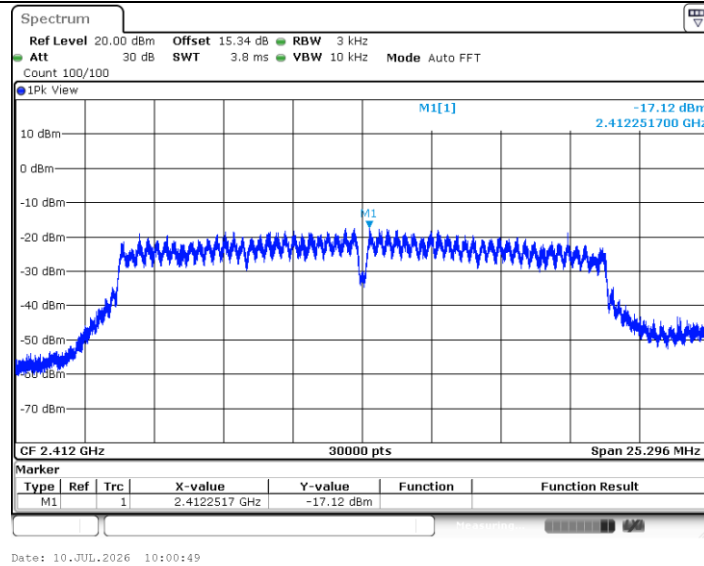
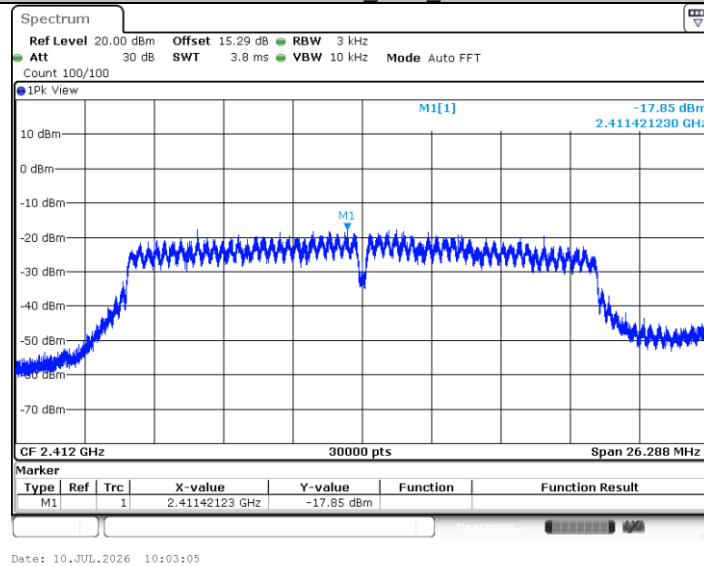
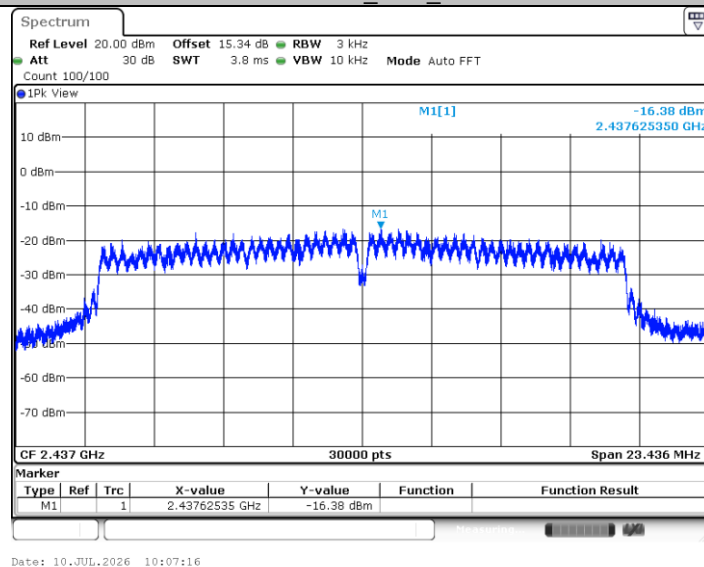




