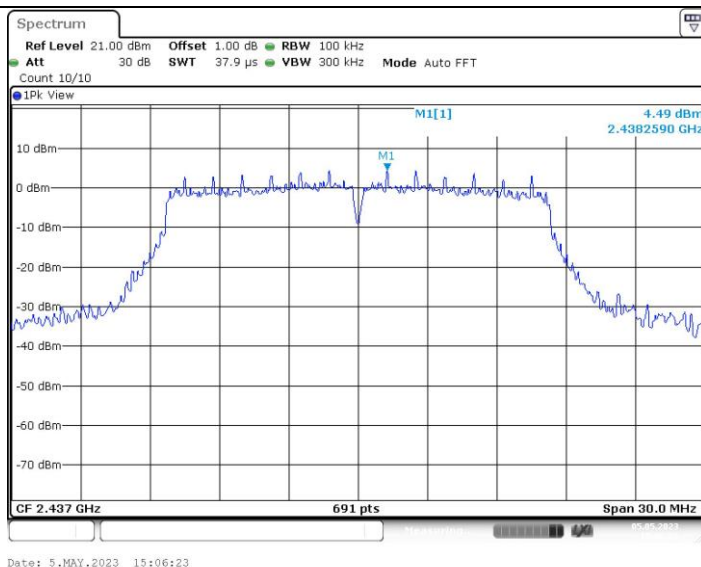
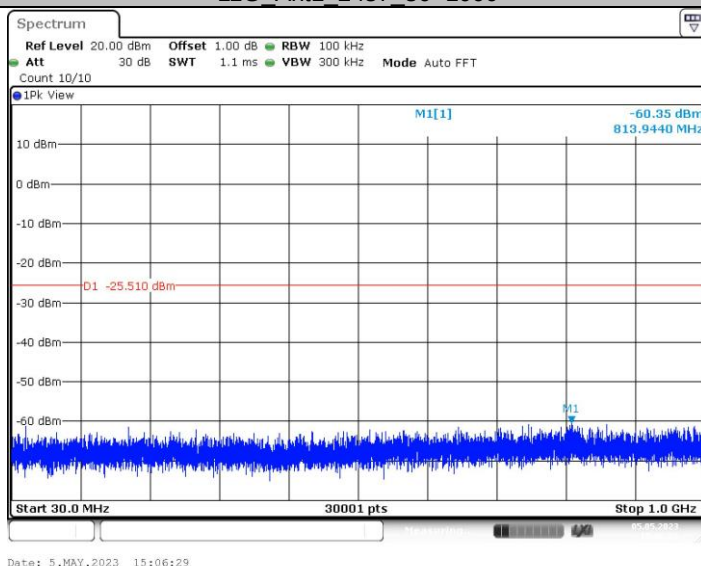
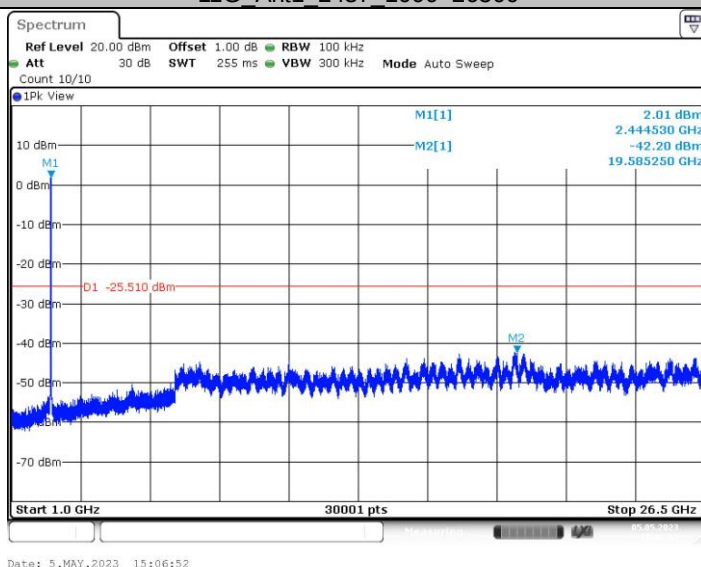




11G Ant1 2437 30~1000



11G Ant1 2437 1000~26500



11G Ant2 2437 0~Reference

CTC Laboratories, Inc.

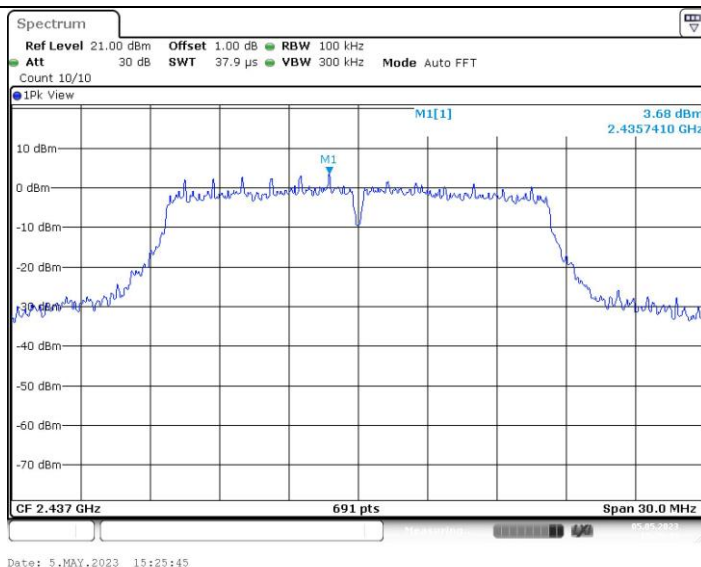
1-2/F, Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

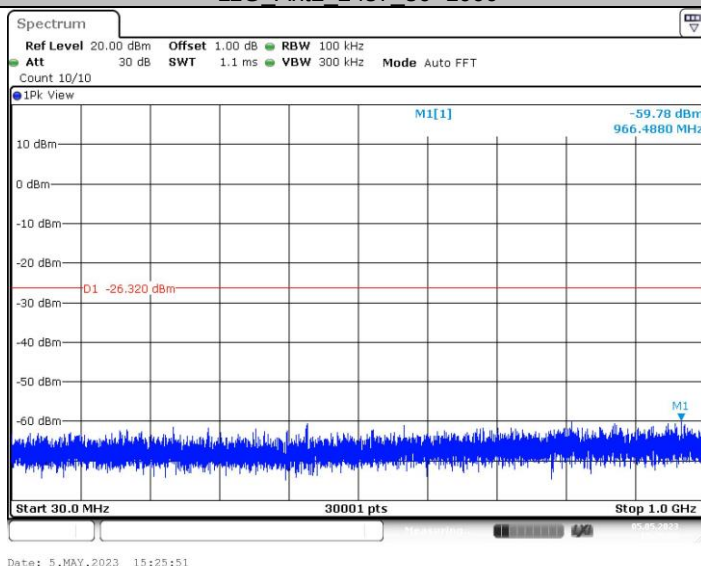
Fax: (86)755-27521011

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

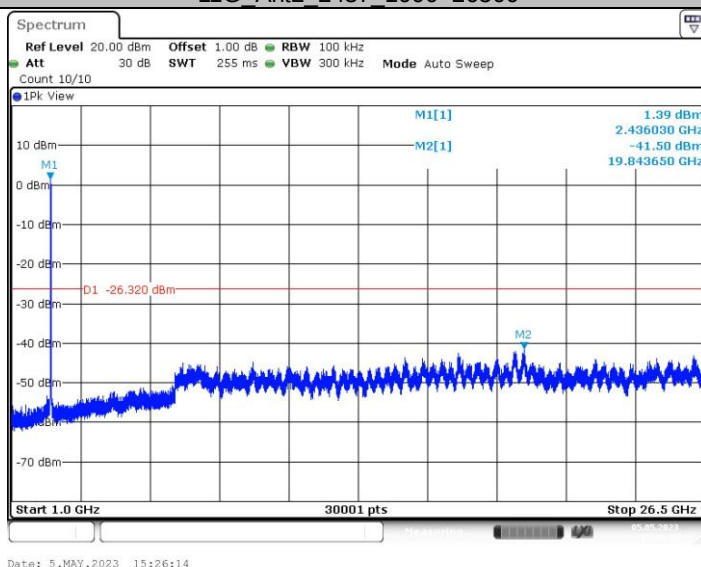
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



11G_Ant2_2437_30~1000



11G_Ant2_2437_1000~26500



11G_Ant1_2462_0~Reference

CTC Laboratories, Inc.

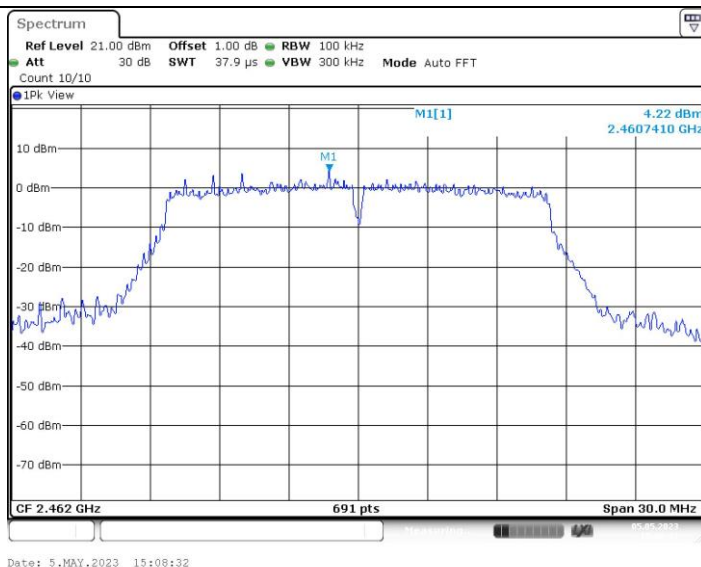
1-2/F, Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

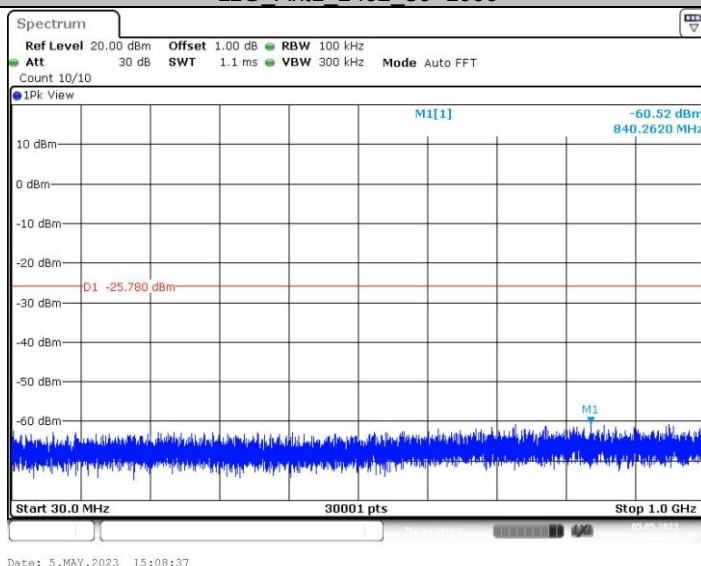
Fax: (86)755-27521011

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

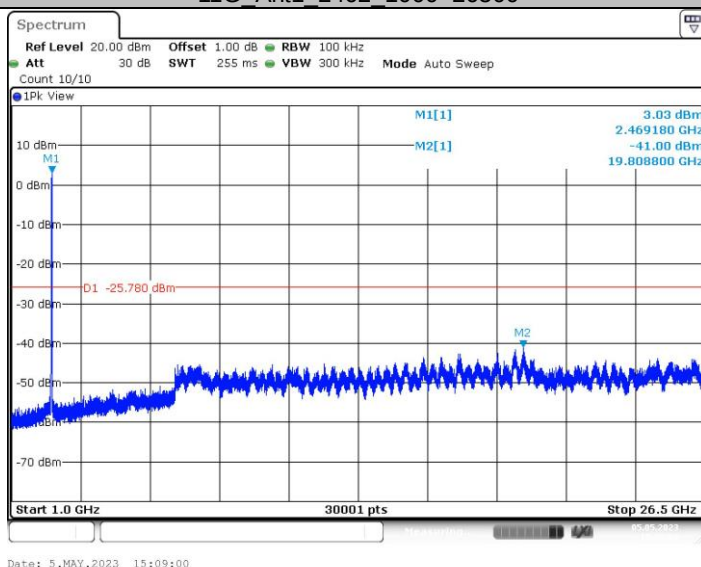
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



11G_Ant1_2462_30~1000



11G_Ant1_2462_1000~26500



11G_Ant2_2462_0~Reference

CTC Laboratories, Inc.

