

Appendix Test Data

Report No.:	18220WC10100401	Test Date:	2021.6.1
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	22.3°C	Relative Humidity:	55 %
Pressure:	1012 hPa		

1. Duty Cycle

1.1 Ant1


1.1.1 Test Result

Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	/	/	8.38	8.47	98.94	0.05	0.00
		2437	/	/	8.36	8.47	98.70	0.06	0.12
		2462	/	/	8.38	8.47	98.94	0.05	0.00
802.11g	SISO	2412	/	/	1.39	1.41	98.51	0.07	0.10
		2437	/	/	1.39	1.41	98.51	0.07	0.00
		2462	/	/	1.39	1.41	98.51	0.07	0.11
802.11n (HT20)	SISO	2412	/	/	1.30	1.32	98.48	0.07	0.10
		2437	/	/	1.30	1.32	98.48	0.07	0.12
		2462	/	/	1.30	1.32	98.48	0.07	0.10
802.11n (HT40)	SISO	2422	/	/	100.00	100.00	100.00	0.00	0.00
		2437	/	/	100.00	100.00	100.00	0.00	0.00
		2452	/	/	100.00	100.00	100.00	0.00	0.00

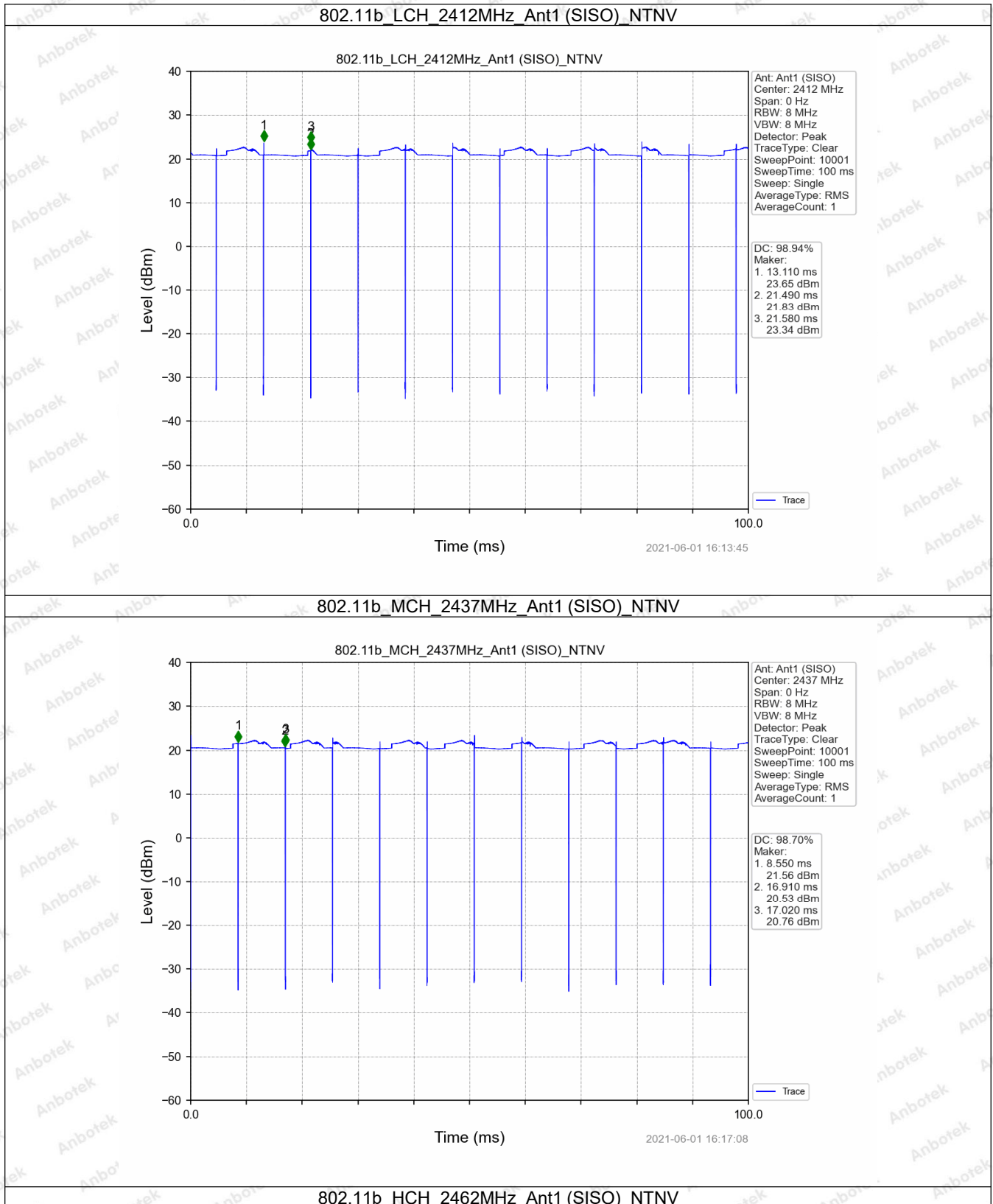
Shenzhen Anbotek Compliance Laboratory Limited

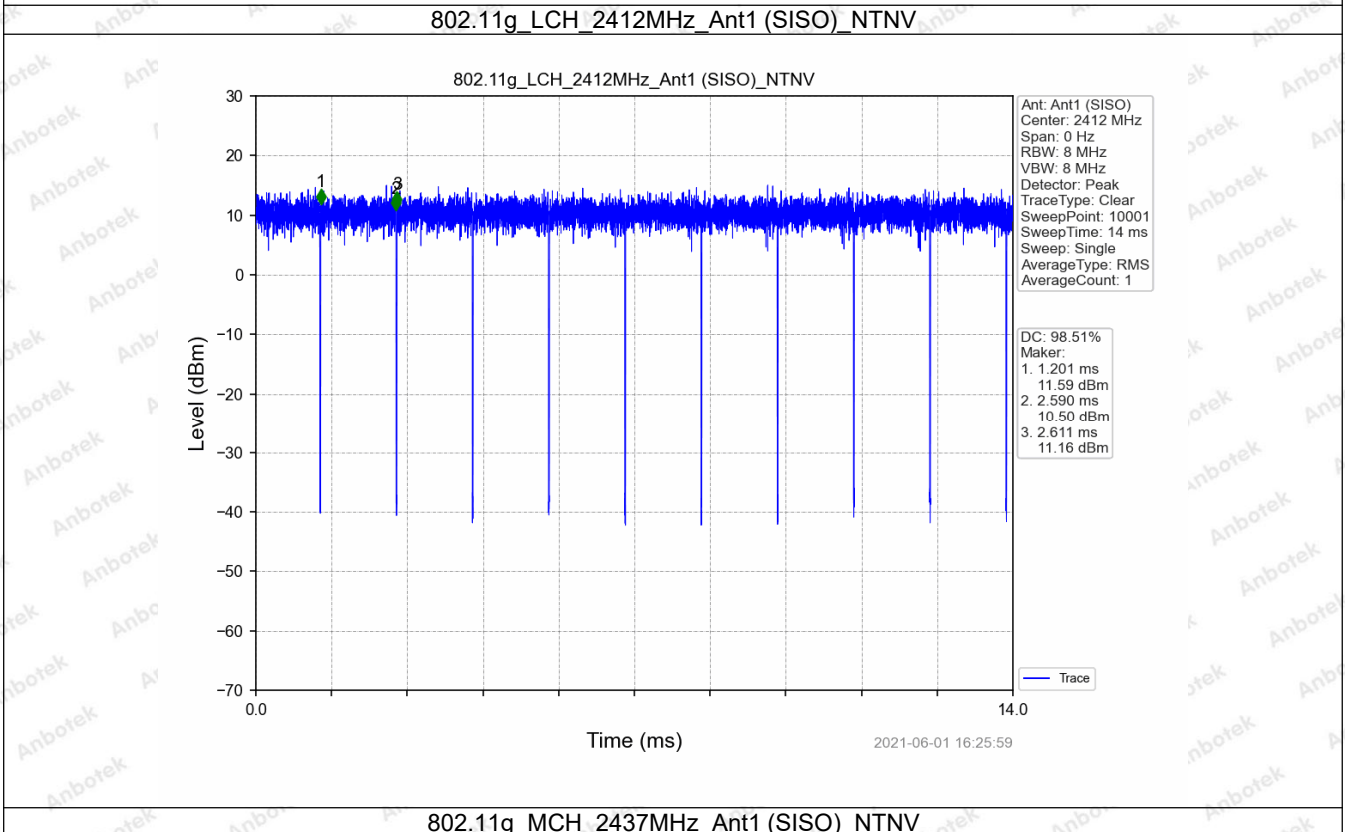
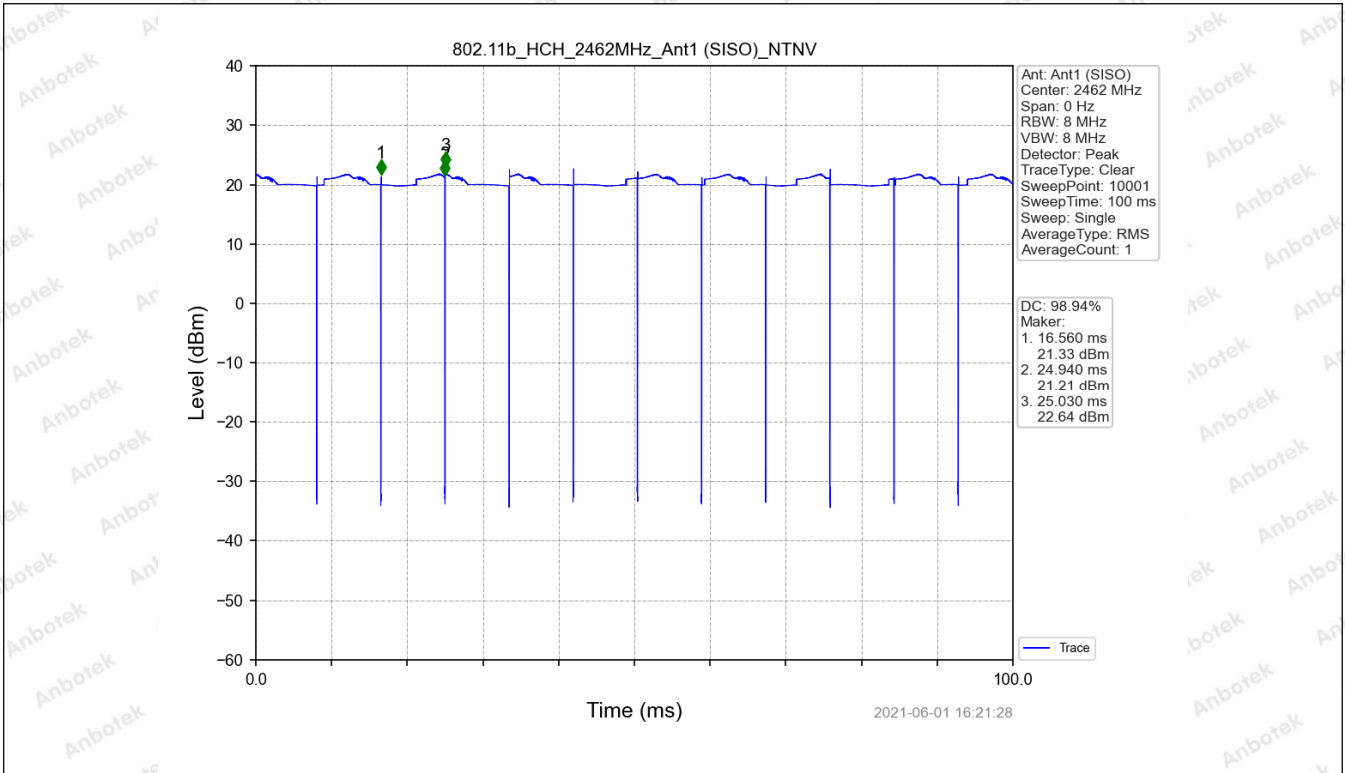
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

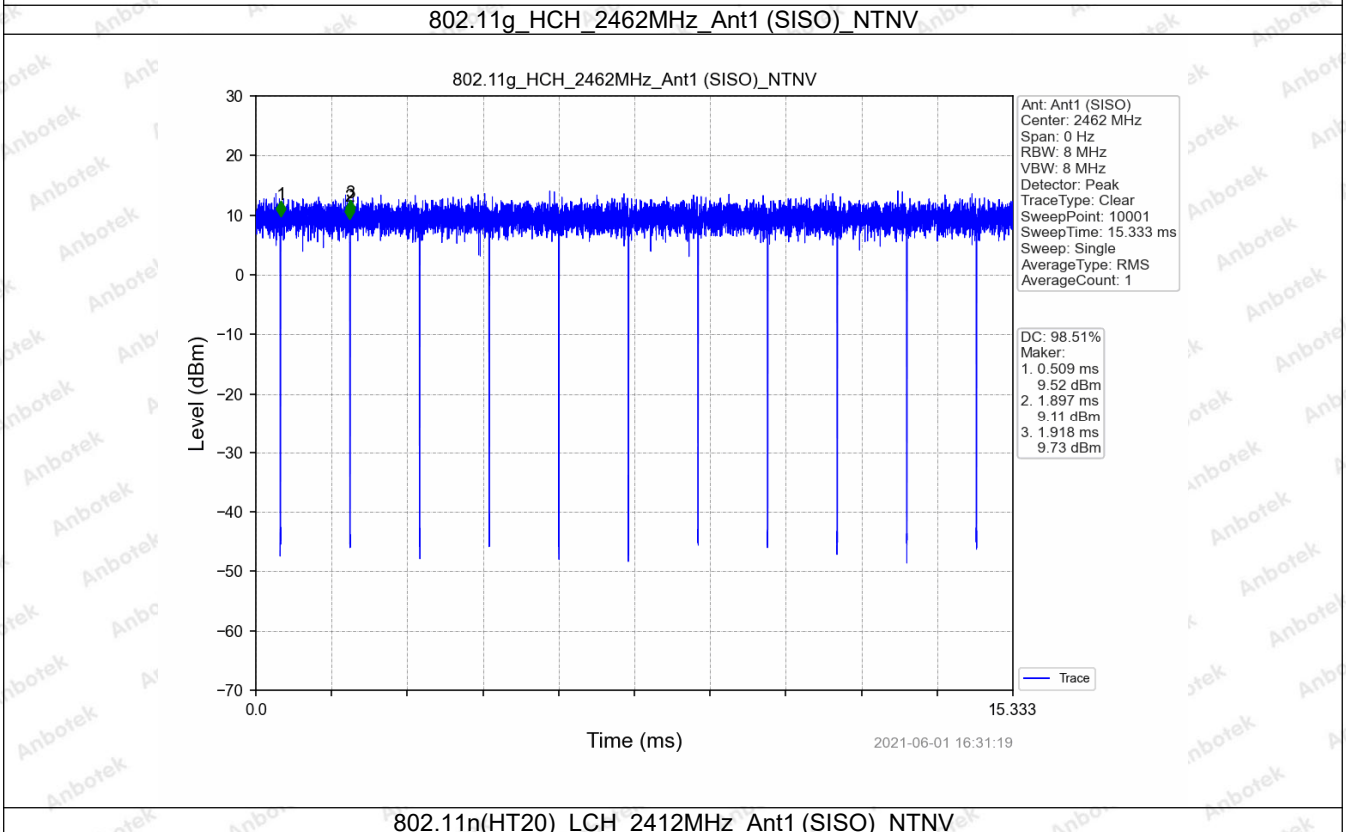
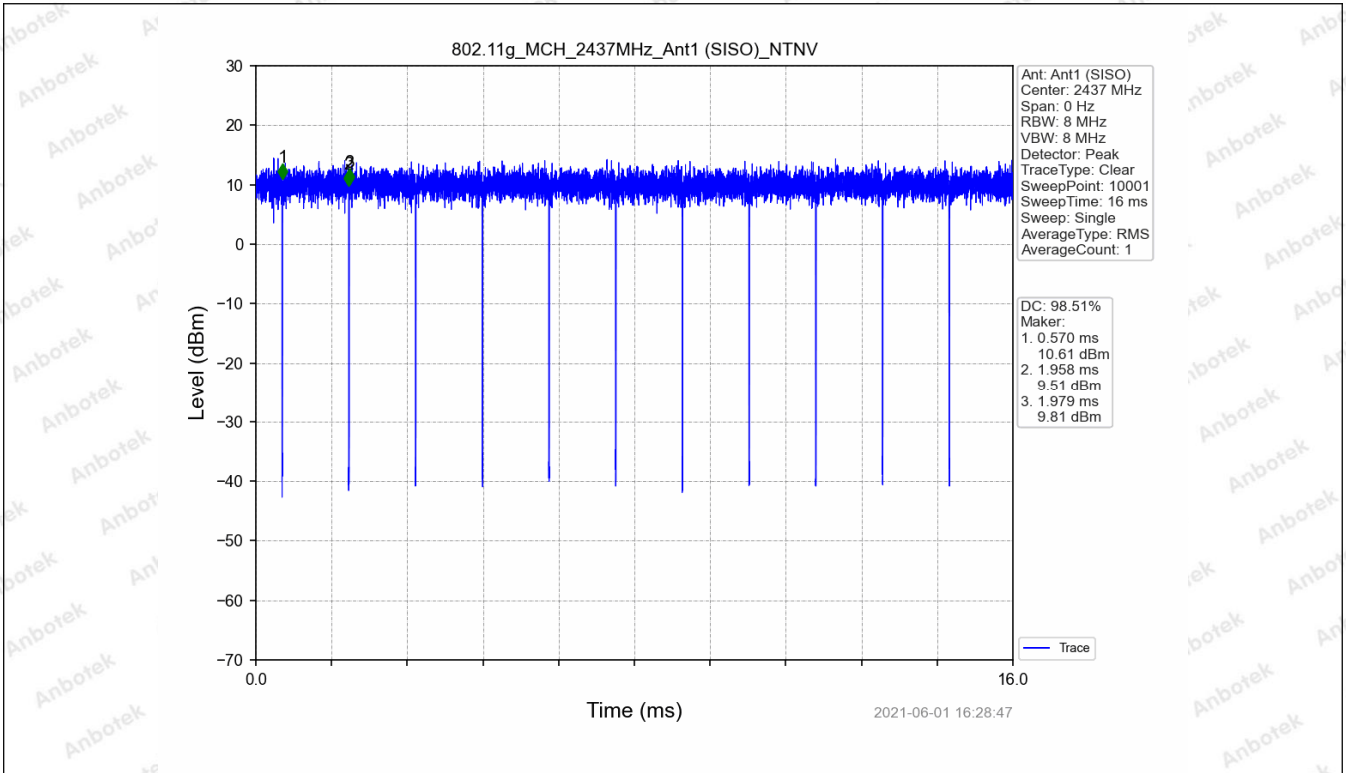
 Hotline
400-003-0500
www.anbotek.com

1.1.2 Test Graph

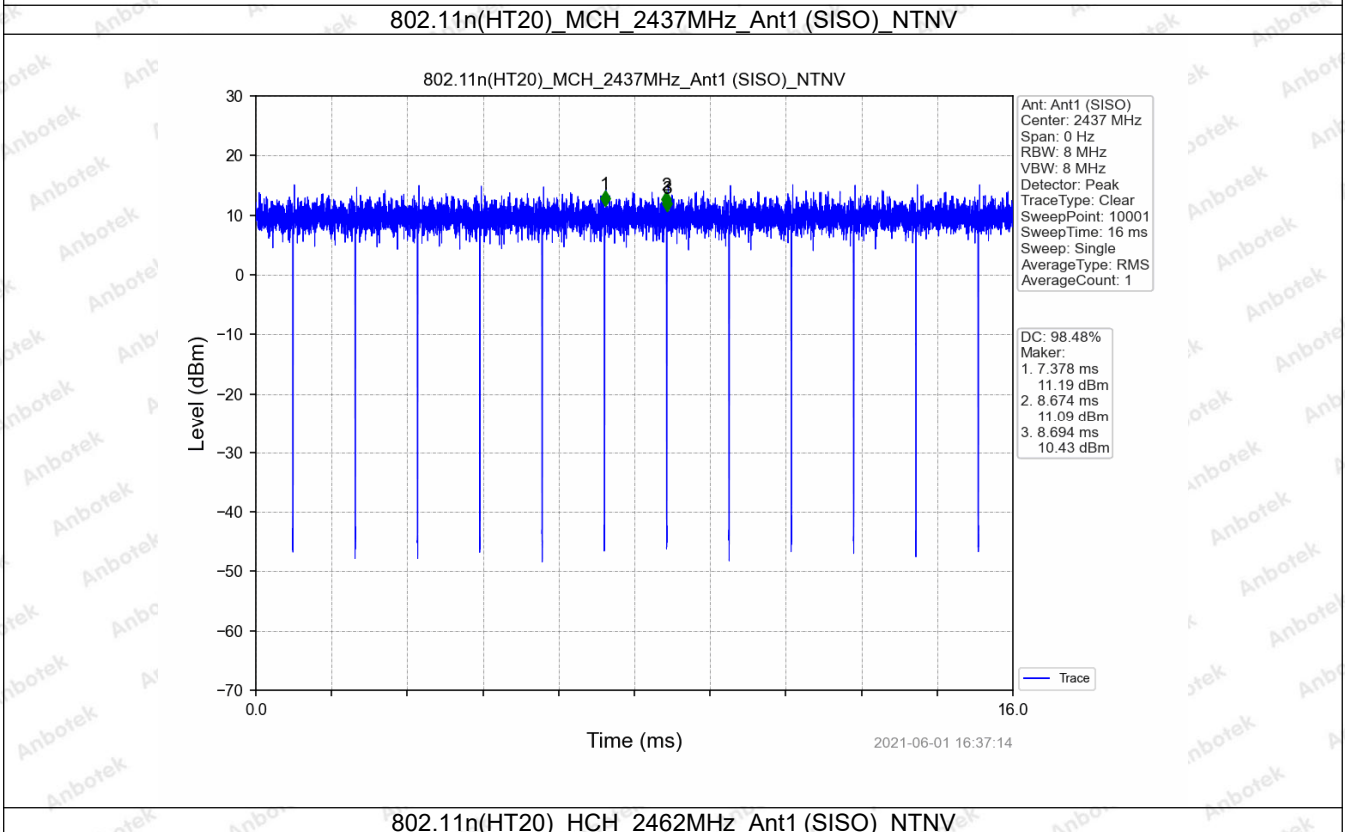
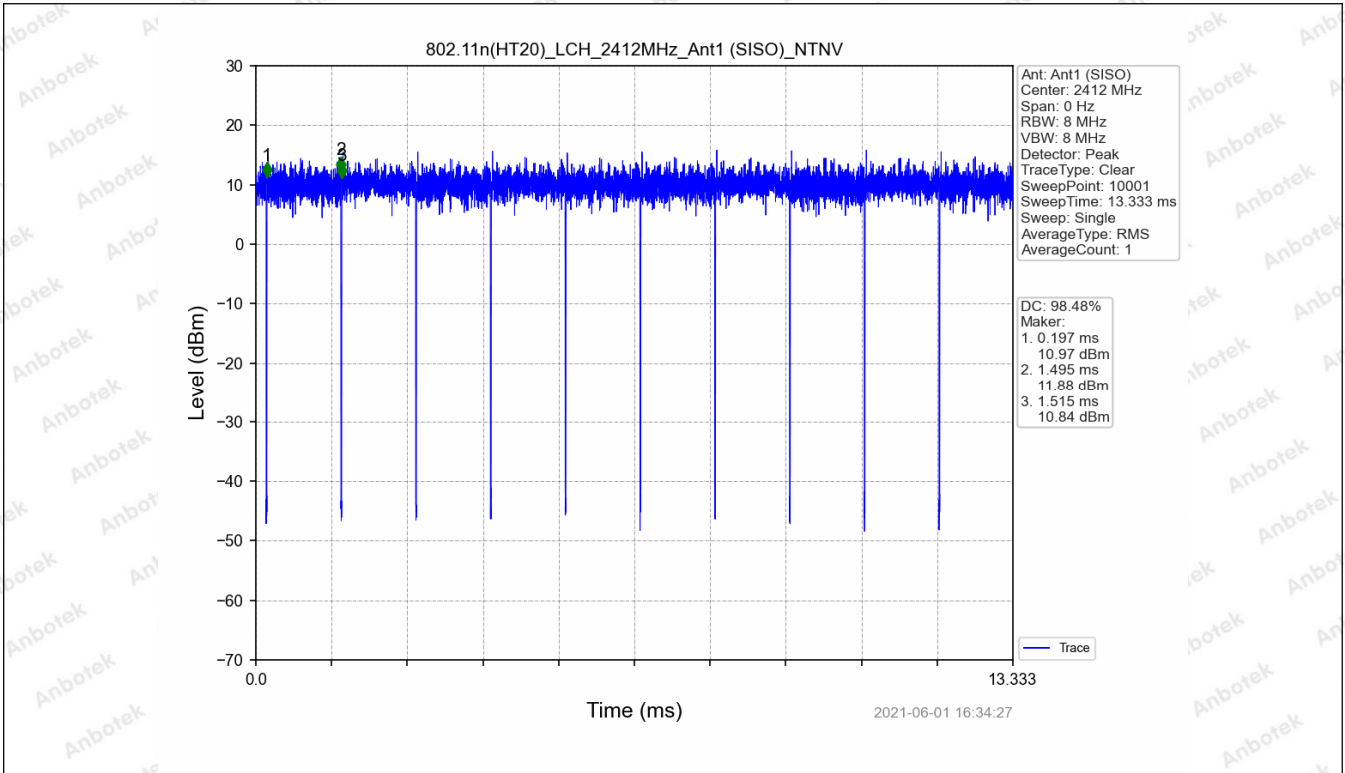




802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV

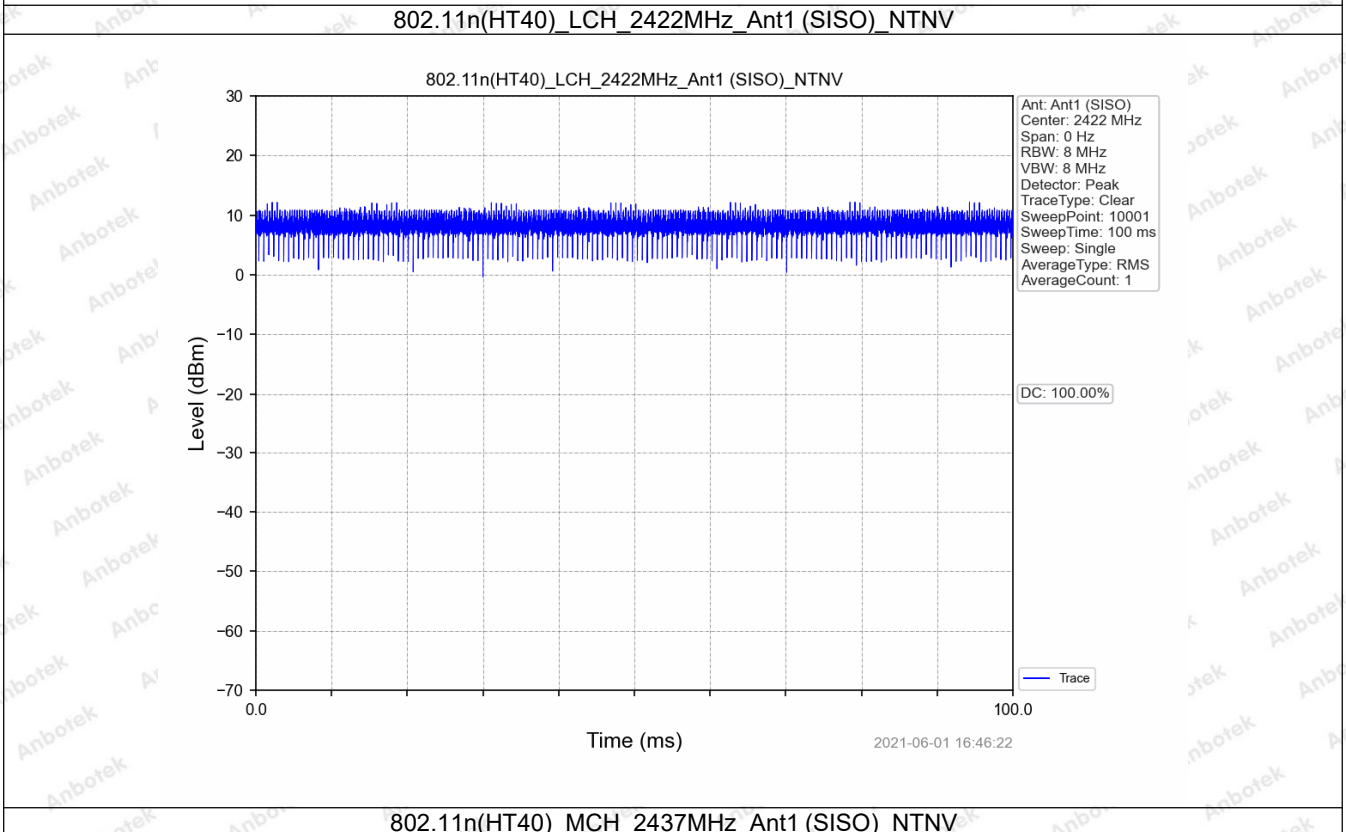
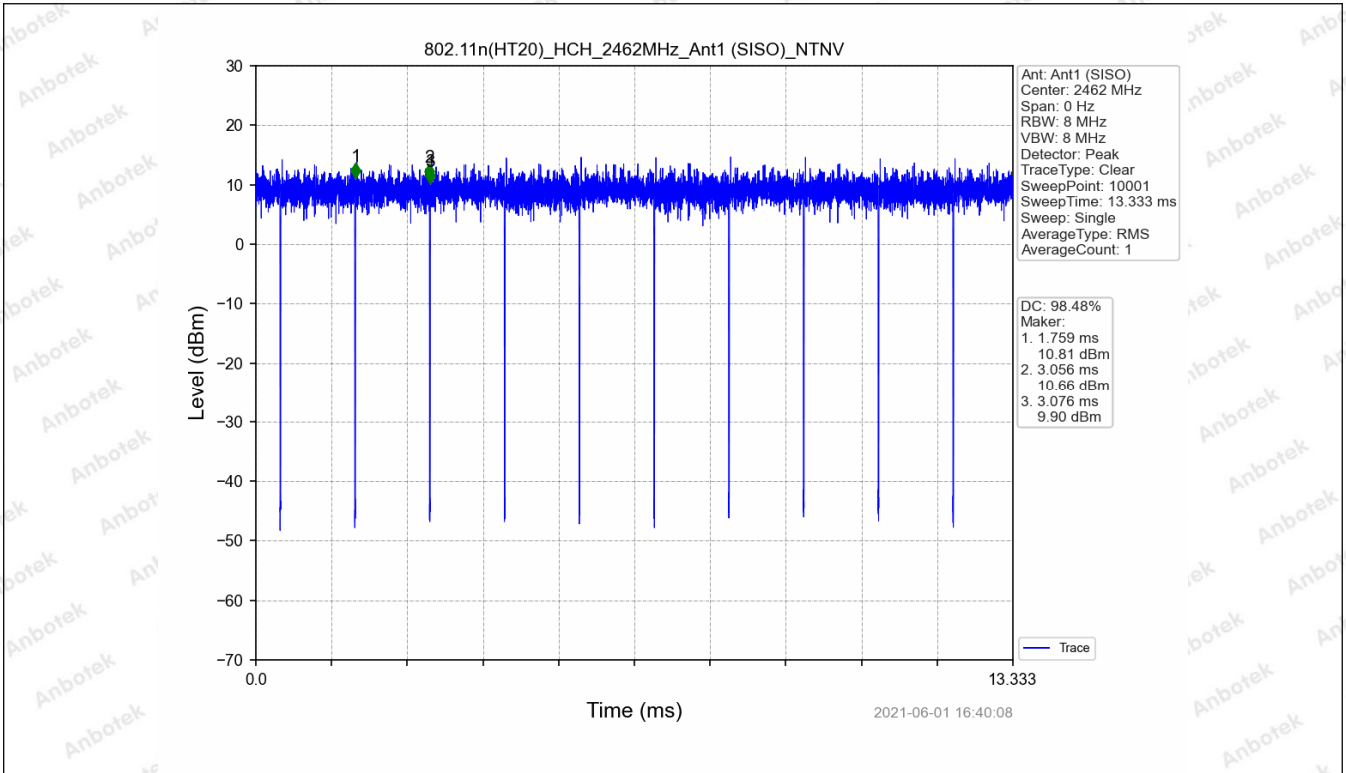


Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

Hotline
400-003-0500
www.anbotek.com

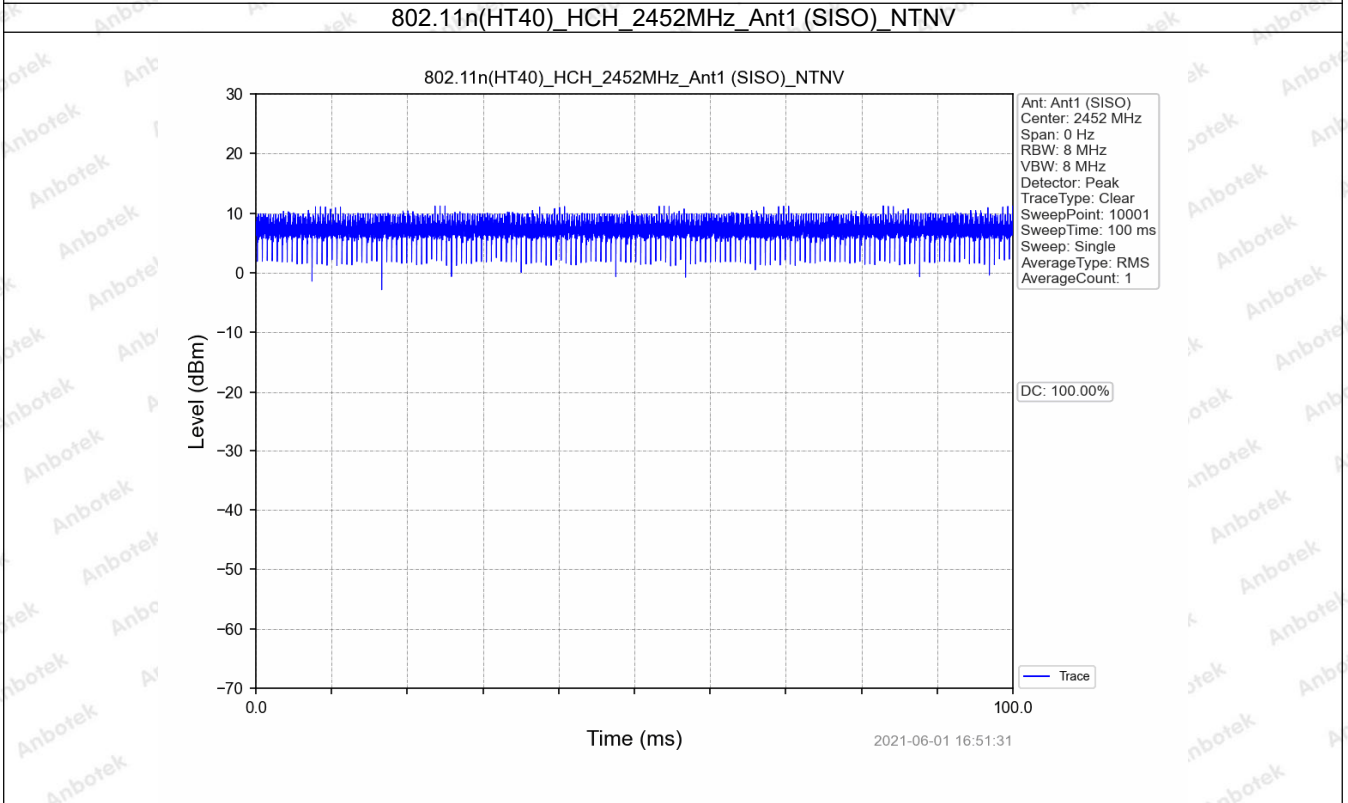
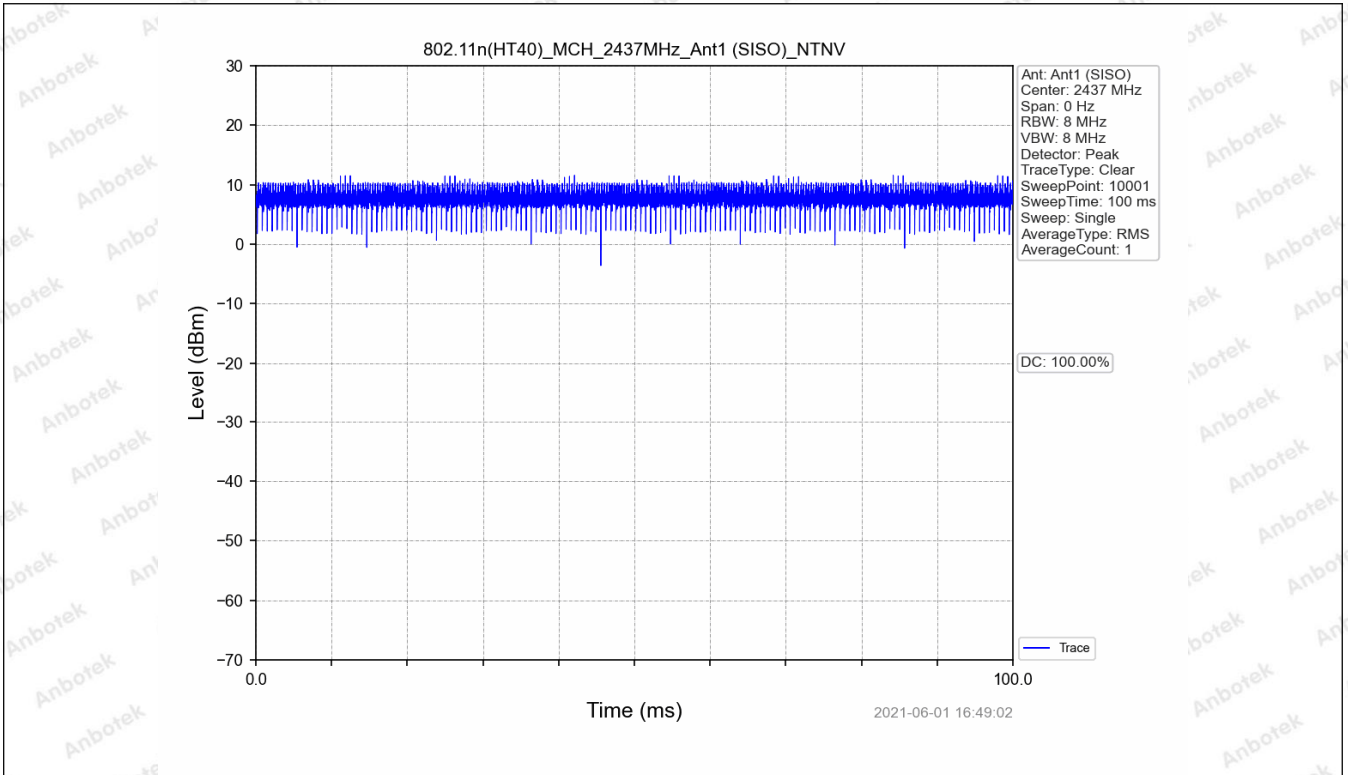


Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

Hotline
400-003-0500
www.anbotek.com



2. Bandwidth

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

Hotline
400-003-0500
www.anbotek.com

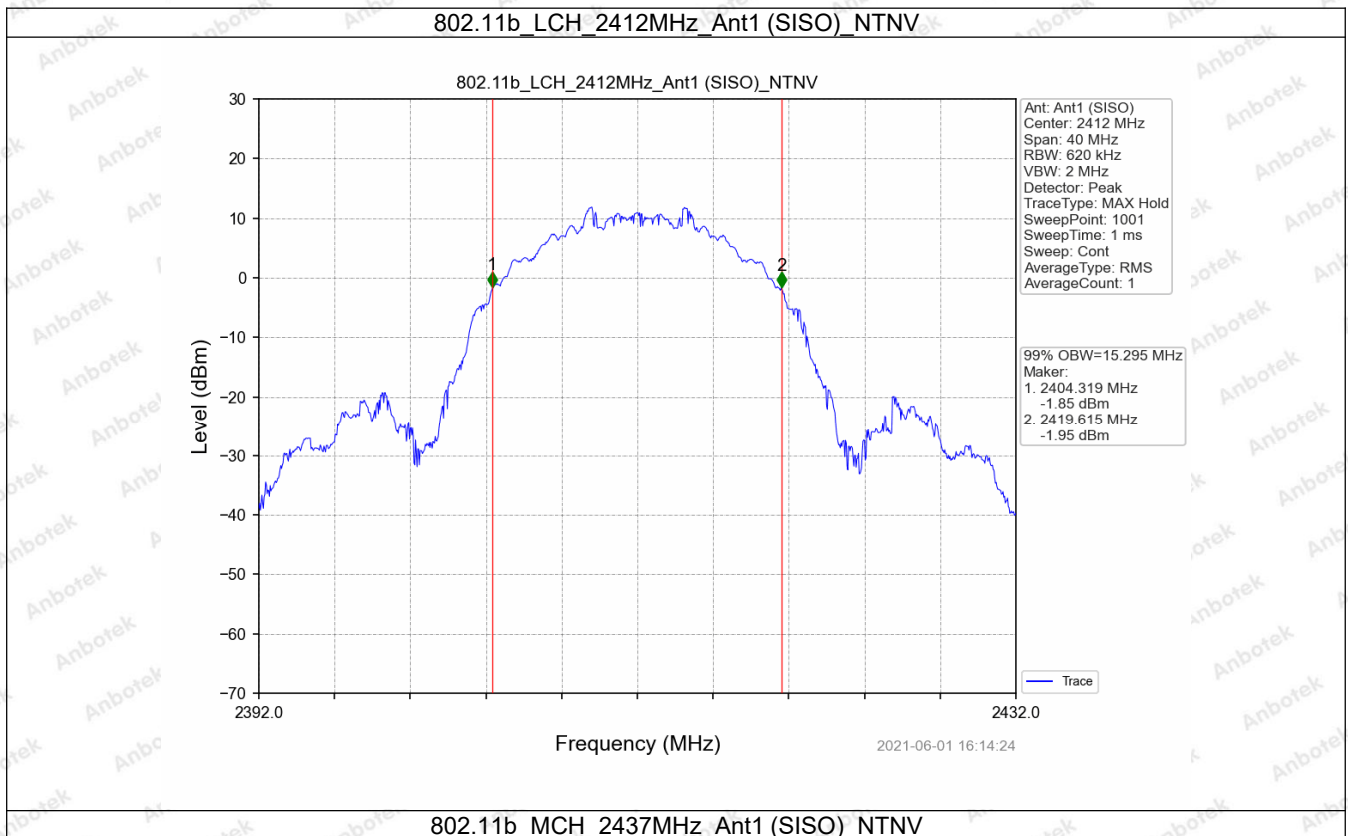
2.1 OBW

2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	99% Occupied Bandwidth (MHz)	Limit (MHz)	Verdict
					Ant1		
802.11b	SISO	2412	/	/	15.295	/	Note1
		2437	/	/	15.278	/	Note1
		2462	/	/	15.288	/	Note1
802.11g	SISO	2412	/	/	17.546	/	Note1
		2437	/	/	17.546	/	Note1
		2462	/	/	17.549	/	Note1
802.11n (HT20)	SISO	2412	/	/	18.429	/	Note1
		2437	/	/	18.436	/	Note1
		2462	/	/	18.420	/	Note1
802.11n (HT40)	SISO	2422	/	/	35.770	/	Note1
		2437	/	/	35.772	/	Note1
		2452	/	/	35.765	/	Note1

Note1: Only for Report Use

2.1.2 Test Graph

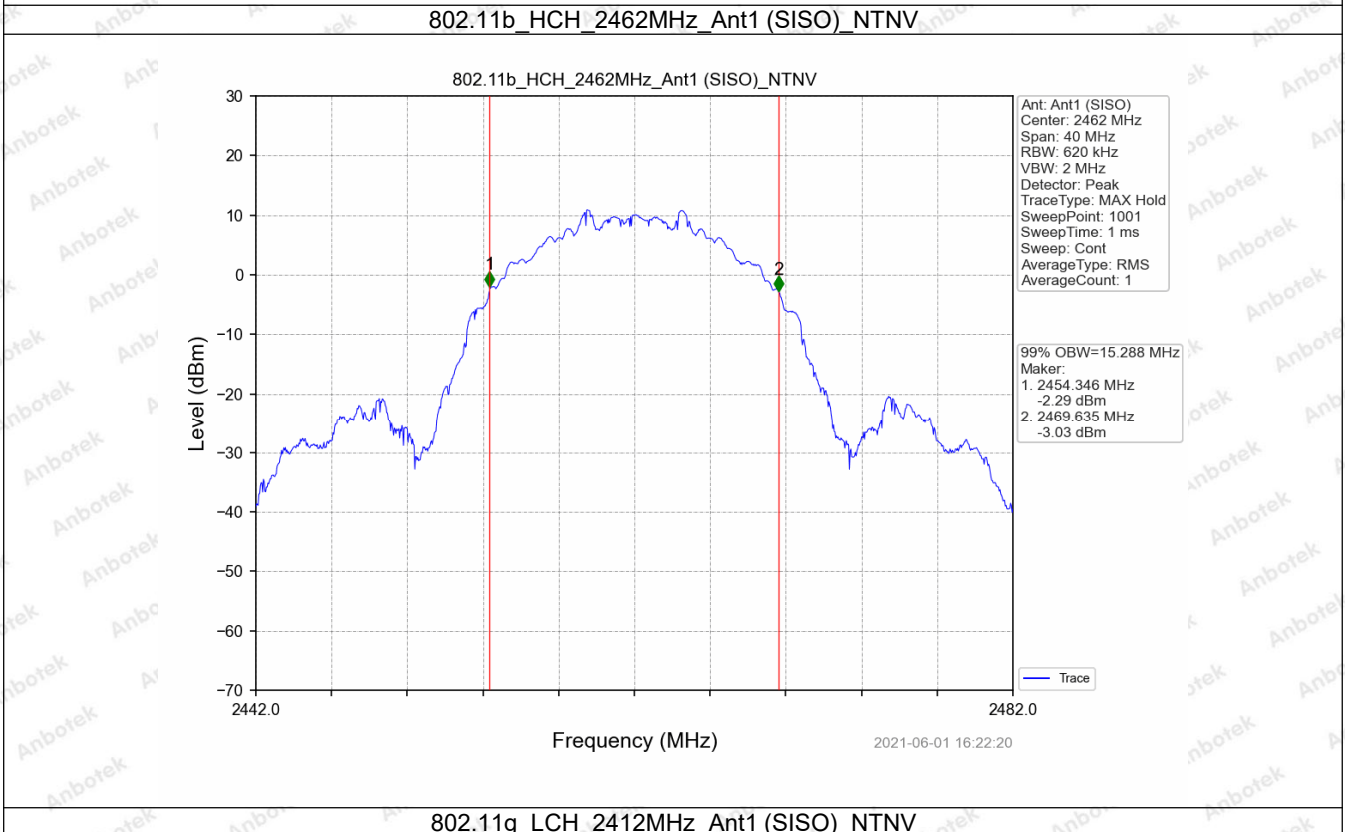
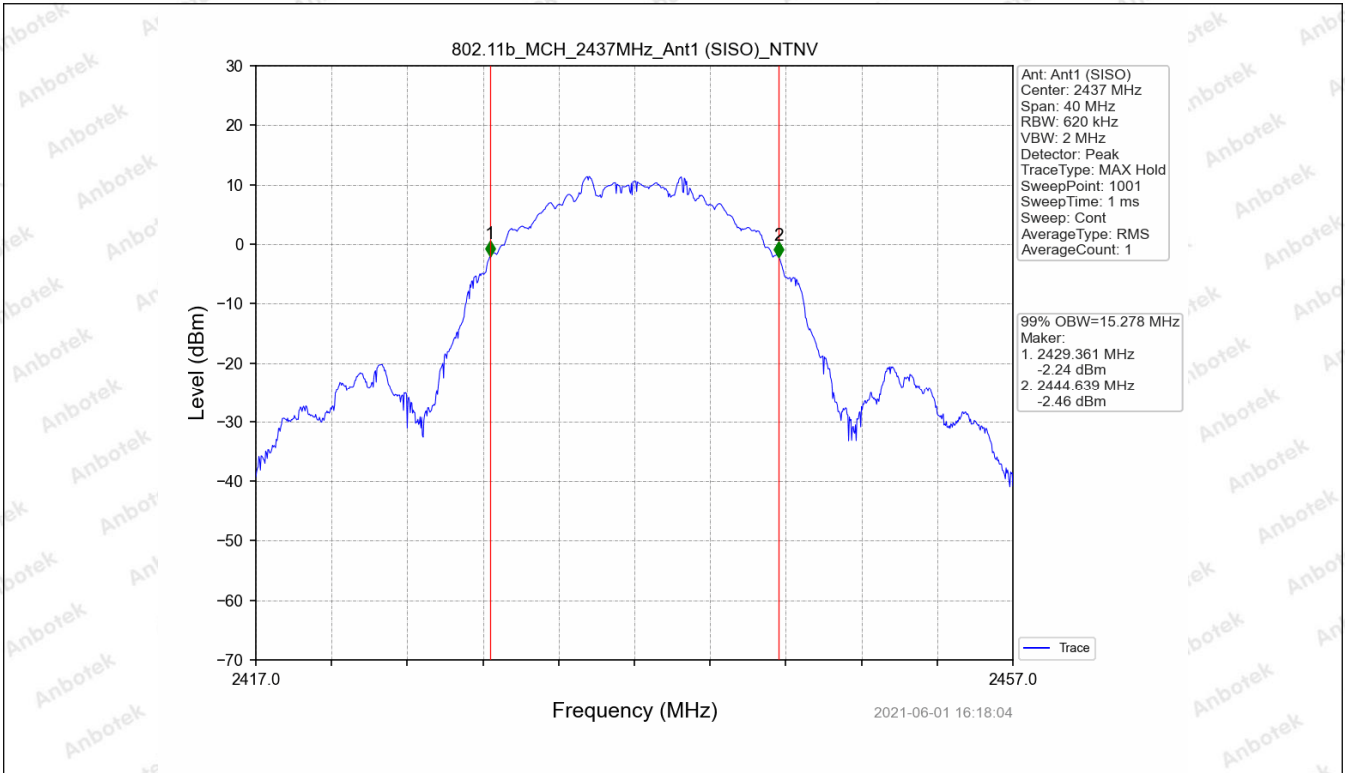


Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

Hotline
400-003-0500
www.anbotek.com



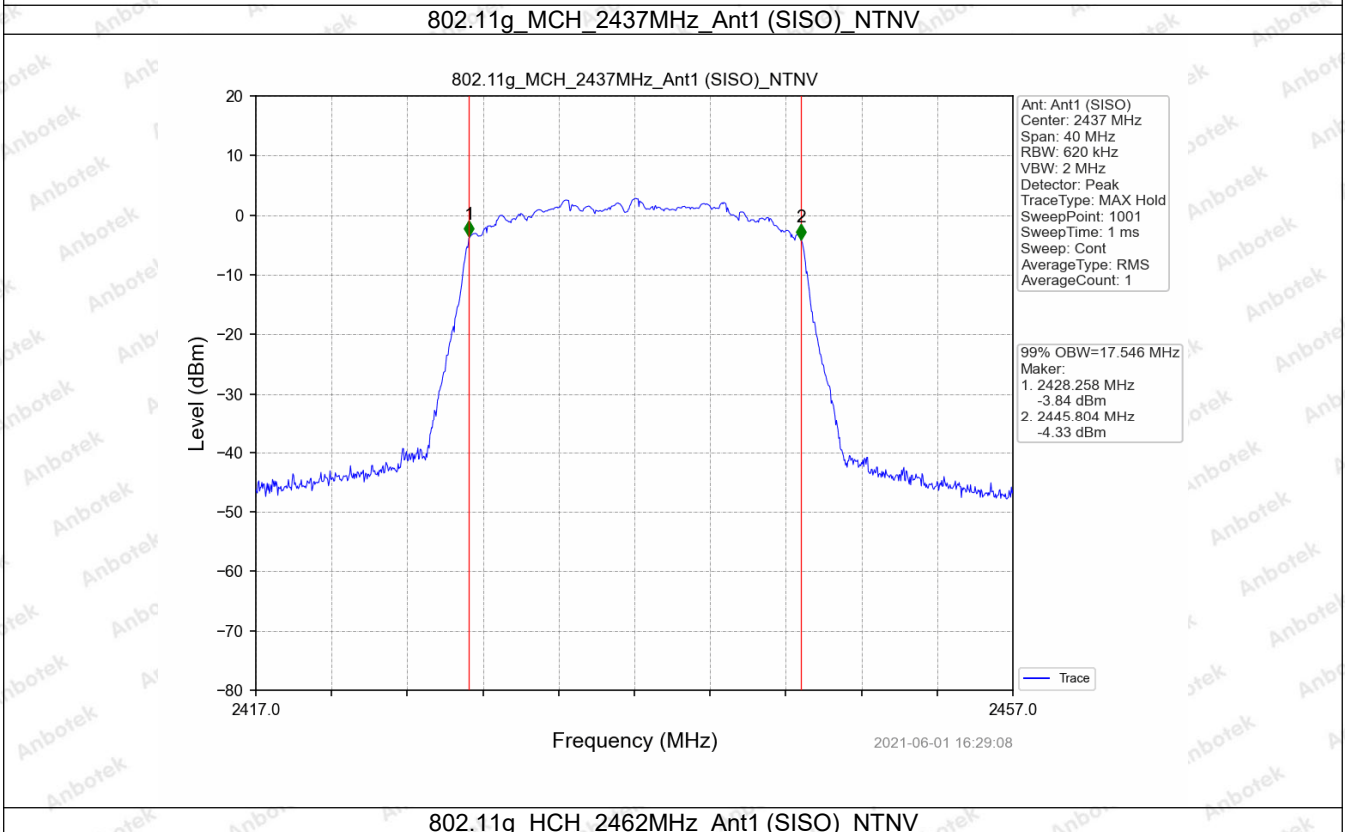
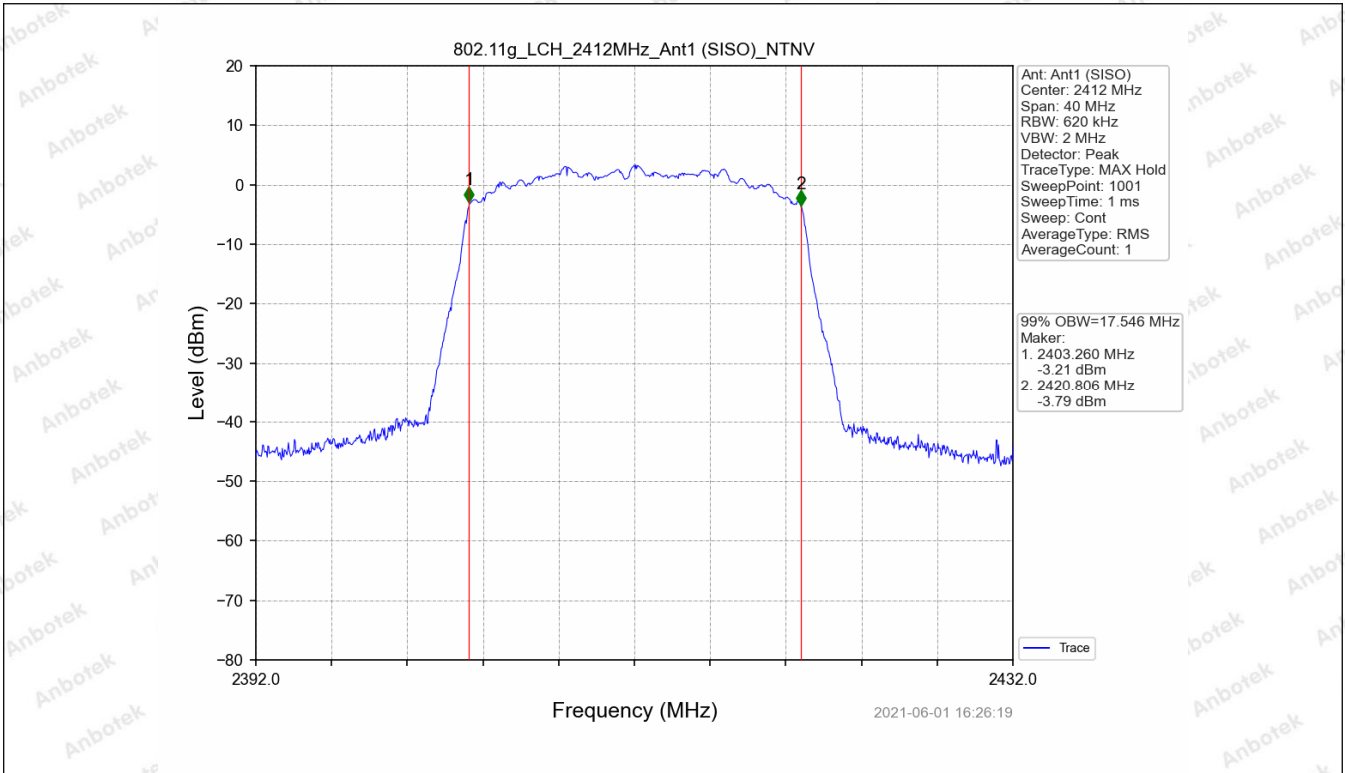
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

