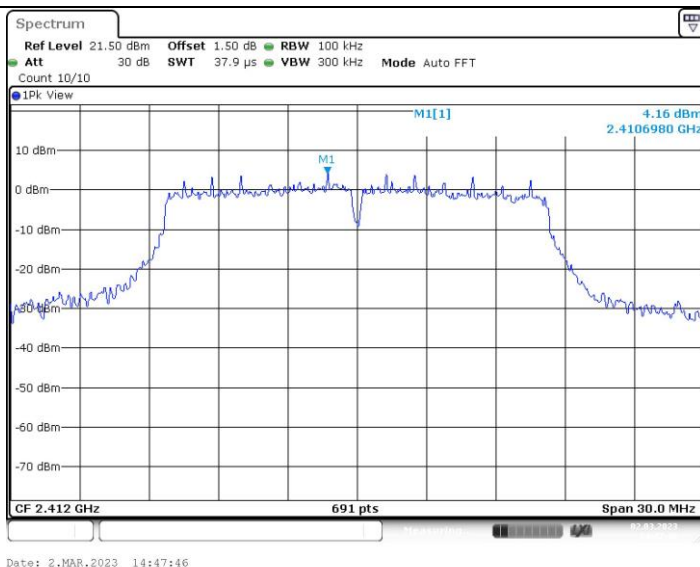
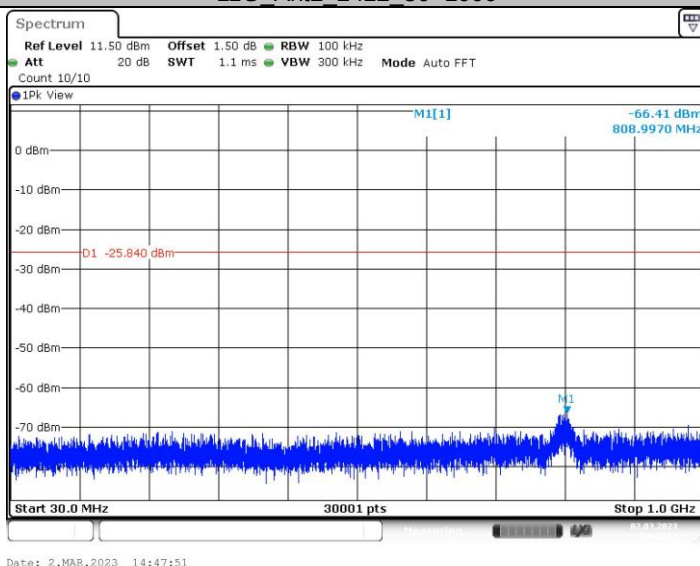
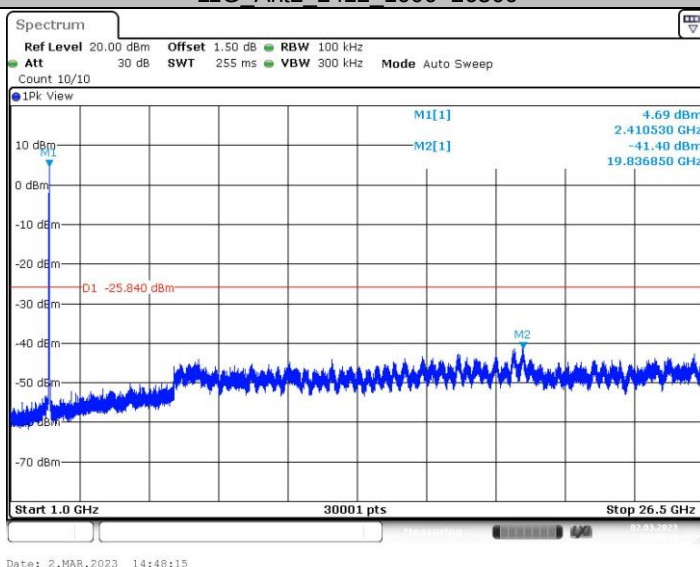




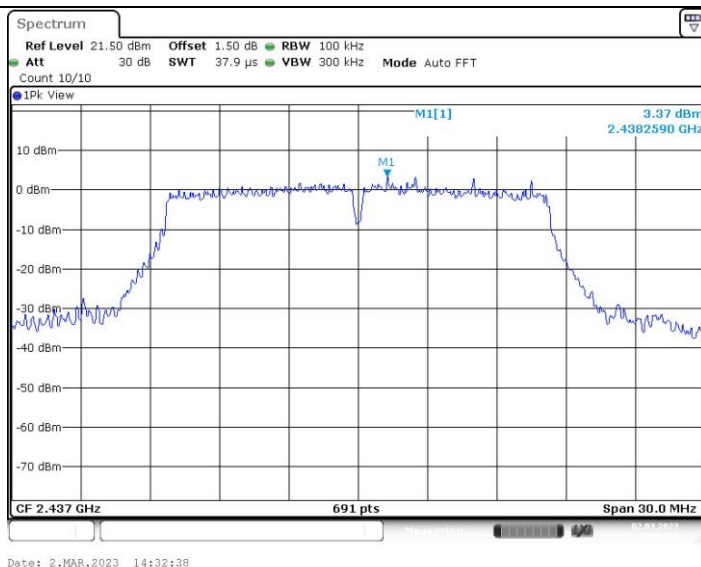
11G_Ant2_2412_30~1000



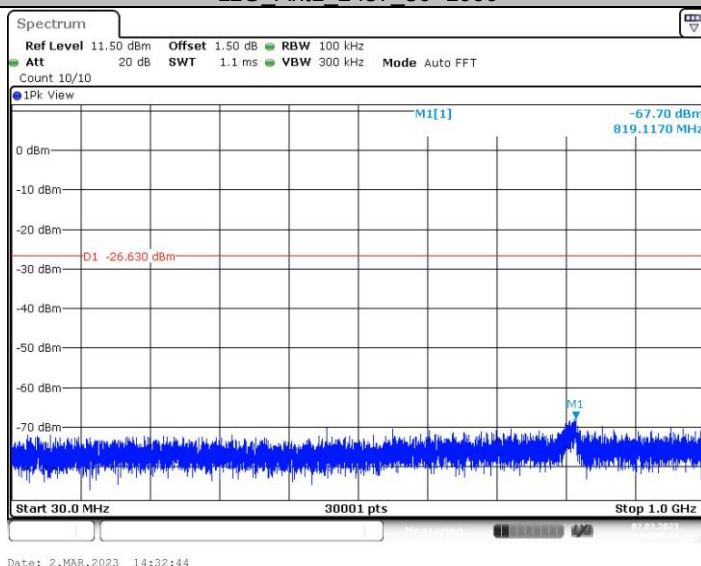
11G_Ant2_2412_1000~26500



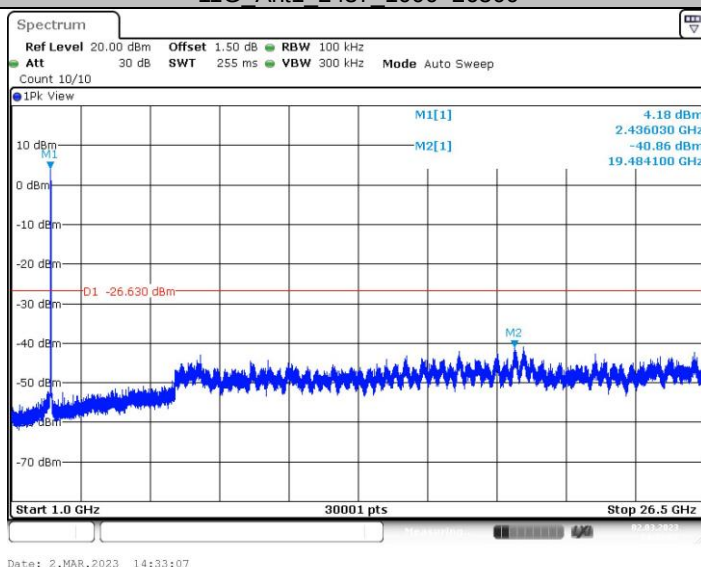
11G_Ant1_2437_0~Reference



11G Ant1 2437 30-1000



11G Ant1 2437 1000-26500



11G Ant2 2437 0-Reference

CTC Laboratories, Inc.

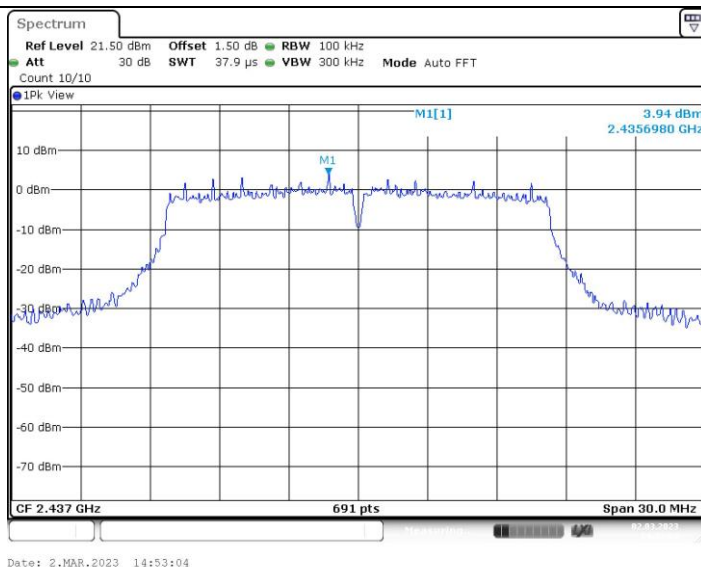
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

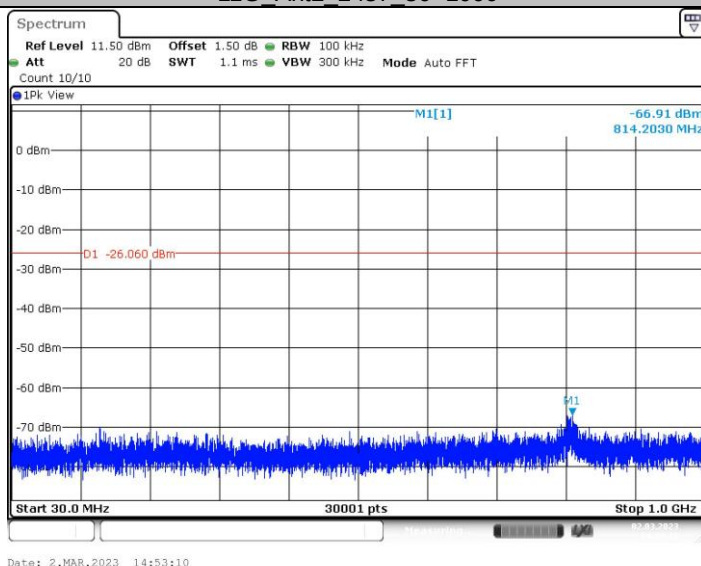
Fax: (86)755-27521011

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

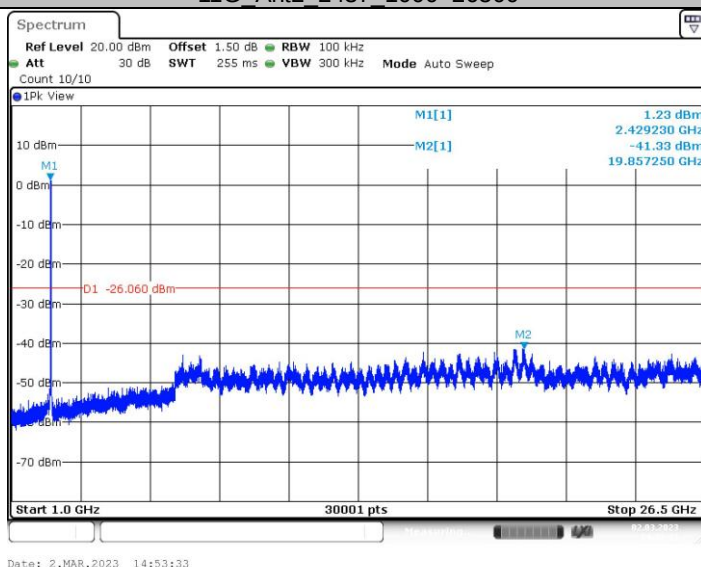
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



11G_Ant2_2437_30~1000



11G_Ant2_2437_1000~26500



11G_Ant1_2462_0~Reference

CTC Laboratories, Inc.

