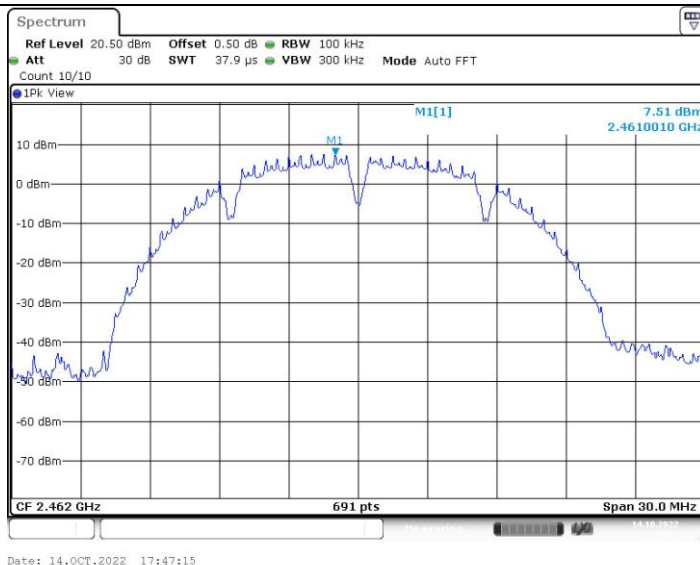
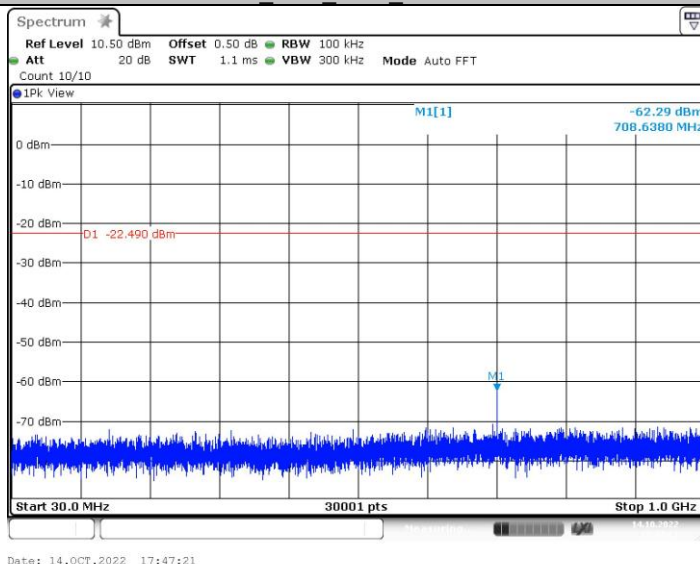
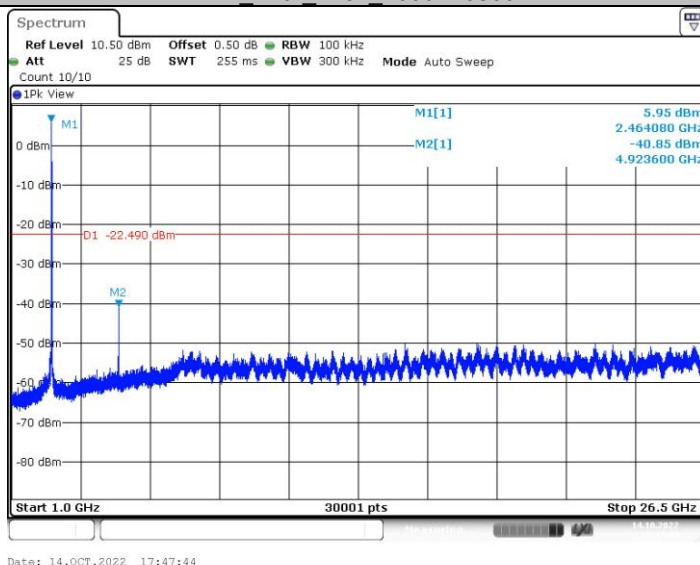




11B_Ant2_2462_30~1000



11B_Ant2_2462_1000~26500



11G_Ant1_2412_0~Reference

CTC Laboratories, Inc.

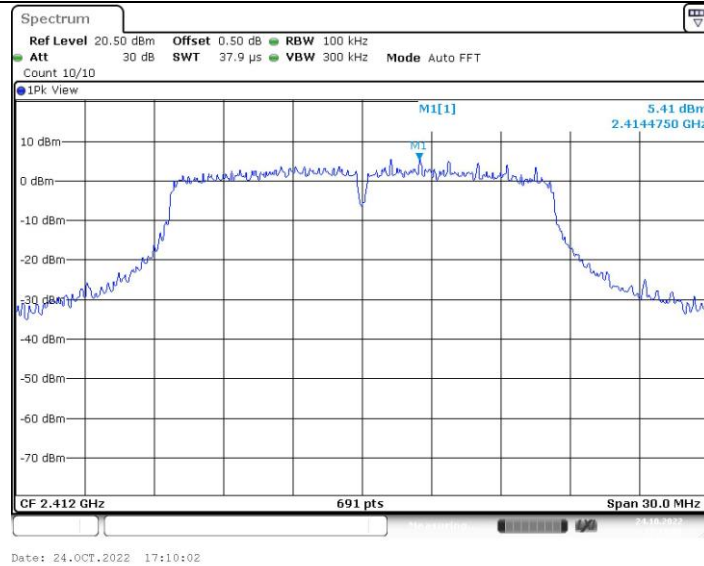
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

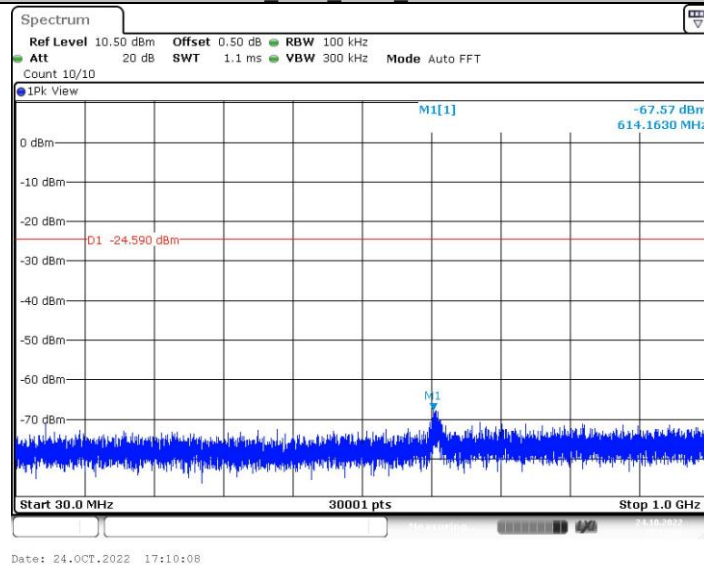
Fax: (86)755-27521011

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

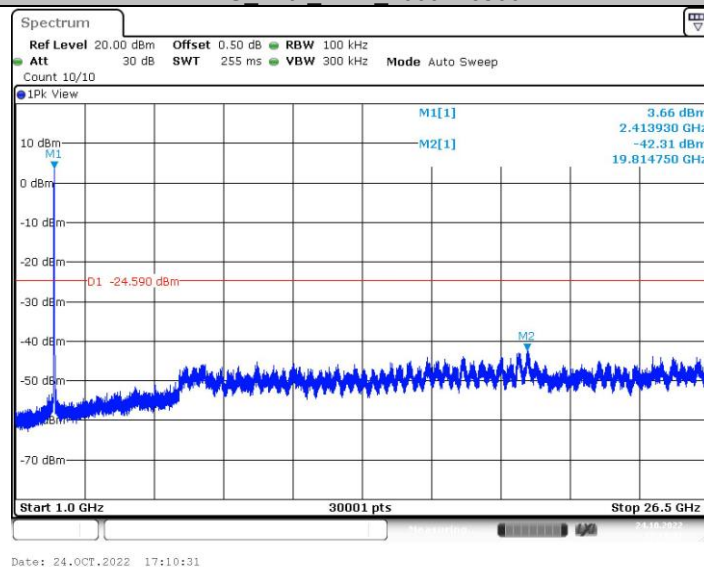
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



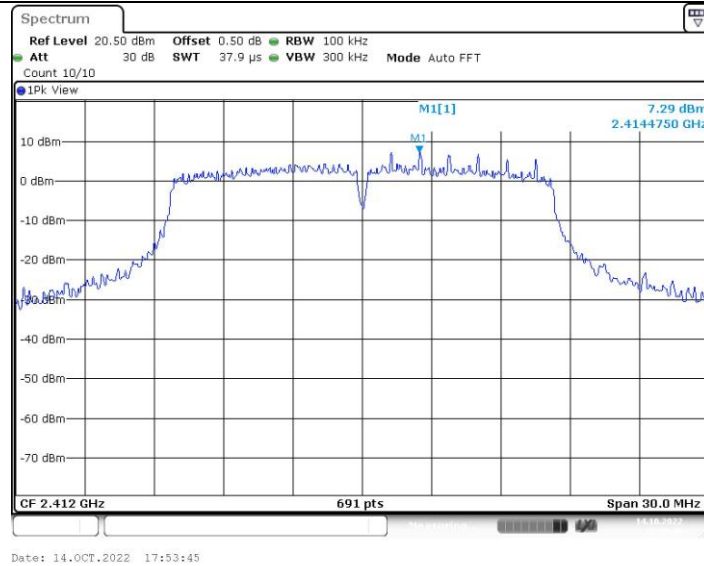
11G_Ant1_2412_30~1000



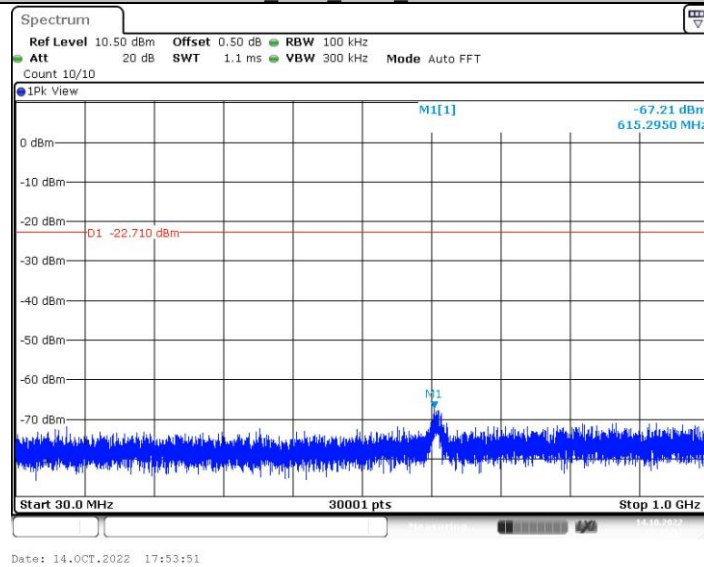
11G_Ant1_2412_1000~26500



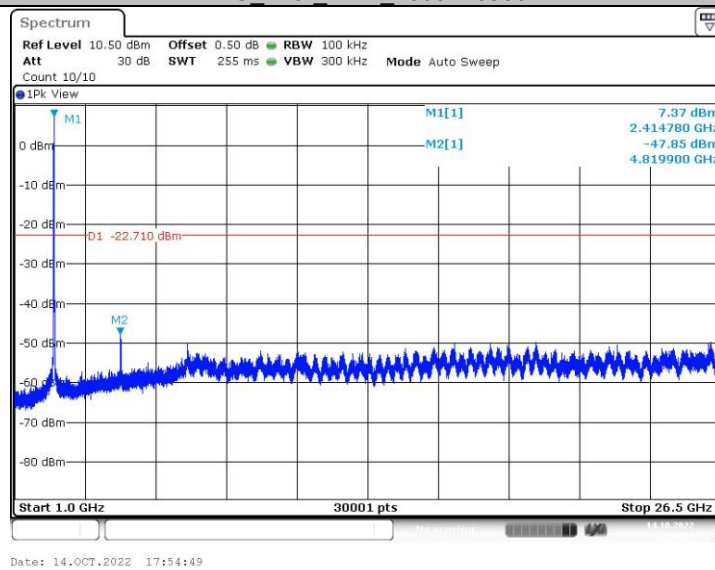
11G_Ant2_2412_0~Reference



11G_Ant2_2412_30~1000



11G_Ant2_2412_1000~26500



11G_Ant1_2437_0~Reference

CTC Laboratories, Inc.