Hotline
400-003-0500
www.anbotek.com



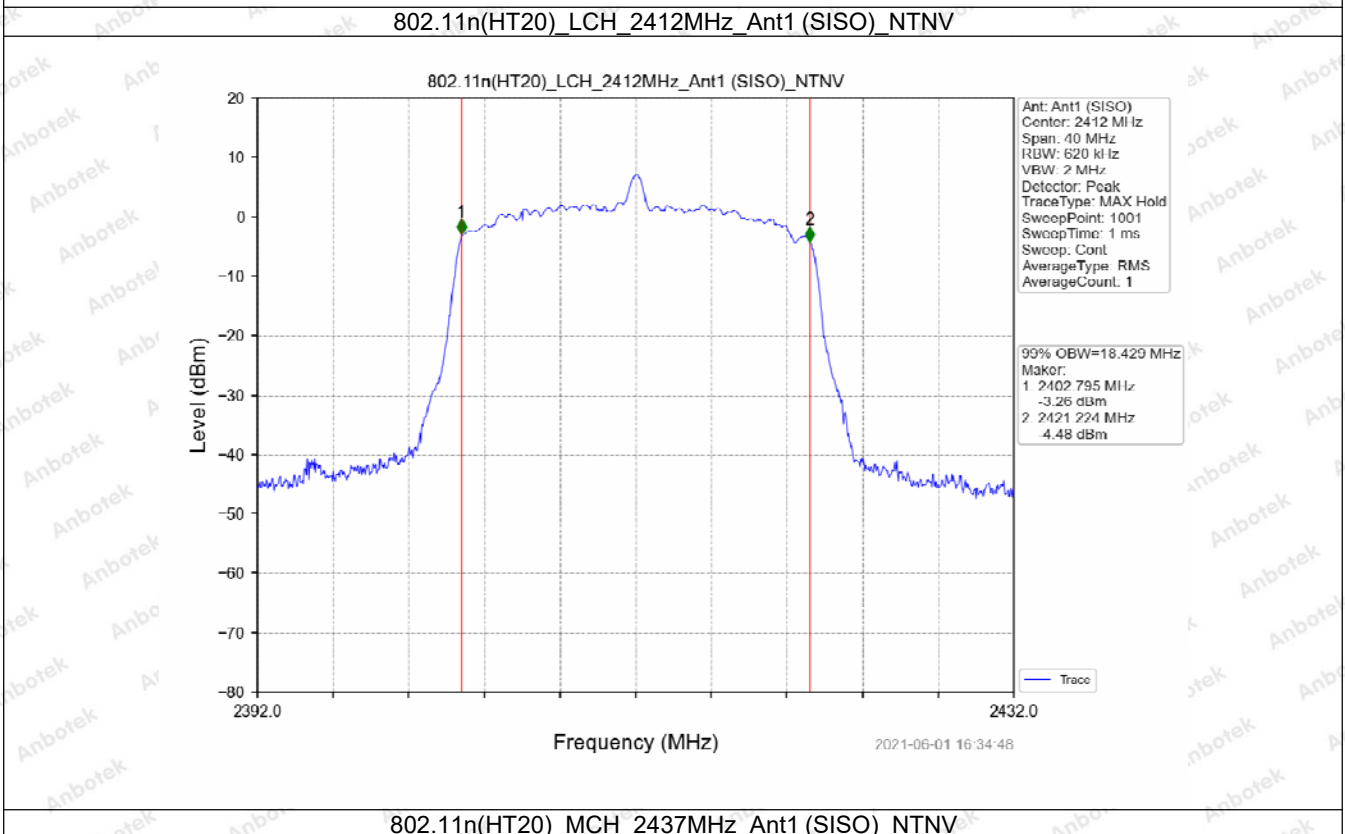
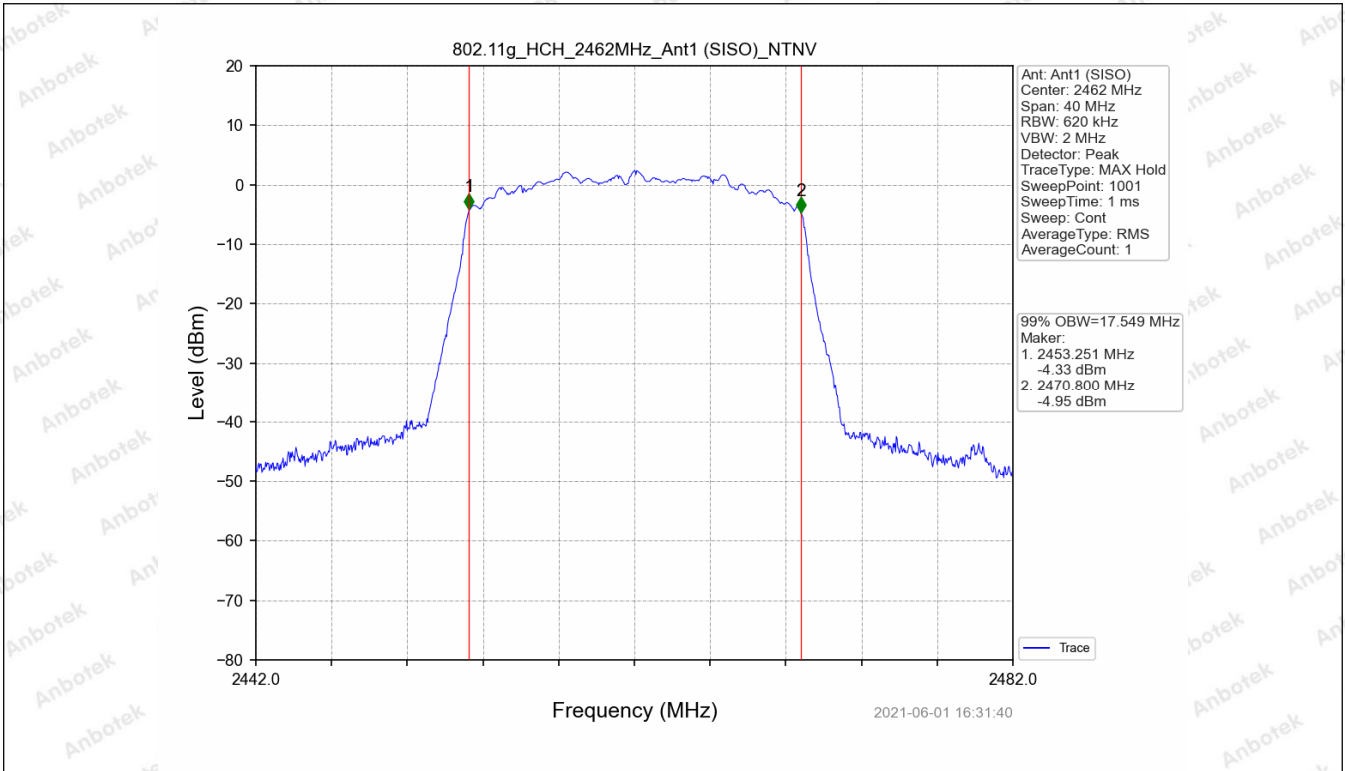
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

Hotline
400-003-0500
www.anbotek.com



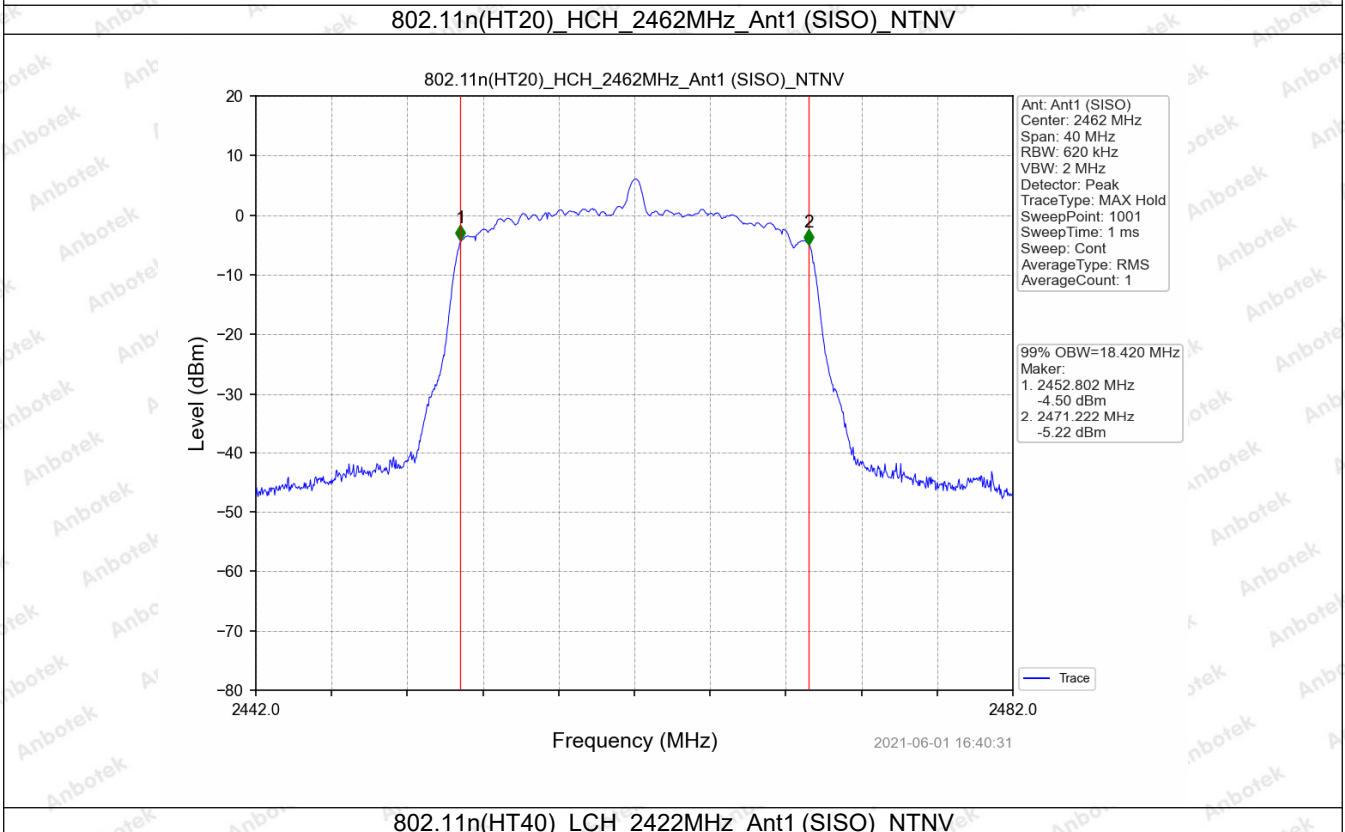
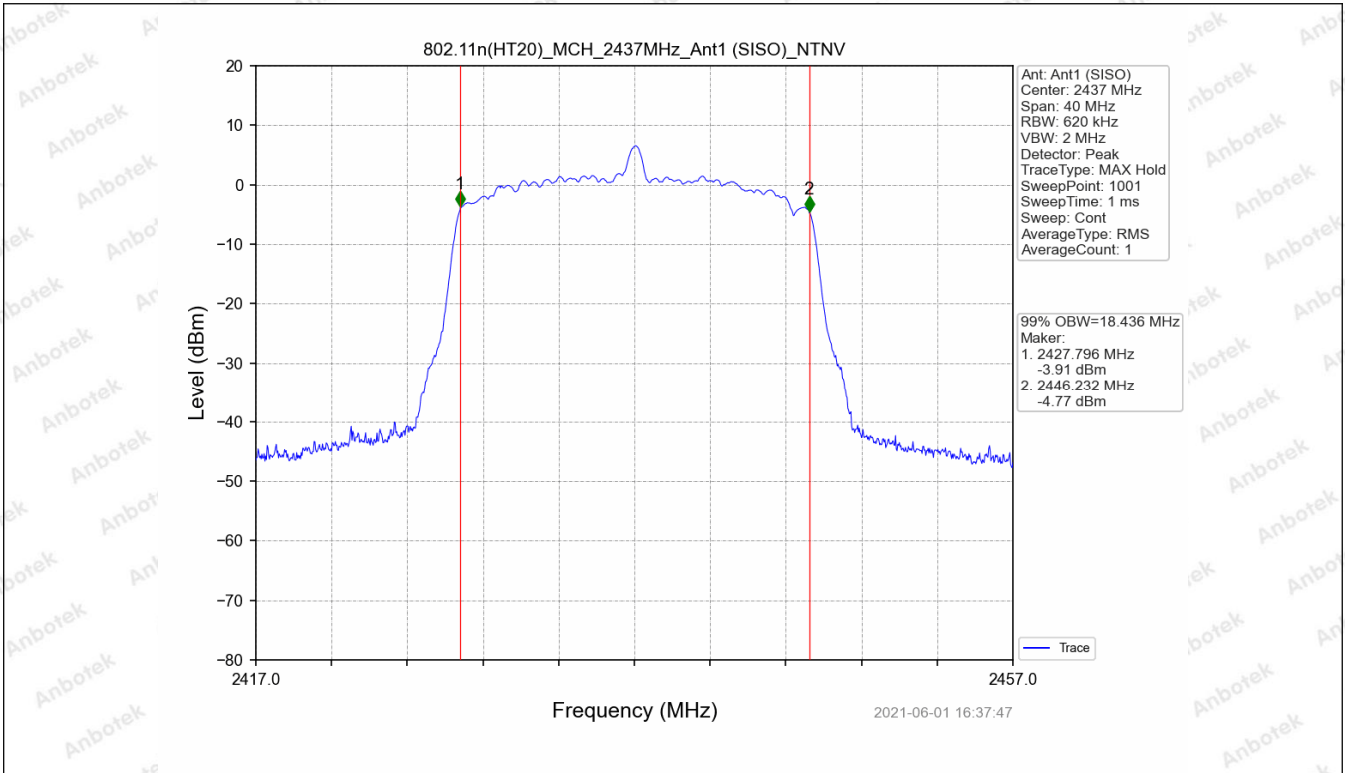
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

Hotline
400-003-0500
www.anbotek.com




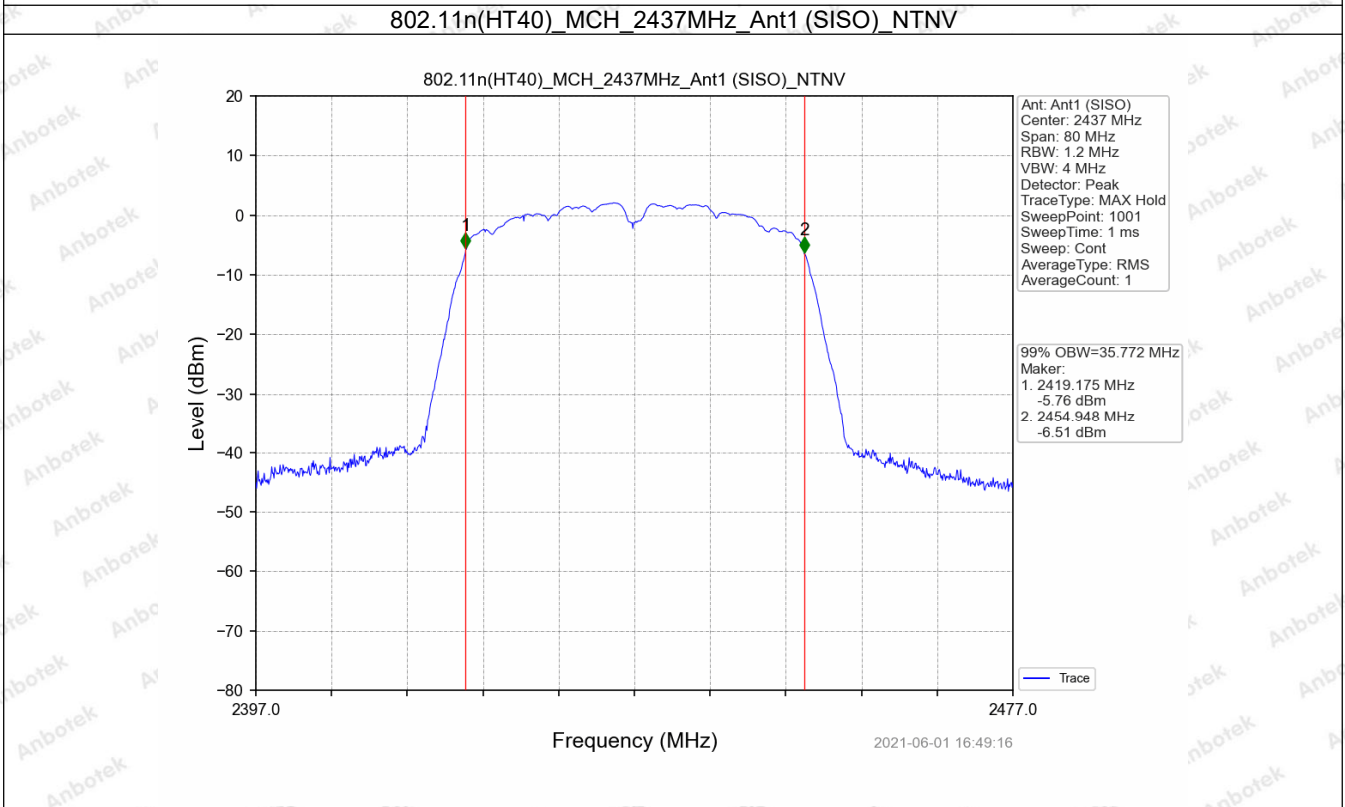
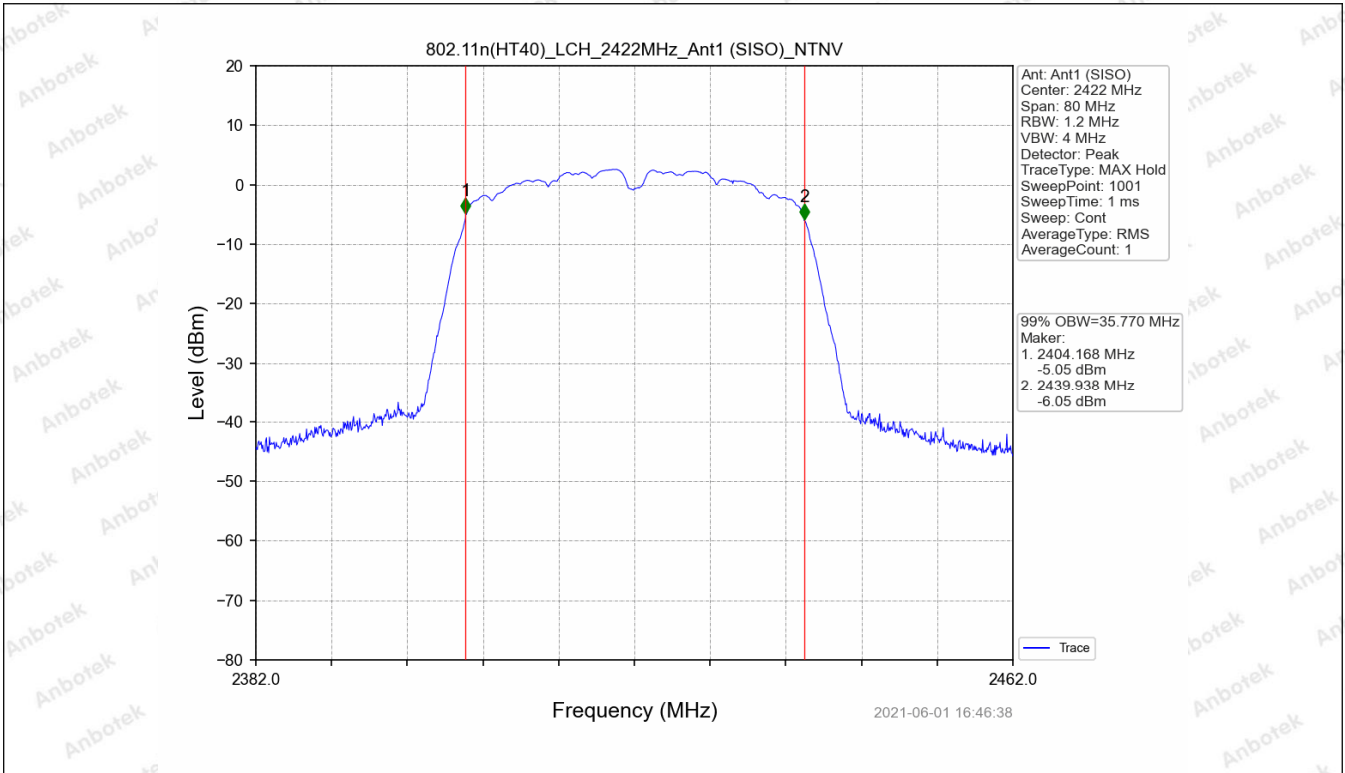
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

 Hotline
400-003-0500
www.anbotek.com



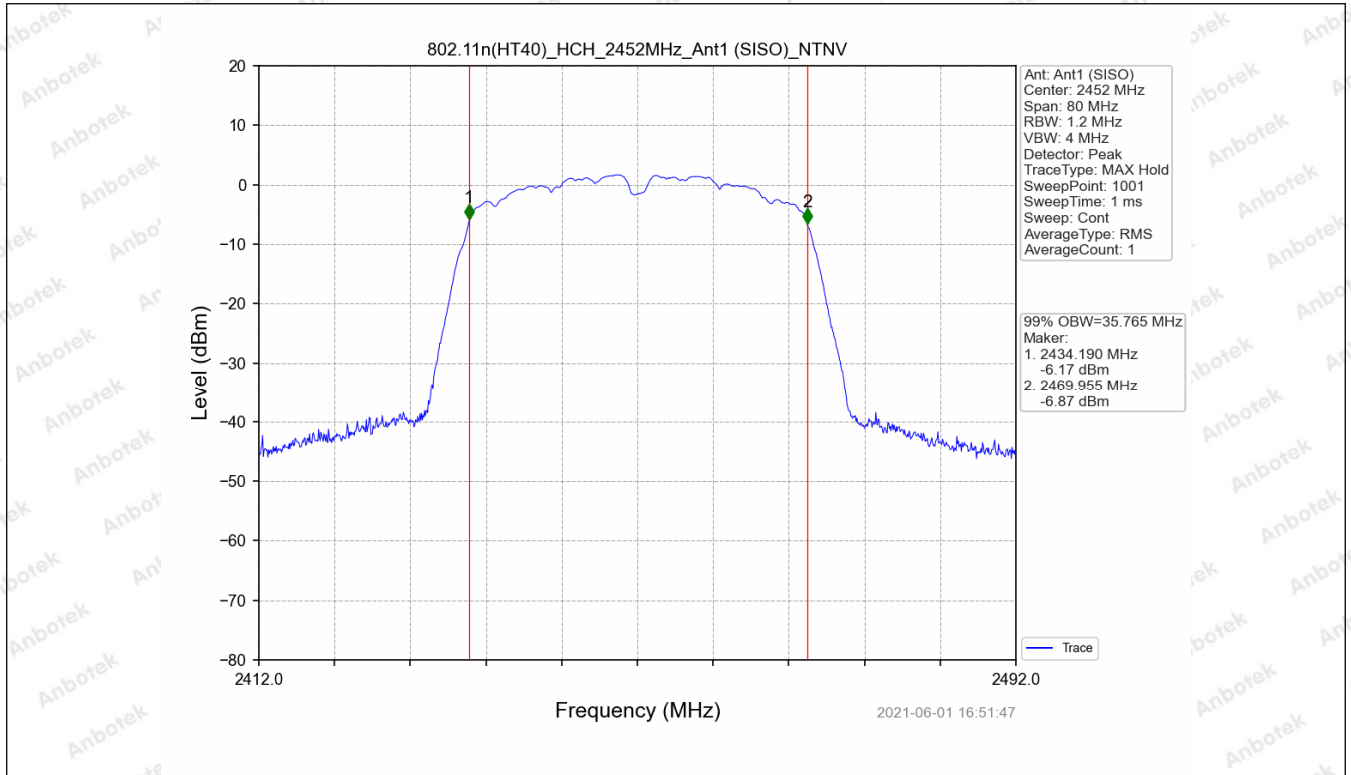
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

Hotline
400-003-0500
www.anbotek.com



Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

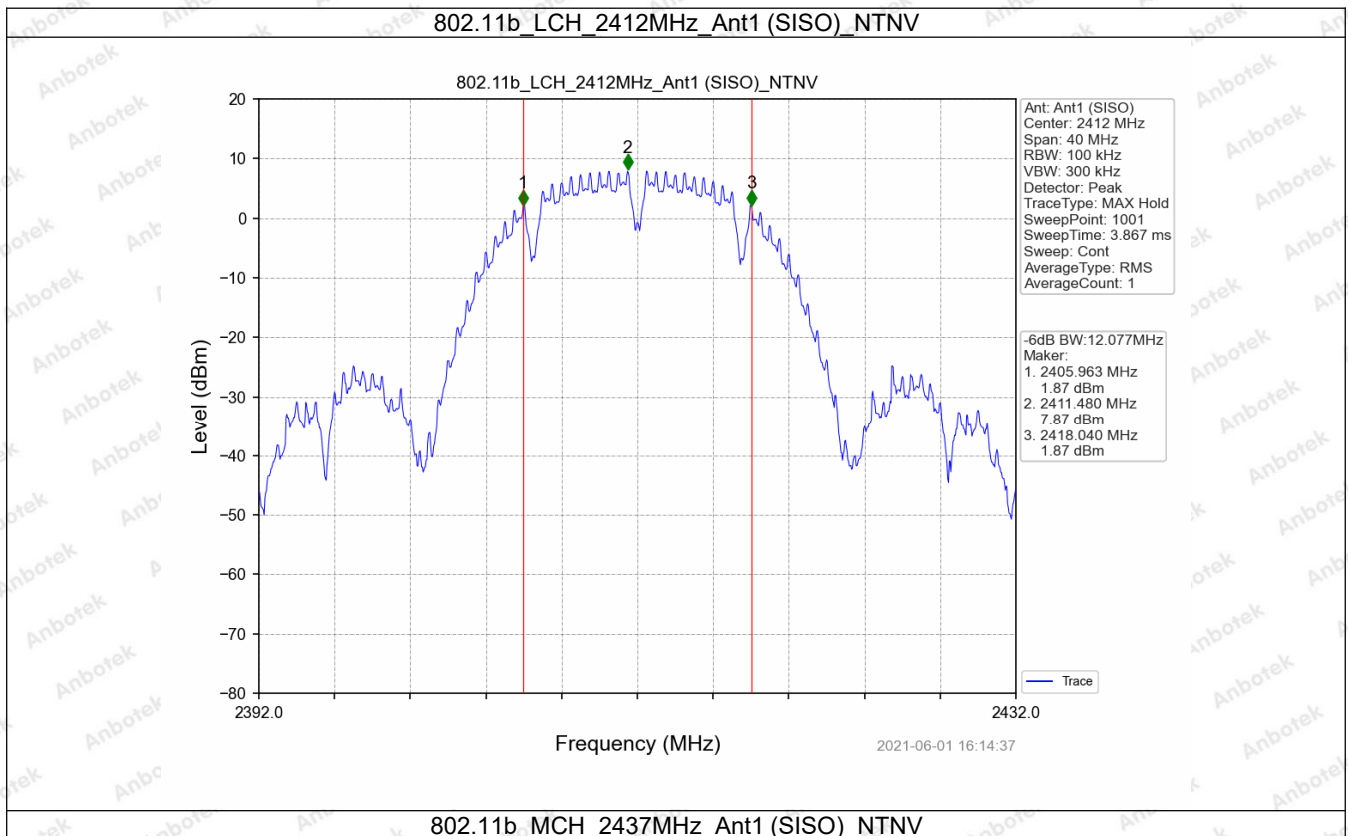
Hotline
400-003-0500
www.anbotek.com

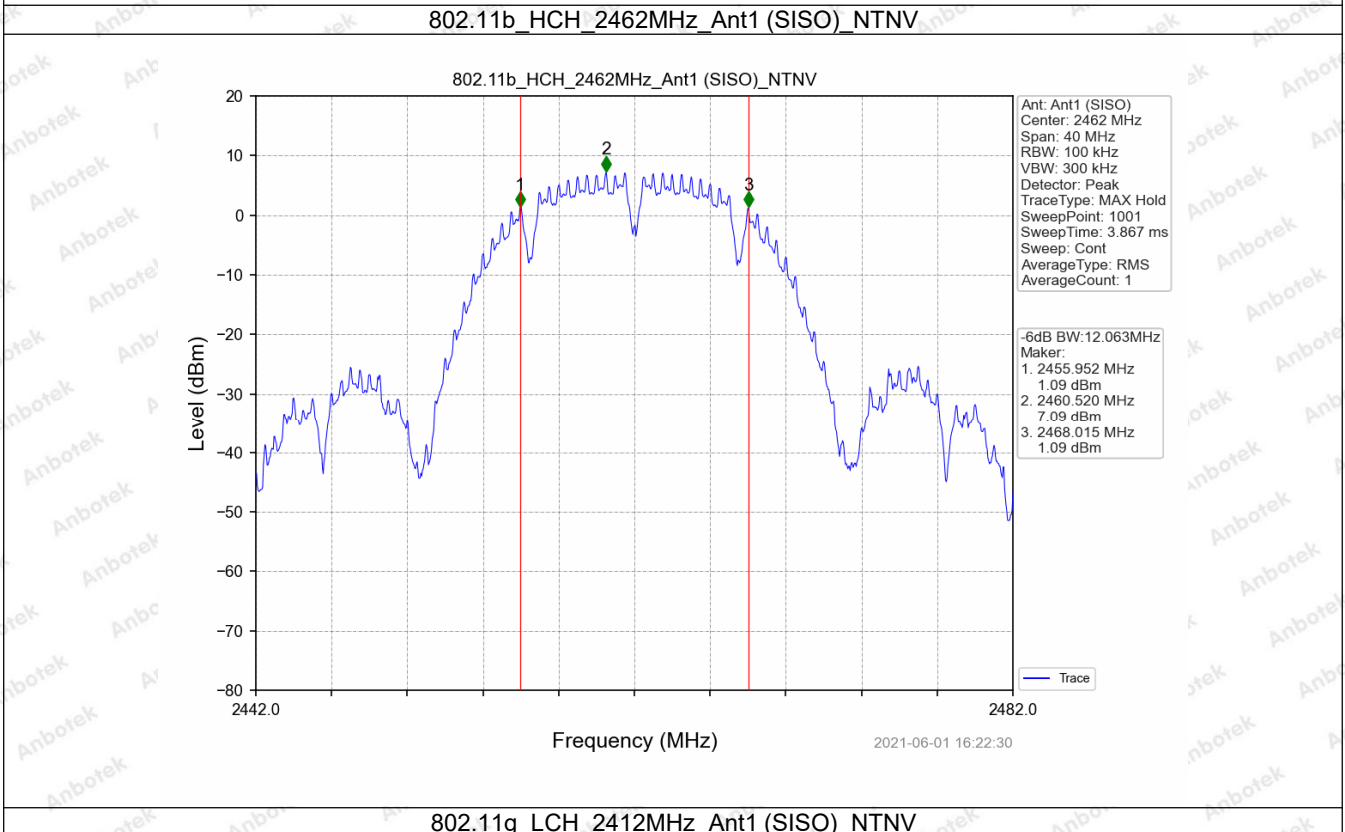
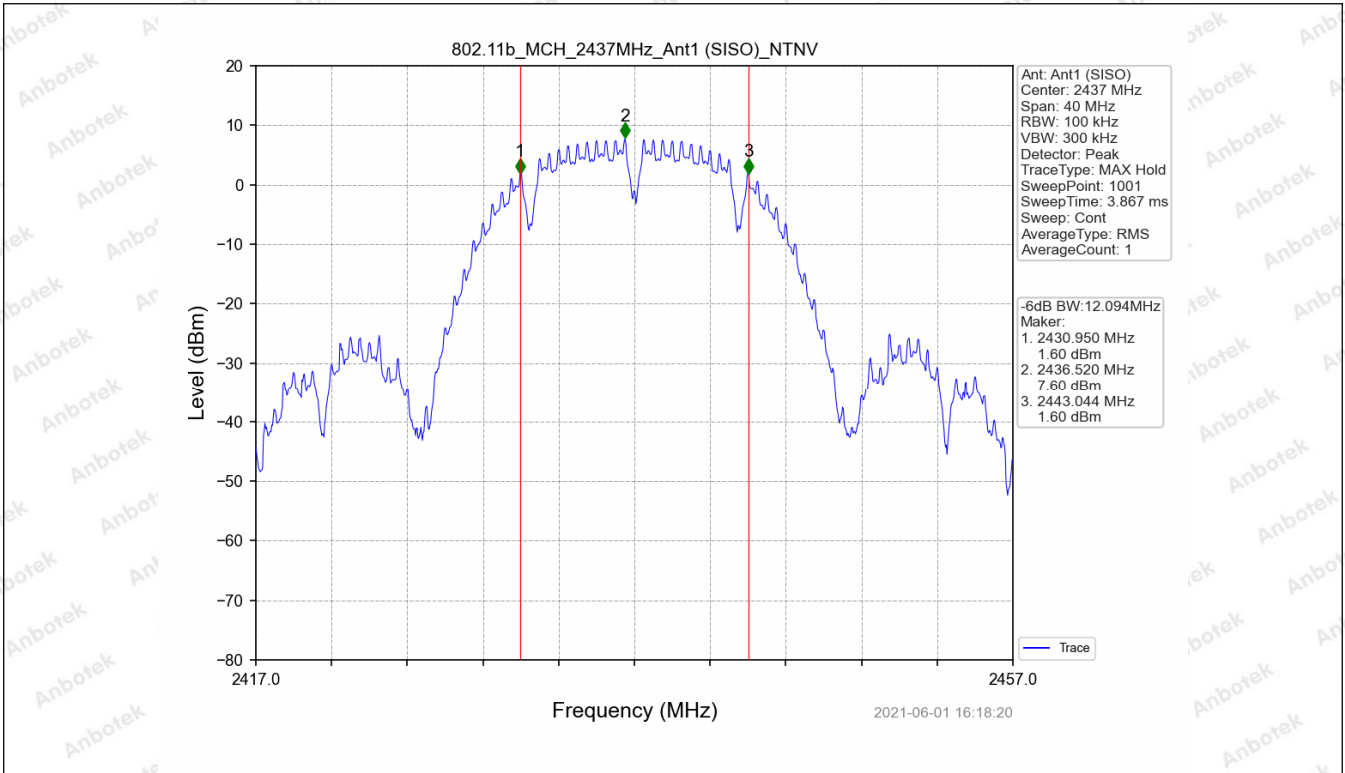
2.2 XDB

