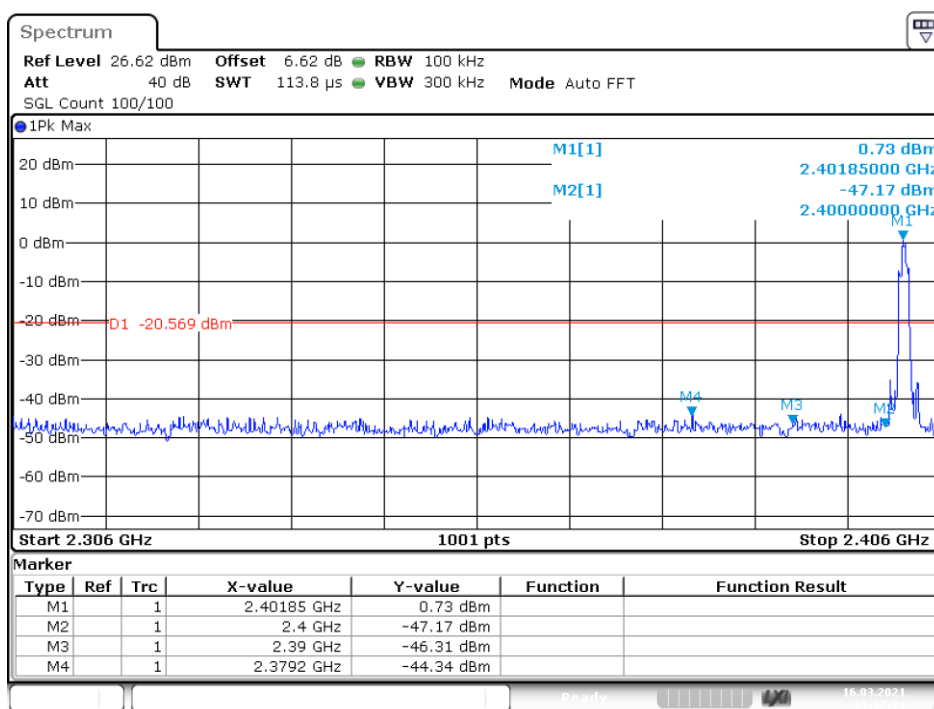


Date: 16.MAR.2021 12:51:44

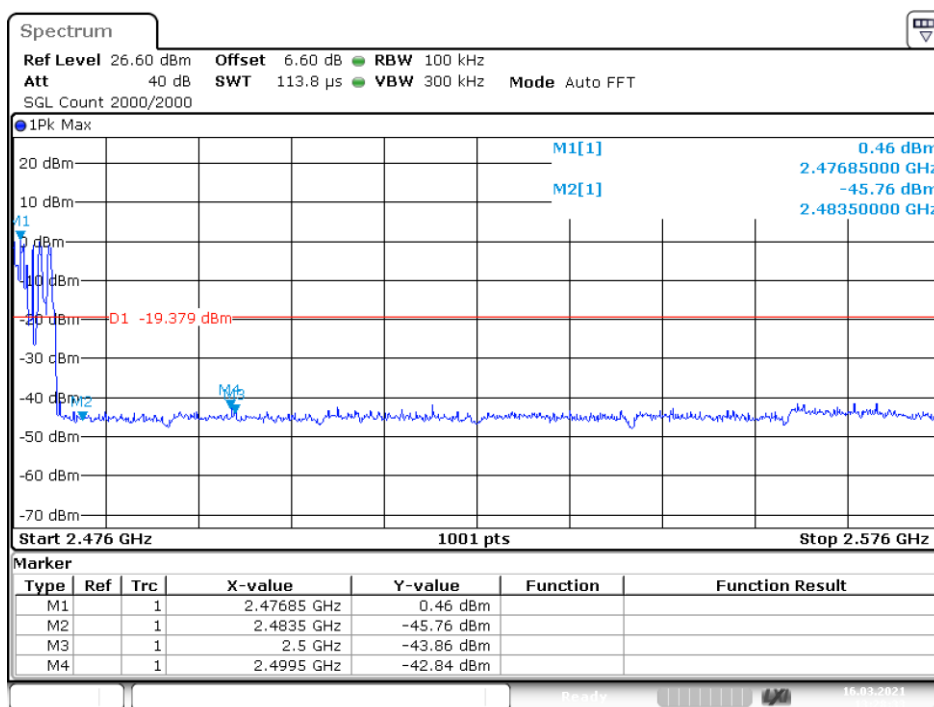
Band Edge NVNT 2-DH1 2402MHz Ant1 Hopping Emission



Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Emission

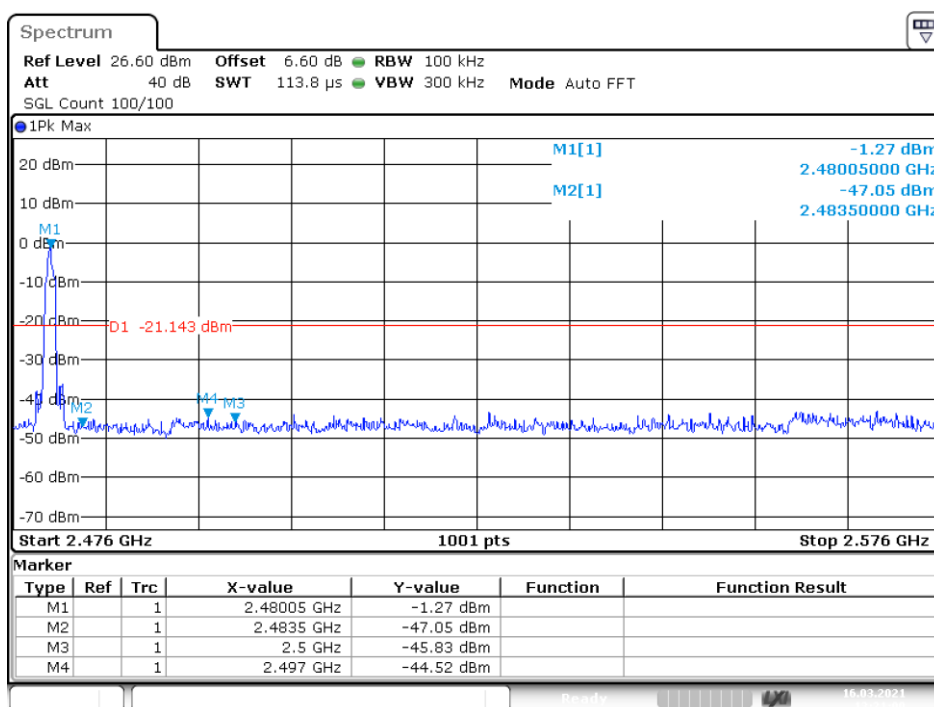


Band Edge NVNT 2-DH1 2480MHz Ant1 Hopping Emission



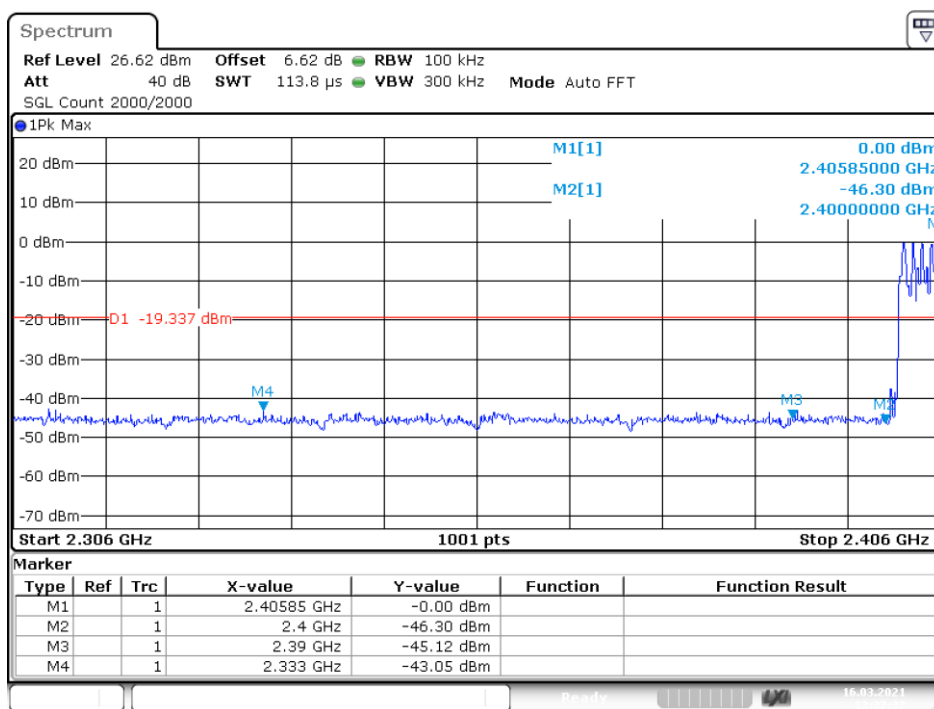
Date: 16.MAR.2021 13:28:33

Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Emission

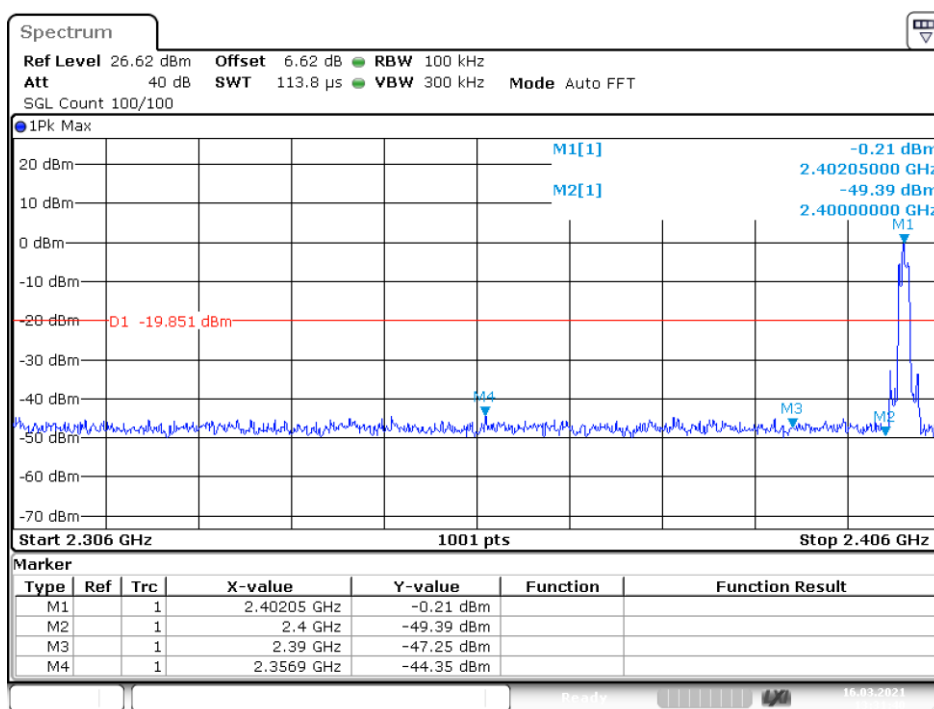


Date: 16.MAR.2021 13:21:00

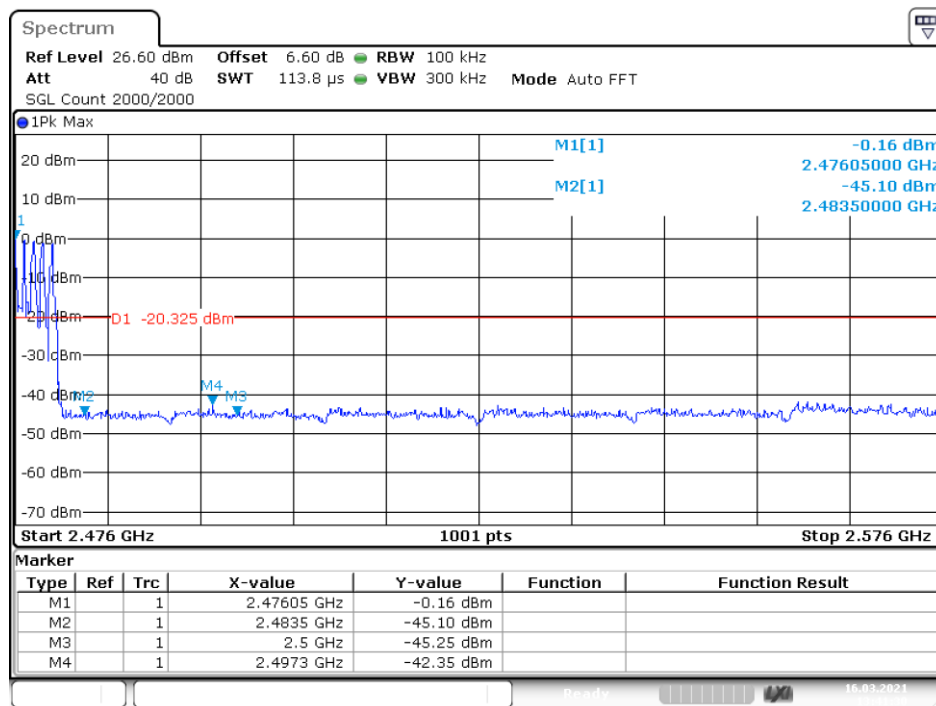
Band Edge NVNT 3-DH1 2402MHz Ant1 Hopping Emission