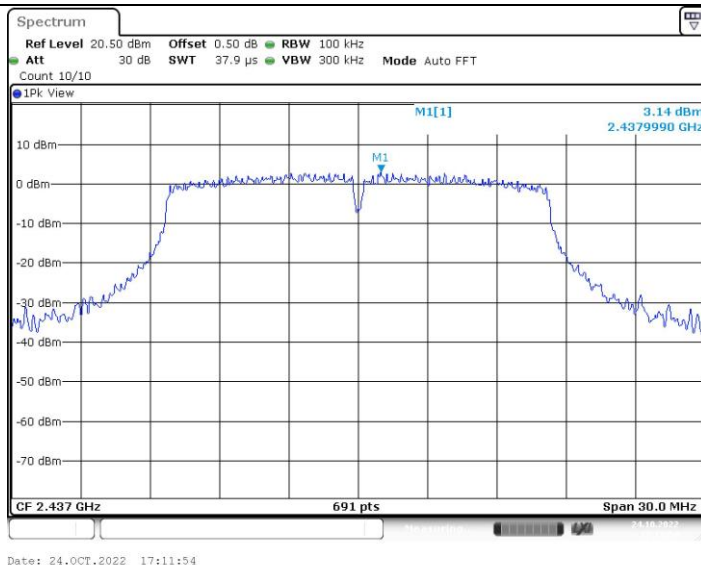
1-2/F, Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

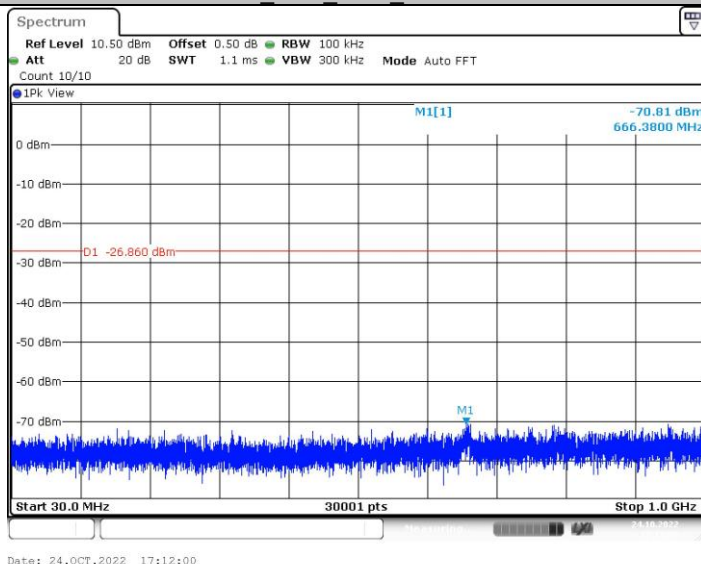
Fax: (86)755-27521011

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

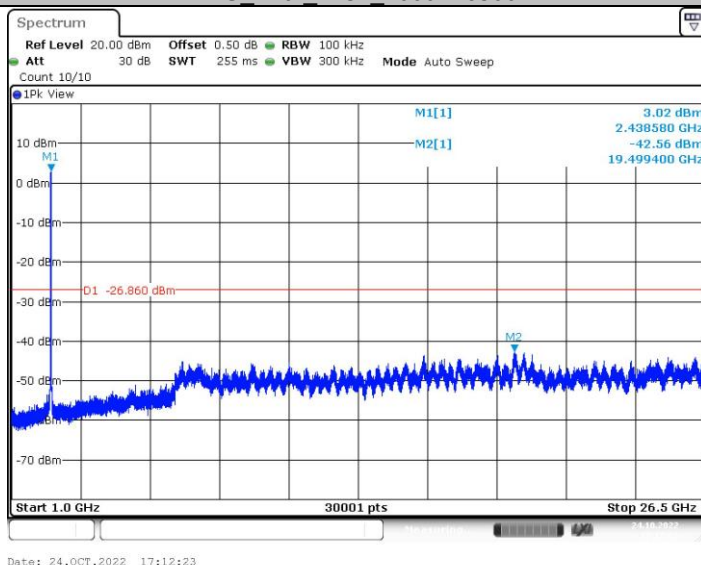
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500



11G_Ant2_2437_0~Reference

CTC Laboratories, Inc.

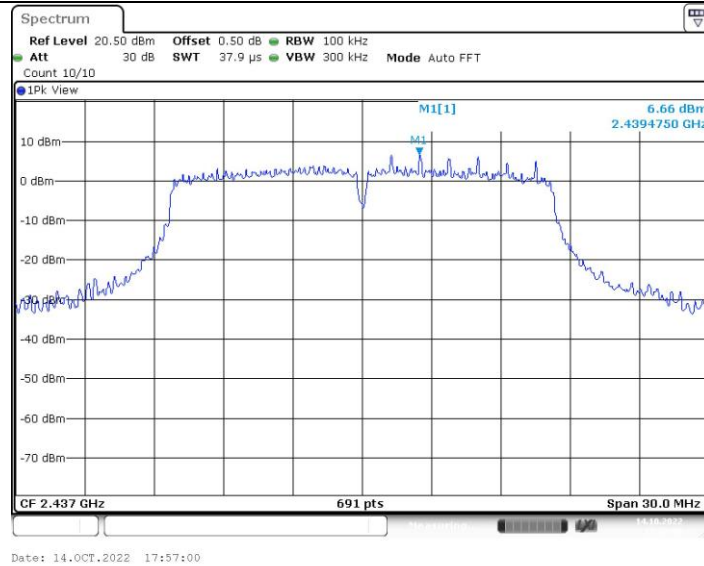
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

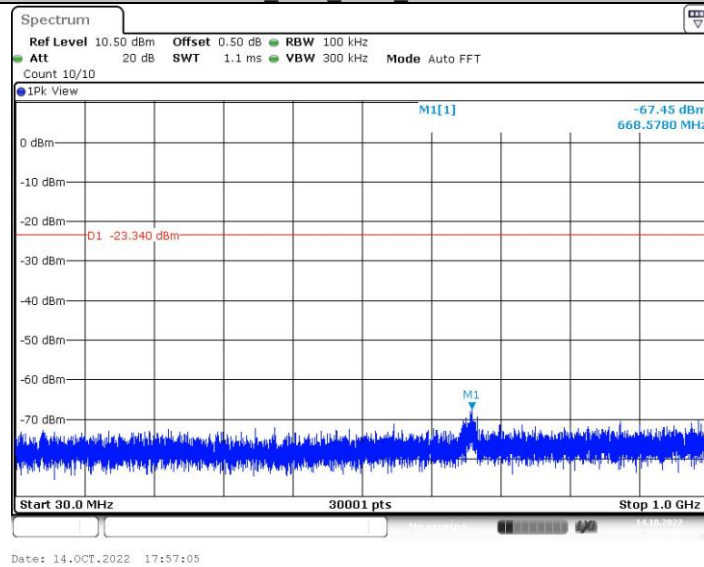
Fax: (86)755-27521011

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

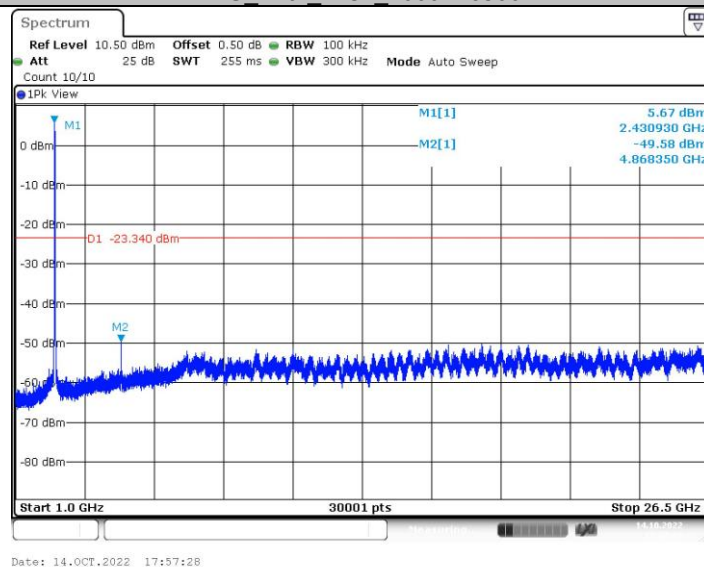
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



11G_Ant2_2437_30~1000



11G_Ant2_2437_1000~26500



11G_Ant1_2462_0~Reference

CTC Laboratories, Inc.

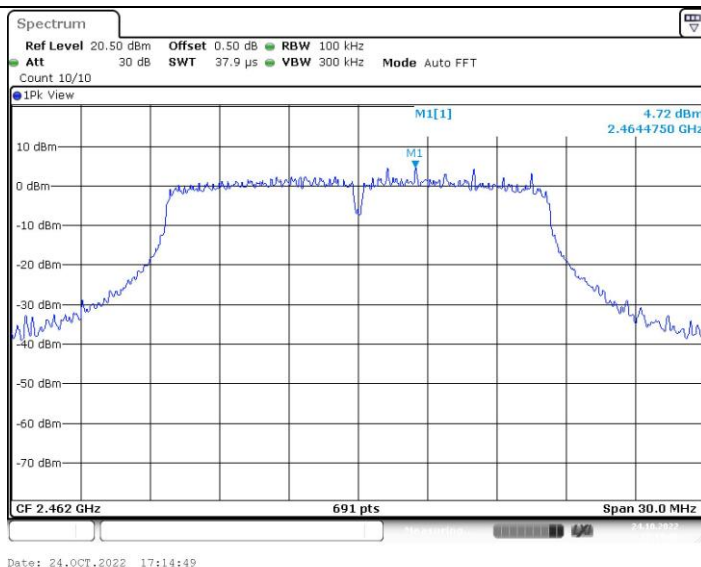
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

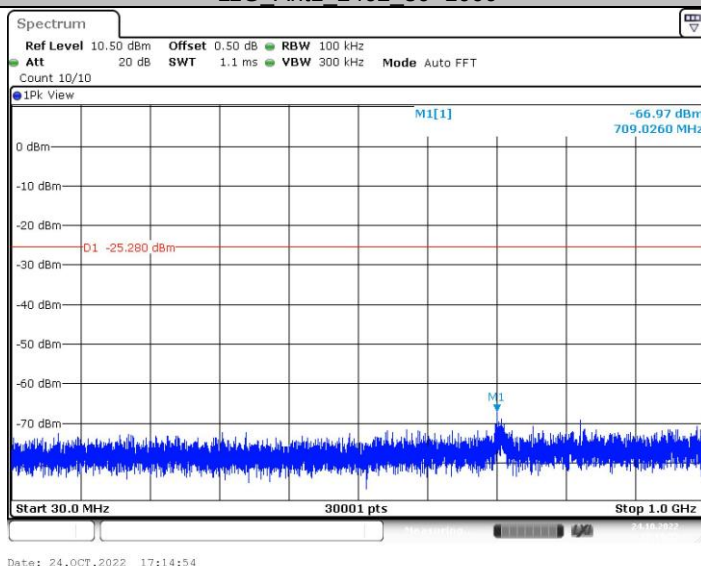
Fax: (86)755-27521011

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

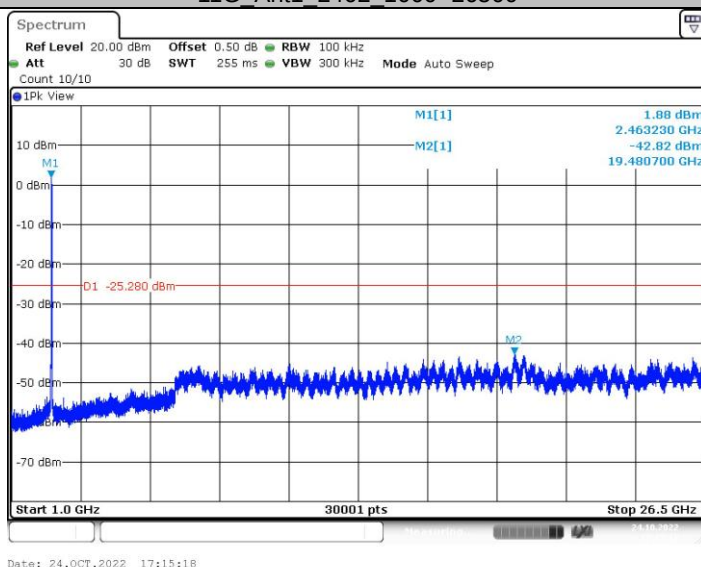
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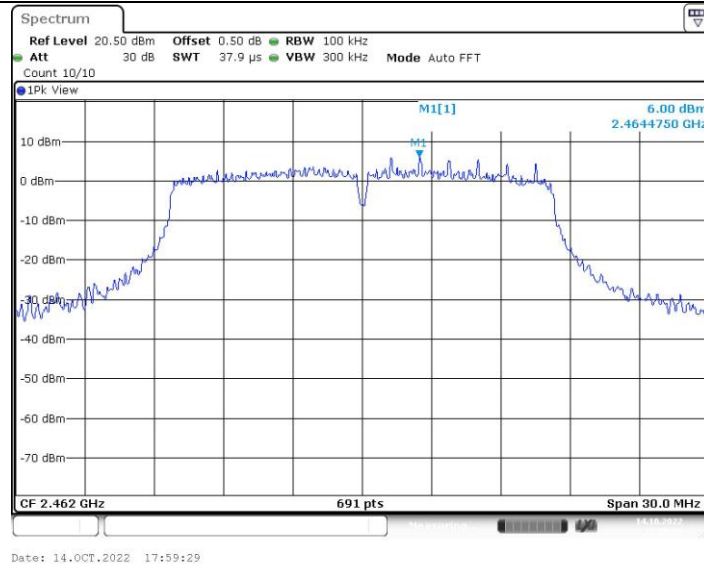
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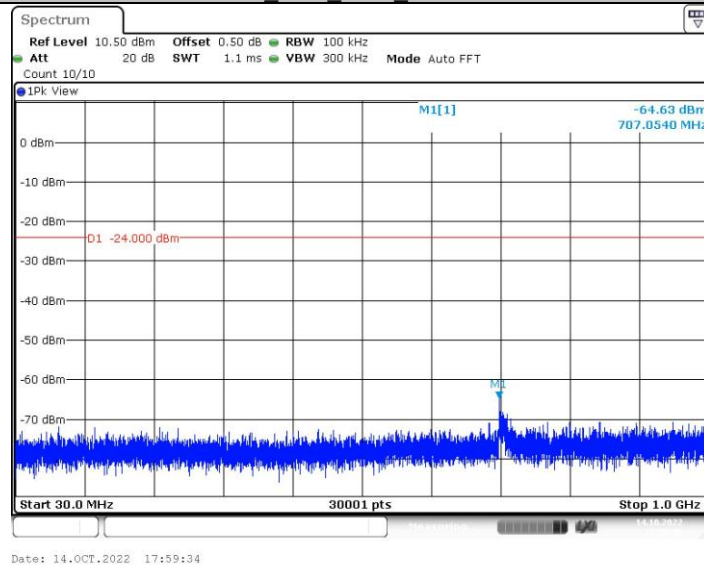
11G_Ant1_2462_1000~26500



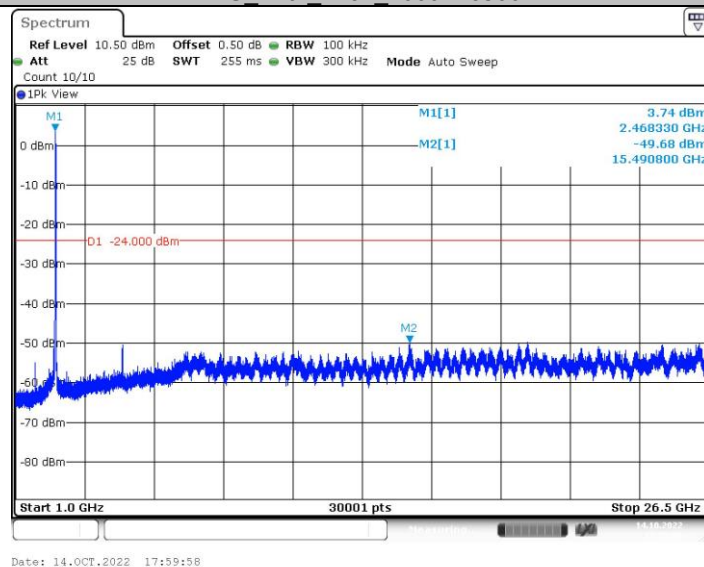
11G_Ant2_2462_0~Reference



11G_Ant2_2462_30~1000



11G_Ant2_2462_1000~26500



11N20MIMO_Ant1_2412_0-Reference

CTC Laboratories, Inc.