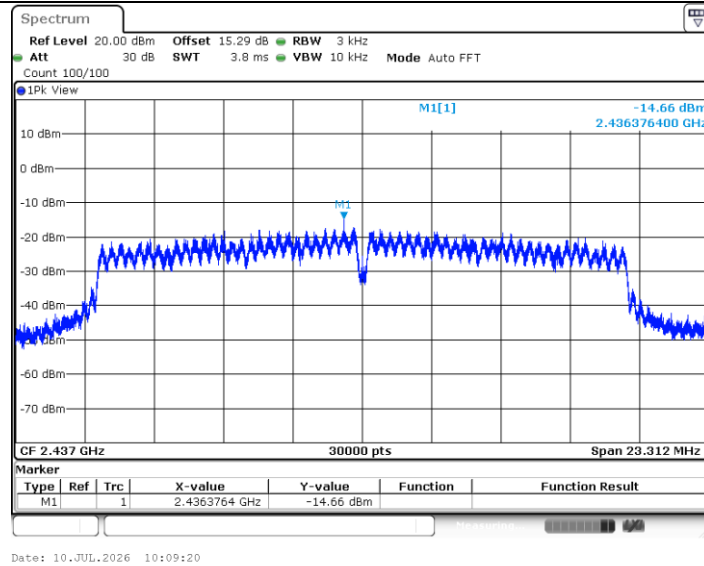
11N20MIMO_Ant2_2412



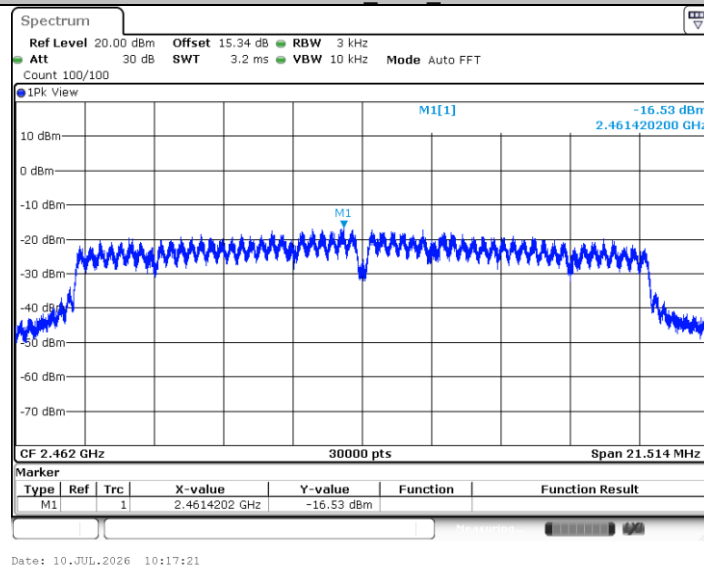
11N20MIMO_Ant1_2437



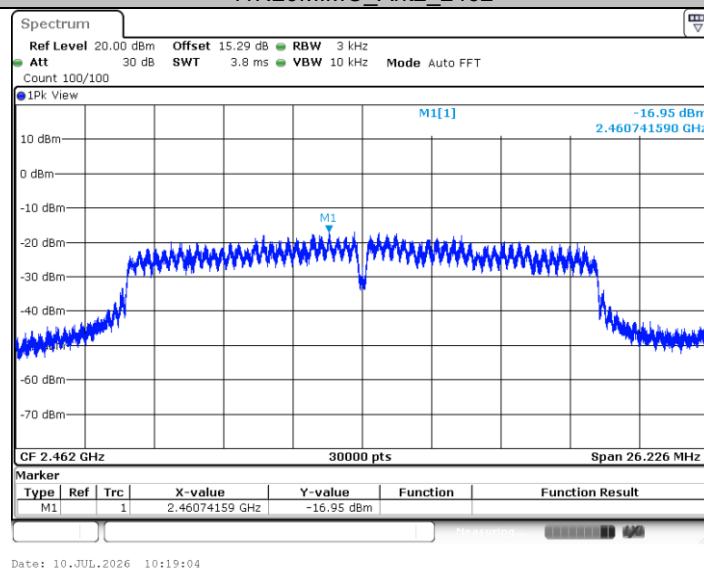
11N20MIMO_Ant2_2437



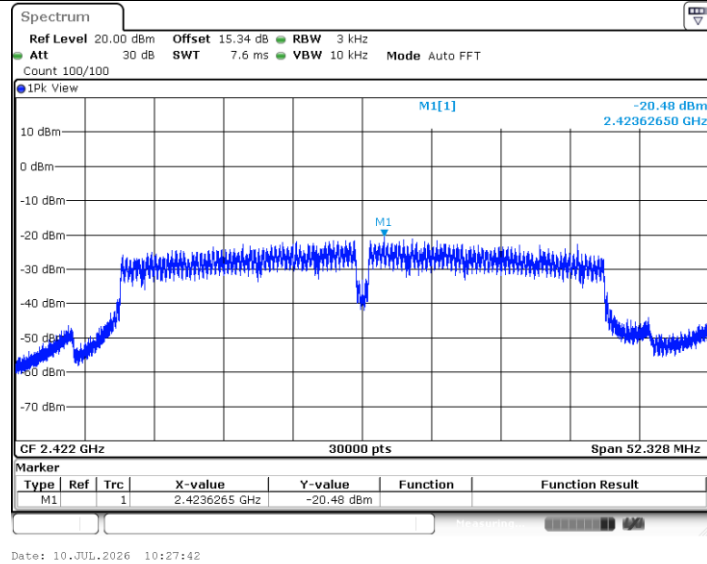
11N20MIMO_Ant1_2462