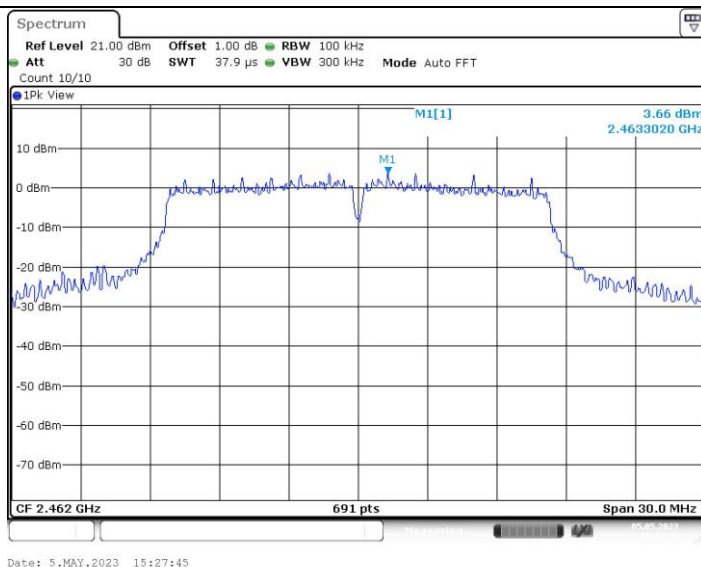
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

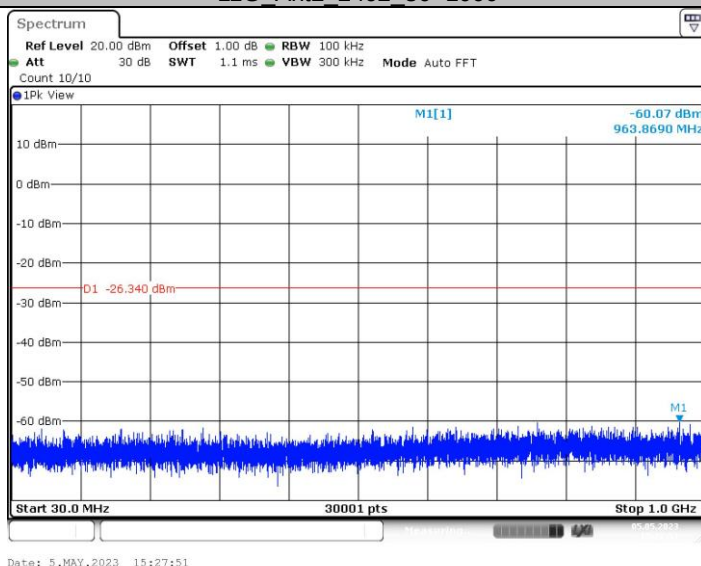
Fax: (86)755-27521011

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

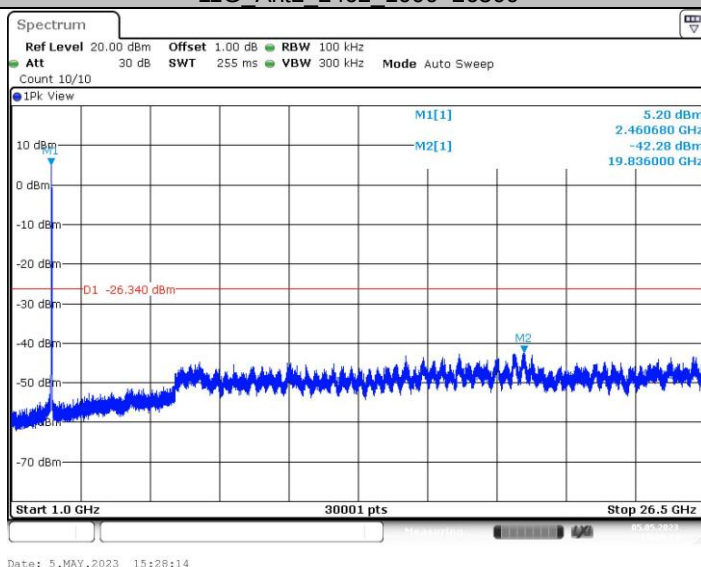
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



11G_Ant2_2462_30~1000



11G_Ant2_2462_1000~26500



11N20MIMO_Ant1_2412_0-Reference

CTC Laboratories, Inc.

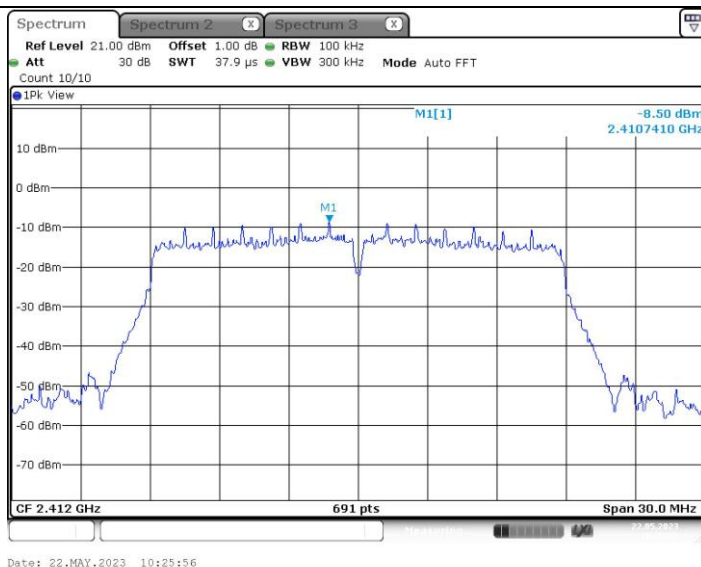
1-2/F, Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

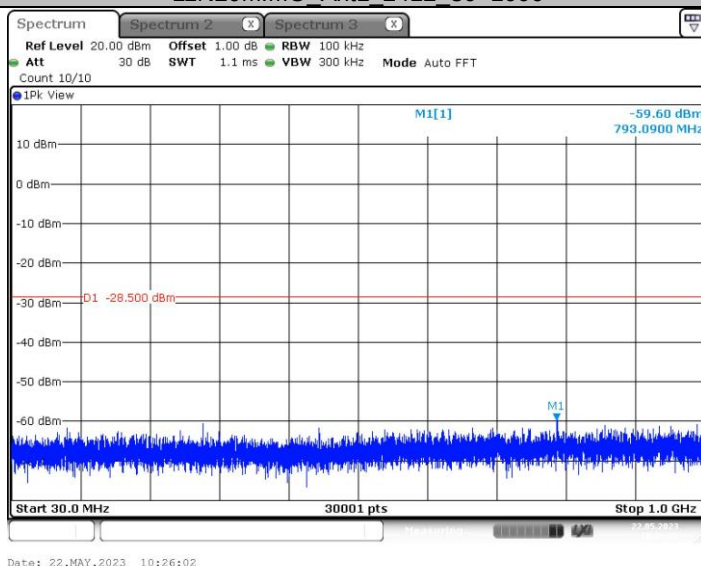
Fax: (86)755-27521011

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

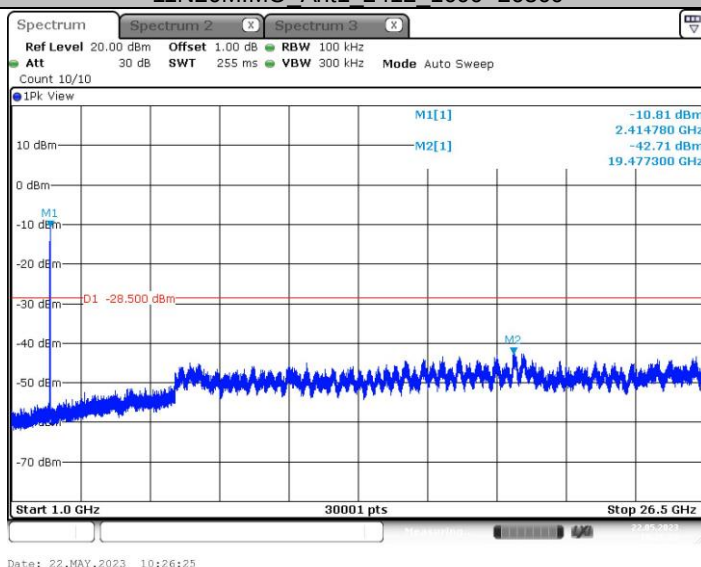
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



11N20MIMO Ant1 2412 30-1000



11N20MIMO Ant1 2412 1000-26500



11N20MIMO Ant2 2412 0-Reference

CTC Laboratories, Inc.

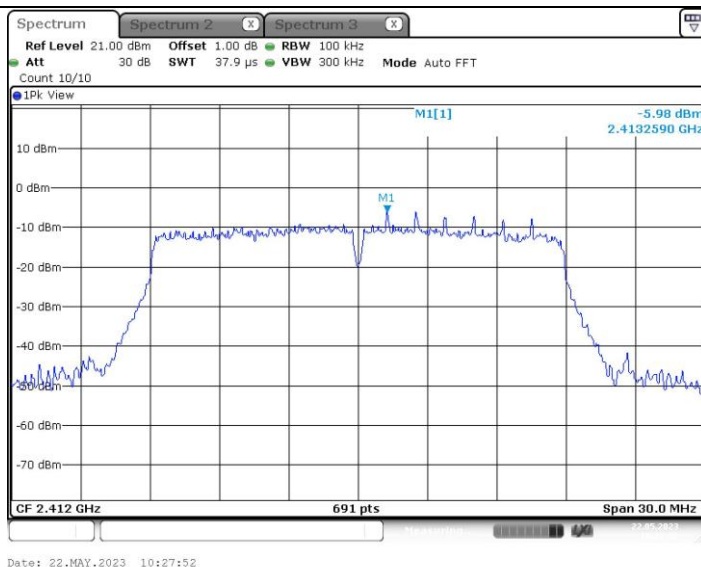
1-2/F, Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

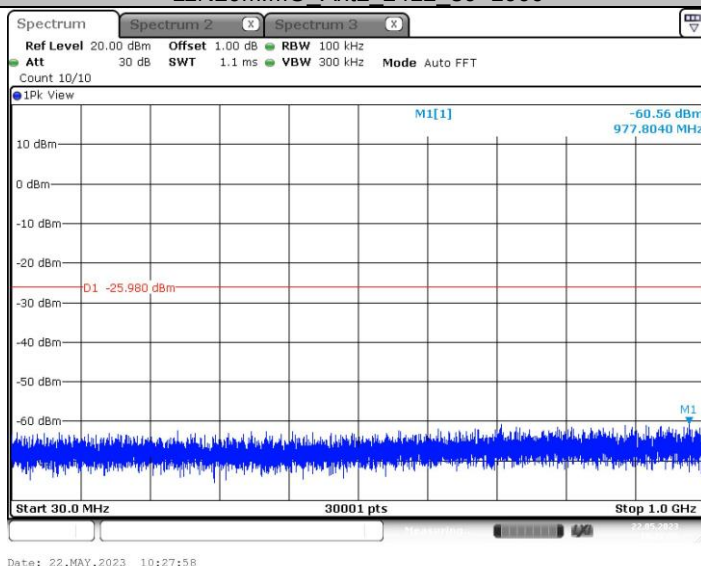
Fax: (86)755-27521011

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

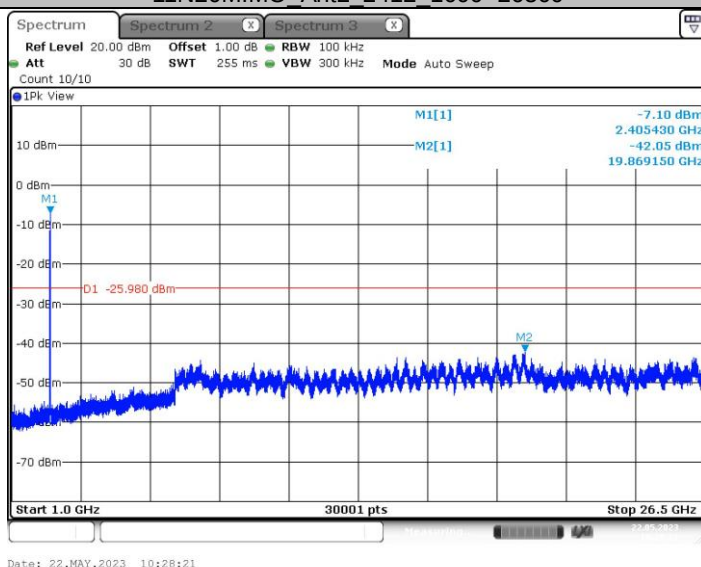
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



11N20MIMO Ant2 2412 30-1000



11N20MIMO Ant2 2412 1000-26500



11N20MIMO Ant1 2437 0-Reference

CTC Laboratories, Inc.