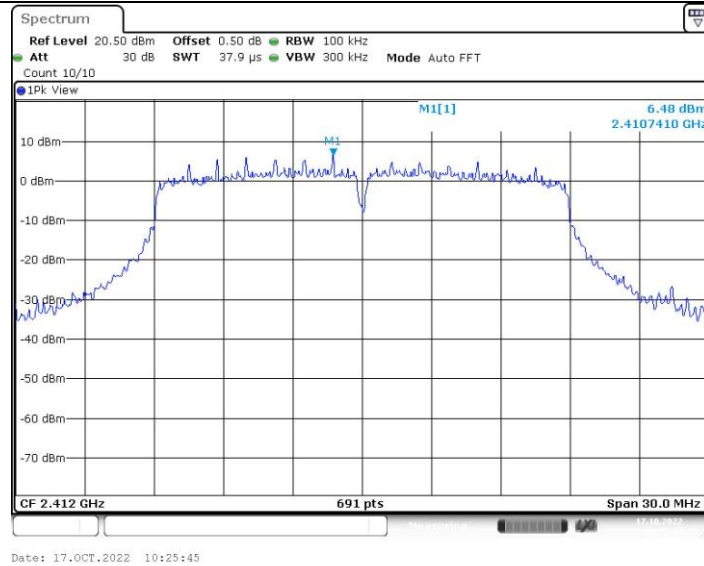
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

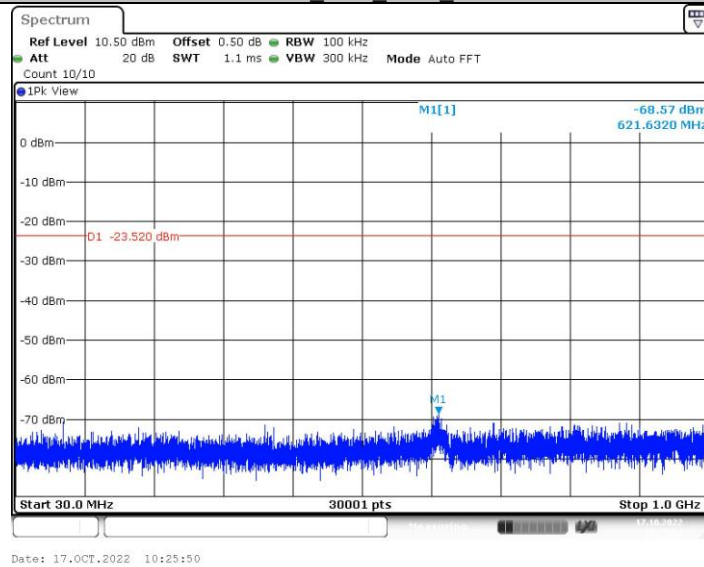
Fax: (86)755-27521011

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

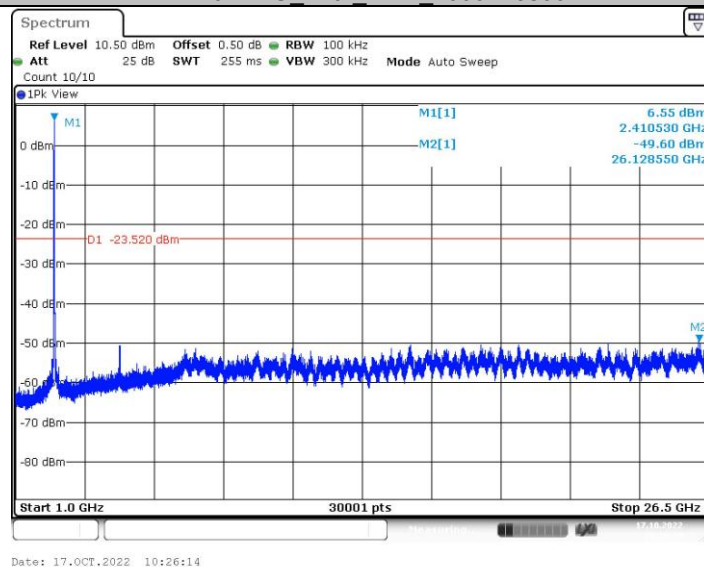
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



11N20MIMO_Ant1_2412_30-1000



11N20MIMO_Ant1_2412_1000-26500



11N20MIMO_Ant2_2412_0-Reference

CTC Laboratories, Inc.

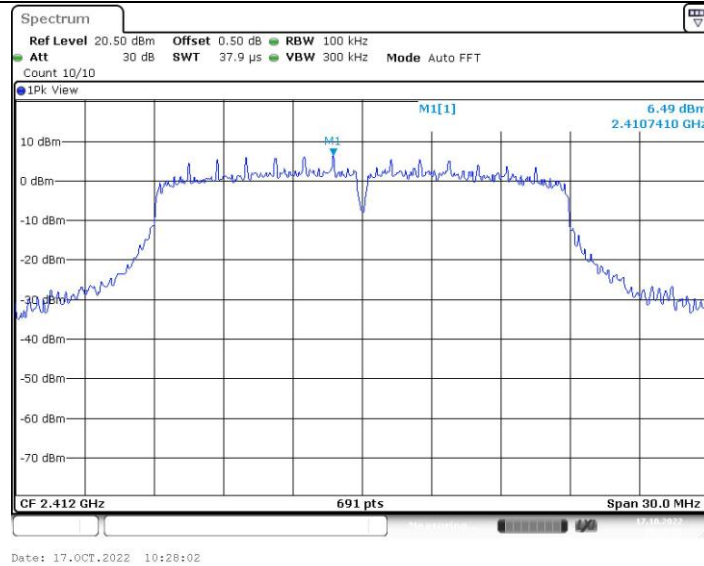
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

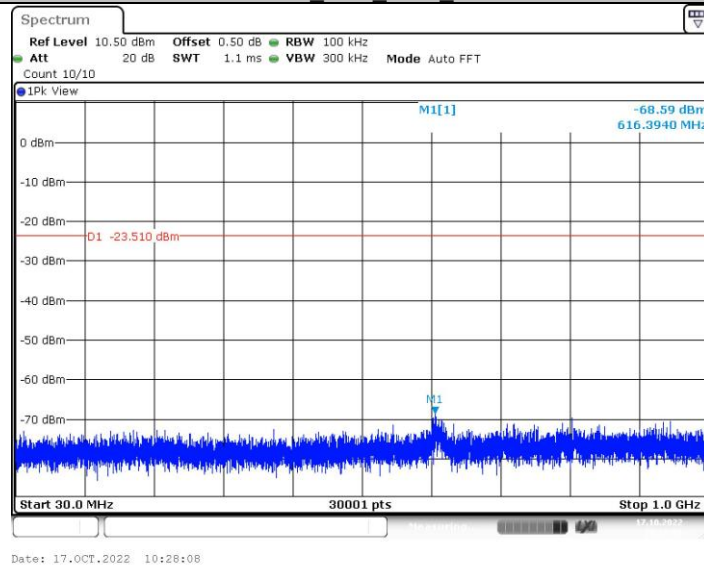
Fax: (86)755-27521011

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

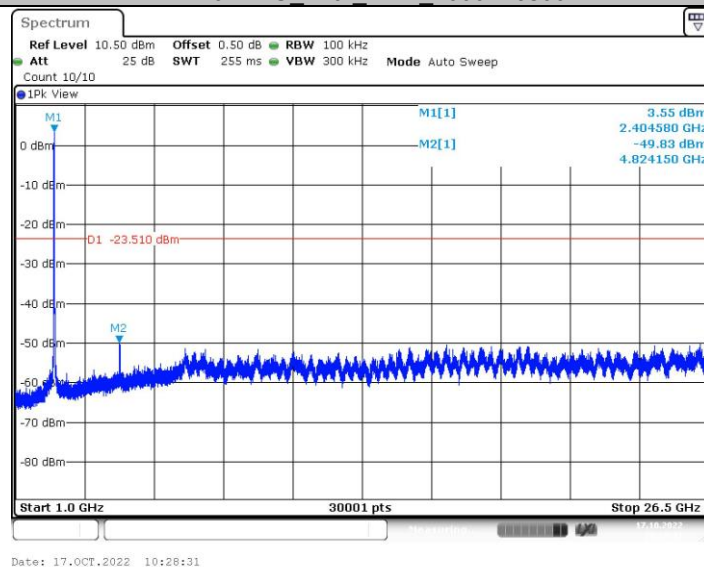
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11N20MIMO_Ant2_2412_30-1000



11N20MIMO_Ant2_2412_1000-26500



11N20MIMO_Ant1_2437_0-Reference

CTC Laboratories, Inc.

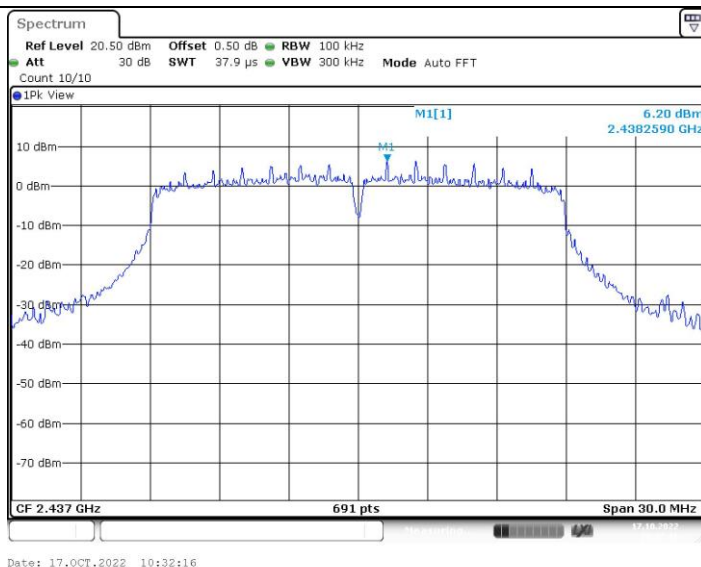
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

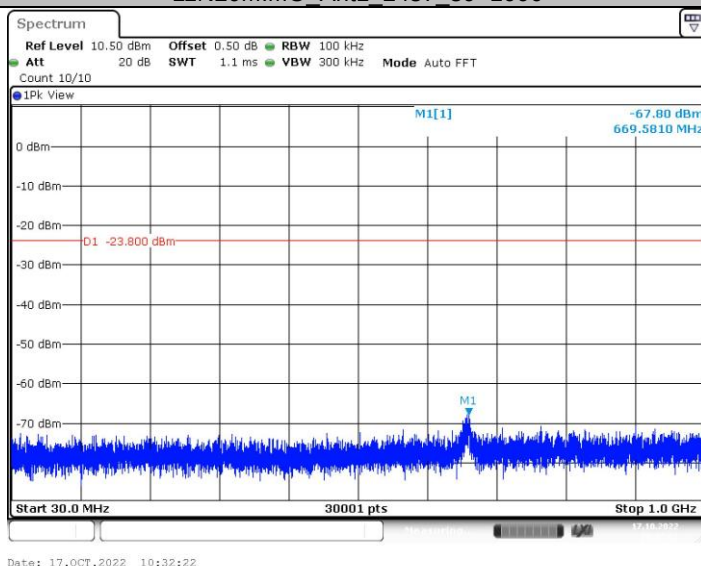
Fax: (86)755-27521011

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

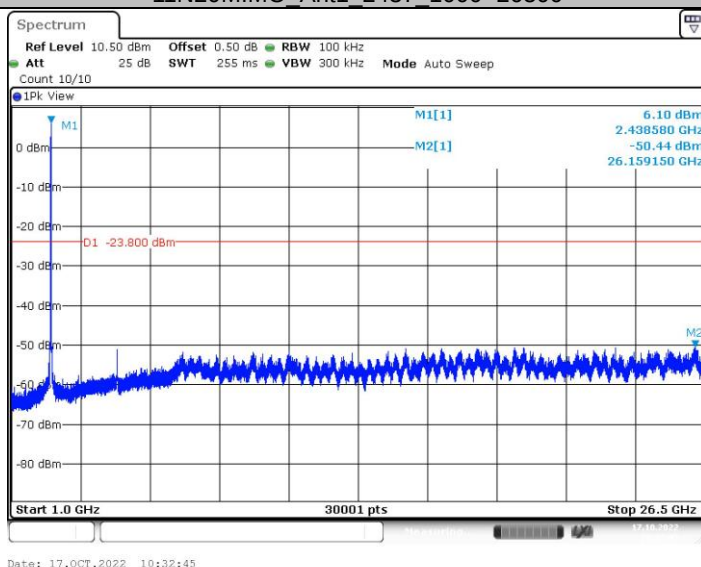
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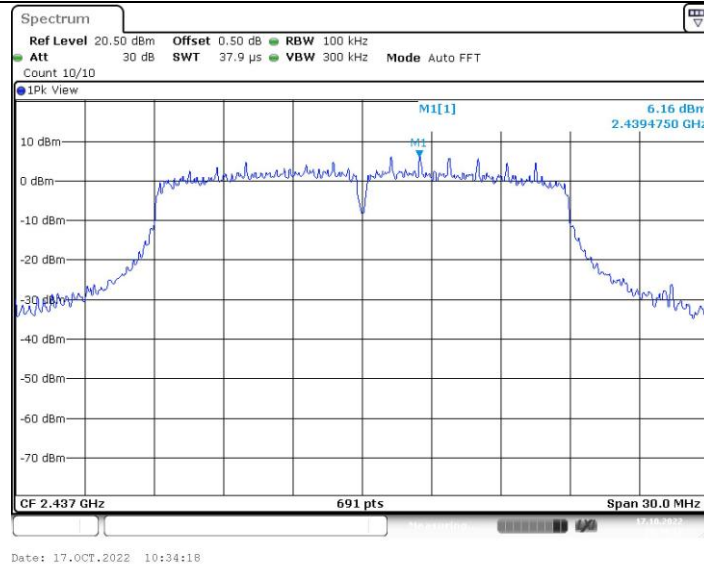
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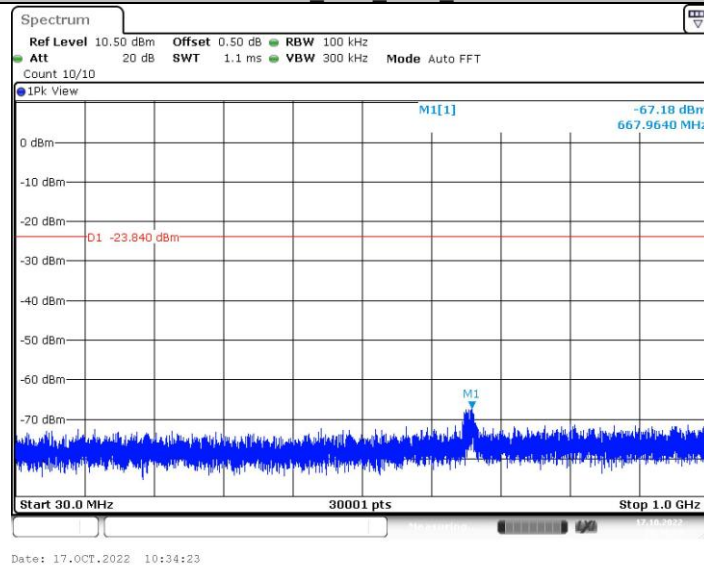
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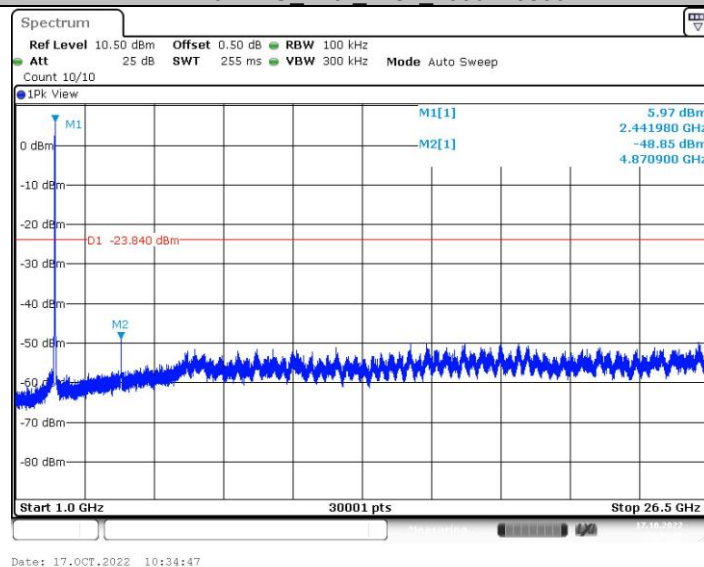
11N20MIMO_Ant2_2437_0-Reference



