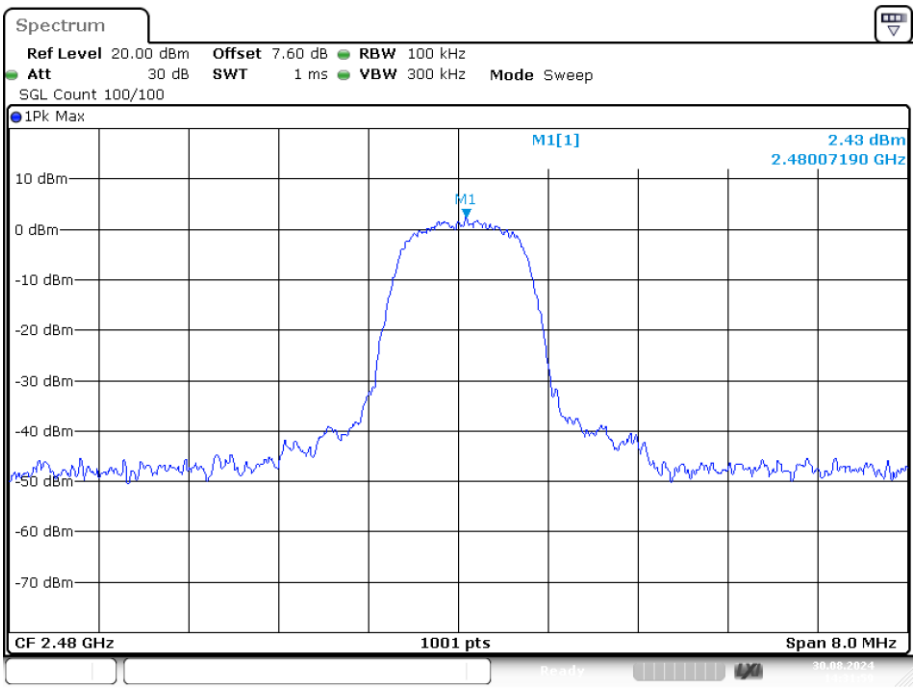
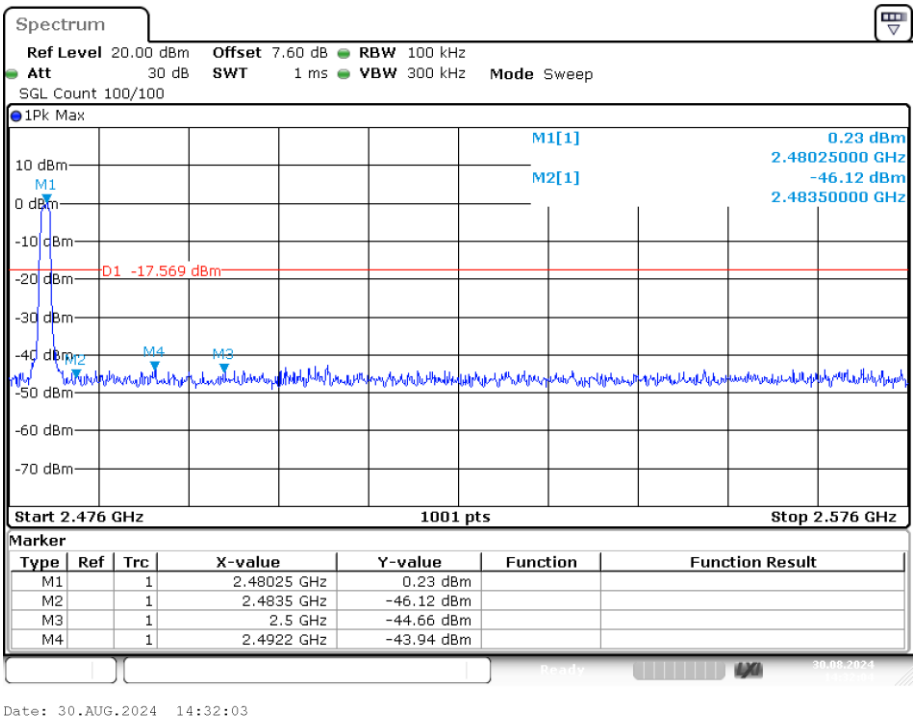
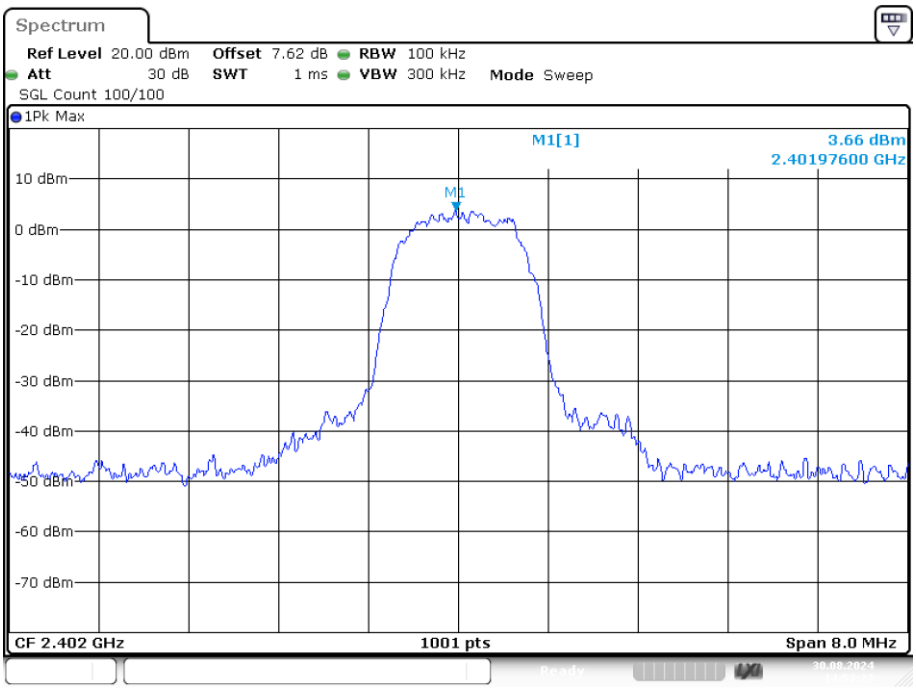