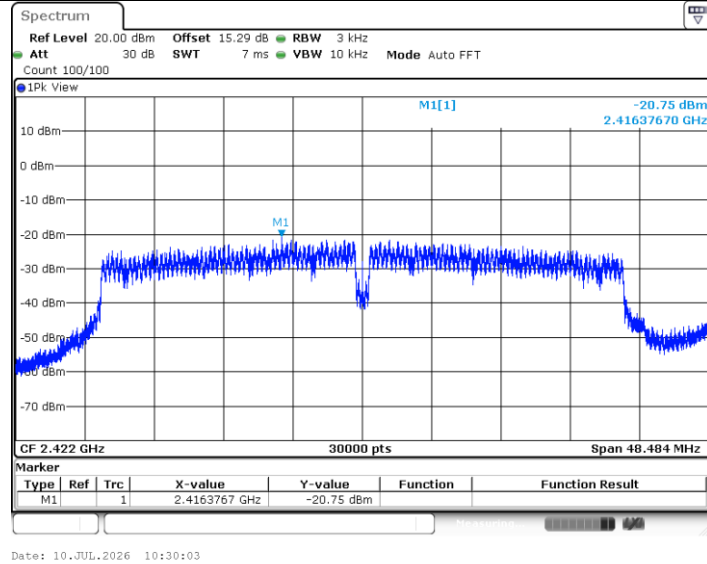
11N20MIMO_Ant2_2462



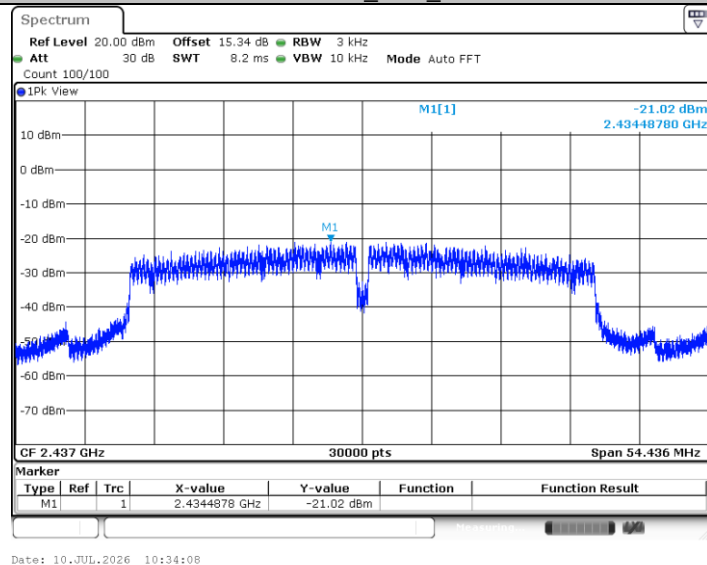
11N40MIMO_Ant1_2422



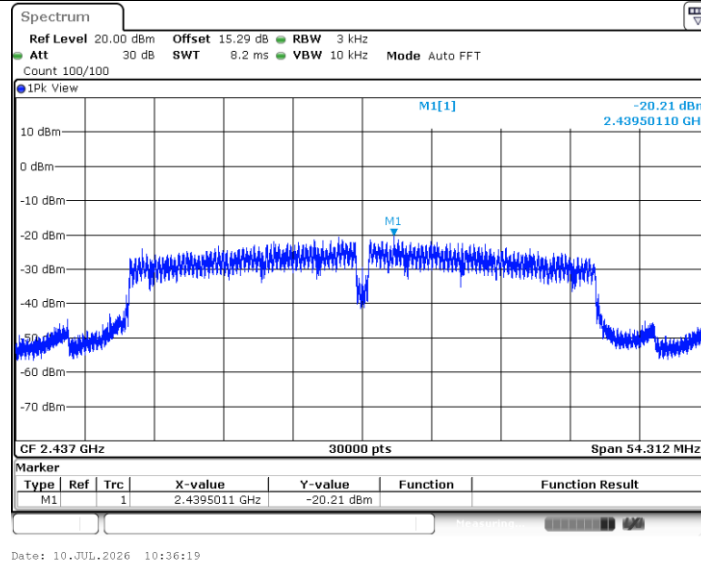
11N40MIMO_Ant2_2422



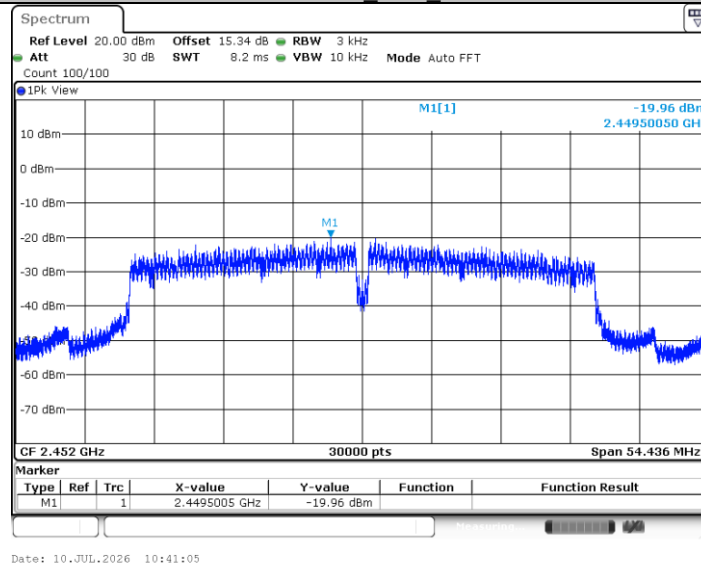
11N40MIMO_Ant1_2437