2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	6dB Bandwidth (MHz)	Limit (MHz)	Verdict
					Ant1		
802.11b	SISO	2412	/	/	12.077	>=0.5	Pass
		2437	/	/	12.094	>=0.5	Pass
		2462	/	/	12.063	>=0.5	Pass
802.11g	SISO	2412	/	/	15.175	>=0.5	Pass
		2437	/	/	15.179	>=0.5	Pass
		2462	/	/	15.178	>=0.5	Pass
802.11n (HT20)	SISO	2412	/	/	13.824	>=0.5	Pass
		2437	/	/	13.829	>=0.5	Pass
		2462	/	/	13.822	>=0.5	Pass
802.11n (HT40)	SISO	2422	/	/	35.112	>=0.5	Pass
		2437	/	/	35.112	>=0.5	Pass
		2452	/	/	35.109	>=0.5	Pass

2.2.2 Test Graph





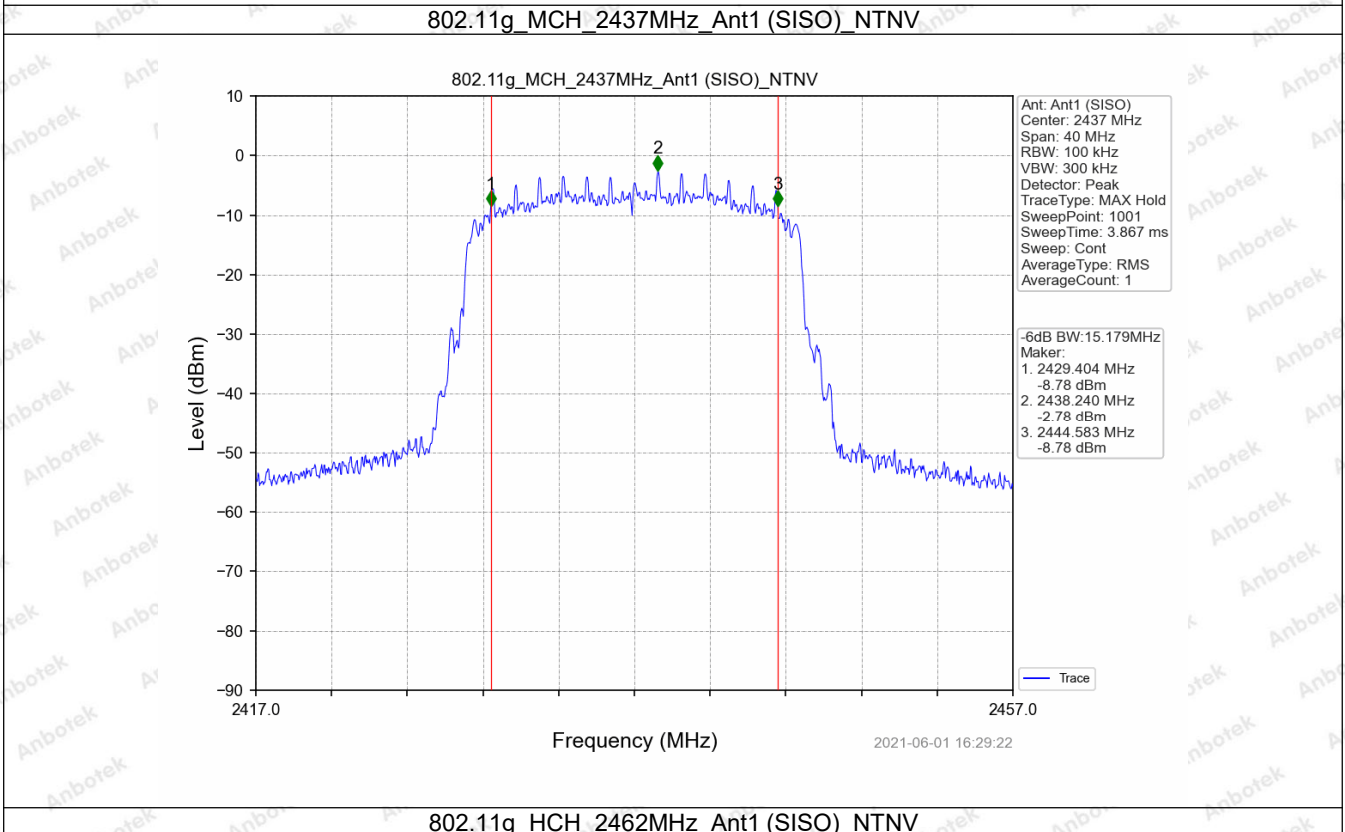
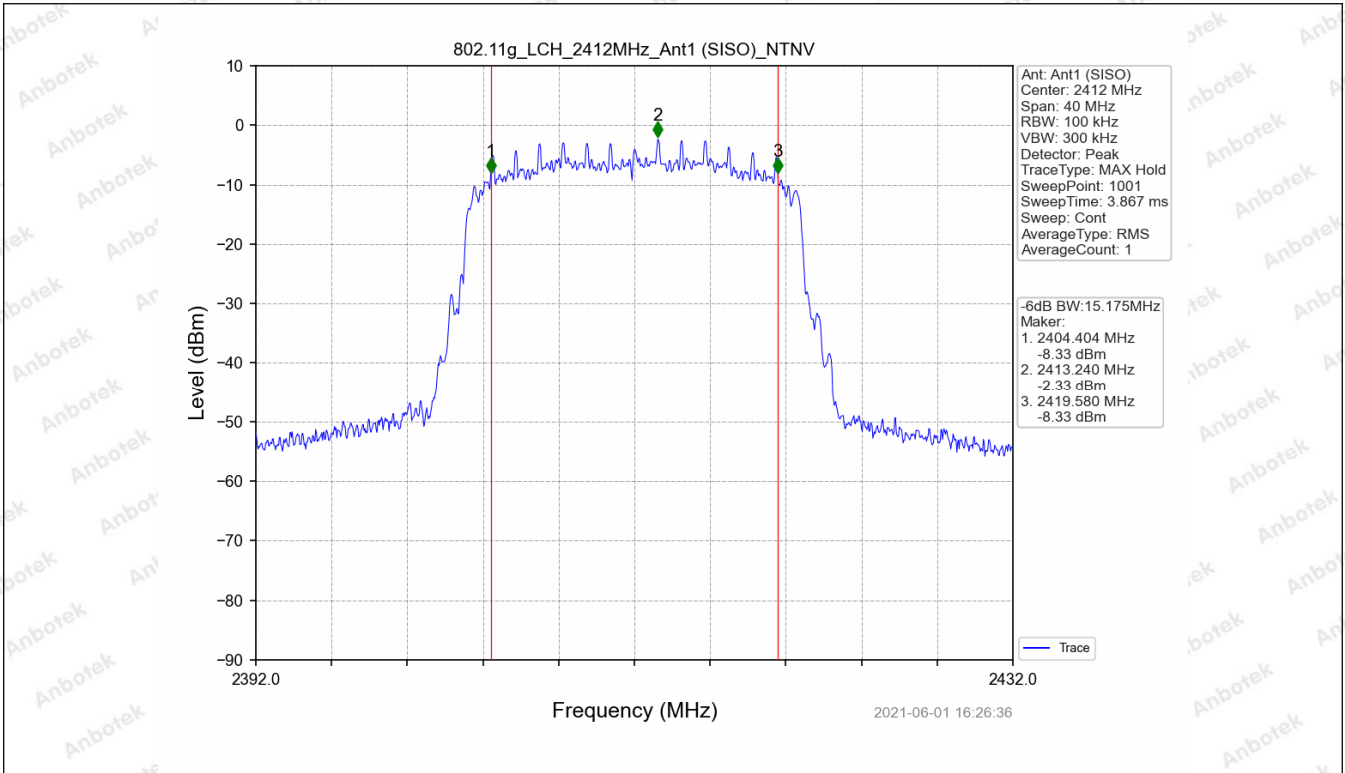
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV

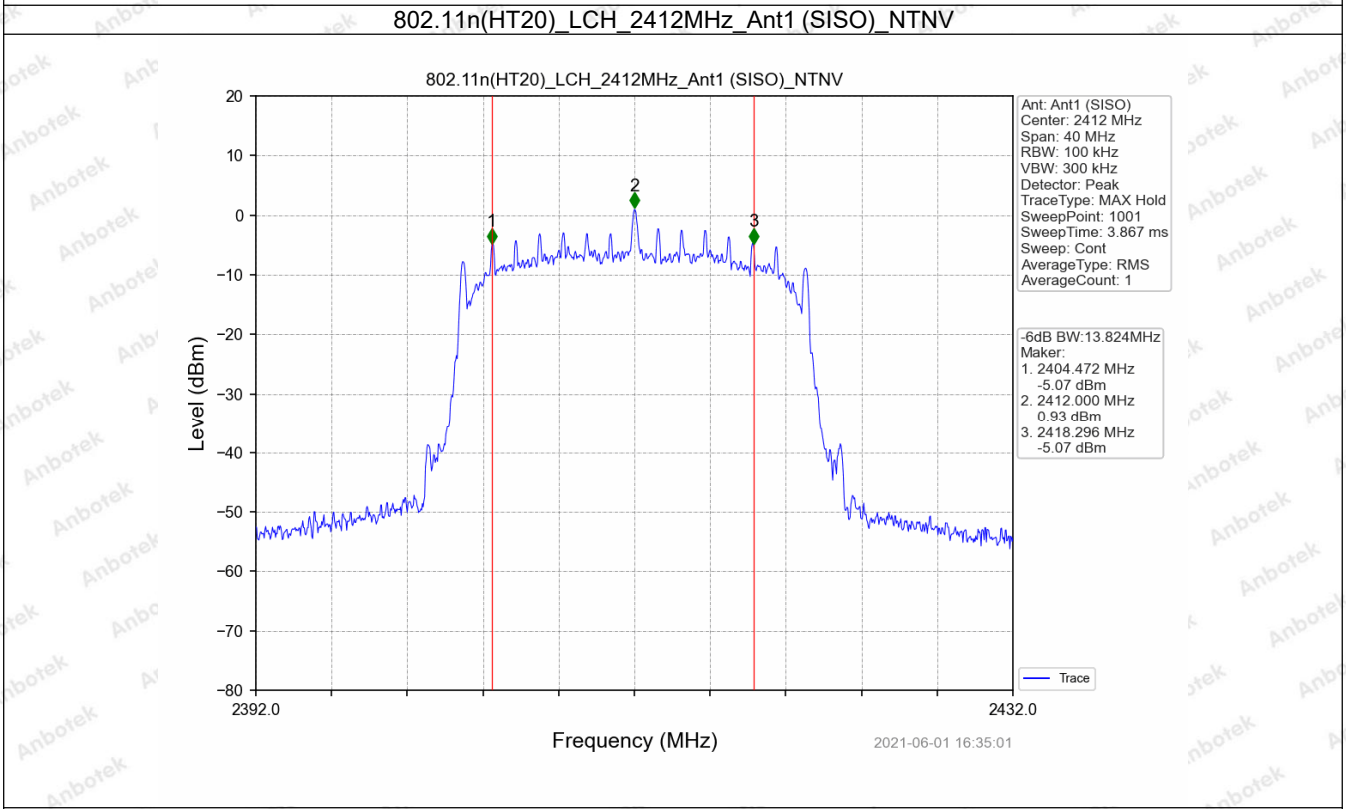
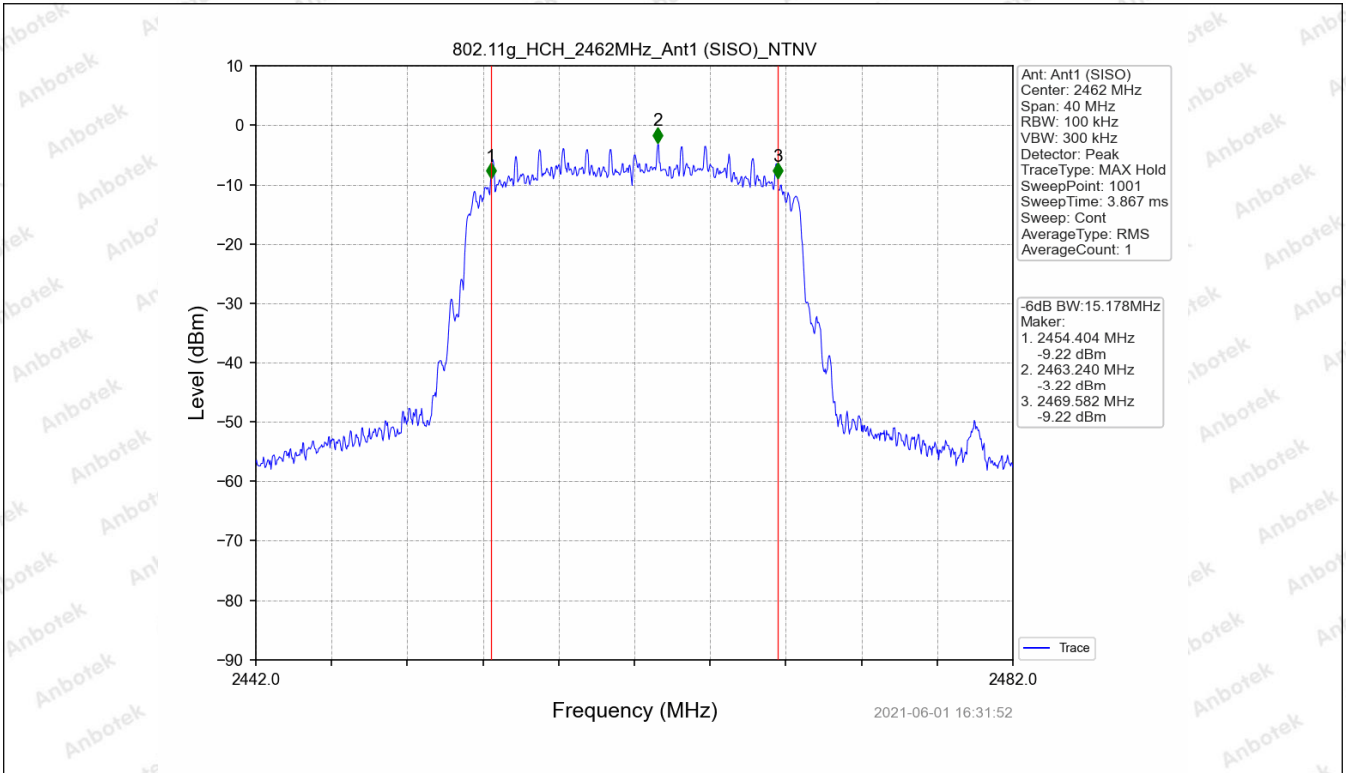
Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

Hotline
400-003-0500
www.anbotek.com





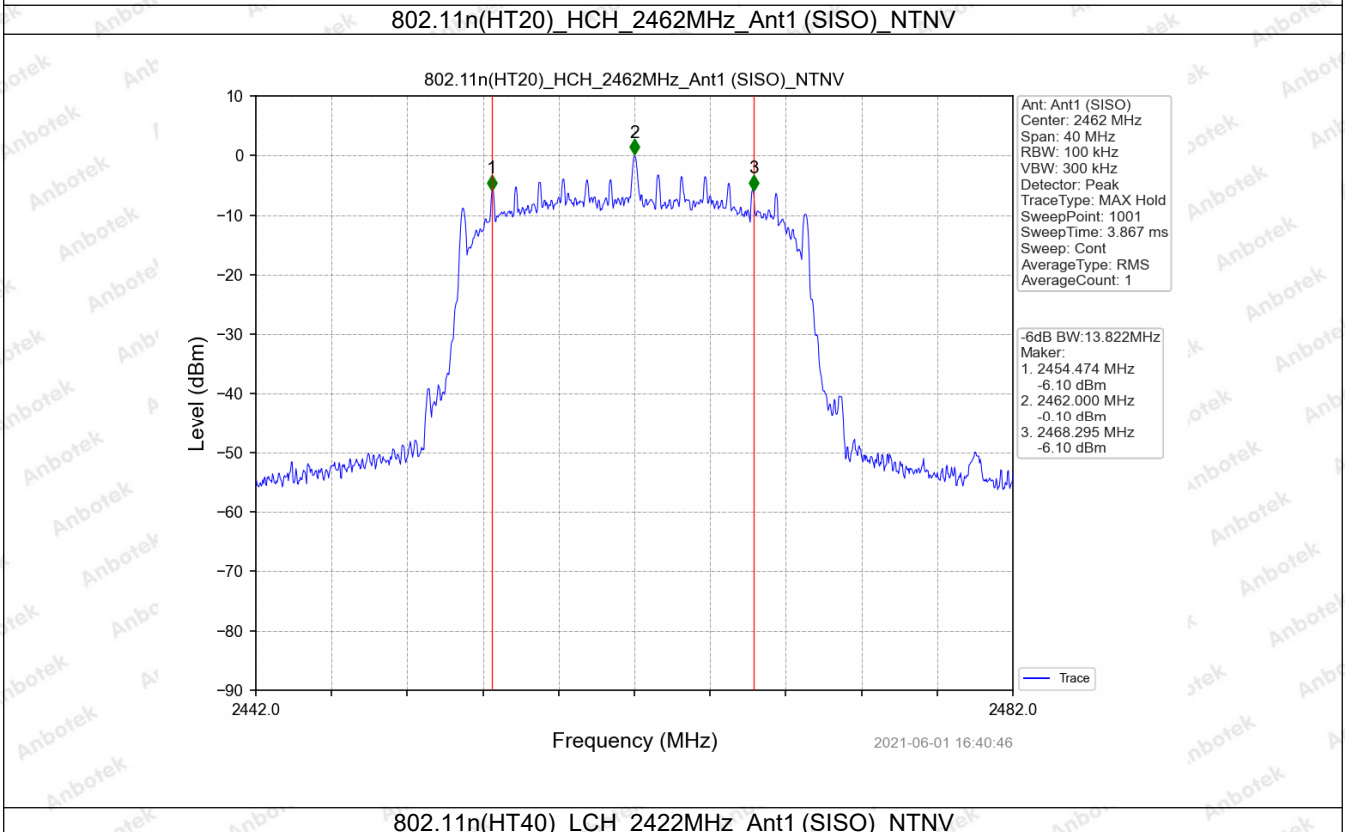
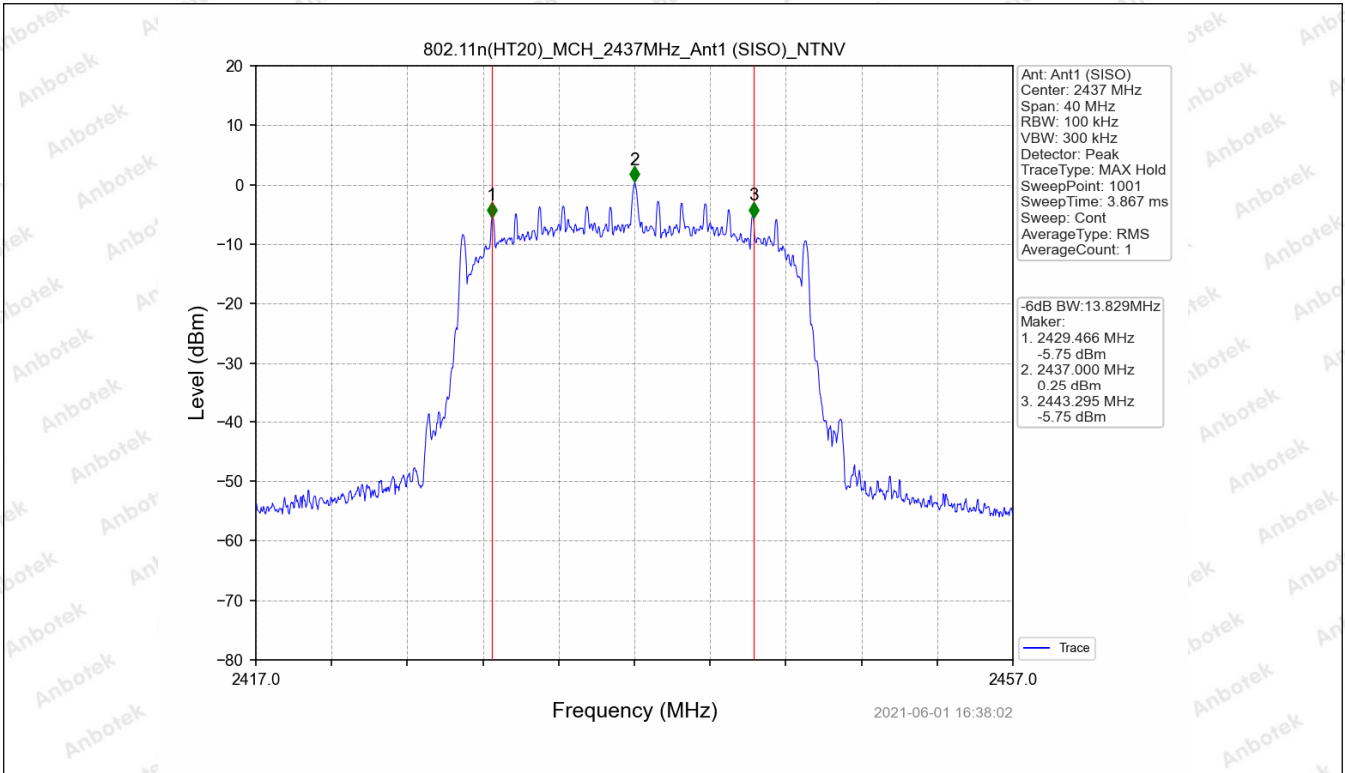
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV

Shenzhen Anbotek Compliance Laboratory Limited

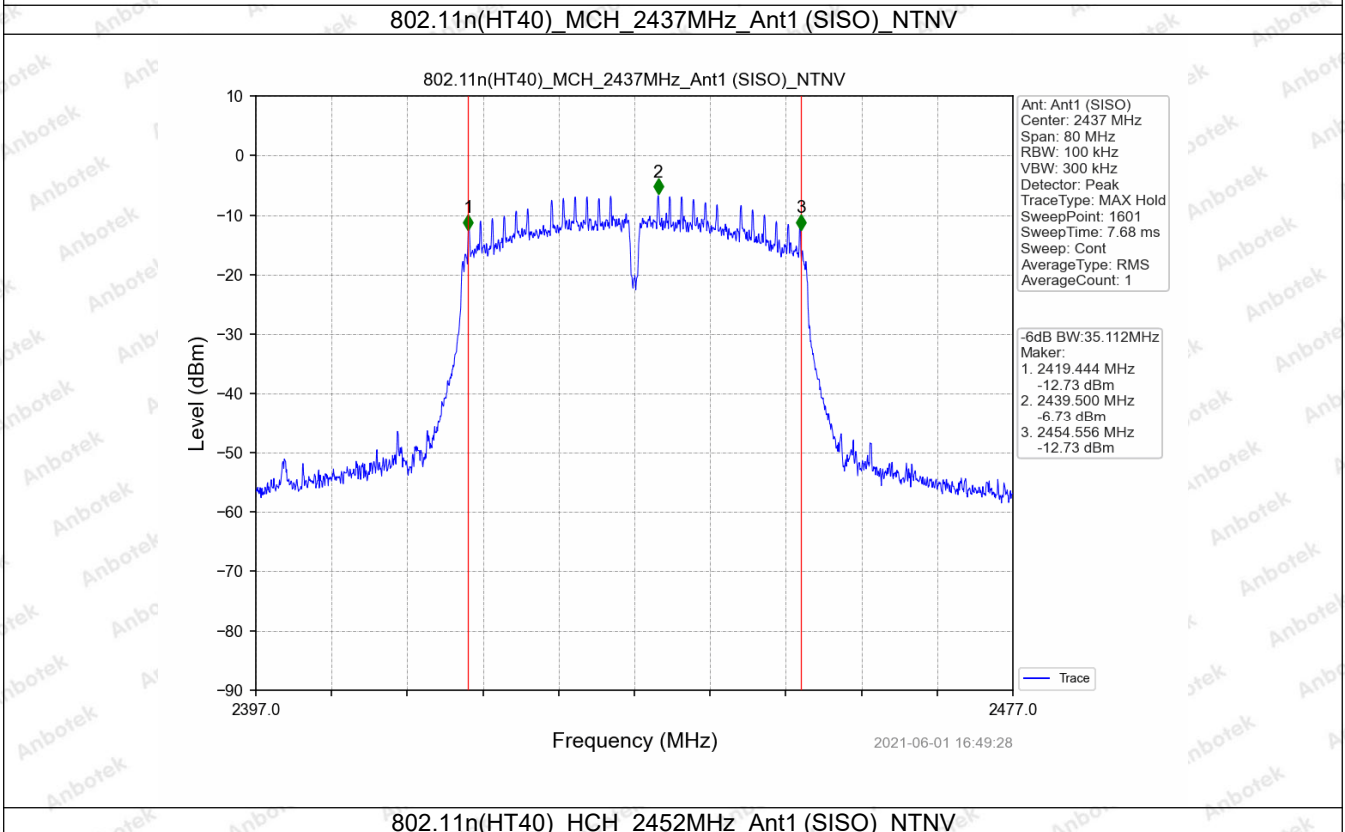
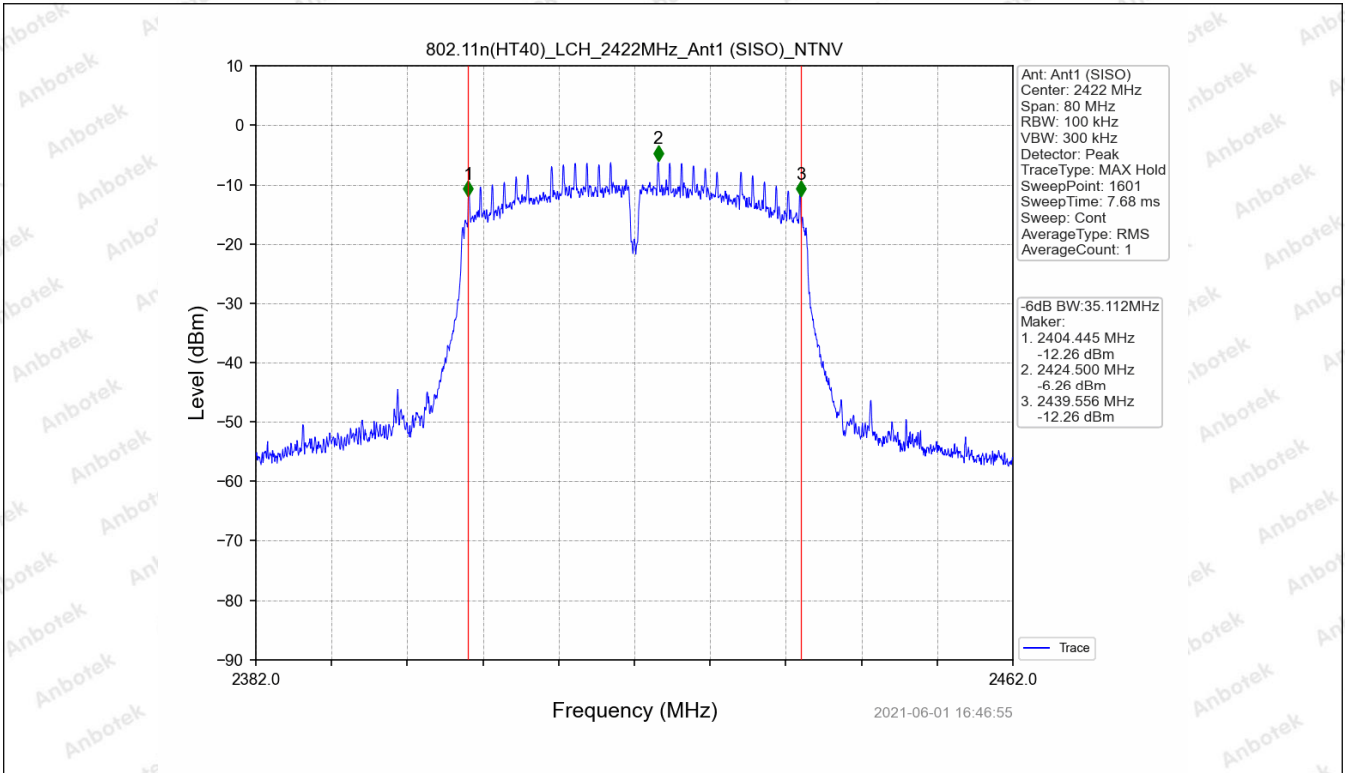
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

