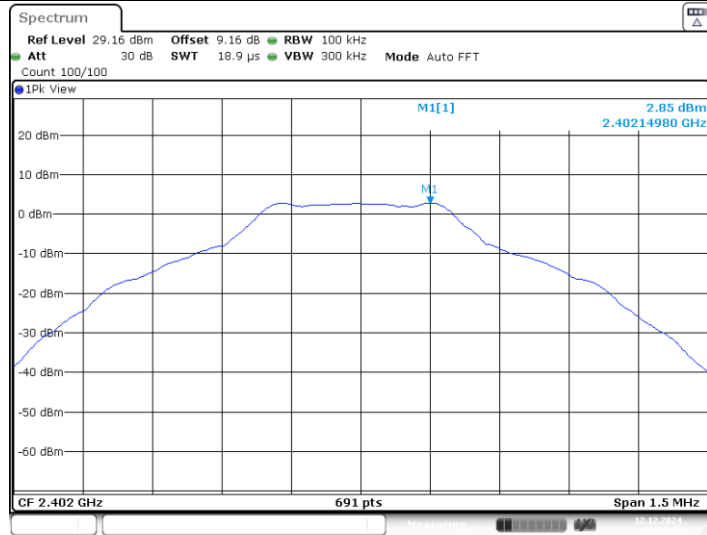


Reference level measurement

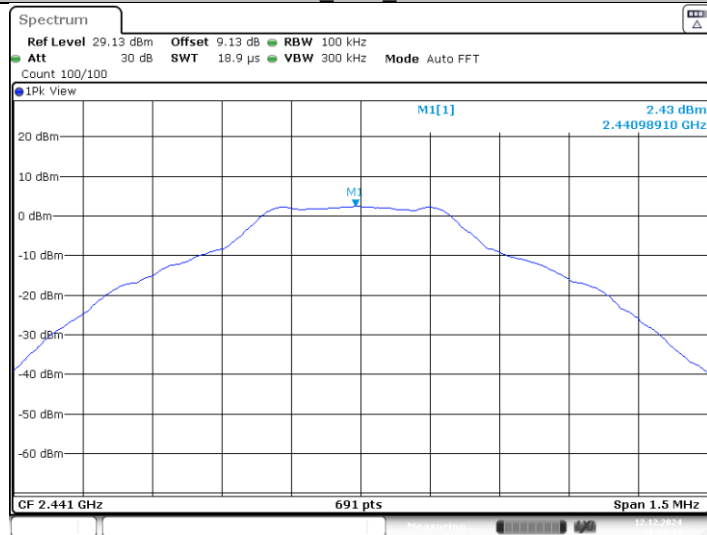
TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
DH5	Ant1	2402	2402.15	2.85
		2441	2440.99	2.43
		2480	2480.15	2.67
2DH5	Ant1	2402	2401.83	2.27
		2441	2440.83	1.87
		2480	2479.83	2.03
3DH5	Ant1	2402	2402.15	2.08
		2441	2441.15	1.62
		2480	2480.15	1.80