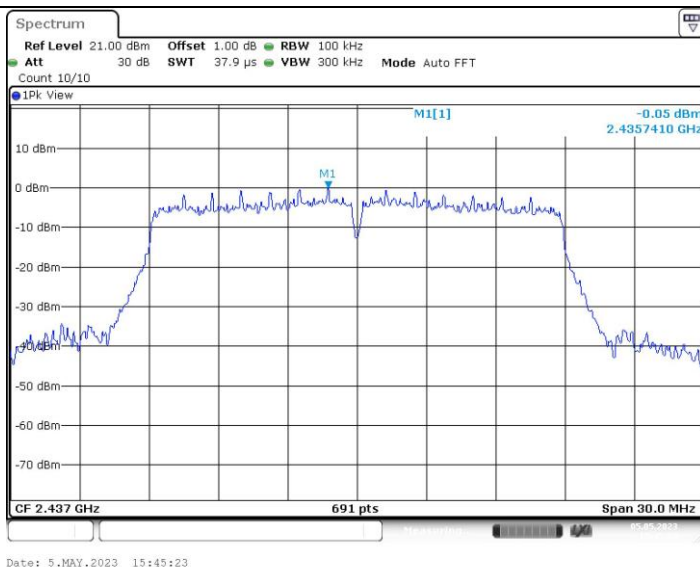
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

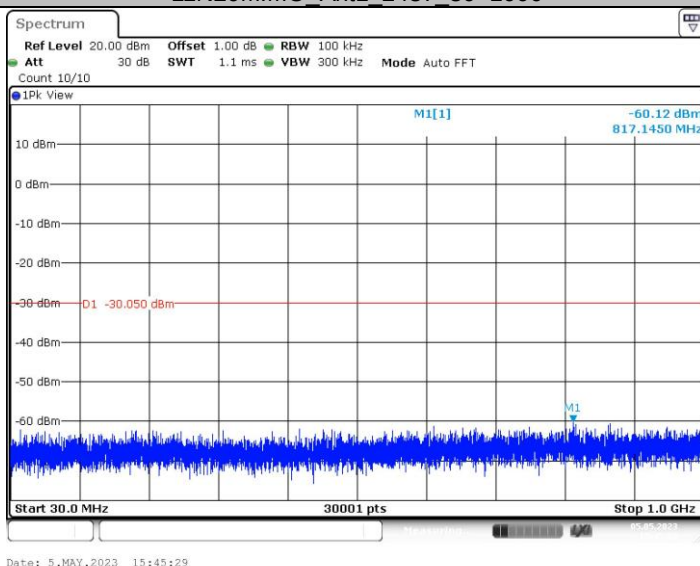
Fax: (86)755-27521011

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

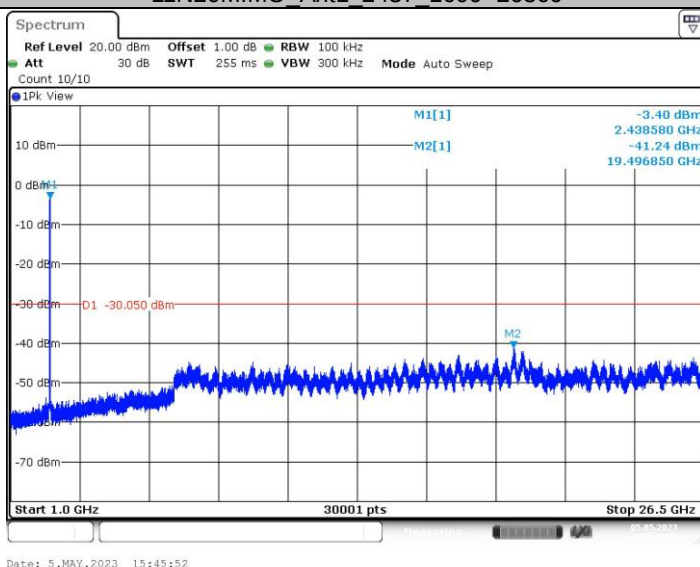
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



11N20MIMO_Ant1_2437_30-1000



11N20MIMO_Ant1_2437_1000-26500



11N20MIMO_Ant2_2437_0-Reference

CTC Laboratories, Inc.

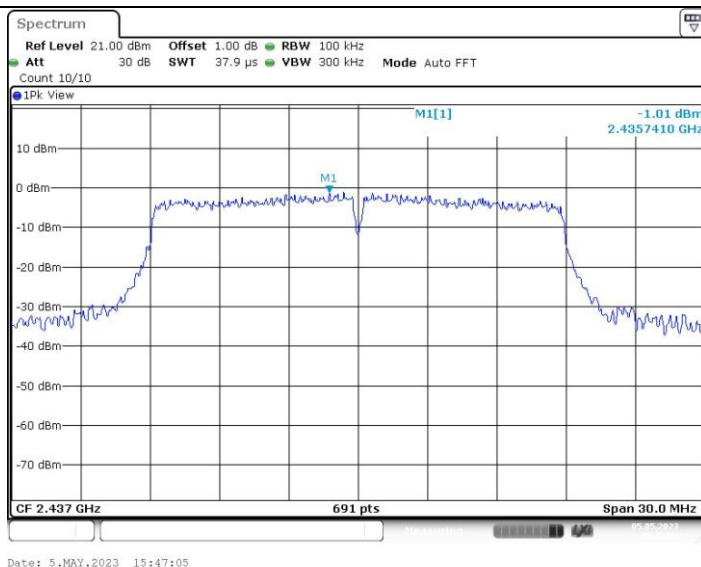
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

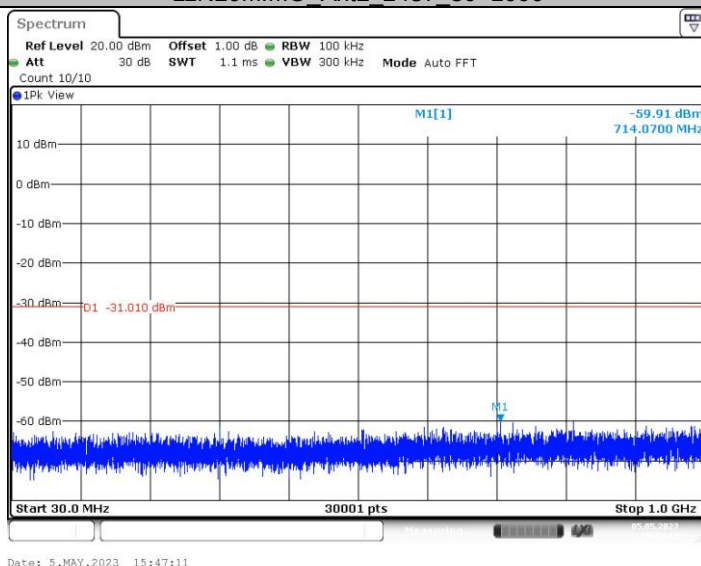
Fax: (86)755-27521011

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

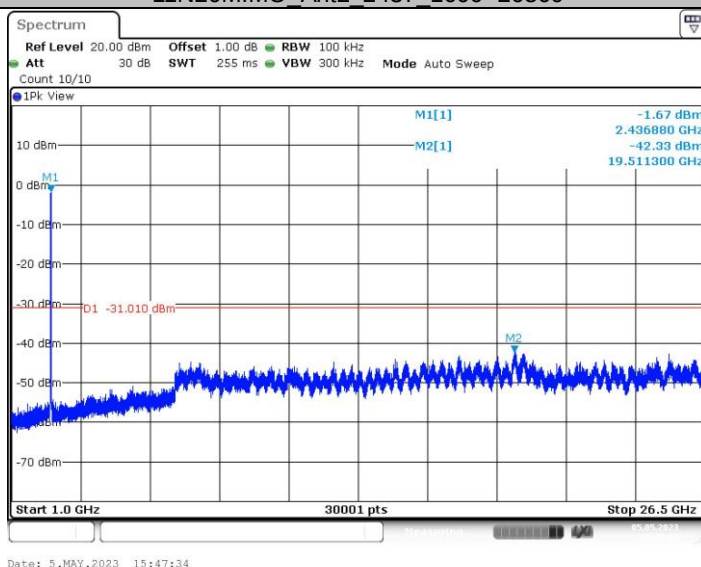
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



11N20MIMO_Ant2_2437_30-1000



11N20MIMO_Ant2_2437_1000-26500



11N20MIMO_Ant1_2462_0-Reference

CTC Laboratories, Inc.

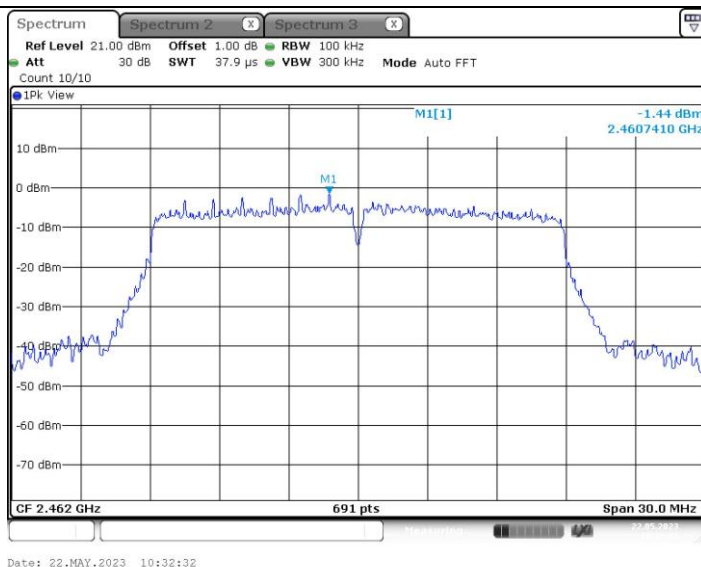
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

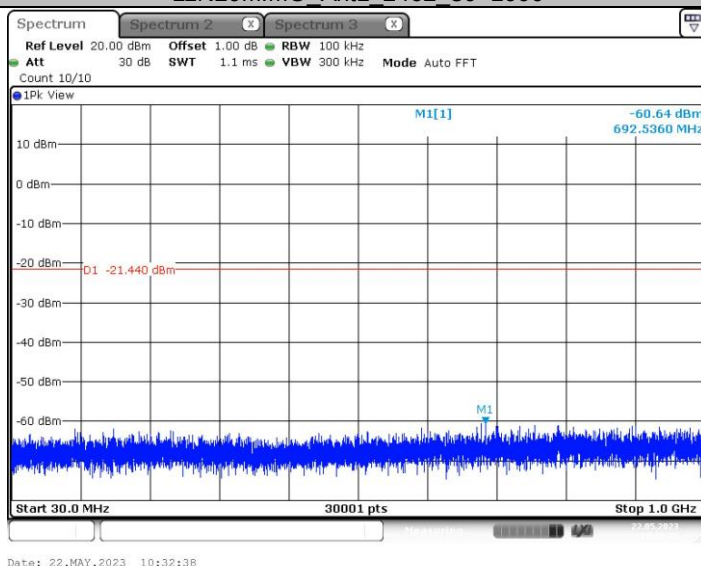
Fax: (86)755-27521011

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

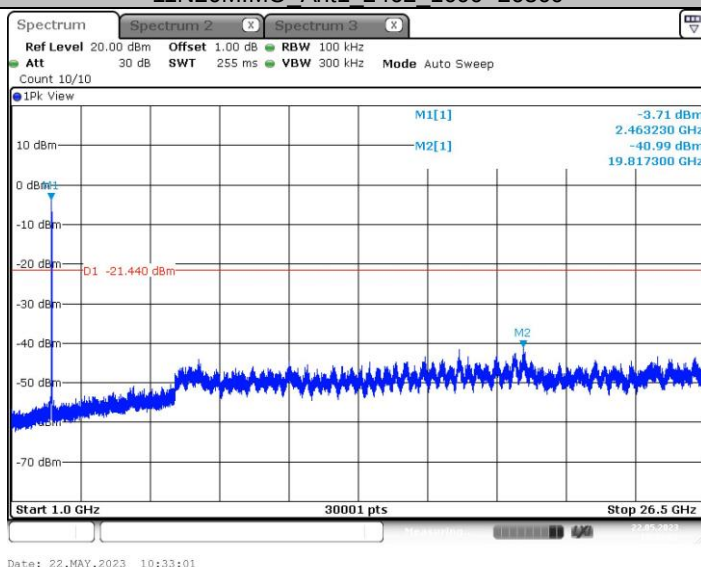
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



11N20MIMO Ant1 2462 30-1000



11N20MIMO Ant1 2462 1000-26500



11N20MIMO Ant2 2462 0-Reference

CTC Laboratories, Inc.

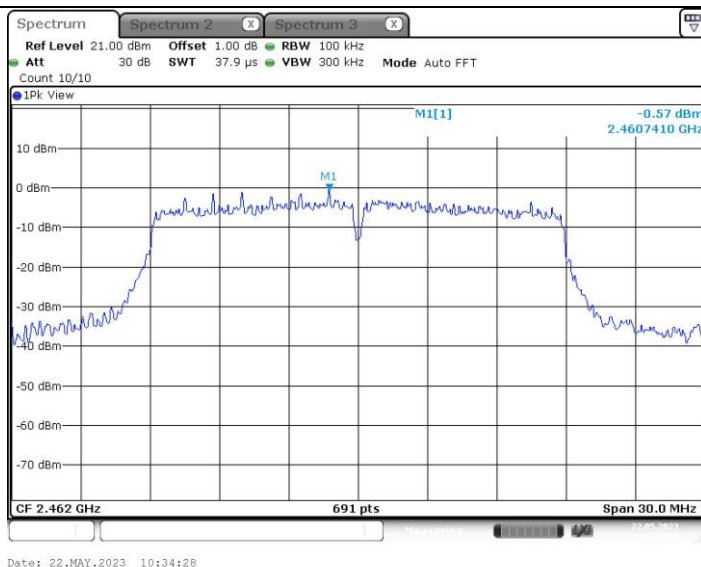
1-2/F, Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

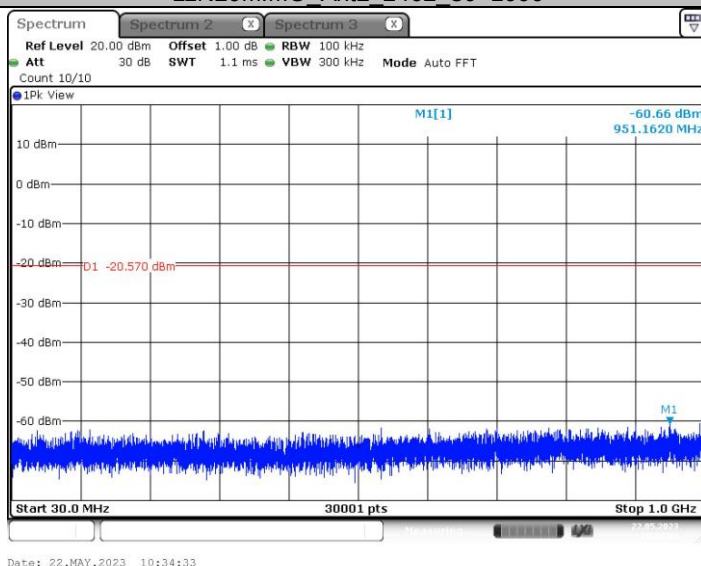
Fax: (86)755-27521011

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

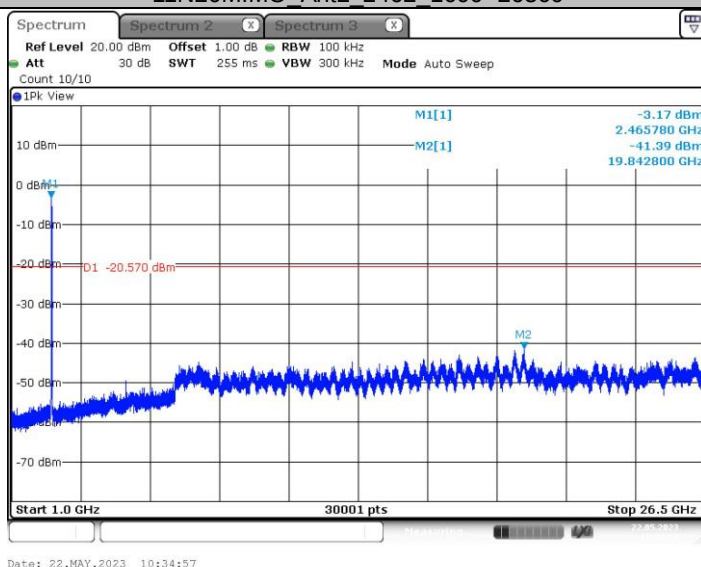
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



11N20MIMO Ant2 2462 30-1000



11N20MIMO Ant2 2462 1000-26500



11N40MIMO Ant1 2422 0-Reference

CTC Laboratories, Inc.

