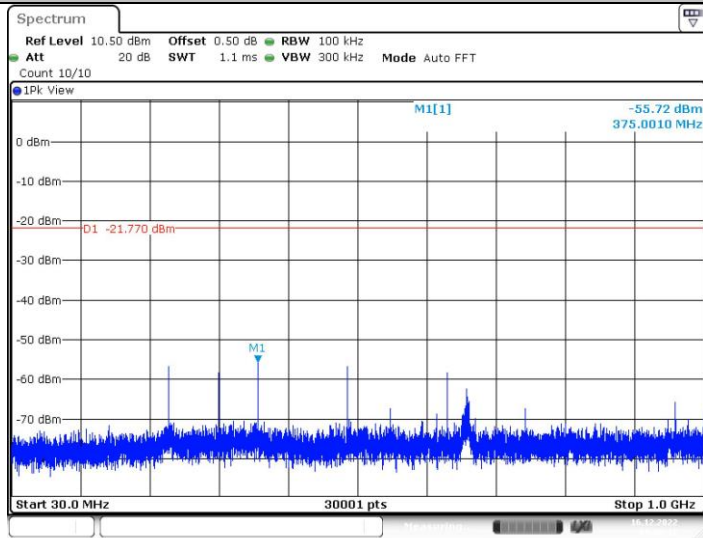
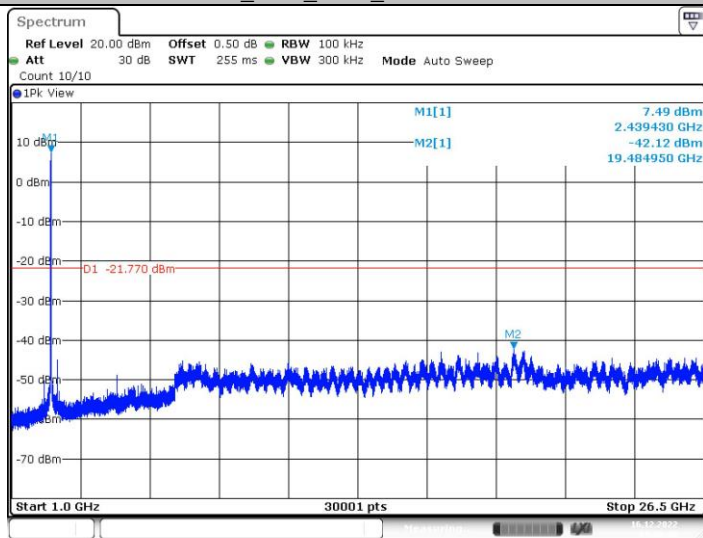


11G\_Ant1\_2437\_30~1000



11G\_Ant1\_2437\_1000~26500



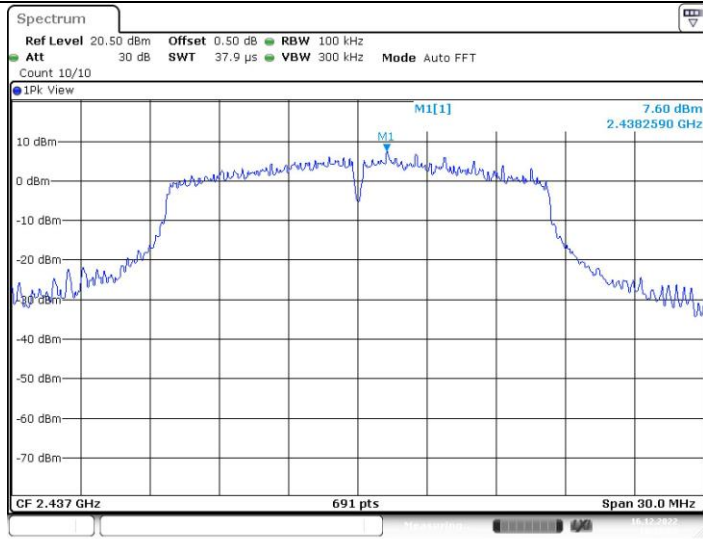
11G\_Ant2\_2437\_0~Reference

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

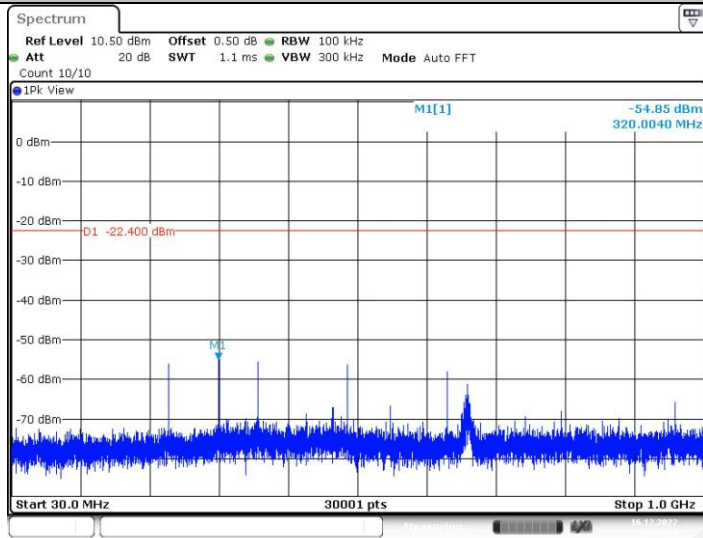


For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : [yz.cnca.cn](http://yz.cnca.cn)



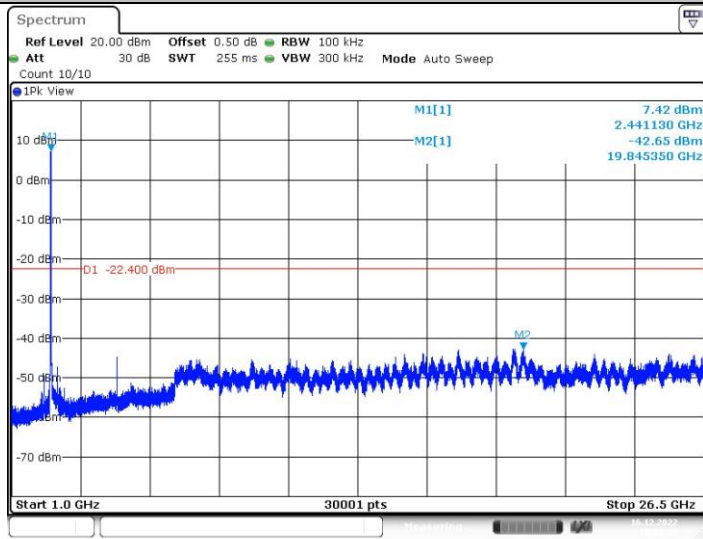
Date: 16.DEC.2022 10:19:59

11G\_Ant2\_2437\_30~1000



Date: 16.DEC.2022 10:20:05

11G\_Ant2\_2437\_1000~26500



Date: 16.DEC.2022 10:20:28

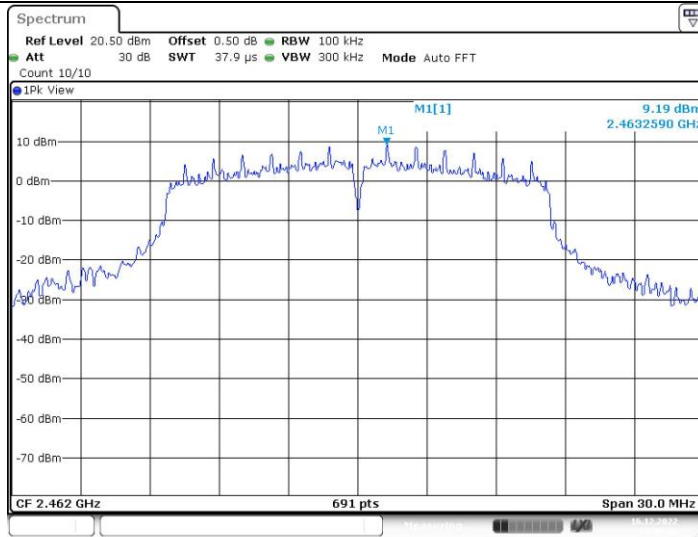
11G\_Ant1\_2462\_0~Reference

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

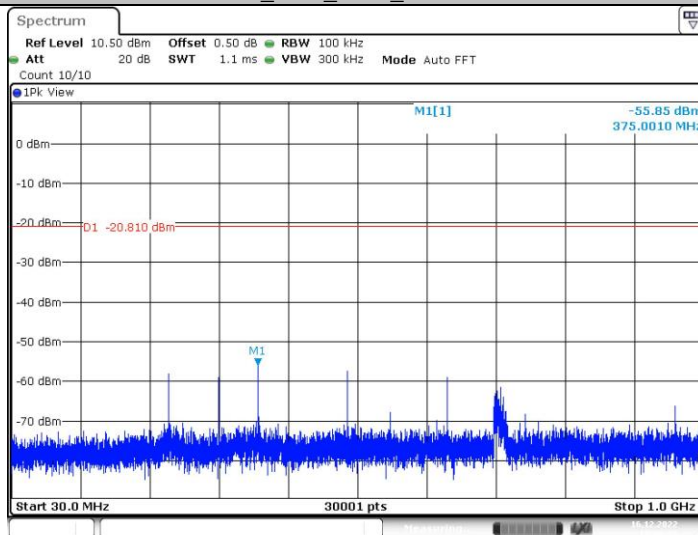


For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : [yz.cnca.cn](http://yz.cnca.cn)



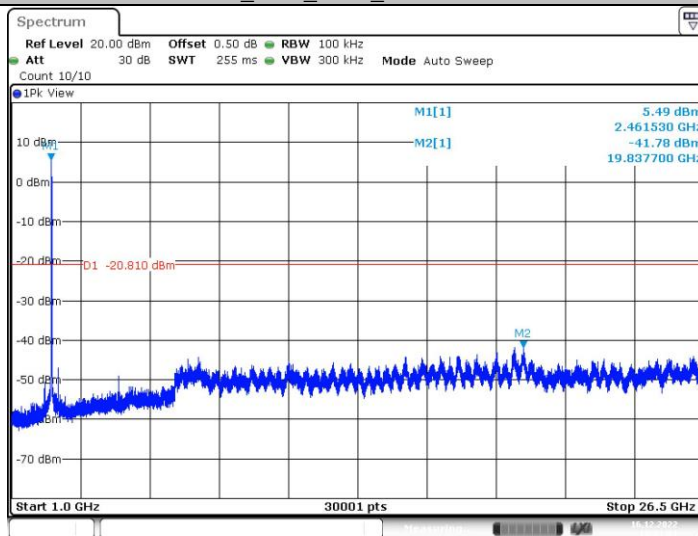
Date: 16.DEC.2022 10:00:32

11G\_Ant1\_2462\_30~1000



Date: 16.DEC.2022 10:00:38

11G\_Ant1\_2462\_1000~26500



Date: 16.DEC.2022 10:01:01

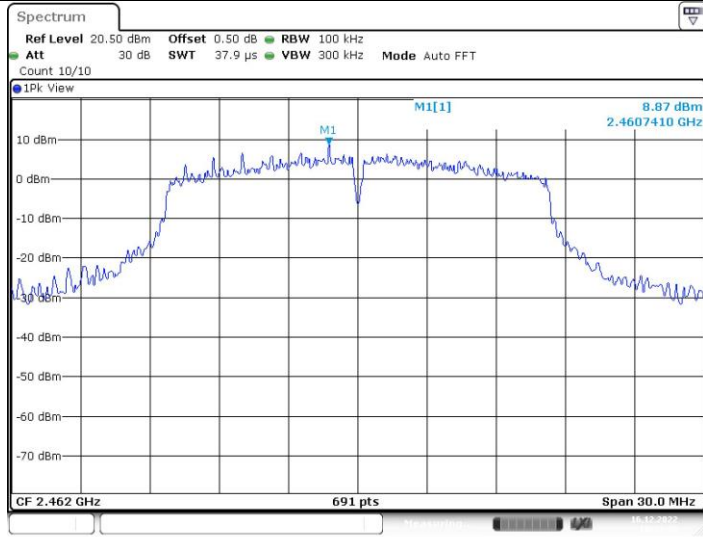
11G\_Ant2\_2462\_0~Reference

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

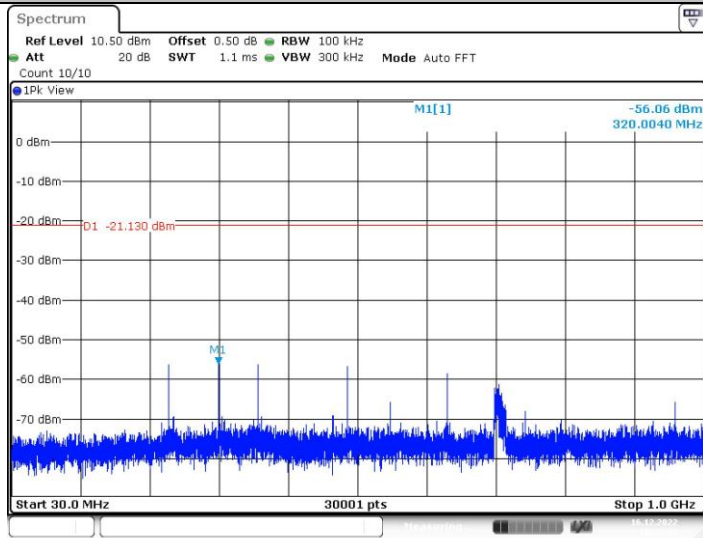


For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : [yz.cnca.cn](http://yz.cnca.cn)



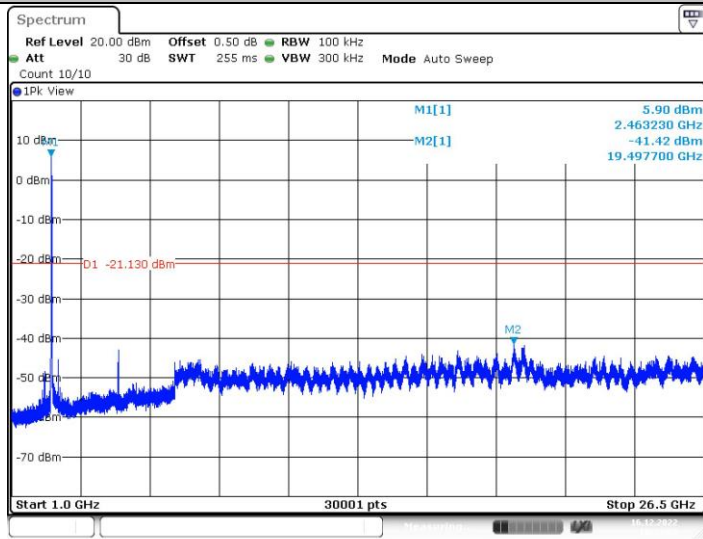
Date: 16.DEC.2022 10:23:30

11G\_Ant2\_2462\_30~1000



Date: 16.DEC.2022 10:23:36

11G\_Ant2\_2462\_1000~26500



Date: 16.DEC.2022 10:23:59

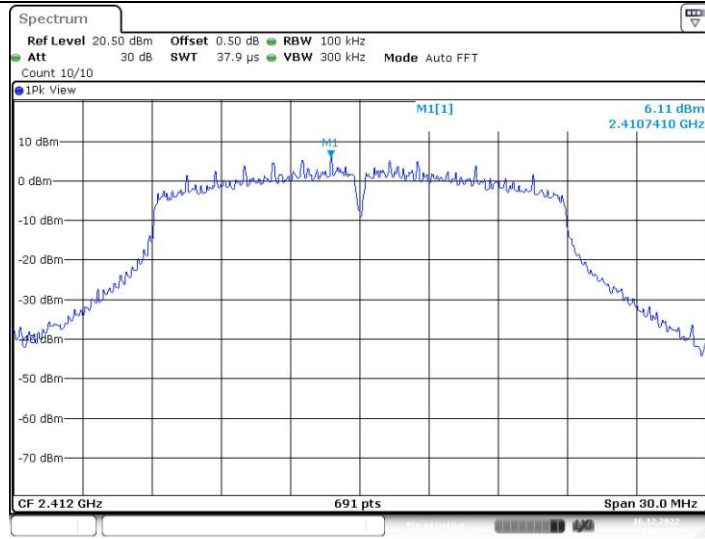
11N20MIMO\_Ant1\_2412\_0~Reference

CTC Laboratories, Inc.