Band Edge NVNT 3-DH1 2402MHz Ant1 No-Hopping Emission

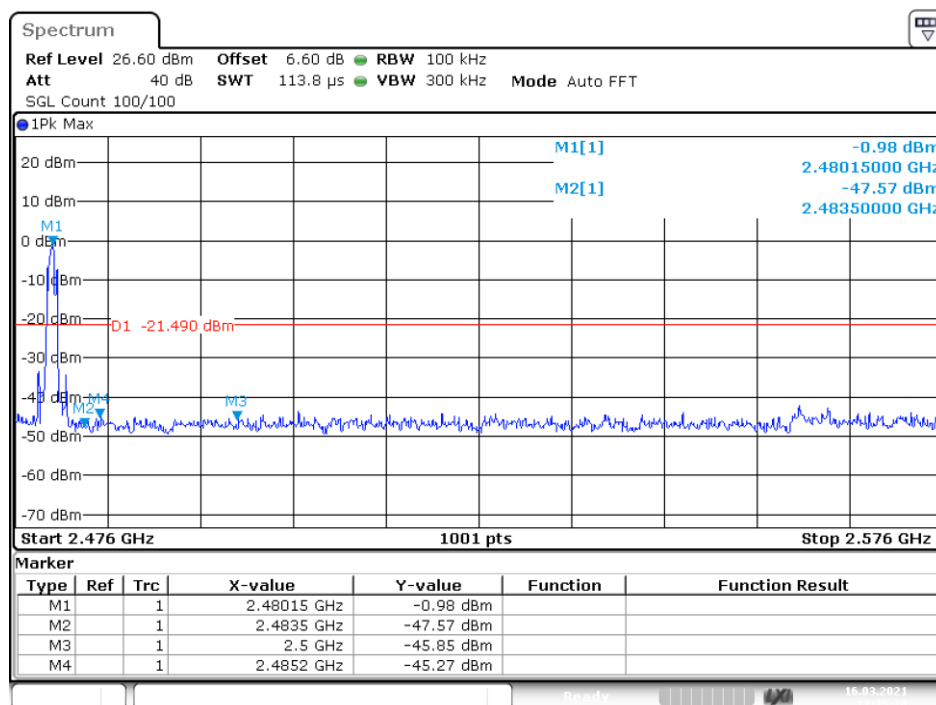


Band Edge NVNT 3-DH1 2480MHz Ant1 Hopping Emission



Date: 16.MAR.2021 13:41:30

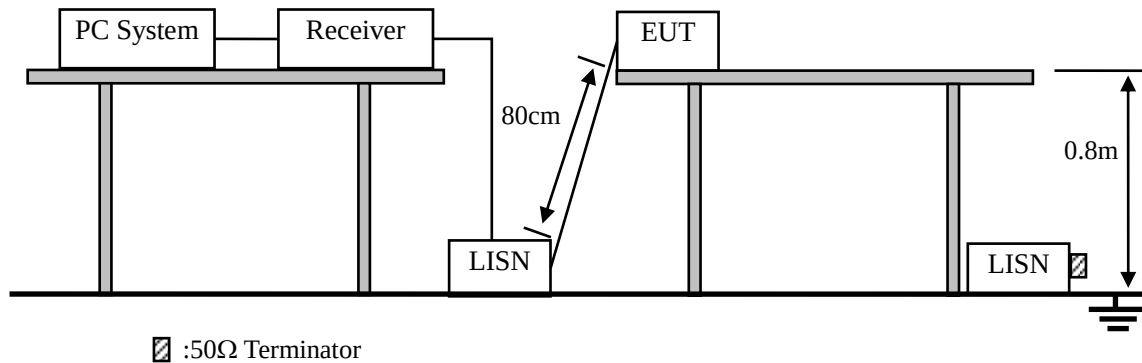
Band Edge NVNT 3-DH1 2480MHz Ant1 No-Hopping Emission



Date: 16.MAR.2021 13:35:20

10. Power Line Conducted Emissions

10.1. Block Diagram of Test Setup



□ :50Ω Terminator

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

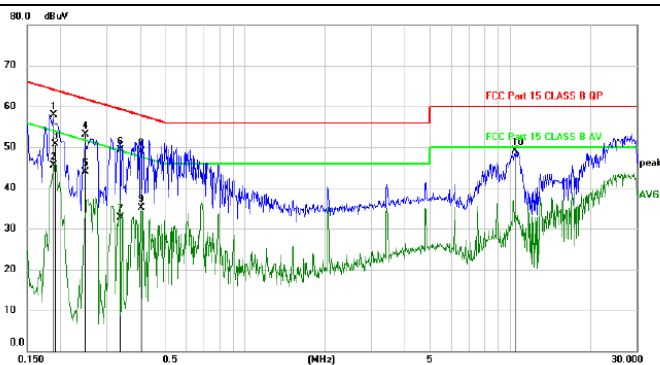
- (1) The EUT was placed on a non-metallic table, 80cm above the ground plane.
- (2) Setup the EUT and simulator as shown in 10.1
- (3) The EUT Power connected to the power mains through a power adapter and a line impedance stabilization network (L.I.S.N1). The other peripheral devices power cord connected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

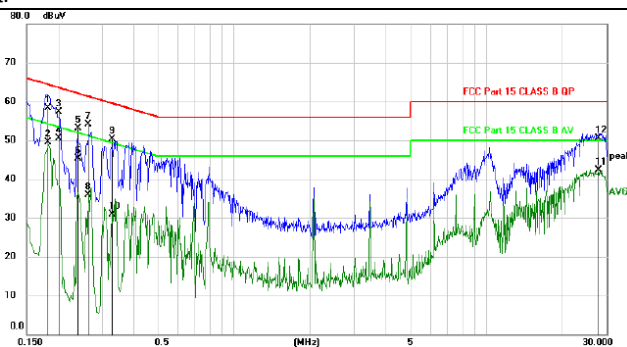
Note: If peak Result comply with AV limit, QP and AV Result is deemed to comply with AV limit

Pol	Line
-----	------



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1890	47.92	9.92	57.84	64.08	-6.24	QP	
2		0.1890	35.50	9.92	45.42	54.08	-8.66	AVG	
3	*	0.1920	40.87	9.92	50.79	53.95	-3.16	AVG	
4		0.2490	43.05	9.97	53.02	61.79	-8.77	QP	
5		0.2490	33.84	9.97	43.81	51.79	-7.98	AVG	
6		0.3360	39.32	9.94	49.26	59.30	-10.04	QP	
7		0.3360	22.72	9.94	32.66	49.30	-16.64	AVG	
8		0.4050	38.98	9.94	48.92	57.75	-8.83	QP	
9		0.4050	25.19	9.94	35.13	47.75	-12.62	AVG	
10		10.4640	38.92	10.22	49.14	60.00	-10.86	peak	

Pol	Neutral
-----	---------



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1830	48.41	9.93	58.34	64.35	-6.01	QP	
2		0.1830	39.62	9.93	49.55	54.35	-4.80	AVG	
3		0.2010	47.36	9.92	57.28	63.57	-6.29	QP	
4	*	0.2010	40.64	9.92	50.56	53.57	-3.01	AVG	
5		0.2400	43.05	9.96	53.01	62.10	-9.09	QP	
6		0.2400	35.39	9.96	45.35	52.10	-6.75	AVG	
7		0.2640	44.07	9.96	54.03	61.30	-7.27	QP	
8		0.2640	25.89	9.96	35.85	51.30	-15.45	AVG	
9		0.3270	40.35	9.94	50.29	59.53	-9.24	QP	
10		0.3270	20.92	9.94	30.86	49.53	-18.67	AVG	
11		27.9026	31.64	10.57	42.21	50.00	-7.79	AVG	
12		27.9030	39.86	10.57	50.43	60.00	-9.57	QP	

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

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

Remark: All modes have been tested, and only worst data of GFSK was listed in this report.