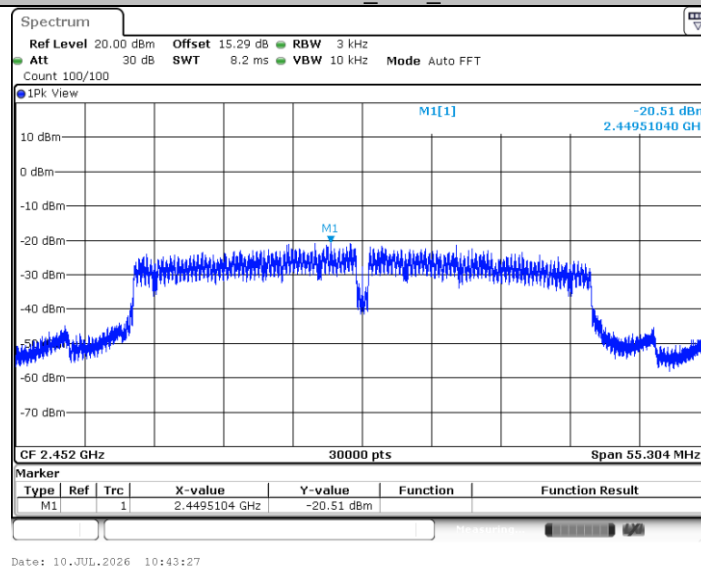
11N40MIMO_Ant2_2437



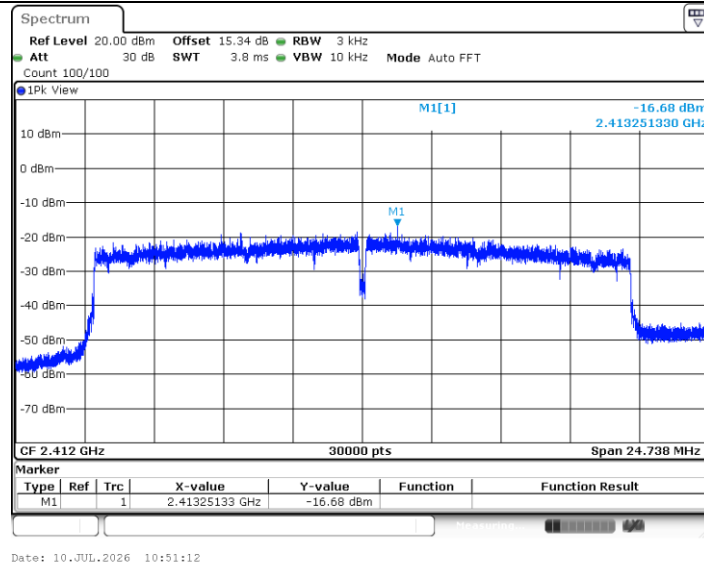
11N40MIMO_Ant1_2452



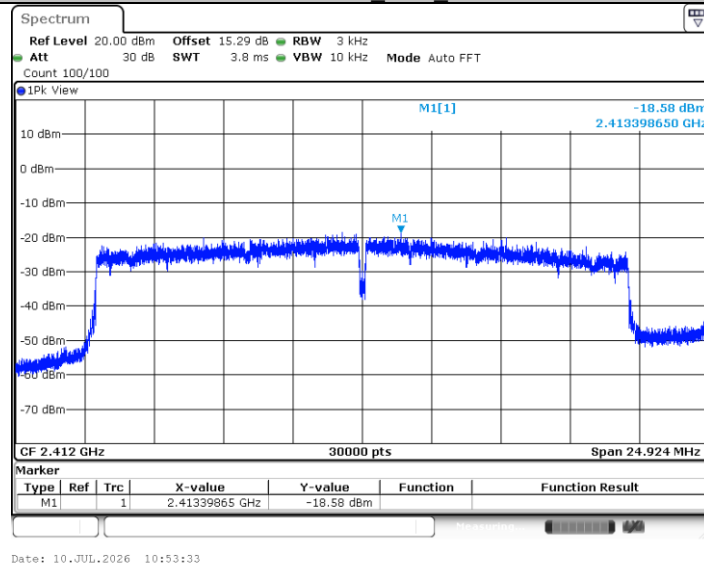
11N40MIMO_Ant2_2452



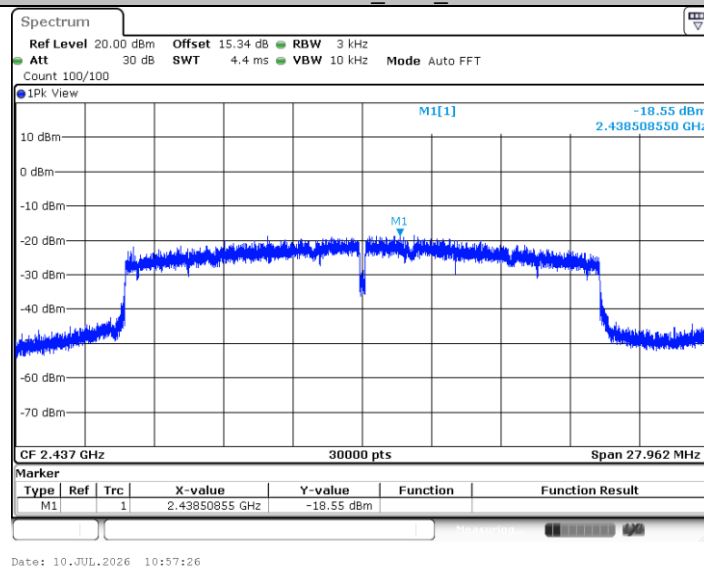
11AX20MIMO_Ant1_2412



11AX20MIMO_Ant2_2412



11AX20MIMO_Ant1_2437



11AX20MIMO_Ant2_2437

CTC Laboratories, Inc.

Room 107, 108, 207, 208 of Building A, Room 101 of Building B, No.7, Langqing 1st Road, Luhua Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China