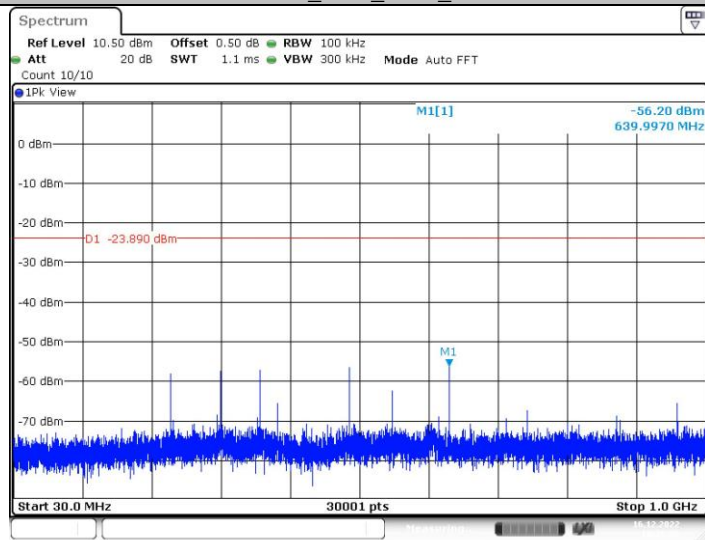
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China  
Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn



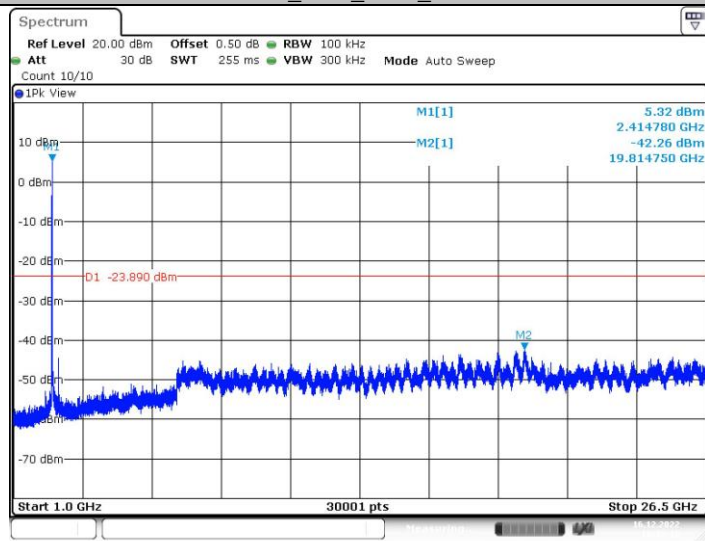
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : [yz.cnca.cn](http://yz.cnca.cn)



11N20MIMO\_Ant1\_2412\_30~1000



11N20MIMO\_Ant1\_2412\_1000~26500



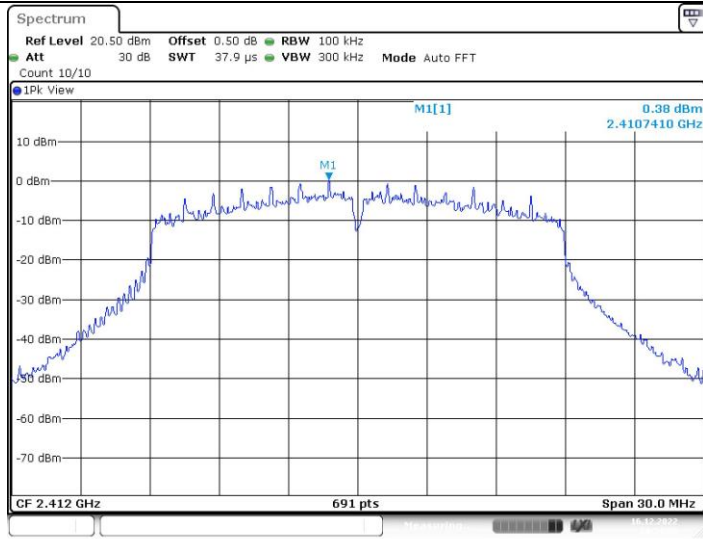
11N20MIMO\_Ant2\_2412\_0~Reference

CTC Laboratories, Inc.

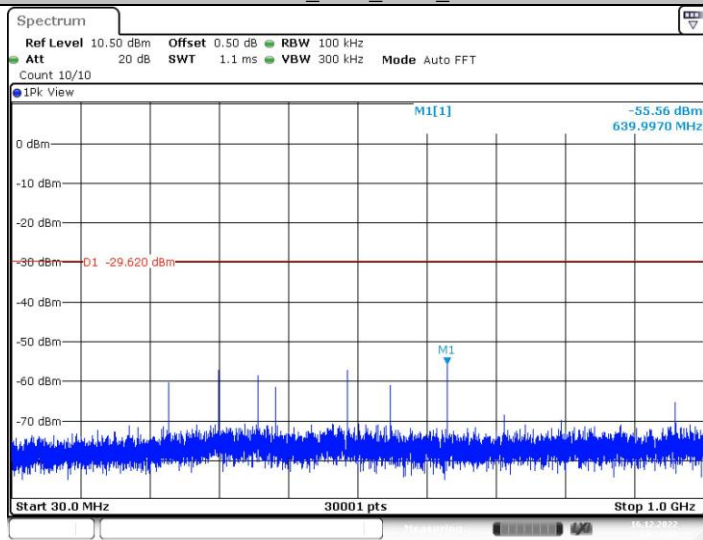
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China  
Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn



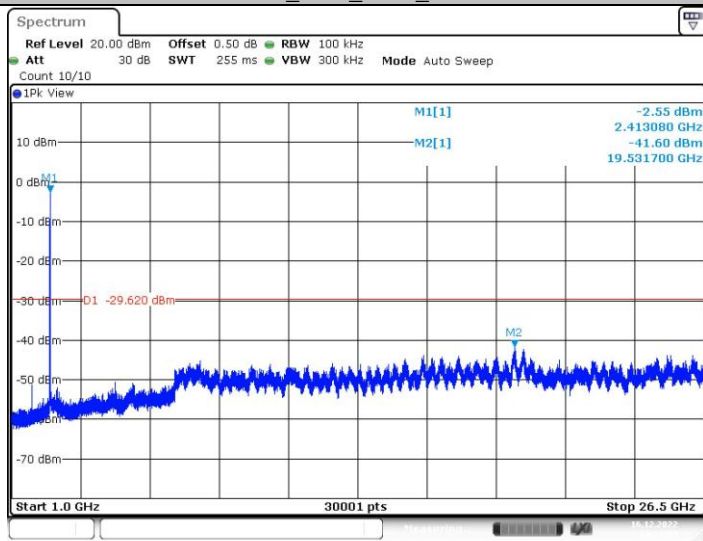
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : [yz.cnca.cn](http://yz.cnca.cn)



11N20MIMO\_Ant2\_2412\_30-1000



11N20MIMO\_Ant2\_2412\_1000-26500



11N20MIMO\_Ant1\_2437\_0-Reference

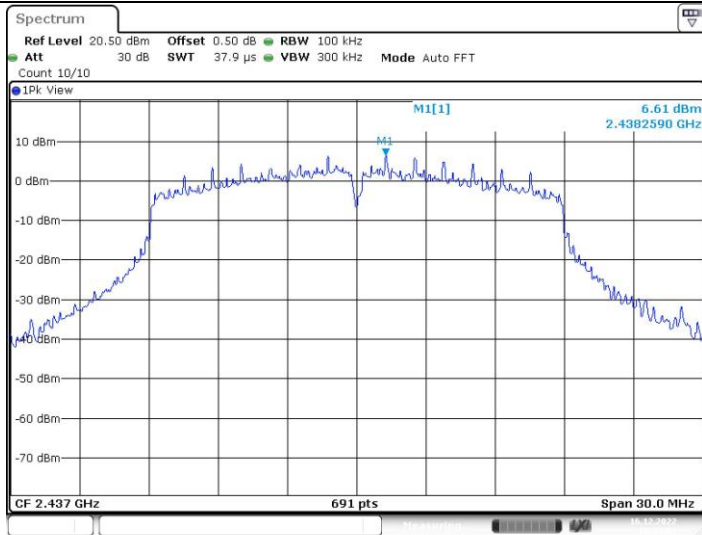
CTC Laboratories, Inc.

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



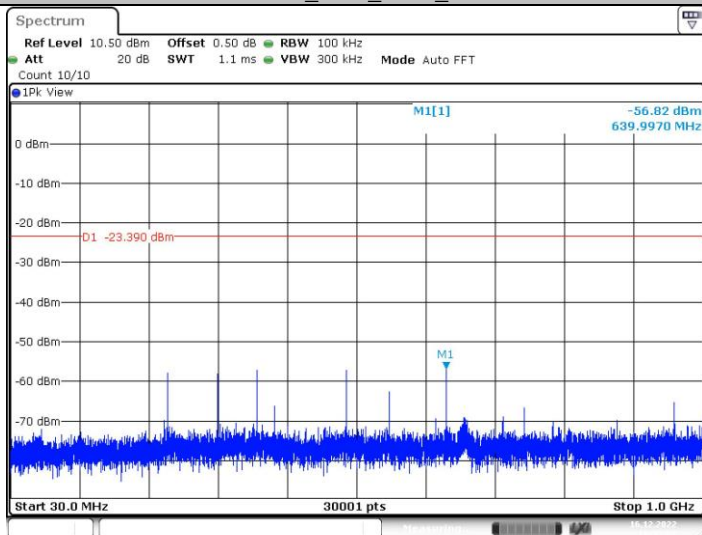
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : [yz.cnca.cn](http://yz.cnca.cn)





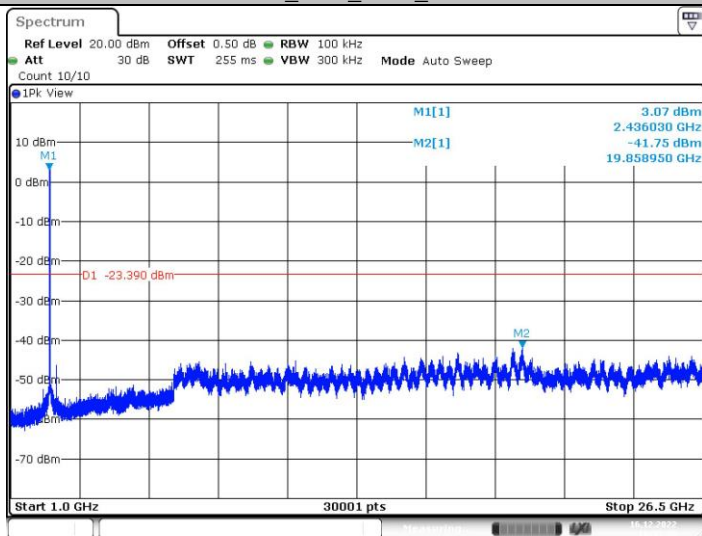
Date: 16.DEC.2022 10:35:01

11N20MIMO\_Ant1\_2437\_30~1000



Date: 16.DEC.2022 10:35:07

11N20MIMO\_Ant1\_2437\_1000~26500



Date: 16.DEC.2022 10:35:30

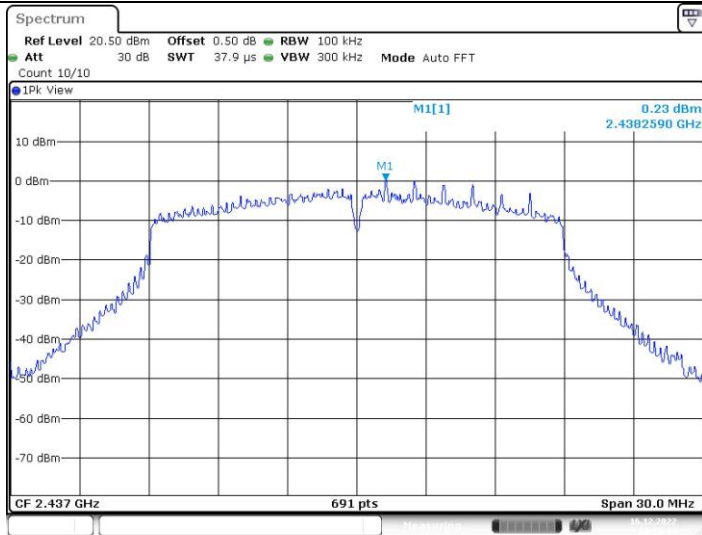
11N20MIMO\_Ant2\_2437\_0~Reference

CTC Laboratories, Inc.