DH5_Ant1_2402

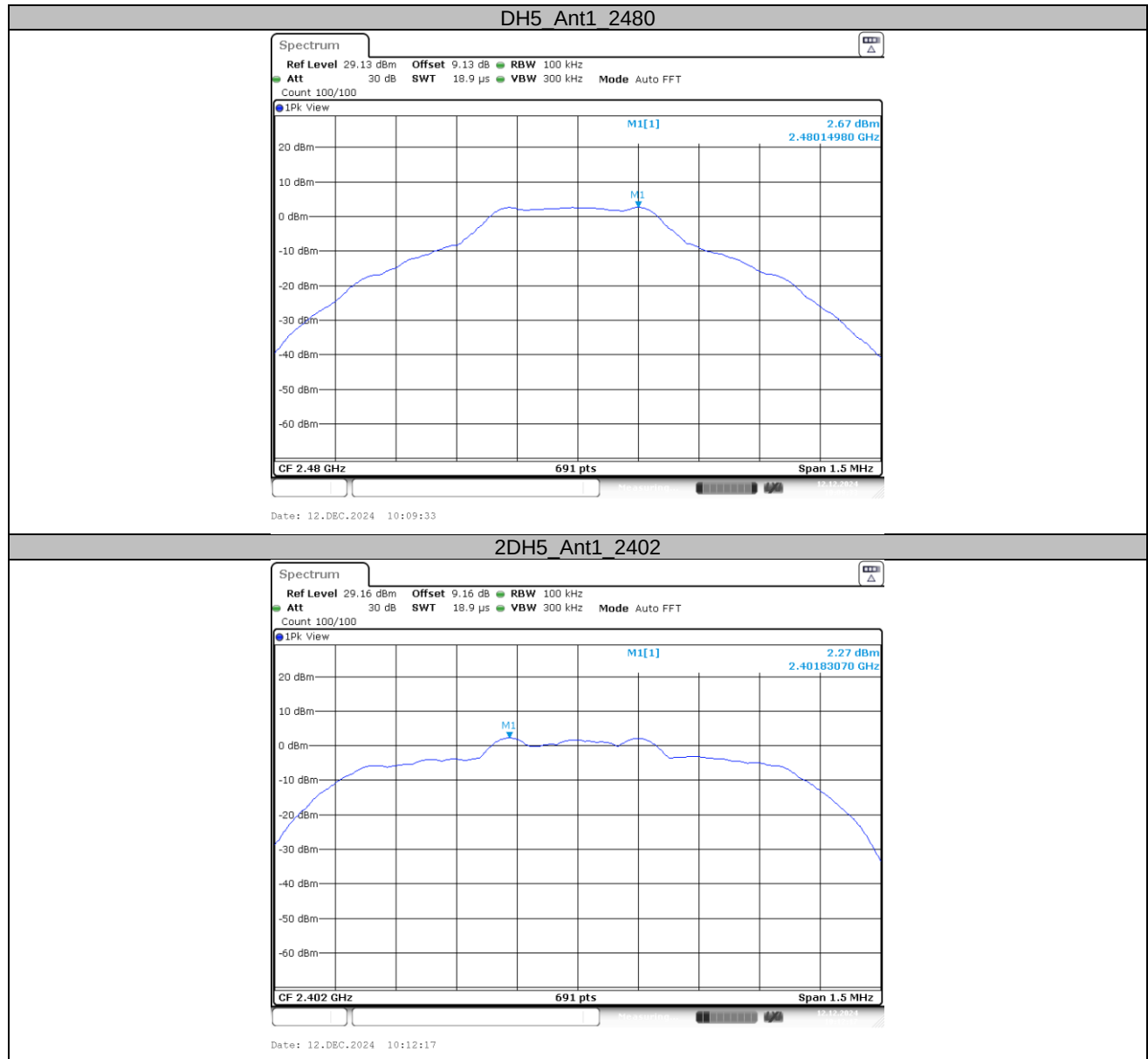


Date: 12.DEC.2024 10:05:44

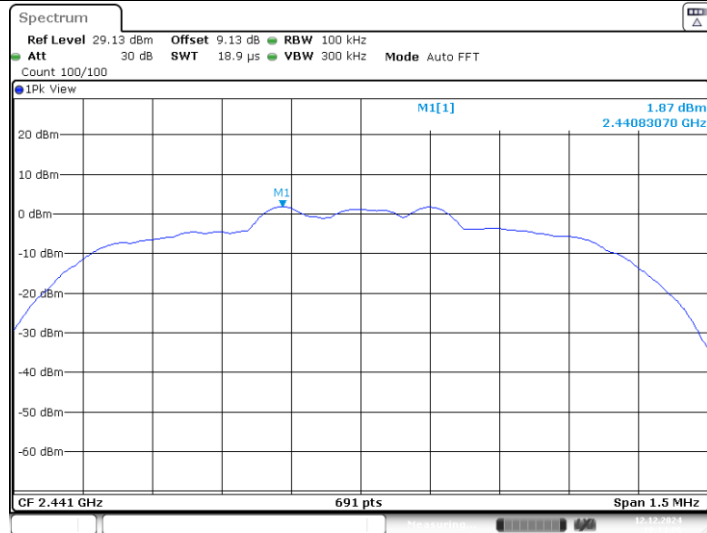
DH5_Ant1_2441



Date: 12.DEC.2024 10:07:13

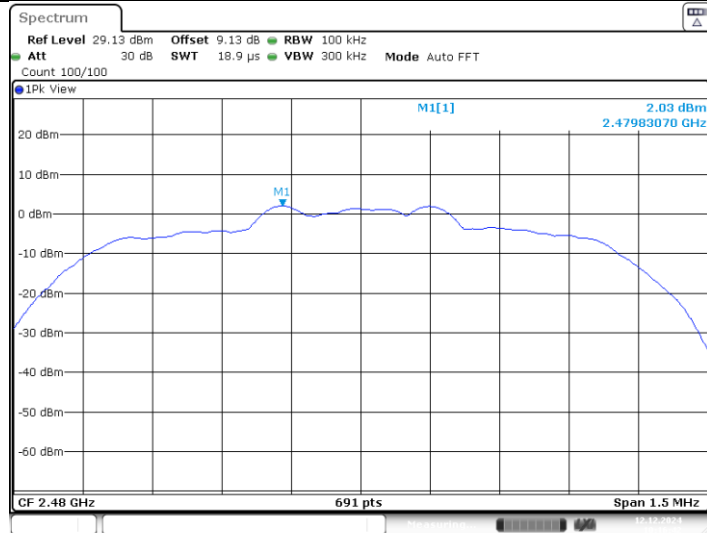


2DH5_Ant1_2441

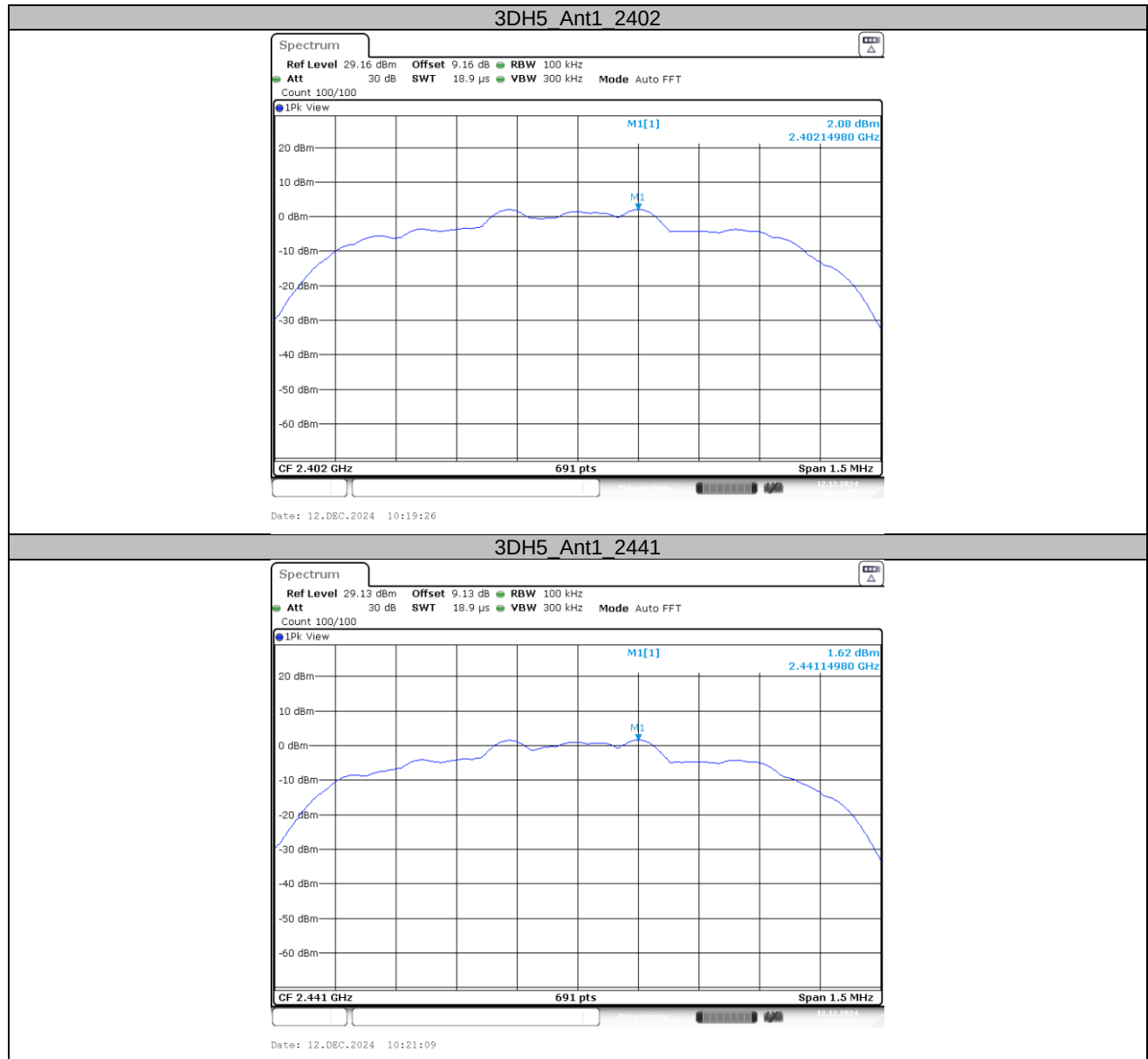


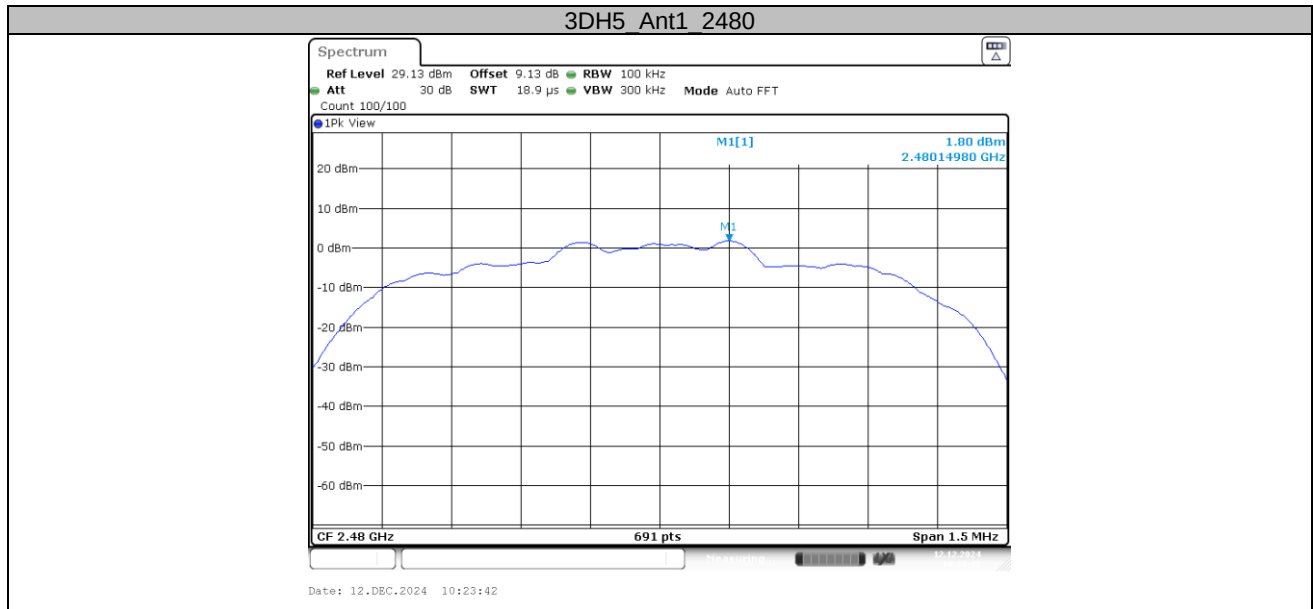
Date: 12.DEC.2024 10:14:06

2DH5_Ant1_2480



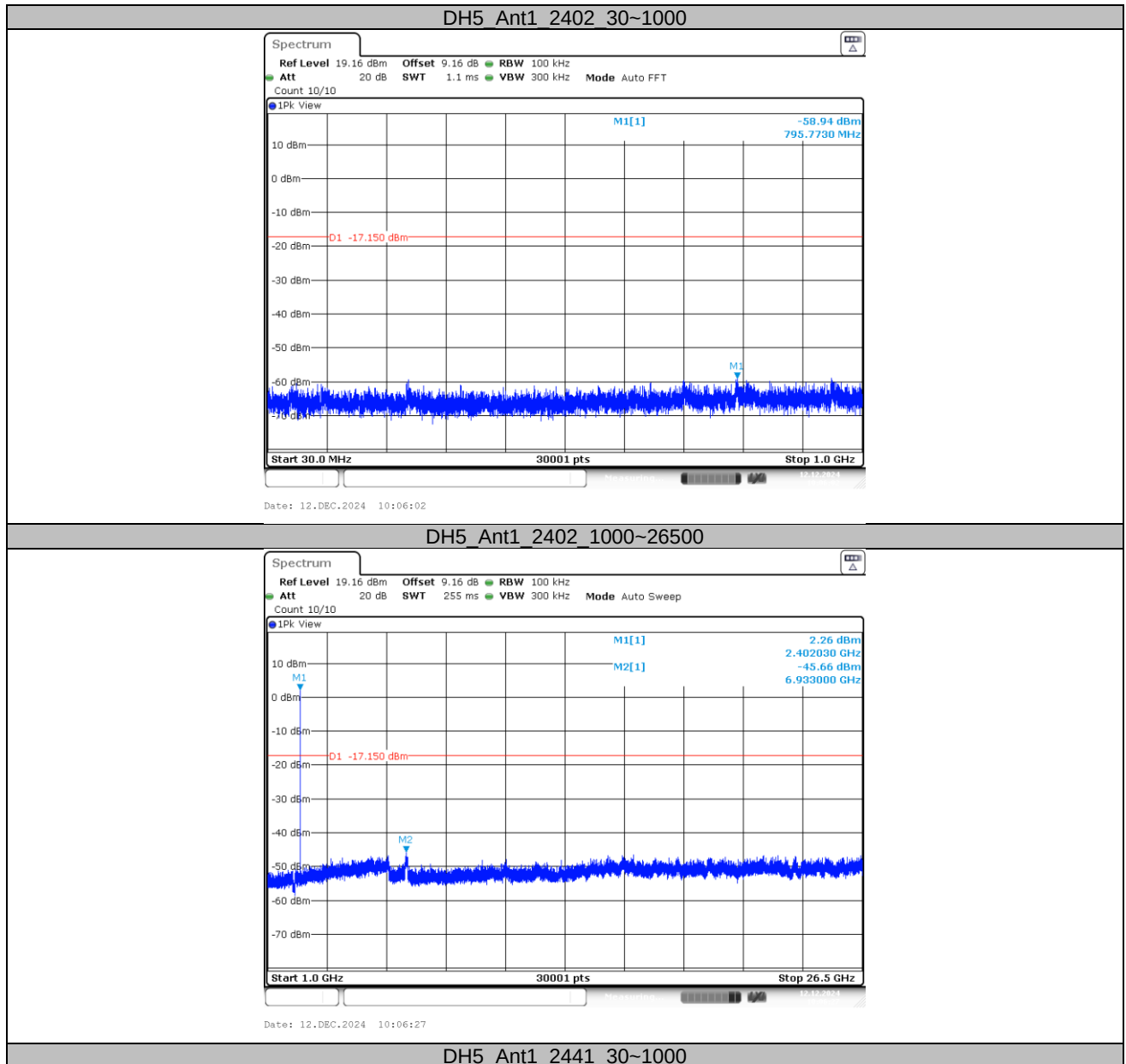
Date: 12.DEC.2024 10:16:42

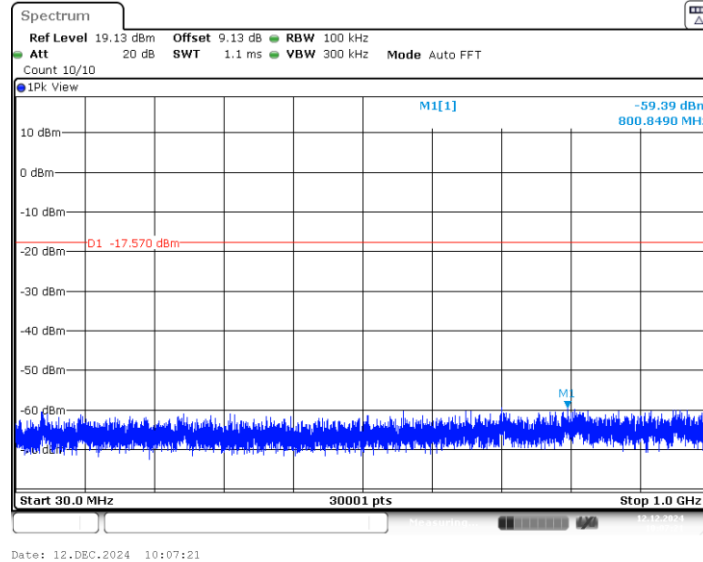




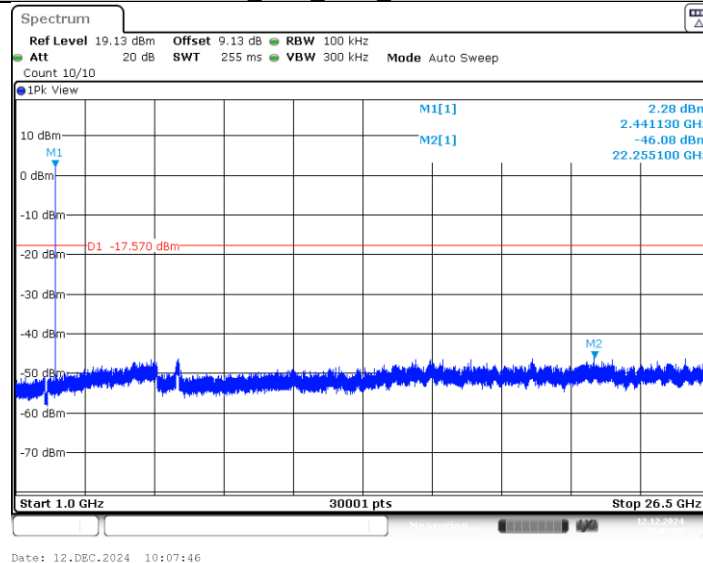
Conducted Method

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	30~1000	2.85	-58.94	≤-17.15	PASS
			1000~26500	2.85	-45.66	≤-17.15	PASS
		2441	30~1000	2.43	-59.39	≤-17.57	PASS
			1000~26500	2.43	-46.08	≤-17.57	PASS
		2480	30~1000	2.67	-59.07	≤-17.33	PASS
			1000~26500	2.67	-45.52	≤-17.33	PASS
2DH5	Ant1	2402	30~1000	2.27	-59.93	≤-17.73	PASS
			1000~26500	2.27	-44.61	≤-17.73	PASS
		2441	30~1000	1.87	-58.37	≤-18.13	PASS
			1000~26500	1.87	-46.13	≤-18.13	PASS
		2480	30~1000	2.03	-59.11	≤-17.97	PASS
			1000~26500	2.03	-46.09	≤-17.97	PASS
3DH5	Ant1	2402	30~1000	2.08	-58.05	≤-17.92	PASS
			1000~26500	2.08	-46.3	≤-17.92	PASS
		2441	30~1000	1.62	-58.15	≤-18.38	PASS
			1000~26500	1.62	-46.3	≤-18.38	PASS
		2480	30~1000	1.80	-59	≤-18.2	PASS
			1000~26500	1.80	-45.81	≤-18.2	PASS