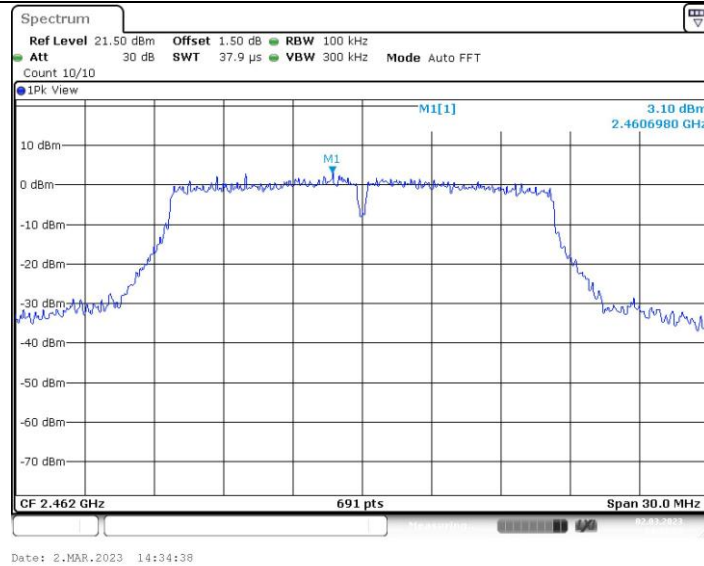
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Tel.: (86)755-27521059

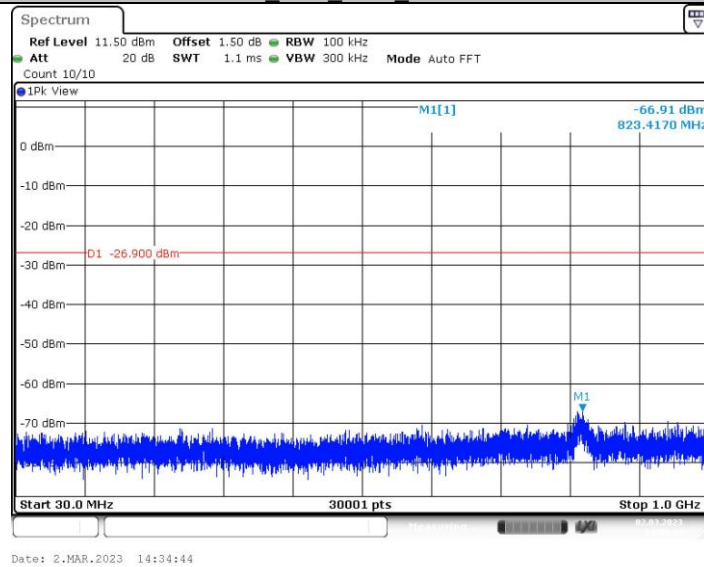
Fax: (86)755-27521011

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

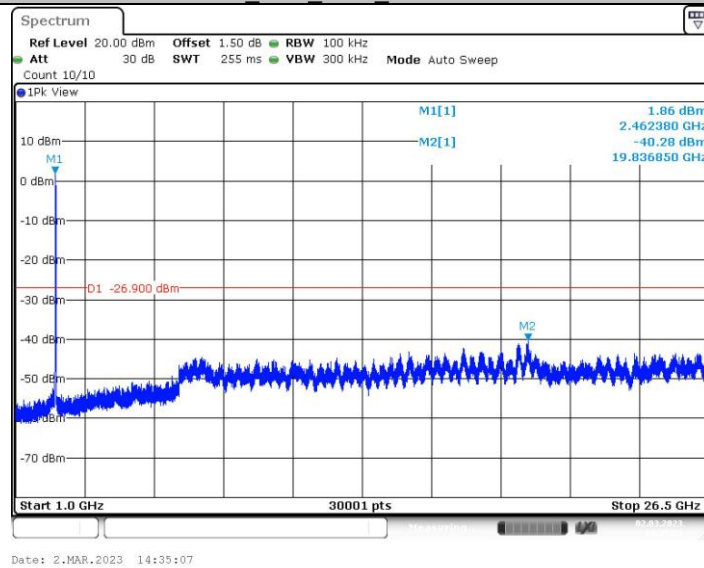
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



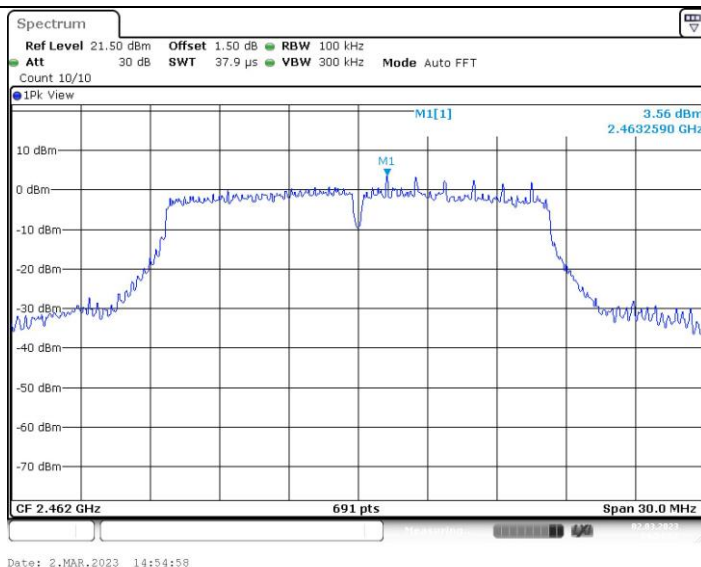
11G_Ant1_2462_30~1000



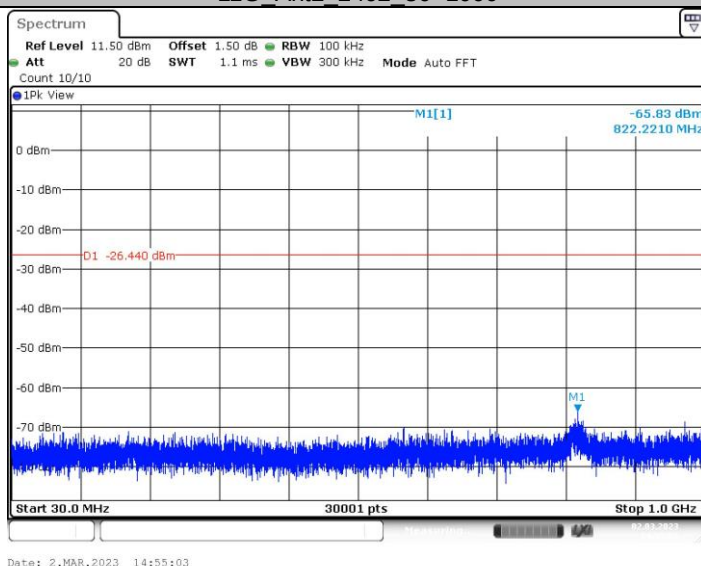
11G_Ant1_2462_1000~26500



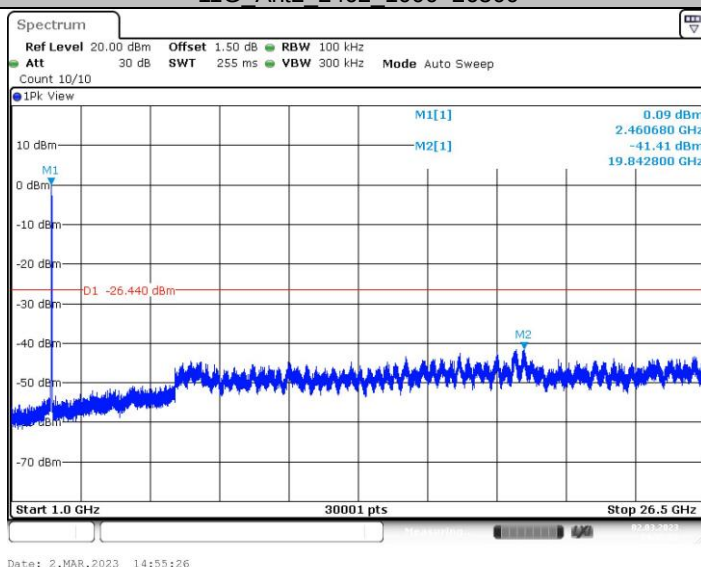
11G_Ant2_2462_0~Reference



11G_Ant2_2462_30-1000



11G_Ant2_2462_1000-26500



11N20MIMO_Ant1_2412_0-Reference

CTC Laboratories, Inc.

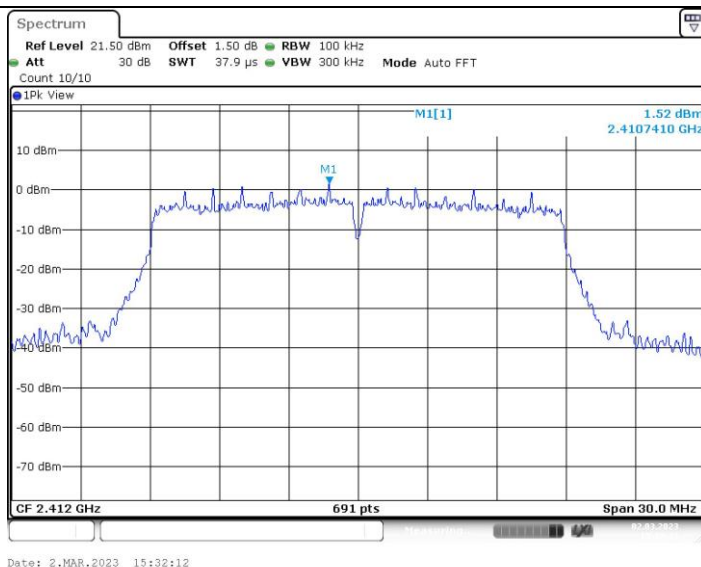
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

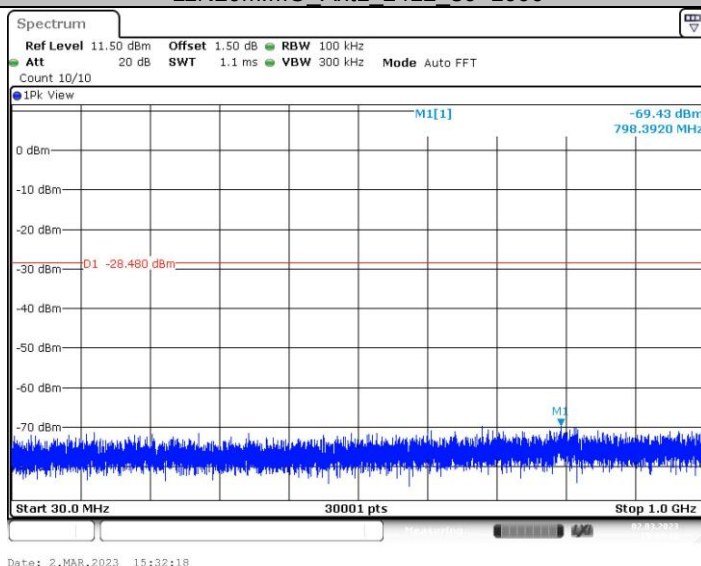
Fax: (86)755-27521011

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

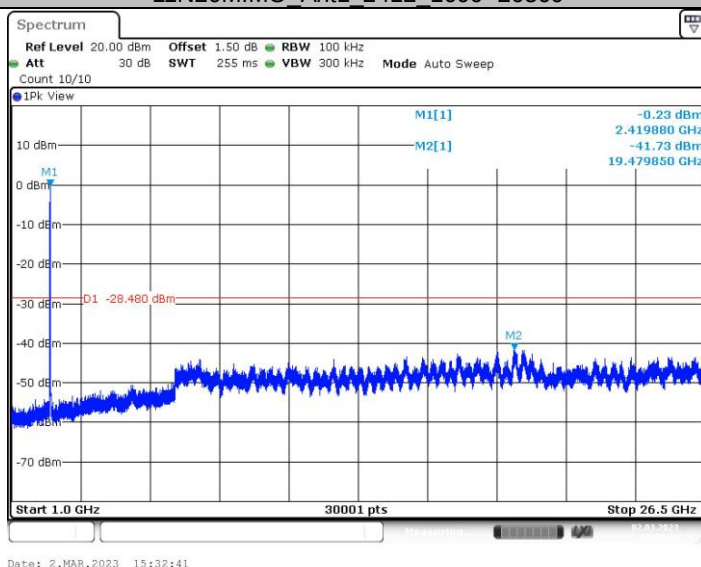
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



11N20MIMO_Ant1_2412_30-1000



11N20MIMO_Ant1_2412_1000-26500



11N20MIMO_Ant2_2412_0-Reference

CTC Laboratories, Inc.

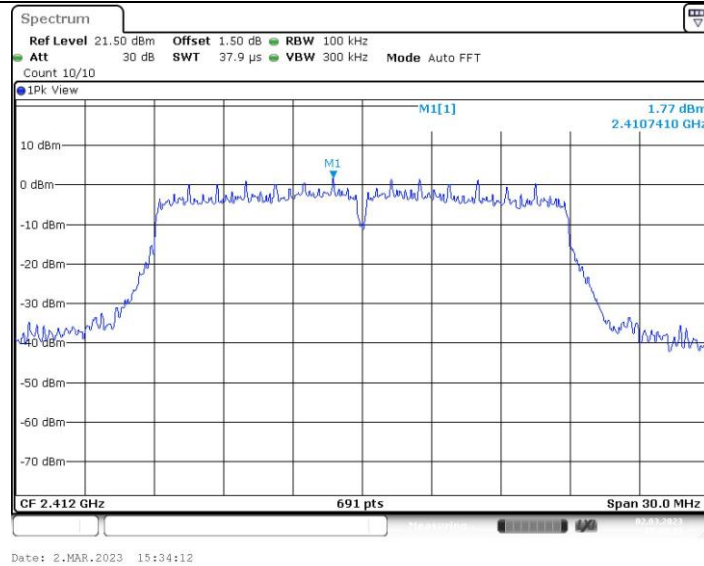
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

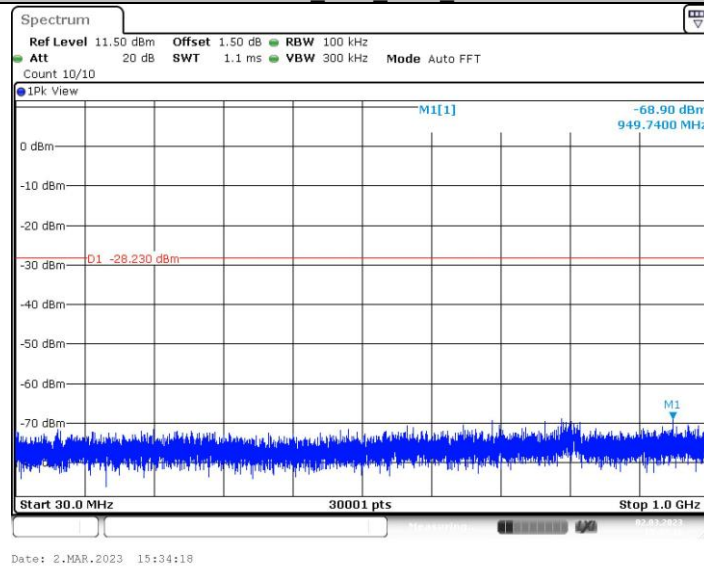
Fax: (86)755-27521011

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

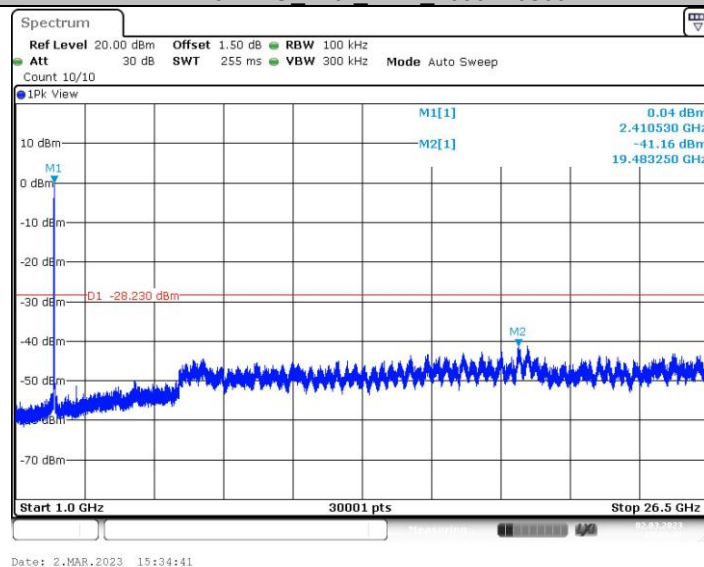
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



11N20MIMO_Ant2_2412_30-1000



11N20MIMO_Ant2_2412_1000-26500



11N20MIMO_Ant1_2437_0-Reference

CTC Laboratories, Inc.