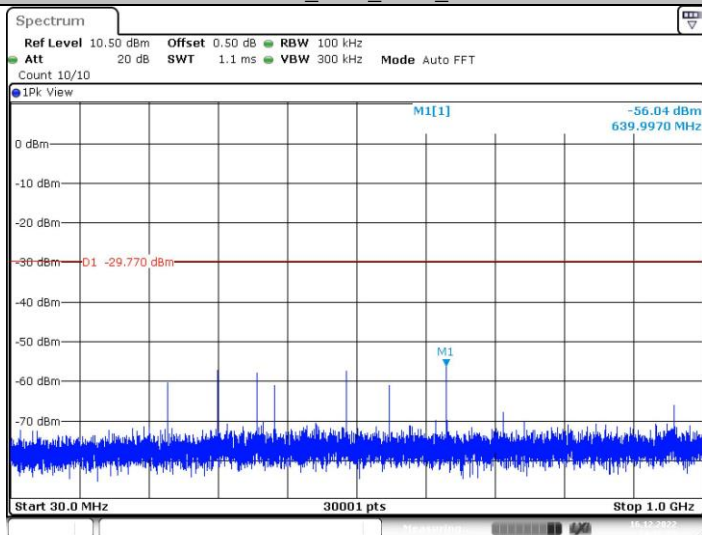
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China  
Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn



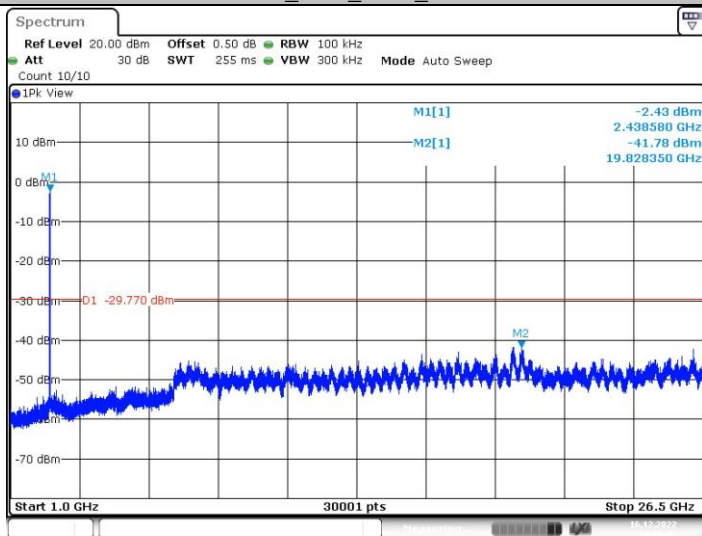
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : [yz.cnca.cn](http://yz.cnca.cn)



11N20MIMO\_Ant2\_2437\_30~1000



11N20MIMO\_Ant2\_2437\_1000~26500



11N20MIMO\_Ant1\_2462\_0~Reference

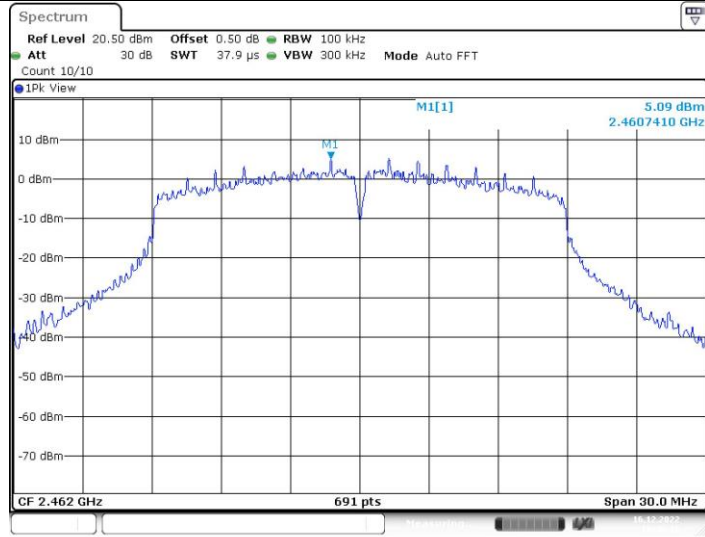
CTC Laboratories, Inc.

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

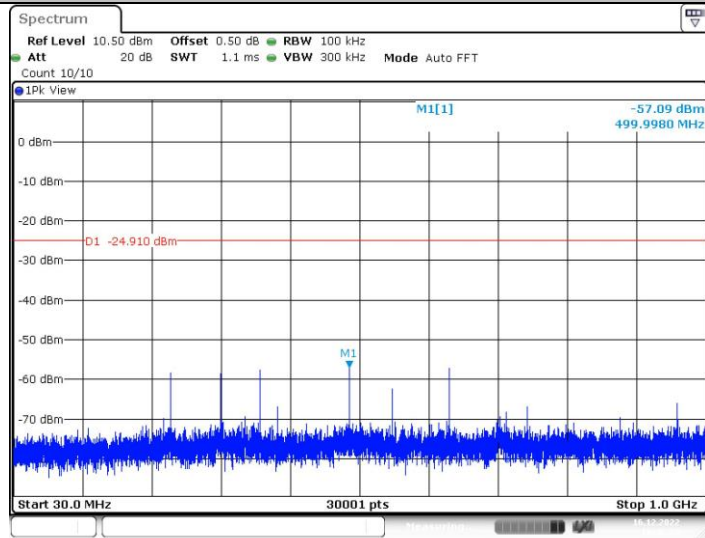


For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : [yz.cnca.cn](http://yz.cnca.cn)

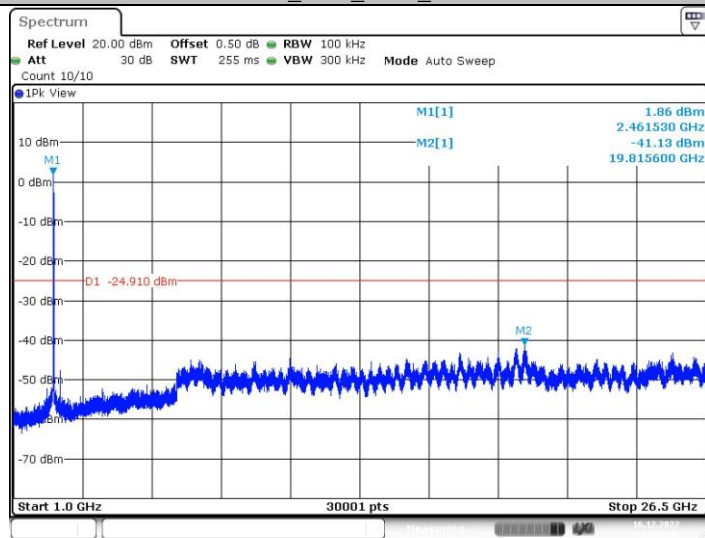




11N20MIMO\_Ant1\_2462\_30~1000



11N20MIMO\_Ant1\_2462\_1000~26500



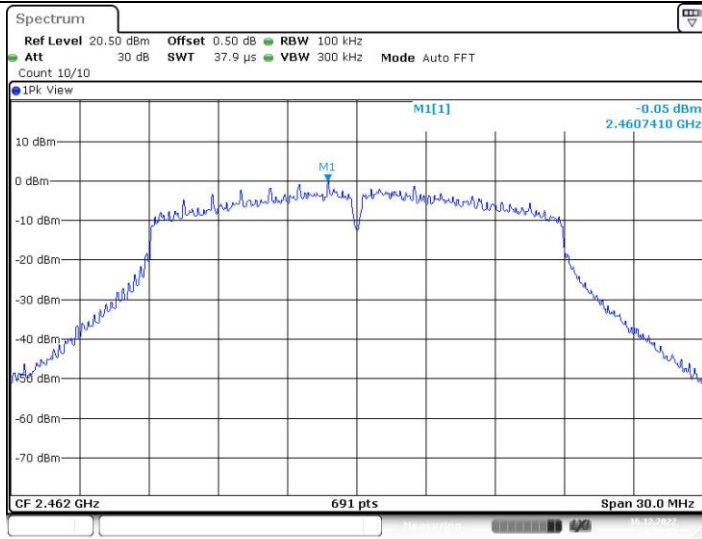
11N20MIMO\_Ant2\_2462\_0~Reference

CTC Laboratories, Inc.

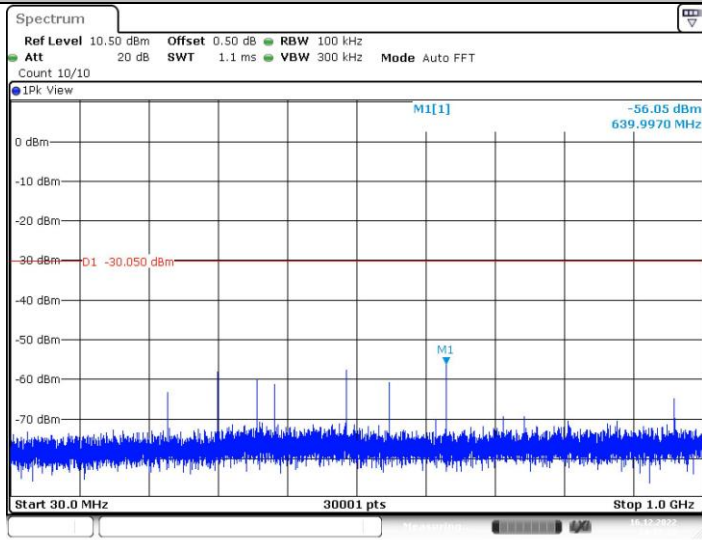
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China  
Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn



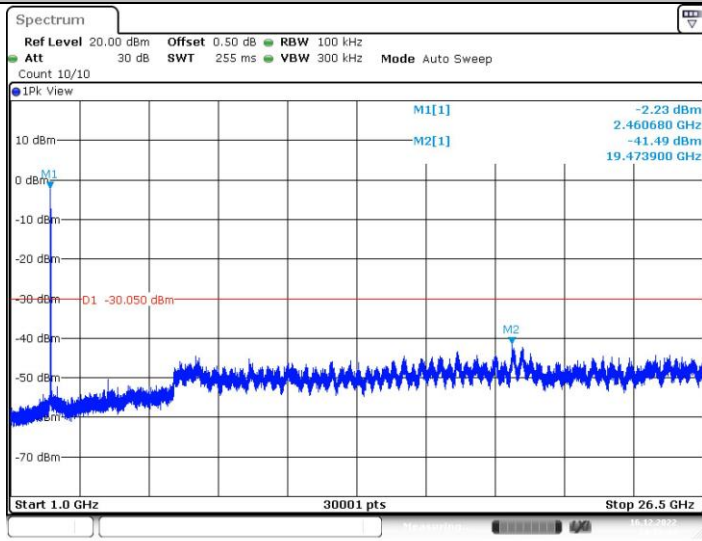
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : [yz.cnca.cn](http://yz.cnca.cn)



11N20MIMO\_Ant2\_2462\_30~1000



11N20MIMO\_Ant2\_2462\_1000~26500



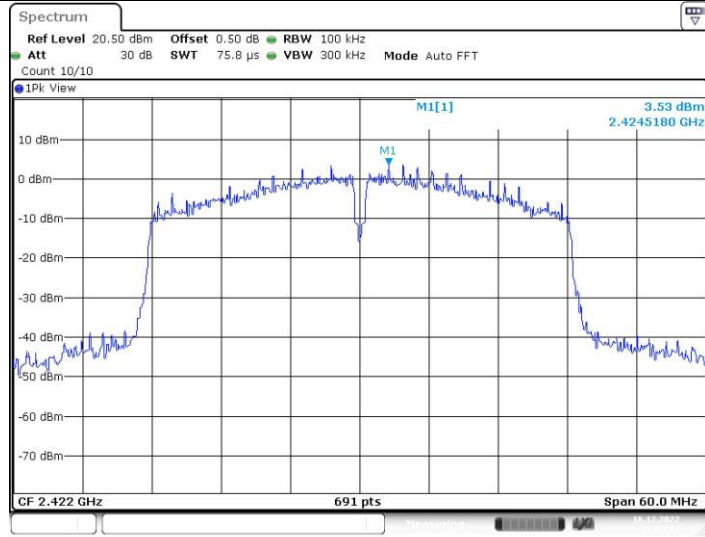
11N40MIMO\_Ant1\_2422\_0~Reference

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

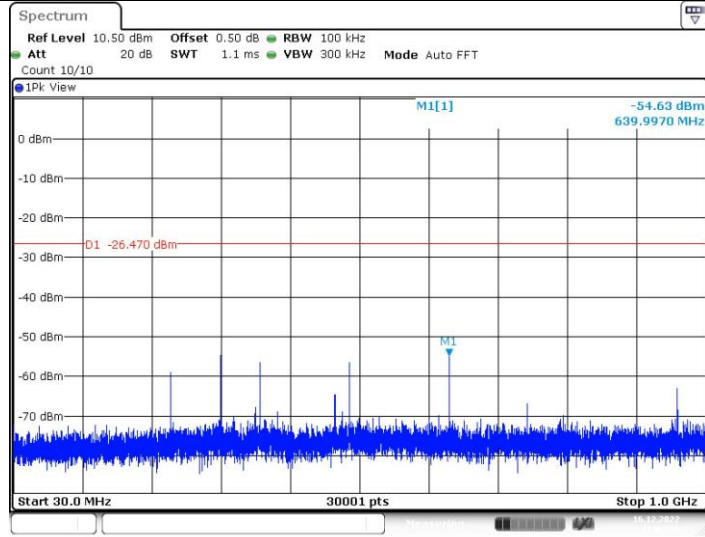


For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : [yz.cnca.cn](http://yz.cnca.cn)