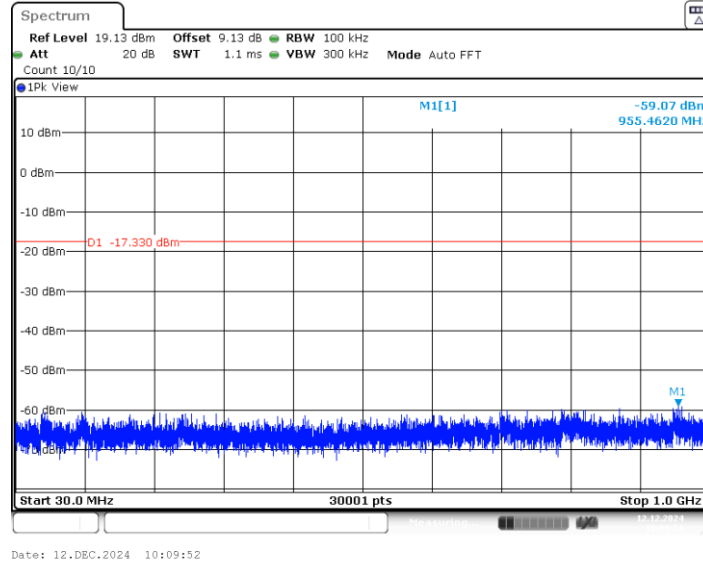




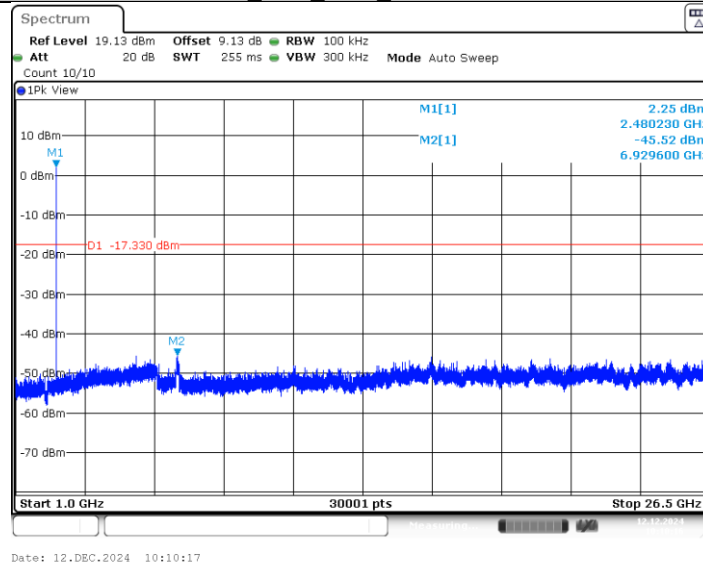
DH5_Ant1_2441_1000~26500



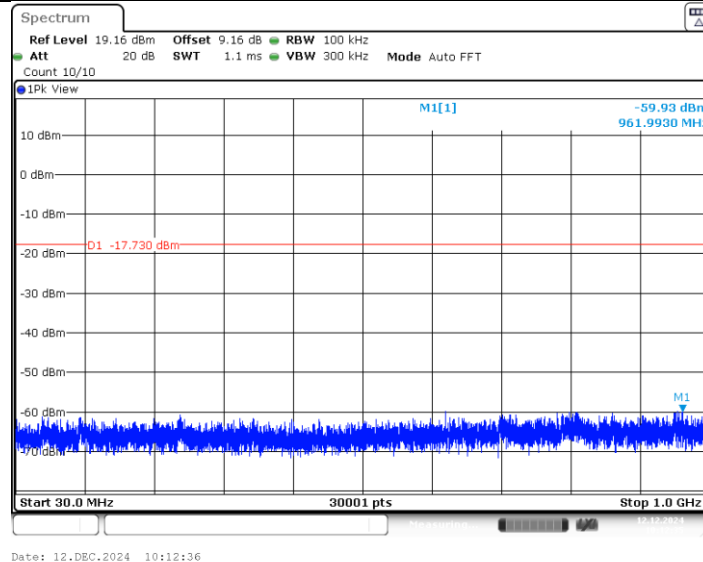
DH5_Ant1_2480_30~1000



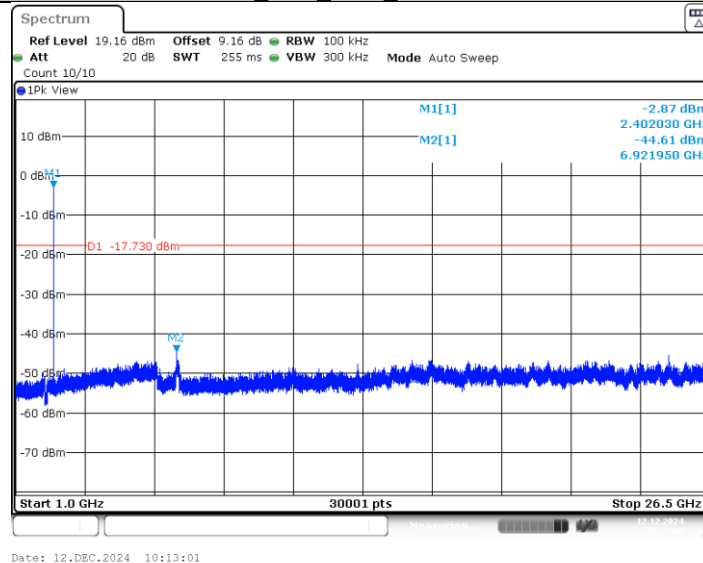
DH5_Ant1_2480_1000~26500



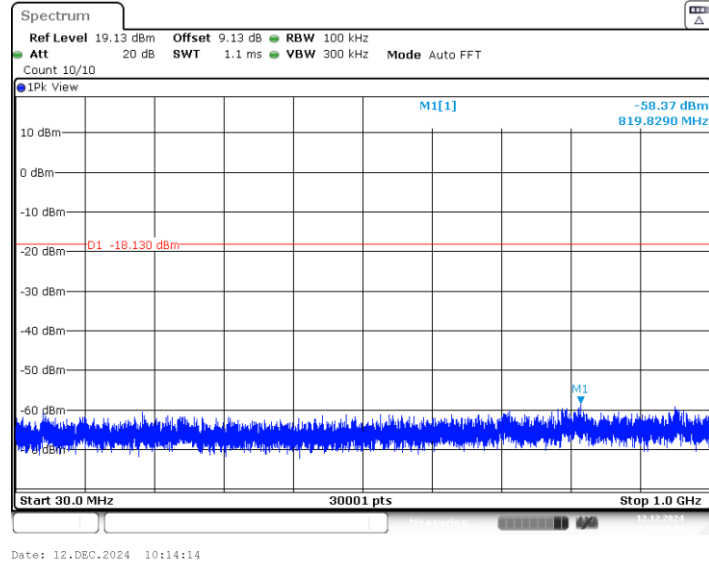
2DH5_Ant1_2402_30~1000



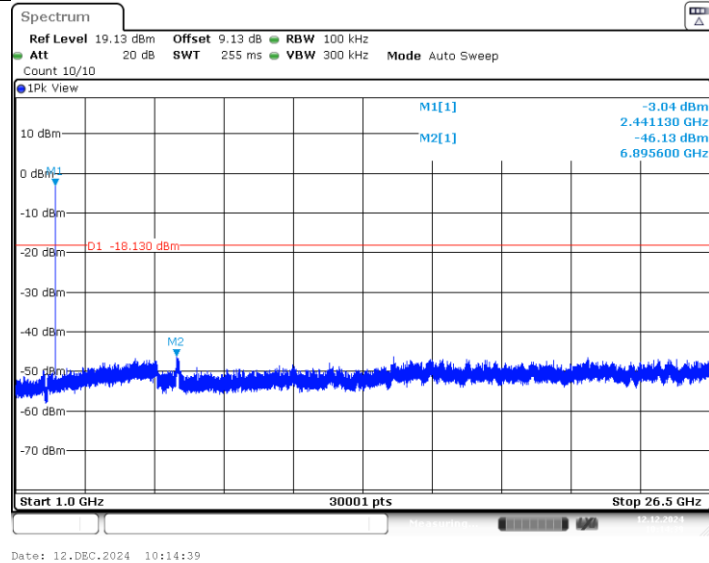
2DH5_Ant1_2402_1000~26500



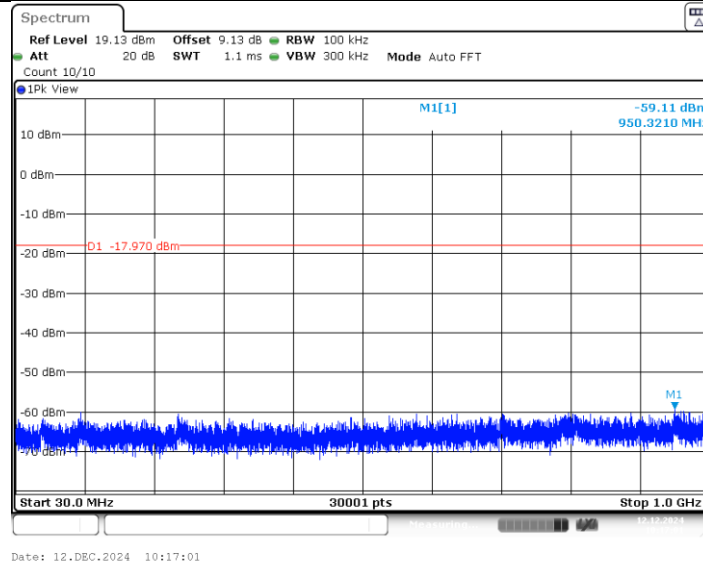
2DH5_Ant1_2441_30~1000



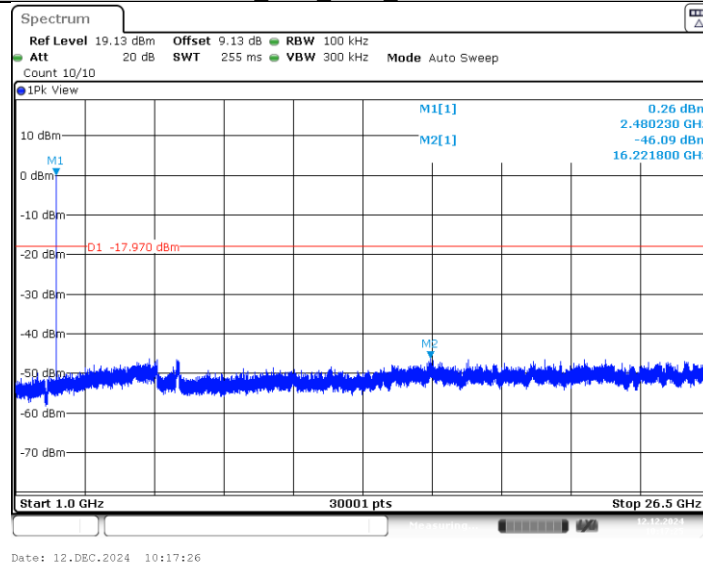
2DH5_Ant1_2441_1000~26500



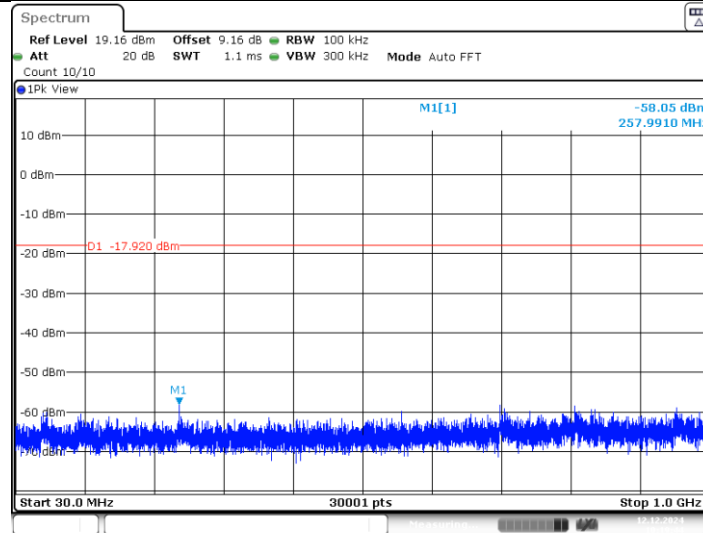
2DH5_Ant1_2480_30~1000



2DH5_Ant1_2480_1000~26500

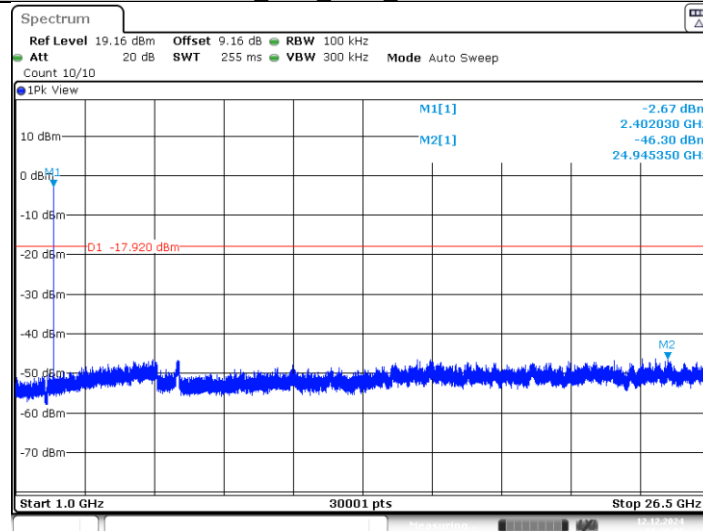


3DH5_Ant1_2402_30~1000



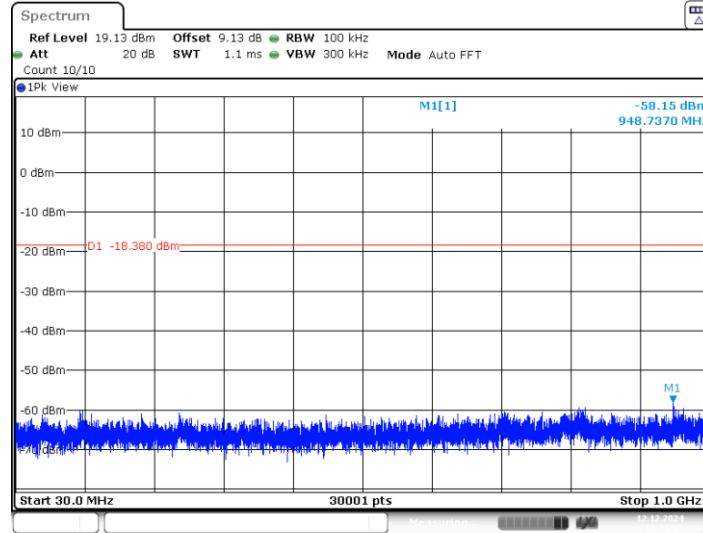
Date: 12.DEC.2024 10:19:44

3DH5_Ant1_2402_1000~26500



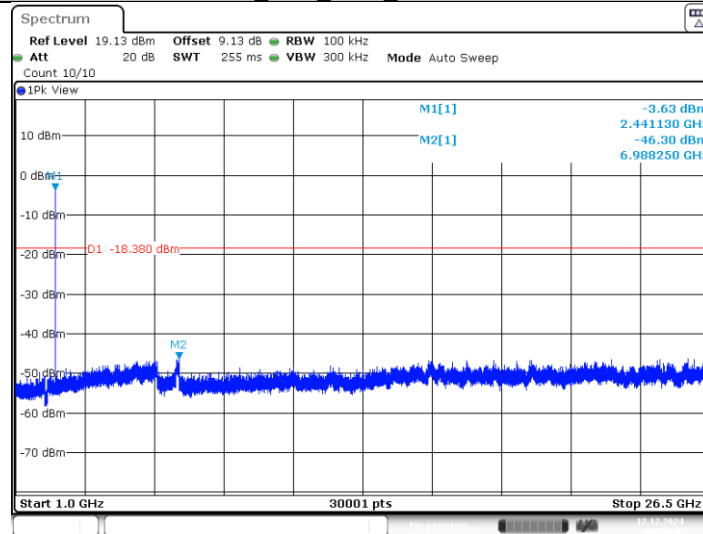
Date: 12.DEC.2024 10:20:09

3DH5_Ant1_2441_30~1000



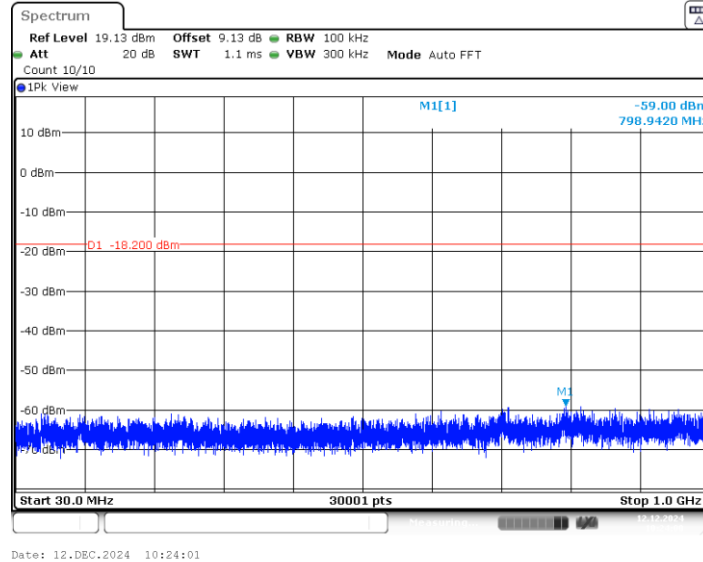
Date: 12.DEC.2024 10:21:17

3DH5 Ant1 2441_1000~26500

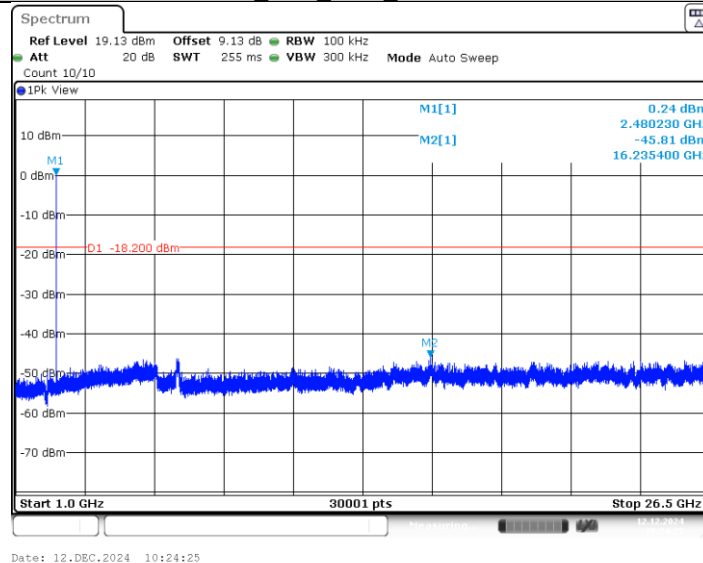


Date: 12.DEC.2024 10:21:42

3DH5 Ant1 2480_30~1000

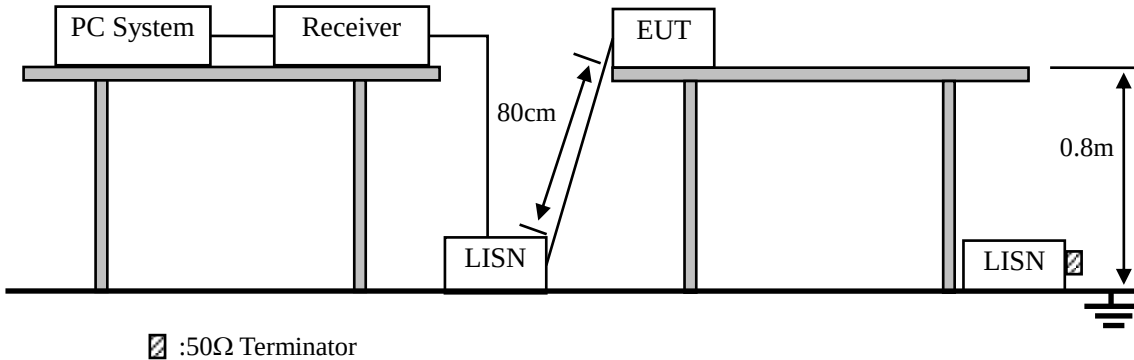


3DH5 Ant1 2480 1000~26500



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.