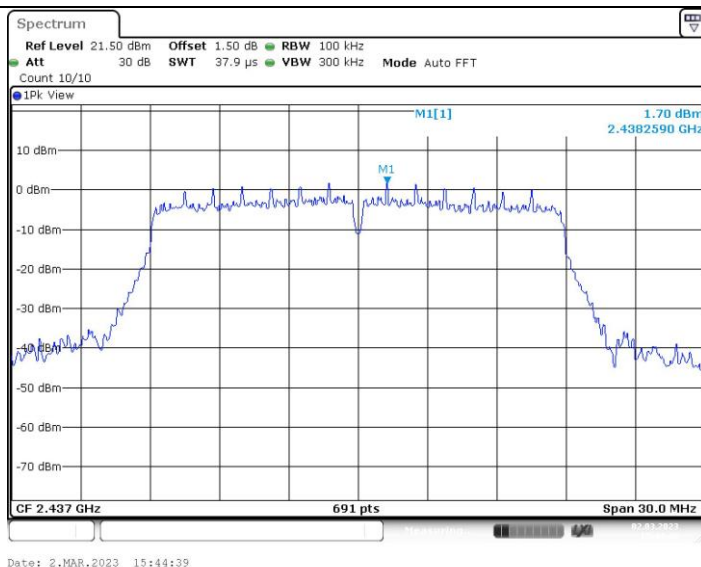
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

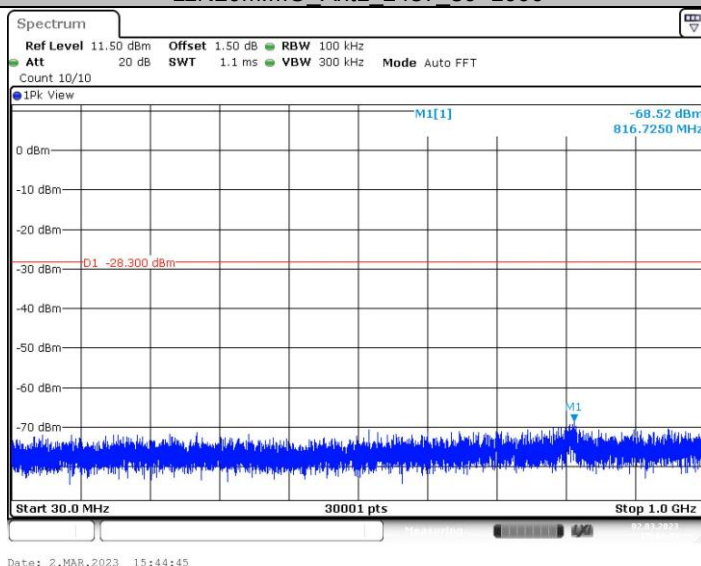
Fax: (86)755-27521011

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

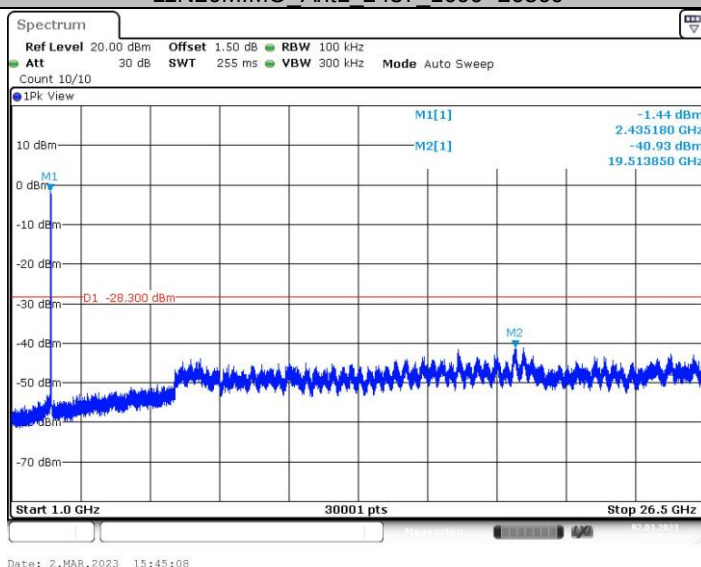
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



11N20MIMO_Ant1_2437_30-1000



11N20MIMO_Ant1_2437_1000-26500



11N20MIMO_Ant2_2437_0-Reference

CTC Laboratories, Inc.

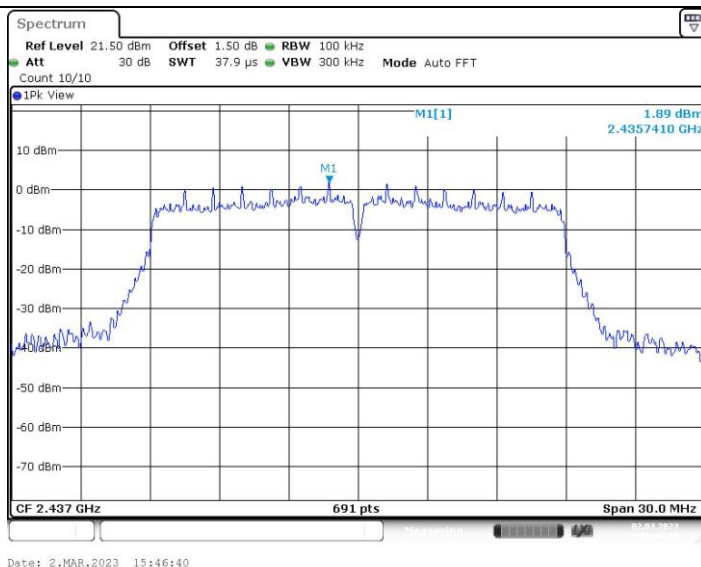
1-2/F, Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

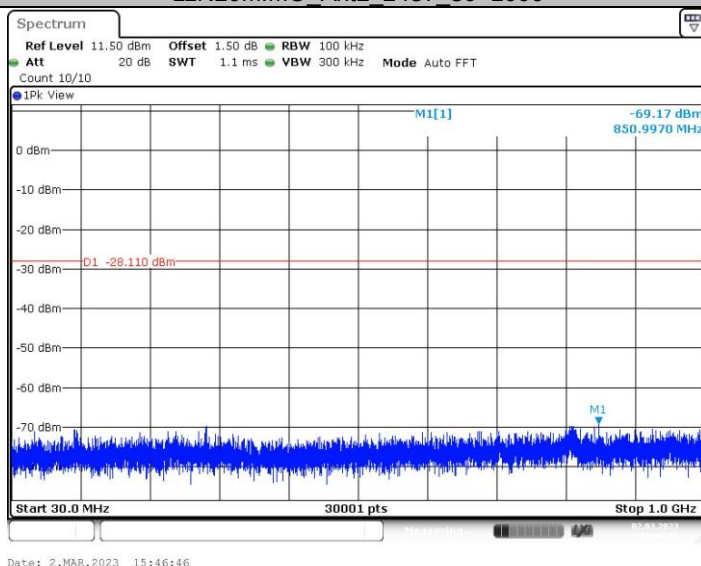
Fax: (86)755-27521011

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

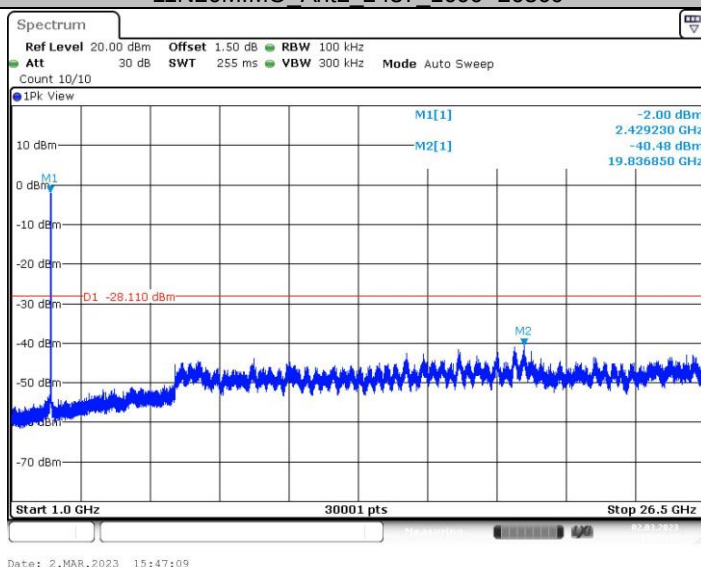
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



11N20MIMO_Ant2_2437_30~1000



11N20MIMO_Ant2_2437_1000~26500



11N20MIMO_Ant1_2462_0~Reference

CTC Laboratories, Inc.

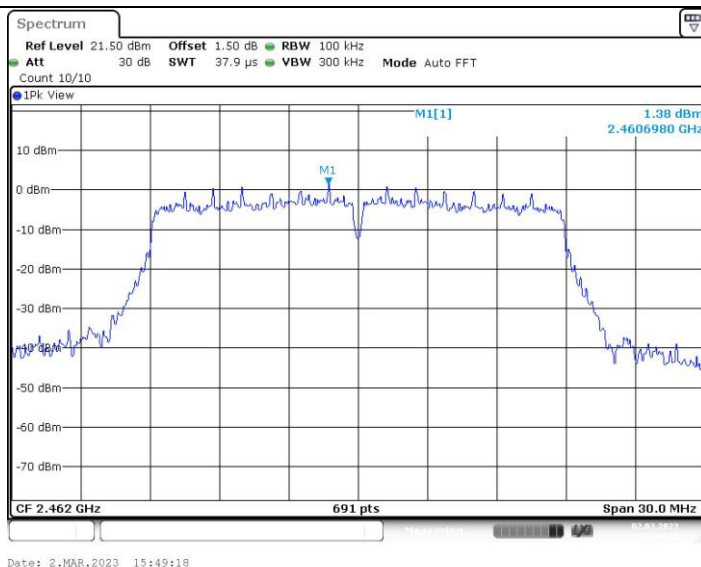
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

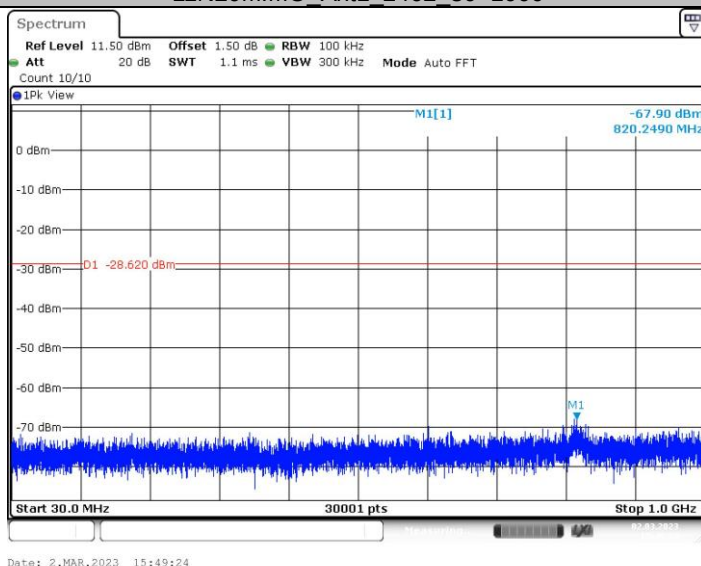
Fax: (86)755-27521011

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

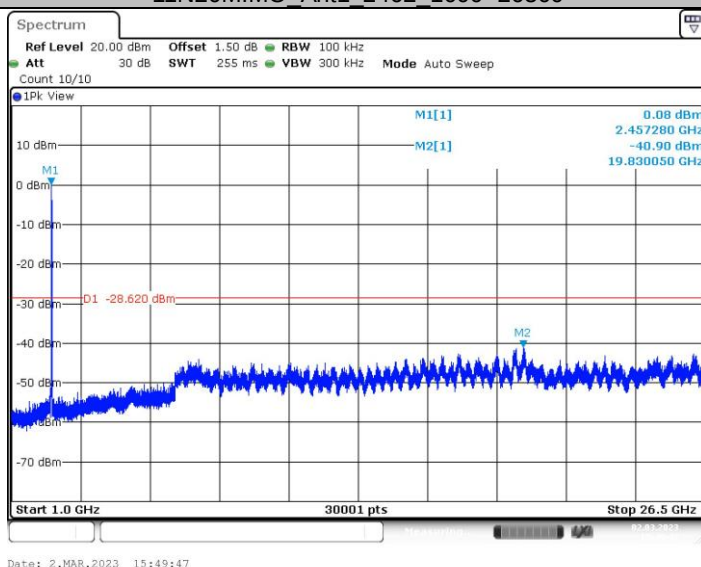
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



11N20MIMO_Ant1_2462_30-1000



11N20MIMO_Ant1_2462_1000-26500



11N20MIMO_Ant2_2462_0-Reference

CTC Laboratories, Inc.