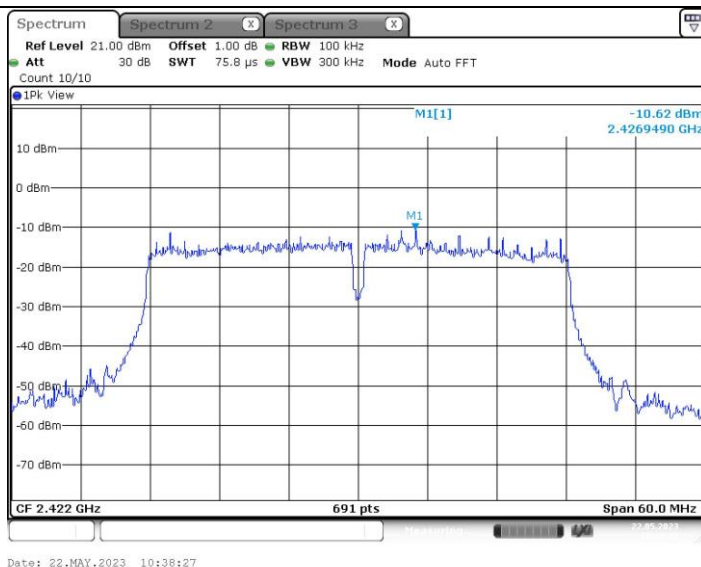
1-2/F, Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

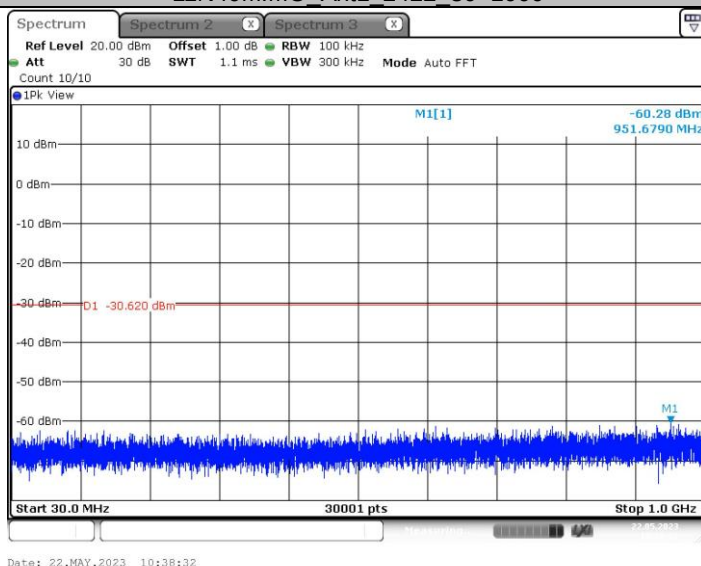
Fax: (86)755-27521011

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

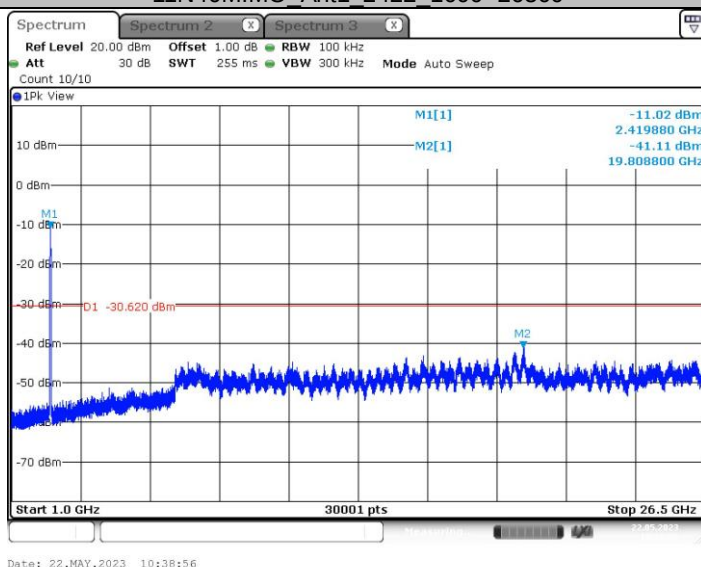
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



11N40MIMO Ant1 2422 30-1000



11N40MIMO Ant1 2422 1000-26500



11N40MIMO Ant2 2422 0-Reference

CTC Laboratories, Inc.

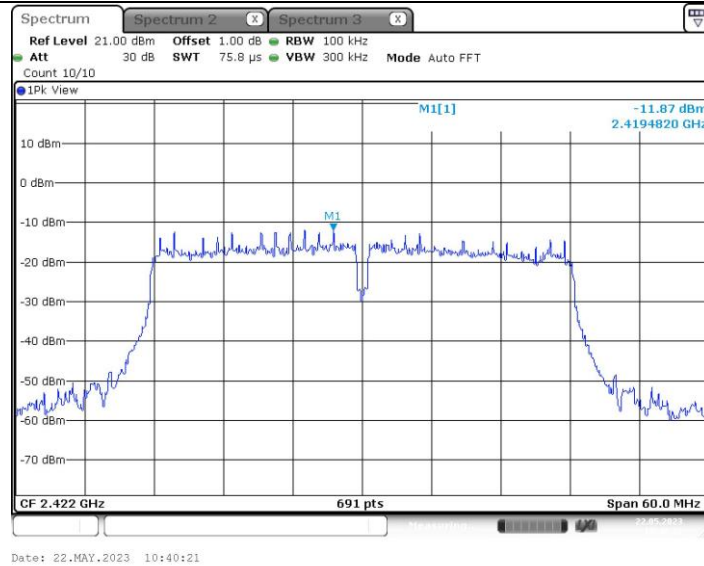
1-2/F, Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

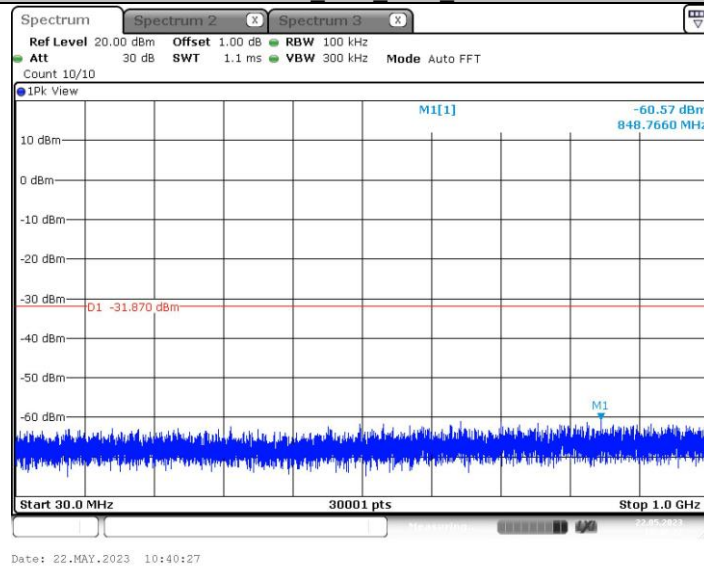
Fax: (86)755-27521011

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

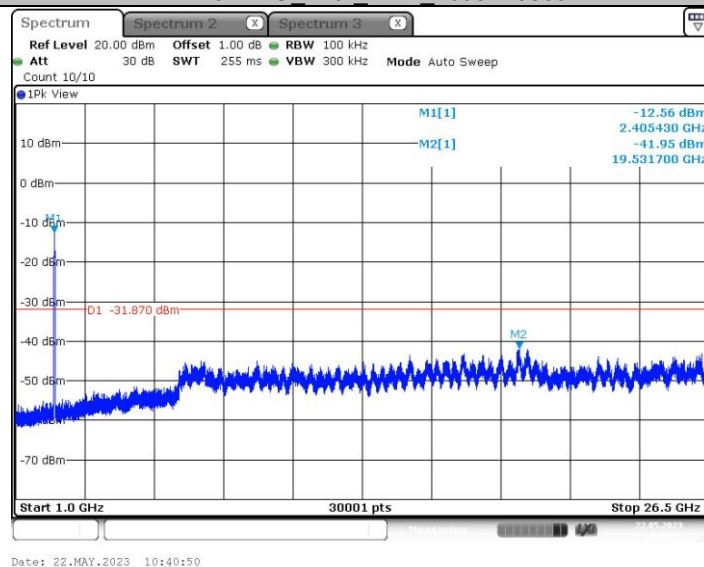
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



11N40MIMO Ant2 2422 30-1000



11N40MIMO Ant2 2422 1000-26500



11N40MIMO Ant1 2437 0-Reference

CTC Laboratories, Inc.

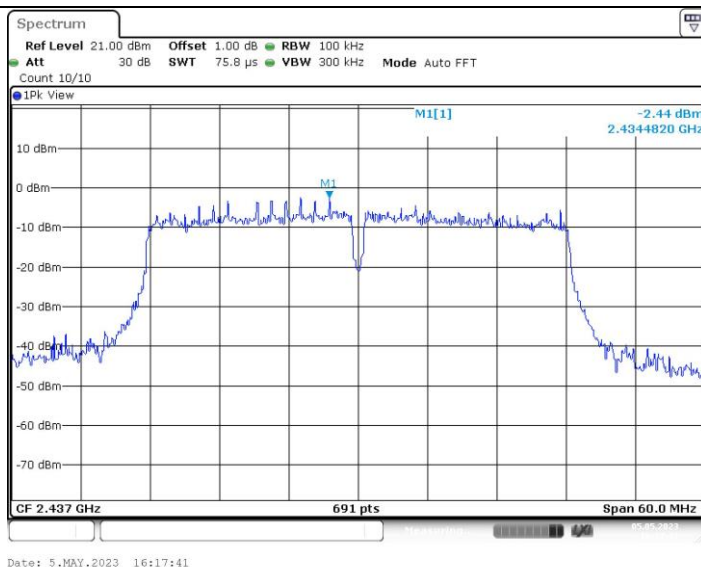
1-2/F, Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

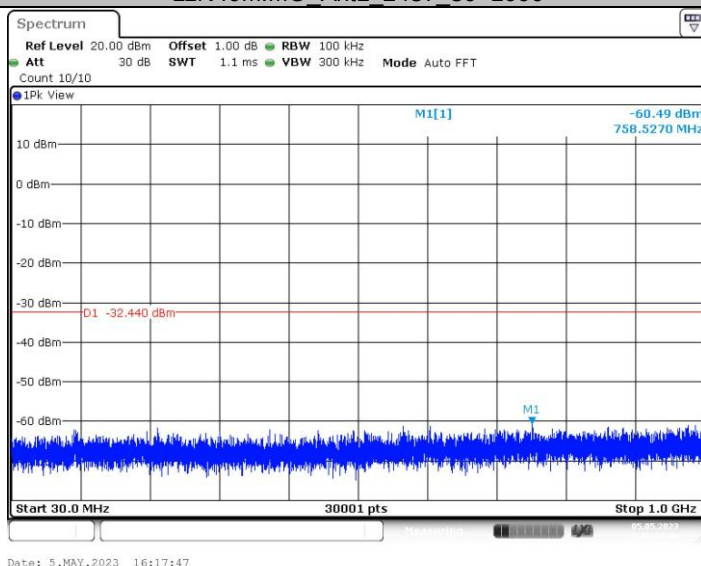
Fax: (86)755-27521011

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

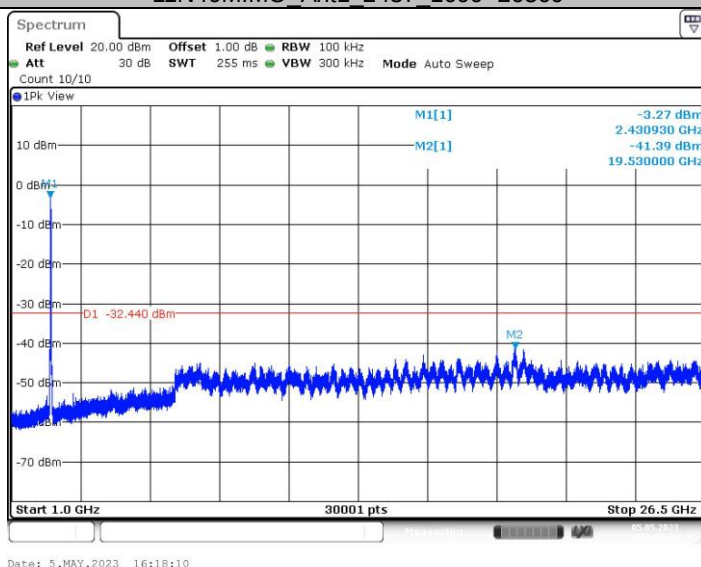
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



11N40MIMO_Ant1_2437_30-1000



11N40MIMO_Ant1_2437_1000-26500



11N40MIMO_Ant2_2437_0-Reference

CTC Laboratories, Inc.