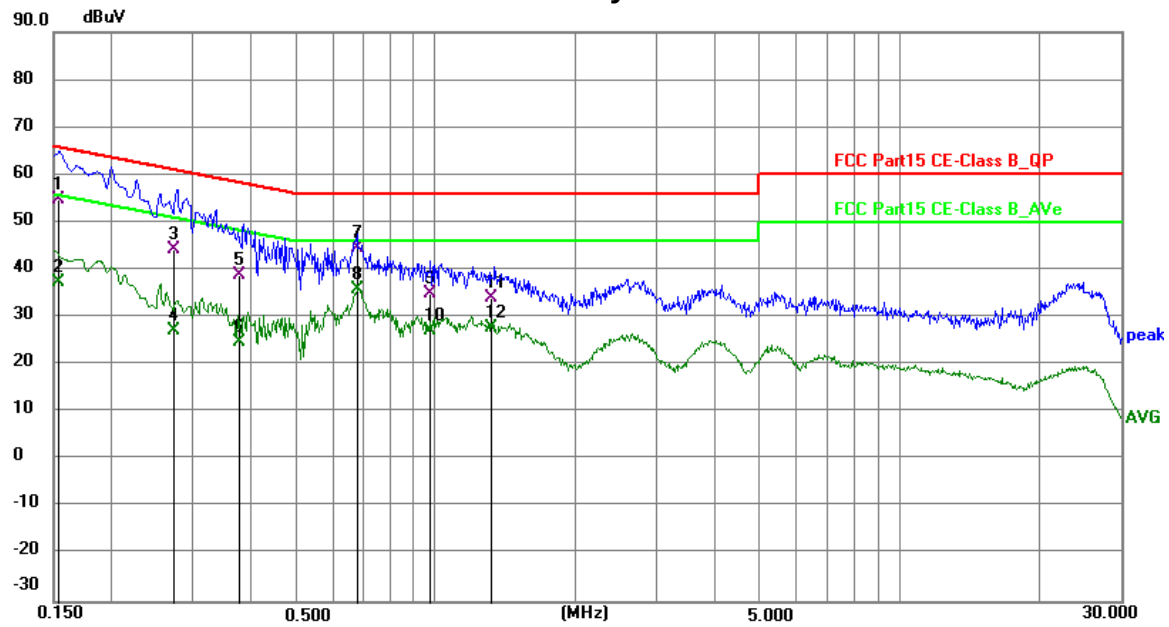
10.3. Test Procedure

- (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 C63.10:2013 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

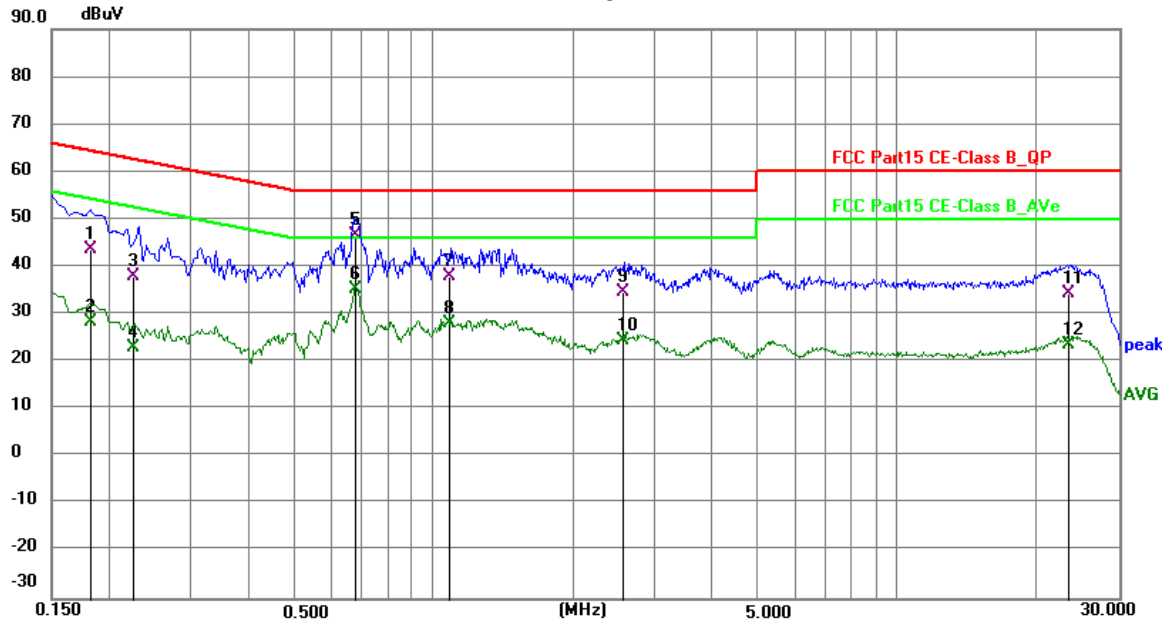
Pass

Polarity: L



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1543	45.14	9.63	54.77	65.77	-11.00	QP	P	
2	0.1543	27.81	9.63	37.44	55.77	-18.33	AVG	P	
3	0.2727	34.48	9.63	44.11	61.04	-16.93	QP	P	
4	0.2727	17.50	9.63	27.13	51.04	-23.91	AVG	P	
5	0.3772	29.07	9.63	38.70	58.34	-19.64	QP	P	
6	0.3772	15.12	9.63	24.75	48.34	-23.59	AVG	P	
7	0.6765	34.78	9.63	44.41	56.00	-11.59	QP	P	
8 *	0.6765	26.14	9.63	35.77	46.00	-10.23	AVG	P	
9	0.9740	25.19	9.64	34.83	56.00	-21.17	QP	P	
10	0.9740	17.50	9.64	27.14	46.00	-18.86	AVG	P	
11	1.3231	24.53	9.64	34.17	56.00	-21.83	QP	P	
12	1.3231	18.12	9.64	27.76	46.00	-18.24	AVG	P	

Polarity: N



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1823	34.15	9.63	43.78	64.38	-20.60	QP	P	
2	0.1823	18.72	9.63	28.35	54.38	-26.03	AVG	P	
3	0.2253	28.19	9.63	37.82	62.62	-24.80	QP	P	
4	0.2253	13.26	9.63	22.89	52.62	-29.73	AVG	P	
5 *	0.6787	37.13	9.62	46.75	56.00	-9.25	QP	P	
6	0.6787	25.54	9.62	35.16	46.00	-10.84	AVG	P	
7	1.0854	28.40	9.64	38.04	56.00	-17.96	QP	P	
8	1.0854	18.43	9.64	28.07	46.00	-17.93	AVG	P	
9	2.5591	25.03	9.65	34.68	56.00	-21.32	QP	P	
10	2.5591	14.91	9.65	24.56	46.00	-21.44	AVG	P	
11	23.6213	24.50	9.83	34.33	60.00	-25.67	QP	P	
12	23.6213	13.84	9.83	23.67	50.00	-26.33	AVG	P	

11. ANTENNA REQUIREMENTS

11.1.Limit

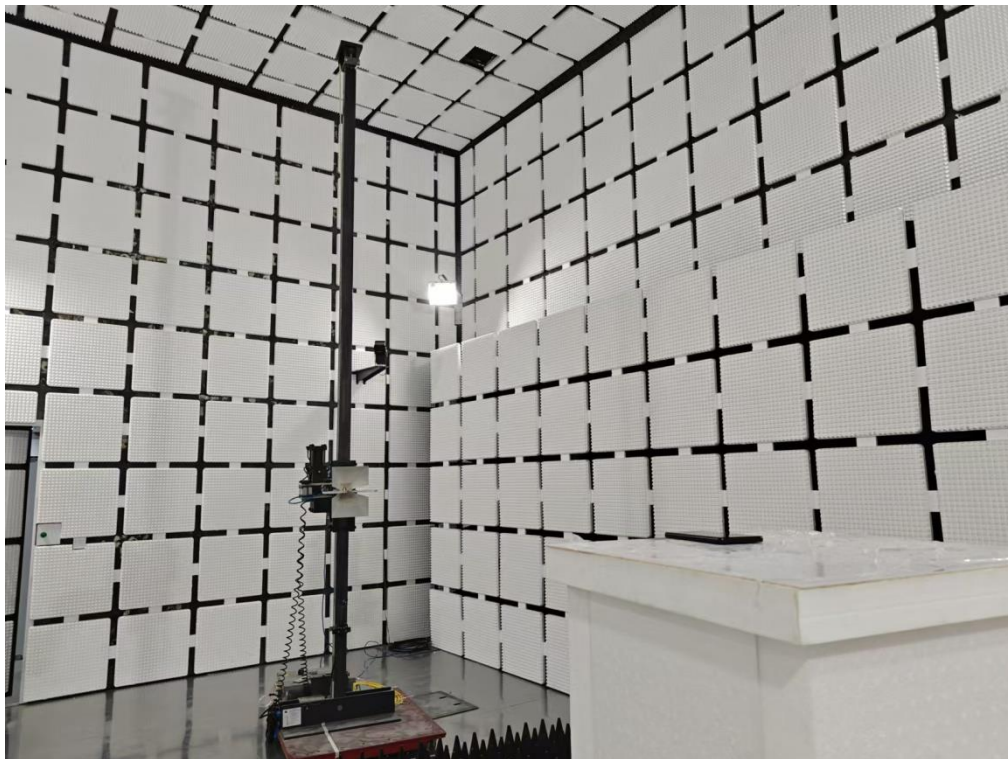
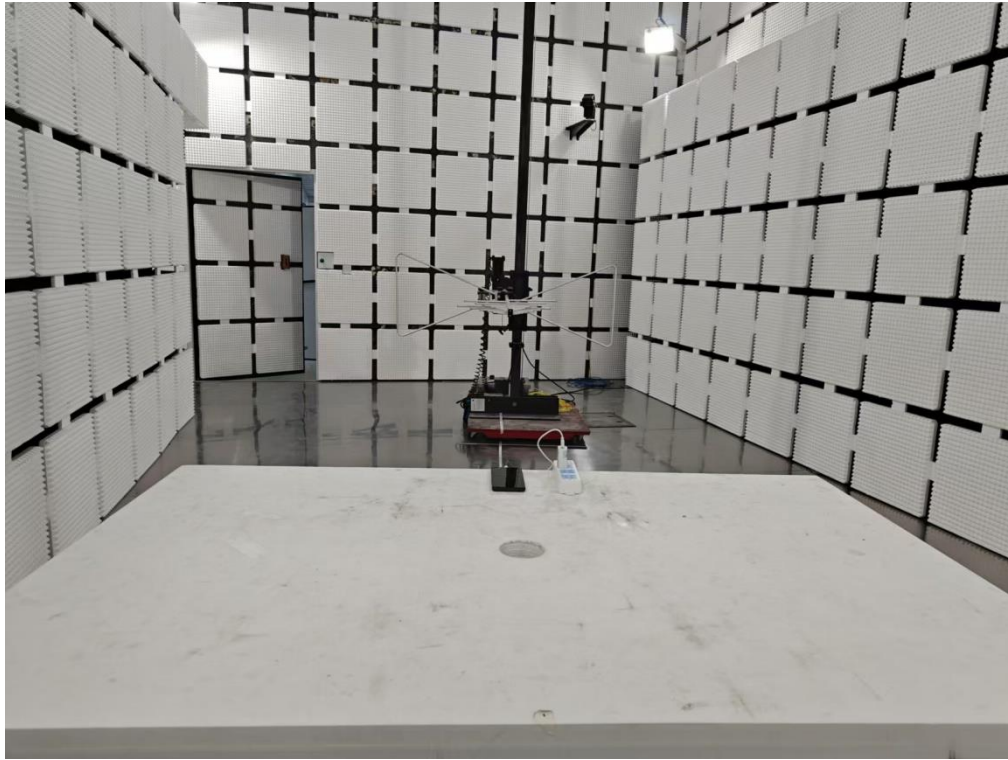
For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional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