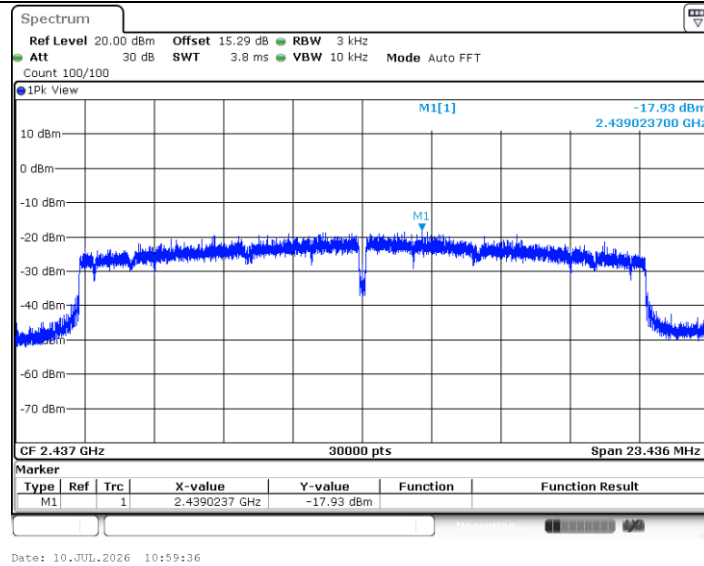
Tel.: (86)755-27521059

Fax: (86)755-27521011

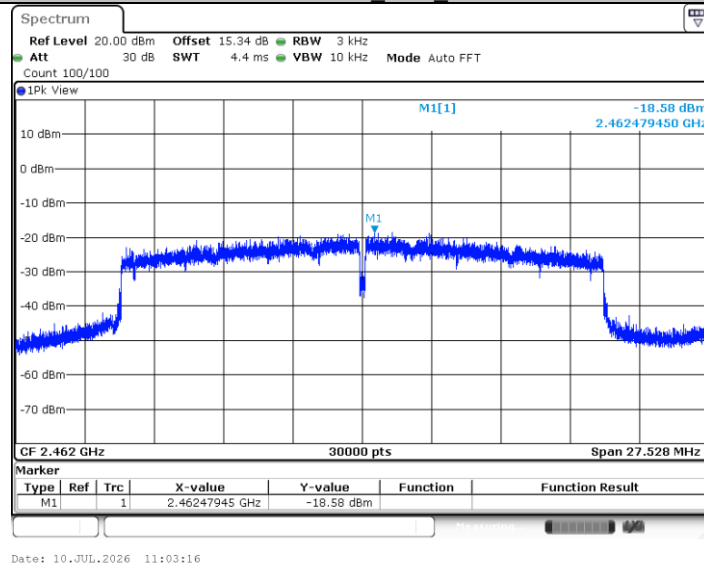
Http://www.sz-ctc.org.cn

TRF No:CTC-TR-057_A5

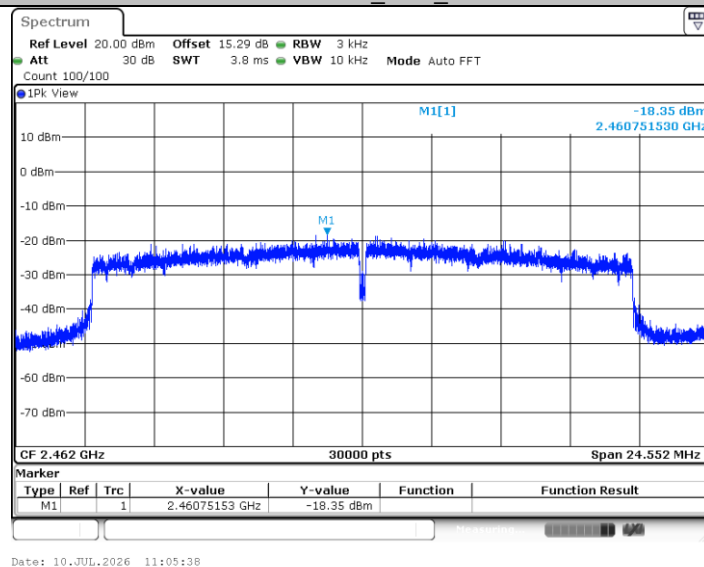
Master TRF:Dated 2026-06-01



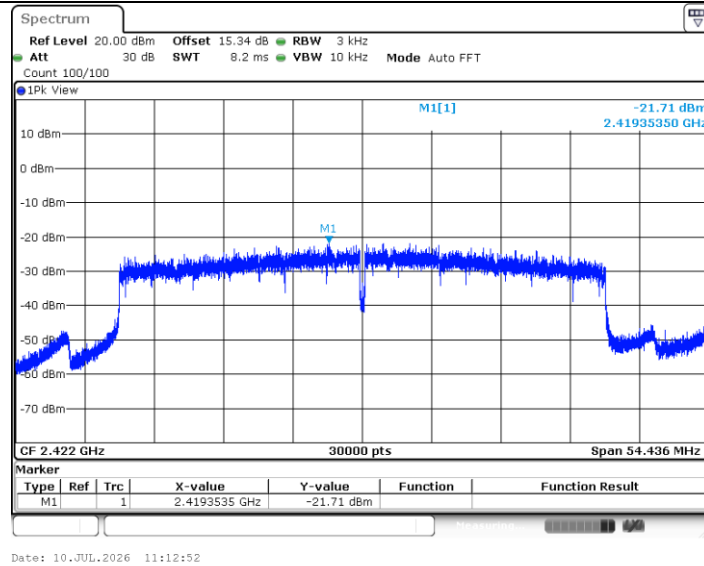
11AX20MIMO_Ant1_2462



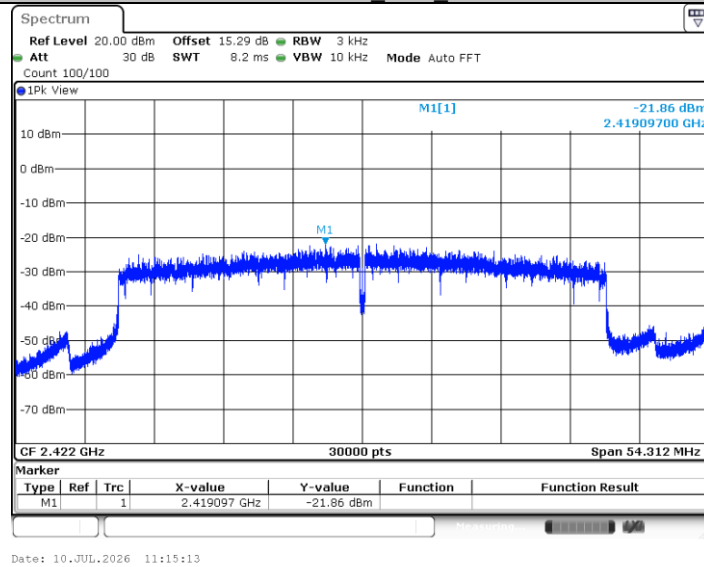
11AX20MIMO_Ant2_2462



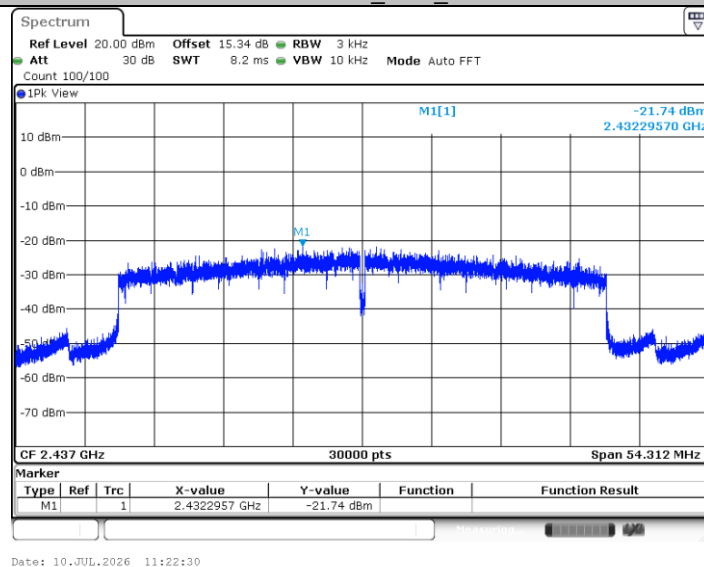
11AX40MIMO_Ant1_2422



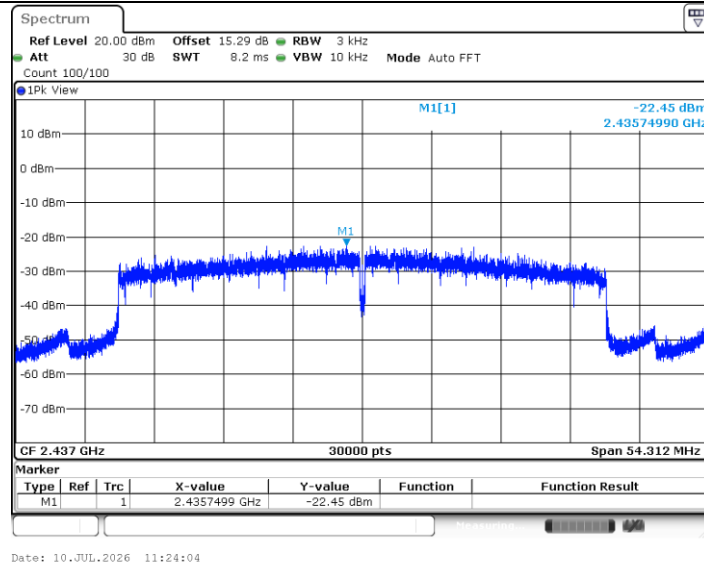
11AX40MIMO_Ant2_2422



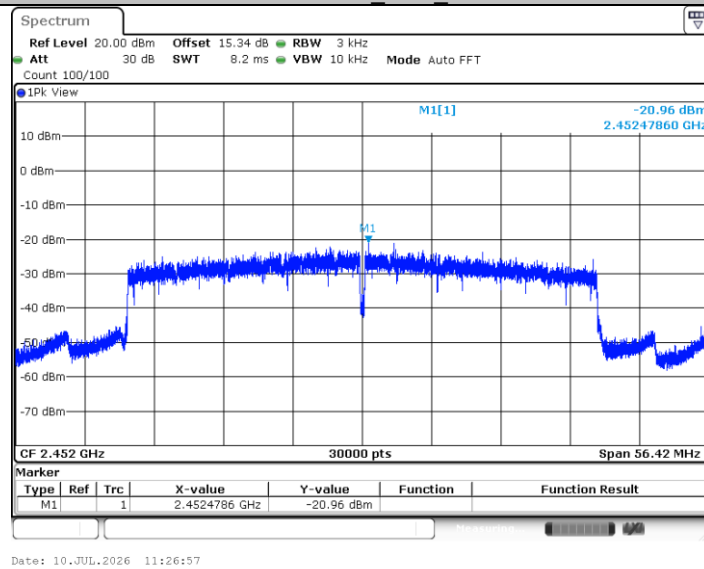
11AX40MIMO_Ant1_2437



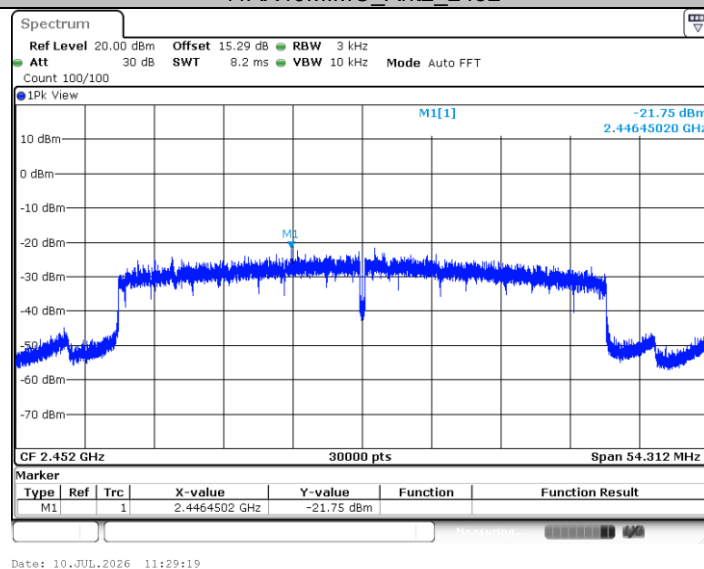
11AX40MIMO_Ant2_2437



11AX40MIMO_Ant1_2452



11AX40MIMO_Ant2_2452

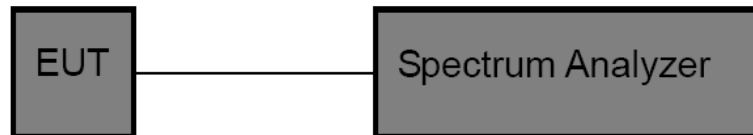


3.8. Duty Cycle

Limit

None, for report purposes only.

Test Configuration



Test Procedure

1. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
2. The EUT was directly connected to the Spectrum Analyzer and antenna output port as show in the block diagram above. The measurement according to section 10.2 of KDB 558074 D01 DTS Meas Guidance v05r02.
3. Spectrum Setting:
Set analyzer center frequency to test channel center frequency.
Set the span to 0Hz.
Set the RBW to 10MHz.