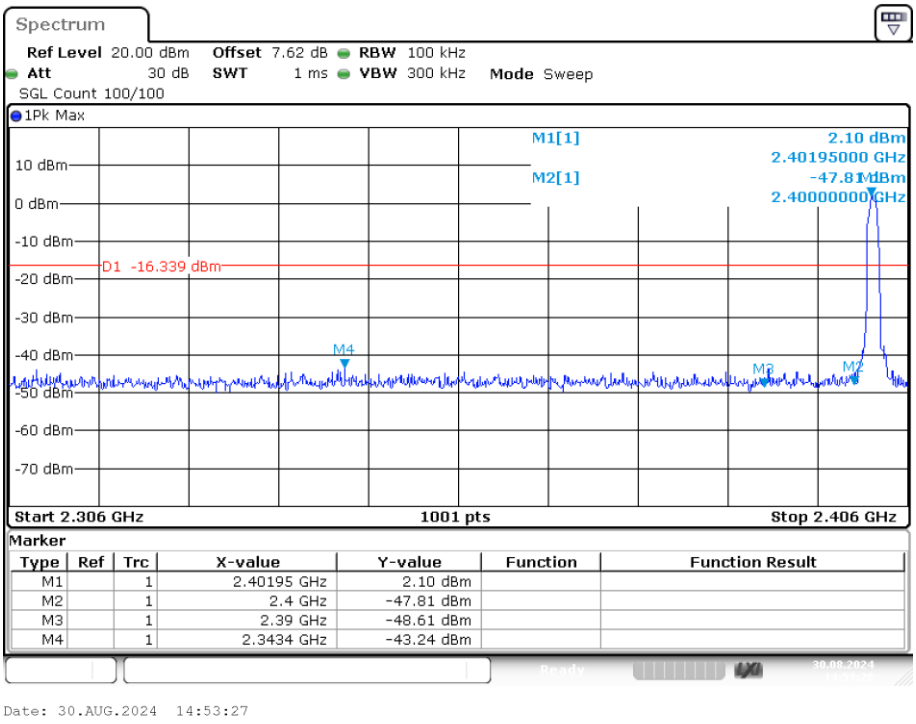
Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Emission



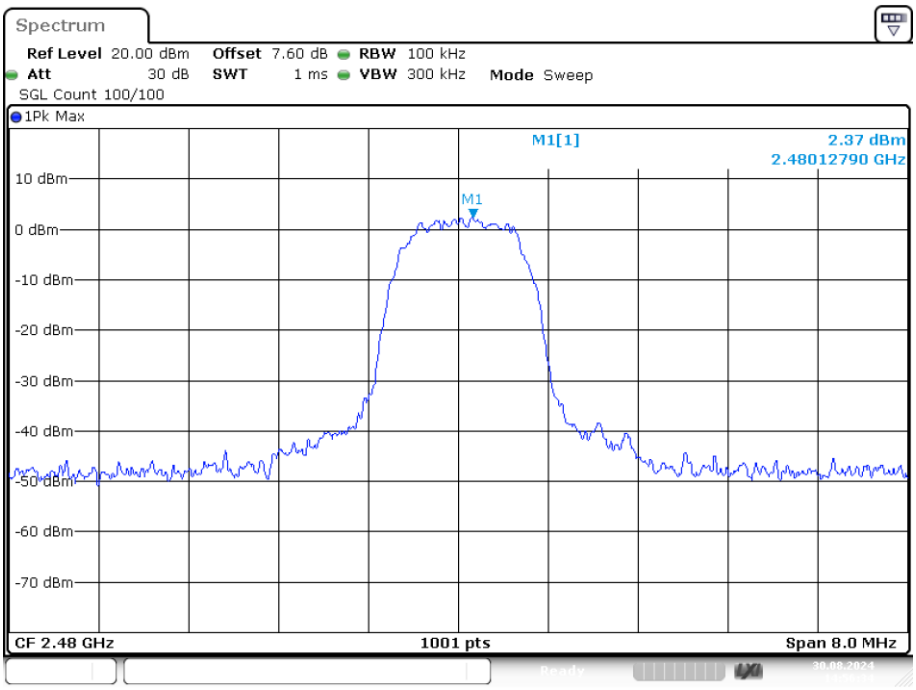
Band Edge NVNT 3-DH1 2402MHz Ant1 No-Hopping Ref