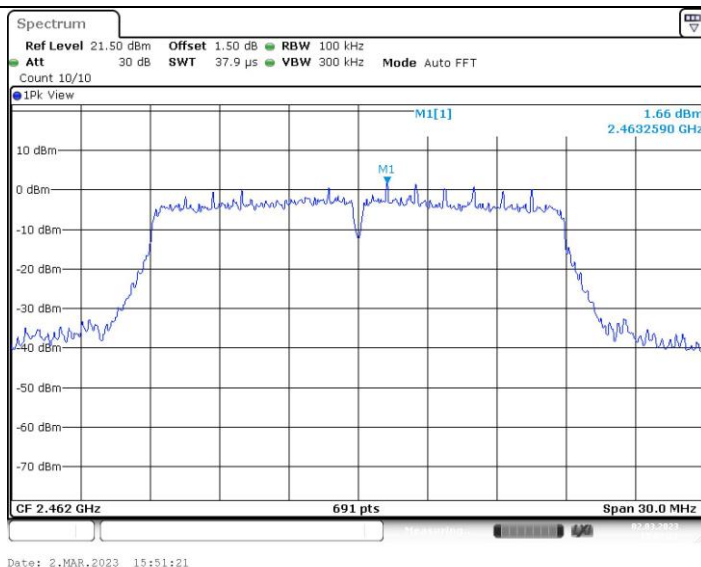
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

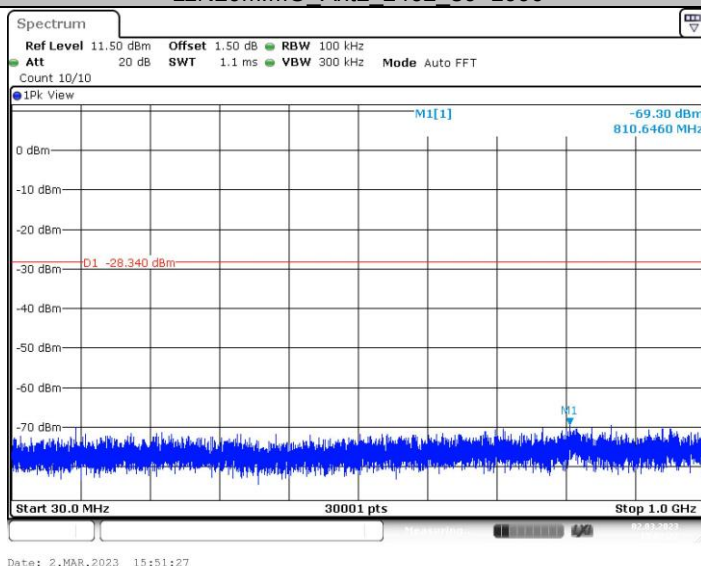
Fax: (86)755-27521011

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

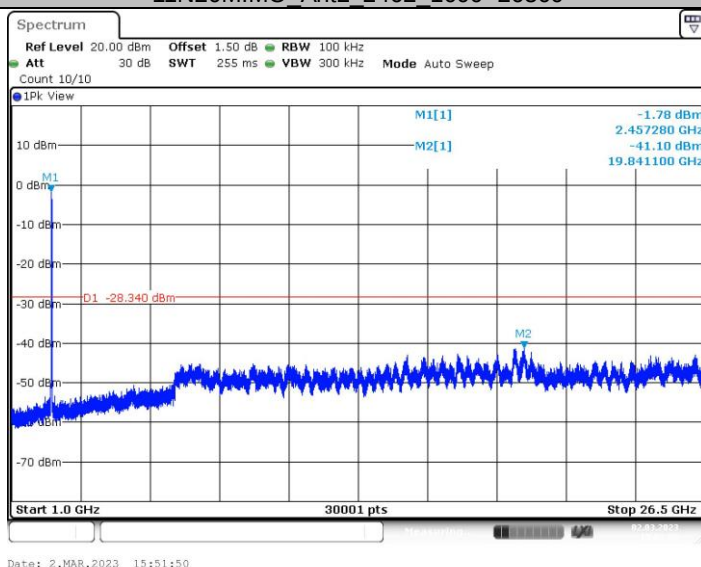
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



11N20MIMO_Ant2_2462_30~1000



11N20MIMO_Ant2_2462_1000~26500



11N40MIMO_Ant1_2422_0~Reference

CTC Laboratories, Inc.

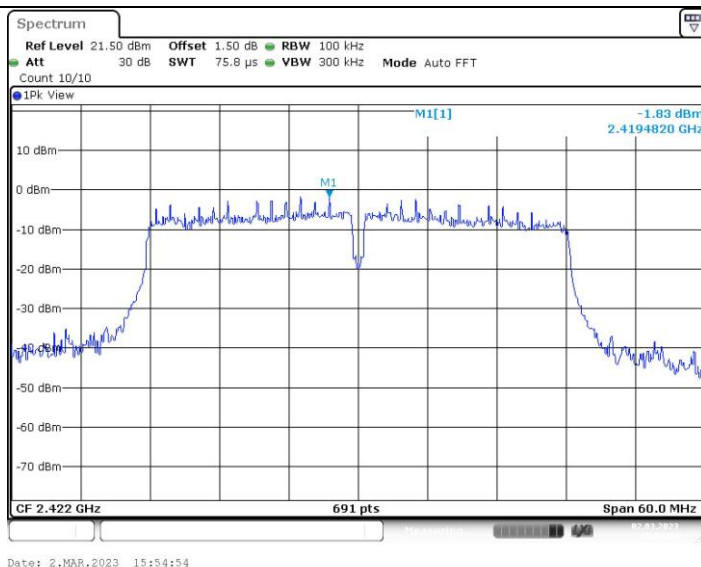
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

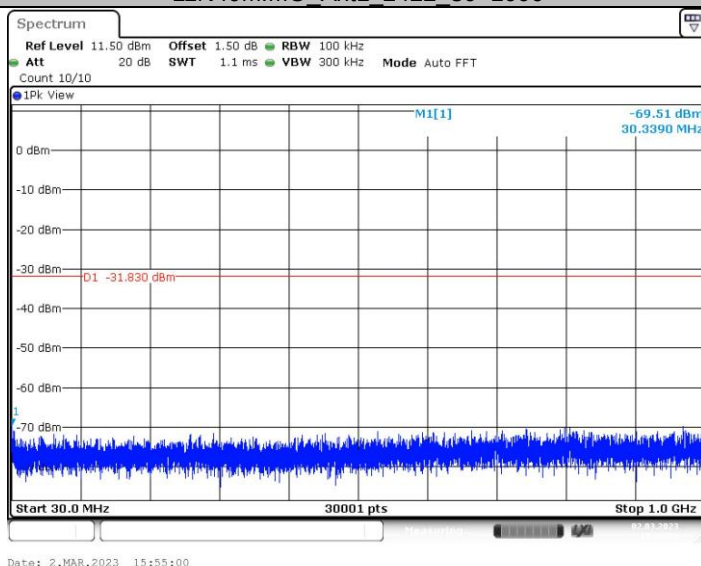
Fax: (86)755-27521011

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

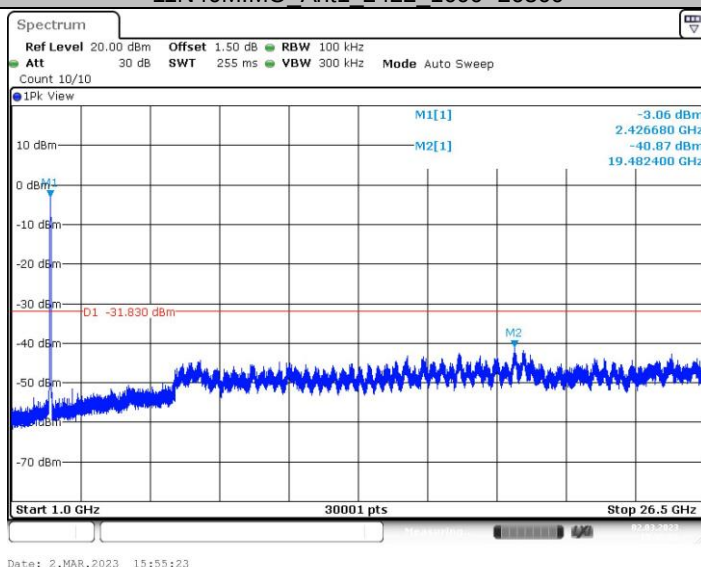
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



11N40MIMO_Ant1_2422_30~1000



11N40MIMO_Ant1_2422_1000~26500



11N40MIMO_Ant2_2422_0~Reference

CTC Laboratories, Inc.

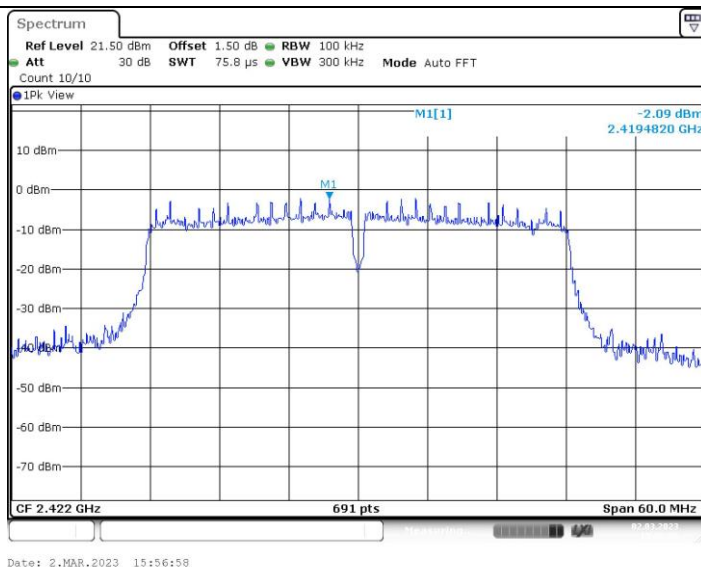
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

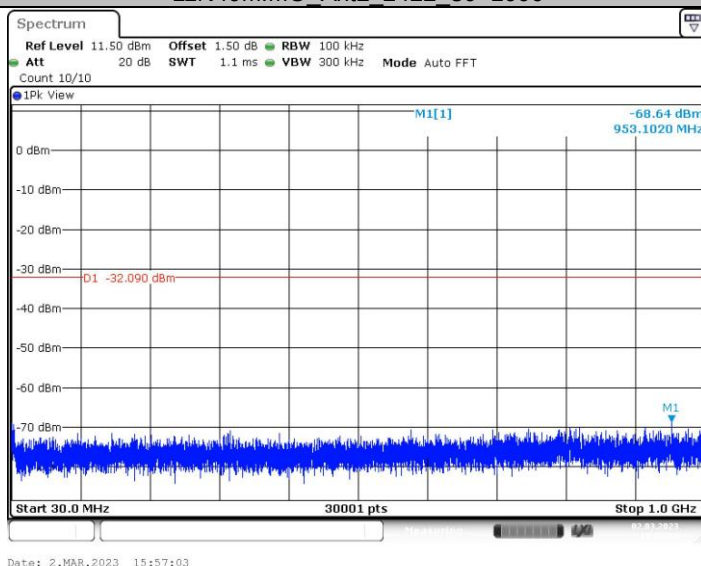
Fax: (86)755-27521011

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

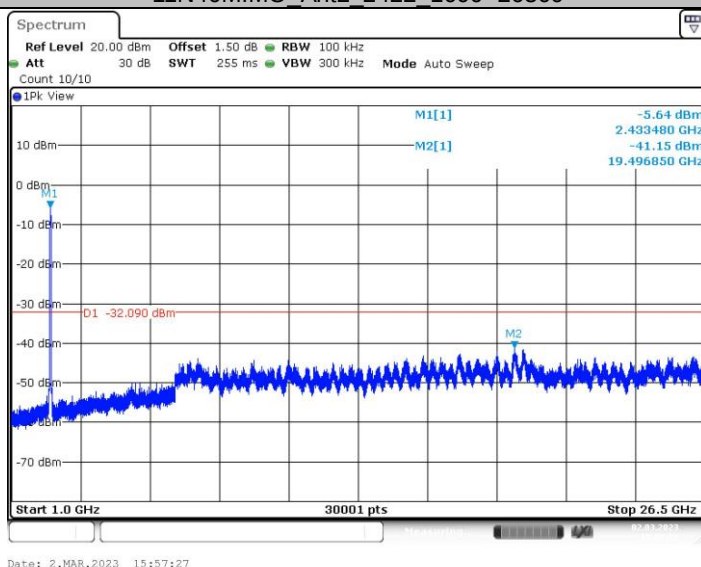
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



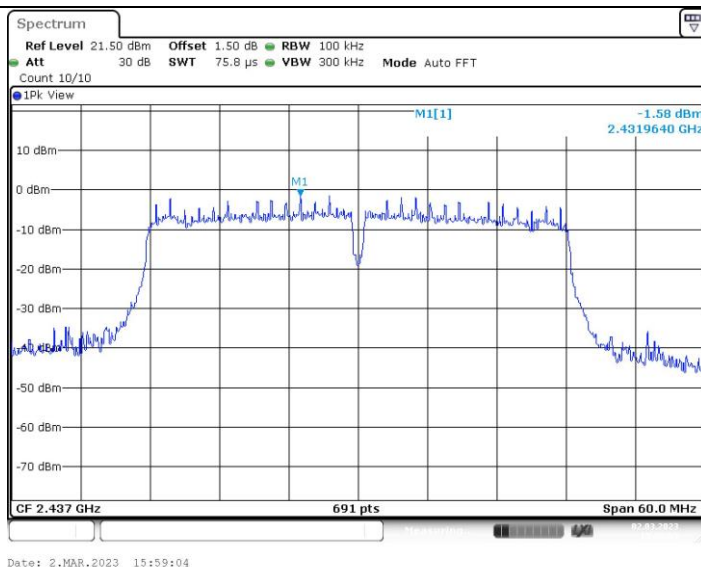
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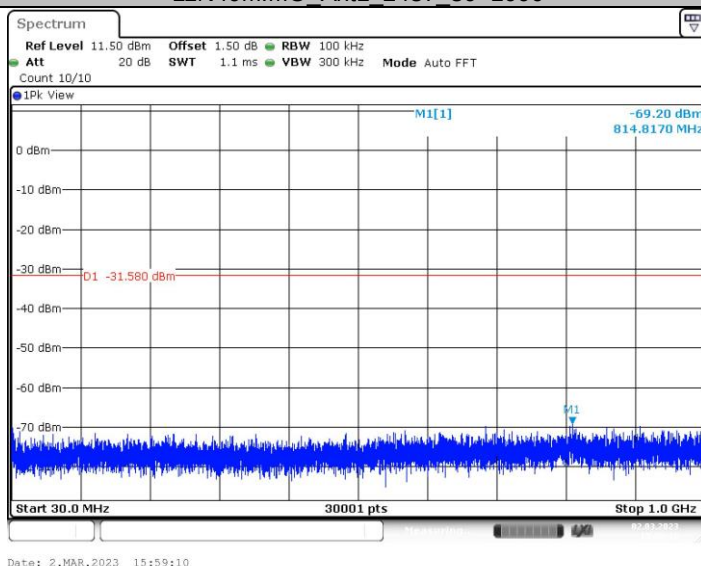
11N40MIMO_Ant2_2422_1000-26500