12. TEST SETUP PHOTO

12.1. Photo of Radiated Emission test



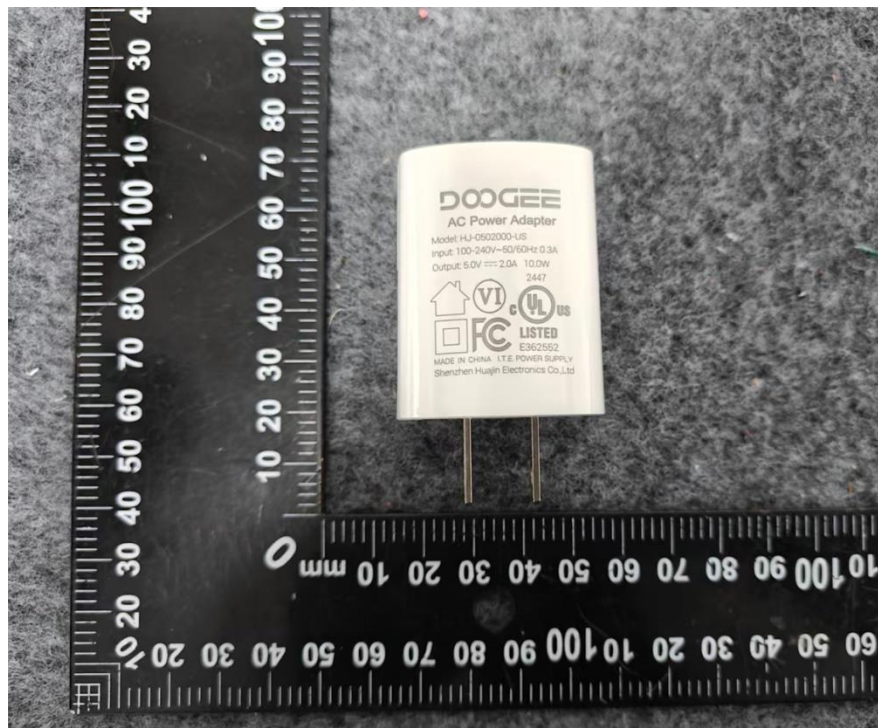
12.2.Photo of Conducted Emission test



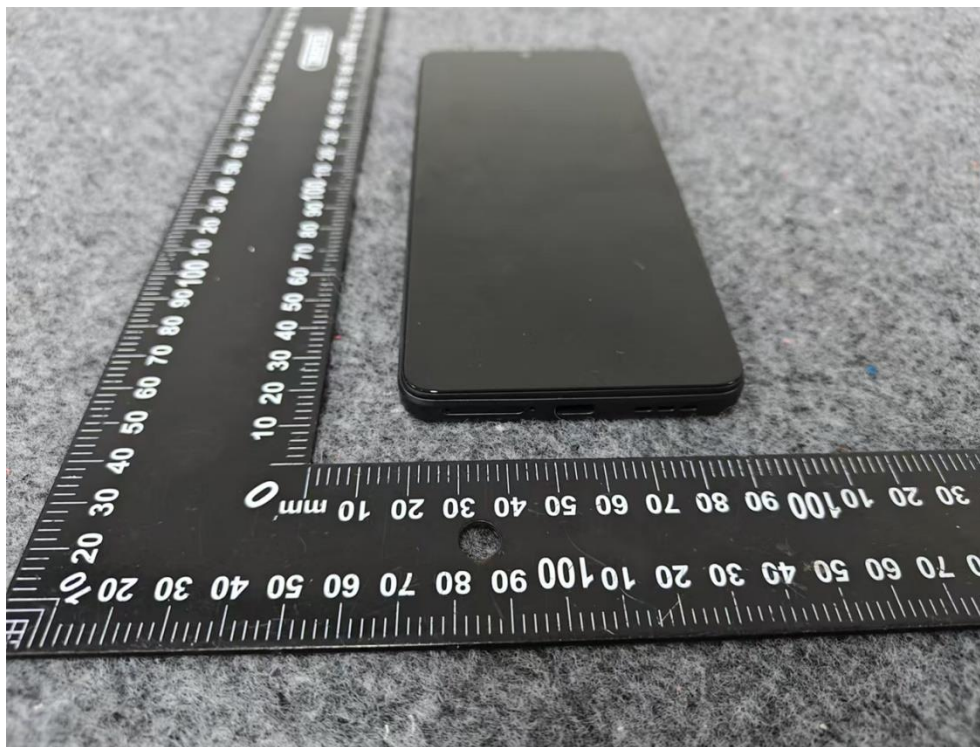
12.3.Conducted Test Photos



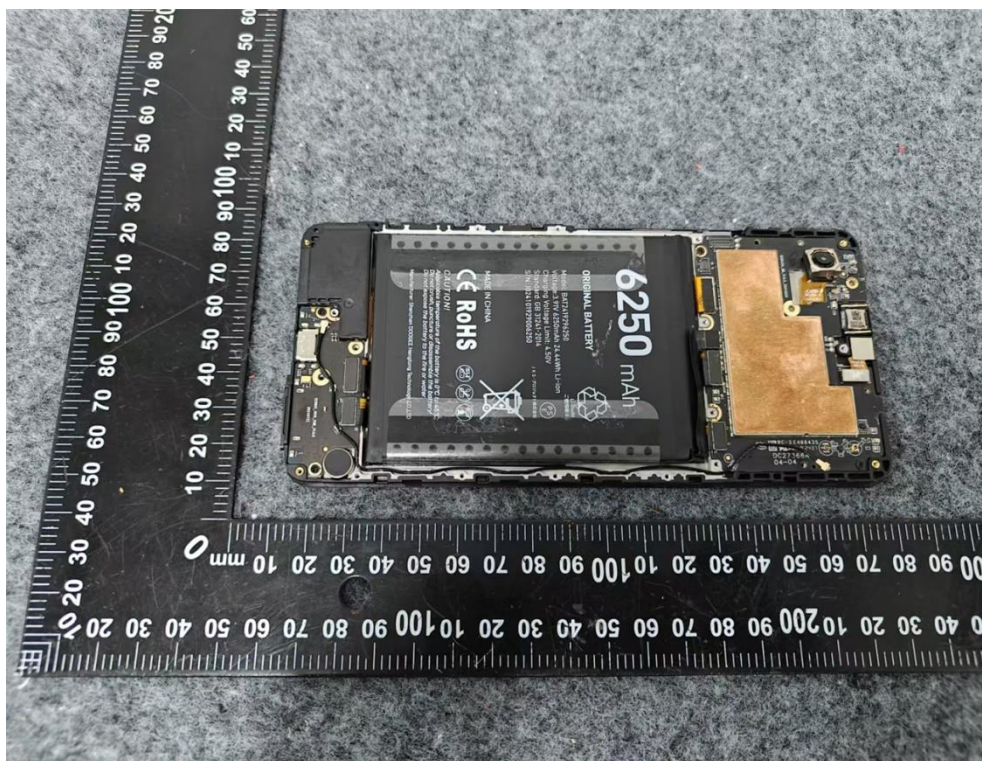
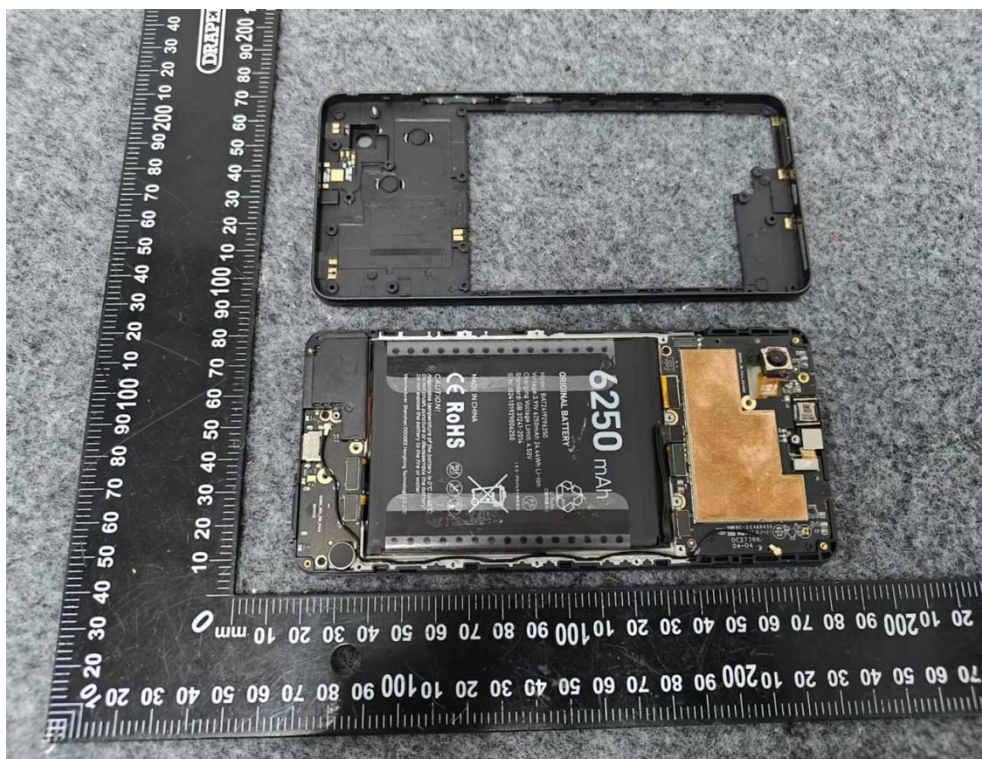
13. PHOTOS OF EUT