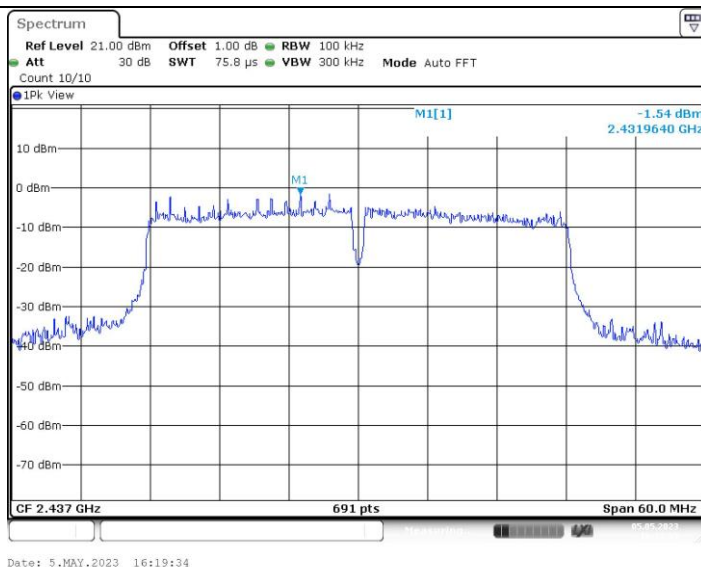
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

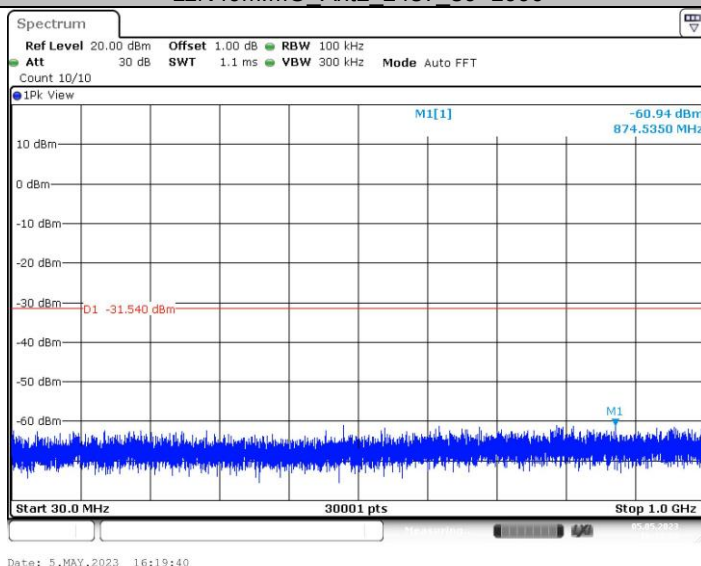
Fax: (86)755-27521011

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

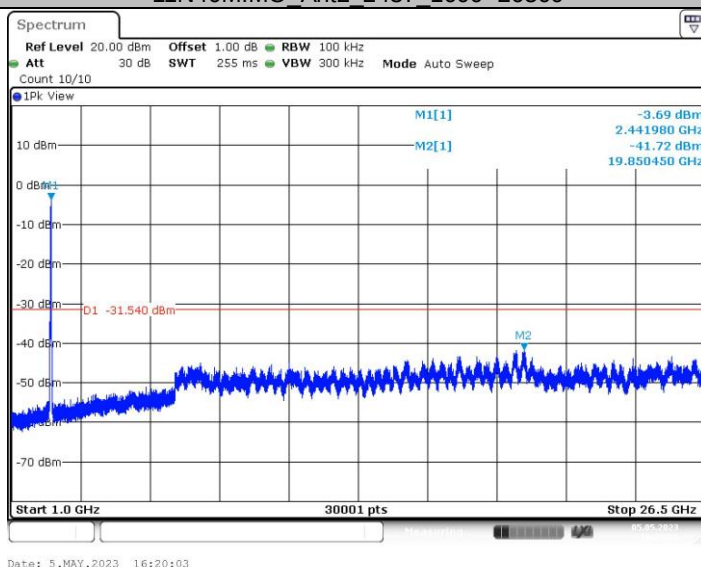
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



11N40MIMO_Ant2_2437_30-1000



11N40MIMO_Ant2_2437_1000-26500



11N40MIMO_Ant1_2452_0-Reference

CTC Laboratories, Inc.

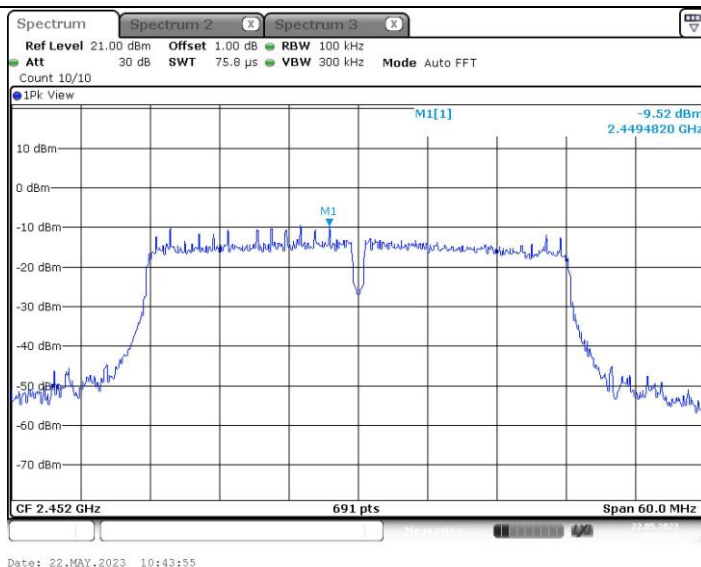
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

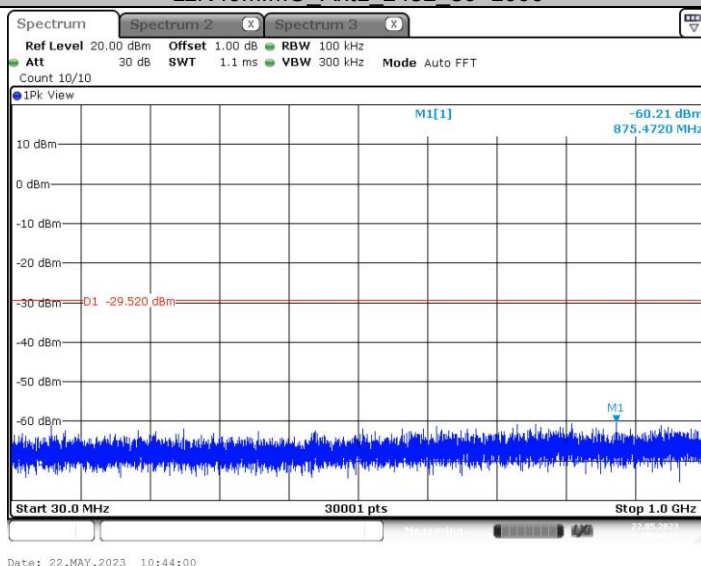
Fax: (86)755-27521011

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

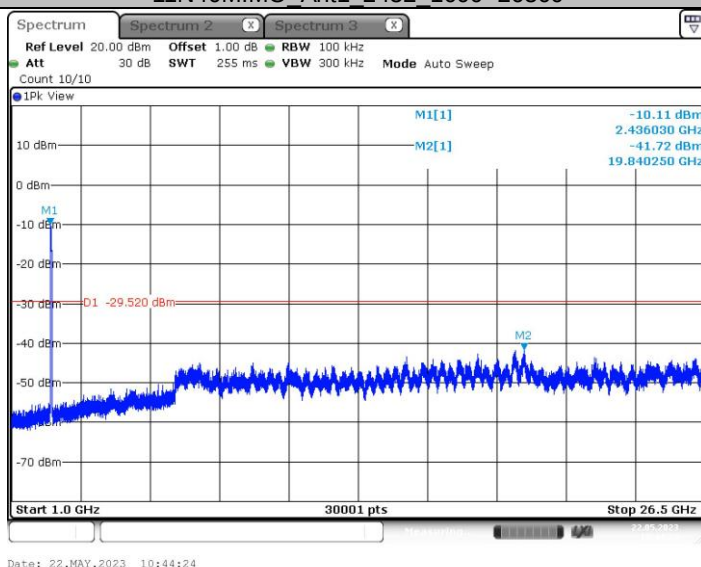
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



11N40MIMO Ant1 2452 30-1000



11N40MIMO Ant1 2452 1000-26500



11N40MIMO Ant2 2452 0-Reference

CTC Laboratories, Inc.

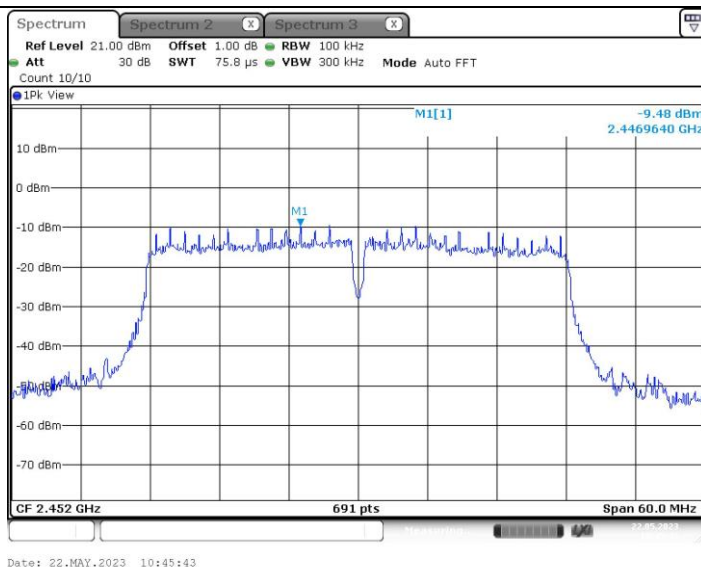
1-2/F, Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

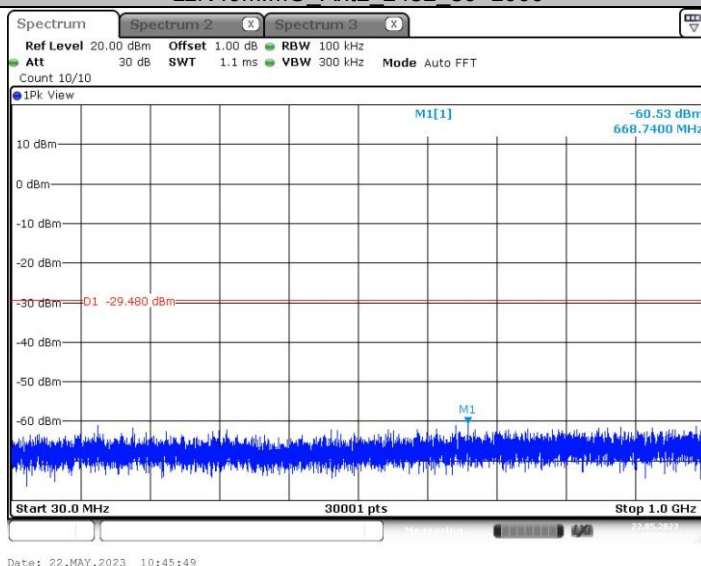
Fax: (86)755-27521011

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

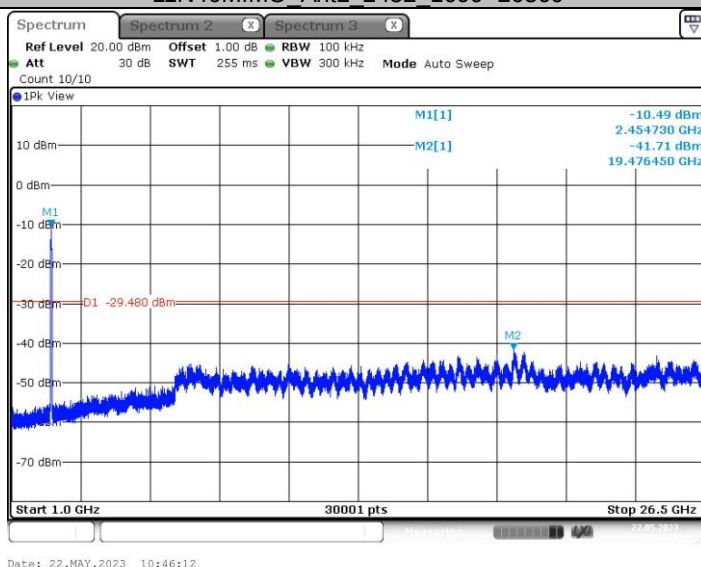
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