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

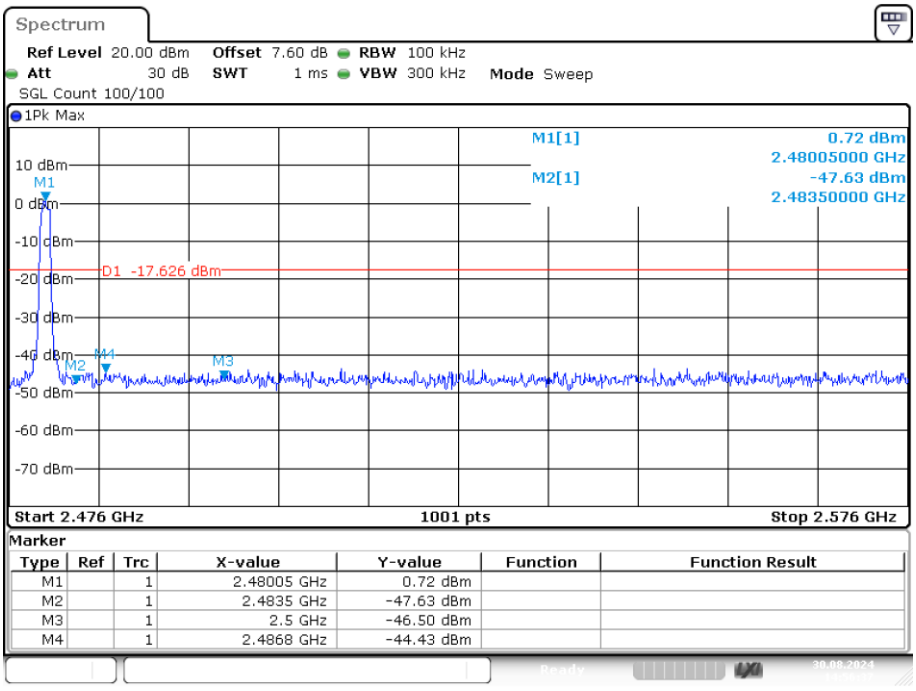


Band Edge NVNT 3-DH1 2480MHz Ant1 No-Hopping Ref



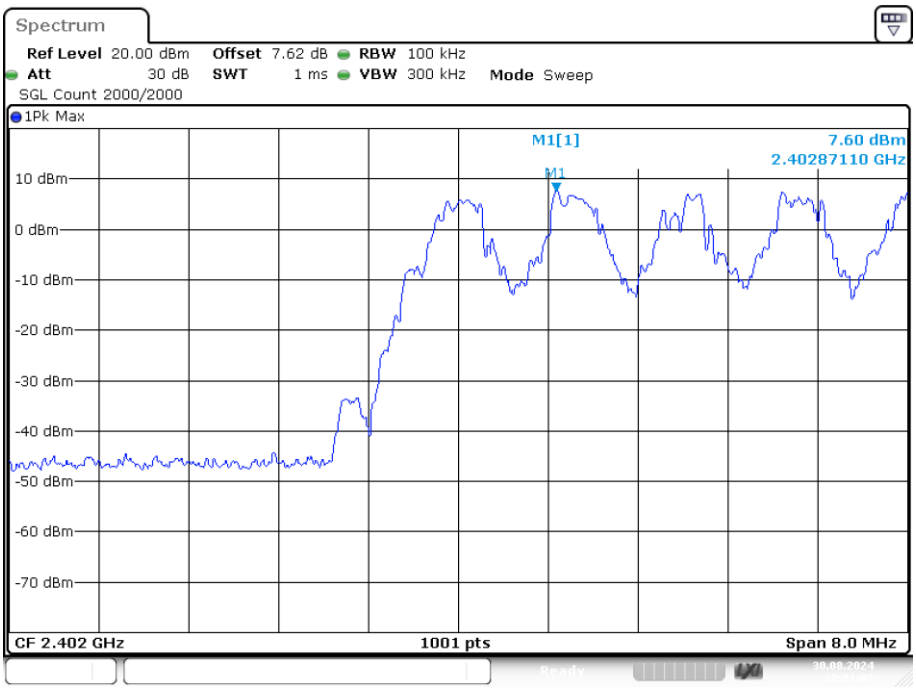
Date: 30.AUG.2024 14:56:34

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



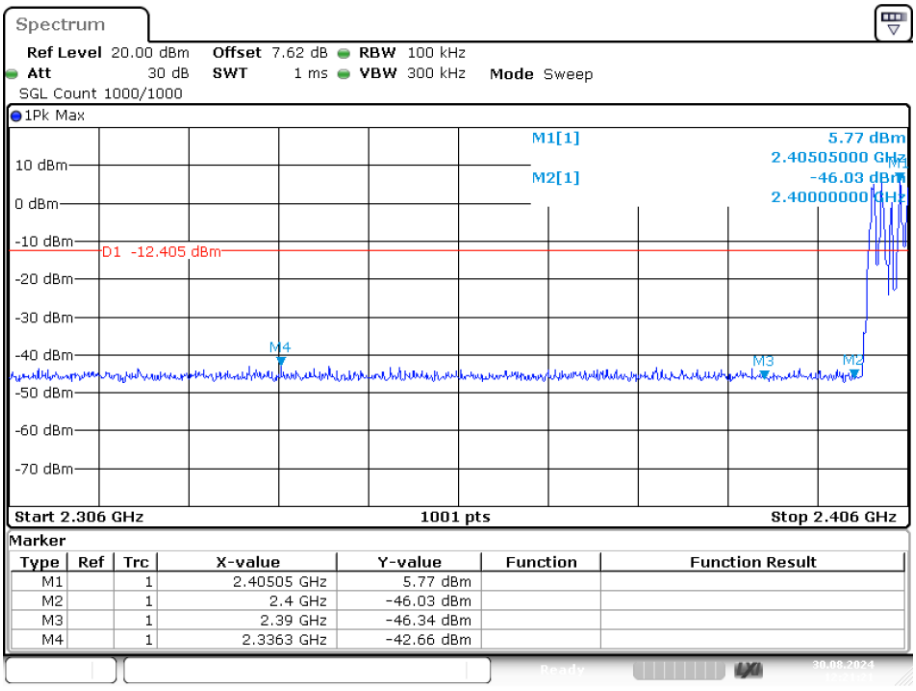
Date: 30.AUG.2024 14:56:38

Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Ref



Date: 30.AUG.2024 12:21:06

Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Emission



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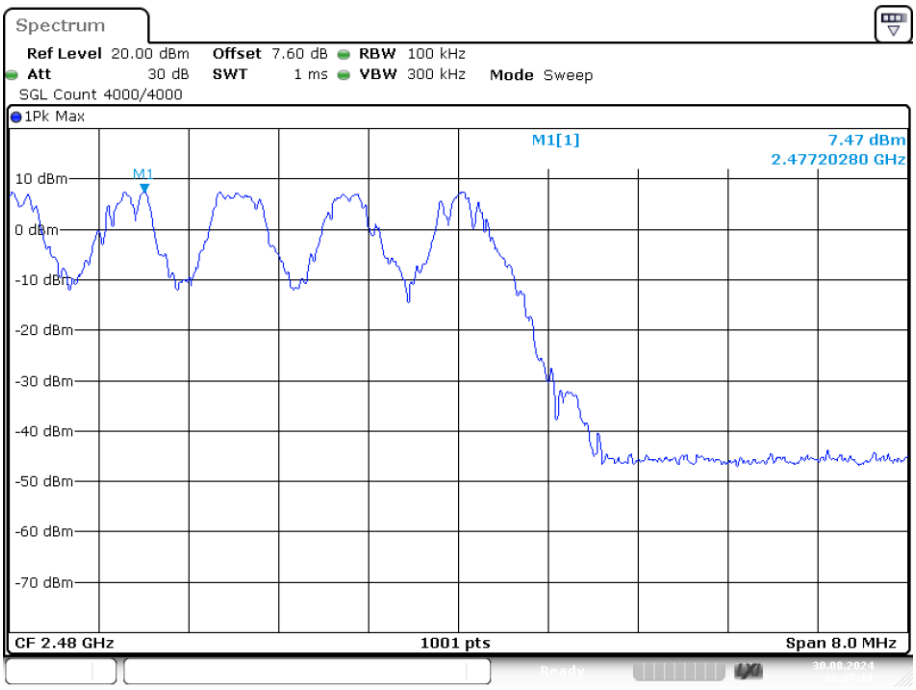
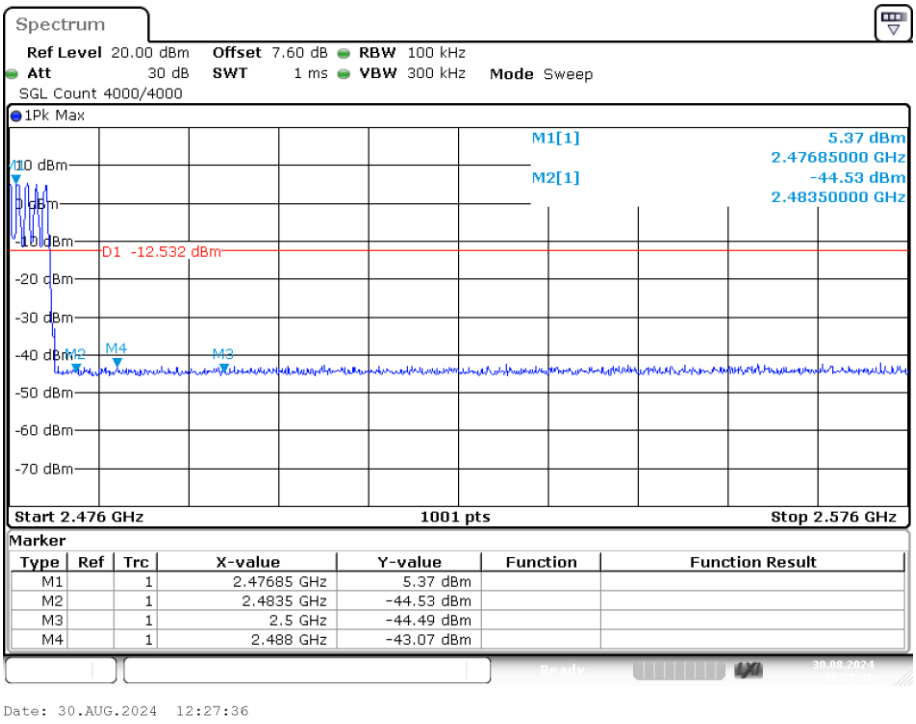
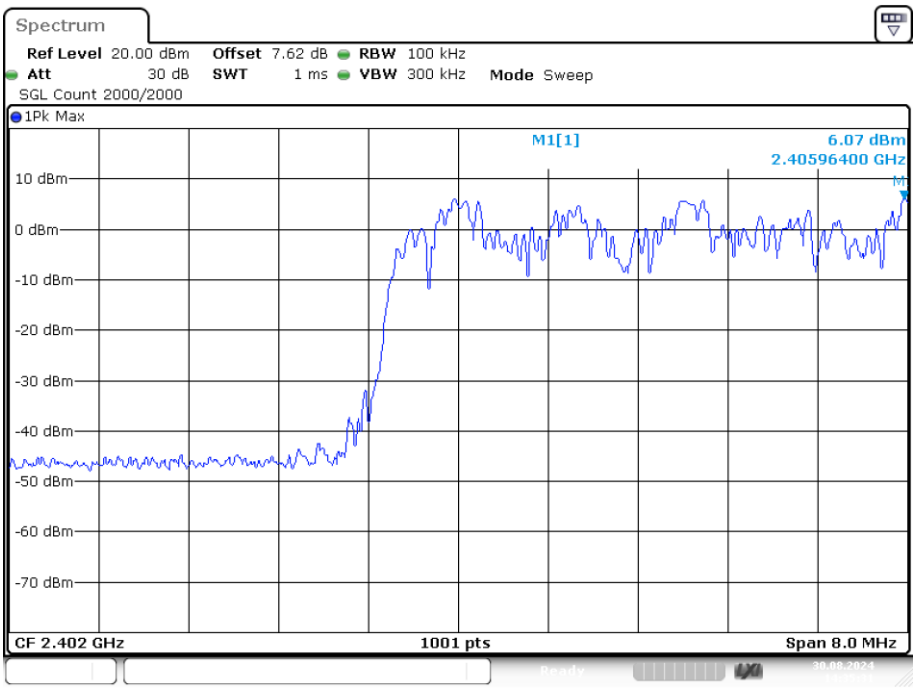