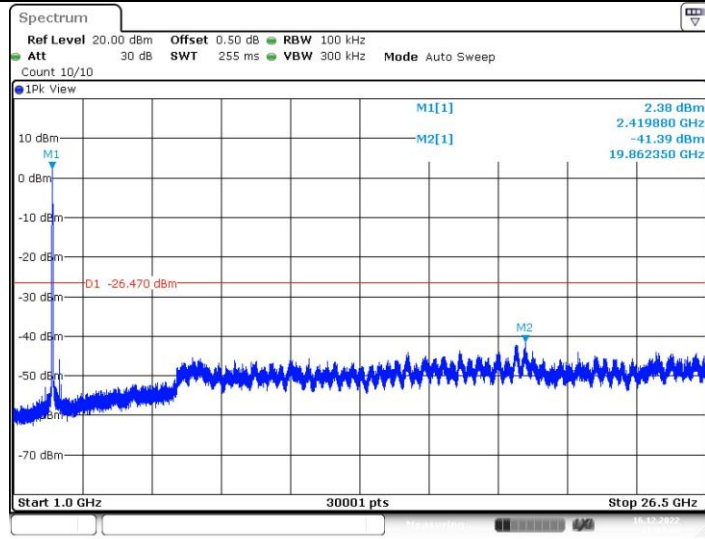
Date: 16.DEC.2022 11:04:11

11N40MIMO\_Ant1\_2422\_30-1000



Date: 16.DEC.2022 11:04:16

11N40MIMO\_Ant1\_2422\_1000-26500



Date: 16.DEC.2022 11:04:40

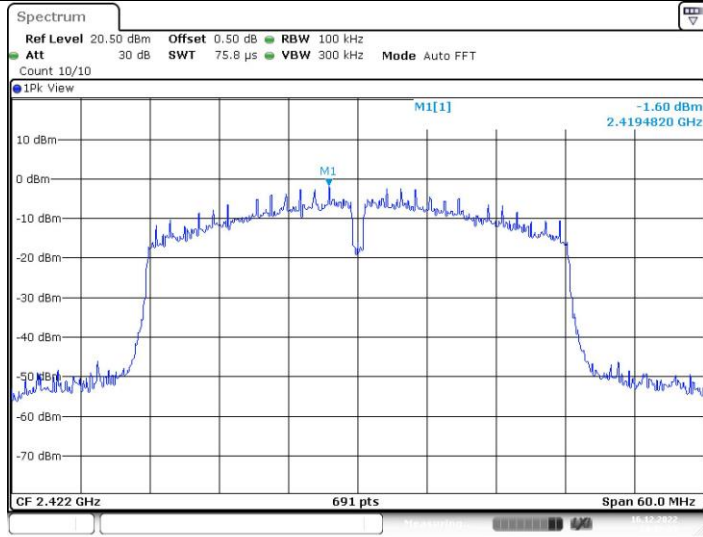
11N40MIMO\_Ant2\_2422\_0-Reference

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

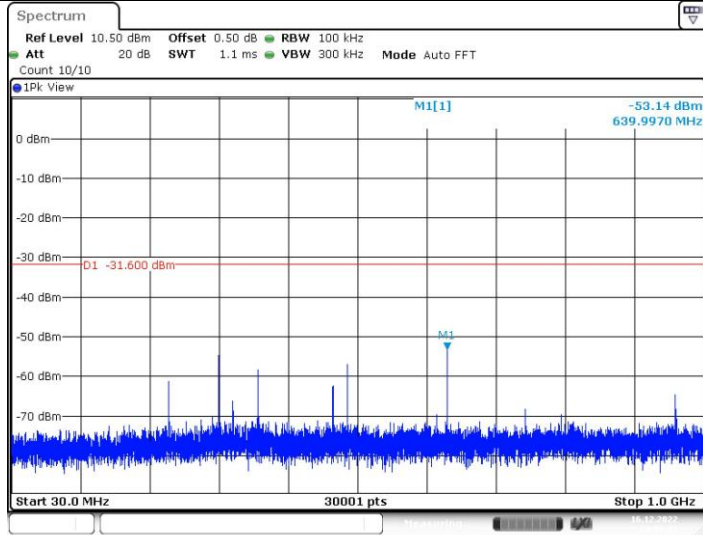


For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : [yz.cnca.cn](http://yz.cnca.cn)



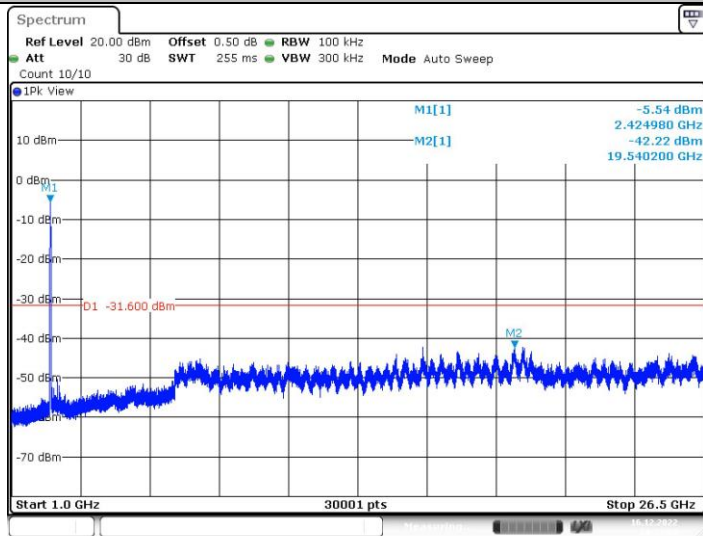
Date: 16.DEC.2022 14:32:36

11N40MIMO\_Ant2\_2422\_30~1000



Date: 16.DEC.2022 14:32:41

11N40MIMO\_Ant2\_2422\_1000~26500



Date: 16.DEC.2022 14:33:05

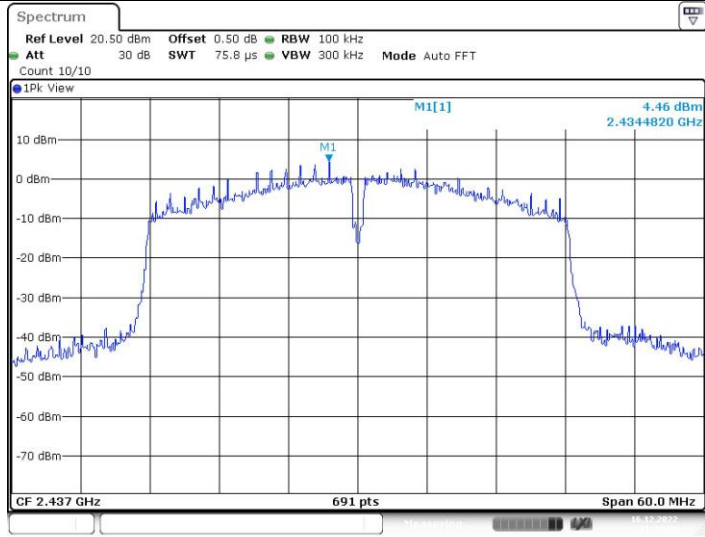
11N40MIMO\_Ant1\_2437\_0~Reference

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

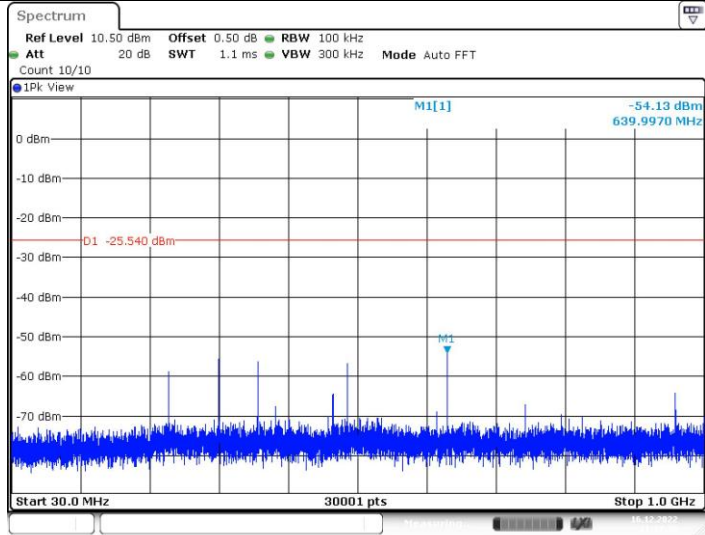


For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : [yz.cnca.cn](http://yz.cnca.cn)



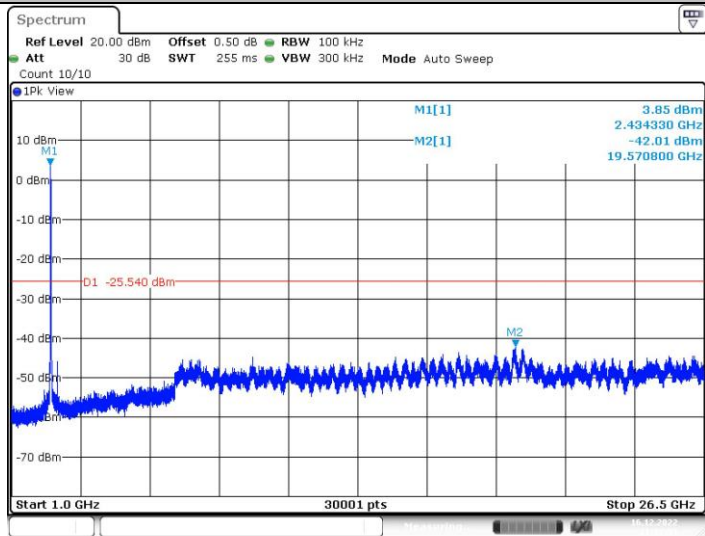
Date: 16.DEC.2022 11:17:24

11N40MIMO\_Ant1\_2437\_30~1000



Date: 16.DEC.2022 11:17:30

11N40MIMO\_Ant1\_2437\_1000~26500



Date: 16.DEC.2022 11:17:53

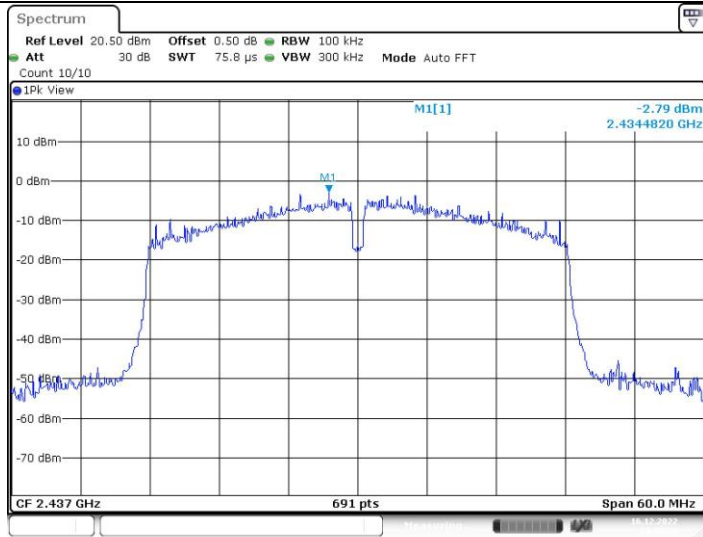
11N40MIMO\_Ant2\_2437\_0~Reference

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

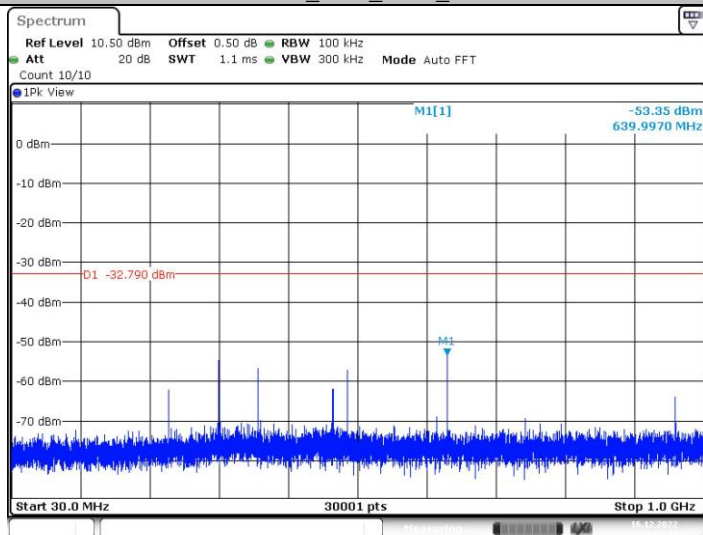


For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : [yz.cnca.cn](http://yz.cnca.cn)



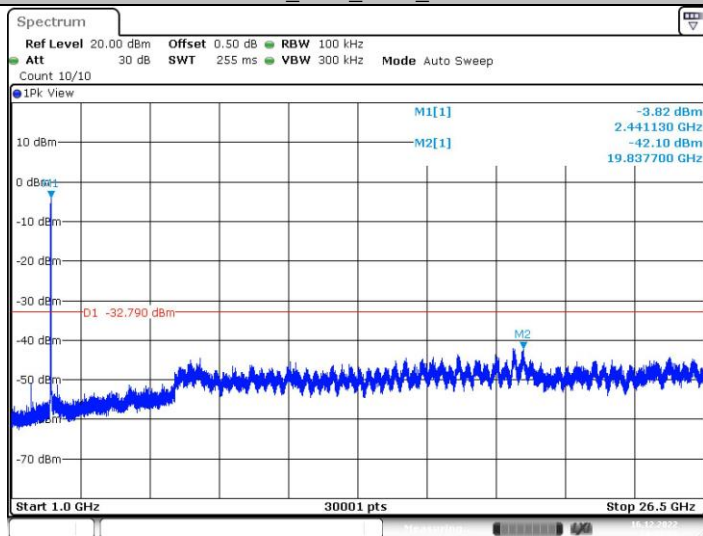
Date: 16.DEC.2022 14:34:08

11N40MIMO\_Ant2\_2437\_30~1000



Date: 16.DEC.2022 14:34:14

11N40MIMO\_Ant2\_2437\_1000~26500



Date: 16.DEC.2022 14:34:37

11N40MIMO\_Ant1\_2452\_0~Reference

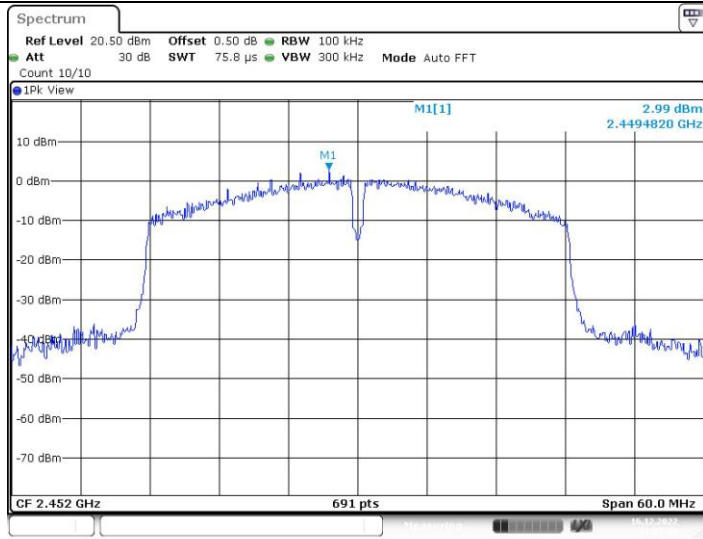
CTC Laboratories, Inc.