11N20MIMO_Ant2_2437_30-1000



11N20MIMO_Ant2_2437_1000-26500



11N20MIMO_Ant1_2462_0-Reference

CTC Laboratories, Inc.

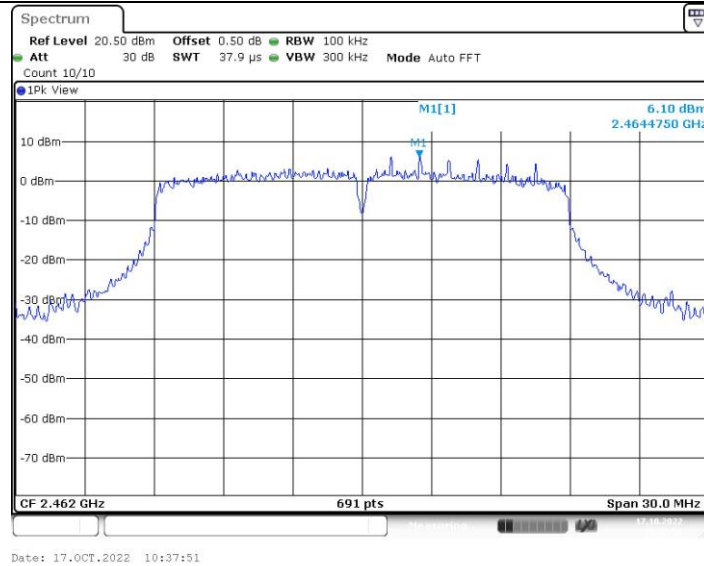
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

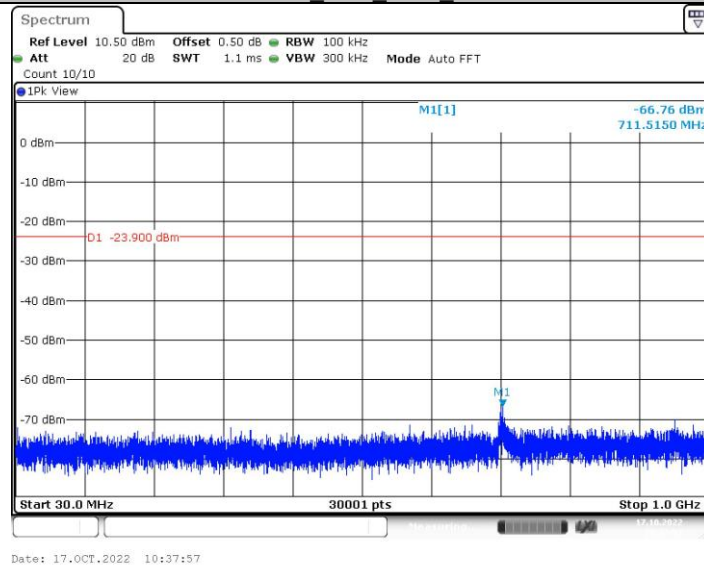
Fax: (86)755-27521011

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

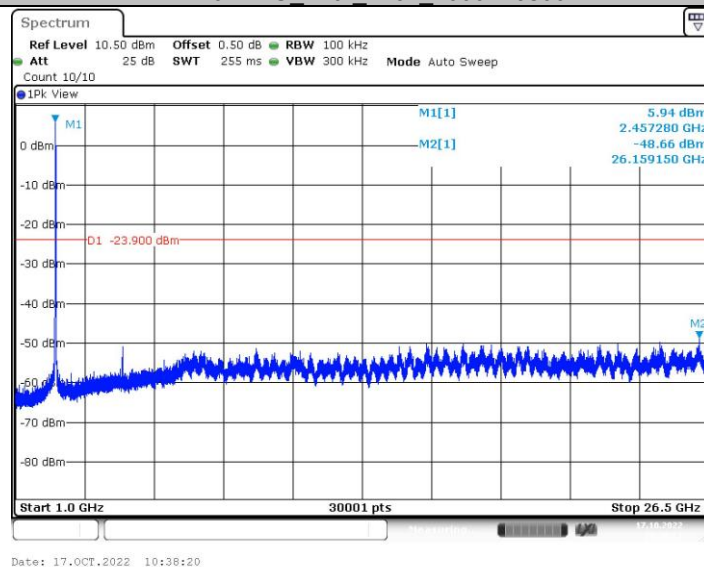
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



11N20MIMO_Ant1_2462_30-1000



11N20MIMO_Ant1_2462_1000-26500



11N20MIMO_Ant2_2462_0-Reference

CTC Laboratories, Inc.

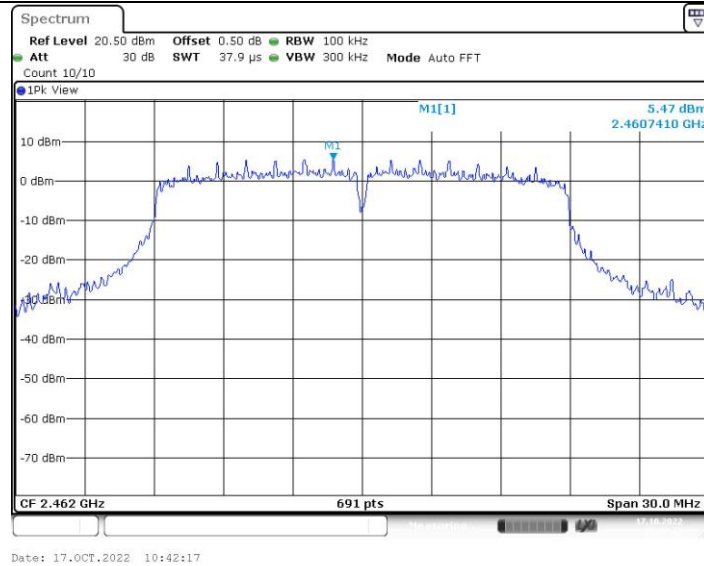
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

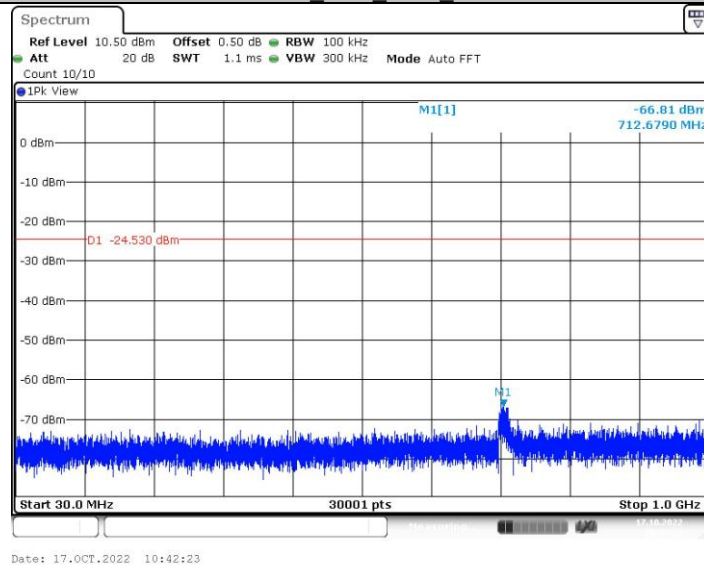
Fax: (86)755-27521011

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

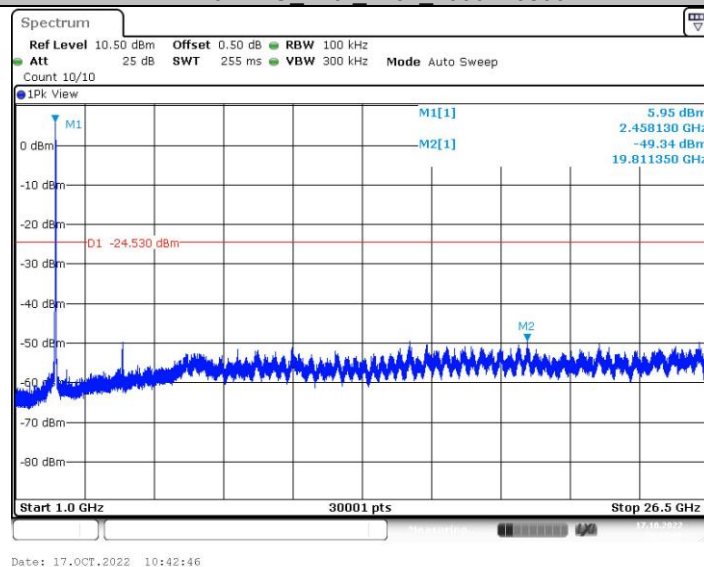
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



11N20MIMO_Ant2_2462_30~1000



11N20MIMO_Ant2_2462_1000~26500



11N40MIMO_Ant1_2422_0~Reference

CTC Laboratories, Inc.

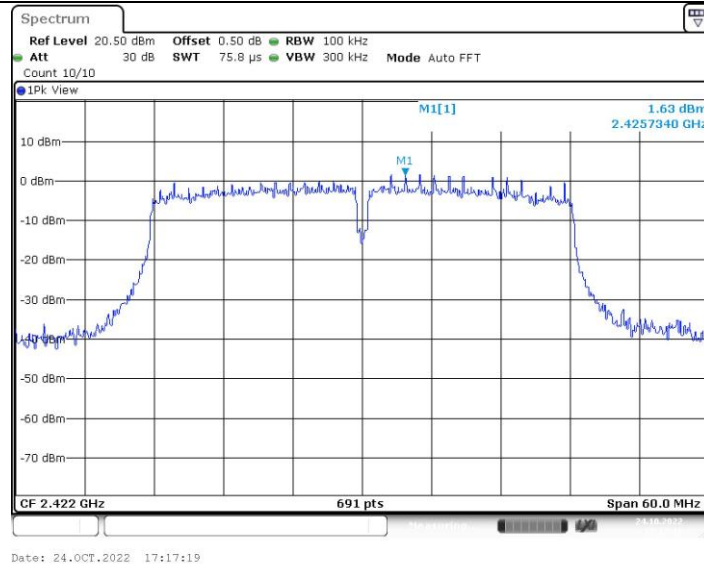
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

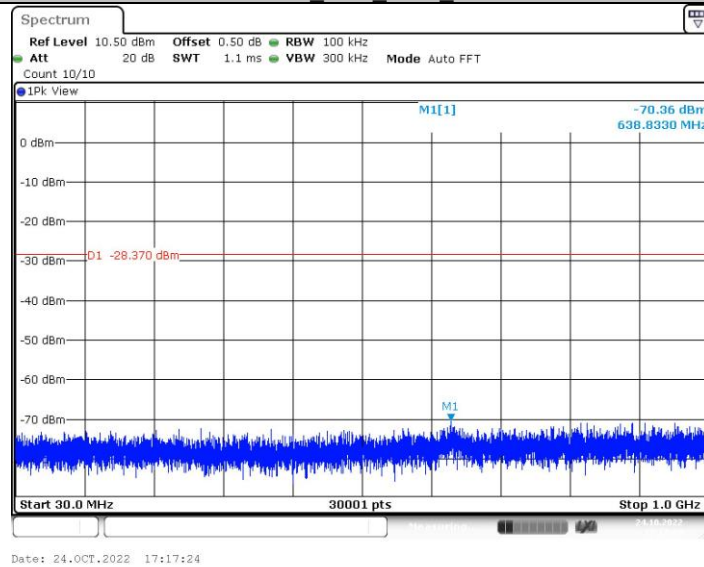
Fax: (86)755-27521011

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

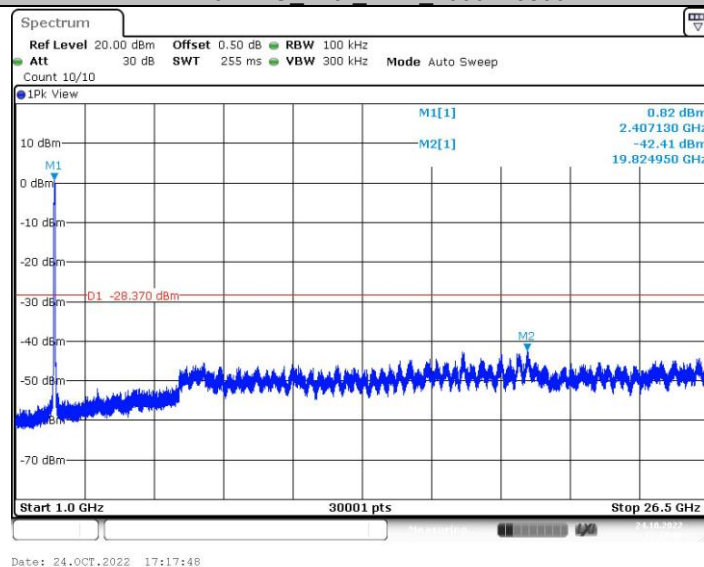
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



11N40MIMO_Ant1_2422_30-1000



11N40MIMO_Ant1_2422_1000-26500



11N40MIMO_Ant2_2422_0-Reference

CTC Laboratories, Inc.