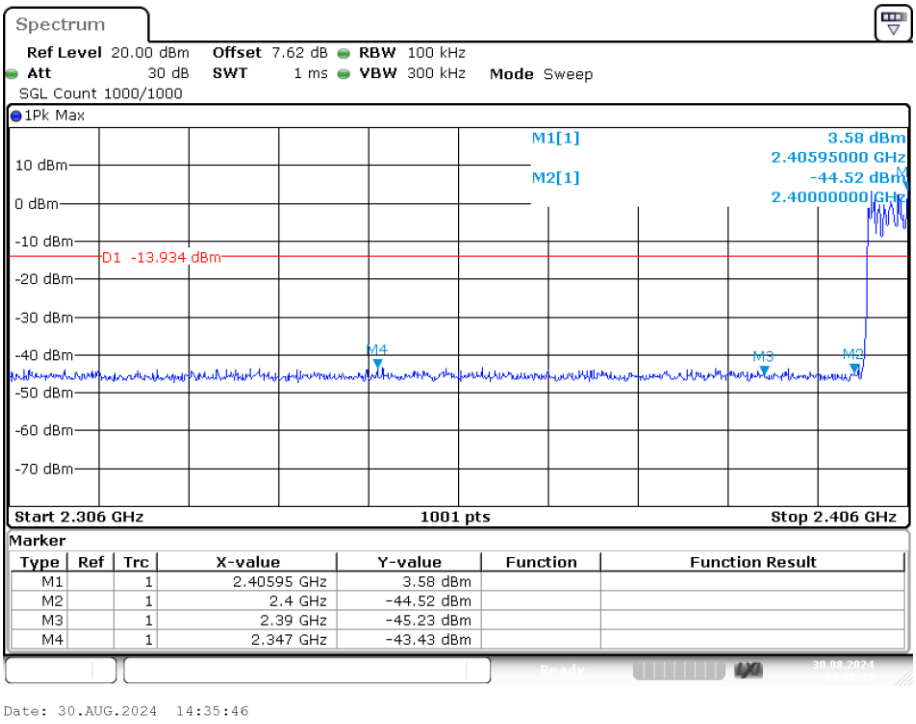
Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Emission



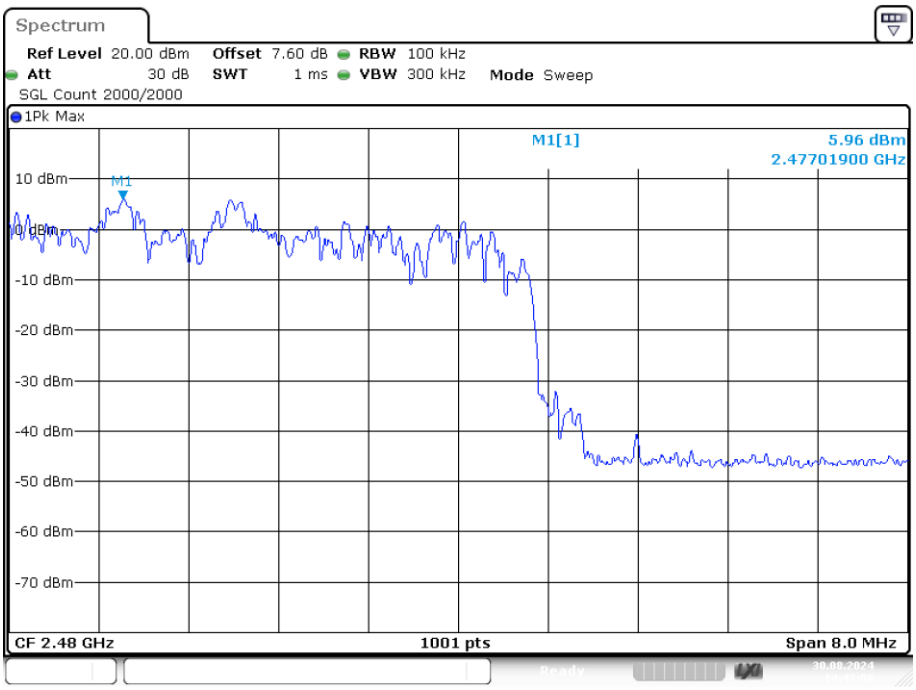
Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Ref



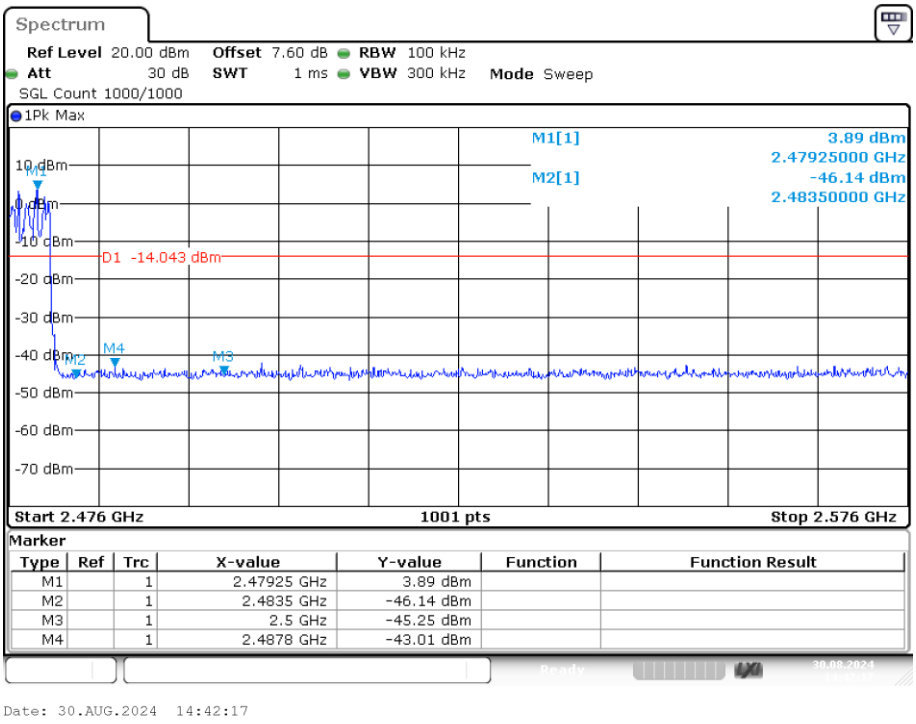
Band Edge(Hopping) NVNT 2-DH1 2402MHz Ant1 Hopping Emission