11N40MIMO Ant2 2452 30-1000



11N40MIMO Ant2 2452 1000-26500



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



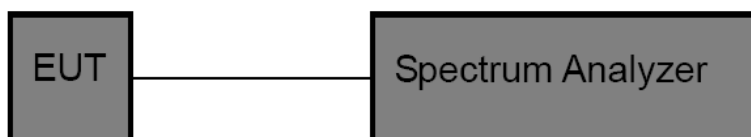
3.5. Bandwidth

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**

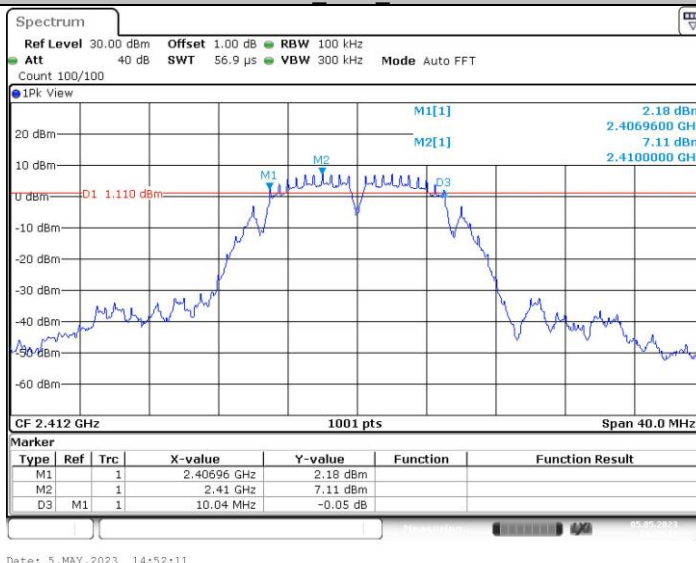
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.04	2406.96	2417.00	0.5	PASS
	Ant2	2412	10.04	2406.96	2417.00	0.5	PASS
	Ant1	2437	10.04	2431.96	2442.00	0.5	PASS
	Ant2	2437	10.08	2431.96	2442.04	0.5	PASS
	Ant1	2462	10.04	2456.96	2467.00	0.5	PASS
	Ant2	2462	10.08	2456.96	2467.04	0.5	PASS
11G	Ant1	2412	15.92	2403.84	2419.76	0.5	PASS
	Ant2	2412	16.04	2403.84	2419.88	0.5	PASS
	Ant1	2437	16.28	2428.84	2445.12	0.5	PASS
	Ant2	2437	16.04	2428.84	2444.88	0.5	PASS
	Ant1	2462	16.32	2453.84	2470.16	0.5	PASS
	Ant2	2462	16.32	2453.84	2470.16	0.5	PASS
11N20MIMO	Ant1	2412	16.64	2403.48	2420.12	0.5	PASS
	Ant2	2412	17.08	2403.44	2420.52	0.5	PASS
	Ant1	2437	17.56	2428.20	2445.76	0.5	PASS
	Ant2	2437	16.92	2428.48	2445.40	0.5	PASS
	Ant1	2462	17.08	2453.44	2470.52	0.5	PASS
	Ant2	2462	17.56	2453.20	2470.76	0.5	PASS
11N40MIMO	Ant1	2422	35.52	2404.08	2439.60	0.5	PASS
	Ant2	2422	35.92	2403.84	2439.76	0.5	PASS
	Ant1	2437	35.12	2419.40	2454.52	0.5	PASS
	Ant2	2437	35.20	2419.40	2454.60	0.5	PASS
	Ant1	2452	36.08	2433.84	2469.92	0.5	PASS
	Ant2	2452	35.76	2433.84	2469.60	0.5	PASS

**Occupied Channel Bandwidth Test Result**

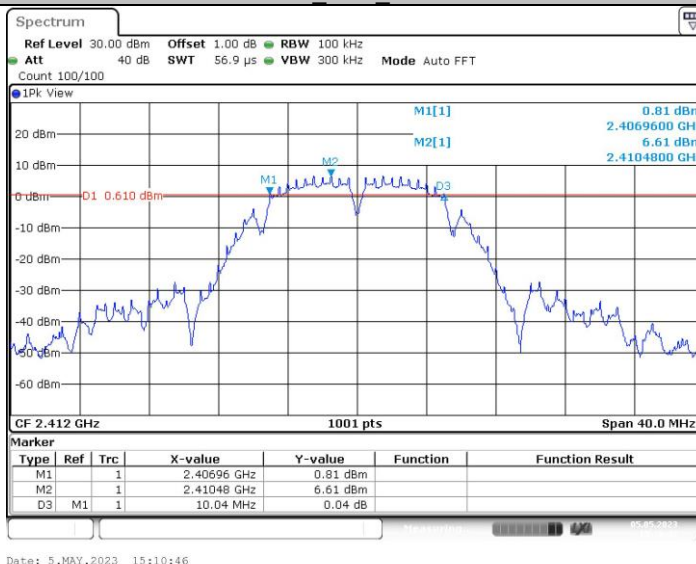
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.268	2405.846	2418.114	---	PASS
	Ant2	2412	12.428	2405.766	2418.194	---	PASS
	Ant1	2437	12.228	2430.846	2443.074	---	PASS
	Ant2	2437	12.547	2430.646	2443.194	---	PASS
	Ant1	2462	12.268	2455.806	2468.074	---	PASS
	Ant2	2462	12.468	2455.726	2468.194	---	PASS
11G	Ant1	2412	16.983	2403.528	2420.511	---	PASS
	Ant2	2412	17.183	2403.489	2420.671	---	PASS
	Ant1	2437	16.943	2428.528	2445.472	---	PASS
	Ant2	2437	17.223	2428.289	2445.511	---	PASS
	Ant1	2462	17.183	2453.409	2470.591	---	PASS
	Ant2	2462	17.423	2453.169	2470.591	---	PASS
11N20MIMO	Ant1	2412	18.062	2402.809	2420.871	---	PASS
	Ant2	2412	17.782	2403.089	2420.871	---	PASS
	Ant1	2437	17.902	2428.049	2445.951	---	PASS
	Ant2	2437	17.862	2428.049	2445.911	---	PASS
	Ant1	2462	17.982	2452.969	2470.951	---	PASS
	Ant2	2462	17.902	2453.009	2470.911	---	PASS
11N40MIMO	Ant1	2422	36.204	2403.778	2439.982	---	PASS
	Ant2	2422	36.204	2403.858	2440.062	---	PASS
	Ant1	2437	36.124	2418.858	2454.982	---	PASS
	Ant2	2437	36.204	2418.858	2455.062	---	PASS
	Ant1	2452	36.204	2433.778	2469.982	---	PASS
	Ant2	2452	36.444	2433.618	2470.062	---	PASS

**DTS Bandwidth Test Graphs**

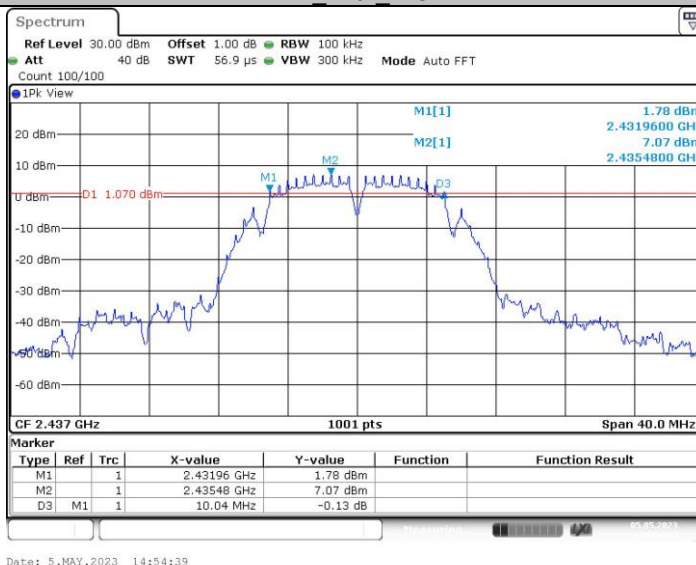
11B_Ant1_2412



11B_Ant2_2412



11B_Ant1_2437



11B_Ant2_2437

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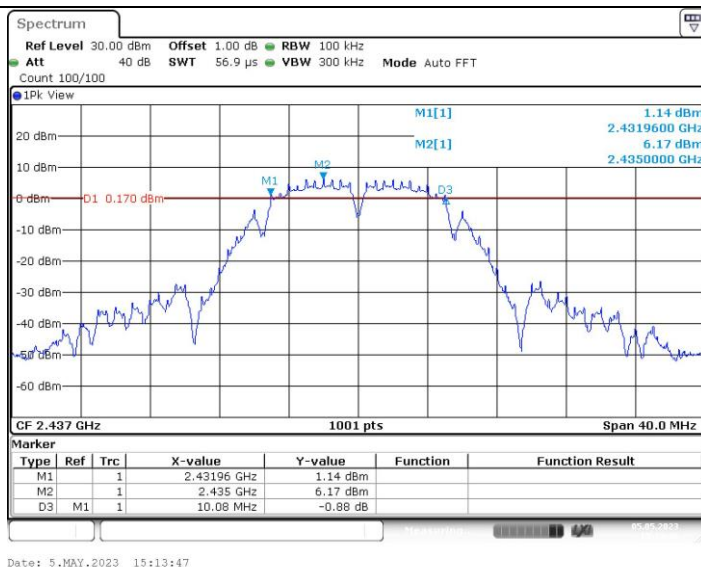
Tel.: (86)755-27521059

Fax: (86)755-27521011

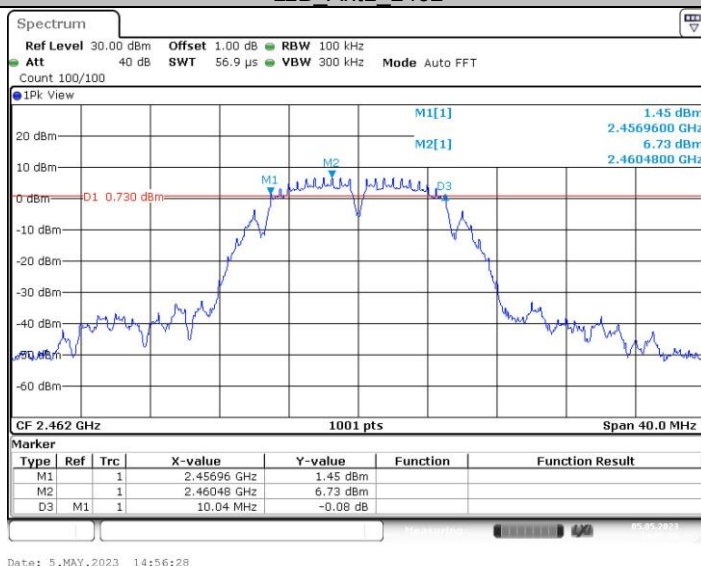
Http://www.sz-ctc.org.cn



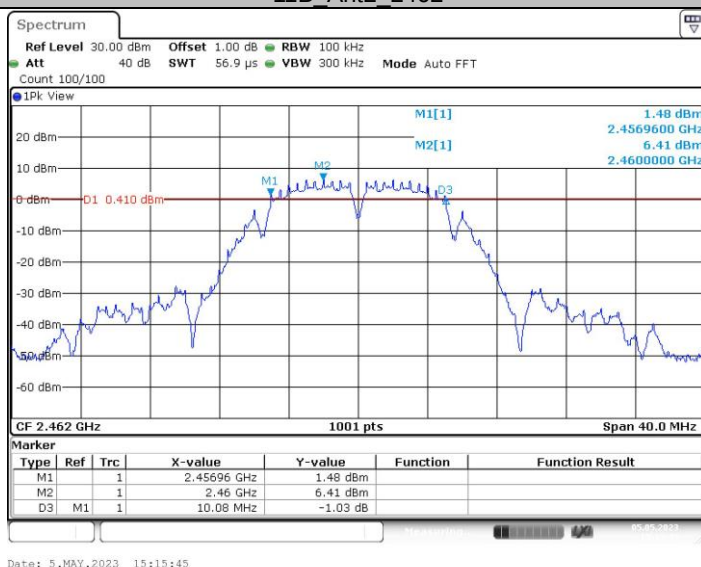
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11B_Ant1_2462



11B_Ant2_2462



11G_Ant1_2412

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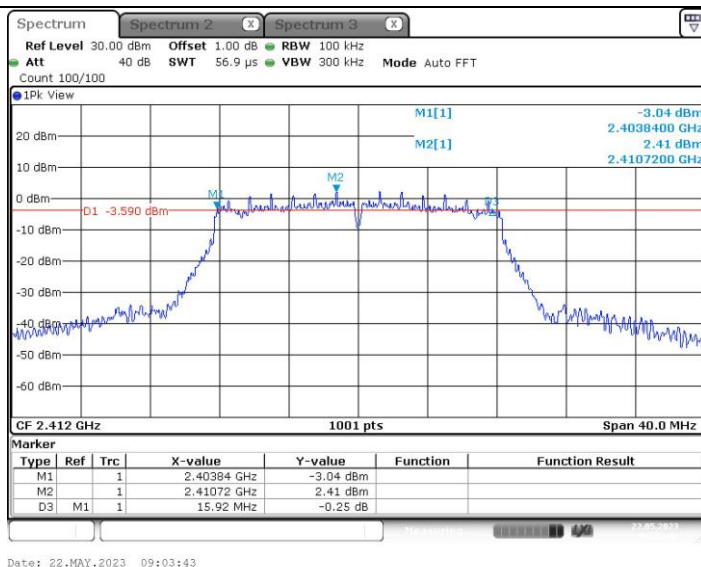
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