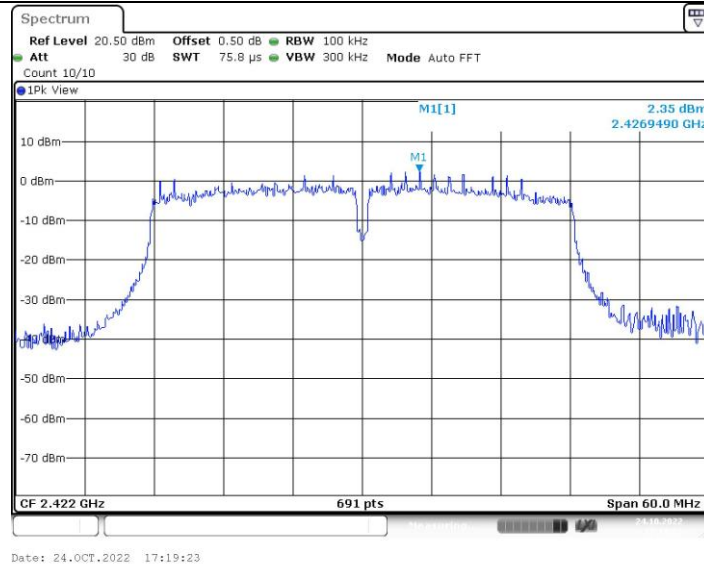
1-2/F, Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

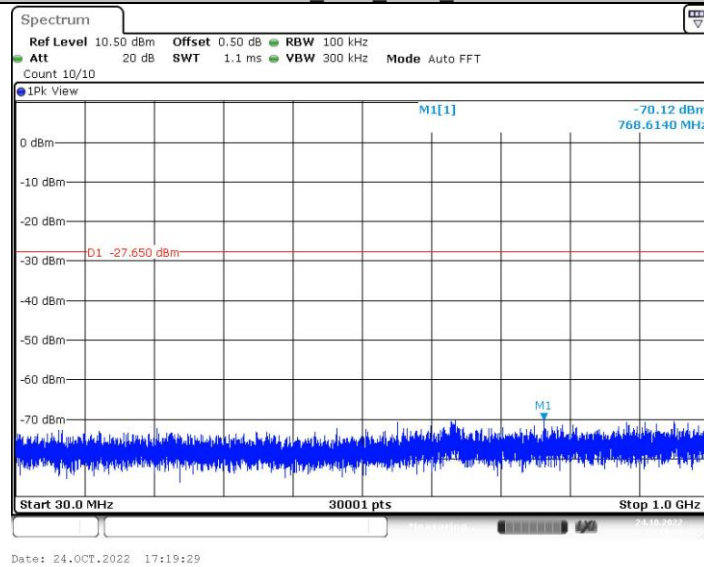
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Http://www.sz-ctc.org.cn

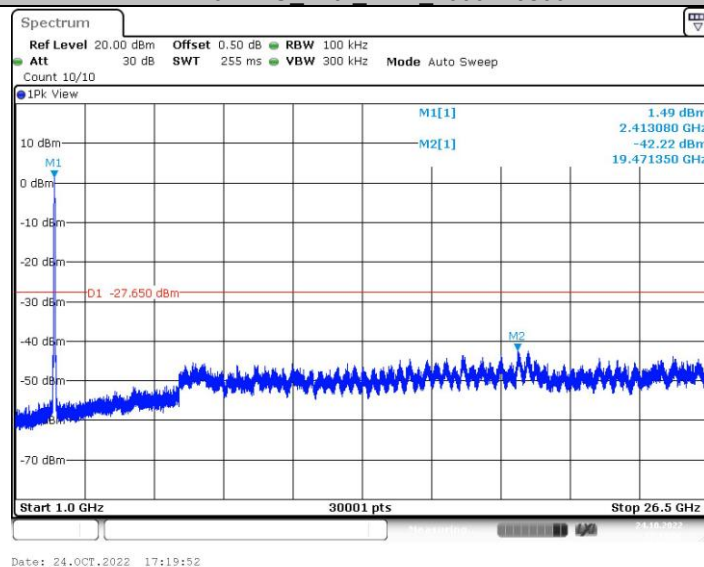
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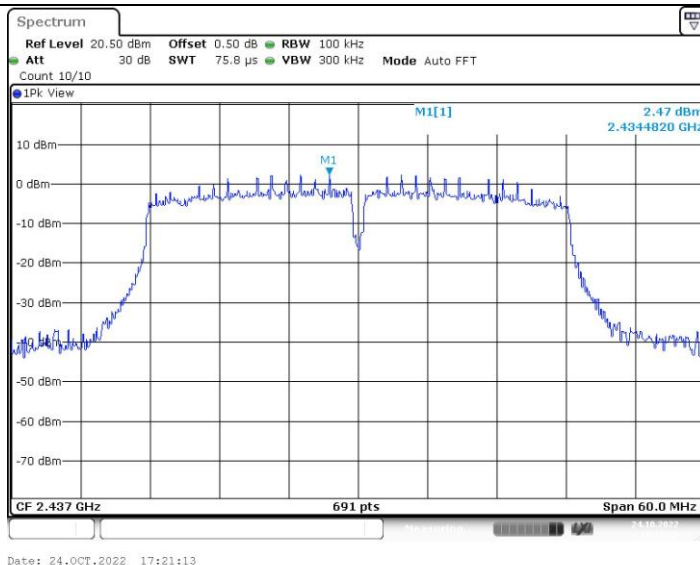
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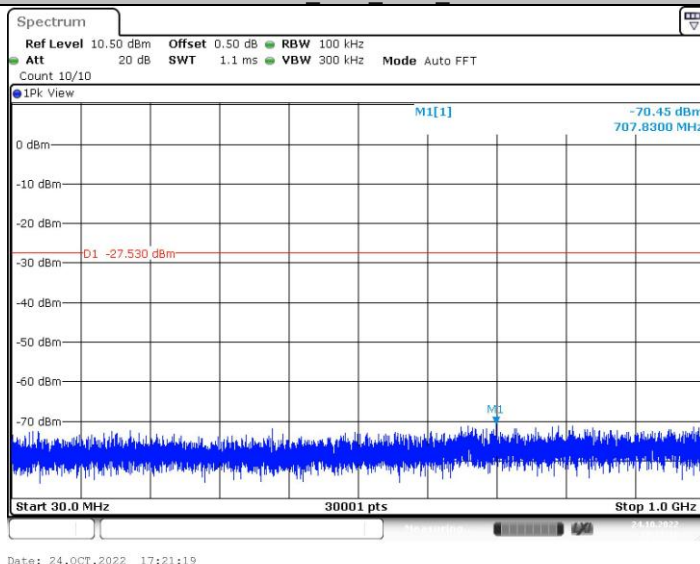
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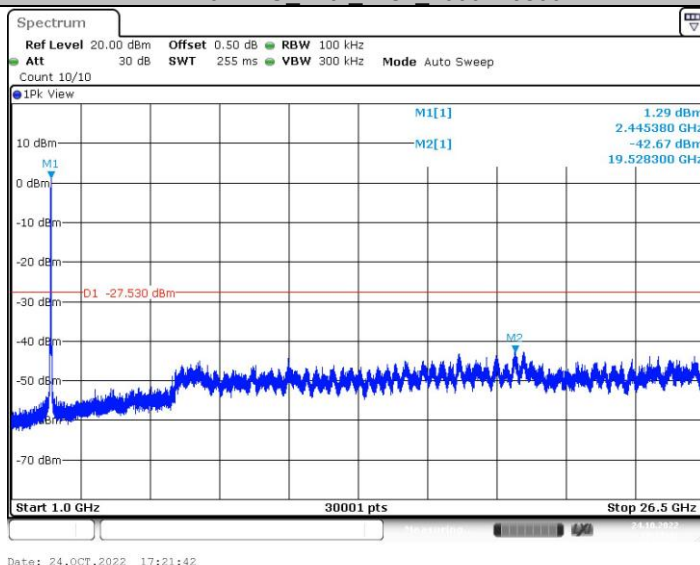
11N40MIMO_Ant1_2437_0-Reference



11N40MIMO_Ant1_2437_30~1000



11N40MIMO_Ant1_2437_1000~26500



11N40MIMO_Ant2_2437_0~Reference

CTC Laboratories, Inc.

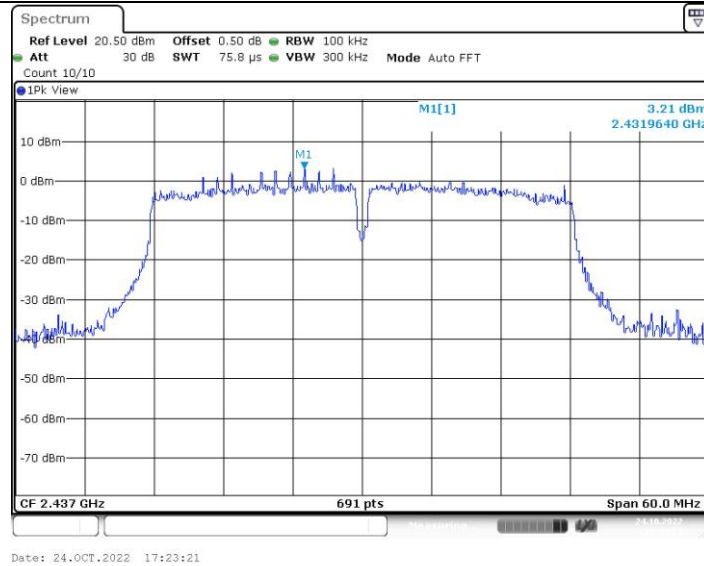
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

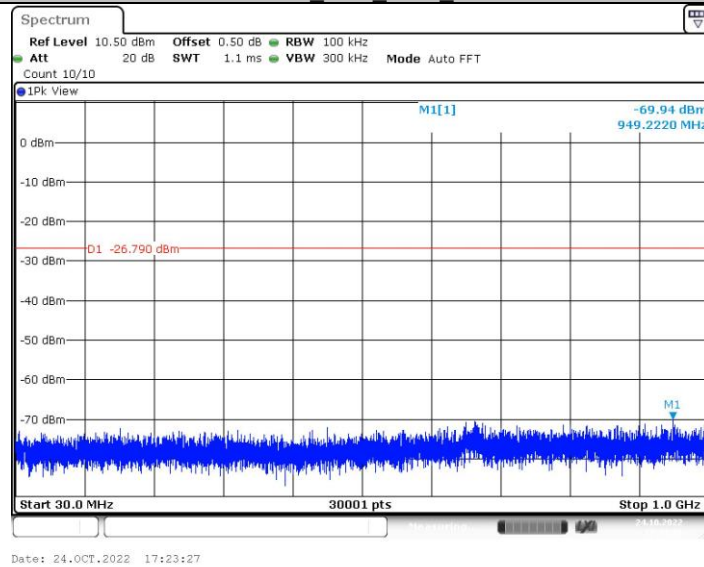
Fax: (86)755-27521011

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

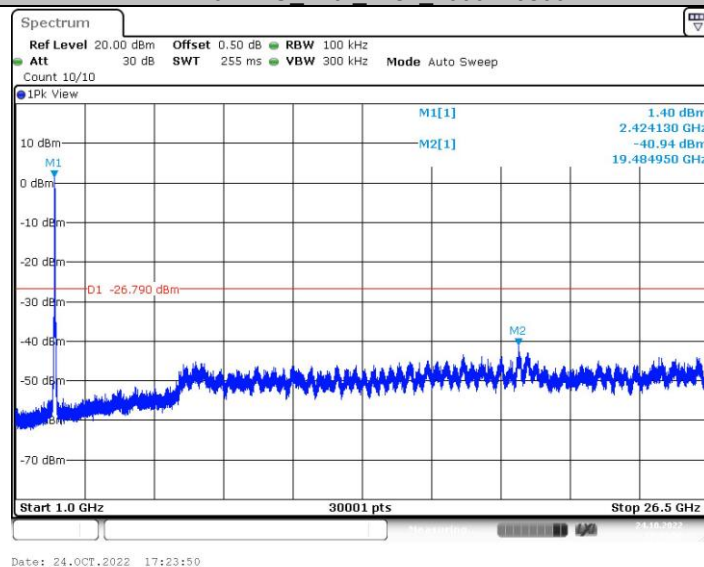
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