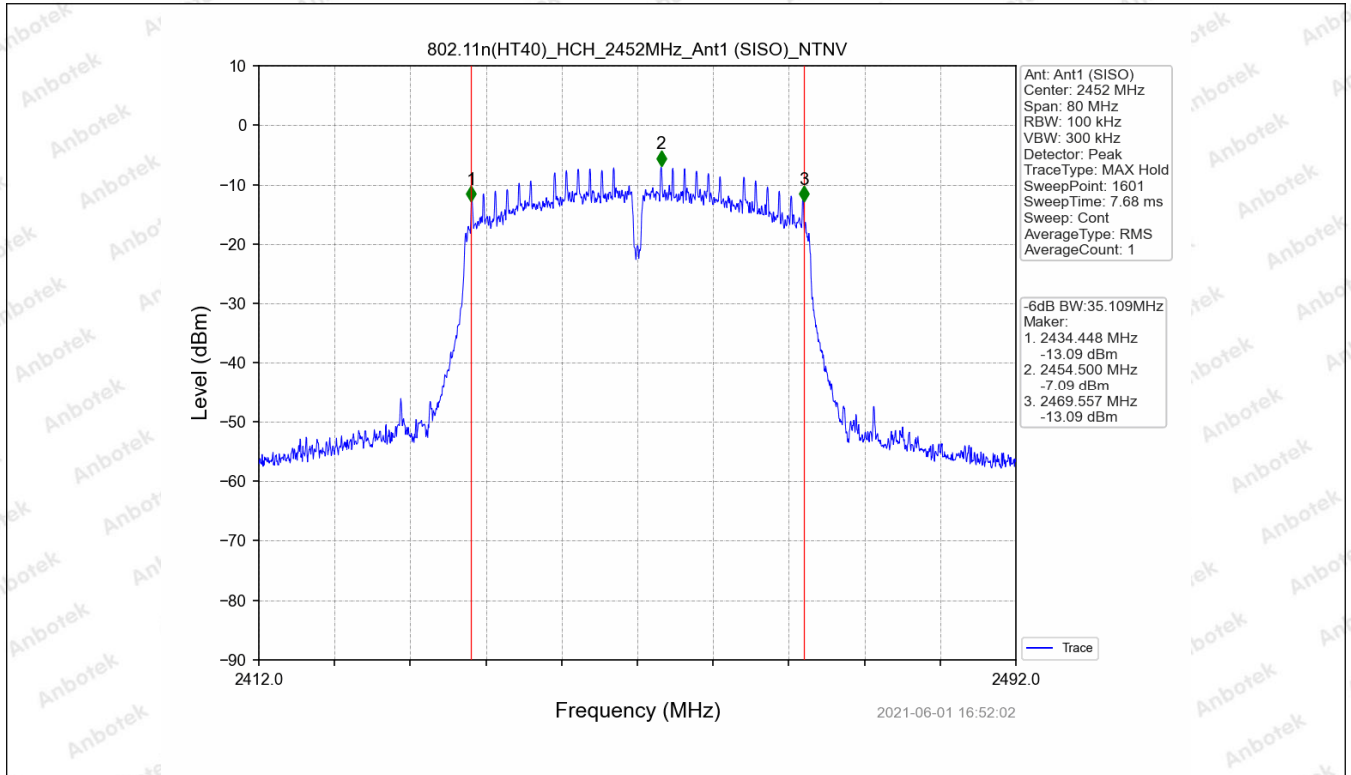
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

Hotline
400-003-0500
www.anbotek.com



802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV





Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com



Hotline

400-003-0500

www.anbotek.com

3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Measured Peak Output Power (dBm)	Limit (dBm)	Verdict
					Ant1		
802.11b	SISO	2412	/	/	21.08	<=30	Pass
		2437	/	/	20.71	<=30	Pass
		2462	/	/	20.23	<=30	Pass
802.11g	SISO	2412	/	/	15.61	<=30	Pass
		2437	/	/	15.14	<=30	Pass
		2462	/	/	14.71	<=30	Pass
802.11n (HT20)	SISO	2412	/	/	15.45	<=30	Pass
		2437	/	/	14.92	<=30	Pass
		2462	/	/	14.53	<=30	Pass
802.11n (HT40)	SISO	2422	/	/	14.31	<=30	Pass
		2437	/	/	13.84	<=30	Pass
		2452	/	/	13.47	<=30	Pass

Note1: Antenna Gain: 1:0dBi;

4. Maximum Power Spectral Density

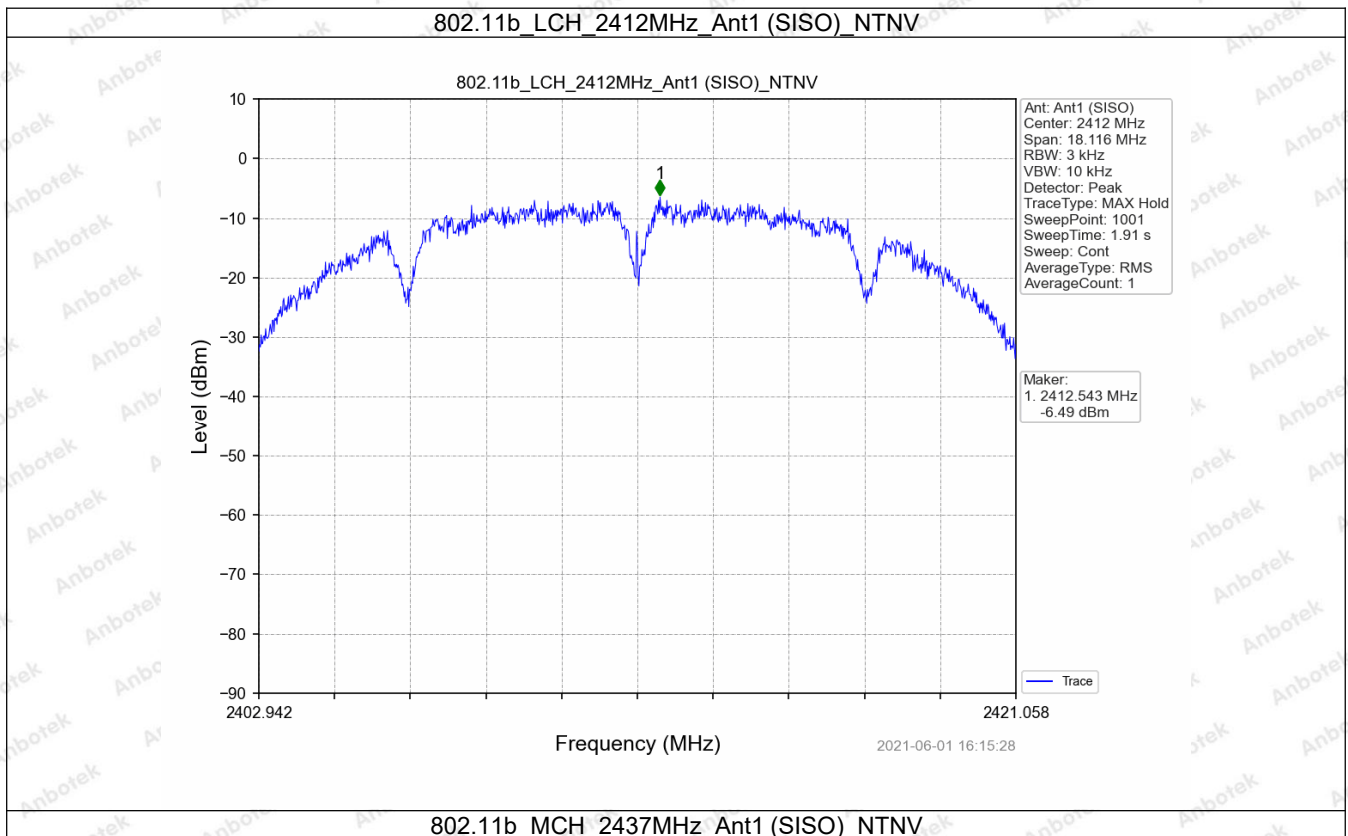
4.1 PSD

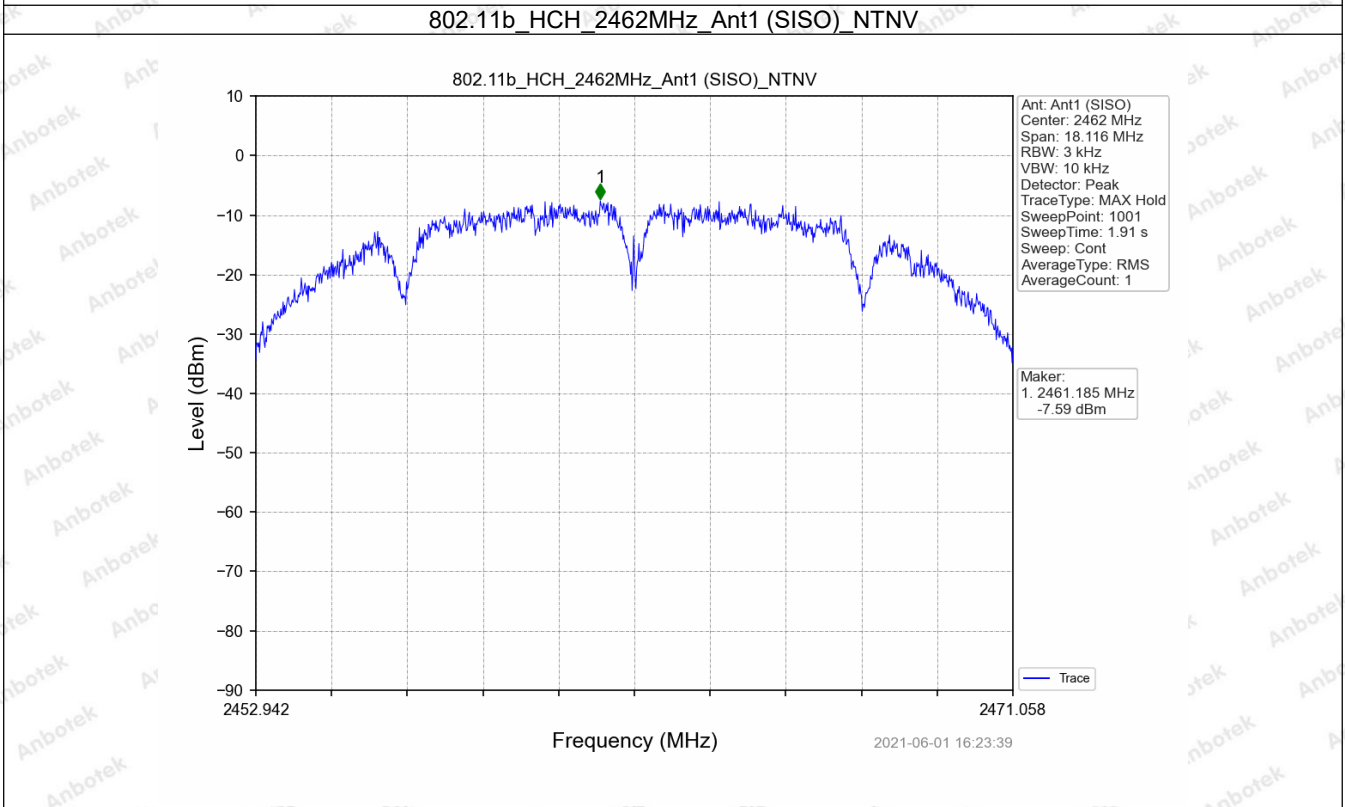
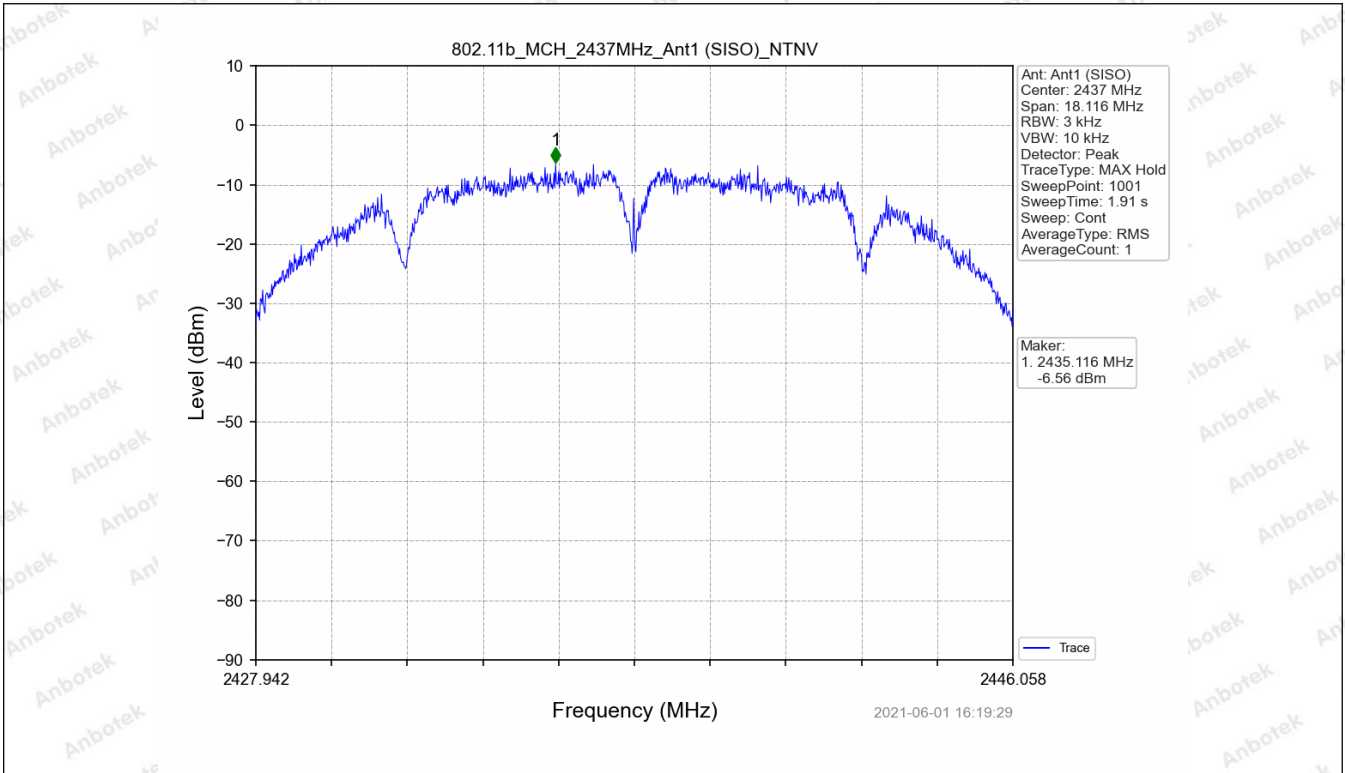
4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/3kHz)		Limit (dBm/3kHz)	Verdict
					Ant1			
802.11b	SISO	2412	/	/	-6.49		<=8	Pass
		2437	/	/	-6.56		<=8	Pass
		2462	/	/	-7.59		<=8	Pass
802.11g	SISO	2412	/	/	-17.71		<=8	Pass
		2437	/	/	-16.71		<=8	Pass
		2462	/	/	-18.05		<=8	Pass
802.11n (HT20)	SISO	2412	/	/	-16.89		<=8	Pass
		2437	/	/	-16.66		<=8	Pass
		2462	/	/	-17.18		<=8	Pass
802.11n (HT40)	SISO	2422	/	/	-20.77		<=8	Pass
		2437	/	/	-21.08		<=8	Pass
		2452	/	/	-21.58		<=8	Pass

Note1: Antenna Gain: 1:0dBi;

4.1.2 Test Graph





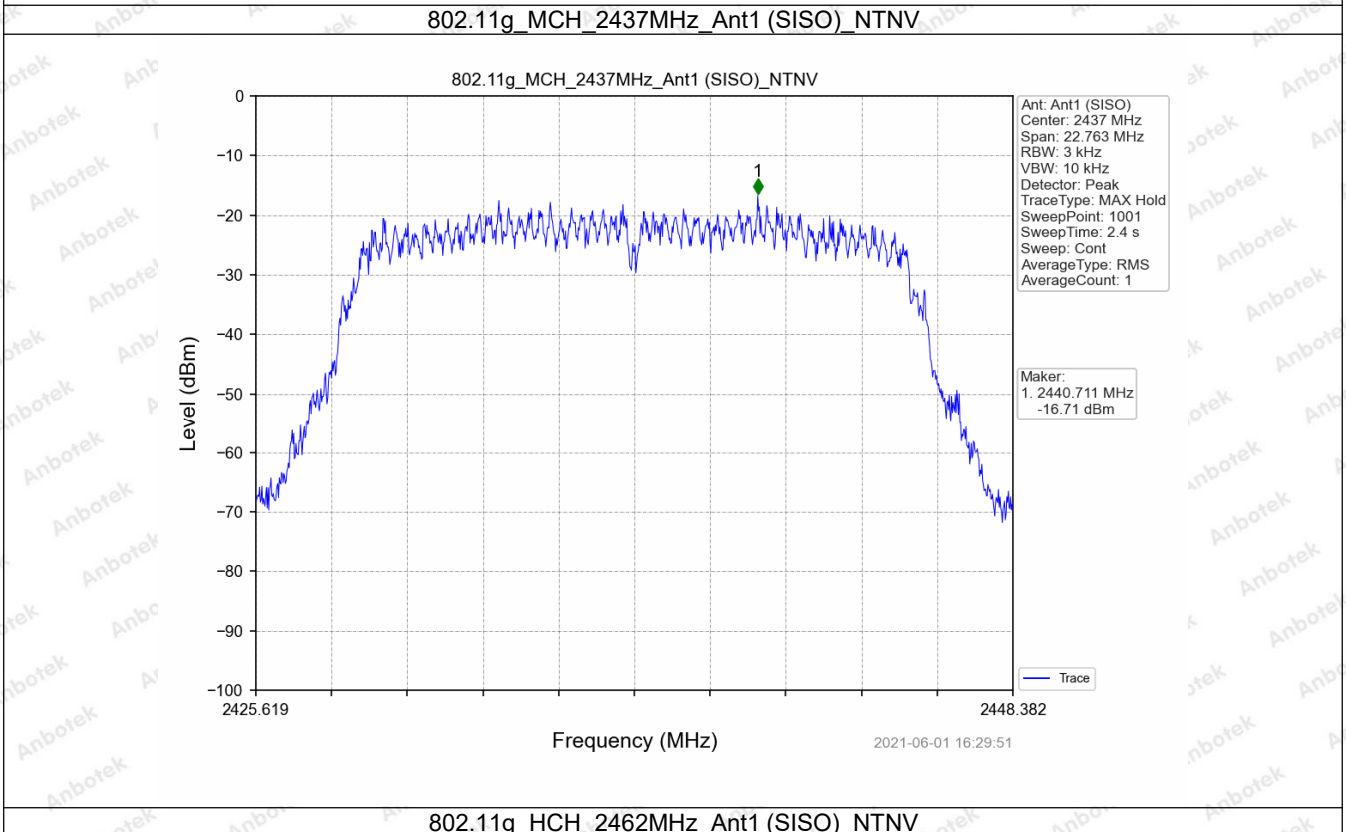
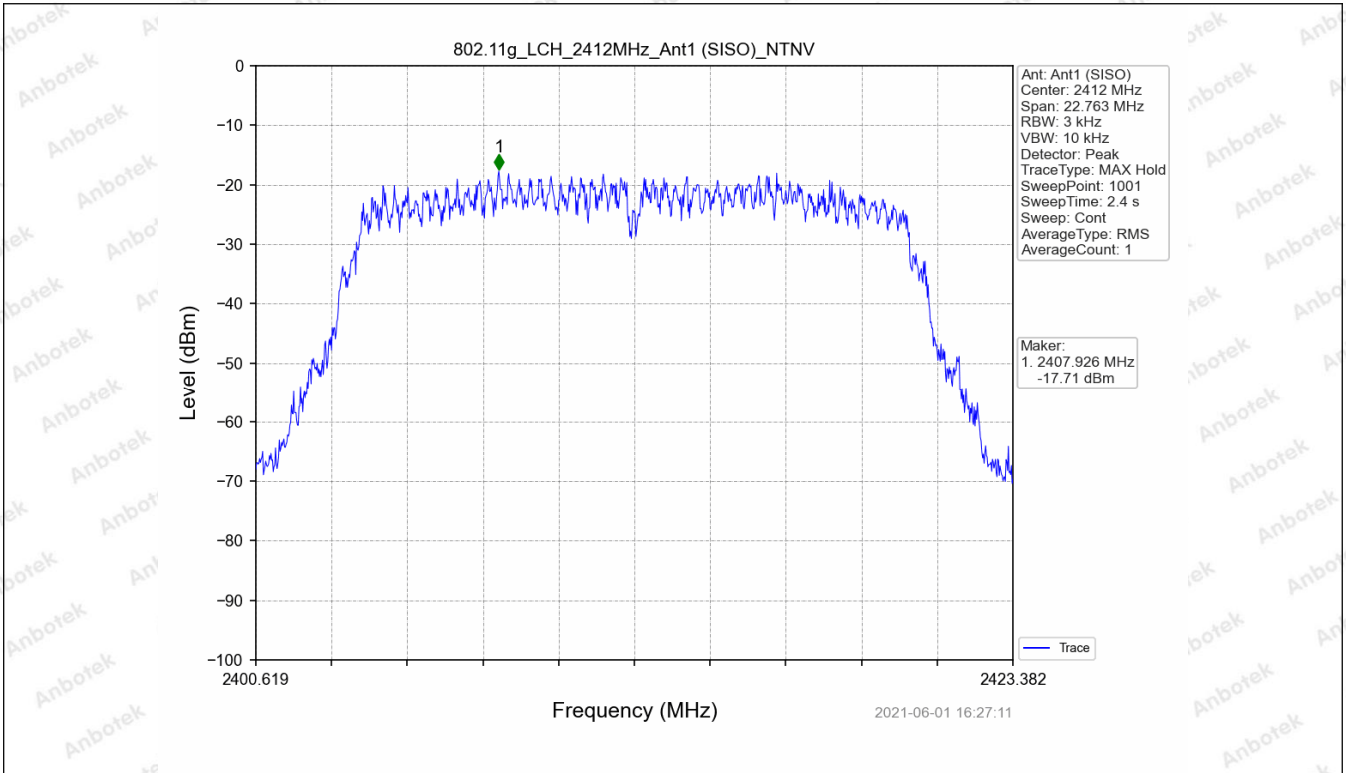
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

Hotline
400-003-0500
www.anbotek.com



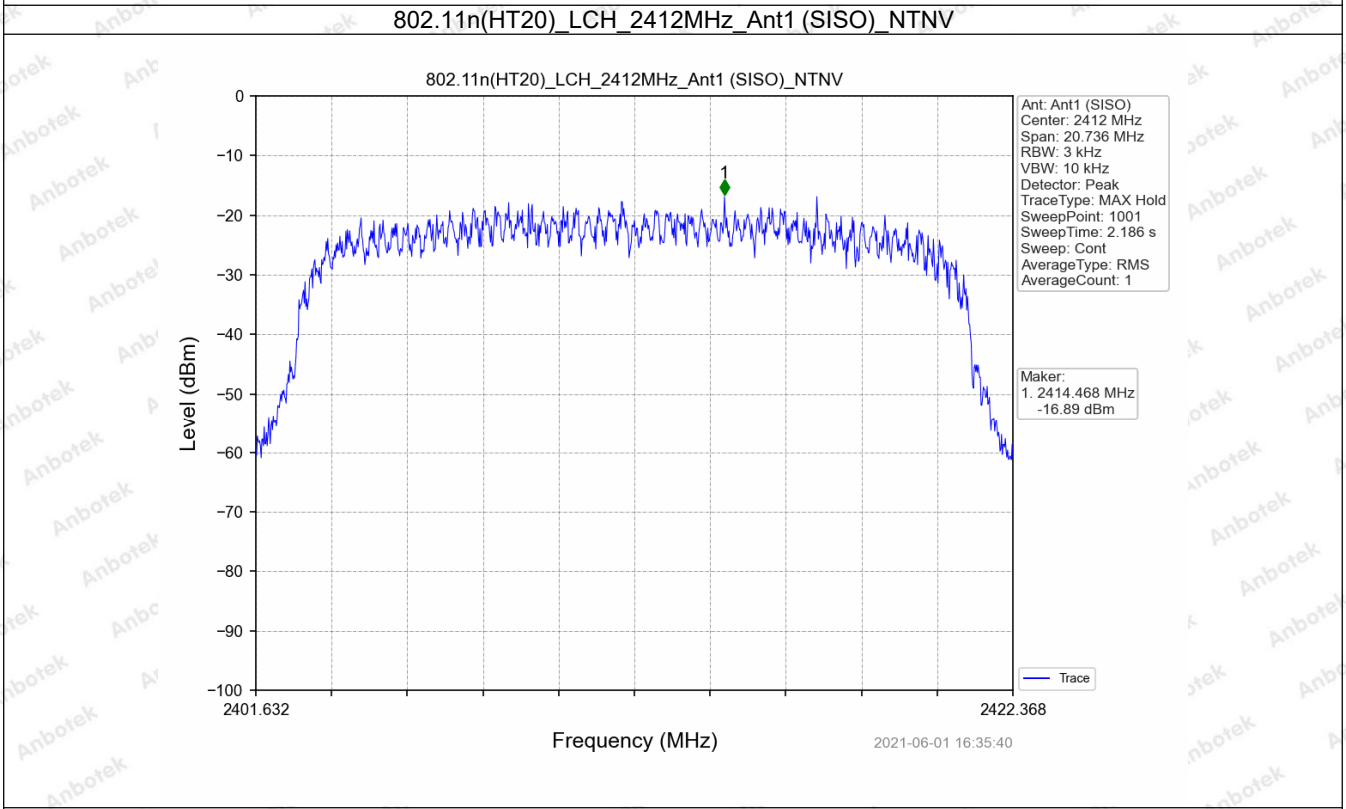
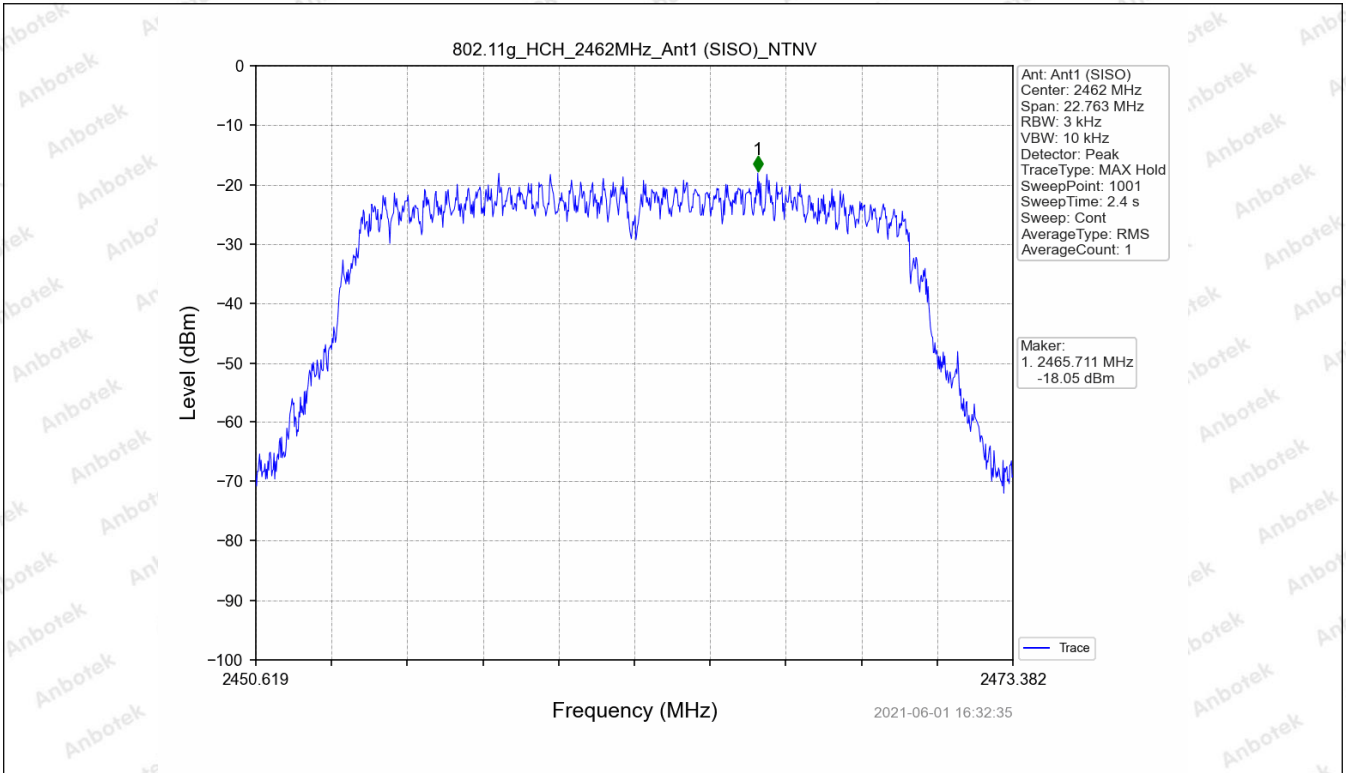
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