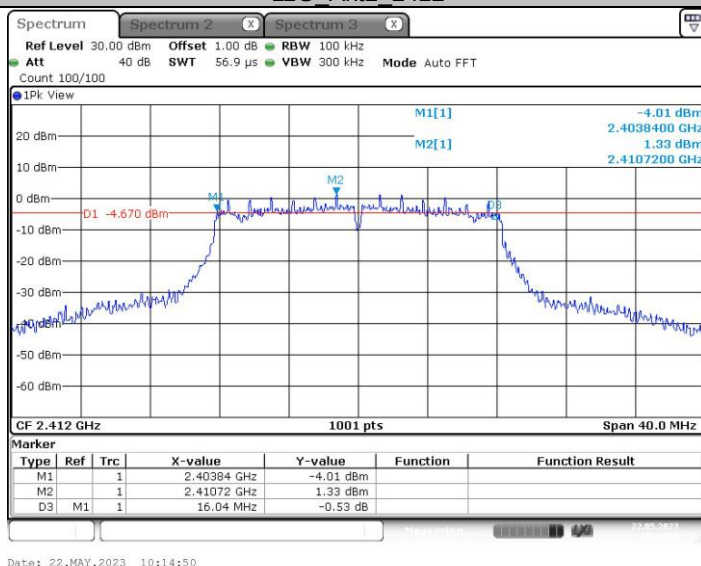
Fax: (86)755-27521011

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

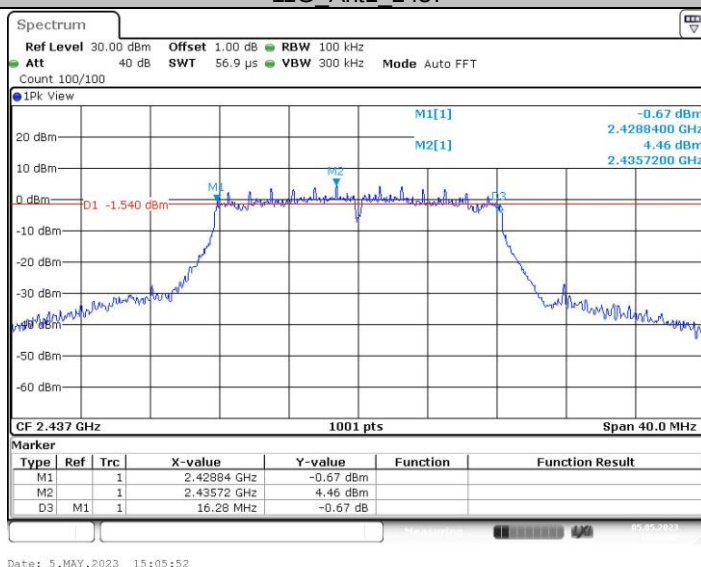
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11G_Ant2_2412



11G_Ant1_2437



11G_Ant2_2437

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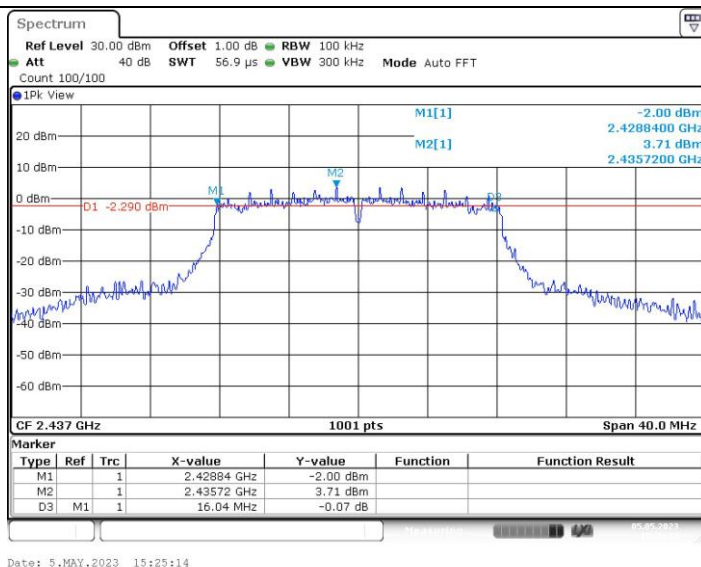
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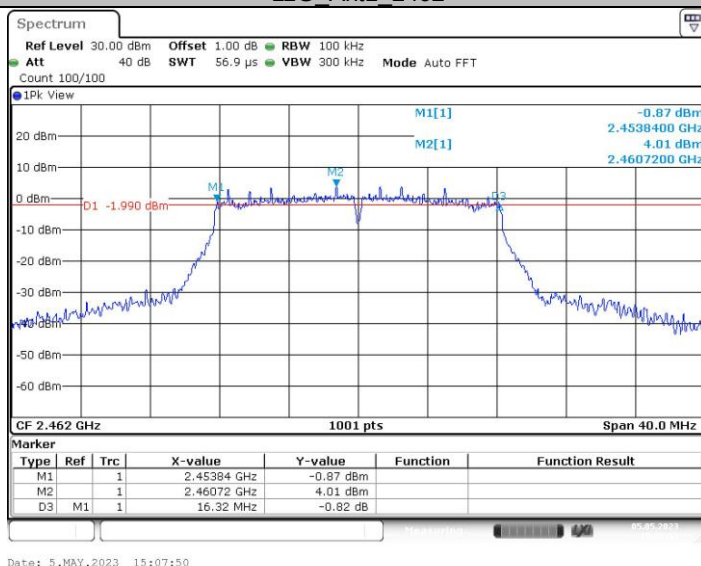
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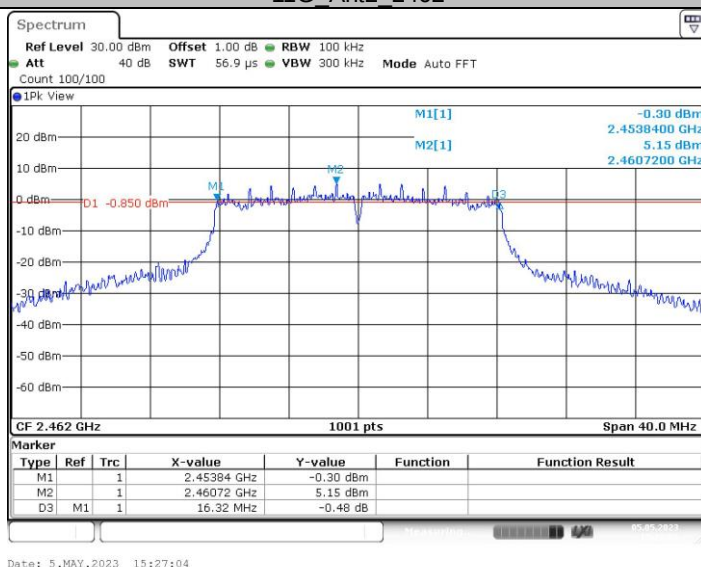
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11G_Ant1_2462



11G_Ant2_2462



11N20MIMO_Ant1_2412

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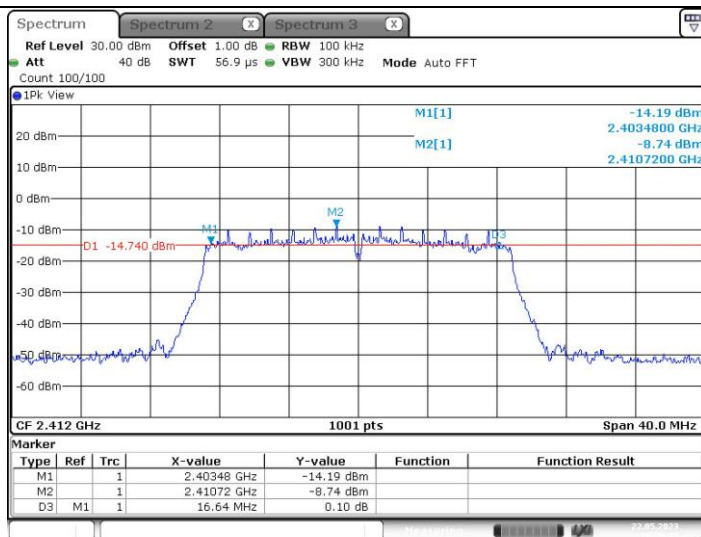
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Tel.: (86)755-27521059

Fax: (86)755-27521011

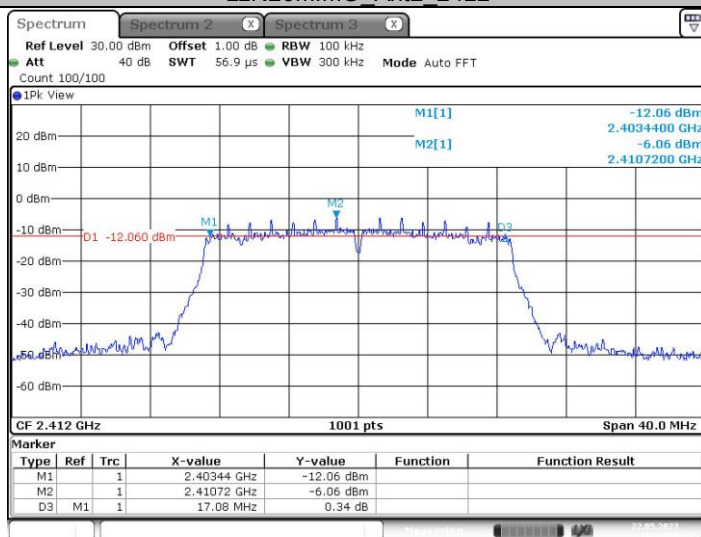
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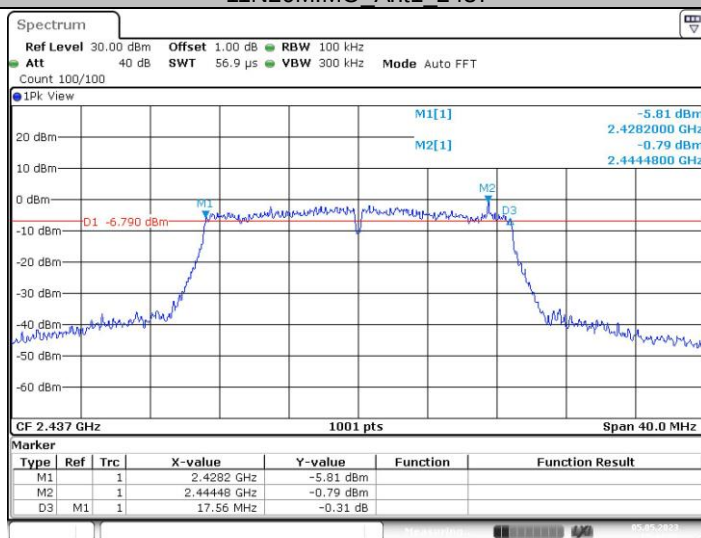
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11N20MIMO_Ant2_2412



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11N20MIMO_Ant2_2437

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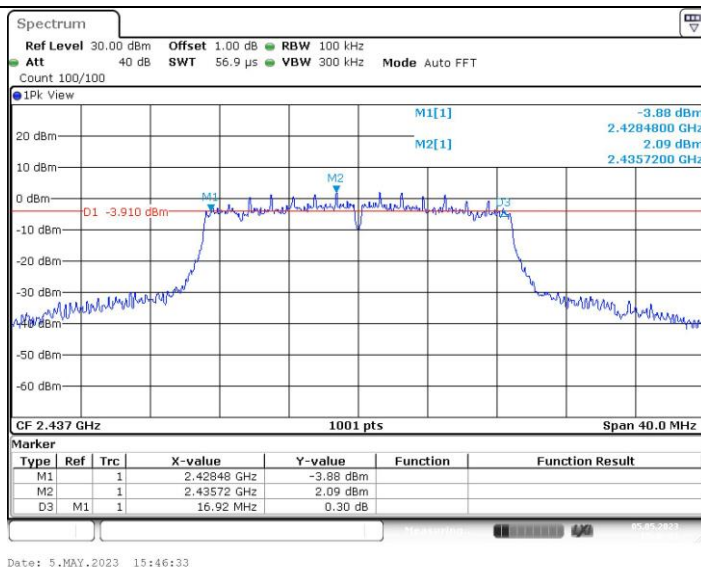
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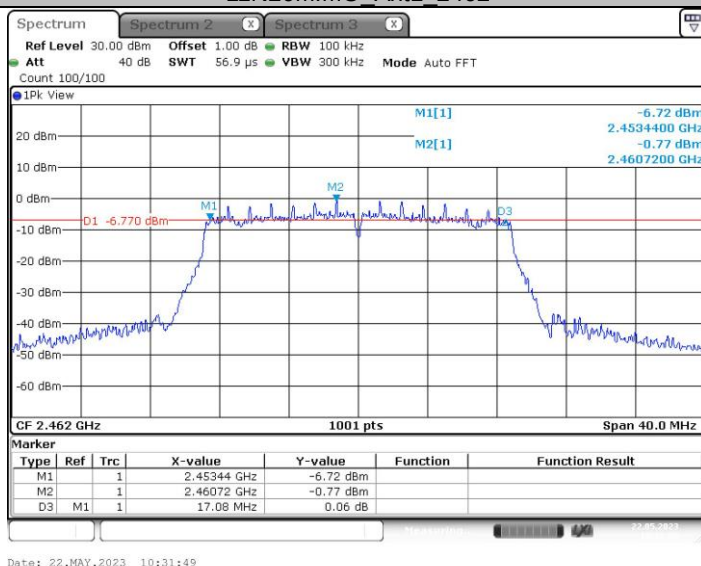
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Http://www.sz-ctc.org.cn