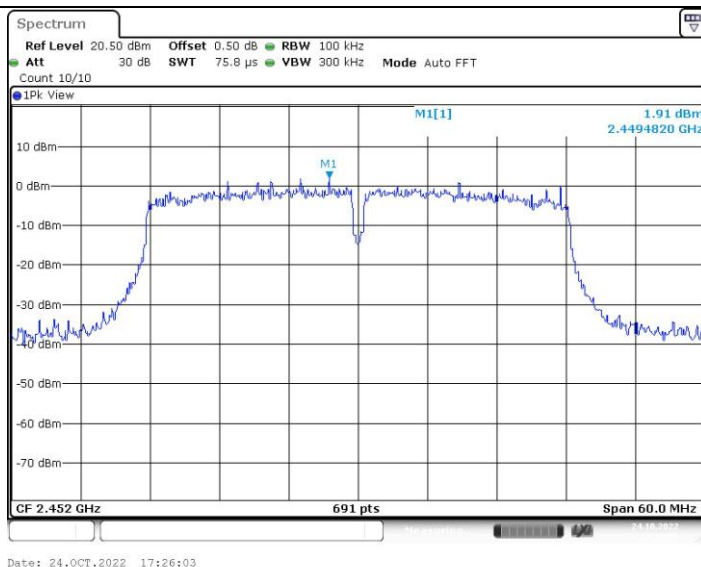
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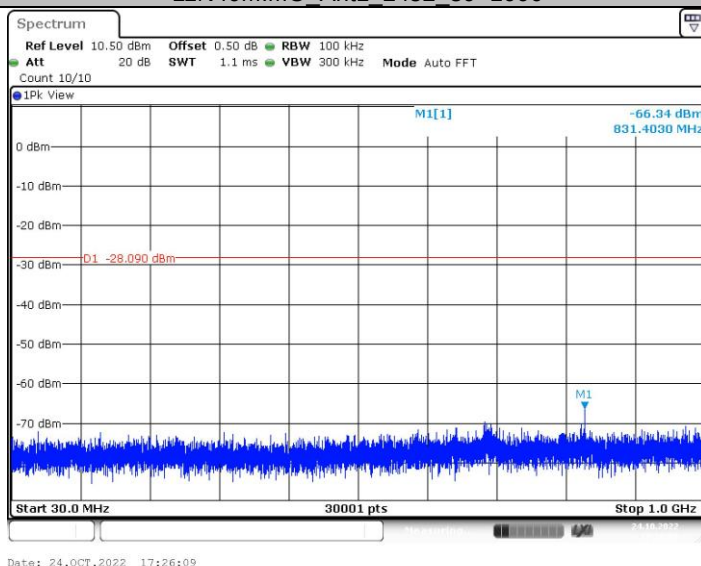
11N40MIMO_Ant2_2437_1000~26500



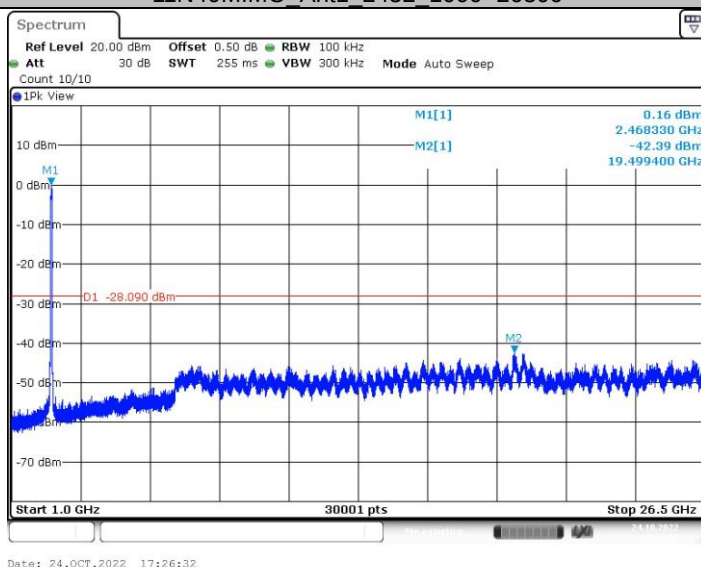
11N40MIMO_Ant1_2452_0~Reference



11N40MIMO_Ant1_2452_30~1000



11N40MIMO_Ant1_2452_1000~26500



11N40MIMO_Ant2_2452_0~Reference

CTC Laboratories, Inc.

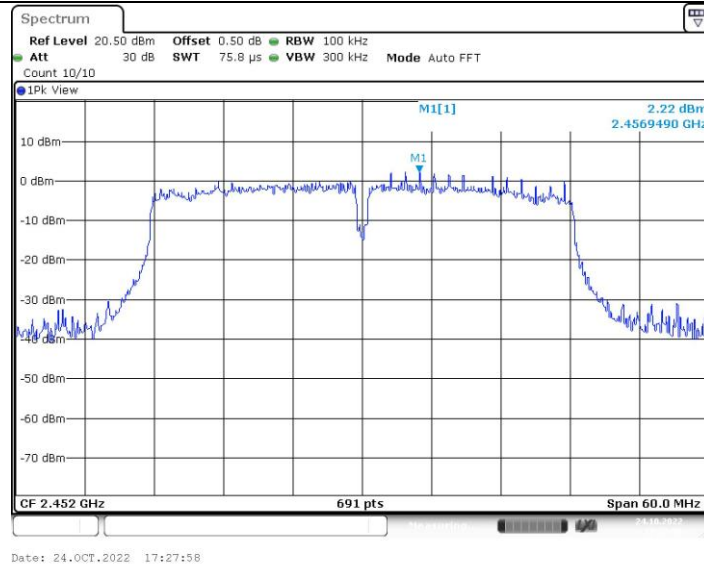
1-2/F, Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

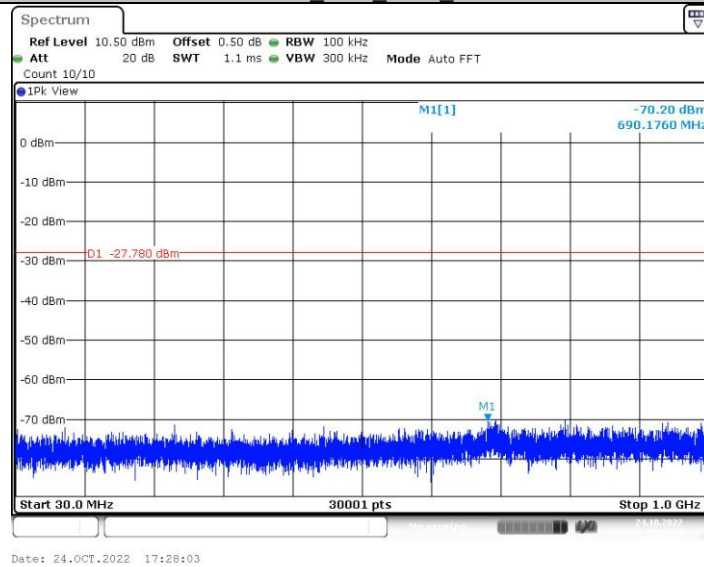
Fax: (86)755-27521011

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

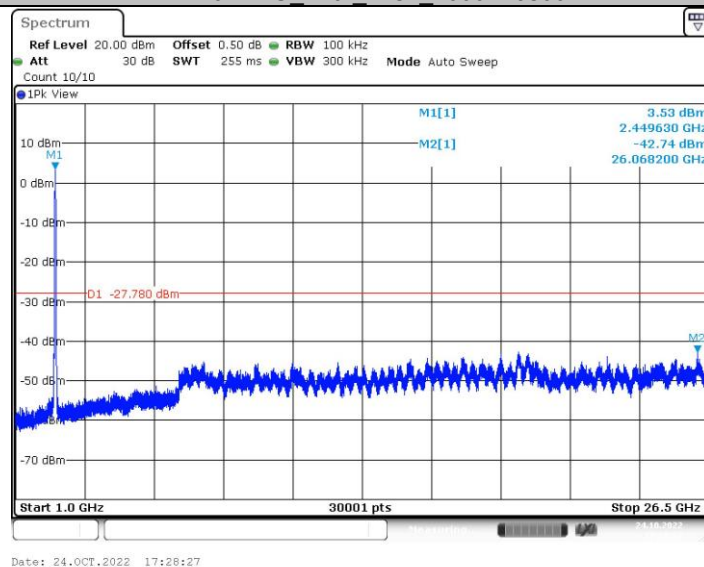
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : yz.cnca.cn



11N40MIMO_Ant2_2452_30~1000



11N40MIMO_Ant2_2452_1000~26500



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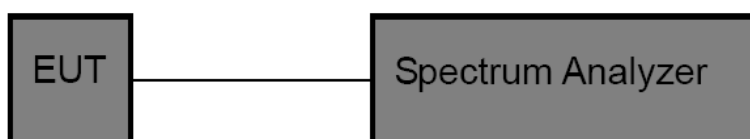
3.5. Bandwidth

Limit

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (a)(2)

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 2.3.

Test Results

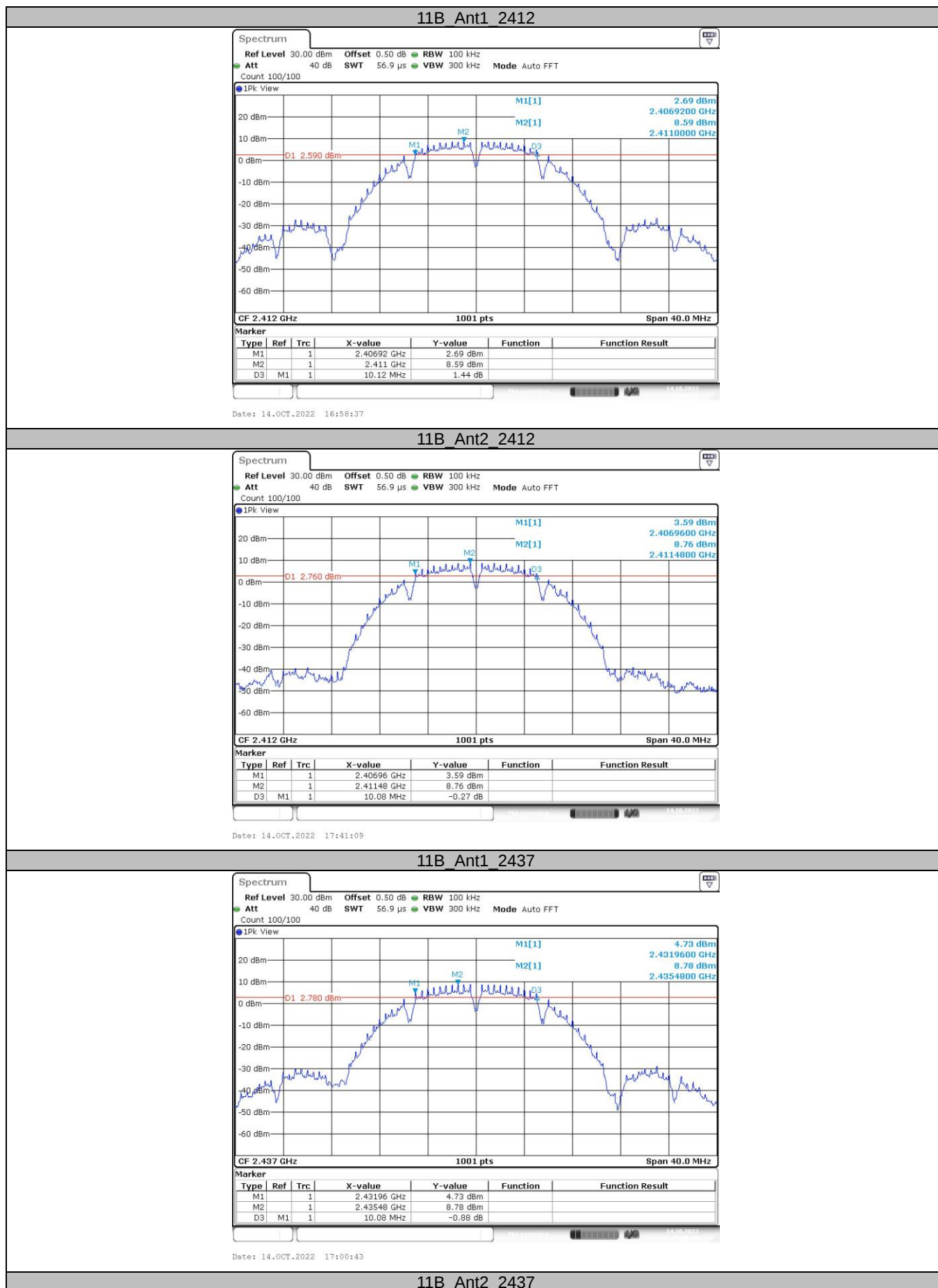


**DTS Bandwidth Test Result**

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.12	2406.92	2417.04	0.5	PASS
	Ant2	2412	10.08	2406.96	2417.04	0.5	PASS
	Ant1	2437	10.08	2431.96	2442.04	0.5	PASS
	Ant2	2437	10.08	2431.96	2442.04	0.5	PASS
	Ant1	2462	10.08	2456.96	2467.04	0.5	PASS
	Ant2	2462	10.08	2456.96	2467.04	0.5	PASS
11G	Ant1	2412	16.36	2403.80	2420.16	0.5	PASS
	Ant2	2412	16.36	2403.80	2420.16	0.5	PASS
	Ant1	2437	16.36	2428.80	2445.16	0.5	PASS
	Ant2	2437	16.08	2428.84	2444.92	0.5	PASS
	Ant1	2462	16.00	2453.88	2469.88	0.5	PASS
	Ant2	2462	16.04	2453.84	2469.88	0.5	PASS
11N20MIMO	Ant1	2412	17.04	2403.48	2420.52	0.5	PASS
	Ant2	2412	15.92	2403.84	2419.76	0.5	PASS
	Ant1	2437	16.64	2428.48	2445.12	0.5	PASS
	Ant2	2437	16.52	2428.60	2445.12	0.5	PASS
	Ant1	2462	17.32	2453.20	2470.52	0.5	PASS
	Ant2	2462	16.64	2453.48	2470.12	0.5	PASS
11N40MIMO	Ant1	2422	35.20	2404.40	2439.60	0.5	PASS
	Ant2	2422	35.68	2403.84	2439.52	0.5	PASS
	Ant1	2437	34.00	2419.48	2453.48	0.5	PASS
	Ant2	2437	34.96	2419.56	2454.52	0.5	PASS
	Ant1	2452	35.52	2434.08	2469.60	0.5	PASS
	Ant2	2452	35.44	2434.08	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	14.865	2404.527	2419.393	---	PASS
	Ant2	2412	14.585	2404.687	2419.273	---	PASS
	Ant1	2437	14.825	2429.527	2444.353	---	PASS
	Ant2	2437	14.625	2429.687	2444.313	---	PASS
	Ant1	2462	14.865	2454.488	2469.353	---	PASS
	Ant2	2462	14.585	2454.687	2469.273	---	PASS
11G	Ant1	2412	16.943	2403.568	2420.511	---	PASS
	Ant2	2412	16.863	2403.568	2420.432	---	PASS
	Ant1	2437	16.903	2428.449	2445.352	---	PASS
	Ant2	2437	16.903	2428.489	2445.392	---	PASS
	Ant1	2462	17.143	2453.449	2470.591	---	PASS
	Ant2	2462	16.863	2453.528	2470.392	---	PASS
11N20MIMO	Ant1	2412	18.342	2402.889	2421.231	---	PASS
	Ant2	2412	17.982	2403.049	2421.031	---	PASS
	Ant1	2437	18.142	2427.809	2445.951	---	PASS
	Ant2	2437	17.902	2428.049	2445.951	---	PASS
	Ant1	2462	18.022	2453.049	2471.071	---	PASS
	Ant2	2462	18.062	2452.849	2470.911	---	PASS
11N40MIMO	Ant1	2422	36.923	2403.618	2440.541	---	PASS
	Ant2	2422	36.204	2403.858	2440.062	---	PASS
	Ant1	2437	36.204	2418.778	2454.982	---	PASS
	Ant2	2437	36.204	2418.778	2454.982	---	PASS
	Ant1	2452	36.444	2433.538	2469.982	---	PASS
	Ant2	2452	36.124	2433.858	2469.982	---	PASS