Set the VBW to 10MHz.
Detector: Peak.
Sweep time: Auto.
Allow trace to fully stabilize. Then use the peak marker function to determine the maximum amplitude level.

Test Mode

Please refer to the clause 2.4.

Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T Minimum VBW (kHz)	Final Setting for VBW (kHz)
11B	Ant1	2412	8.43	8.49	99.29	0.12	1
	Ant2	2412	8.43	8.48	99.41	0.12	1
	Ant1	2437	8.43	8.49	99.29	0.12	1
	Ant2	2437	8.43	8.49	99.29	0.12	1
	Ant1	2462	8.42	8.48	99.29	0.12	1
	Ant2	2462	8.43	8.49	99.29	0.12	1
11G	Ant1	2412	1.39	1.45	95.86	0.72	1
	Ant2	2412	1.39	1.45	95.86	0.72	1
	Ant1	2437	1.39	1.45	95.86	0.72	1
	Ant2	2437	1.39	1.45	95.86	0.72	1
	Ant1	2462	1.39	1.45	95.86	0.72	1
	Ant2	2462	1.39	1.45	95.86	0.72	1
11N20MIMO	Ant1	2412	1.30	1.36	95.59	0.77	1
	Ant2	2412	1.30	1.36	95.59	0.77	1
	Ant1	2437	1.30	1.36	95.59	0.77	1
	Ant2	2437	1.30	1.36	95.59	0.77	1
	Ant1	2462	1.30	1.36	95.59	0.77	1
	Ant2	2462	1.30	1.36	95.59	0.77	1
11N40MIMO	Ant1	2422	0.64	0.70	91.43	1.56	2
	Ant2	2422	0.64	0.70	91.43	1.56	2
	Ant1	2437	0.64	0.70	91.43	1.56	2
	Ant2	2437	0.64	0.70	91.43	1.56	2
	Ant1	2452	0.64	0.70	91.43	1.56	2
	Ant2	2452	0.64	0.70	91.43	1.56	2
11AX20MIMO	Ant1	2412	0.56	0.62	90.32	1.79	2
	Ant2	2412	0.56	0.62	90.32	1.79	2