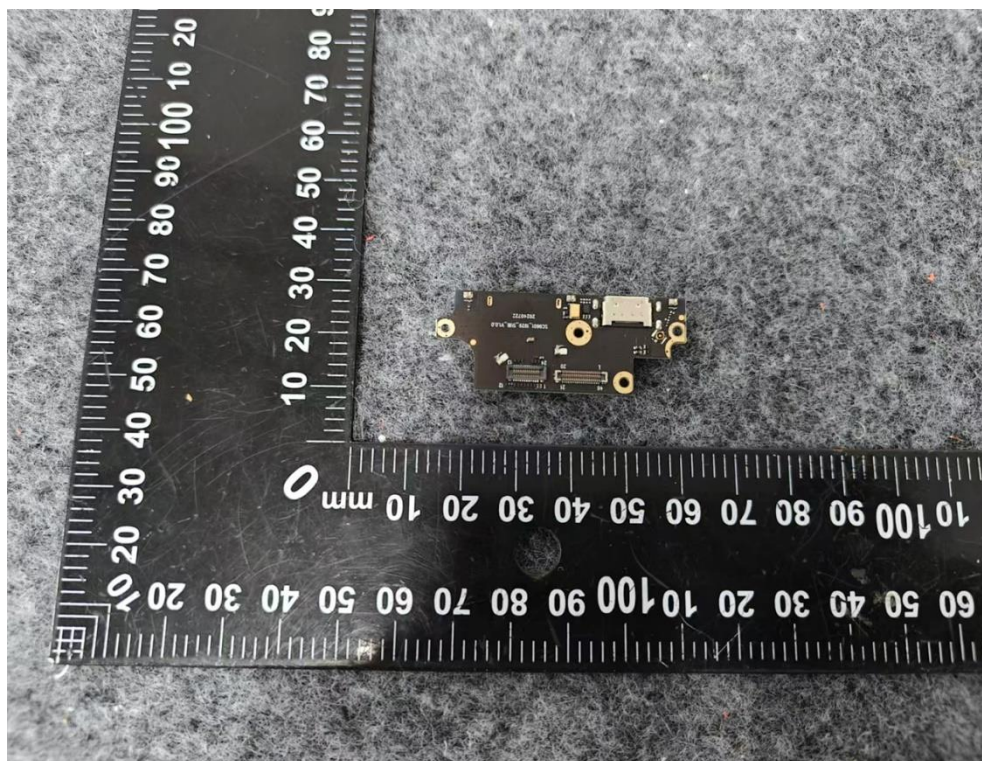
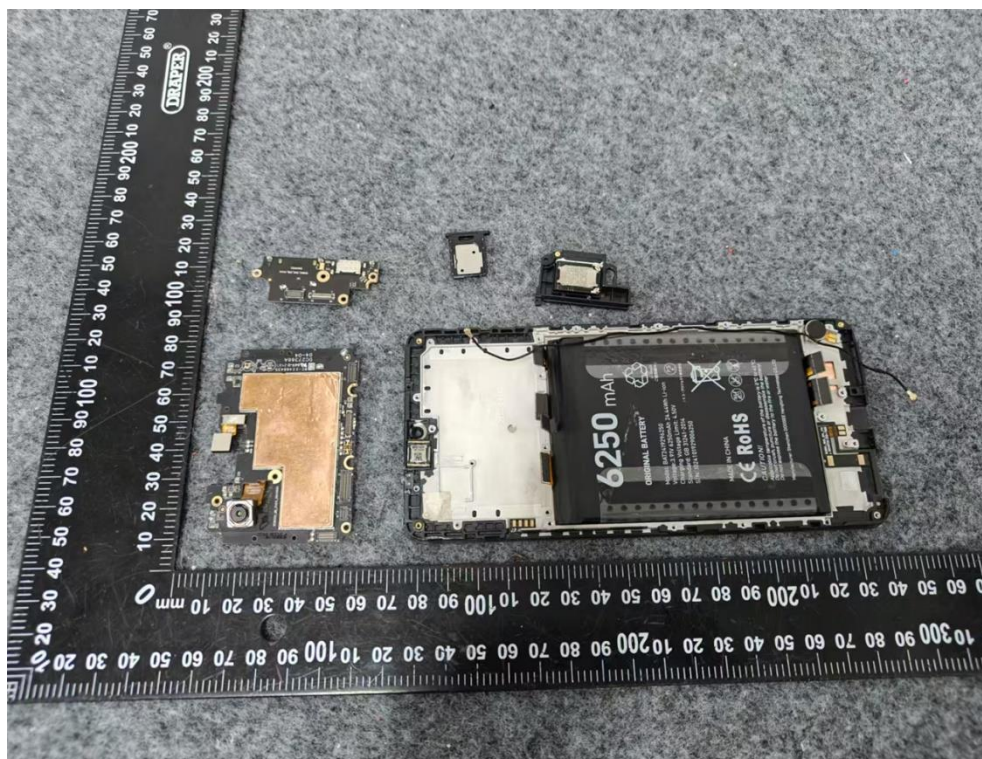


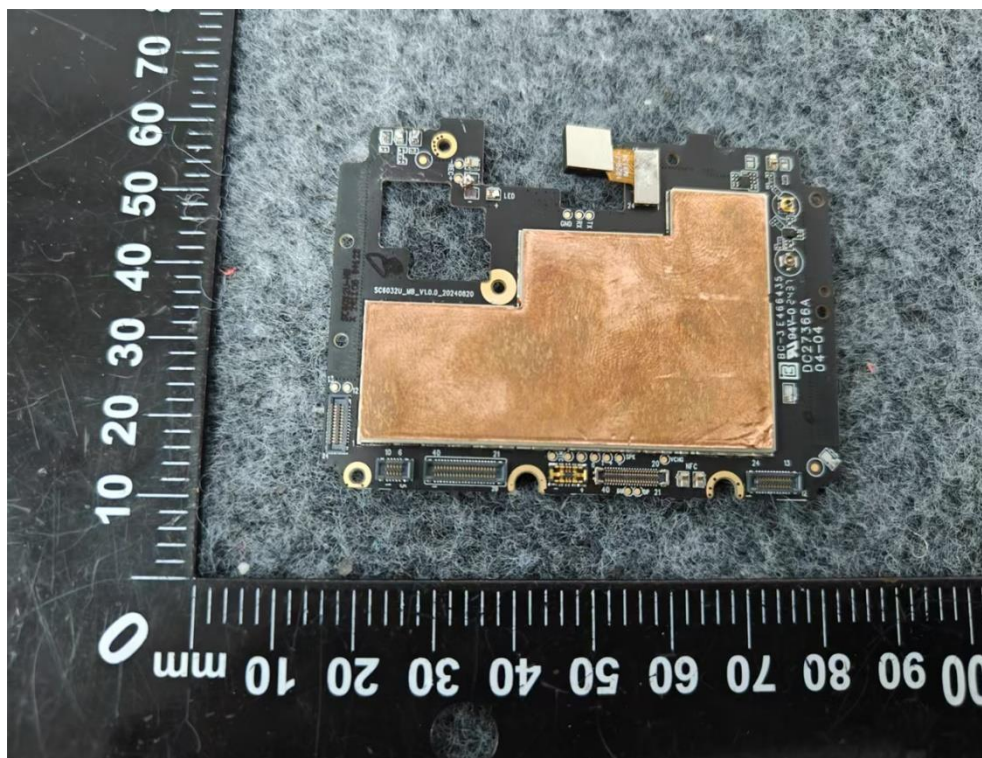
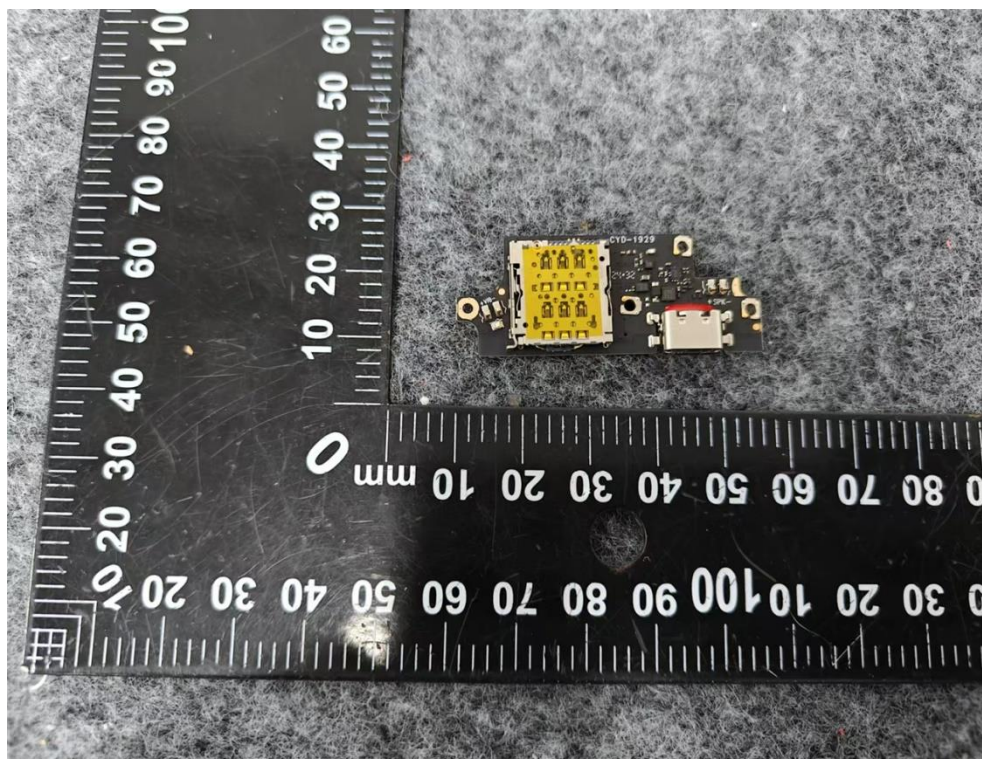


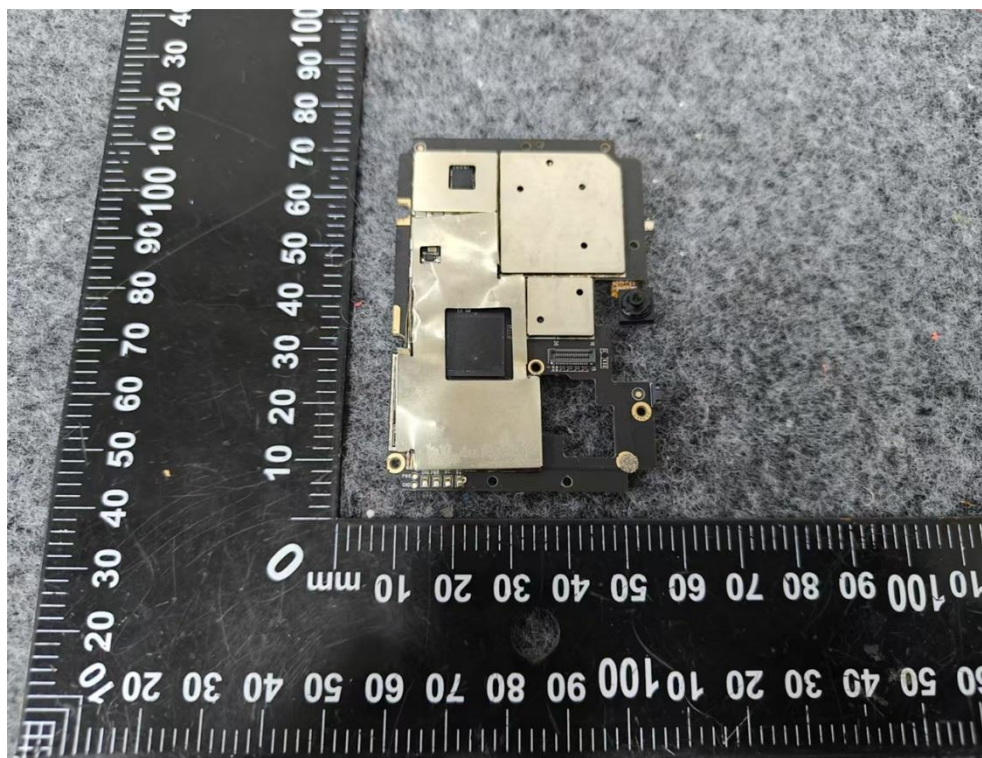
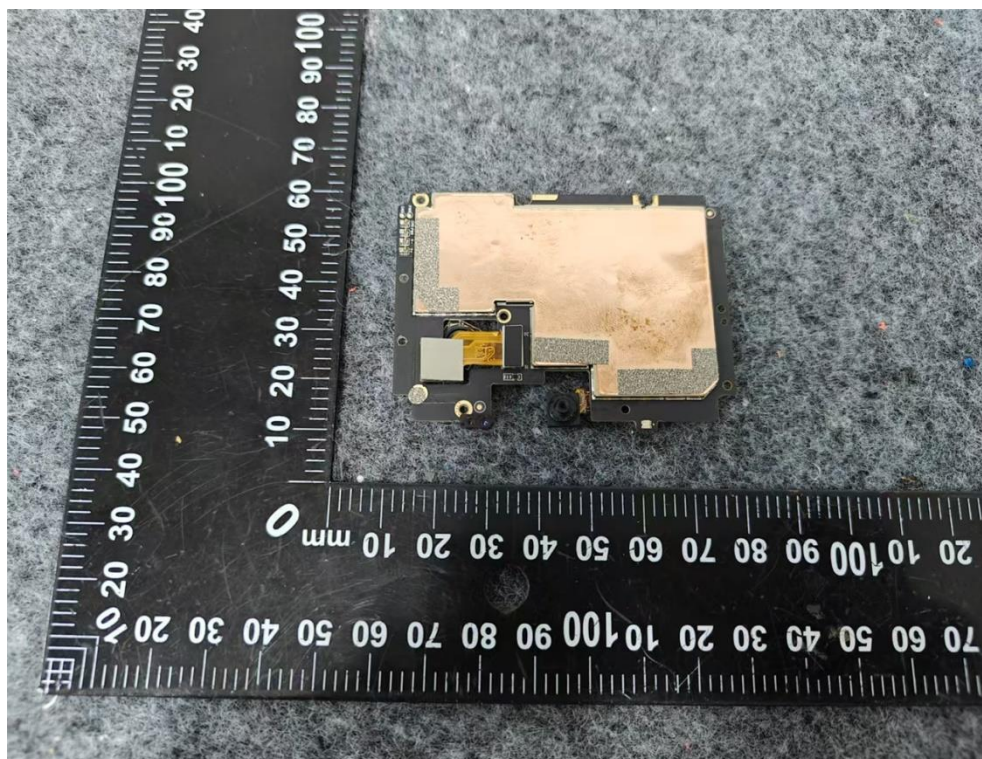