**DTS Bandwidth Test Graphs**

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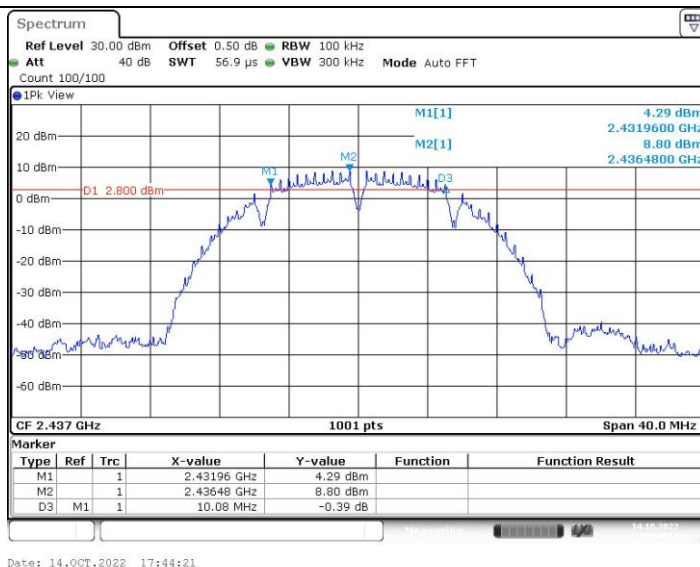
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Tel.: (86)755-27521059

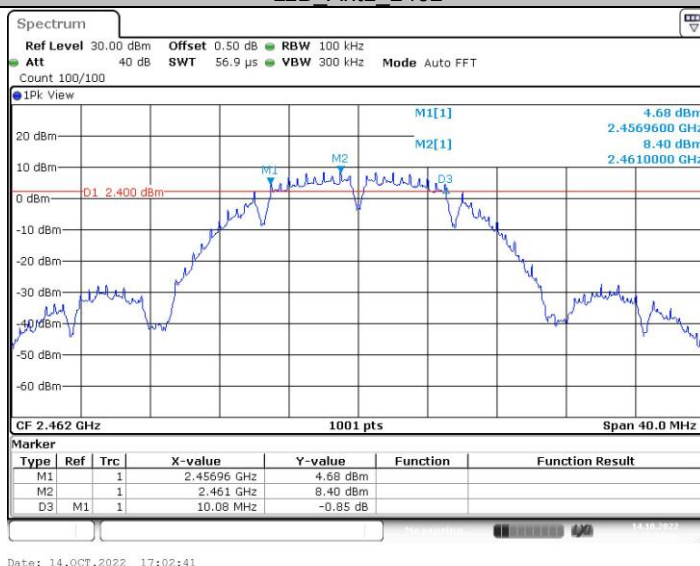
Fax: (86)755-27521011

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

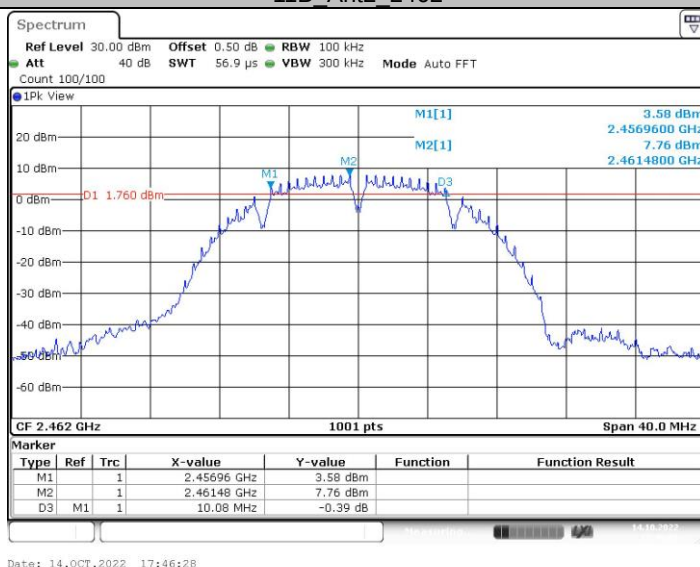
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11B_Ant1_2462



11B_Ant2_2462



11G_Ant1_2412

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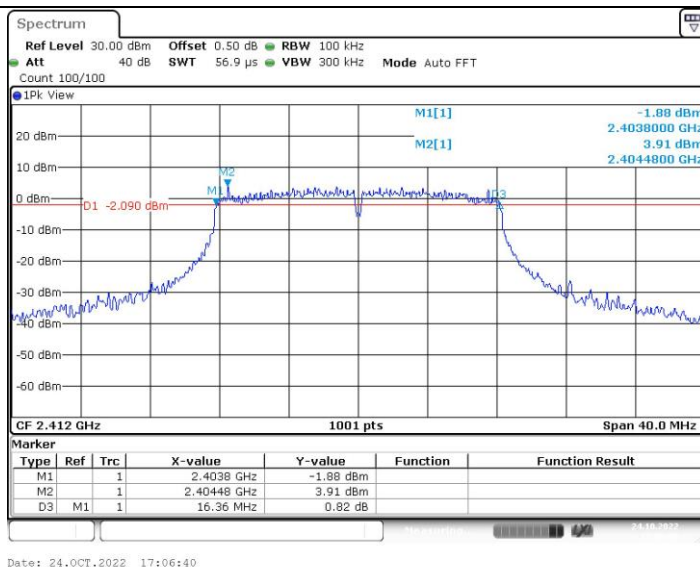
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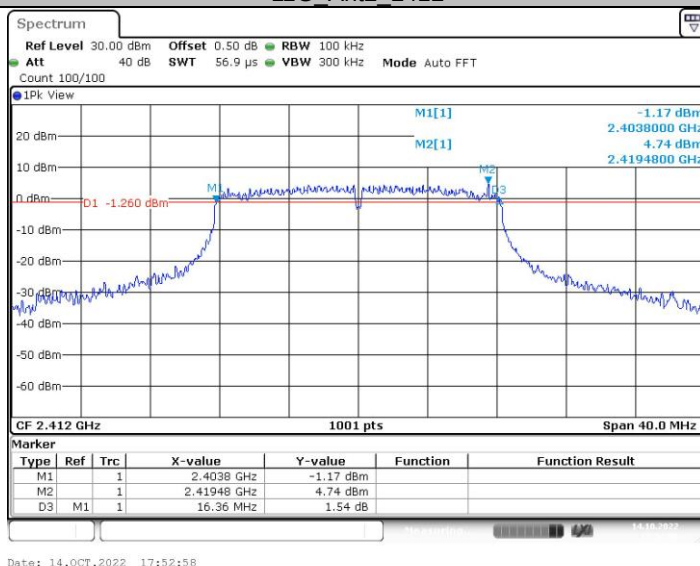
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Http://www.sz-ctc.org.cn

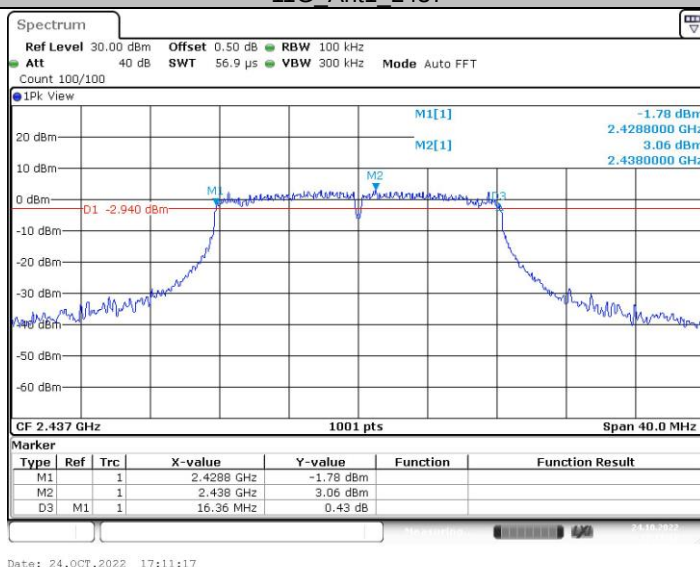
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11G_Ant2_2412



11G_Ant1_2437



11G_Ant2_2437

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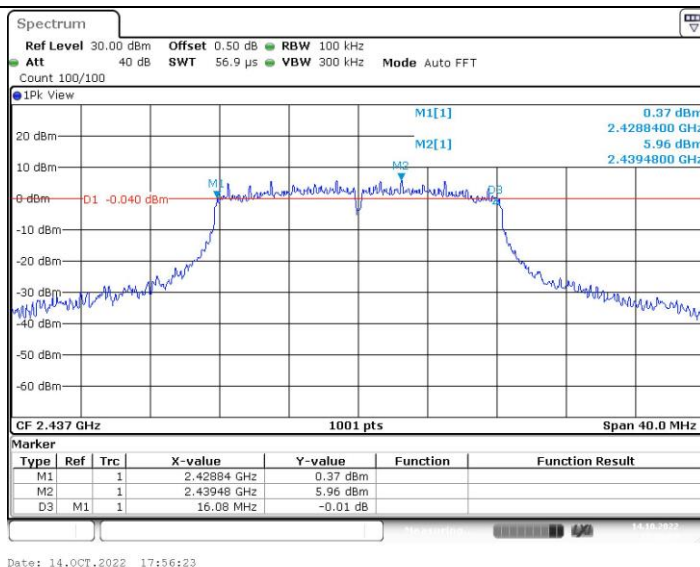
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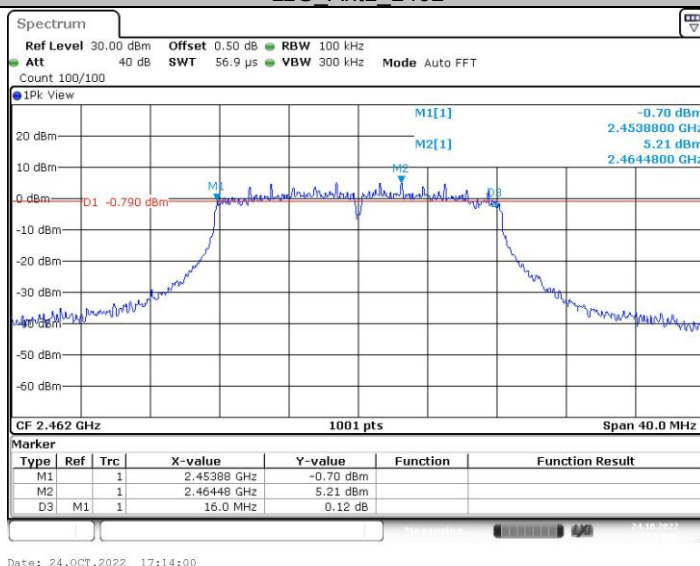
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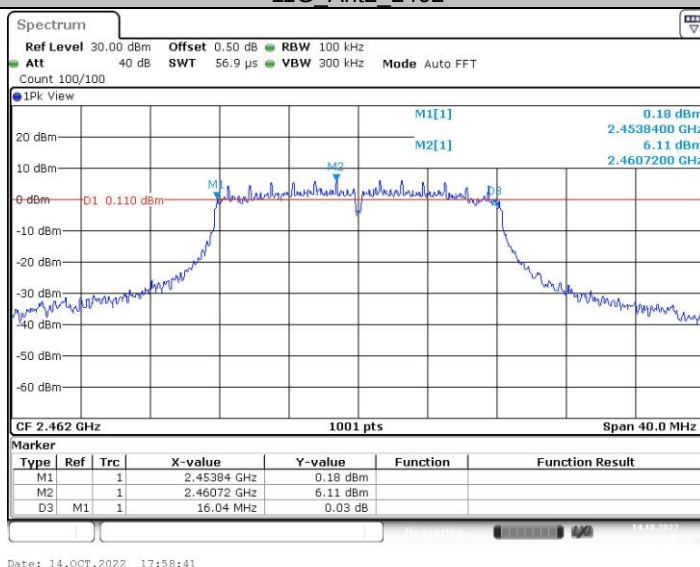
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11G_Ant1_2462