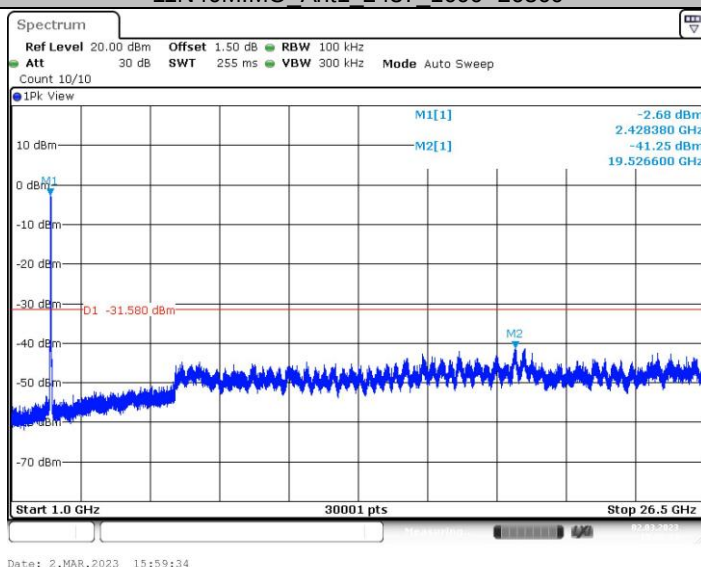
11N40MIMO_Ant1_2437_0-Reference



11N40MIMO_Ant1_2437_30-1000



11N40MIMO_Ant1_2437_1000-26500



11N40MIMO_Ant2_2437_0-Reference

CTC Laboratories, Inc.

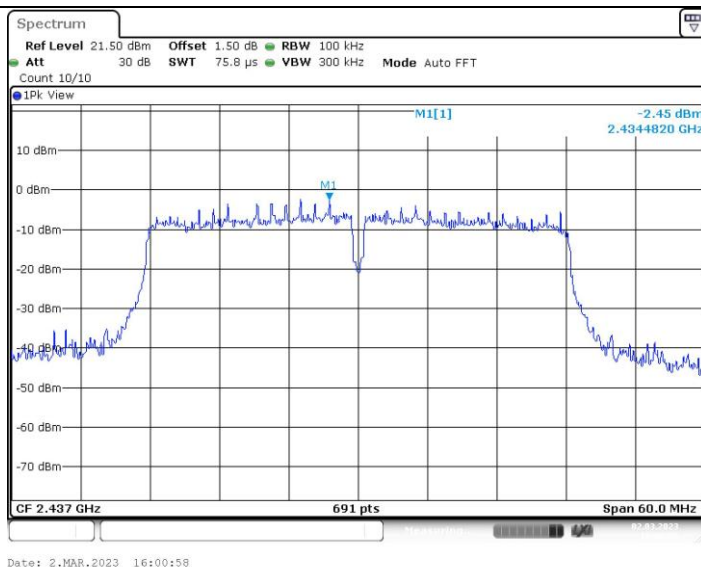
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

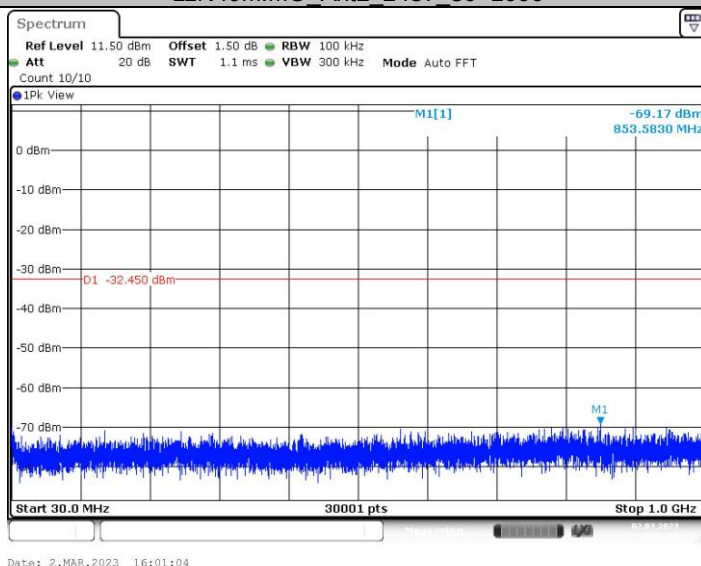
Fax: (86)755-27521011

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

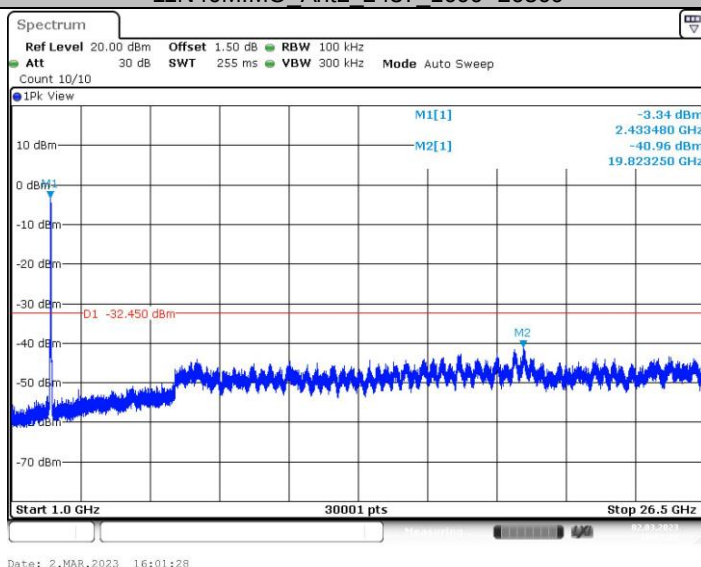
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



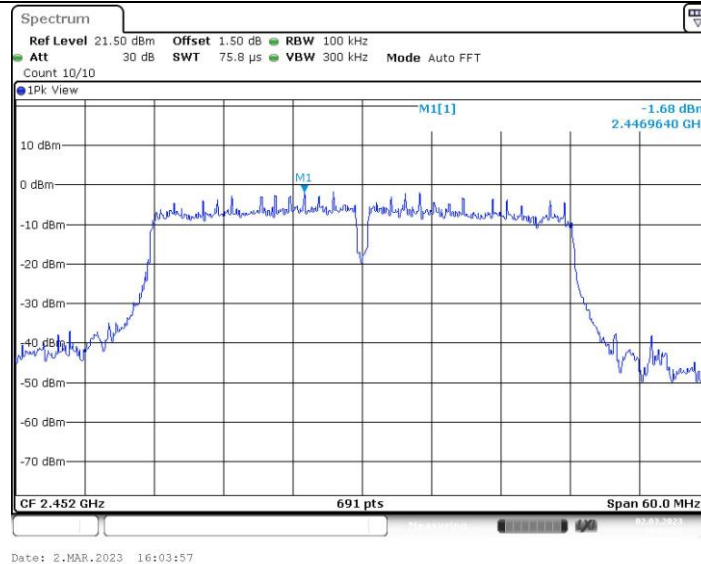
11N40MIMO_Ant2_2437_30-1000



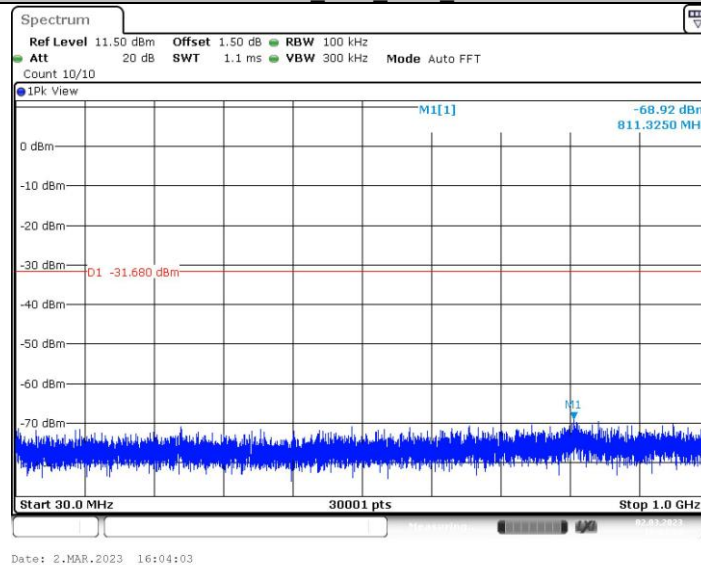
11N40MIMO_Ant2_2437_1000~26500



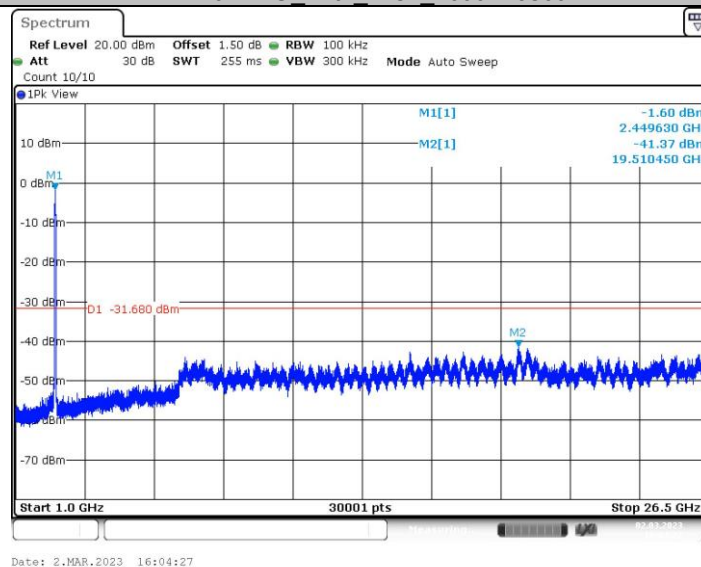
11N40MIMO_Ant1_2452_0-Reference



11N40MIMO_Ant1_2452_30-1000



11N40MIMO_Ant1_2452_1000-26500



11N40MIMO_Ant2_2452_0-Reference

CTC Laboratories, Inc.

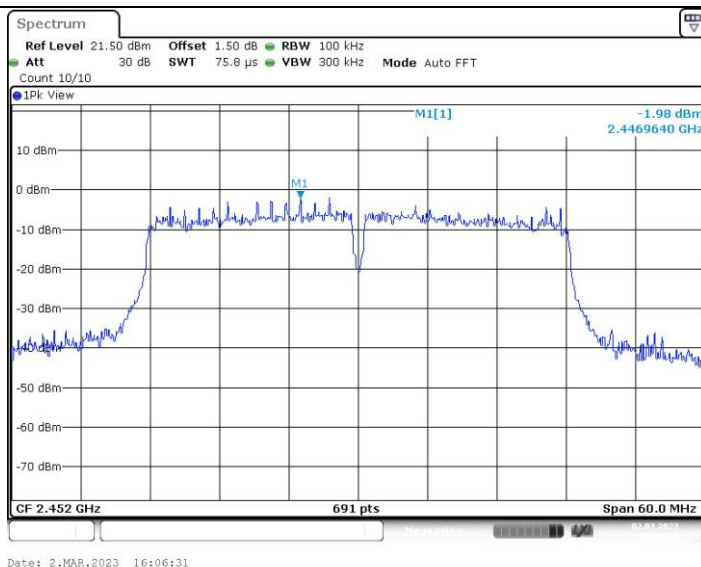
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

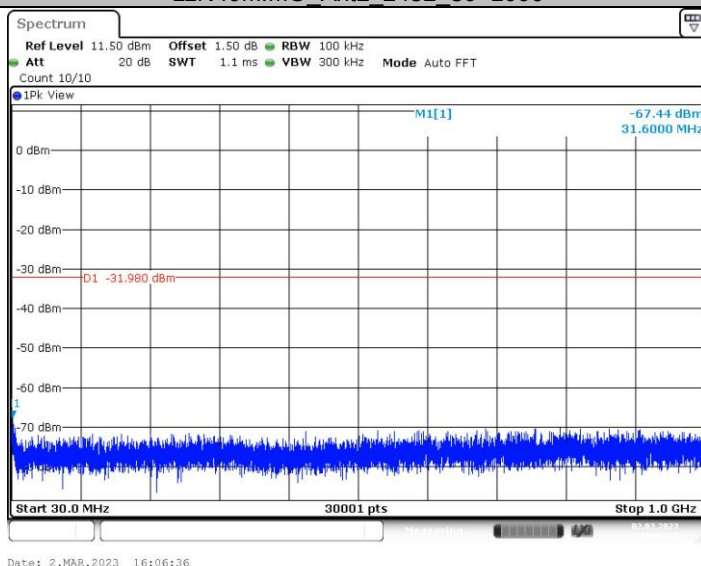
Fax: (86)755-27521011

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

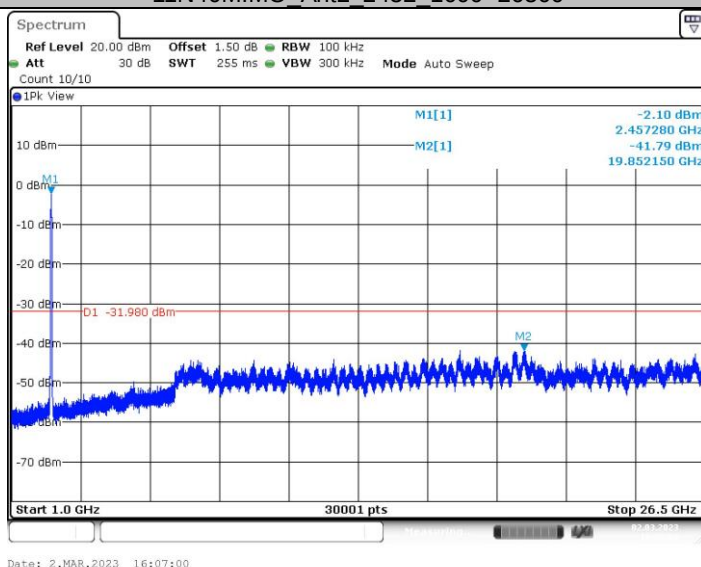
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