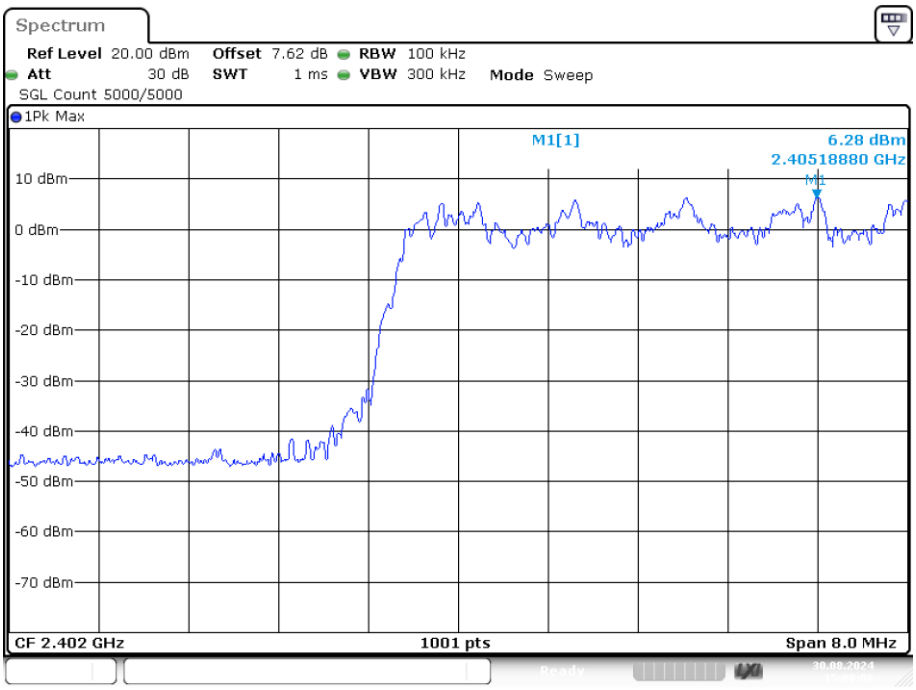
Band Edge(Hopping) NVNT 2-DH1 2480MHz Ant1 Hopping Ref



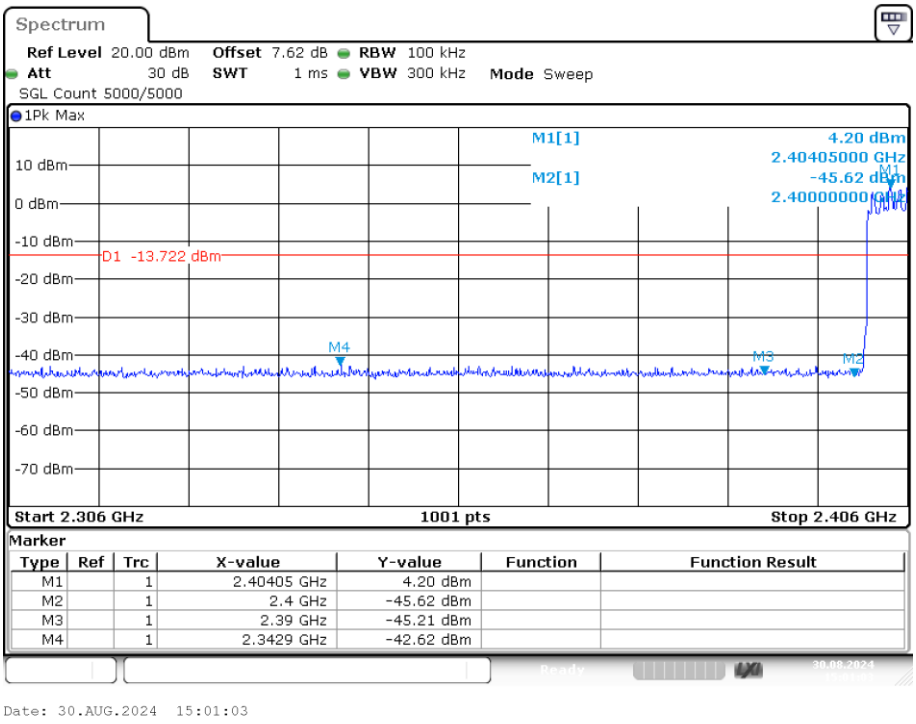
Band Edge(Hopping) NVNT 2-DH1 2480MHz Ant1 Hopping Emission



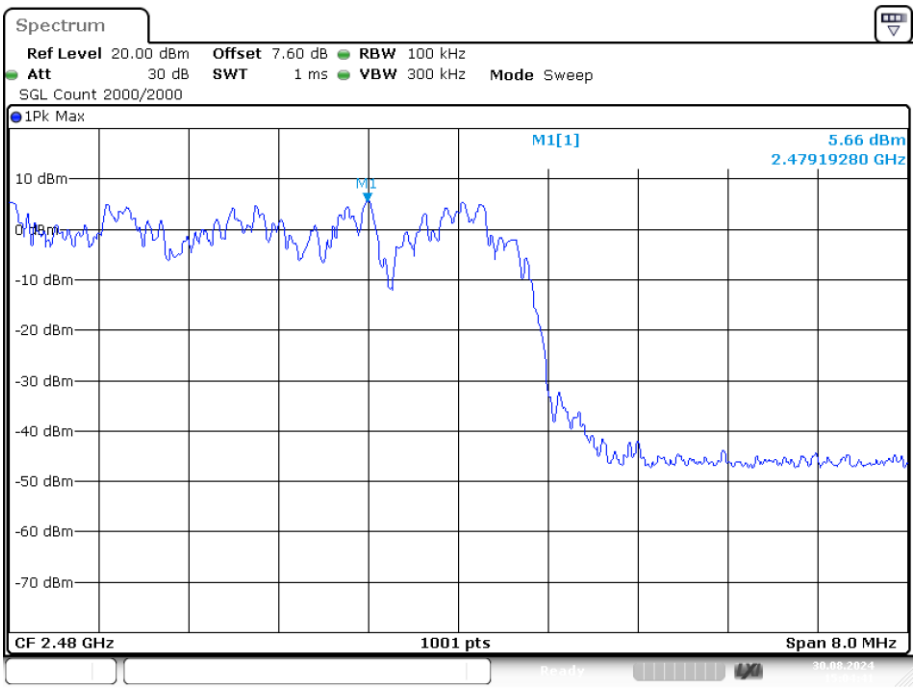
Band Edge(Hopping) NVNT 3-DH1 2402MHz Ant1 Hopping Ref