11. Antenna Requirements

11.1. Limit

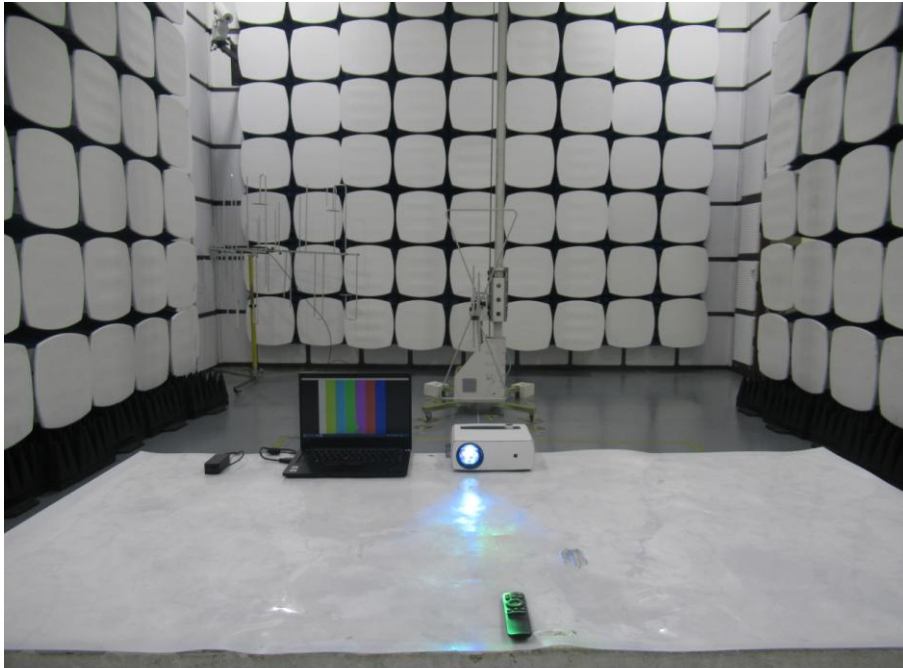
For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional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



12.2.Photos of Power Line Conducted Emission Test



13.Photos Of EUT

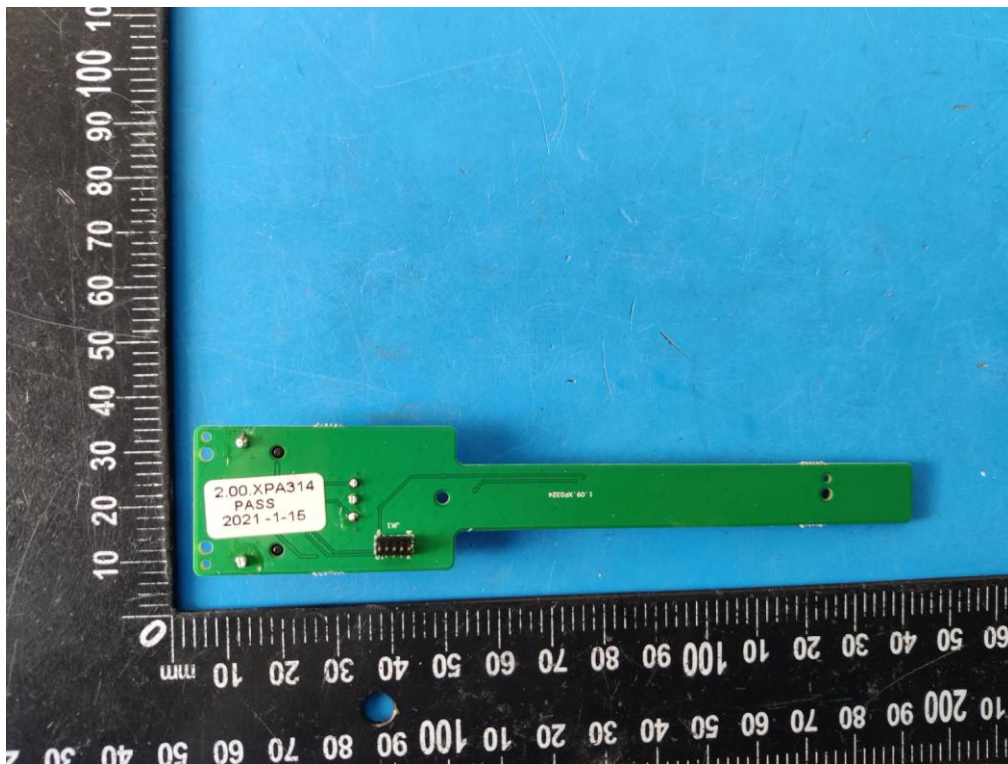
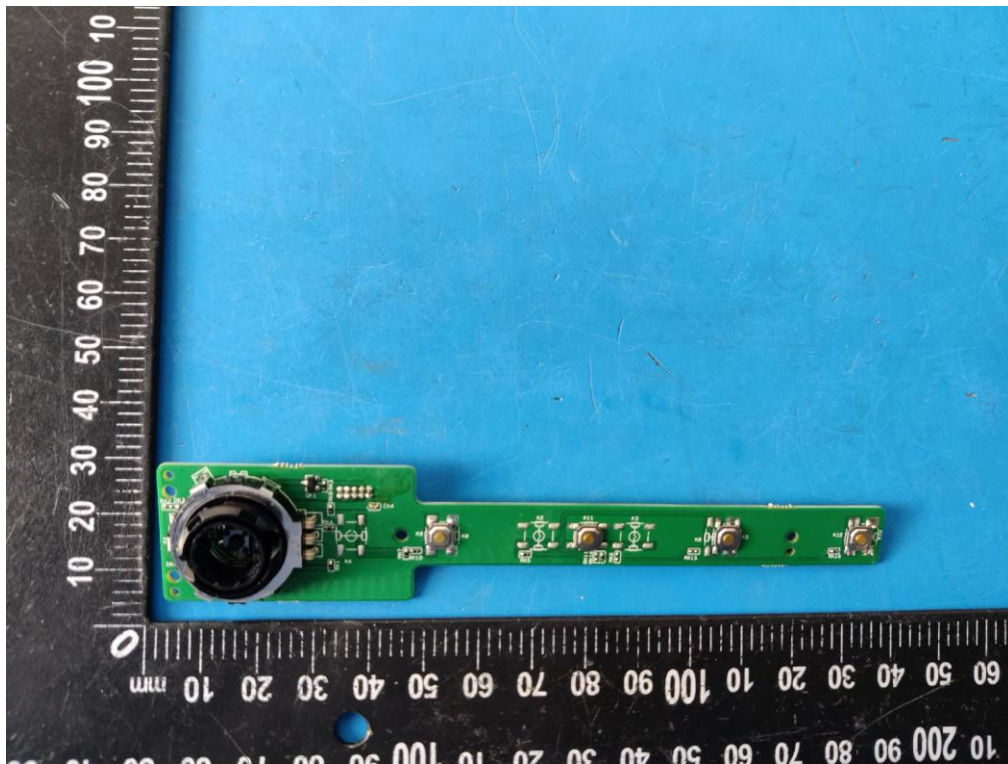