Hotline
400-003-0500
www.anbotek.com



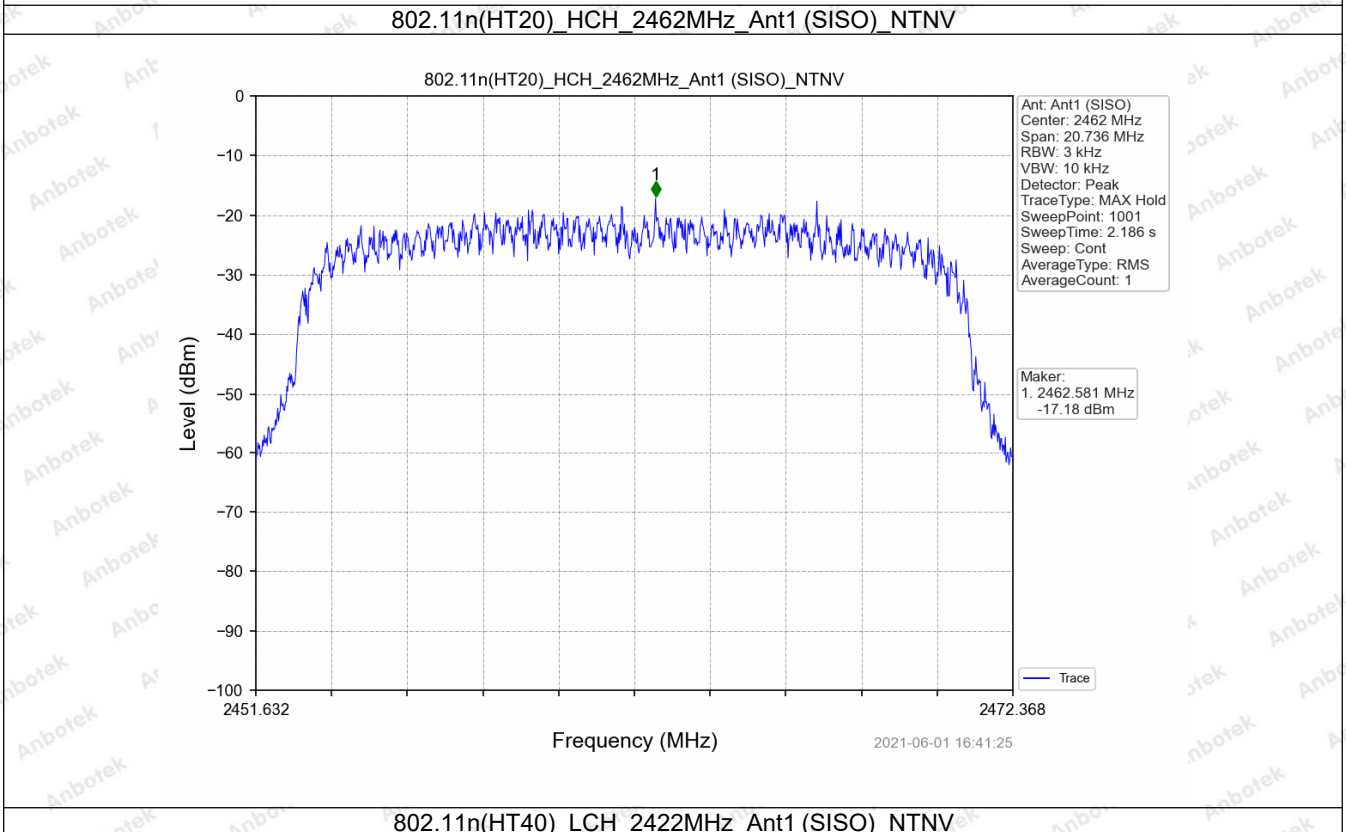
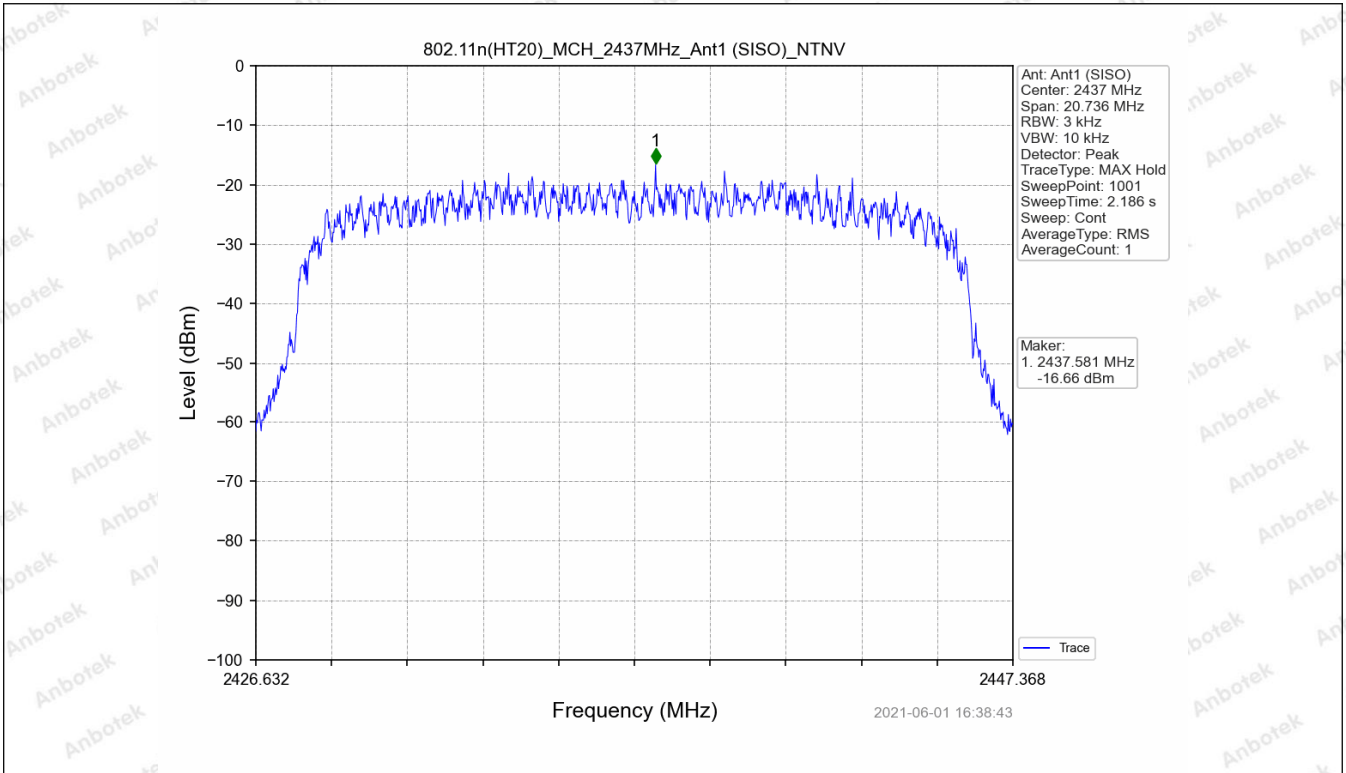
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

Hotline
400-003-0500
www.anbotek.com



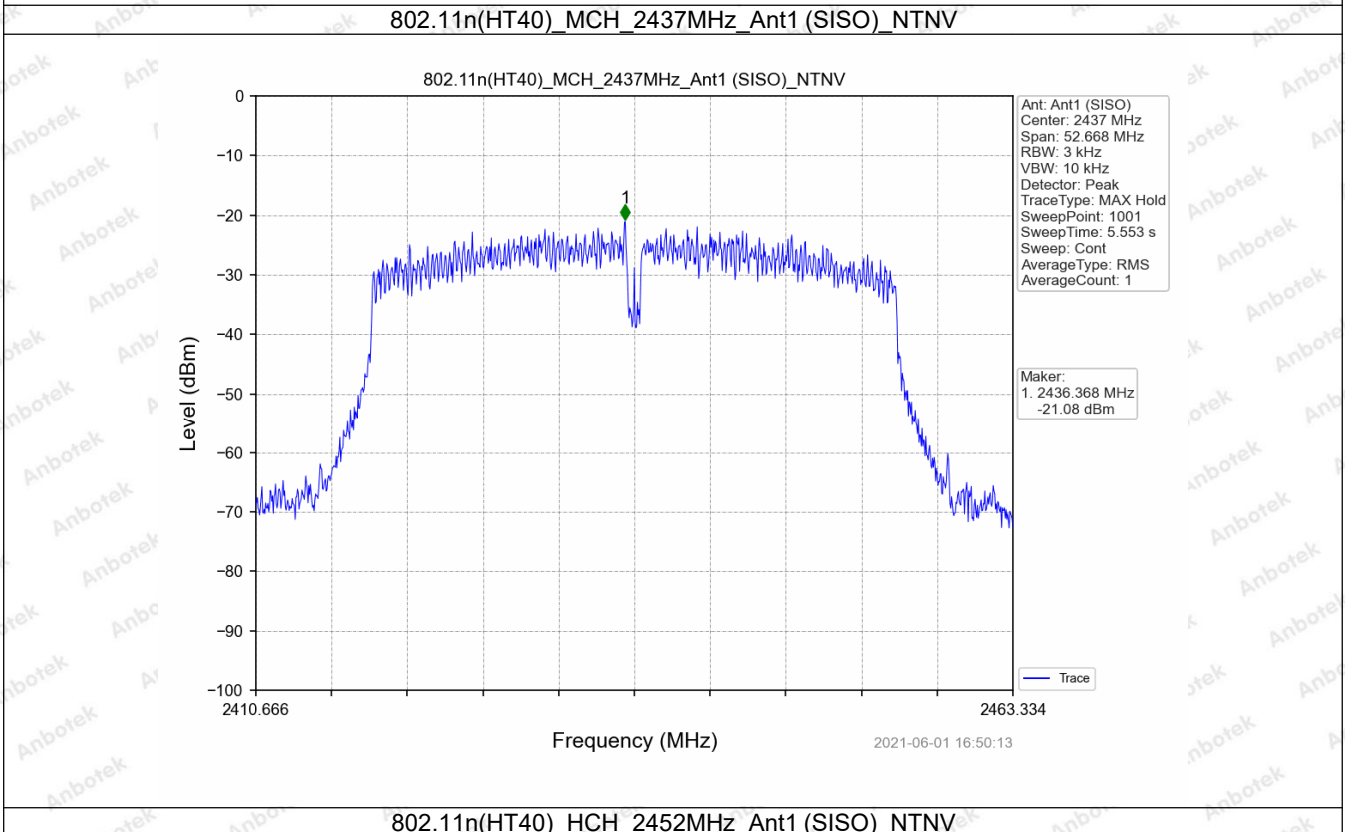
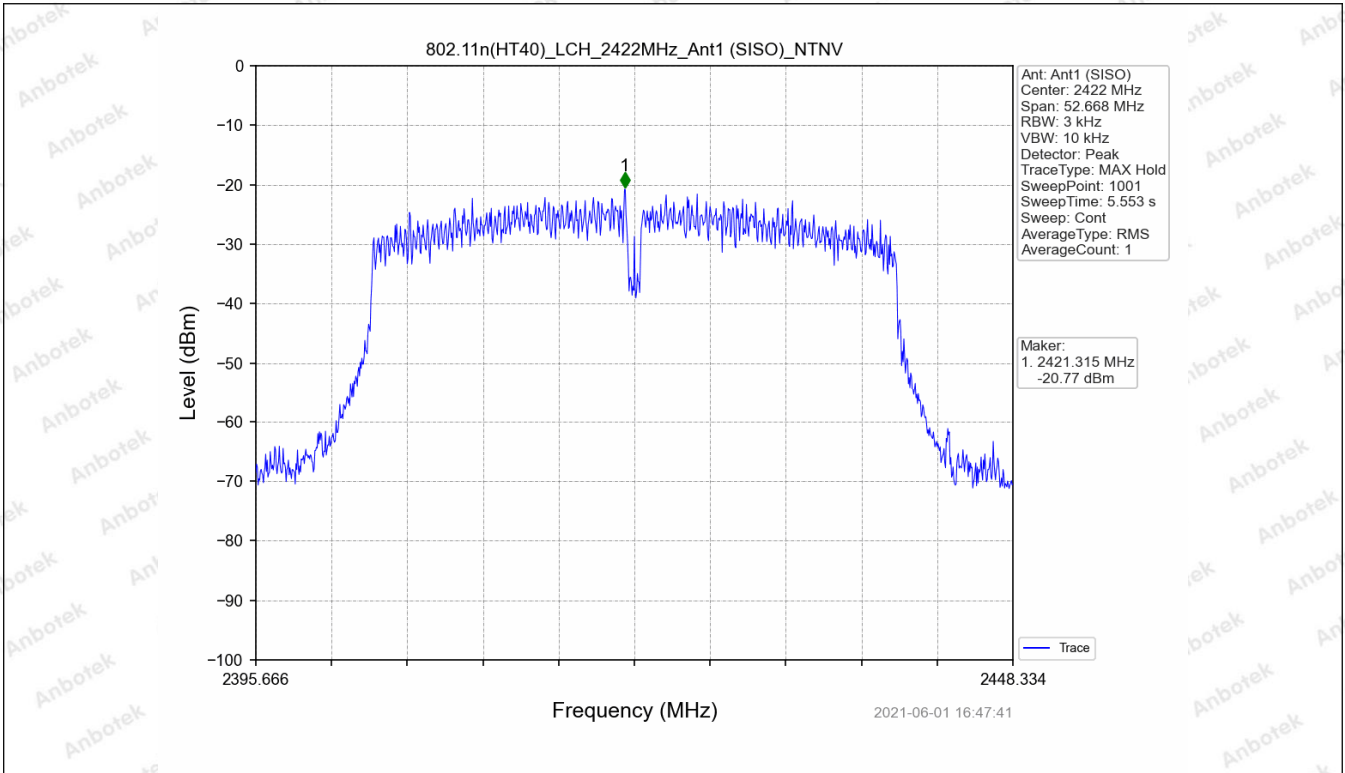
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

Hotline
400-003-0500
www.anbotek.com

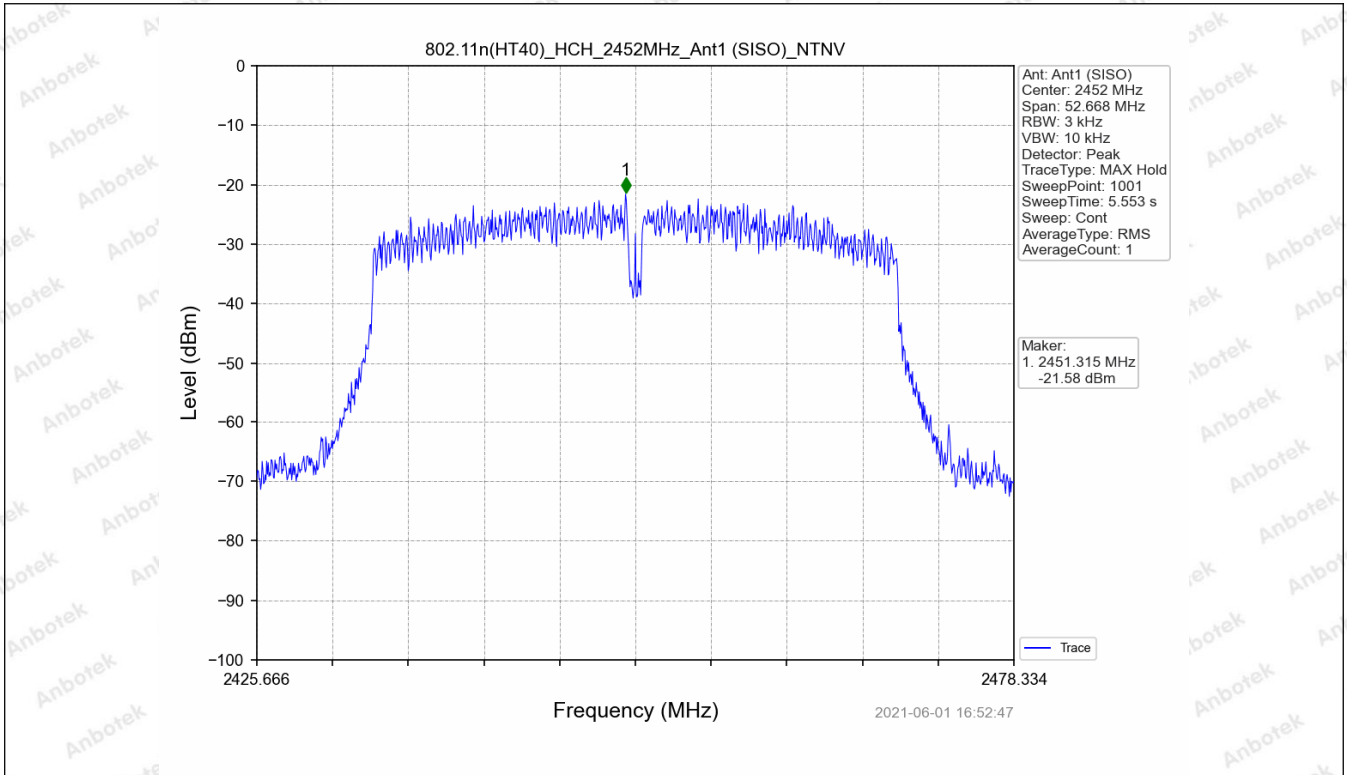


Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

Hotline
400-003-0500
www.anbotek.com



Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

Hotline
400-003-0500
www.anbotek.com

5. Unwanted Emissions In Non-restricted Frequency Bands

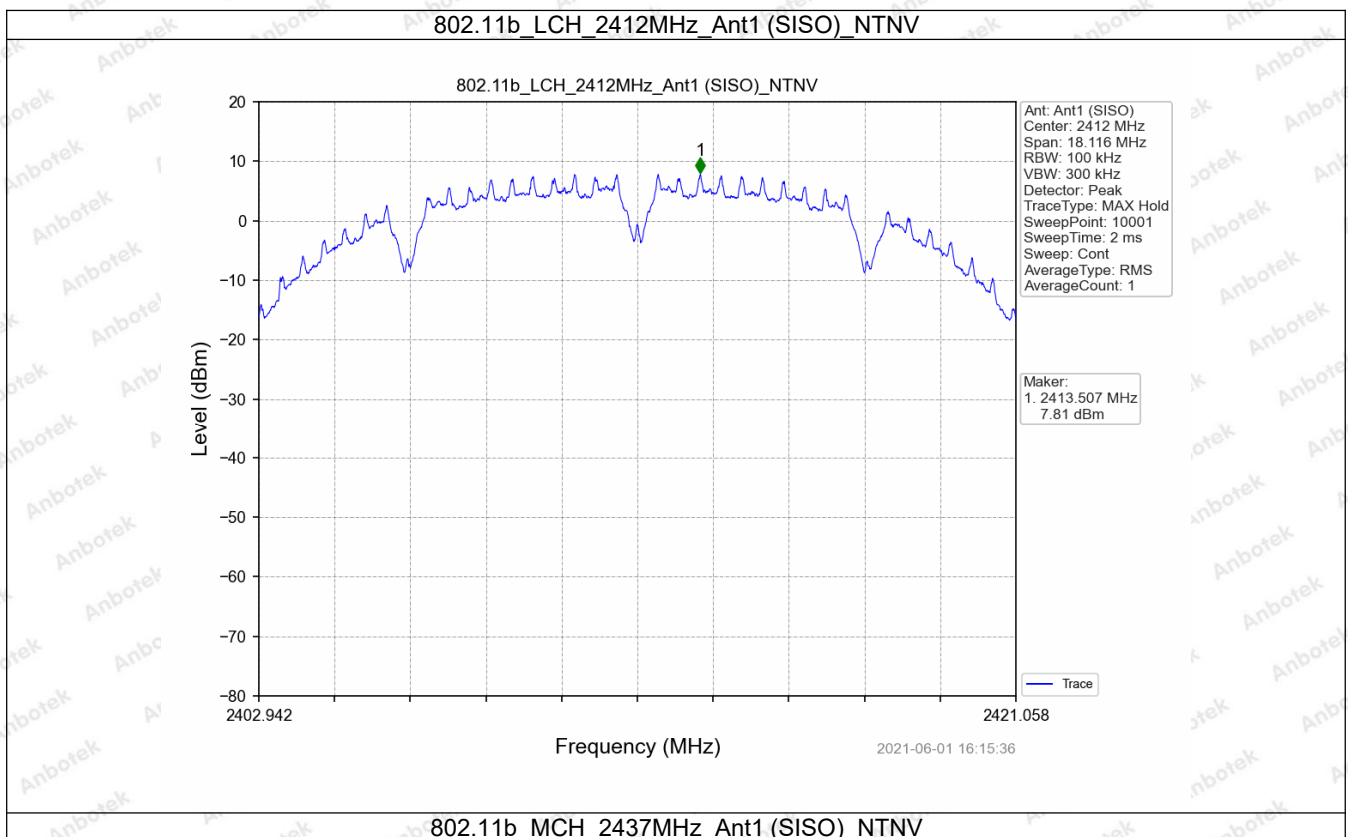
5.1 Ref

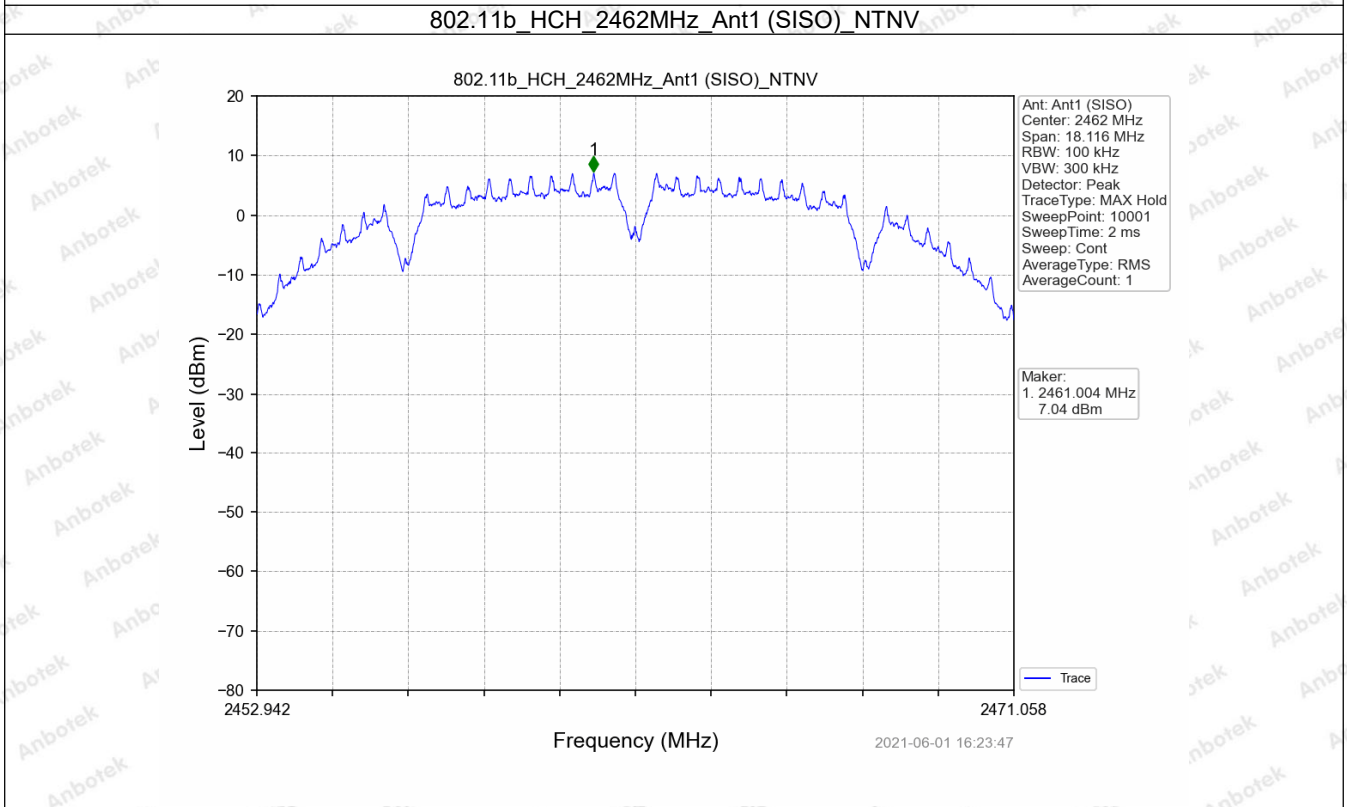
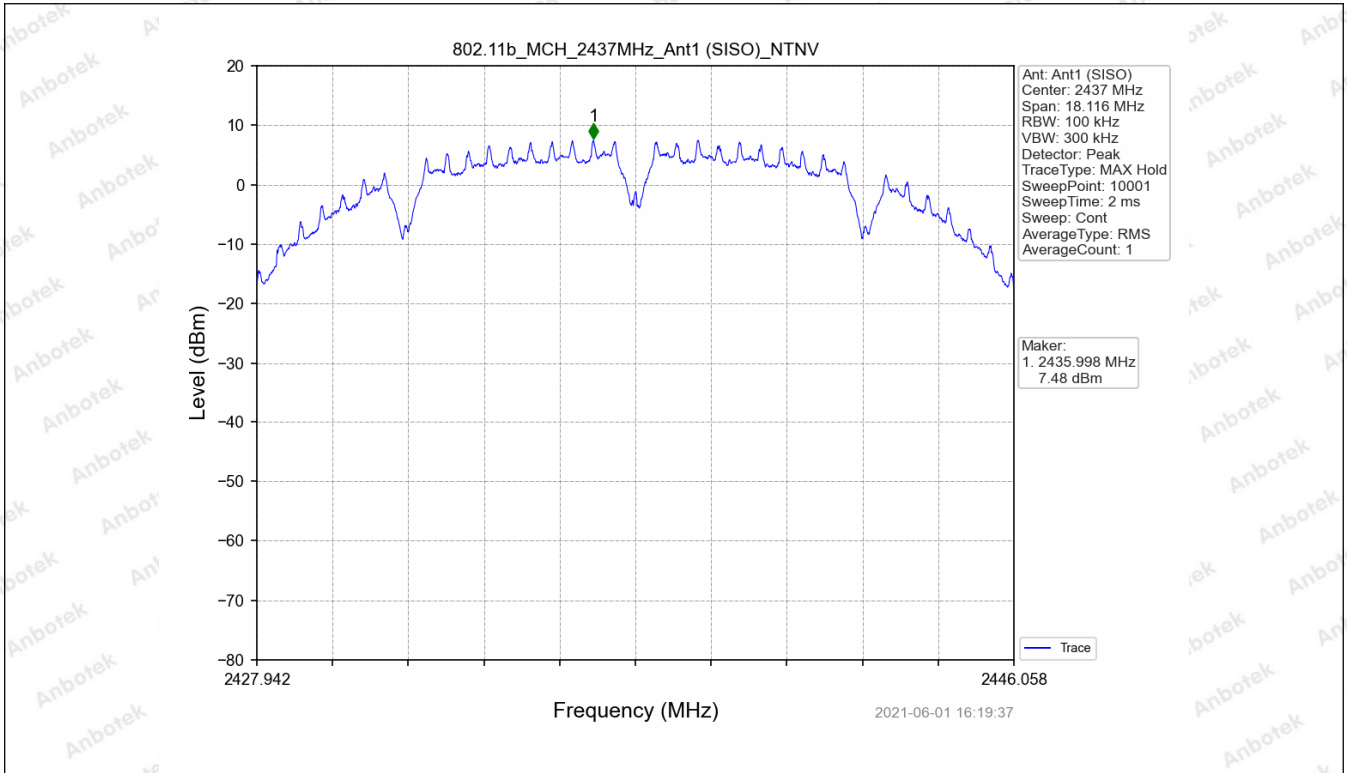
5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	/	/	1	7.81	/	/
		2437	/	/	1	7.48	/	/
		2462	/	/	1	7.04	/	/
802.11g	SISO	2412	/	/	1	-2.43	/	/
		2437	/	/	1	-2.96	/	/
		2462	/	/	1	-3.40	/	/
802.11n (HT20)	SISO	2412	/	/	1	0.83	/	/
		2437	/	/	1	0.39	/	/
		2462	/	/	1	-0.19	/	/
802.11n (HT40)	SISO	2422	/	/	1	-6.34	/	/
		2437	/	/	1	-6.92	/	/
		2452	/	/	1	-7.20	/	/

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.