Band Edge(Hopping) NVNT 3-DH1 2402MHz Ant1 Hopping Emission

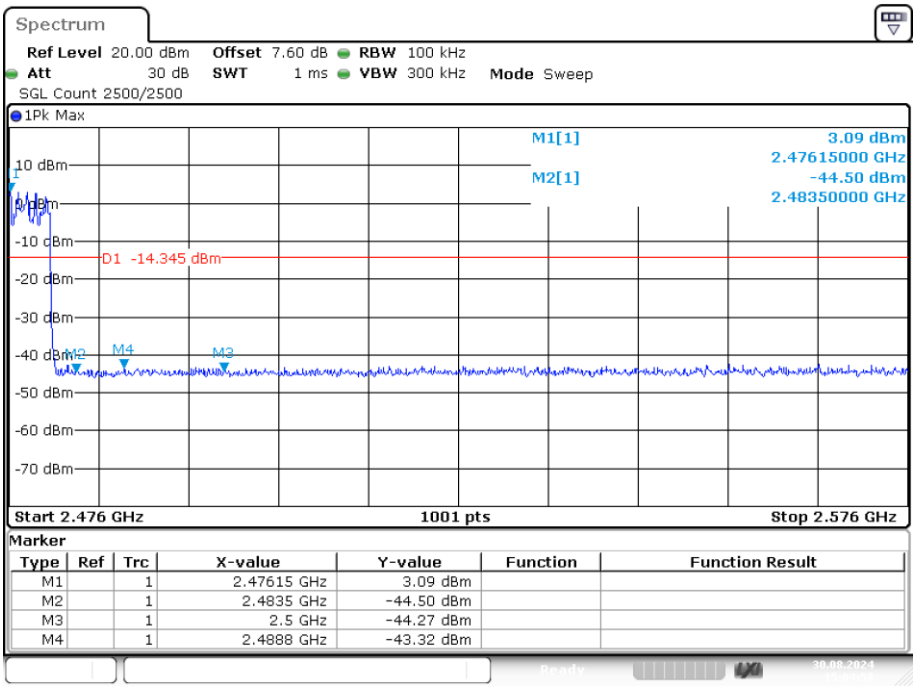


Band Edge(Hopping) NVNT 3-DH1 2480MHz Ant1 Hopping Ref



Date: 30.AUG.2024 15:04:40

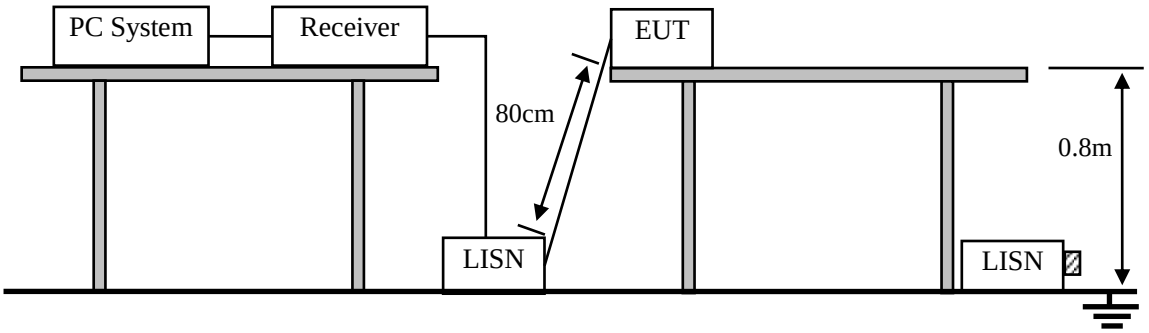
Band Edge(Hopping) NVNT 3-DH1 2480MHz Ant1 Hopping Emission



Date: 30.AUG.2024 15:04:58

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.

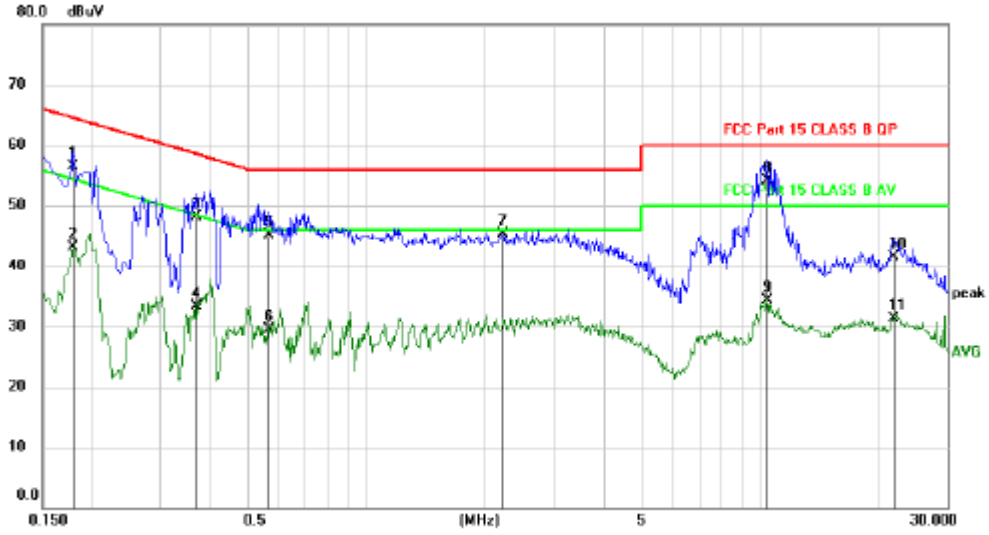
(5) The frequency range from 150 KHz to 30MHz is checked.

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

Line:

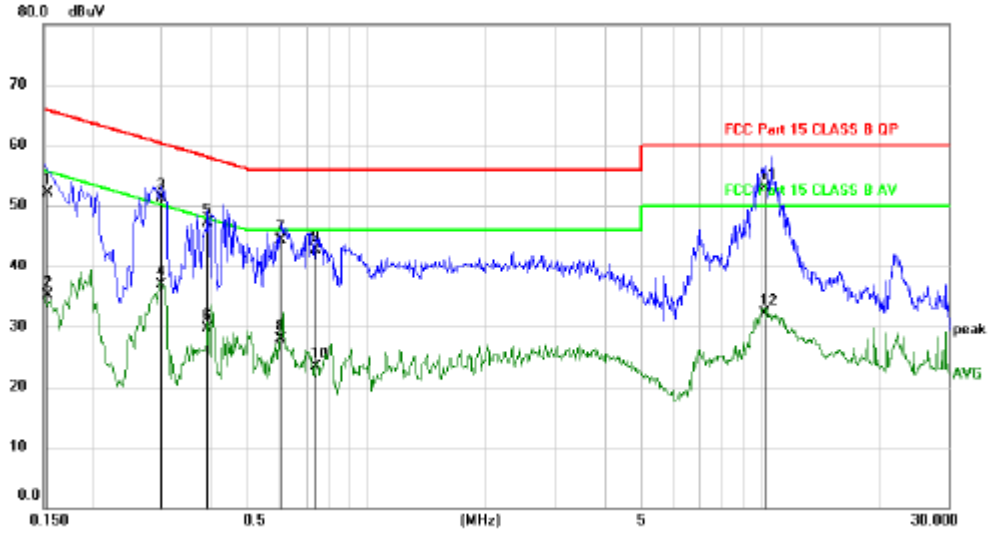


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1800	46.50	9.93	56.43	64.49	-8.06	QP	
2		0.1800	33.11	9.93	43.04	54.49	-11.45	AVG	
3		0.3690	38.20	9.95	48.15	58.52	-10.37	QP	
4		0.3690	23.32	9.95	33.27	48.52	-15.25	AVG	
5		0.5670	35.25	9.93	45.18	56.00	-10.82	QP	
6		0.5670	19.58	9.93	29.51	46.00	-16.49	AVG	
7		2.2349	35.49	9.89	45.38	56.00	-10.62	peak	
8	*	10.4580	43.85	10.22	54.07	60.00	-5.93	QP	
9		10.4580	24.13	10.22	34.35	50.00	-15.65	AVG	
10		21.9540	31.01	10.46	41.47	60.00	-18.53	QP	
11		21.9540	20.81	10.46	31.27	50.00	-18.73	AVG	