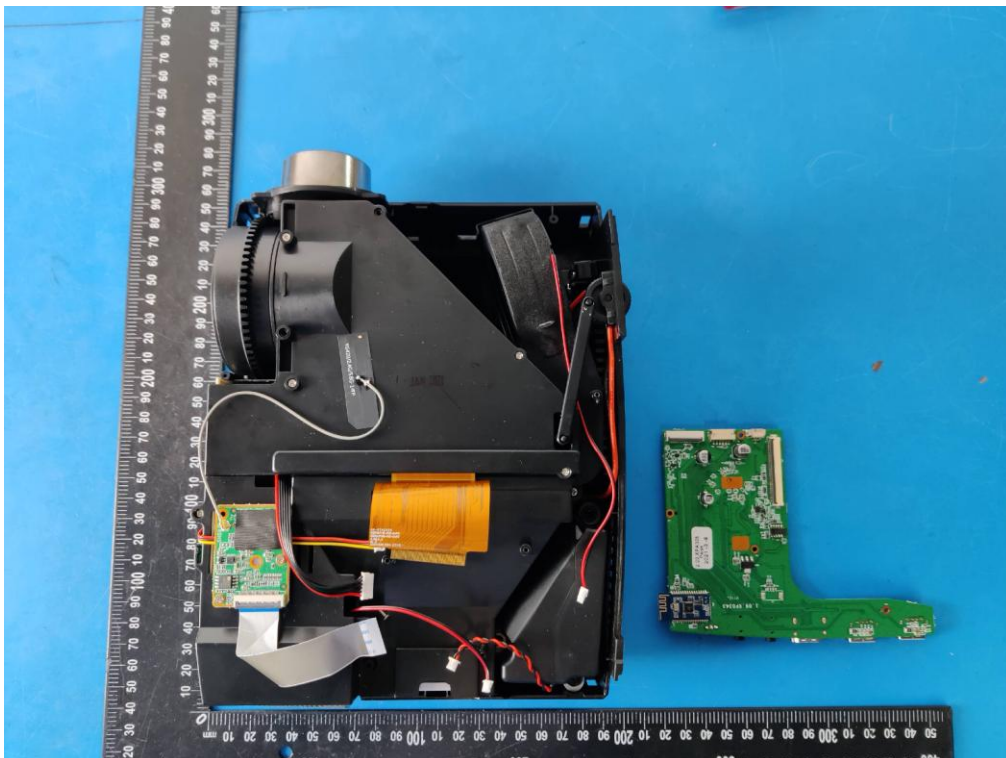
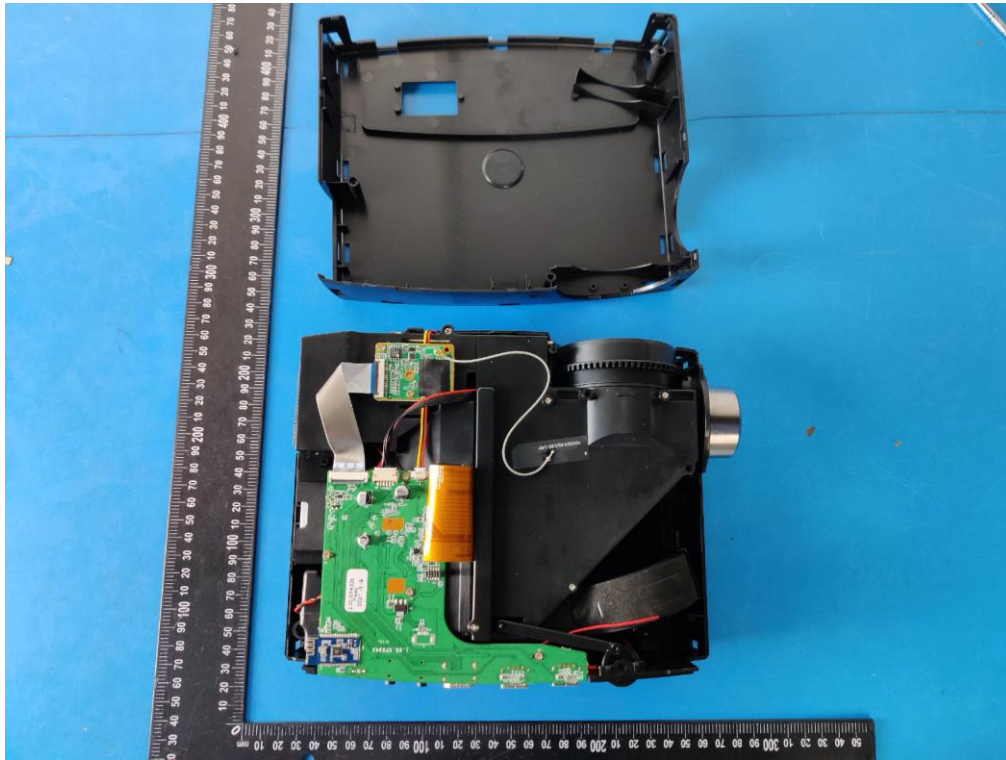


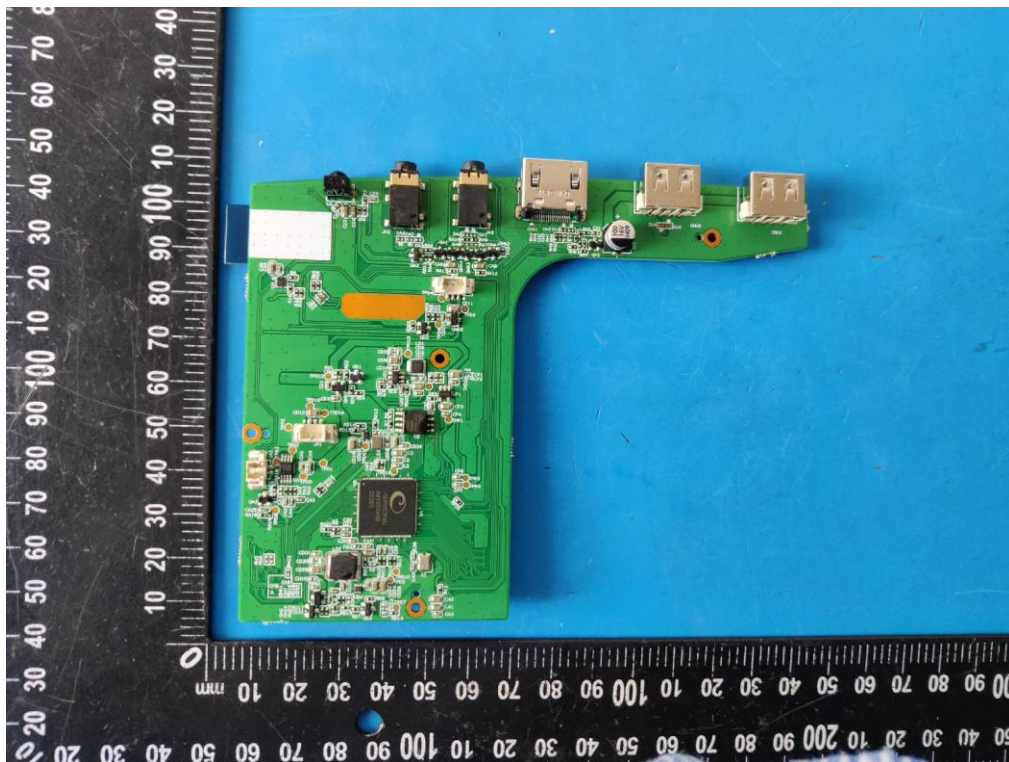
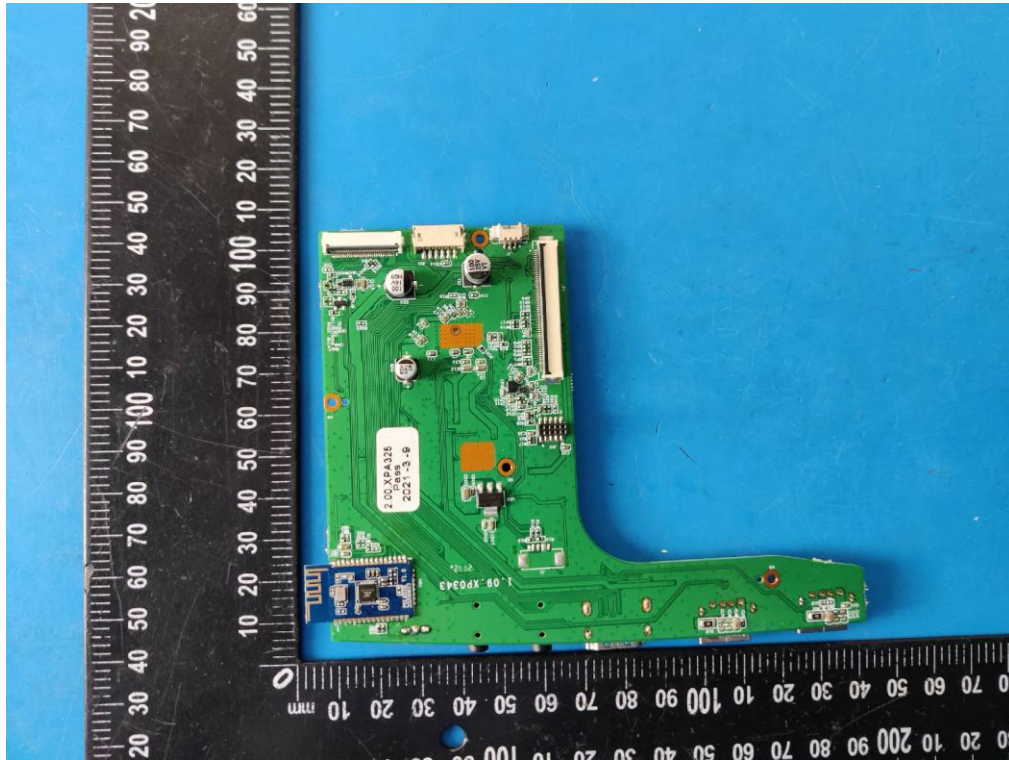