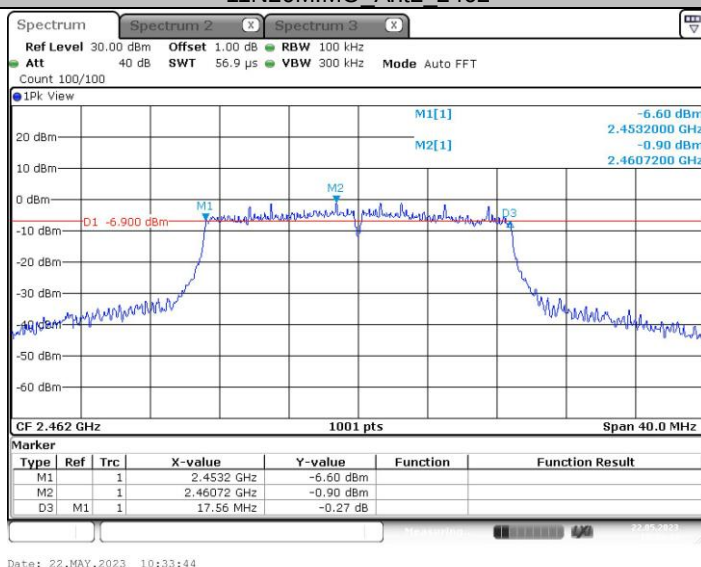
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11N20MIMO_Ant1_2462



11N20MIMO_Ant2_2462



11N40MIMO_Ant1_2422

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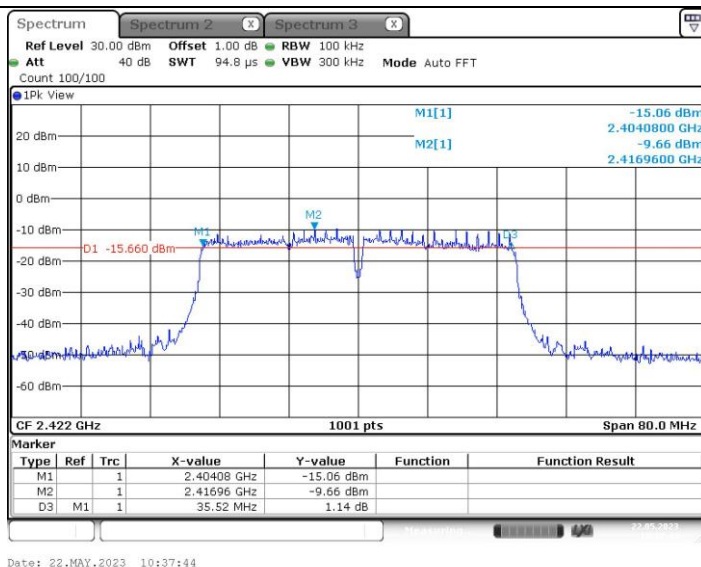
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Tel.: (86)755-27521059

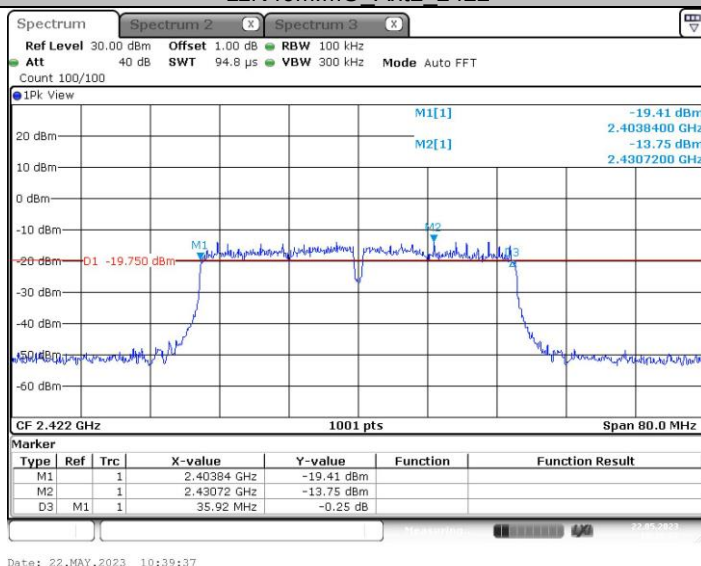
Fax: (86)755-27521011

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

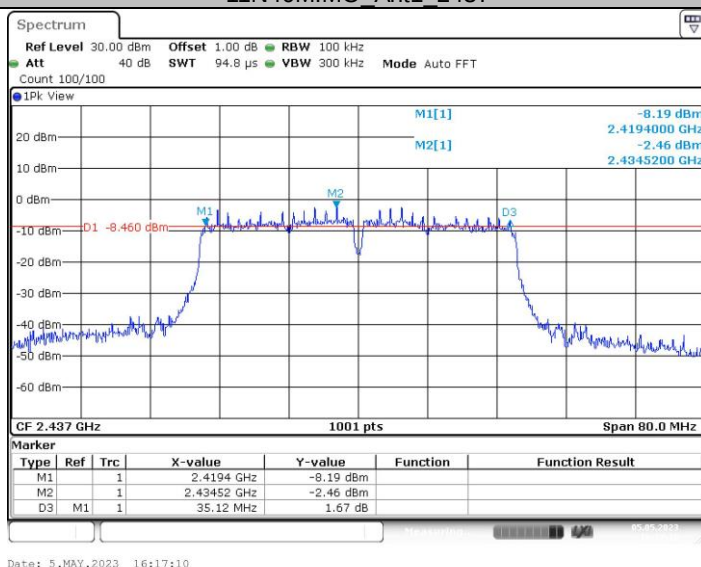
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11N40MIMO_Ant2_2422



11N40MIMO_Ant1_2437



11N40MIMO_Ant2_2437

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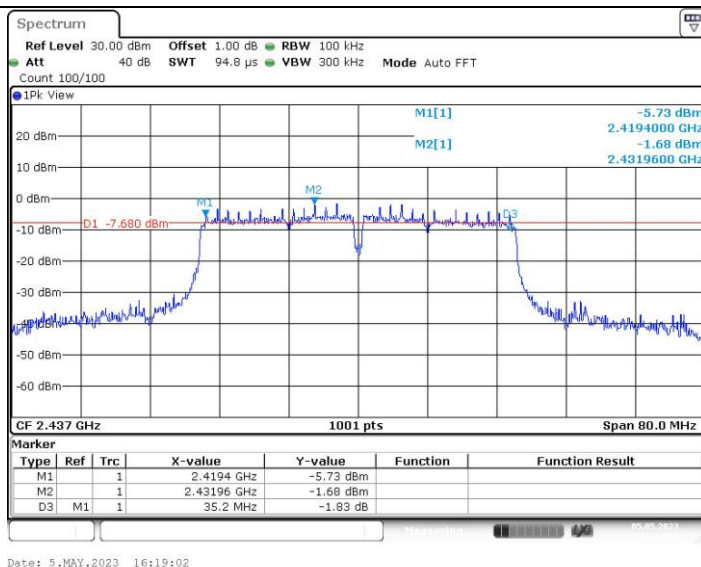
1-2/F, Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

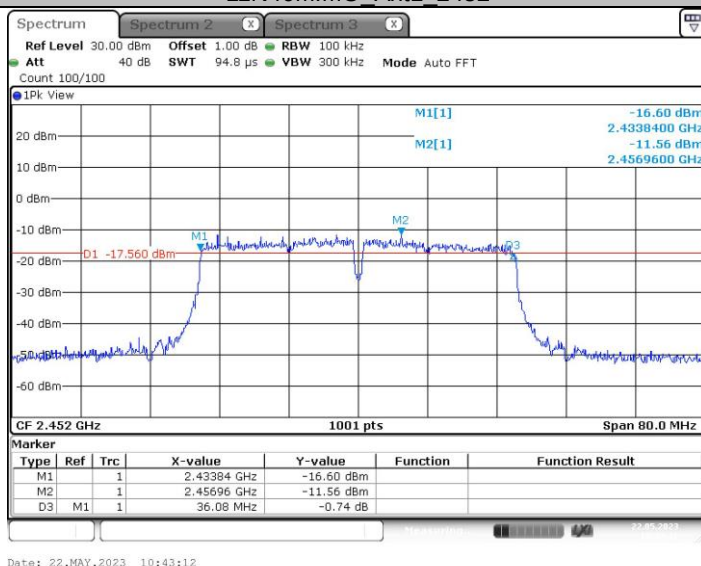
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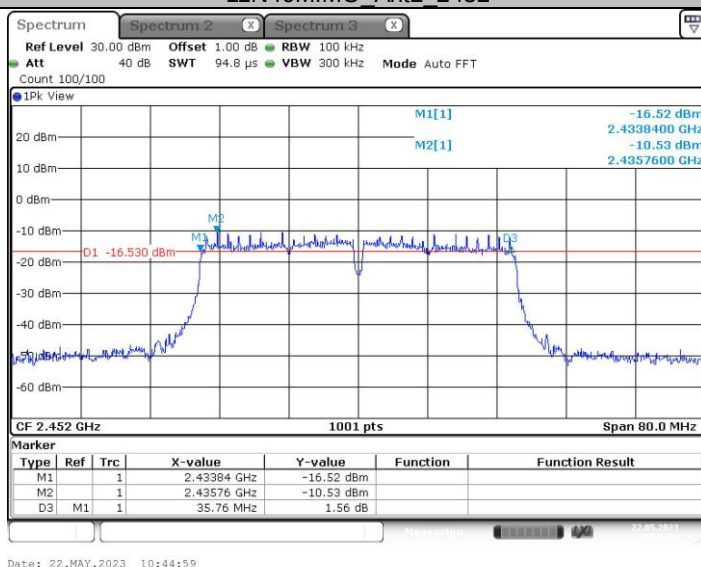
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11N40MIMO_Ant1_2452



11N40MIMO_Ant2_2452



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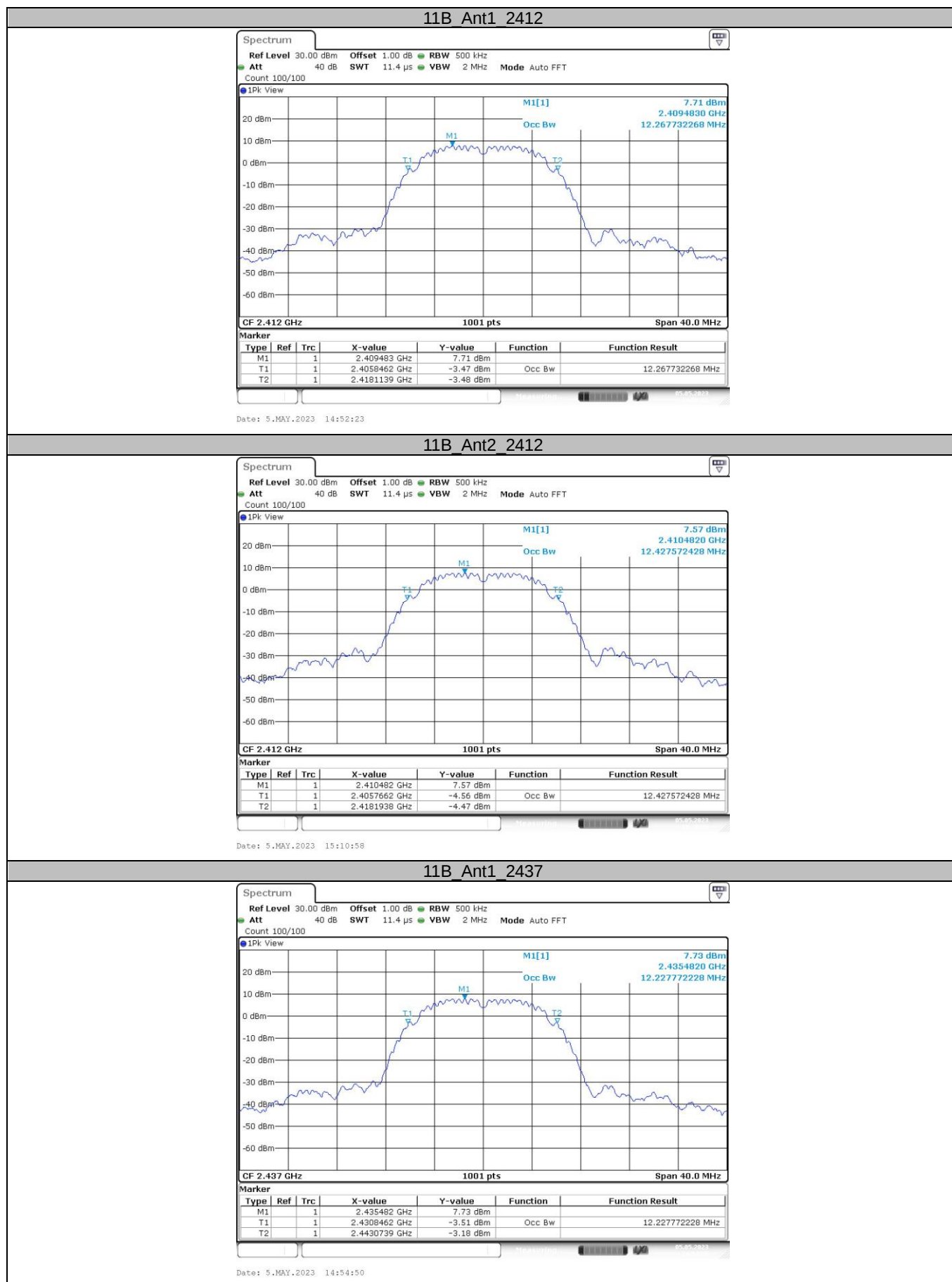
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Occupied Channel Bandwidth Test Result



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