	Ant1	2437	0.56	0.62	90.32	1.79	2
	Ant2	2437	0.56	0.62	90.32	1.79	2
	Ant1	2462	0.56	0.62	90.32	1.79	2
	Ant2	2462	0.56	0.62	90.32	1.79	2
11AX40MIMO	Ant1	2422	0.32	0.38	84.21	3.13	4
	Ant2	2422	0.32	0.38	84.21	3.13	4
	Ant1	2437	0.32	0.38	84.21	3.13	4
	Ant2	2437	0.32	0.38	84.21	3.13	4
	Ant1	2452	0.32	0.38	84.21	3.13	4
	Ant2	2452	0.32	0.38	84.21	3.13	4

3.9. Antenna Requirement

Requirement

FCC CFR Title 47 Part 15 Subpart C 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. The use of a permanently attached antenna or of antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

FCC CFR Title 47 Part 15 Subpart C Section 15.247(c) (1)(i)

(i) Systems operating in the 2400~2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

Test Result

Pass.

The transmitter employs an integral CPE Aluminum Plate Antenna installed inside the host device. The antenna is permanently attached and cannot be readily replaced by the end user. No standard antenna connector is provided. Therefore, the antenna configuration complies with the requirements of FCC §15.203.

The directional gain of the antenna is greater than 6dBi, please refer to the EUT internal photographs antenna photo.

*****THE END OF REPORT*****