5.1.2 Test Graph





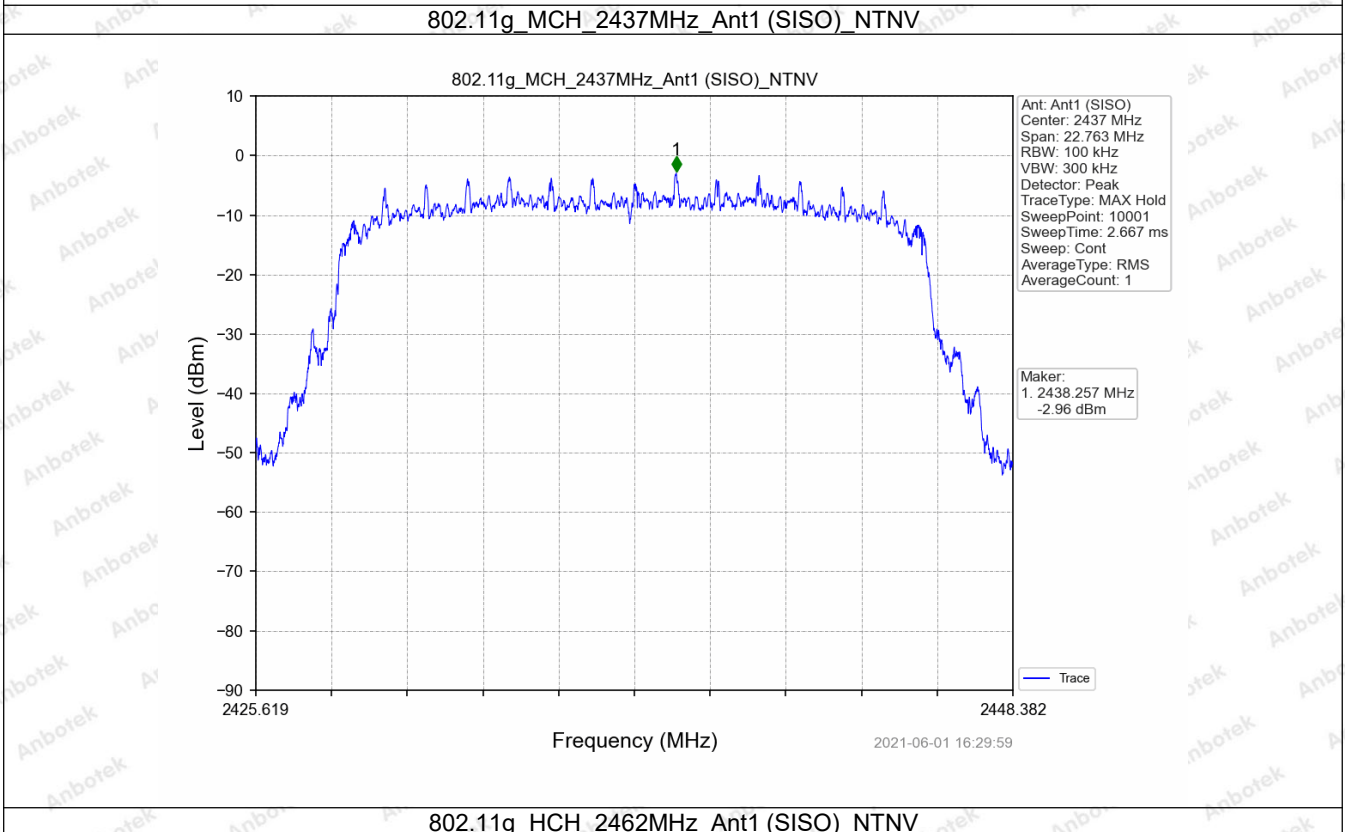
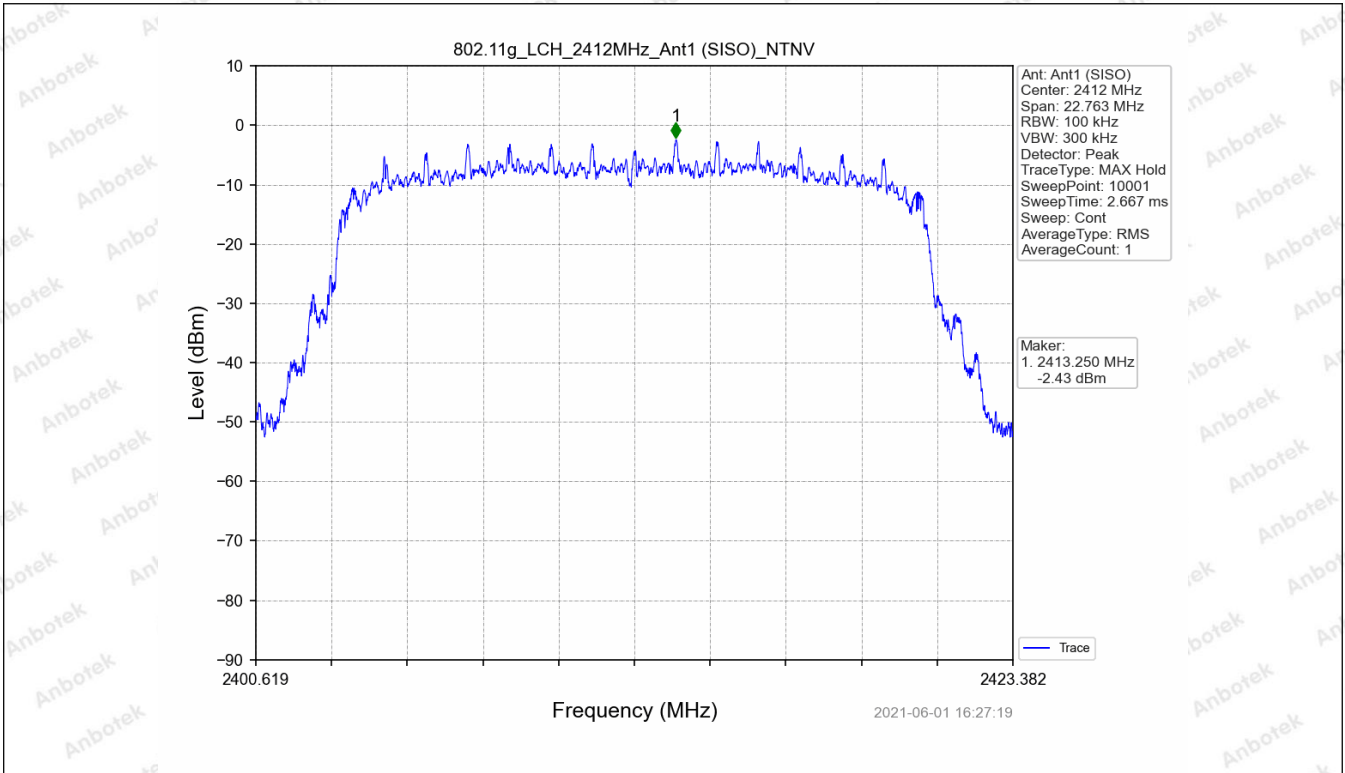
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

Hotline
400-003-0500
www.anbotek.com



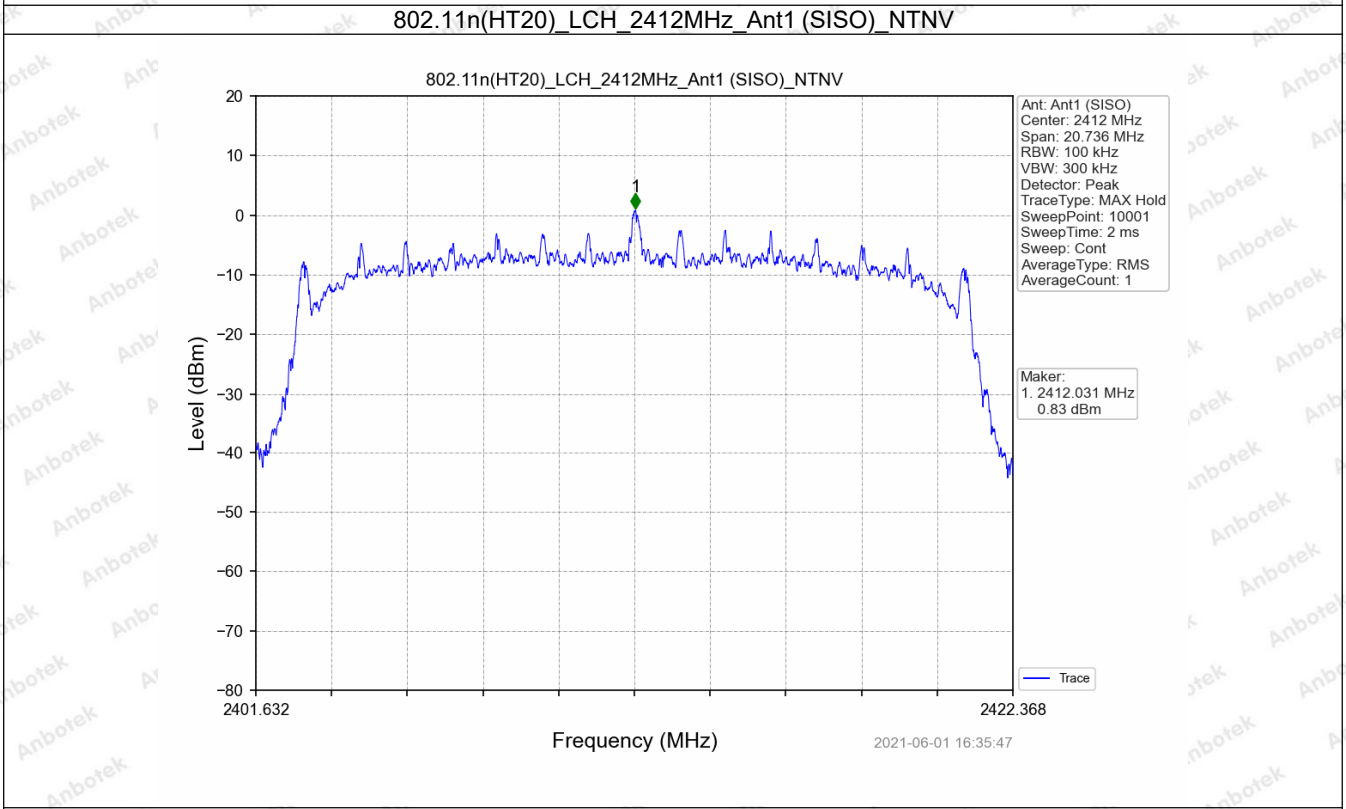
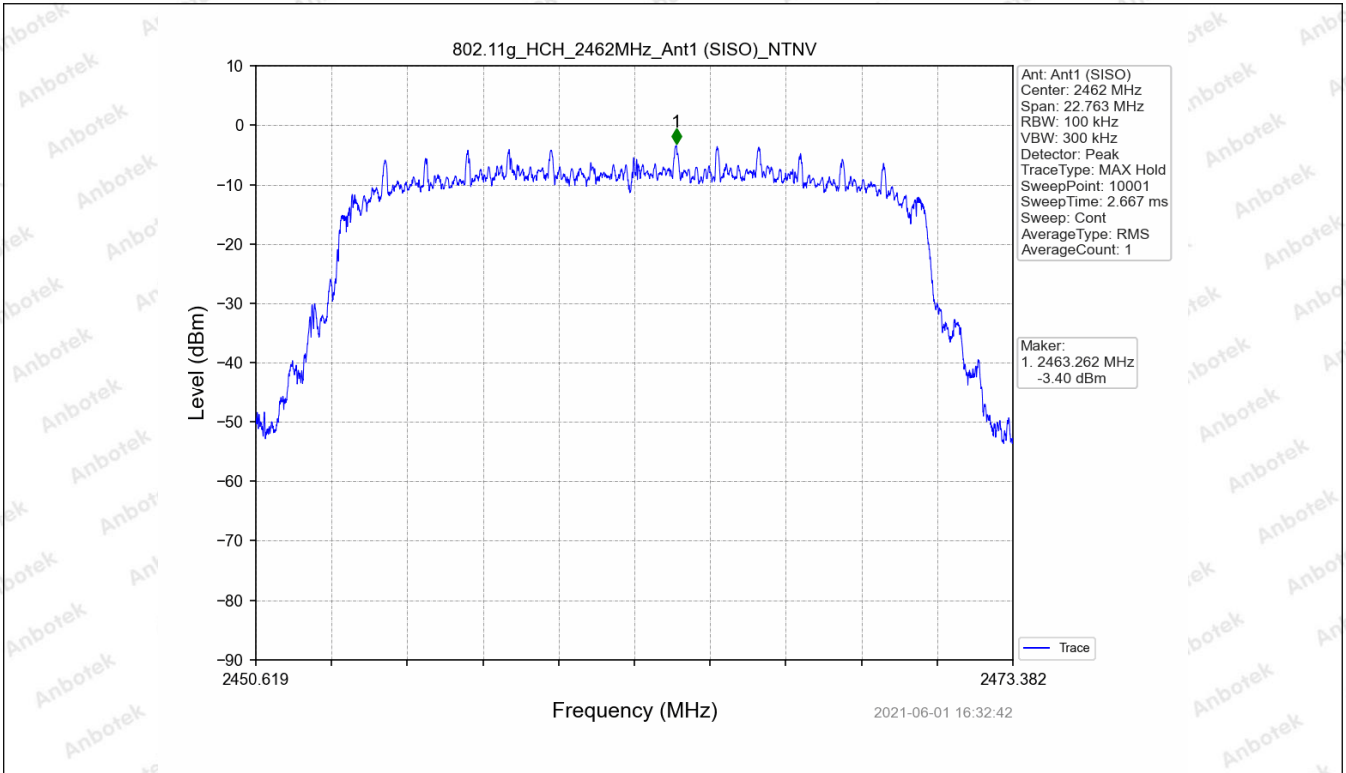
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

Shenzhen Anbotek Compliance Laboratory Limited

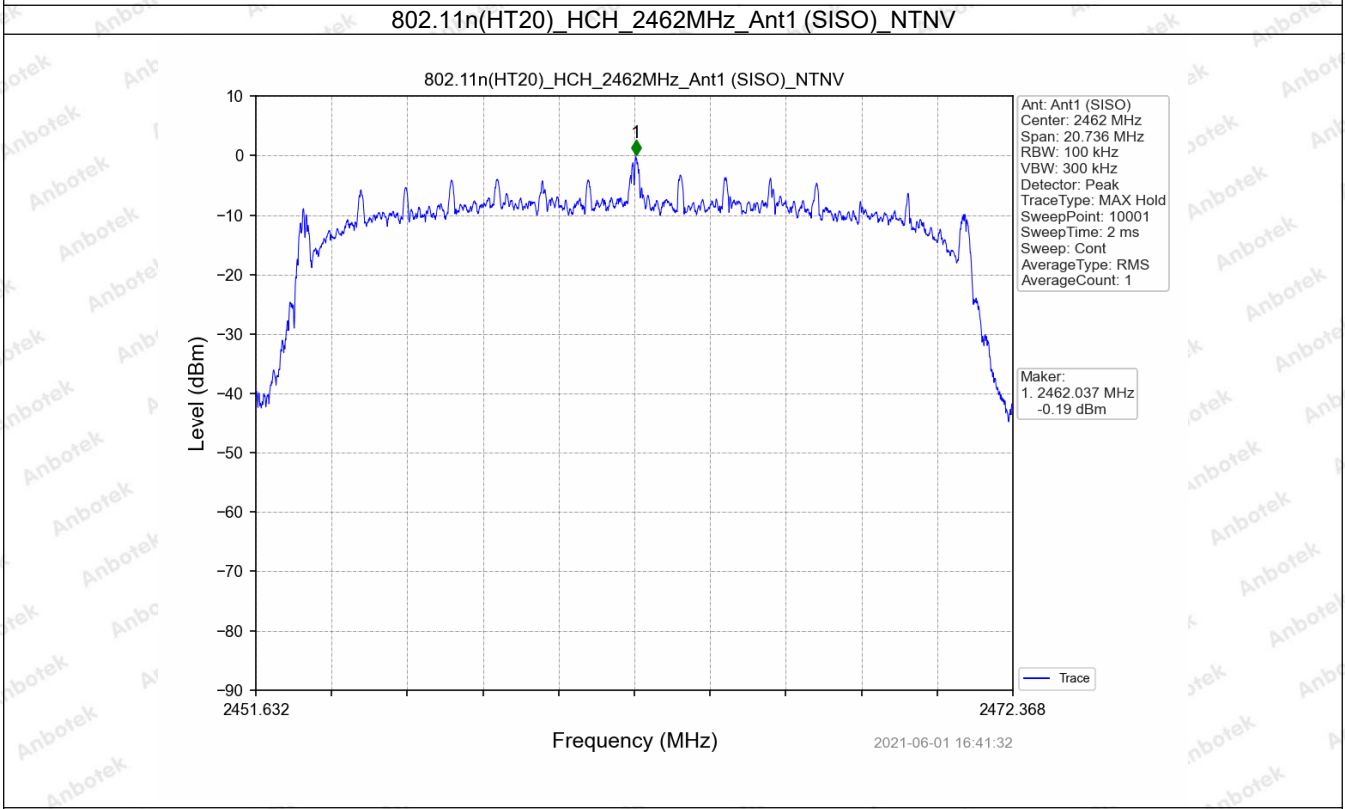
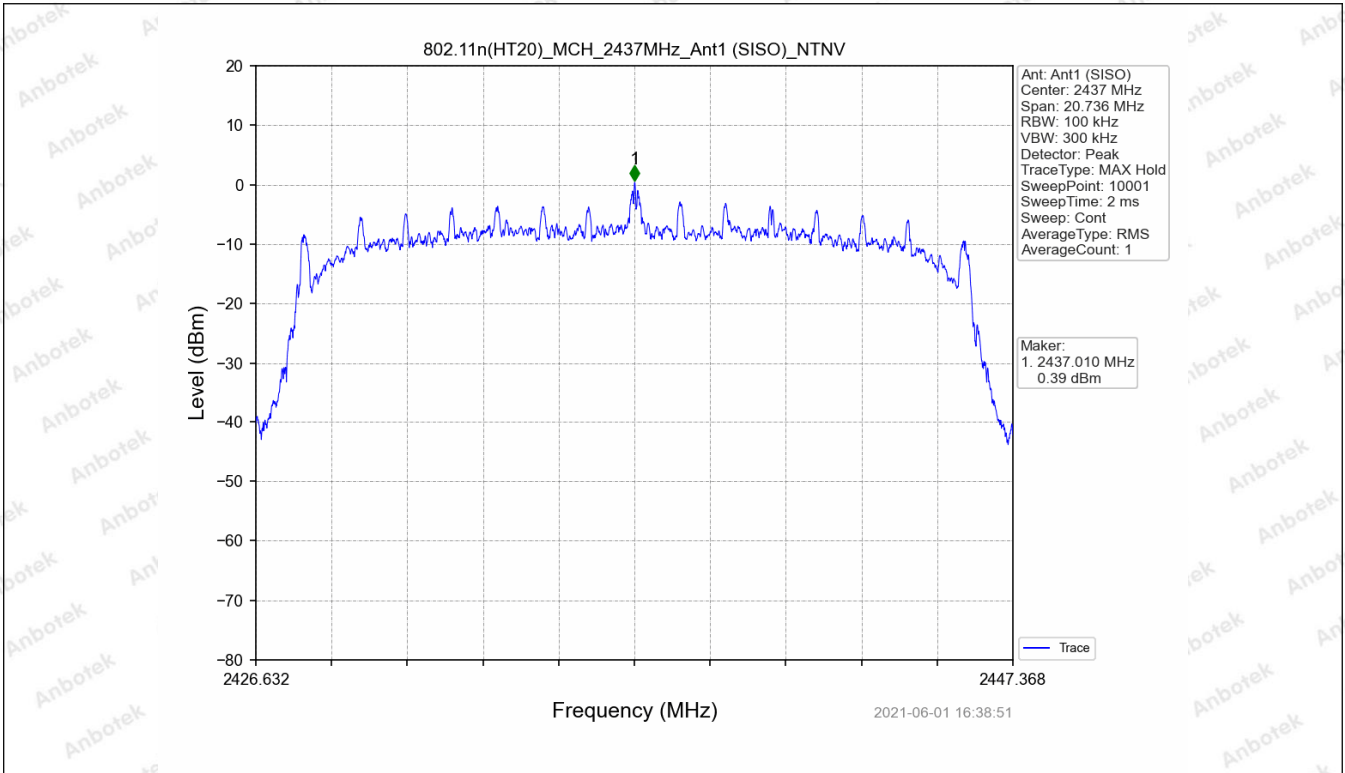
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

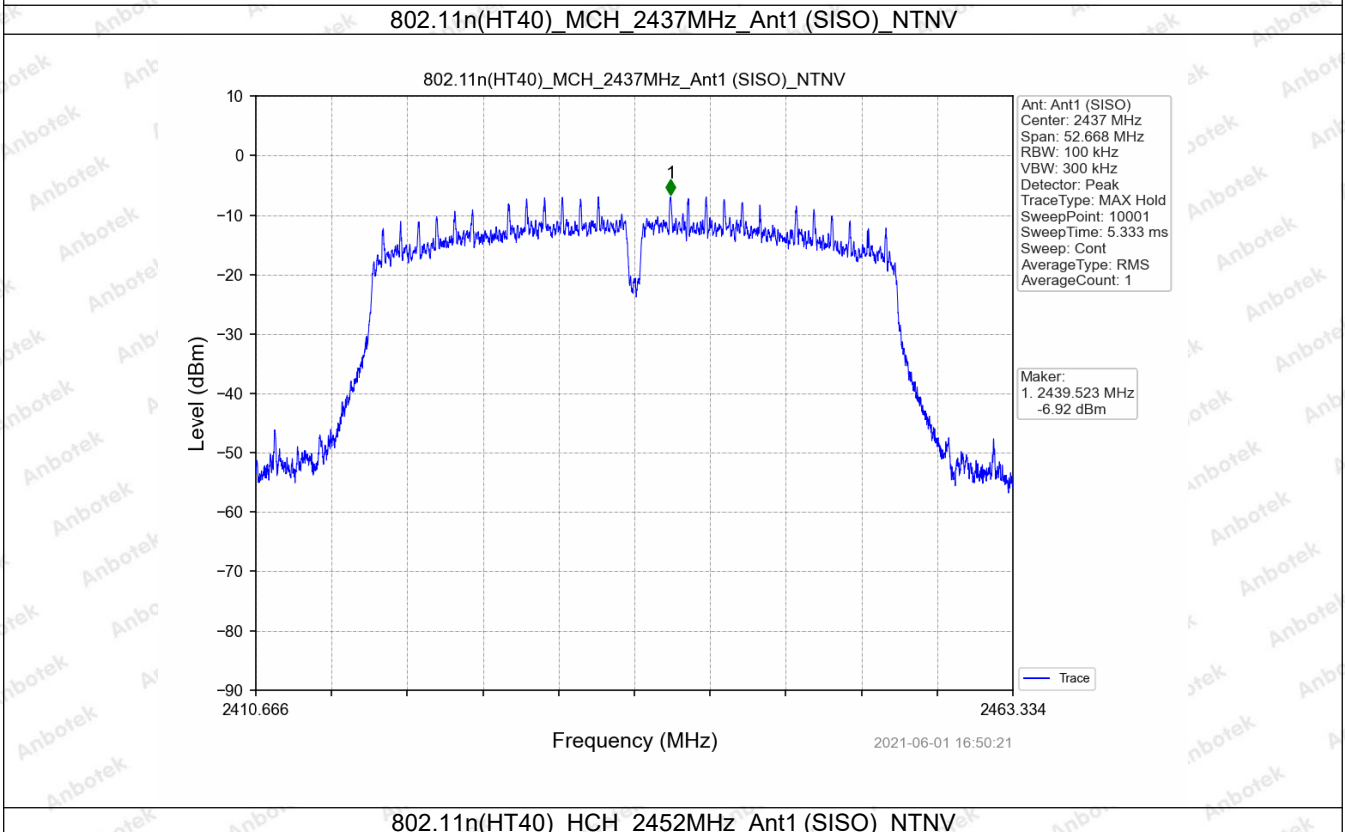
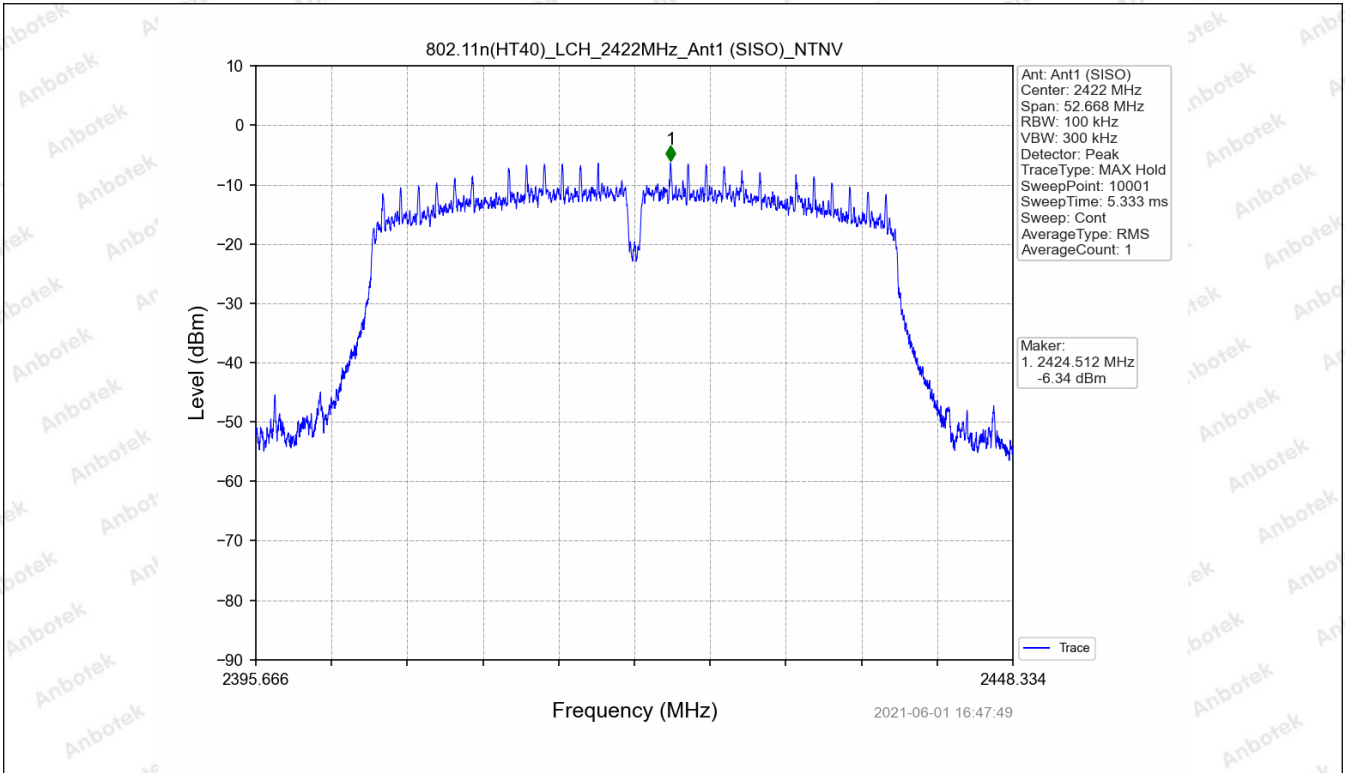
Hotline
400-003-0500
www.anbotek.com