*: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

Neutral:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1539	42.15	9.94	52.09	65.79	-13.70	QP	
2		0.1539	25.10	9.94	35.04	55.79	-20.75	AVG	
3		0.3000	41.38	9.92	51.30	60.24	-8.94	QP	
4		0.3000	27.01	9.92	36.93	50.24	-13.31	AVG	
5		0.3930	37.21	9.94	47.15	58.00	-10.85	QP	
6		0.3930	19.86	9.94	29.80	48.00	-18.20	AVG	
7		0.6029	34.31	9.92	44.23	56.00	-11.77	QP	
8		0.6029	17.90	9.92	27.82	46.00	-18.18	AVG	
9		0.7380	32.68	9.93	42.61	56.00	-13.39	QP	
10		0.7380	13.35	9.93	23.28	46.00	-22.72	AVG	
11	*	10.1909	42.74	10.21	52.95	60.00	-7.05	QP	
12		10.1909	21.97	10.21	32.18	50.00	-17.82	AVG	

*: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

Remark: This report only shall the worst case mode for GFSK 2402MHz.

11. Antenna Requirements

11.1.Limit

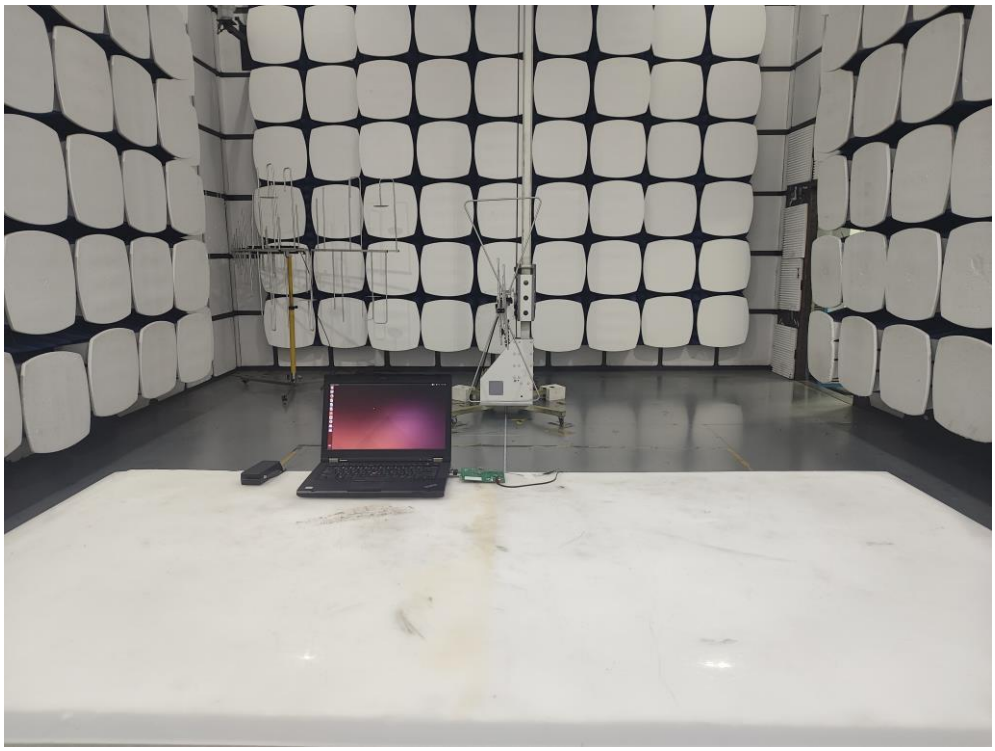
For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional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