11N40MIMO_Ant2_2452_30~1000



11N40MIMO_Ant2_2452_1000~26500



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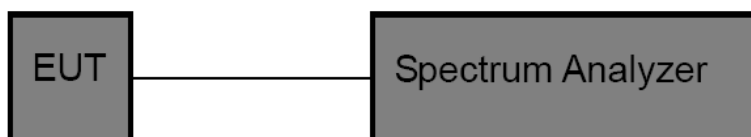
3.5. DTS Bandwidth

Limit

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (a)(2)/ RSS-247 5.2 a:

Test Item	Limit	Frequency Range(MHz)
Bandwidth	≥ 500 KHz (6dB bandwidth)	2400~2483.5

Test Configuration



Test Procedure

5. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
6. DTS Spectrum Setting:
 - (1) Set RBW = 100 kHz.
 - (2) Set the video bandwidth (VBW) ≥ 3 RBW.
 - (3) Detector = Peak.
 - (4) Trace mode = Max hold.
 - (5) Sweep = Auto couple.OCB Spectrum Setting:
 - (1) Set RBW = 1% ~ 5% occupied bandwidth.
 - (2) Set the video bandwidth (VBW) ≥ 3 RBW.
 - (3) Detector = Peak.
 - (4) Trace mode = Max hold.
 - (5) Sweep = Auto couple.

NOTE: The EUT was set to continuously transmitting in each mode and low, Middle and high channel for the test.

Test Mode

Please refer to the clause 2.4.

**Test Results****DTS Bandwidth Test Result**

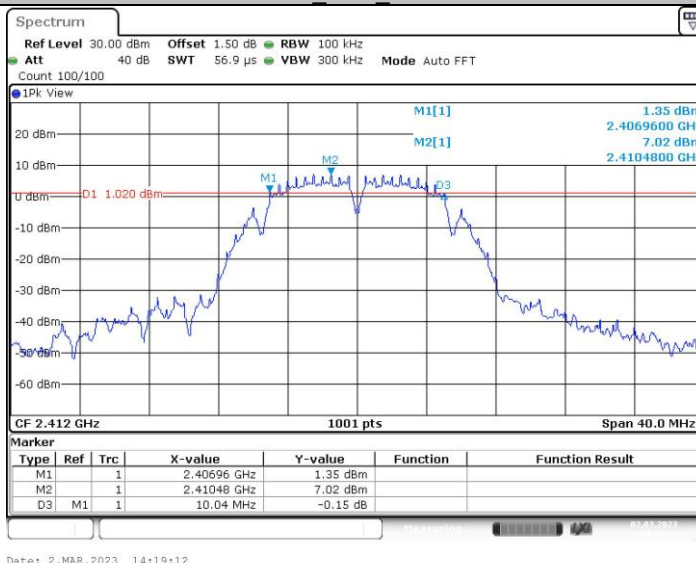
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.04	2406.96	2417.00	0.5	PASS
	Ant2	2412	10.04	2406.96	2417.00	0.5	PASS
	Ant1	2437	10.04	2431.96	2442.00	0.5	PASS
	Ant2	2437	10.04	2431.96	2442.00	0.5	PASS
	Ant1	2462	10.04	2456.96	2467.00	0.5	PASS
	Ant2	2462	9.08	2457.44	2466.52	0.5	PASS
11G	Ant1	2412	16.36	2403.80	2420.16	0.5	PASS
	Ant2	2412	16.44	2403.72	2420.16	0.5	PASS
	Ant1	2437	16.28	2428.84	2445.12	0.5	PASS
	Ant2	2437	16.36	2428.80	2445.16	0.5	PASS
	Ant1	2462	16.04	2453.84	2469.88	0.5	PASS
	Ant2	2462	16.36	2453.80	2470.16	0.5	PASS
11N20MIMO	Ant1	2412	16.96	2403.44	2420.40	0.5	PASS
	Ant2	2412	17.56	2403.20	2420.76	0.5	PASS
	Ant1	2437	17.56	2428.20	2445.76	0.5	PASS
	Ant2	2437	16.96	2428.44	2445.40	0.5	PASS
	Ant1	2462	17.56	2453.20	2470.76	0.5	PASS
	Ant2	2462	17.56	2453.20	2470.76	0.5	PASS
11N40MIMO	Ant1	2422	35.44	2404.08	2439.52	0.5	PASS
	Ant2	2422	35.04	2404.48	2439.52	0.5	PASS
	Ant1	2437	35.28	2419.24	2454.52	0.5	PASS
	Ant2	2437	35.52	2419.08	2454.60	0.5	PASS
	Ant1	2452	35.20	2434.40	2469.60	0.5	PASS
	Ant2	2452	35.12	2434.40	2469.52	0.5	PASS

**Occupied Channel Bandwidth Test Result**

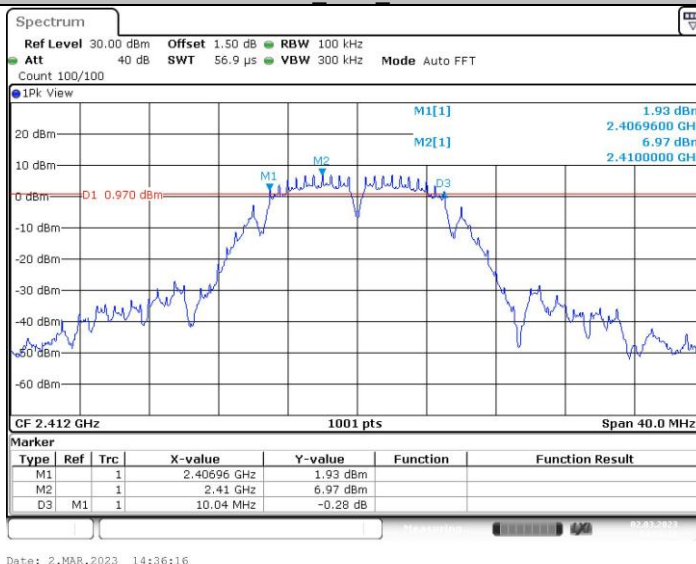
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.268	2405.806	2418.074	---	PASS
	Ant2	2412	12.428	2405.726	2418.154	---	PASS
	Ant1	2437	12.228	2430.846	2443.074	---	PASS
	Ant2	2437	12.428	2430.766	2443.194	---	PASS
	Ant1	2462	12.228	2455.846	2468.074	---	PASS
	Ant2	2462	12.468	2455.726	2468.194	---	PASS
11G	Ant1	2412	17.103	2403.449	2420.551	---	PASS
	Ant2	2412	17.143	2403.289	2420.432	---	PASS
	Ant1	2437	17.103	2428.369	2445.472	---	PASS
	Ant2	2437	17.023	2428.409	2445.432	---	PASS
	Ant1	2462	17.063	2453.329	2470.392	---	PASS
	Ant2	2462	17.143	2453.449	2470.591	---	PASS
11N20MIMO	Ant1	2412	17.822	2403.049	2420.871	---	PASS
	Ant2	2412	17.902	2403.049	2420.951	---	PASS
	Ant1	2437	17.942	2428.089	2446.031	---	PASS
	Ant2	2437	17.862	2428.089	2445.951	---	PASS
	Ant1	2462	17.822	2453.049	2470.871	---	PASS
	Ant2	2462	17.862	2453.089	2470.951	---	PASS
11N40MIMO	Ant1	2422	36.124	2403.858	2439.982	---	PASS
	Ant2	2422	36.124	2403.858	2439.982	---	PASS
	Ant1	2437	36.444	2418.778	2455.222	---	PASS
	Ant2	2437	36.124	2418.858	2454.982	---	PASS
	Ant1	2452	36.044	2433.858	2469.902	---	PASS
	Ant2	2452	36.124	2433.858	2469.982	---	PASS

**DTS Bandwidth Test Graphs**

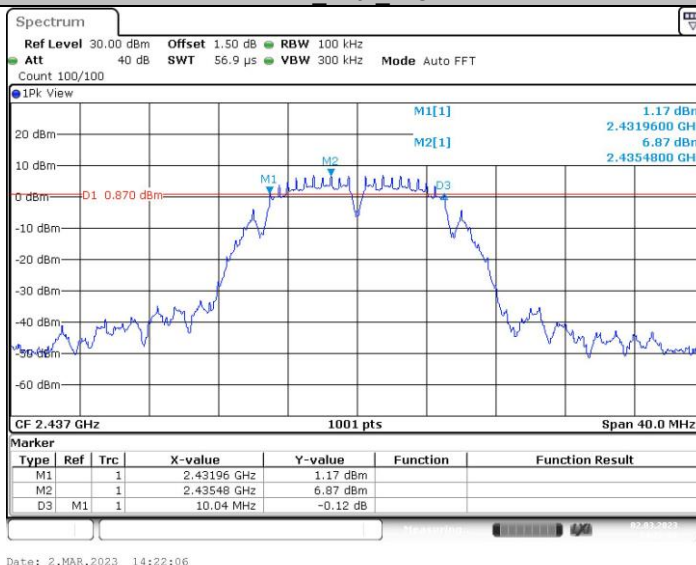
11B_Ant1_2412



11B_Ant2_2412



11B_Ant1_2437



11B_Ant2_2437

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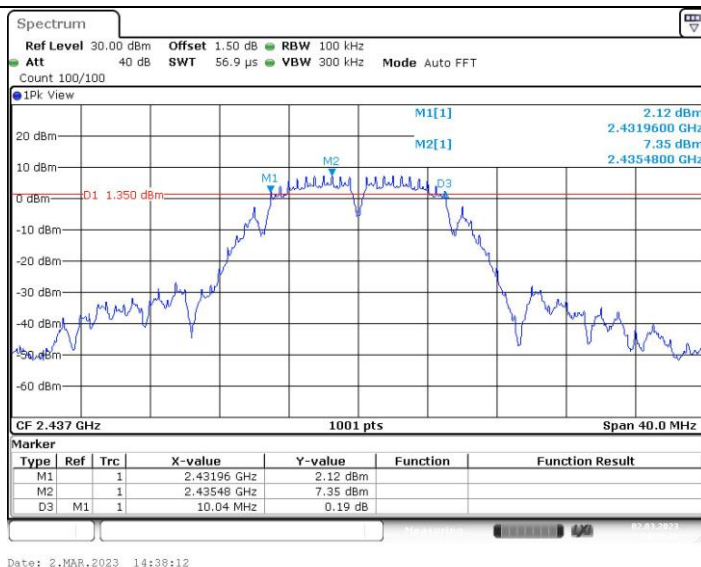
1-2/F, Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

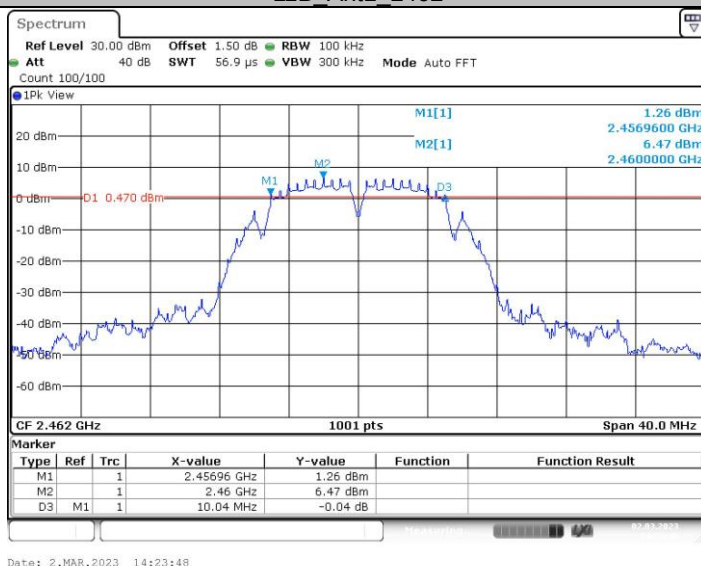
Fax: (86)755-27521011

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

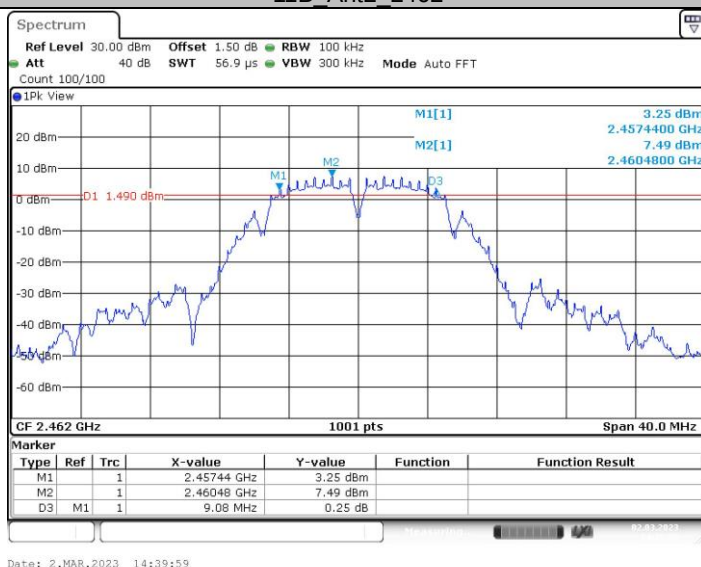
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11B Ant1 2462