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

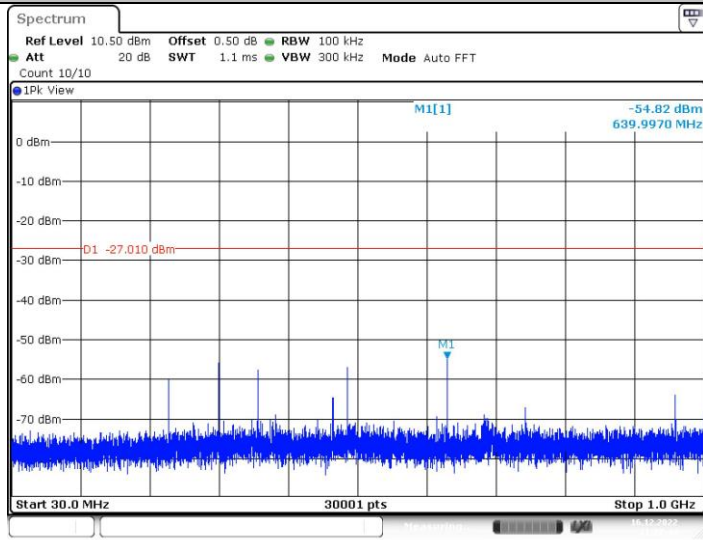


For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : [yz.cnca.cn](http://yz.cnca.cn)

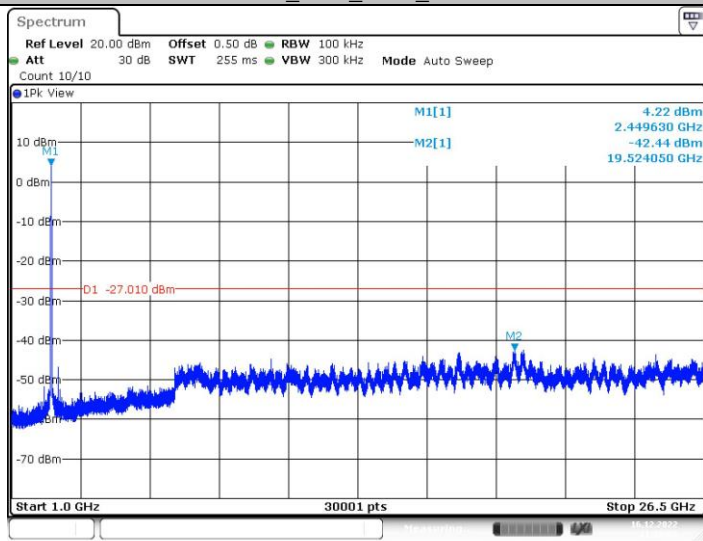




11N40MIMO\_Ant1\_2452\_30~1000



11N40MIMO\_Ant1\_2452\_1000~26500



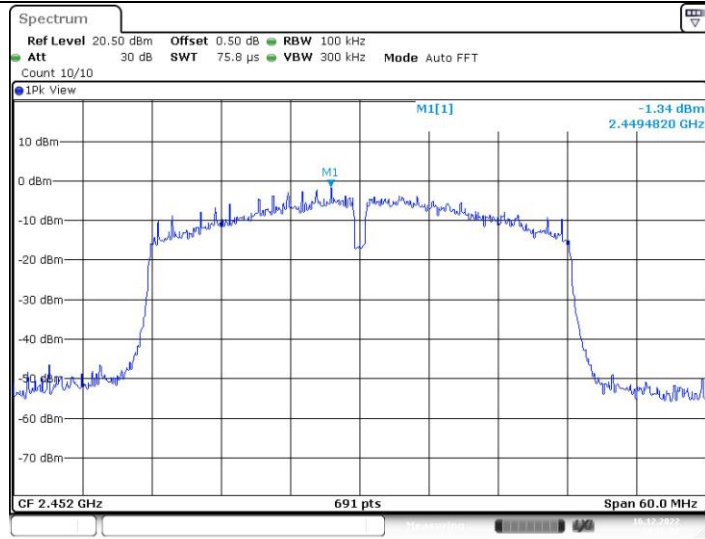
11N40MIMO\_Ant2\_2452\_0~Reference

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

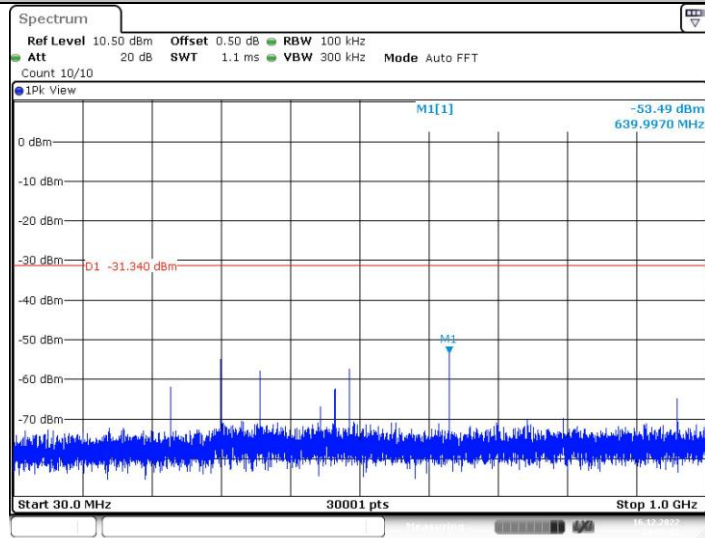


For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : [yz.cnca.cn](http://yz.cnca.cn)



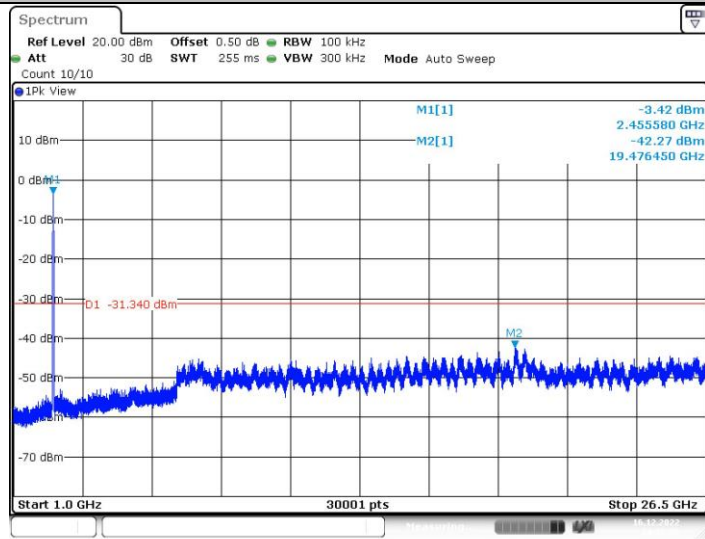
Date: 16.DEC.2022 14:36:26

11N40MIMO\_Ant2\_2452\_30~1000



Date: 16.DEC.2022 14:36:32

11N40MIMO\_Ant2\_2452\_1000~26500



Date: 16.DEC.2022 14:36:56

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](http://yz.cnca.cn)

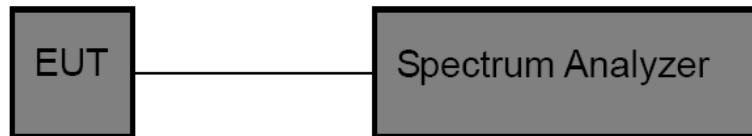
### 3.5. Bandwidth

#### 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)
DTS Bandwidth	$\geq 500$ KHz (6dB bandwidth)	2400~2483.5

#### 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. DTS Spectrum Setting:
  - (1) Set RBW = 100 kHz.
  - (2) Set the video bandwidth (VBW)  $\geq 3$  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)  $\geq 3$  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

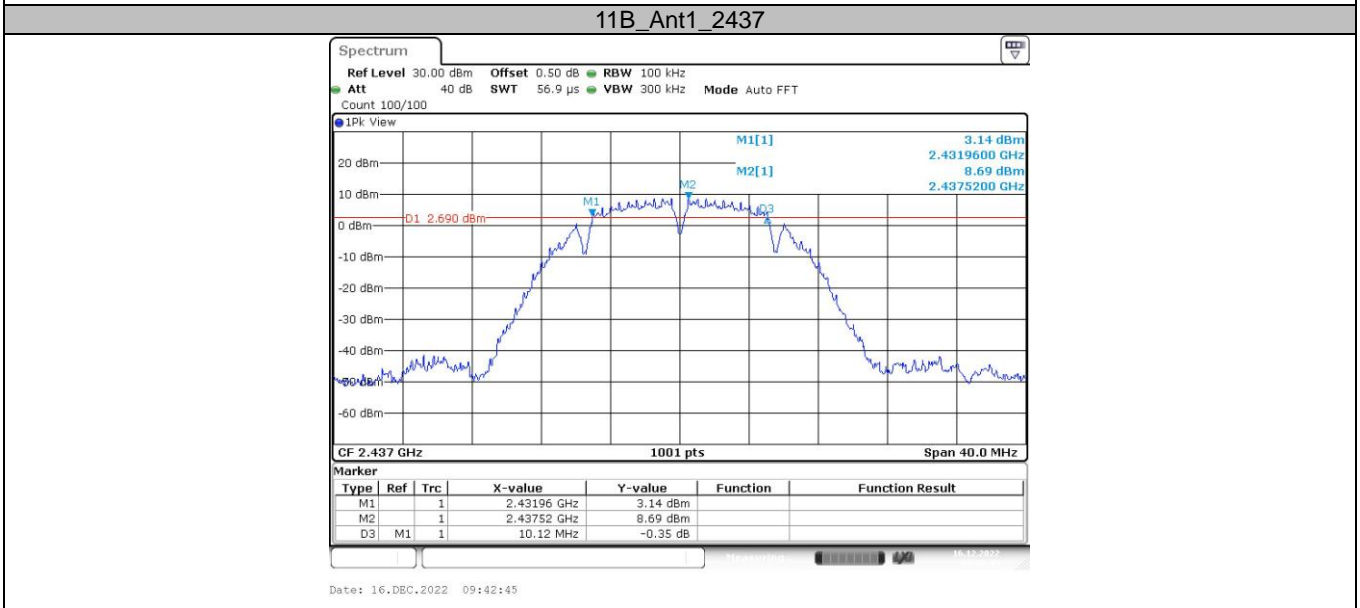
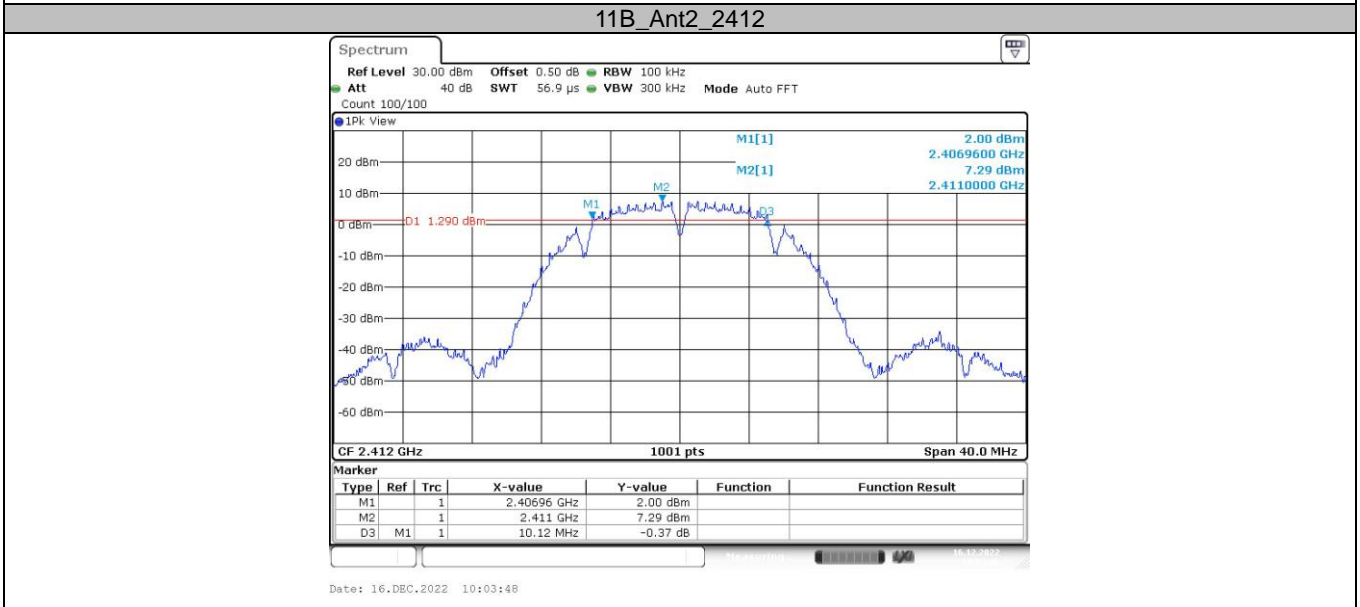
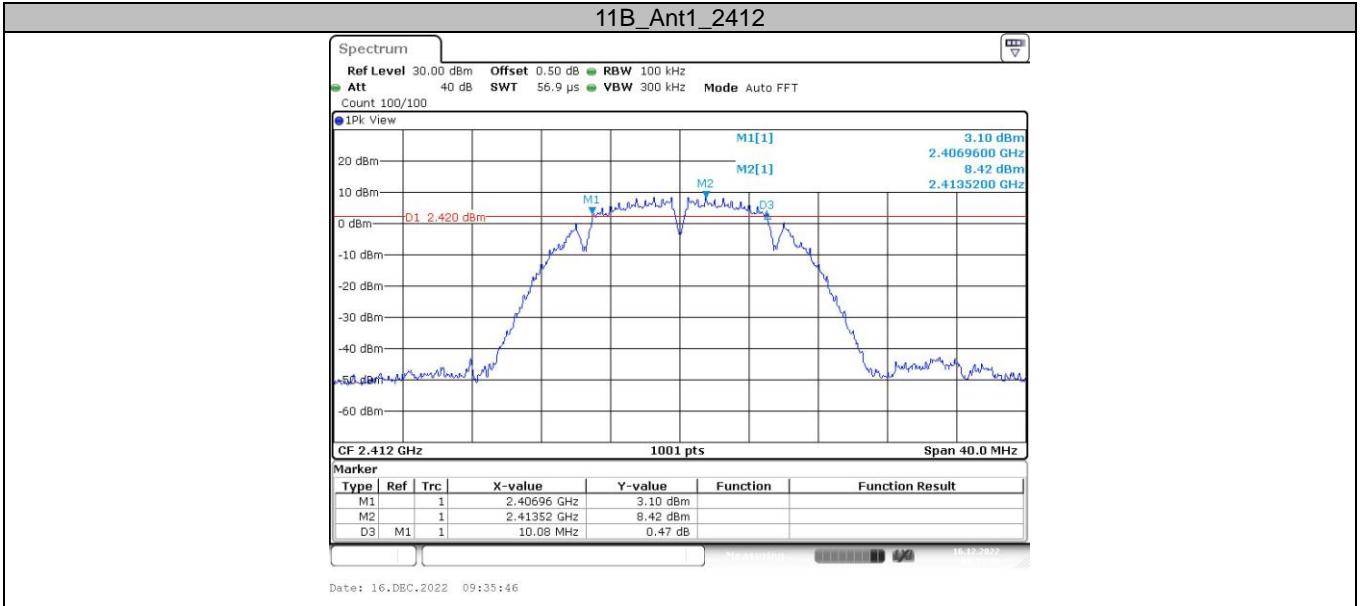
Please refer to the clause 2.4.