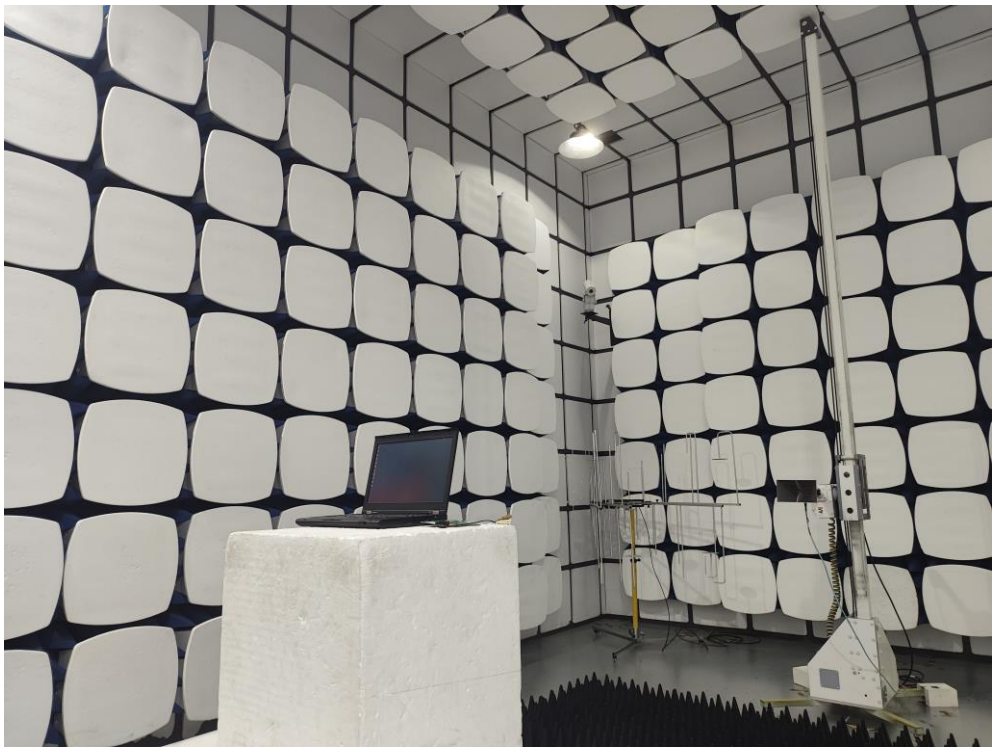
11.2.Result

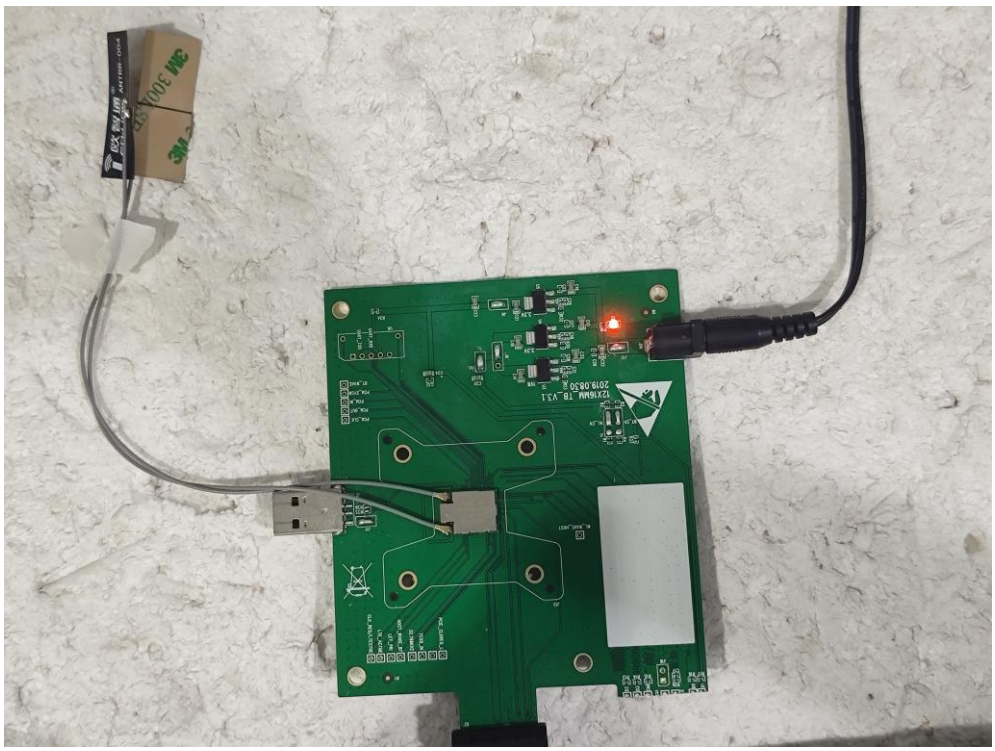
The EUT antenna is PIFA antenna. It complies with the standard requirement.

12. Test Setup Photo

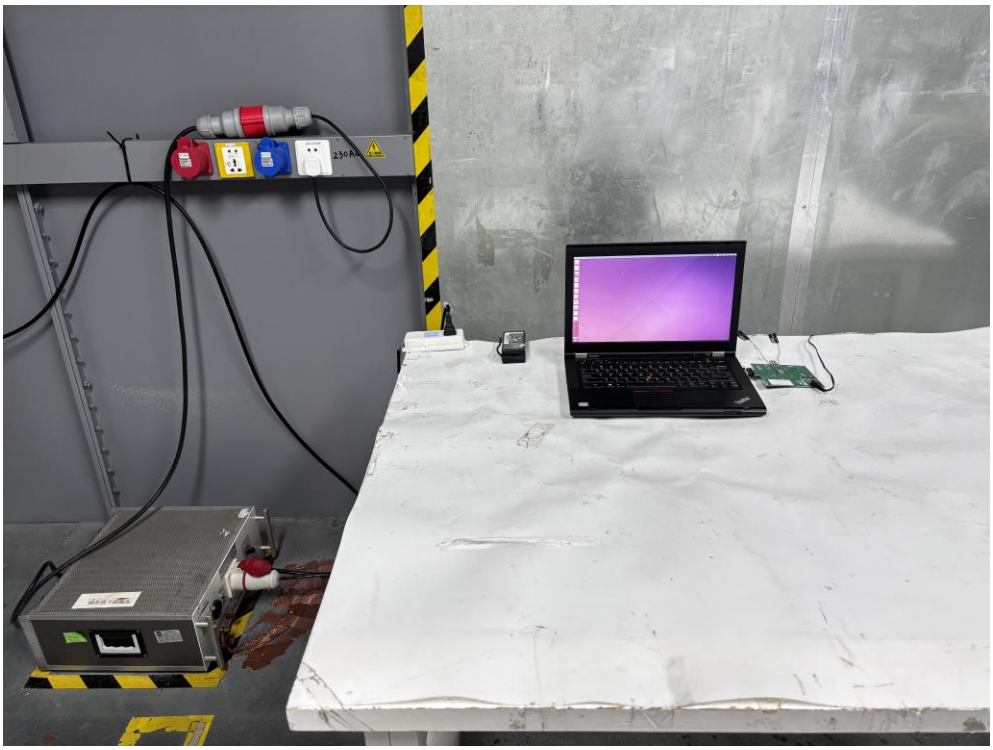
12.1.Photos of Radiated emission

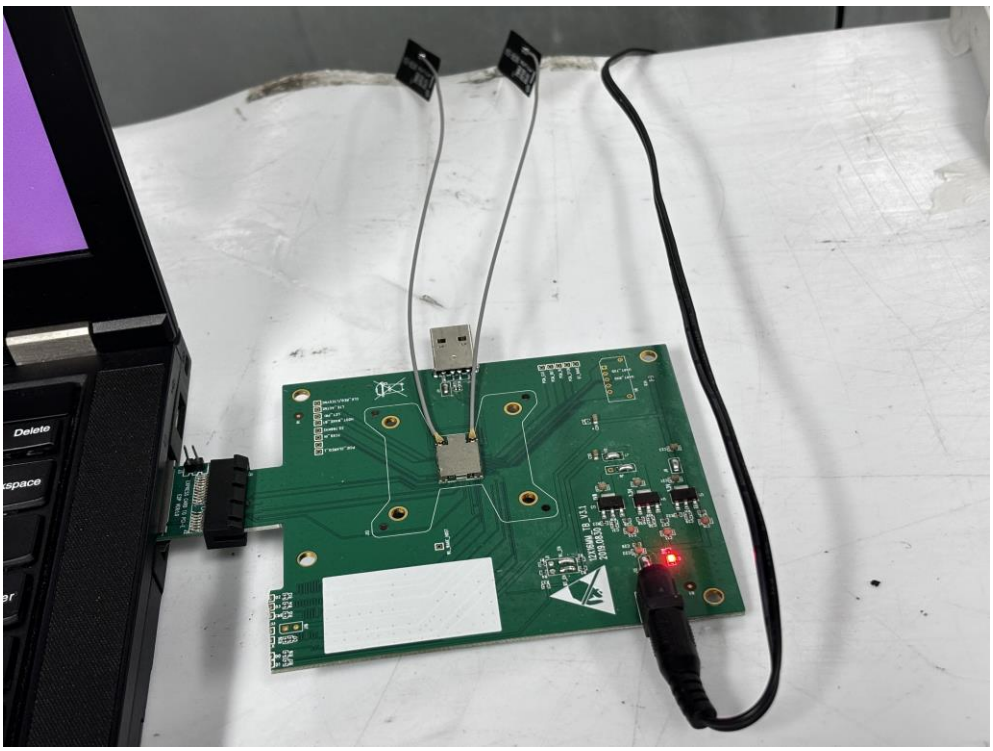






12.2.Photos of Conducted Emission test





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