11B Ant2 2462



11G Ant1 2412

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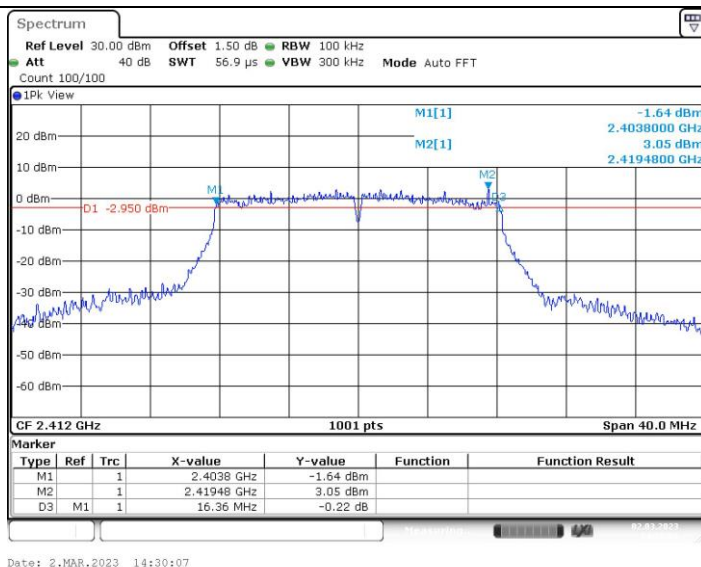
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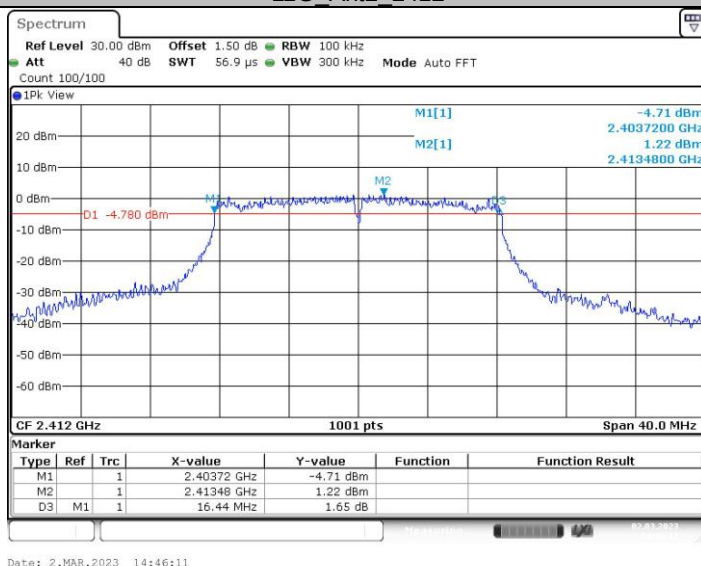
Fax: (86)755-27521011

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

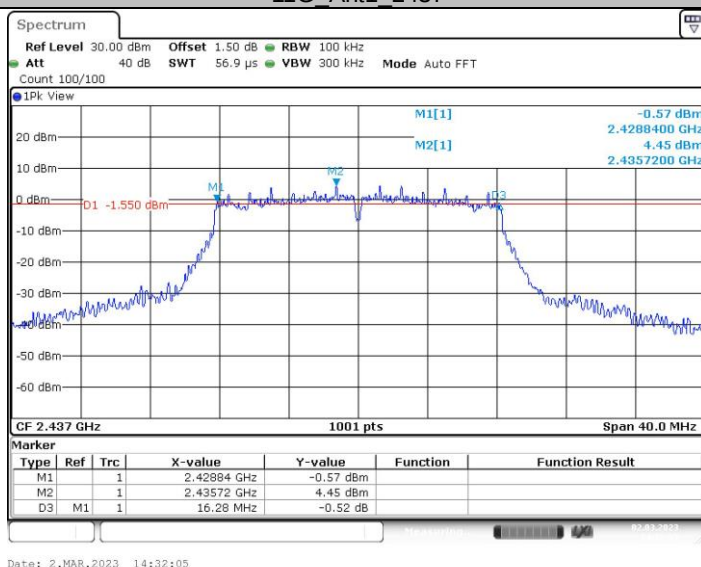
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11G_Ant2_2412



11G_Ant1_2437



11G_Ant2_2437

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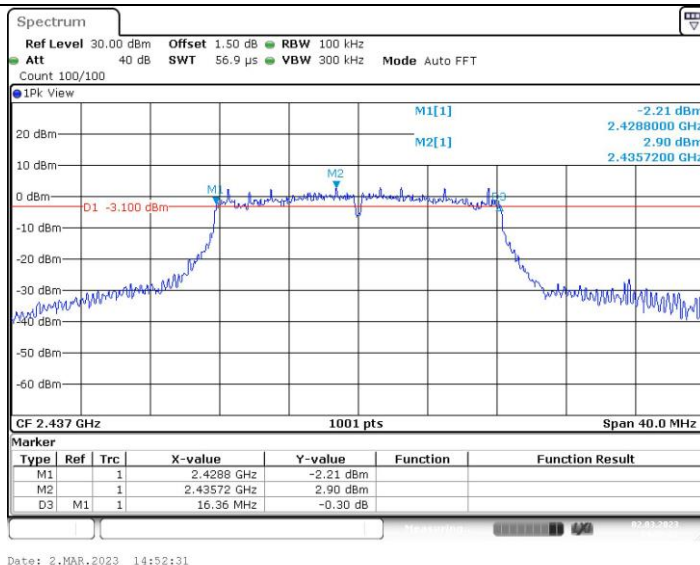
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Tel.: (86)755-27521059

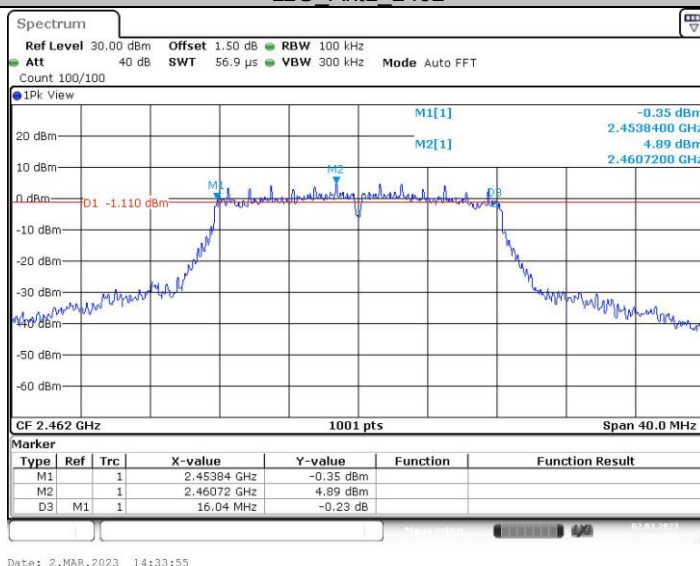
Fax: (86)755-27521011

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

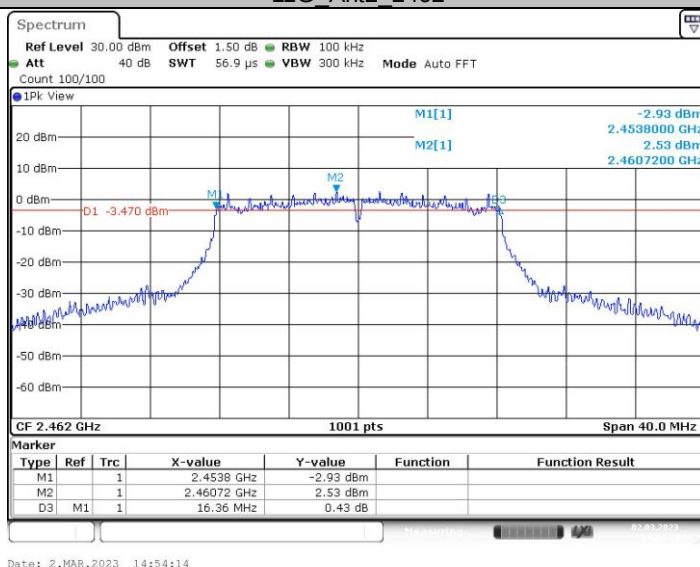
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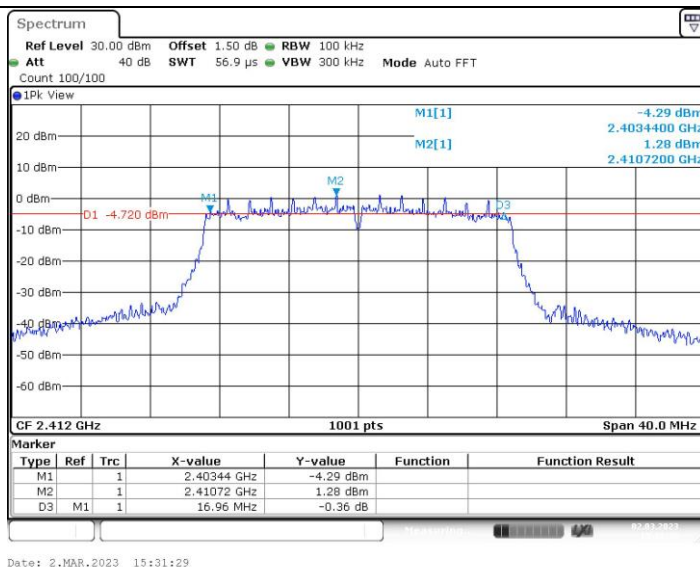
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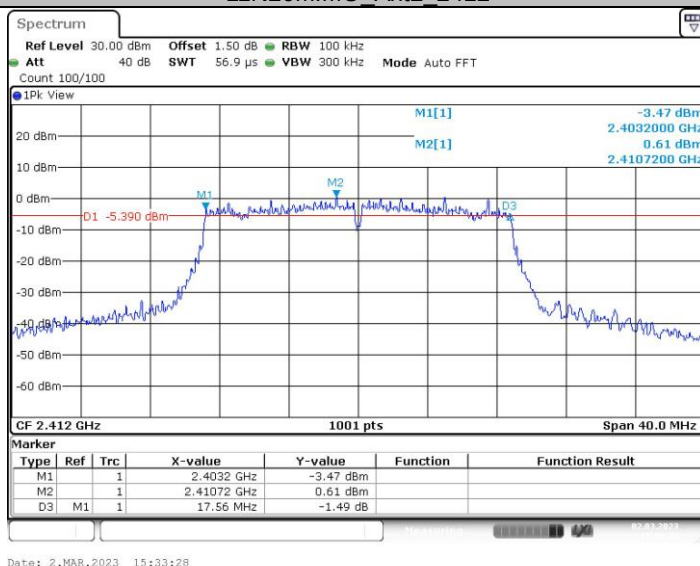
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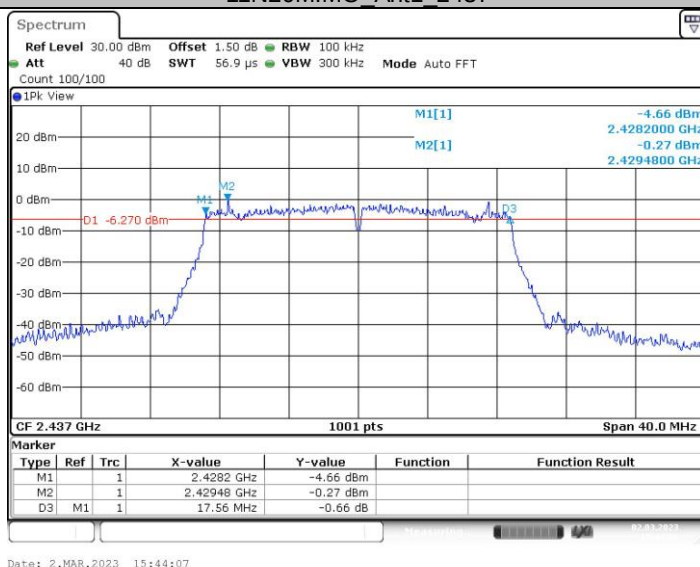
11N20MIMO_Ant1_2412



11N20MIMO_Ant2_2412



11N20MIMO_Ant1_2437



11N20MIMO_Ant2_2437

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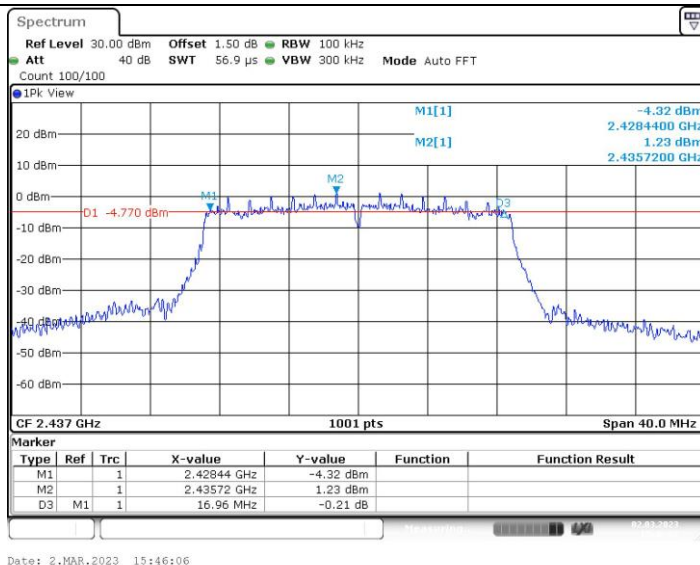
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Tel.: (86)755-27521059