**Test Results**

Test Mode	Antenna	Frequency (MHz)	OCB [MHz]	DTS BW [MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.427	10.08	0.5	PASS
	Ant2	2412	13.307	10.12	0.5	PASS
	Ant1	2437	13.506	10.12	0.5	PASS
	Ant2	2437	13.387	10.08	0.5	PASS
	Ant1	2462	13.626	10.08	0.5	PASS
	Ant2	2462	13.307	10.04	0.5	PASS
11G	Ant1	2412	16.743	15.08	0.5	PASS
	Ant2	2412	17.063	15.08	0.5	PASS
	Ant1	2437	16.823	15.04	0.5	PASS
	Ant2	2437	16.863	15.08	0.5	PASS
	Ant1	2462	16.943	15.68	0.5	PASS
	Ant2	2462	17.063	13.84	0.5	PASS
11N20MIMO	Ant1	2412	17.742	12.60	0.5	PASS
	Ant2	2412	17.942	13.84	0.5	PASS
	Ant1	2437	17.662	15.36	0.5	PASS
	Ant2	2437	17.742	13.80	0.5	PASS
	Ant1	2462	17.662	15.08	0.5	PASS
	Ant2	2462	17.782	15.12	0.5	PASS
11N40MIMO	Ant1	2422	34.366	25.04	0.5	PASS
	Ant2	2422	34.845	23.84	0.5	PASS
	Ant1	2437	34.765	21.36	0.5	PASS
	Ant2	2437	34.525	21.68	0.5	PASS
	Ant1	2452	34.446	23.84	0.5	PASS
	Ant2	2452	34.605	20.48	0.5	PASS



DTS Bandwidth:



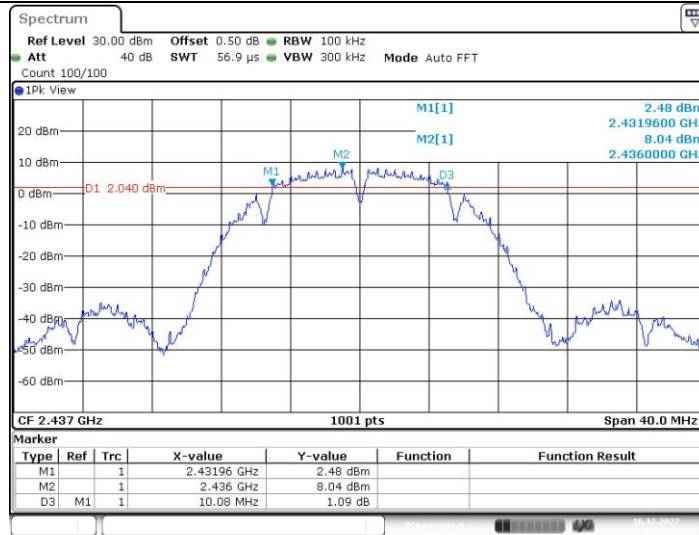
11B\_Ant2\_2437

CTC Laboratories, Inc.

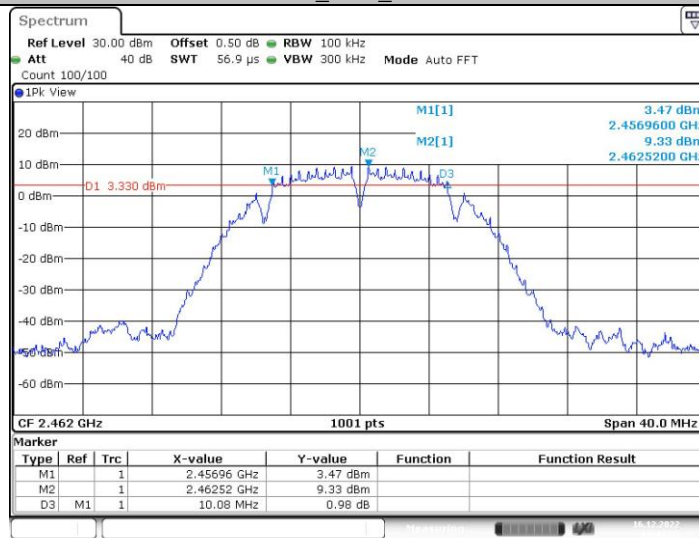
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China  
 Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn



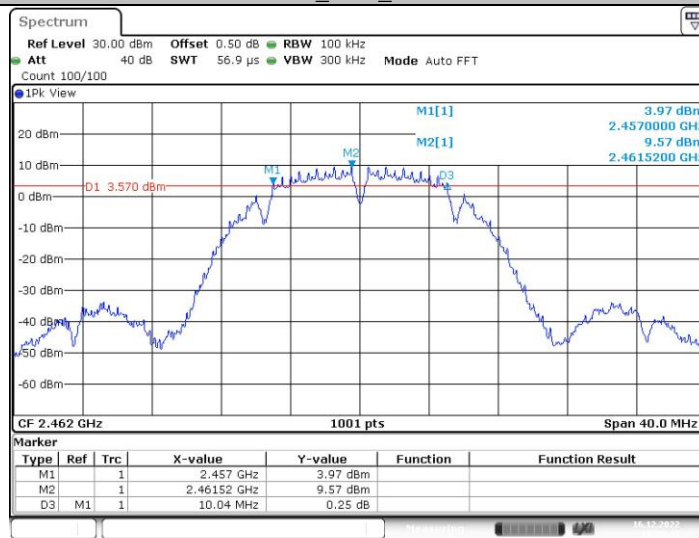
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : [yz.cnca.cn](http://yz.cnca.cn)



11B\_Ant1\_2462



11B\_Ant2\_2462



11G\_Ant1\_2412

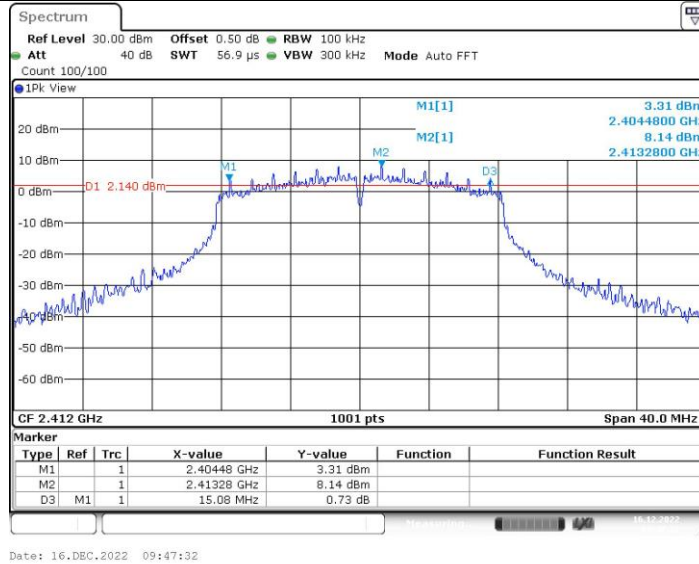
CTC Laboratories, Inc.

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

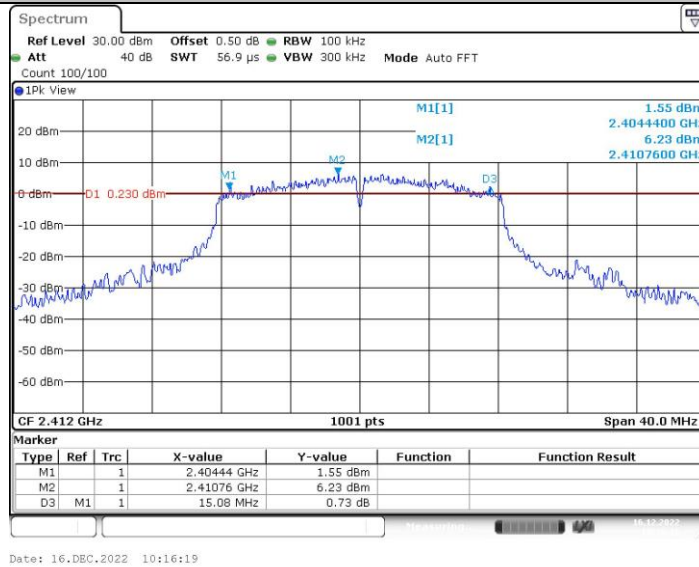


For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : [yz.cnca.cn](http://yz.cnca.cn)