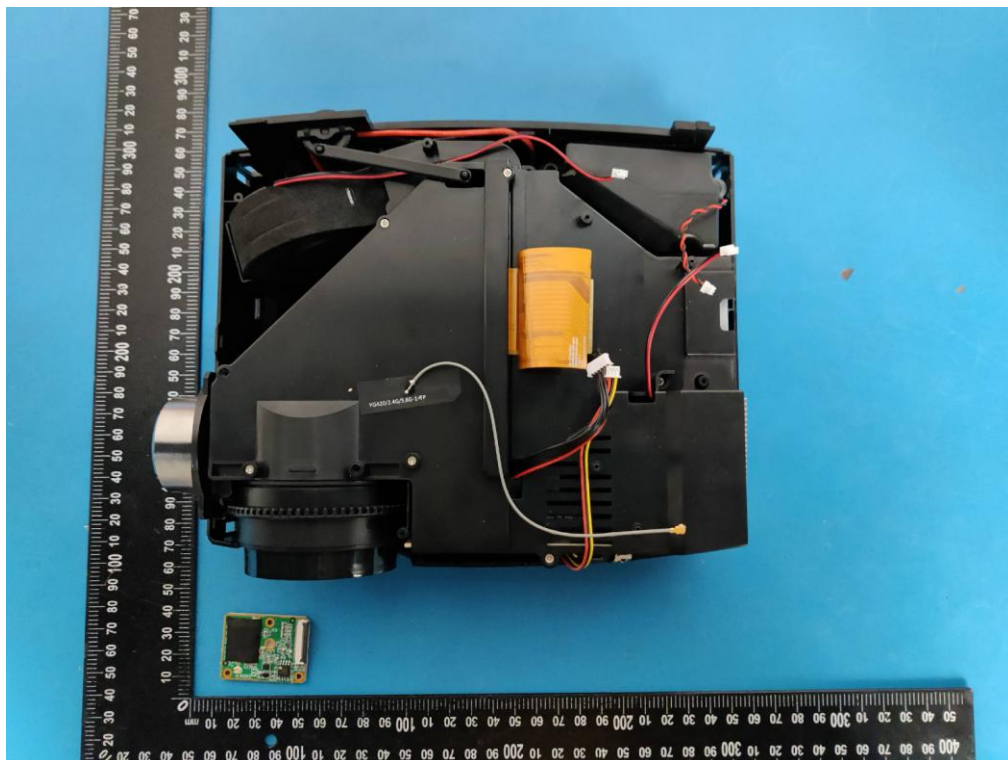
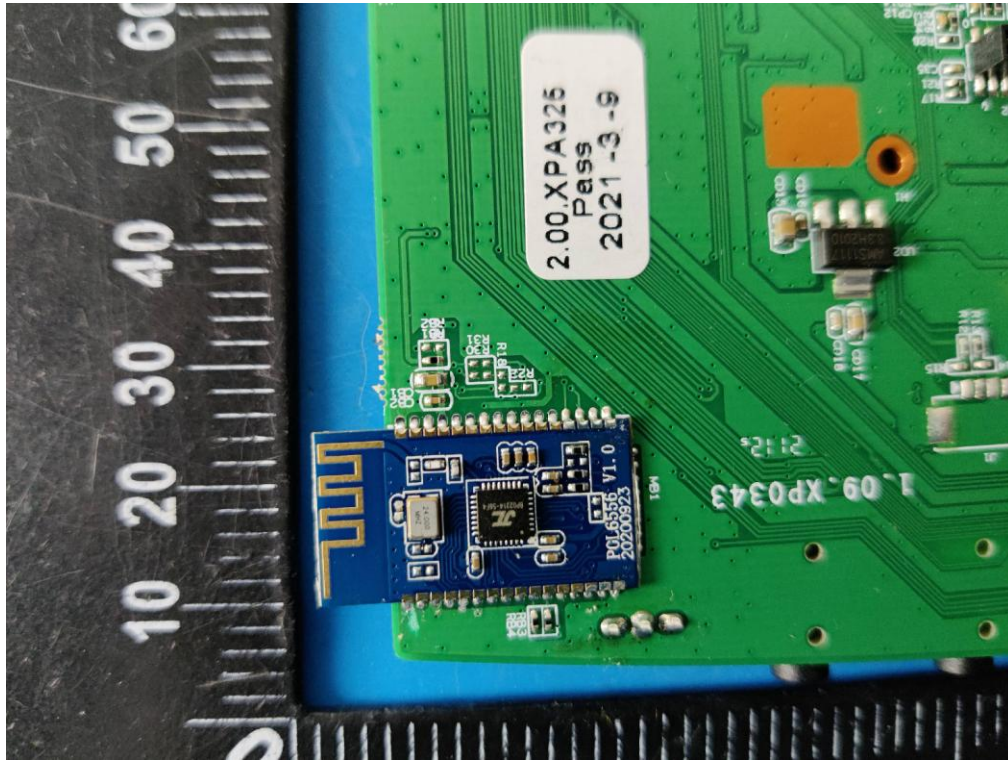