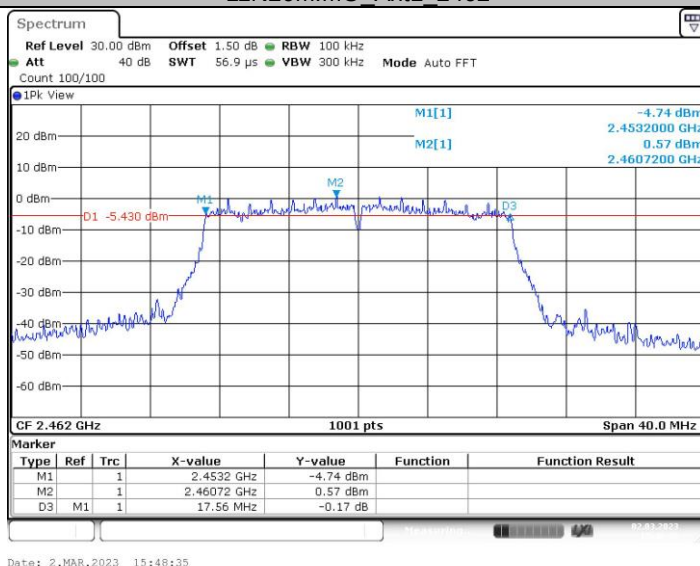
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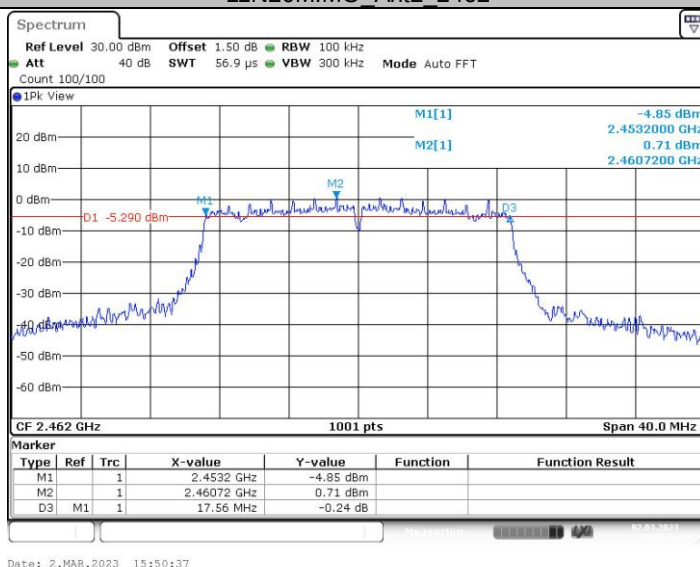
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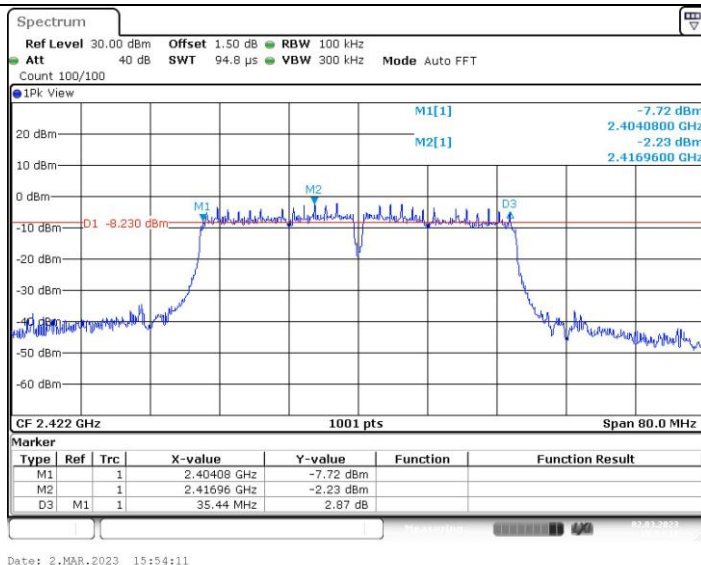
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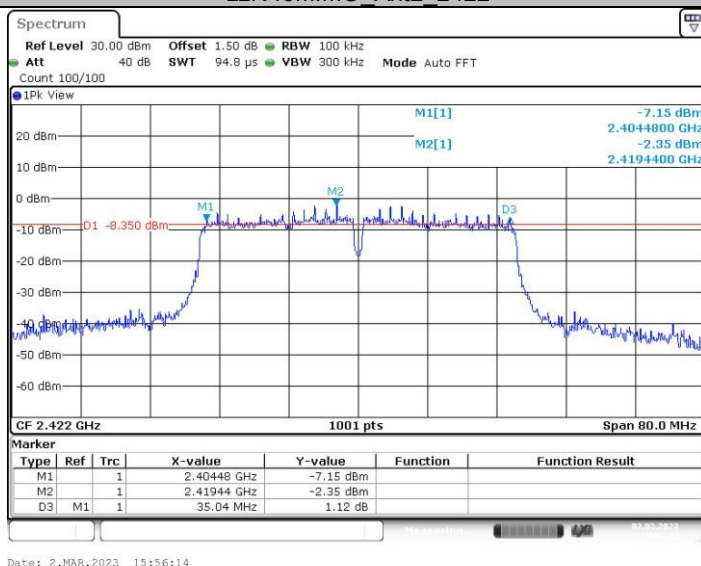
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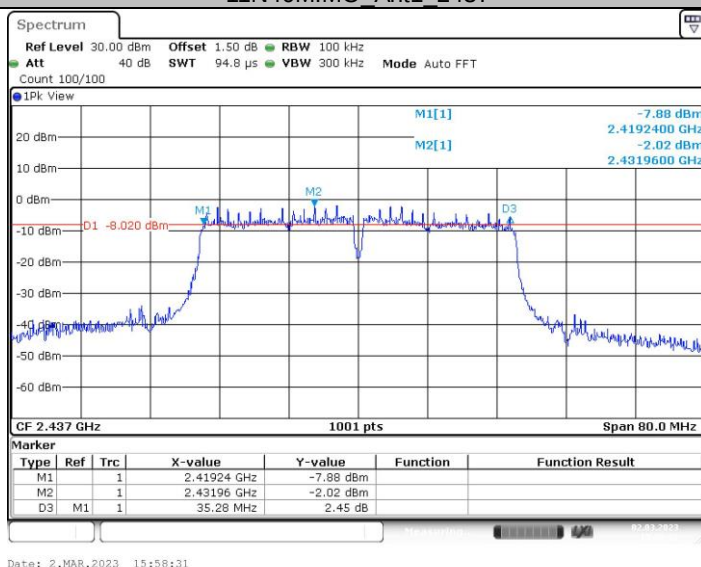
11N40MIMO_Ant1_2422



11N40MIMO_Ant2_2422



11N40MIMO_Ant1_2437



11N40MIMO_Ant2_2437

CTC Laboratories, Inc.

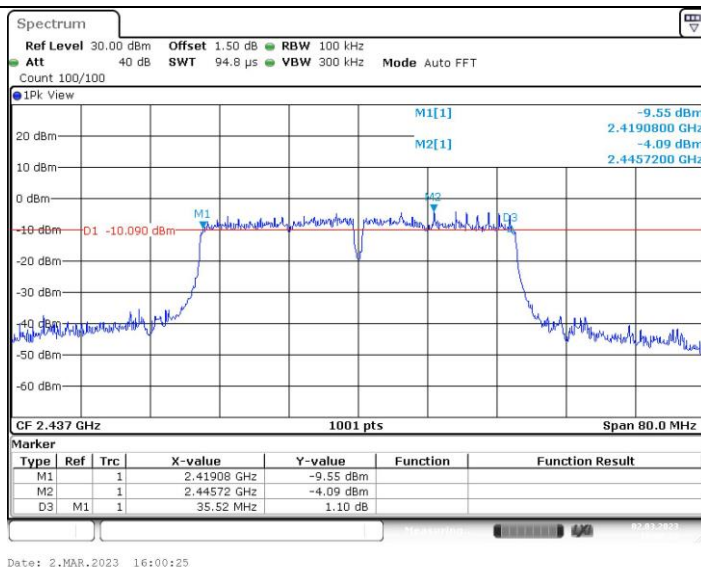
1-2/F, Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

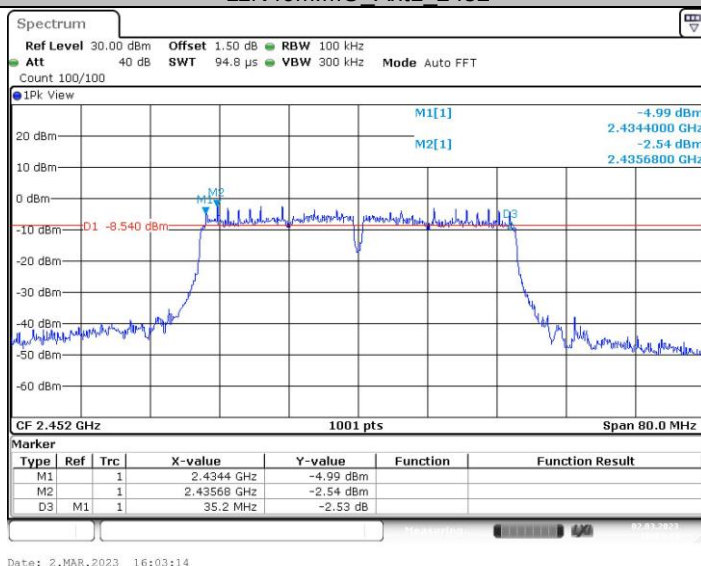
Fax: (86)755-27521011

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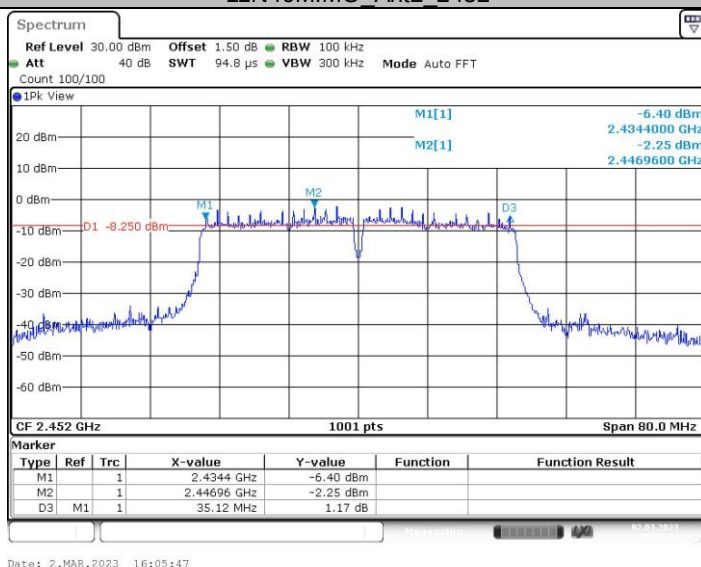
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11N40MIMO_Ant1_2452

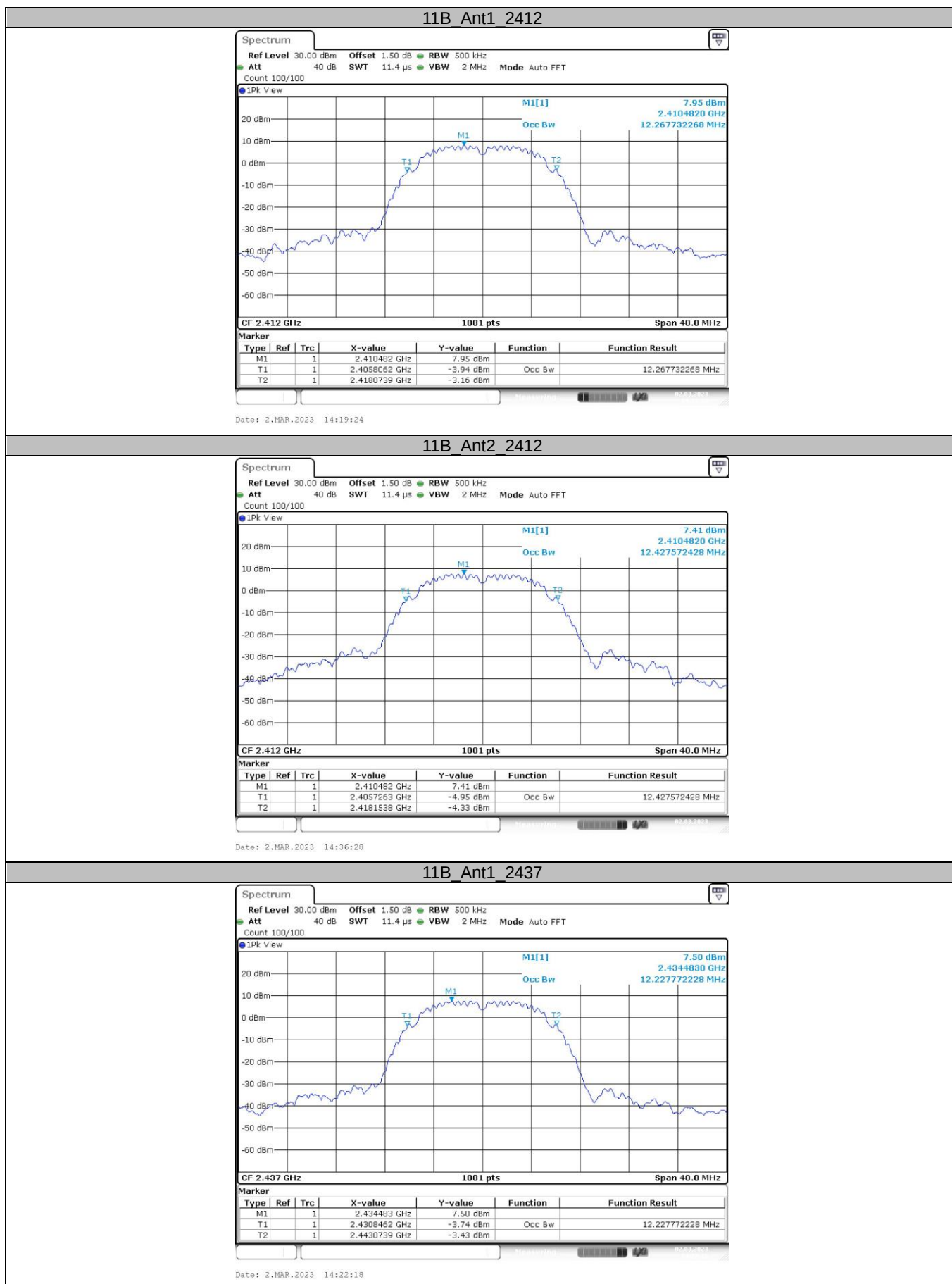


11N40MIMO_Ant2_2452





Occupied Channel Bandwidth Test Result



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