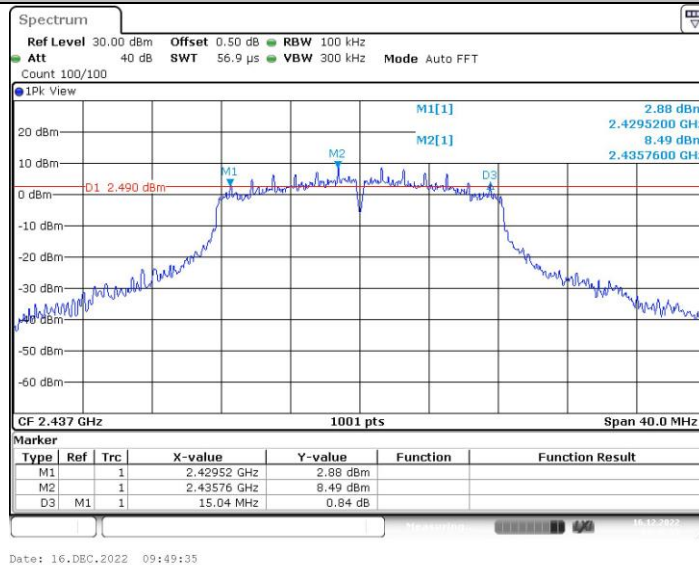




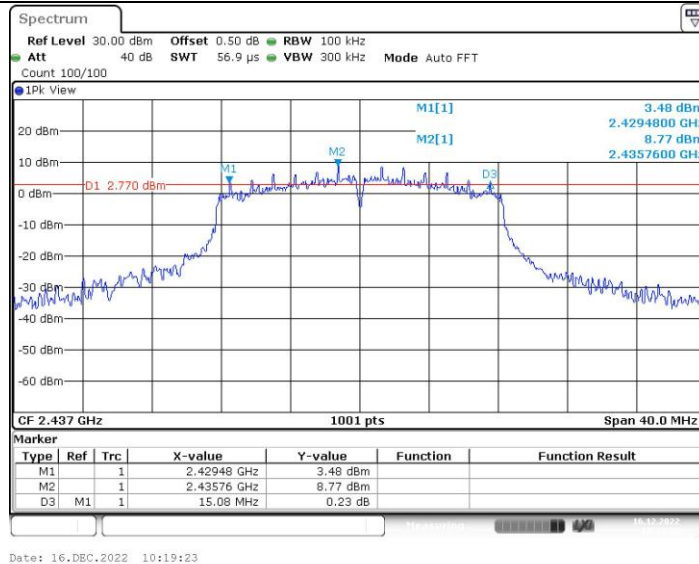
11G\_Ant2\_2412



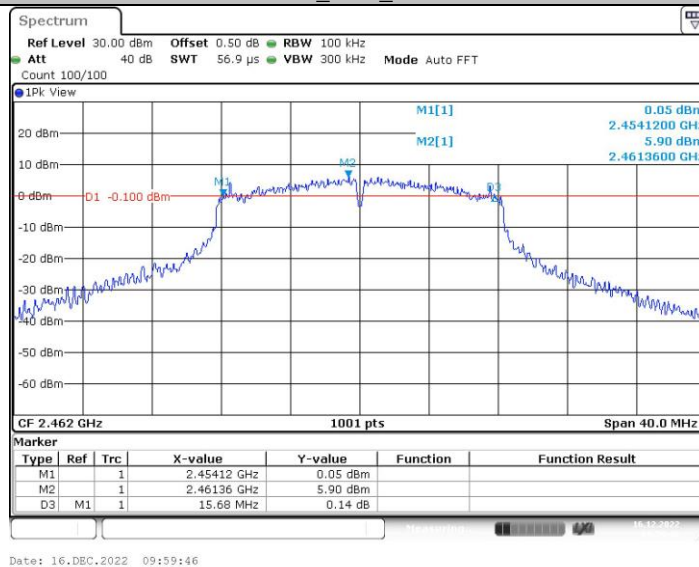
11G\_Ant1\_2437



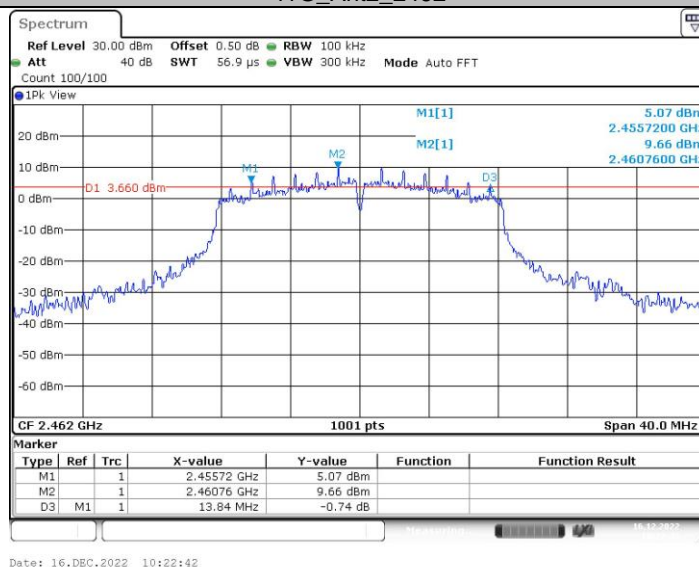
11G\_Ant2\_2437



11G\_Ant1\_2462



11G\_Ant2\_2462



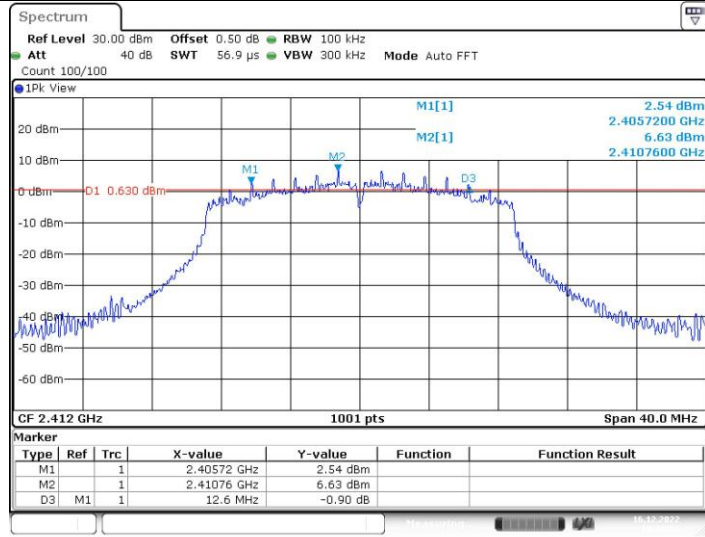
11N20MIMO\_Ant1\_2412

CTC Laboratories, Inc.

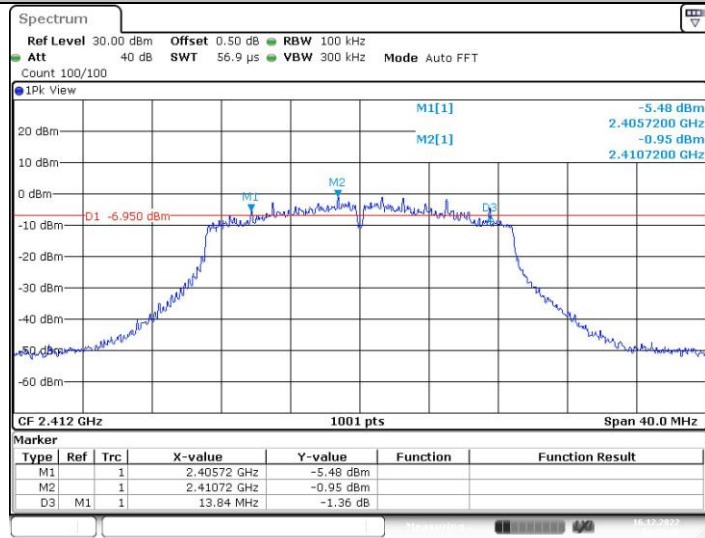
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China  
 Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn



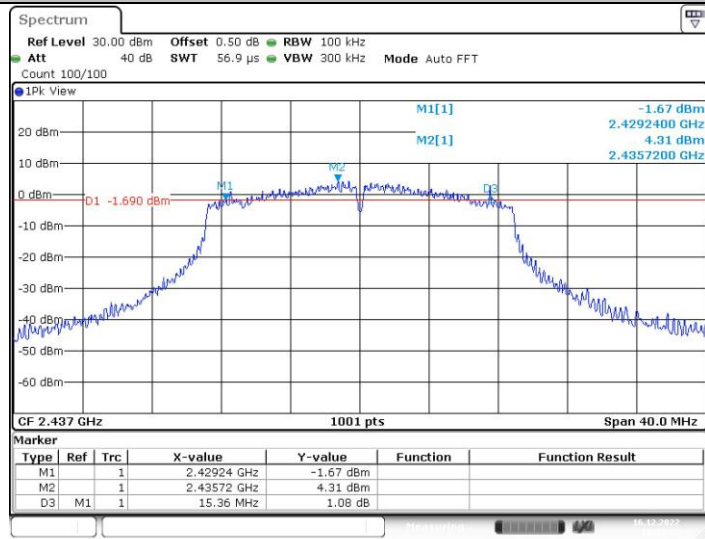
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : [yz.cnca.cn](http://yz.cnca.cn)



11N20MIMO\_Ant2\_2412



11N20MIMO\_Ant1\_2437



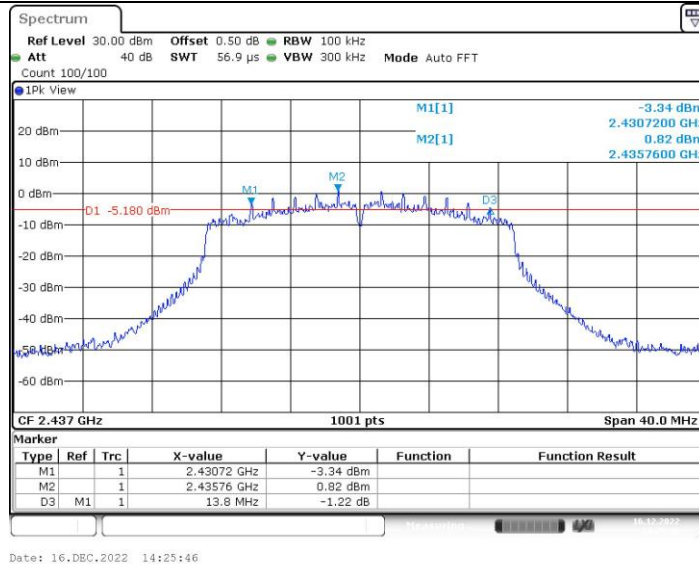
11N20MIMO\_Ant2\_2437

CTC Laboratories, Inc.

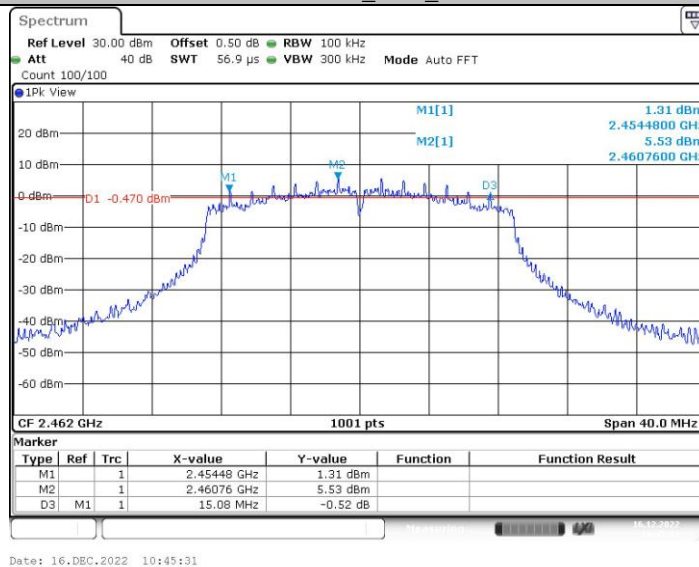
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China  
 Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn



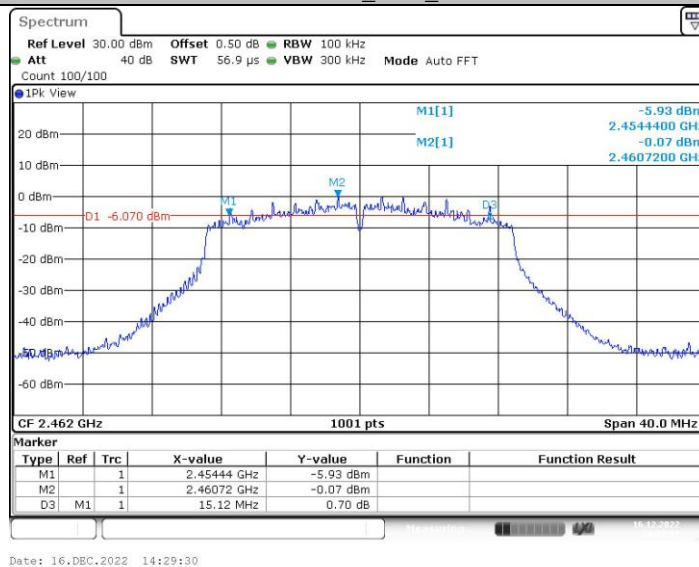
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : [yz.cnca.cn](http://yz.cnca.cn)



11N20MIMO\_Ant1\_2462



11N20MIMO\_Ant2\_2462



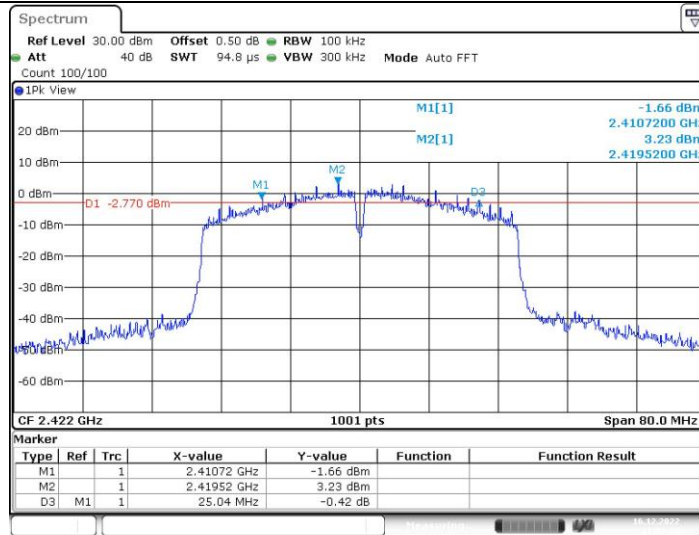
11N40MIMO\_Ant1\_2422

CTC Laboratories, Inc.

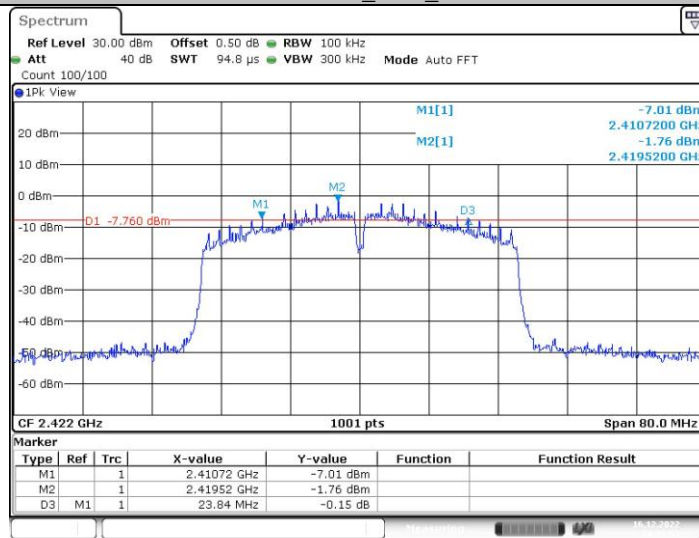
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China  
Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn



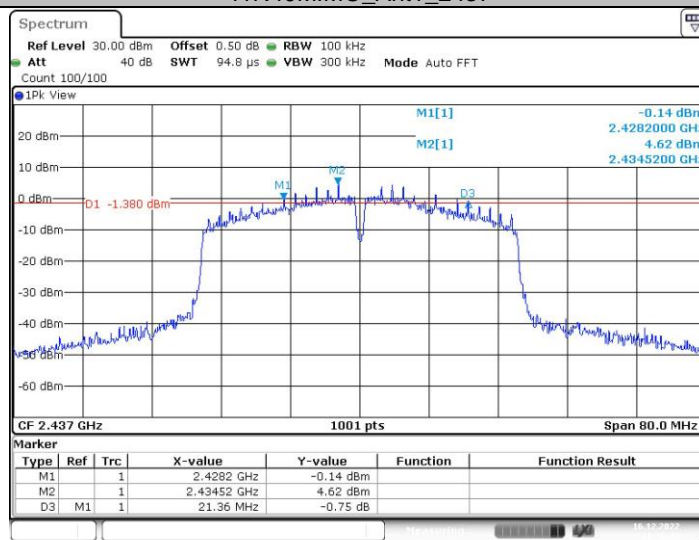
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : [yz.cnca.cn](http://yz.cnca.cn)



11N40MIMO\_Ant2\_2422



11N40MIMO\_Ant1\_2437



11N40MIMO\_Ant2\_2437

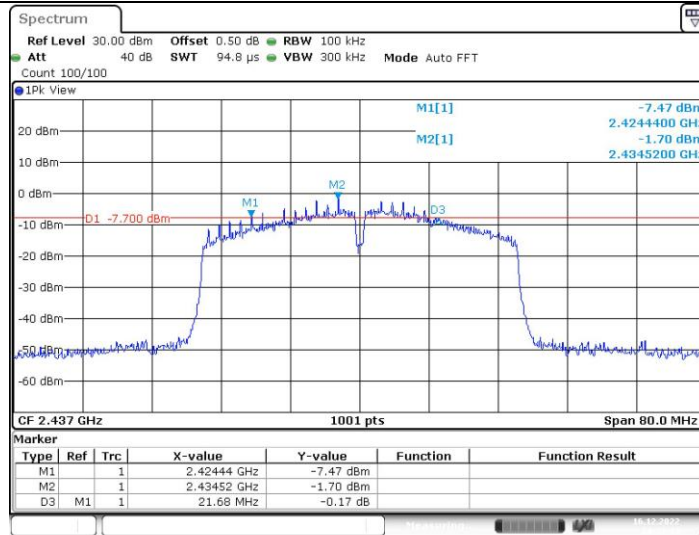
CTC Laboratories, Inc.