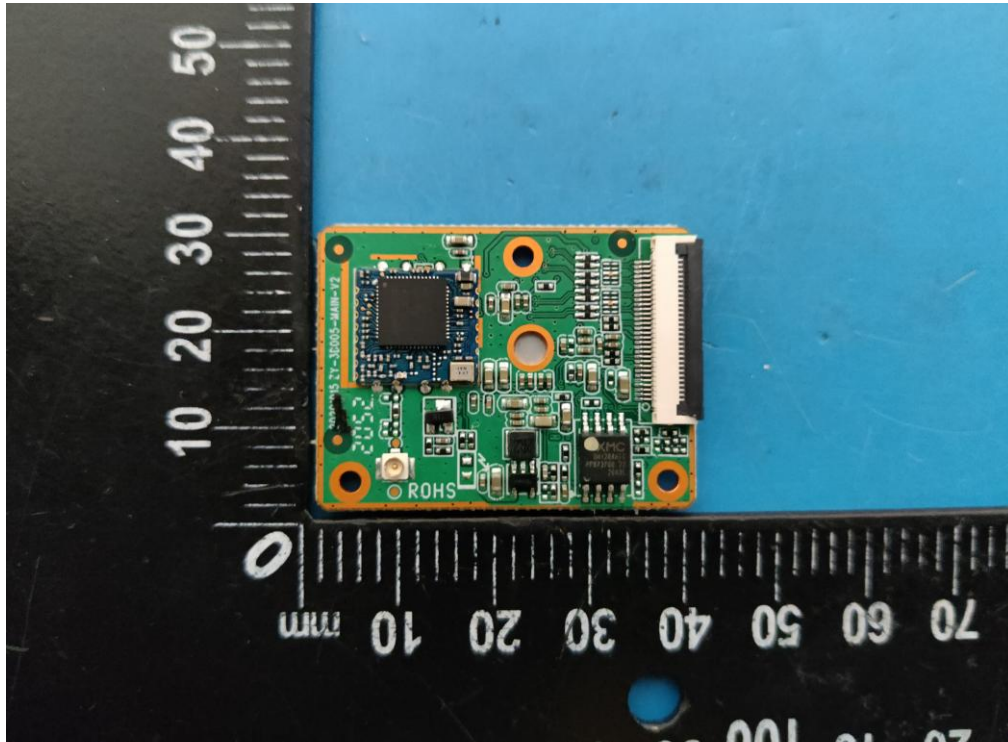


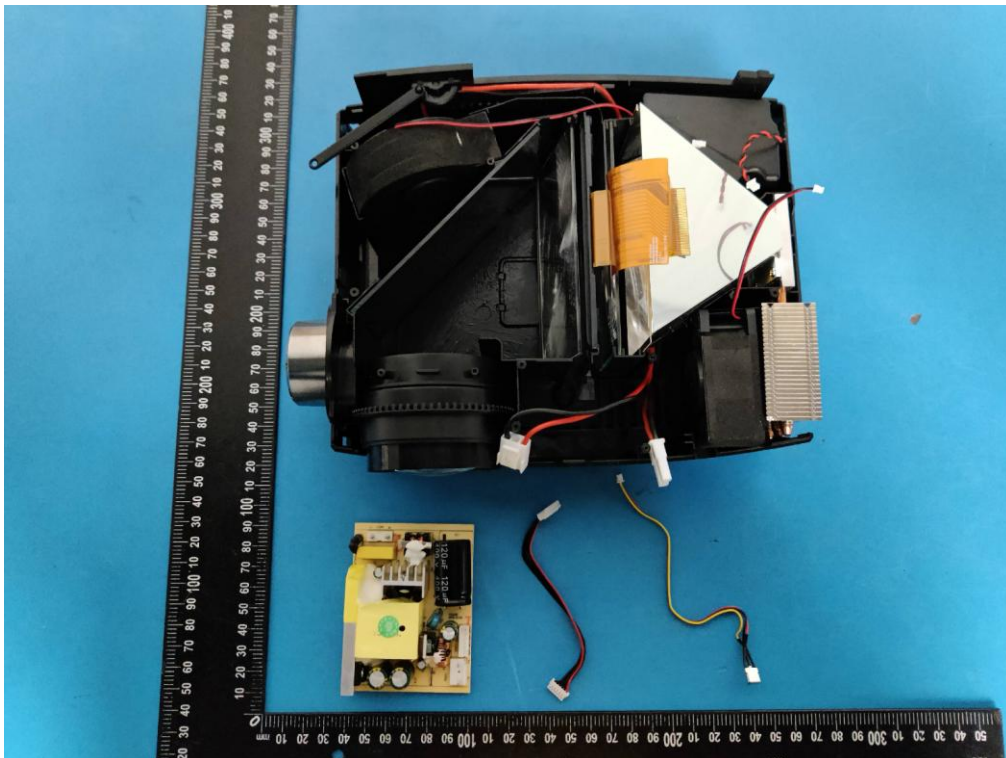
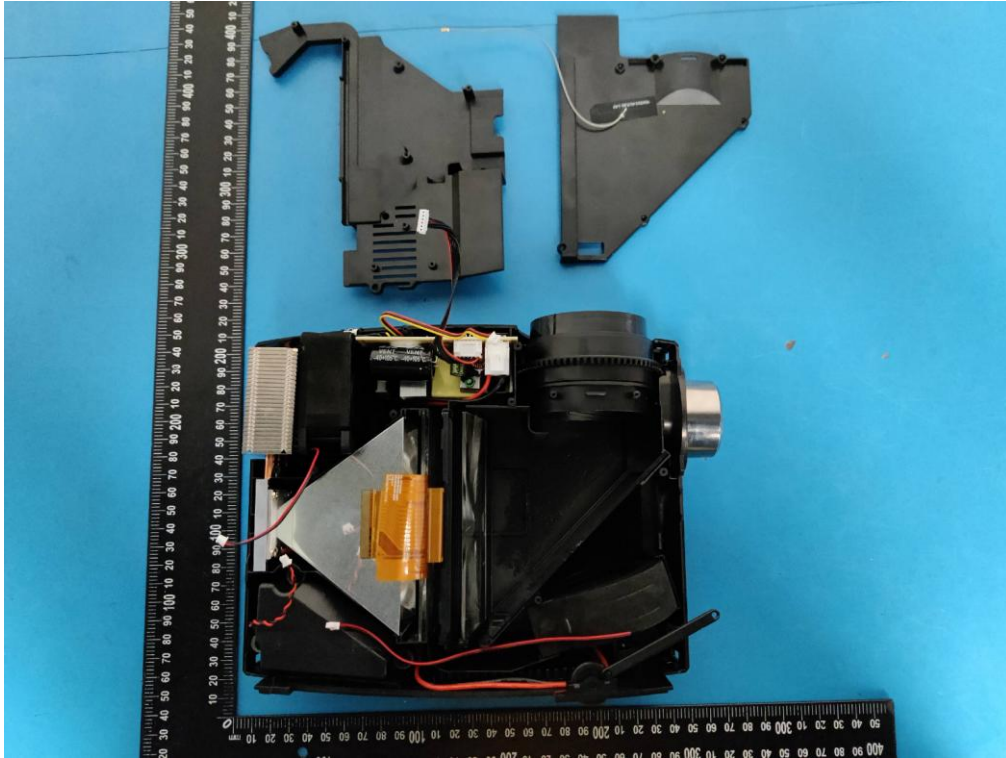