11G_Ant2_2462



11N20MIMO_Ant1_2412

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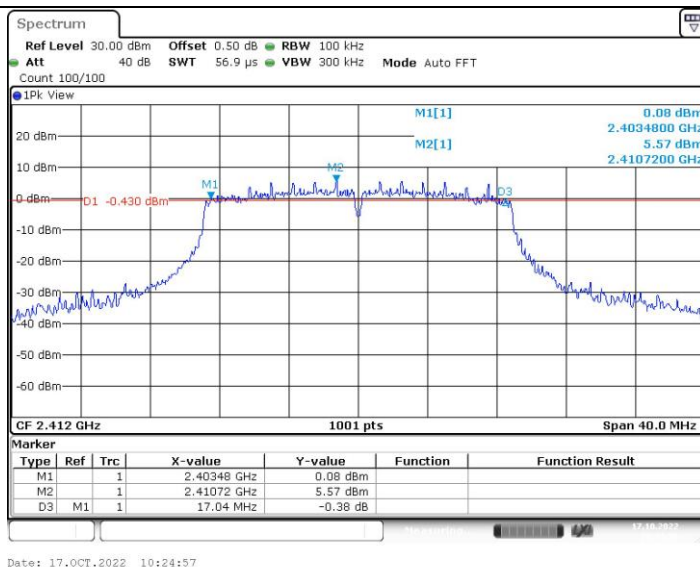
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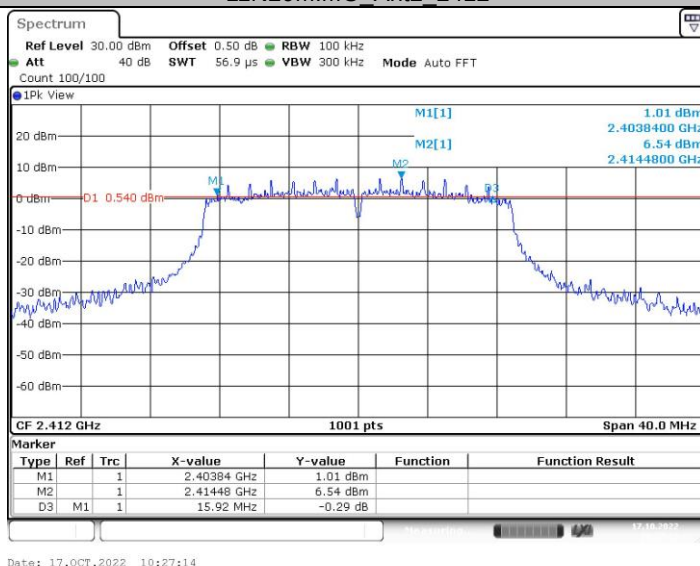
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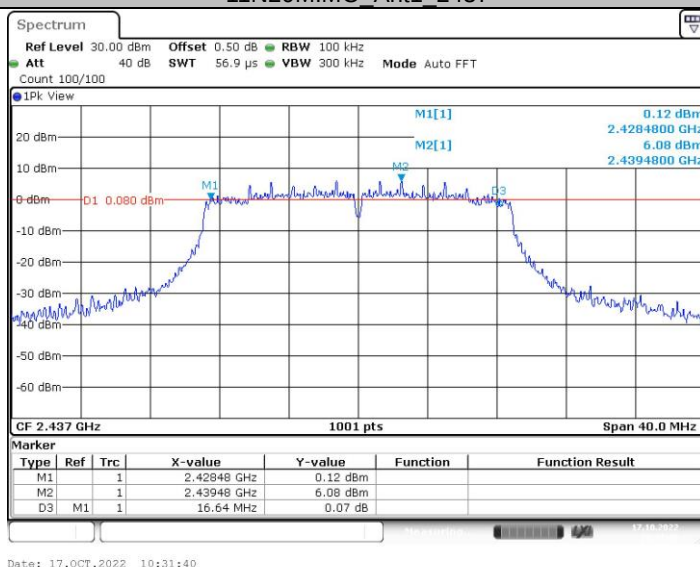
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11N20MIMO_Ant2_2412



11N20MIMO_Ant1_2437



11N20MIMO_Ant2_2437

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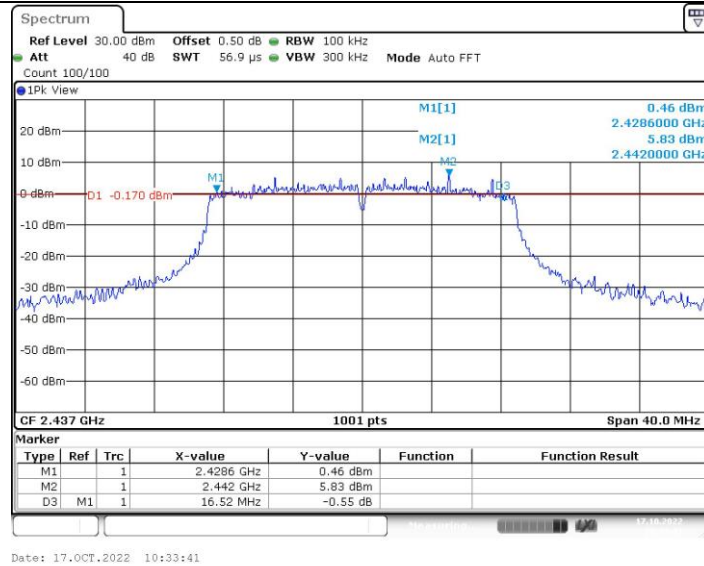
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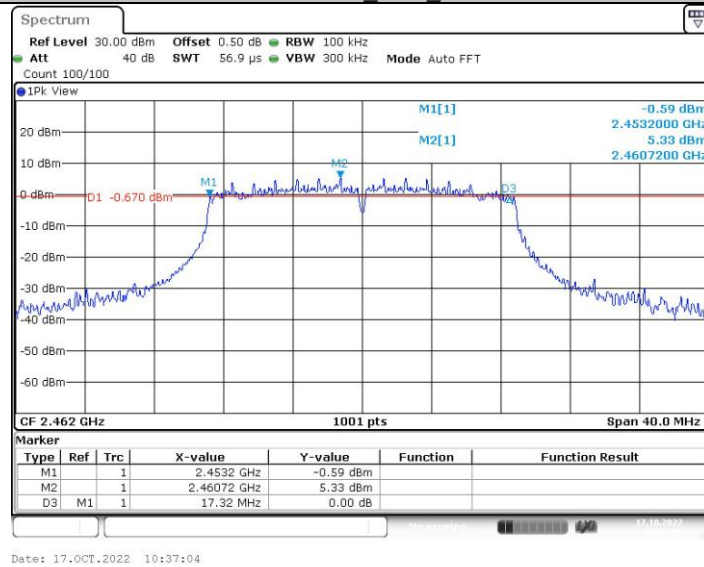
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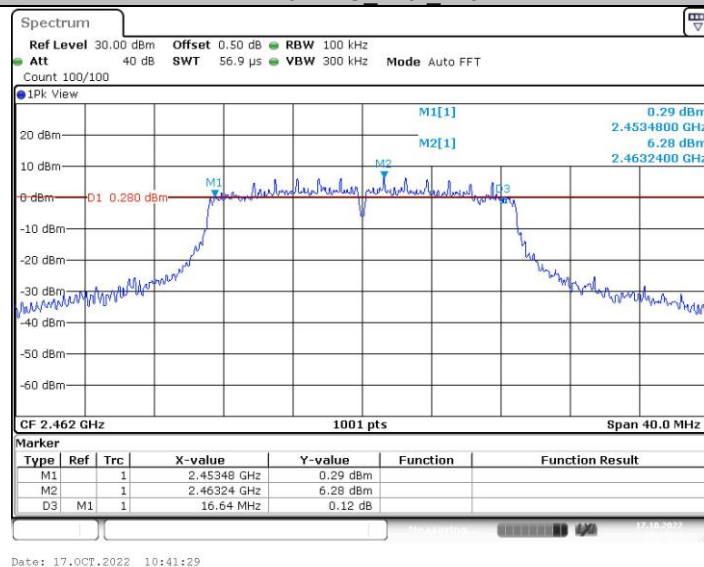
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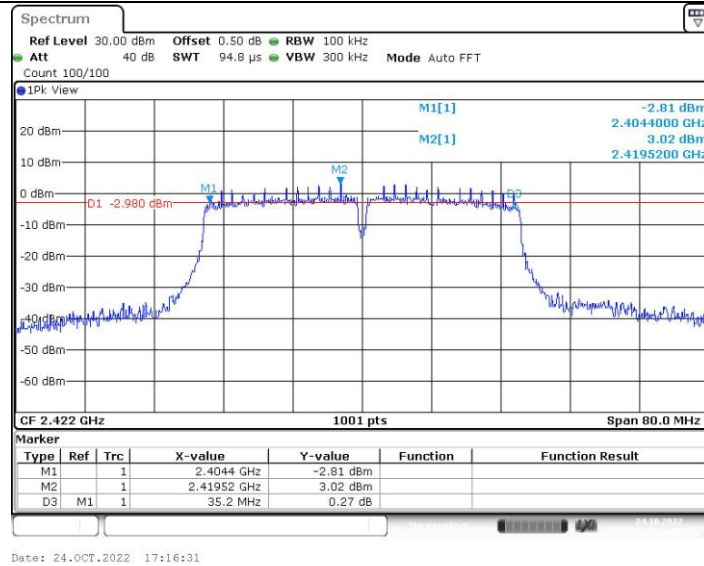
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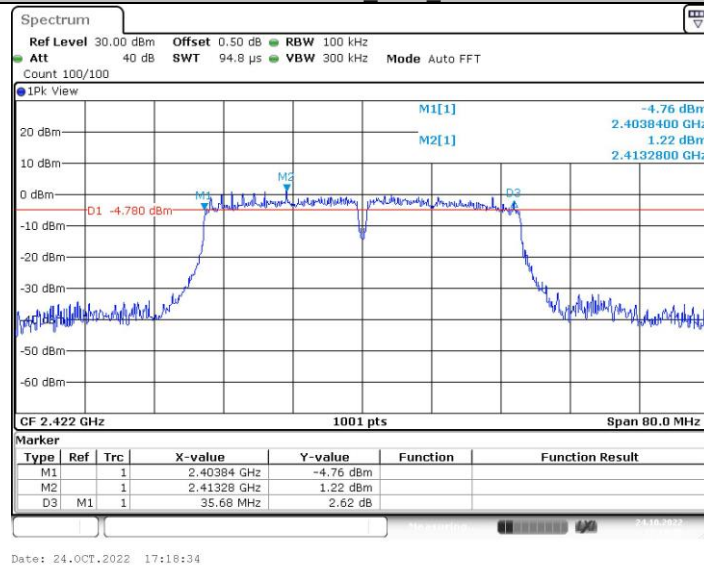
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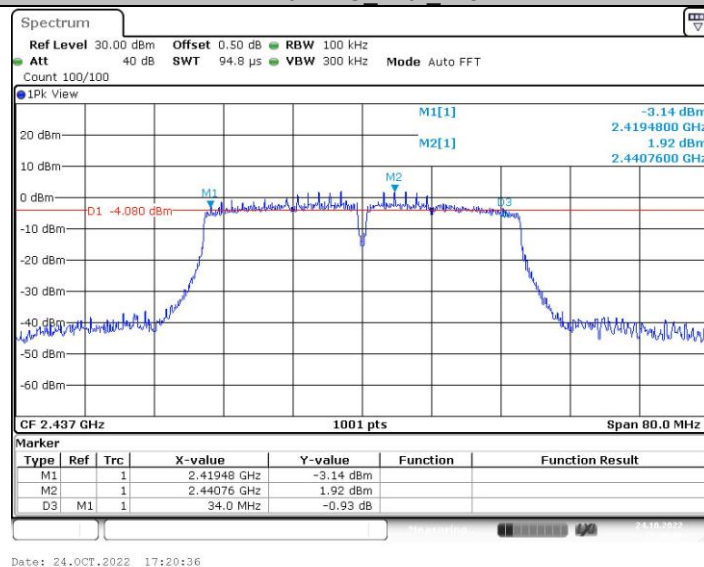
11N40MIMO_Ant1_2422



11N40MIMO_Ant2_2422



11N40MIMO_Ant1_2437



11N40MIMO_Ant2_2437

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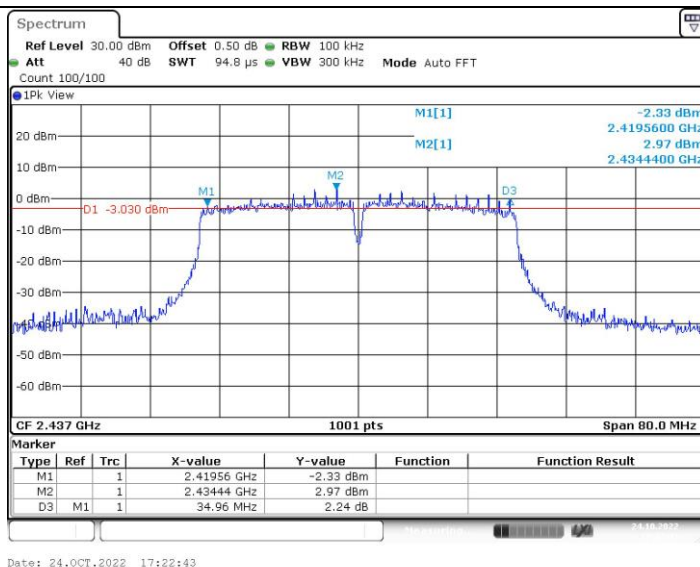
Tel.: (86)755-27521059

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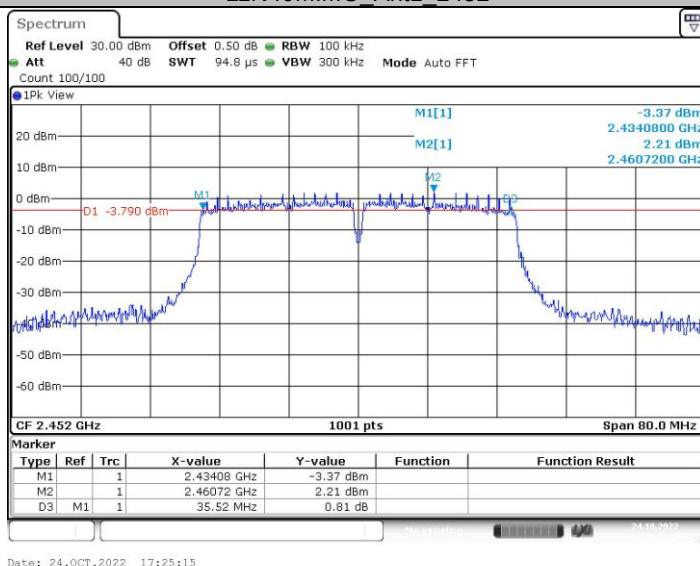
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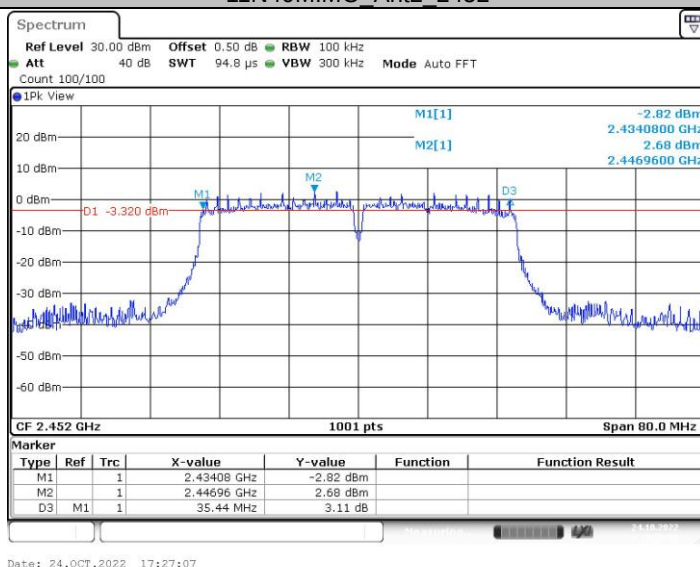
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11N40MIMO_Ant1_2452



11N40MIMO_Ant2_2452



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