1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China  
Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn

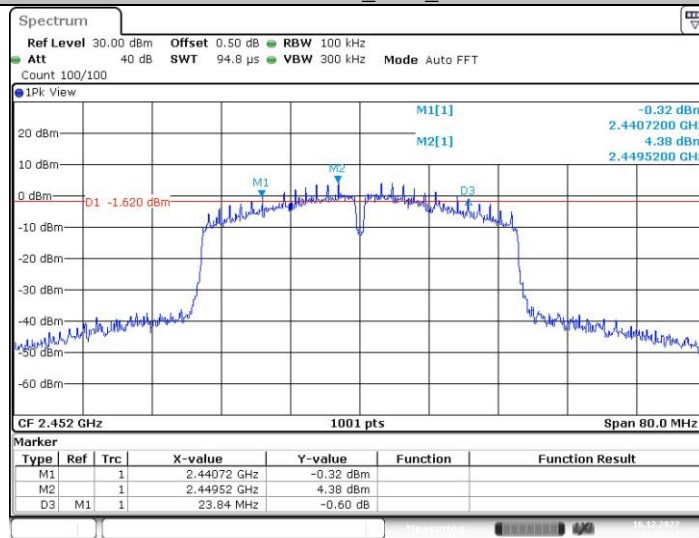


For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : [yz.cnca.cn](http://yz.cnca.cn)

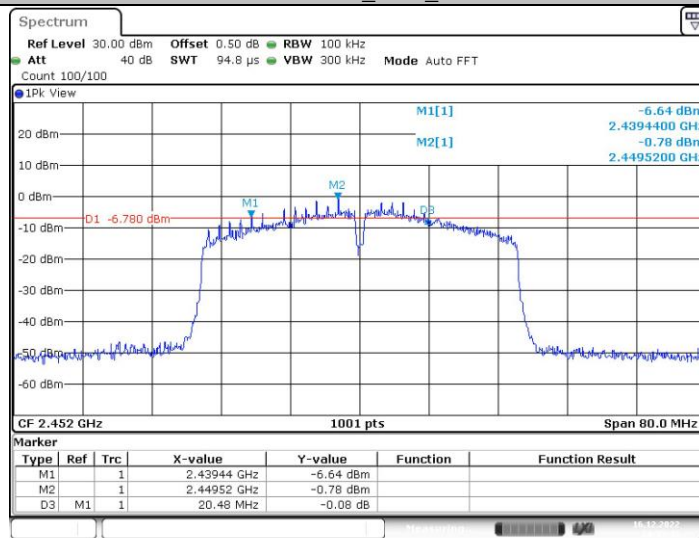




11N40MIMO\_Ant1\_2452



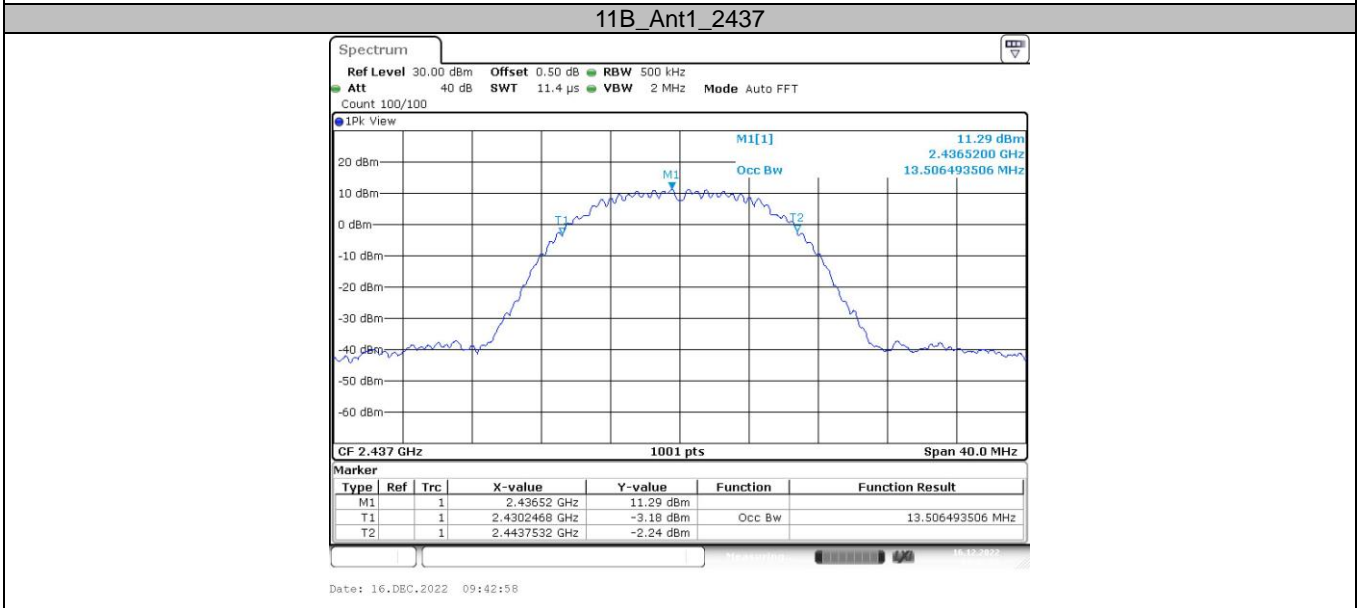
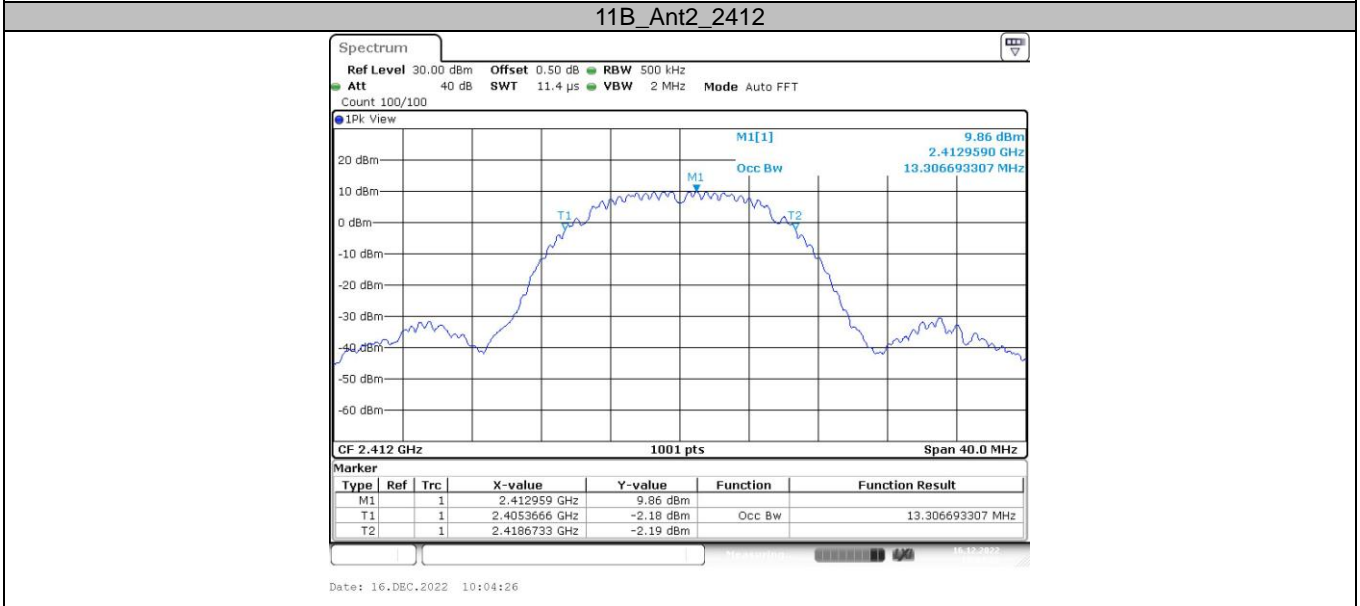
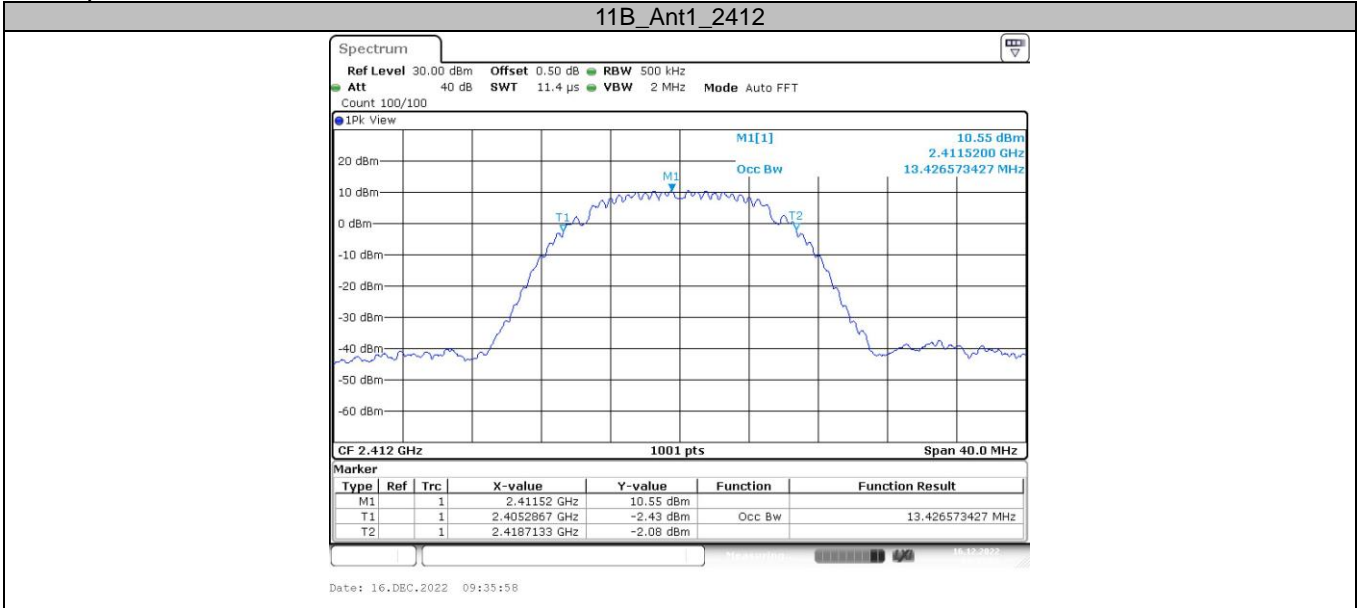
11N40MIMO\_Ant2\_2452







Occupied Channel Bandwidth:



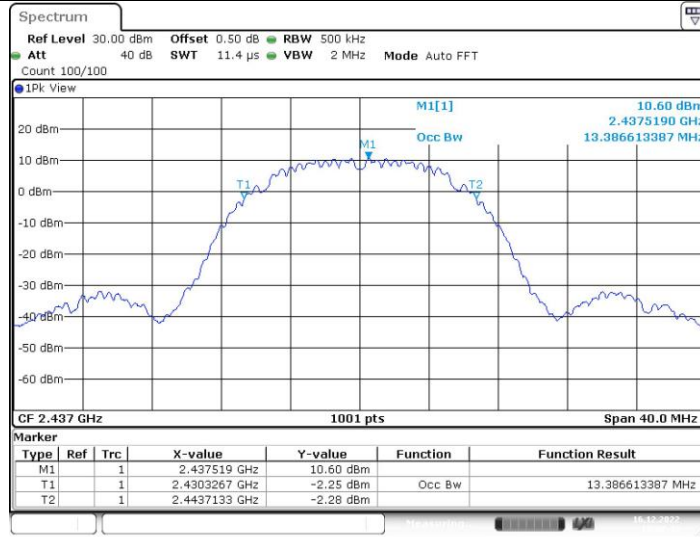
### 11B\_Ant2\_2437

CTC Laboratories, Inc.

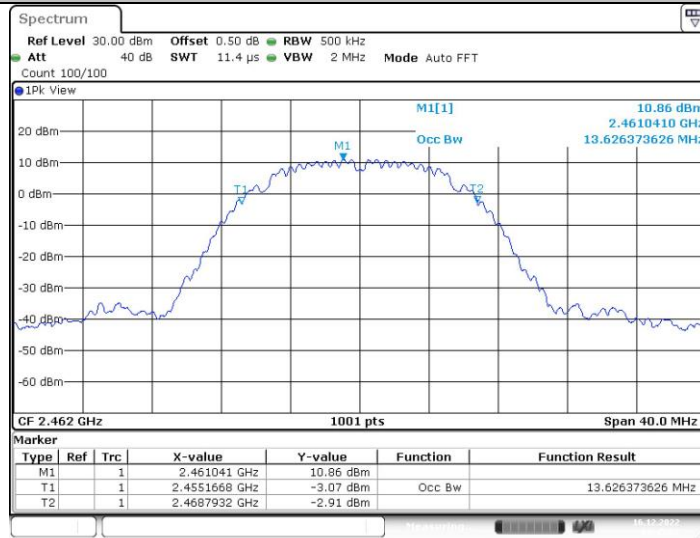
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China  
 Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn



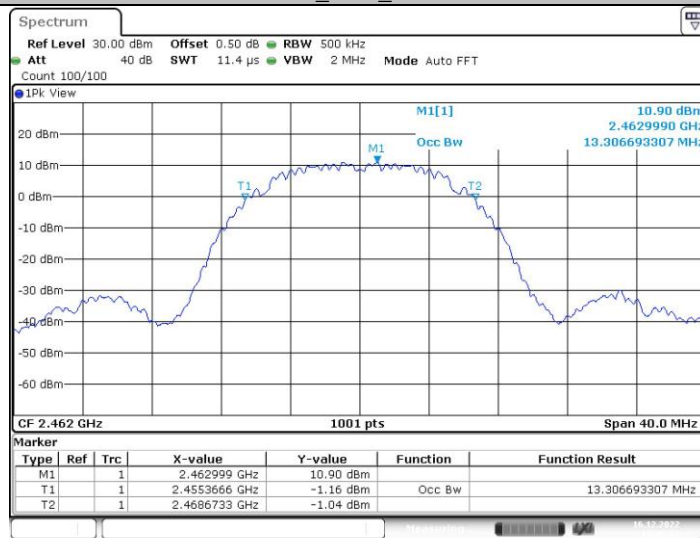
For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China : [yz.cnca.cn](http://yz.cnca.cn)



11B\_Ant1\_2462



11B\_Ant2\_2462



11G\_Ant1\_2412

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](http://yz.cnca.cn)