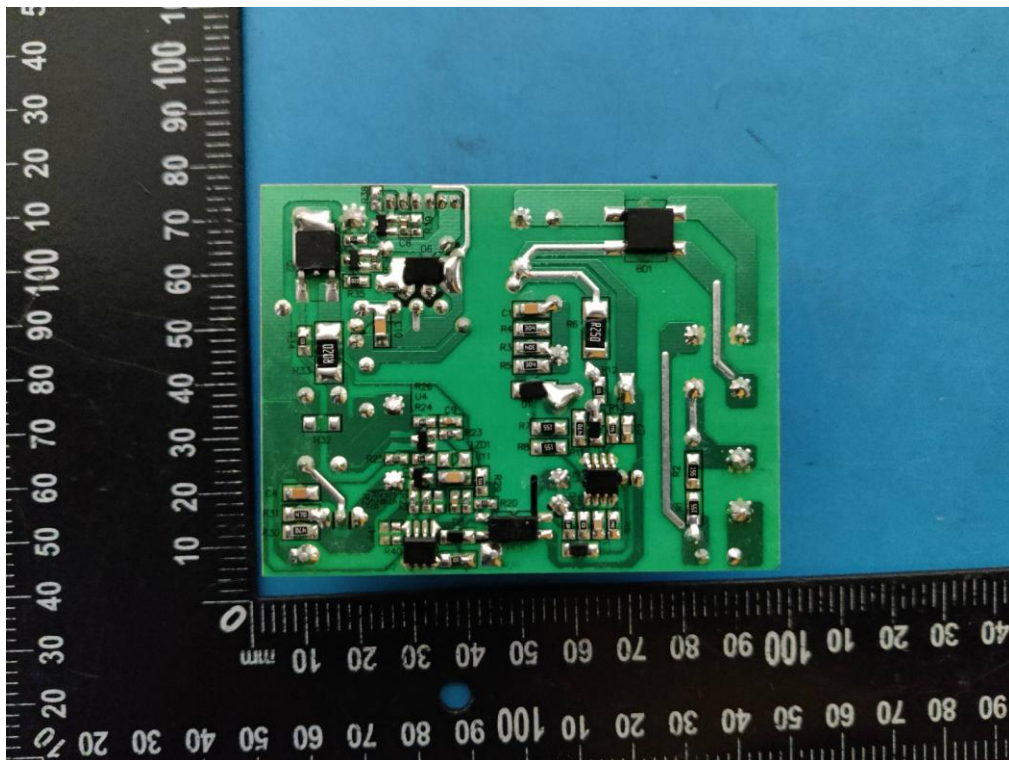
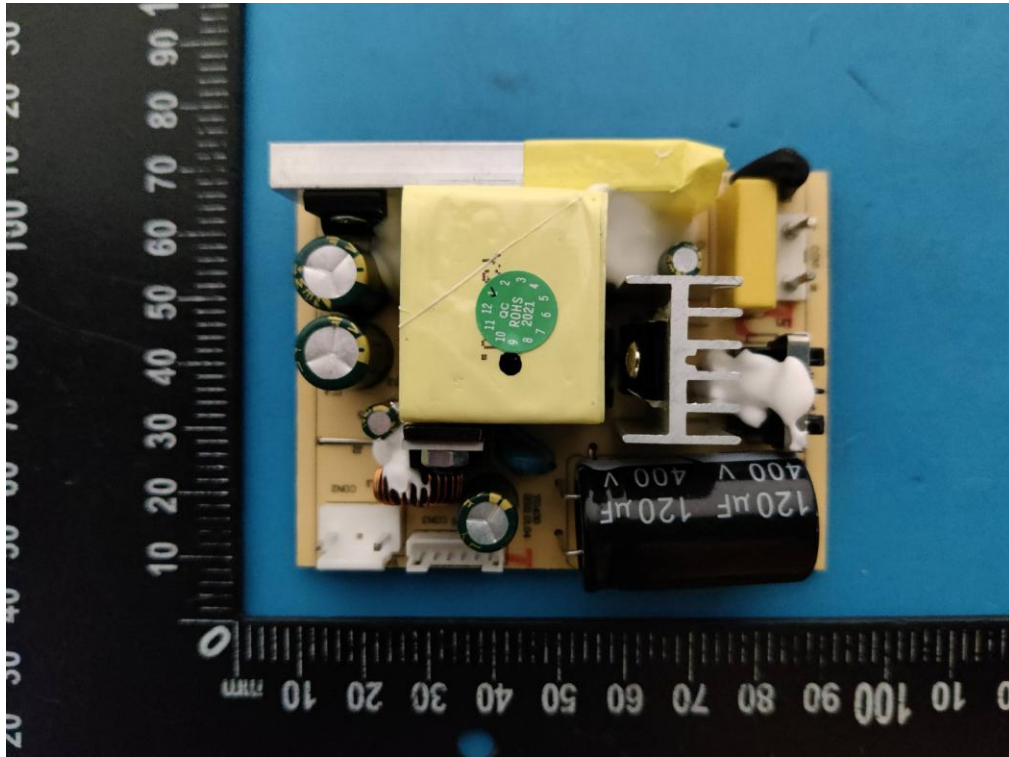


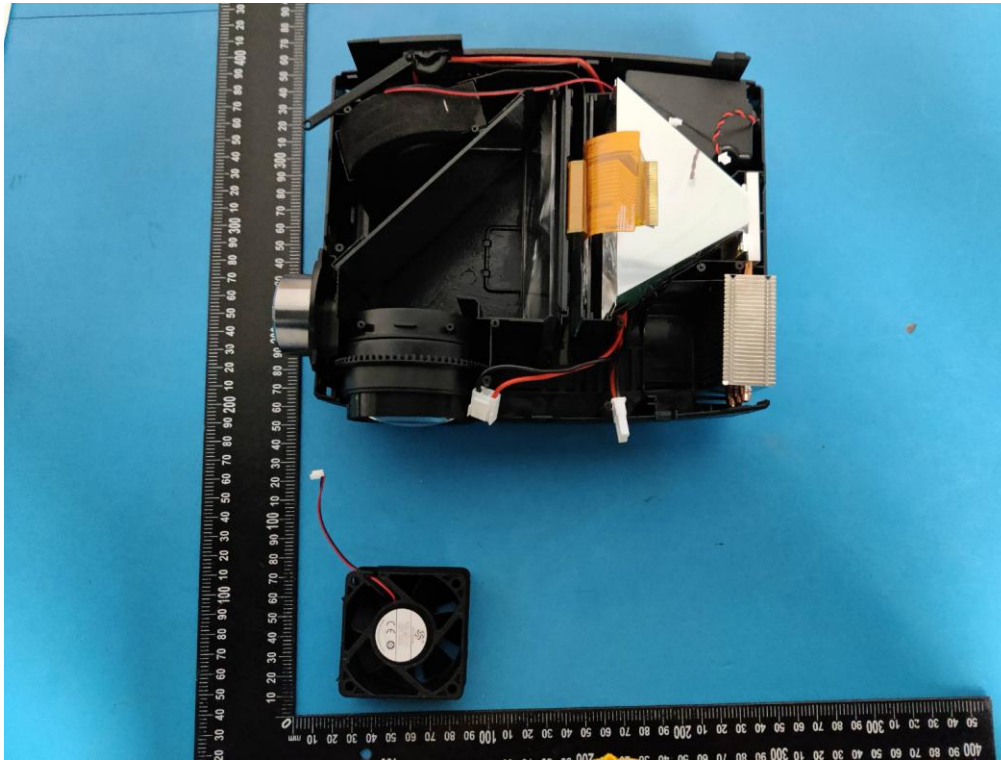












-----THE END OF REPORT-----