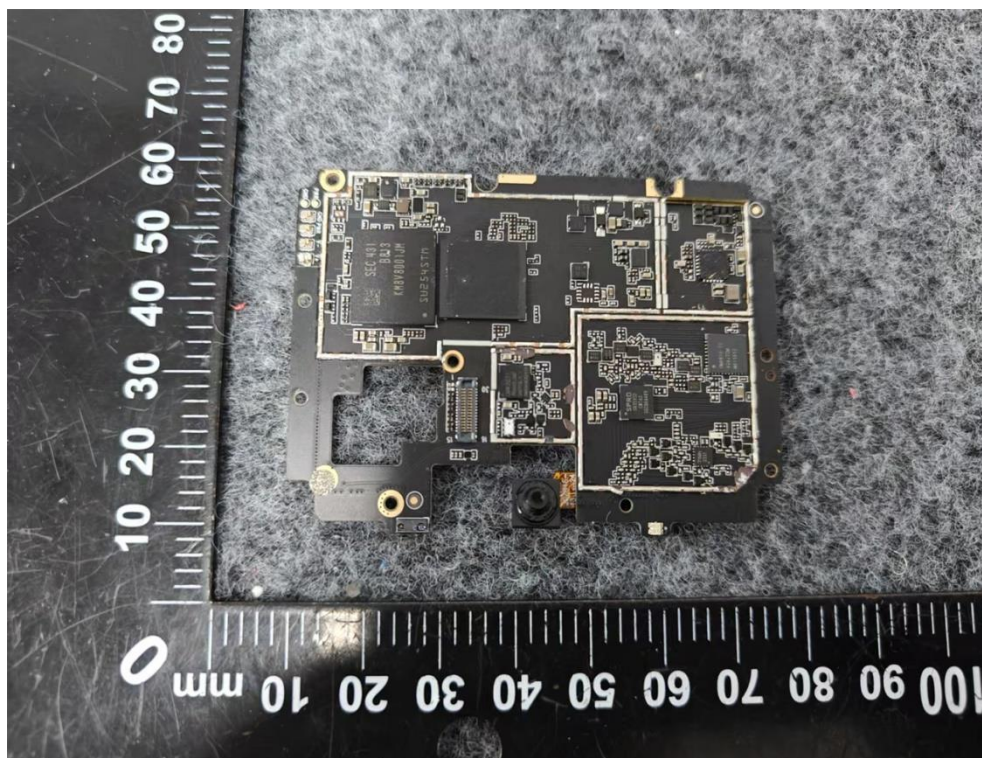
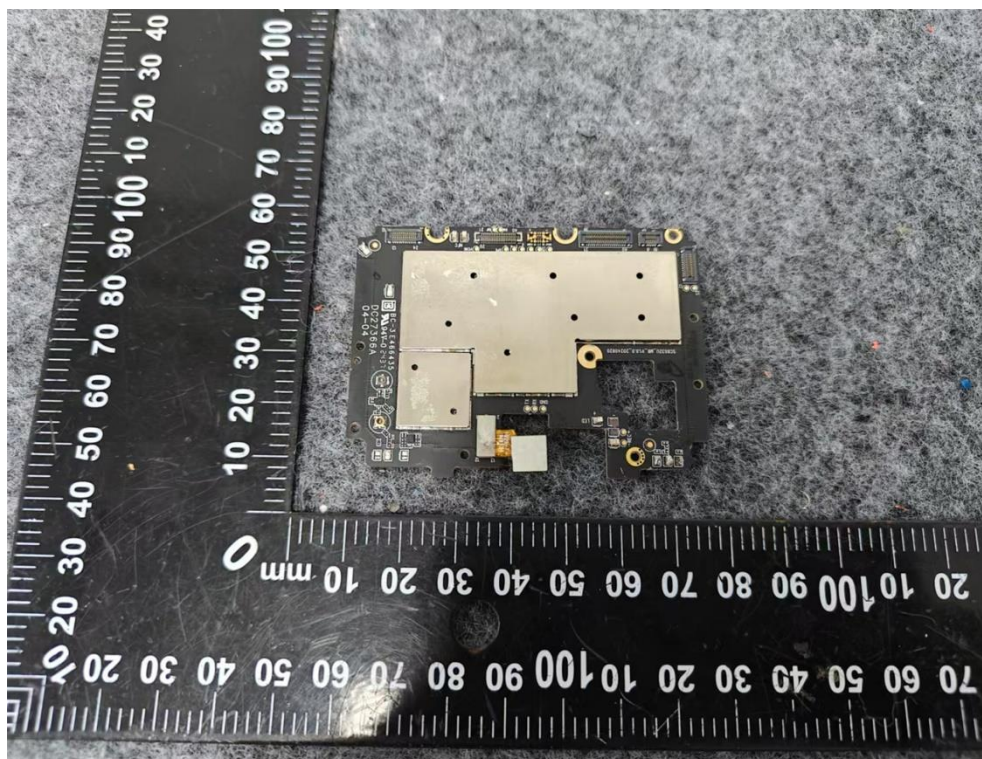


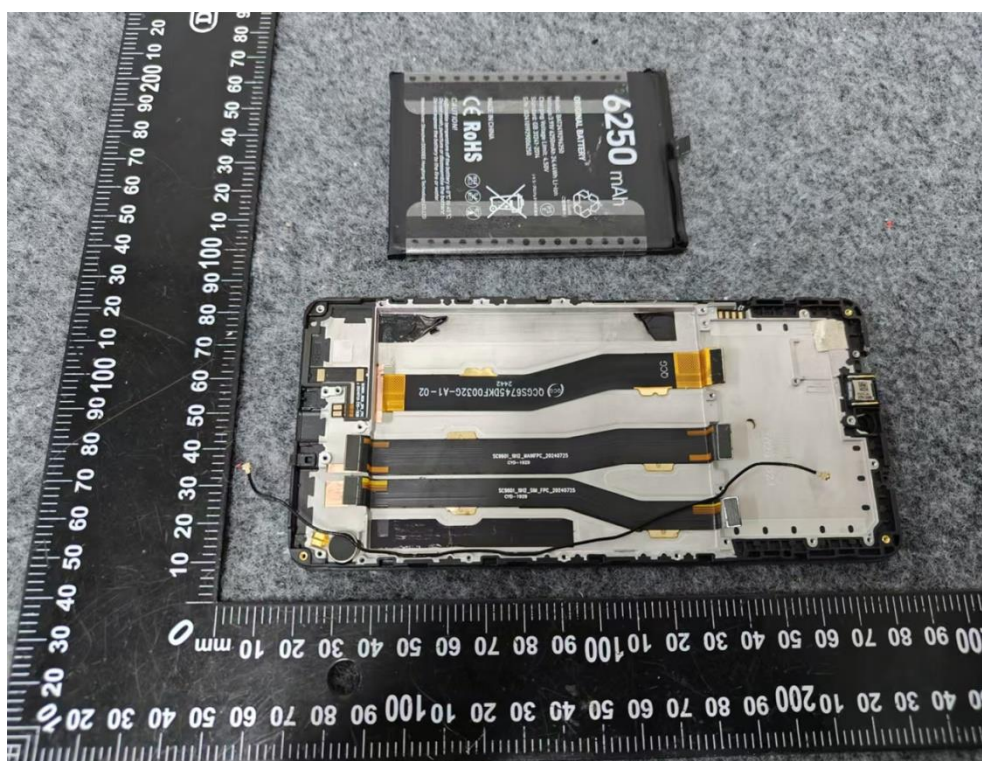
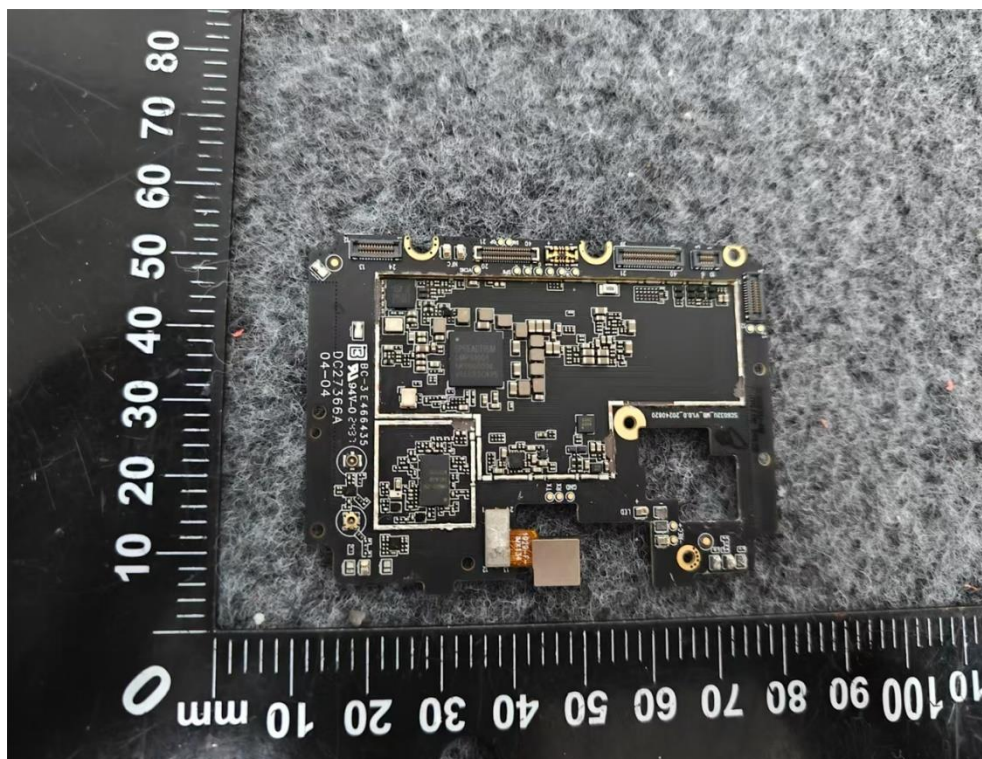














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