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



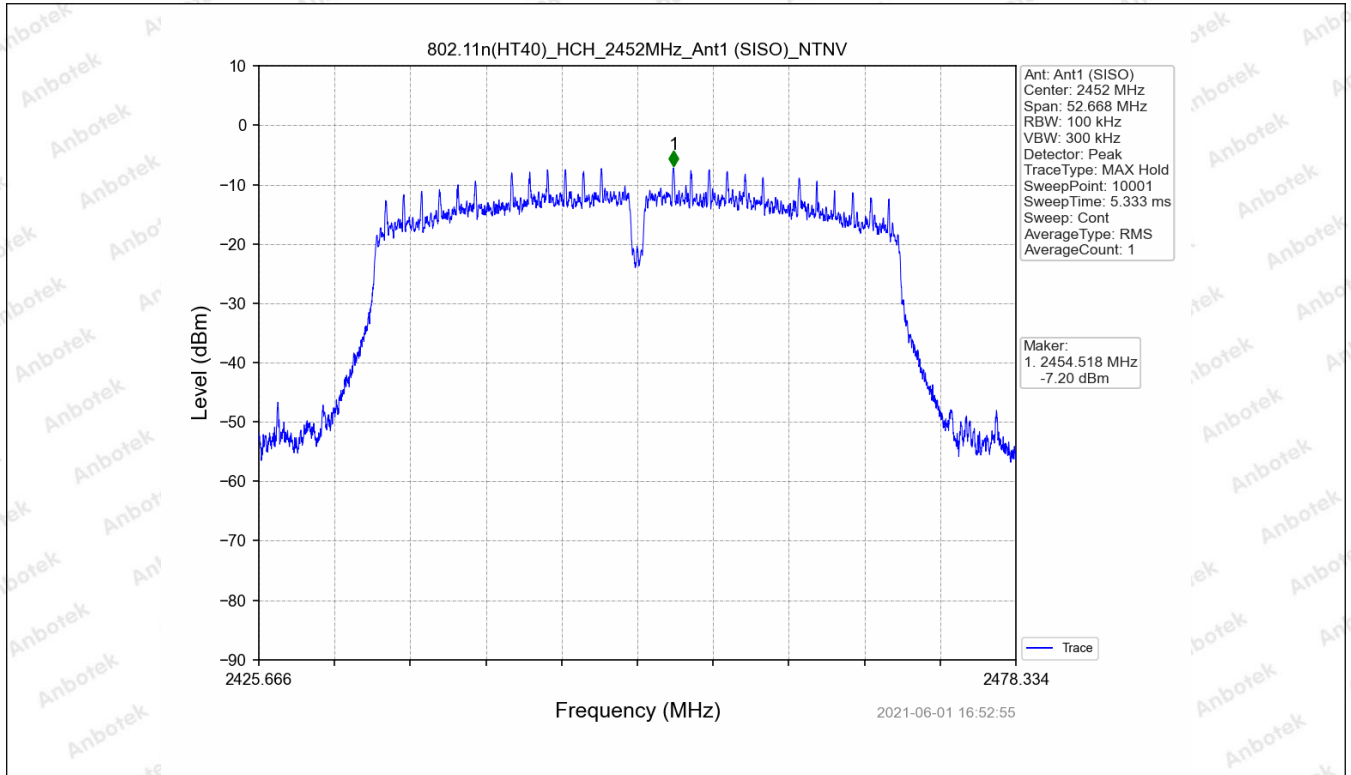
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

Hotline
400-003-0500
www.anbotek.com



Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

Hotline
400-003-0500
www.anbotek.com

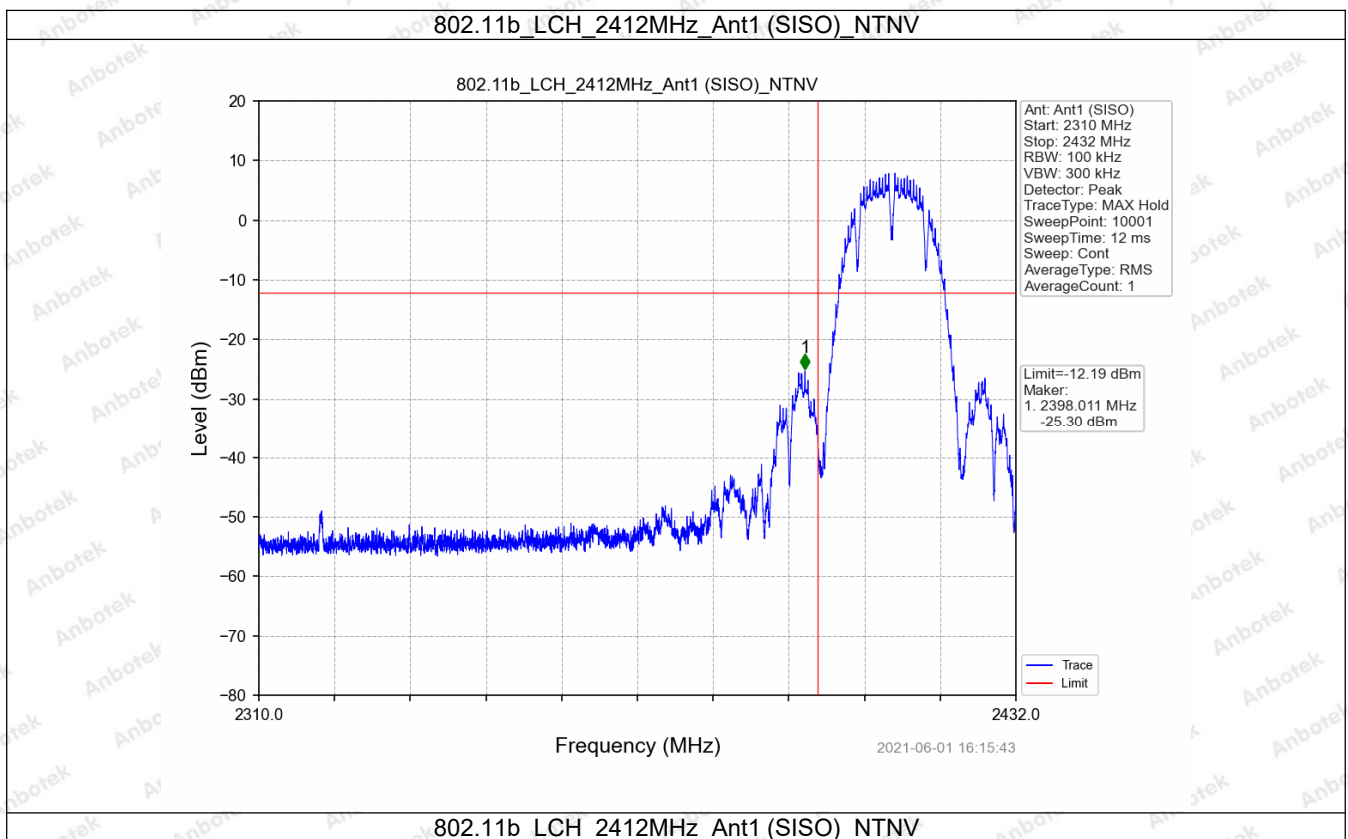
5.2 CSE

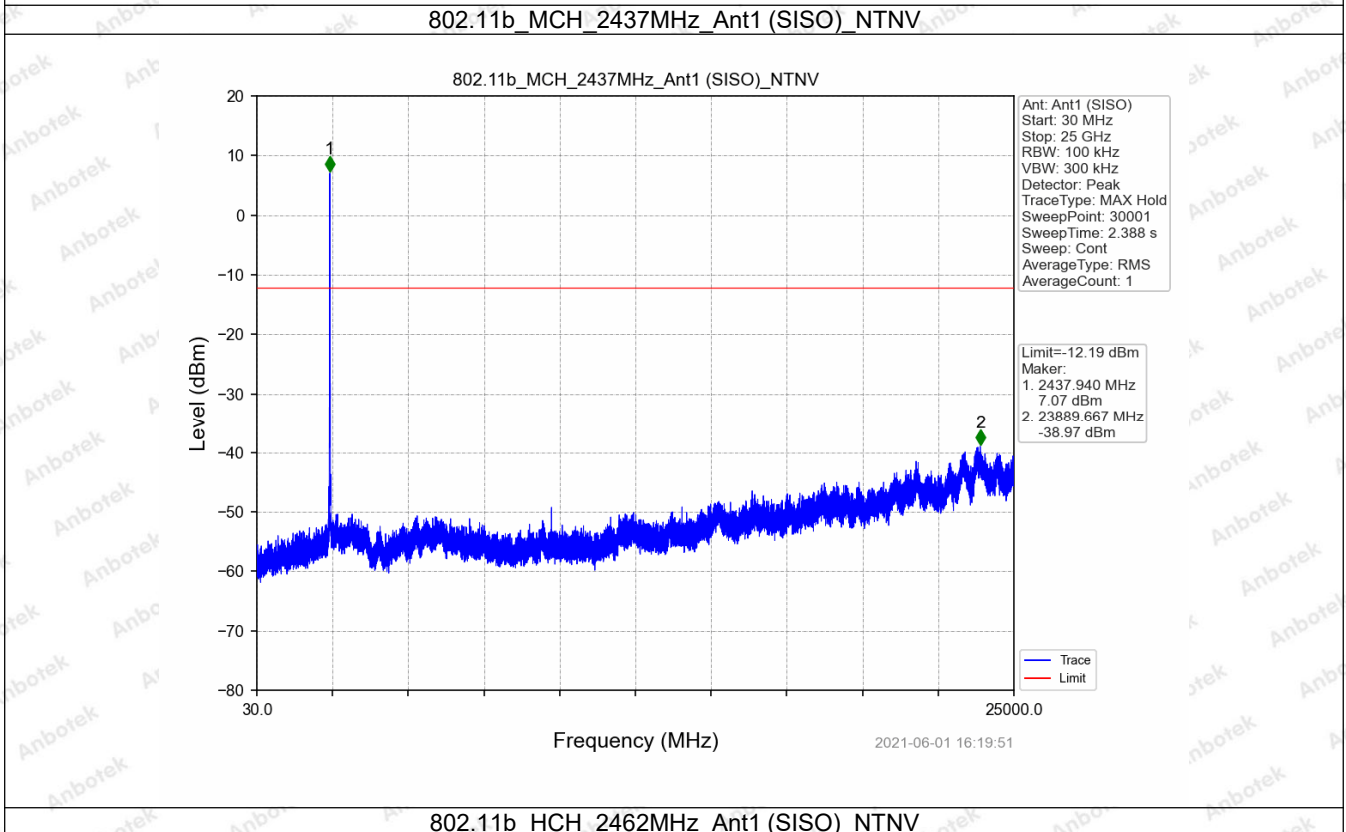
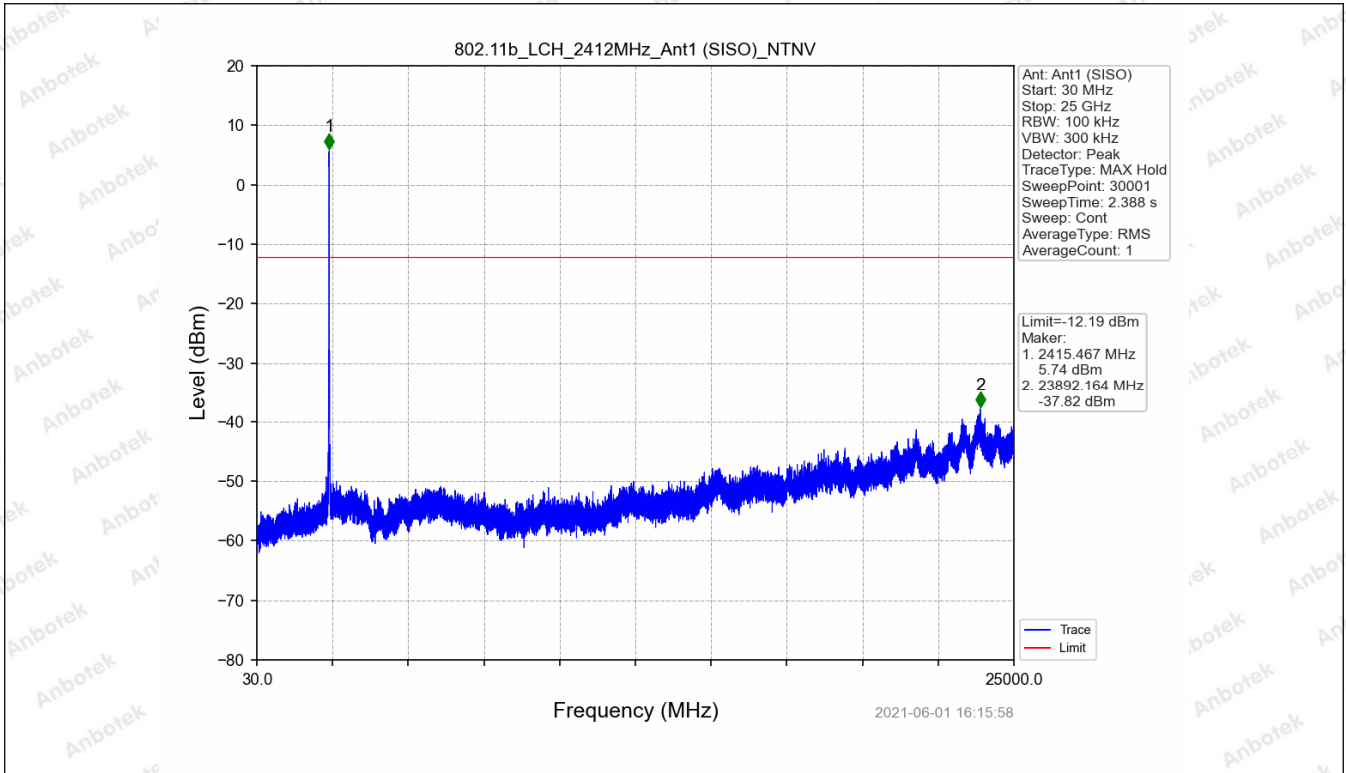
5.2.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	/	/	1	Refer To Test Graph	<=-12.19	Pass
		2437	/	/	1	Refer To Test Graph	<=-12.19	Pass
		2462	/	/	1	Refer To Test Graph	<=-12.19	Pass
802.11g	SISO	2412	/	/	1	Refer To Test Graph	<=-22.43	Pass
		2437	/	/	1	Refer To Test Graph	<=-22.43	Pass
		2462	/	/	1	Refer To Test Graph	<=-22.43	Pass
802.11n (HT20)	SISO	2412	/	/	1	Refer To Test Graph	<=-19.17	Pass
		2437	/	/	1	Refer To Test Graph	<=-19.17	Pass
		2462	/	/	1	Refer To Test Graph	<=-19.17	Pass
802.11n (HT40)	SISO	2422	/	/	1	Refer To Test Graph	<=-19.17	Pass
		2437	/	/	1	Refer To Test Graph	<=-19.17	Pass
		2452	/	/	1	Refer To Test Graph	<=-19.17	Pass

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.

5.2.2 Test Graph





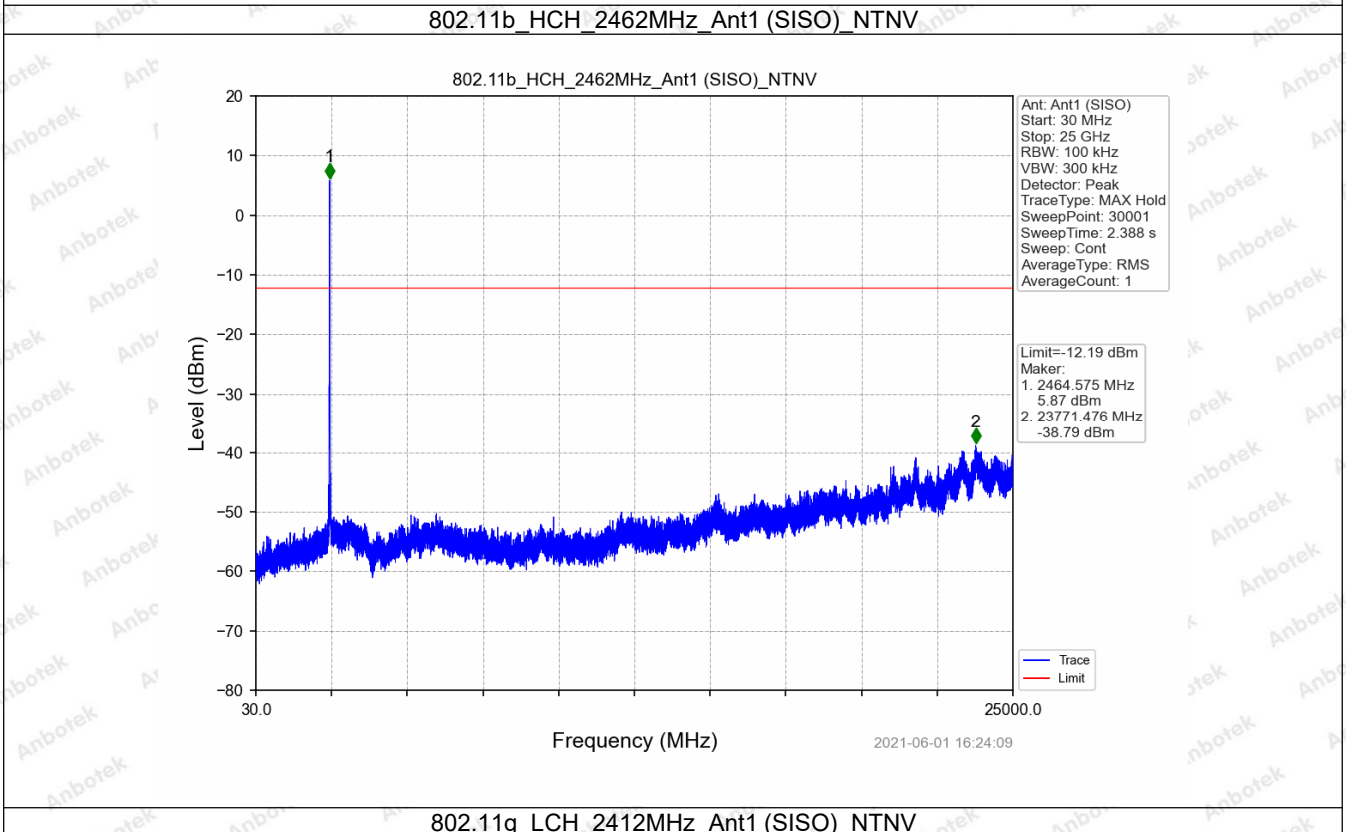
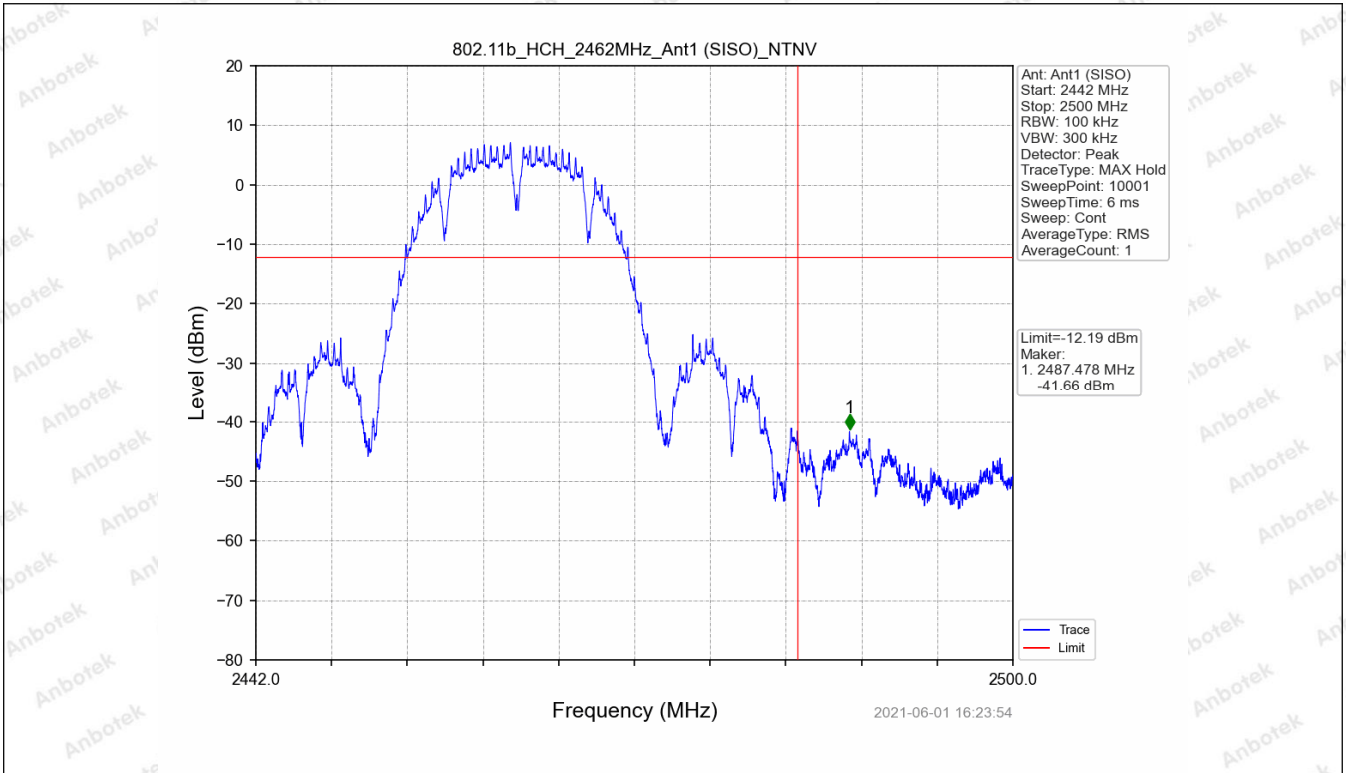
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

Hotline
400-003-0500
www.anbotek.com



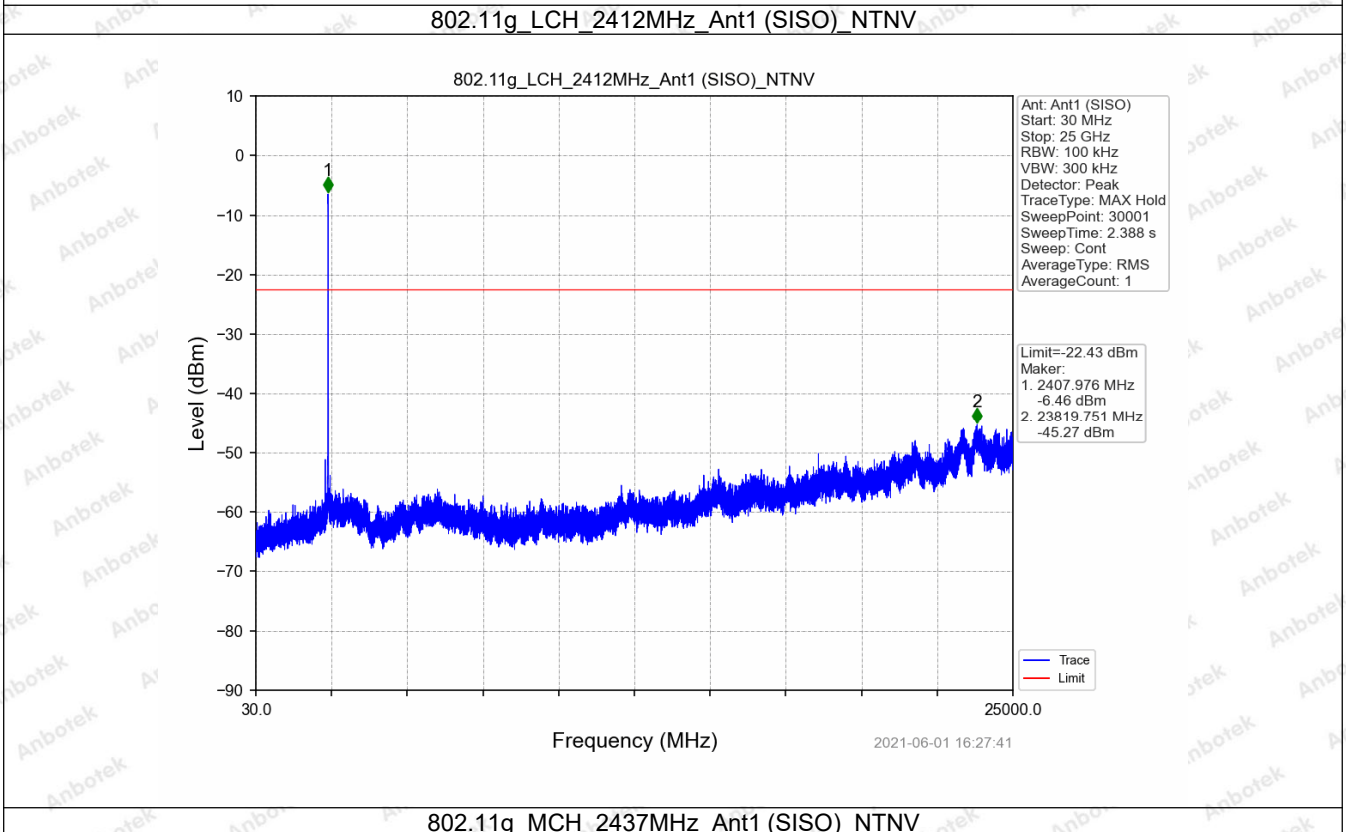
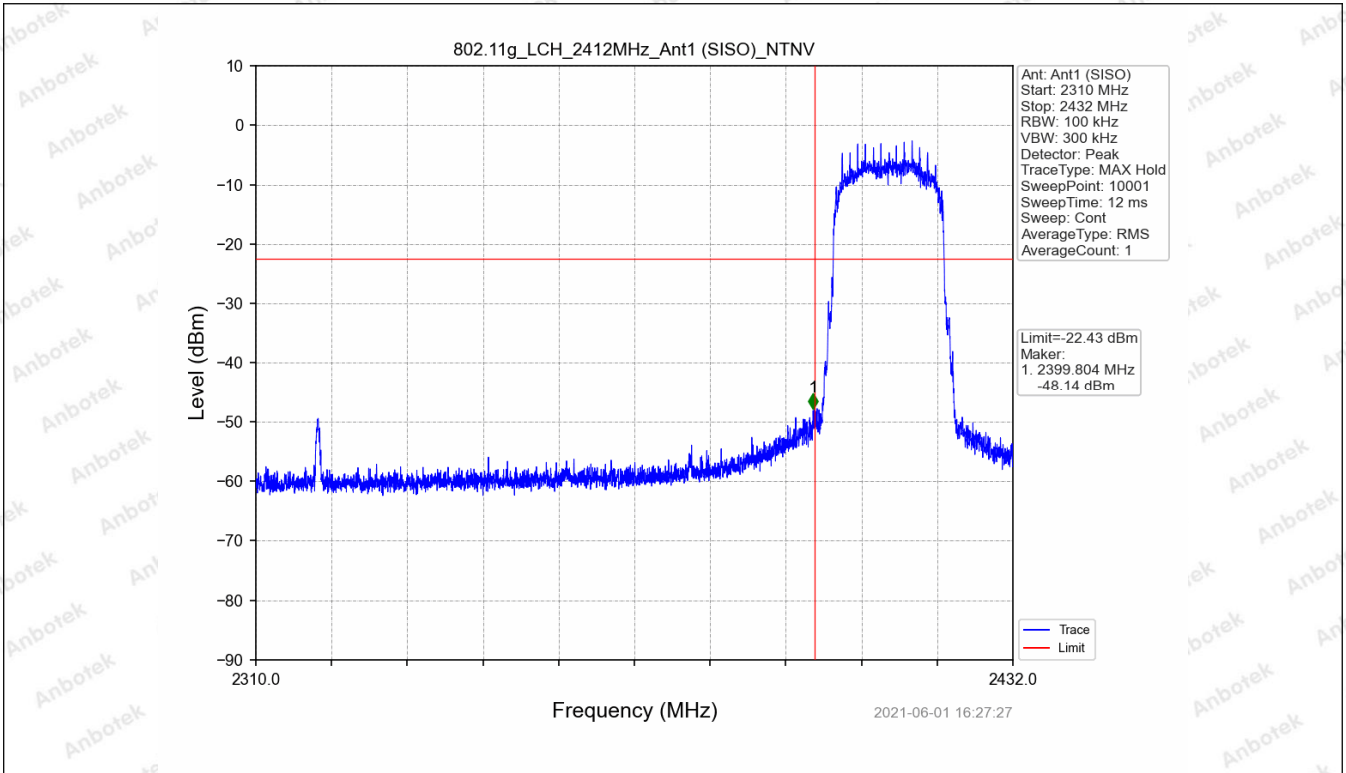
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

Hotline
400-003-0500
www.anbotek.com



802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

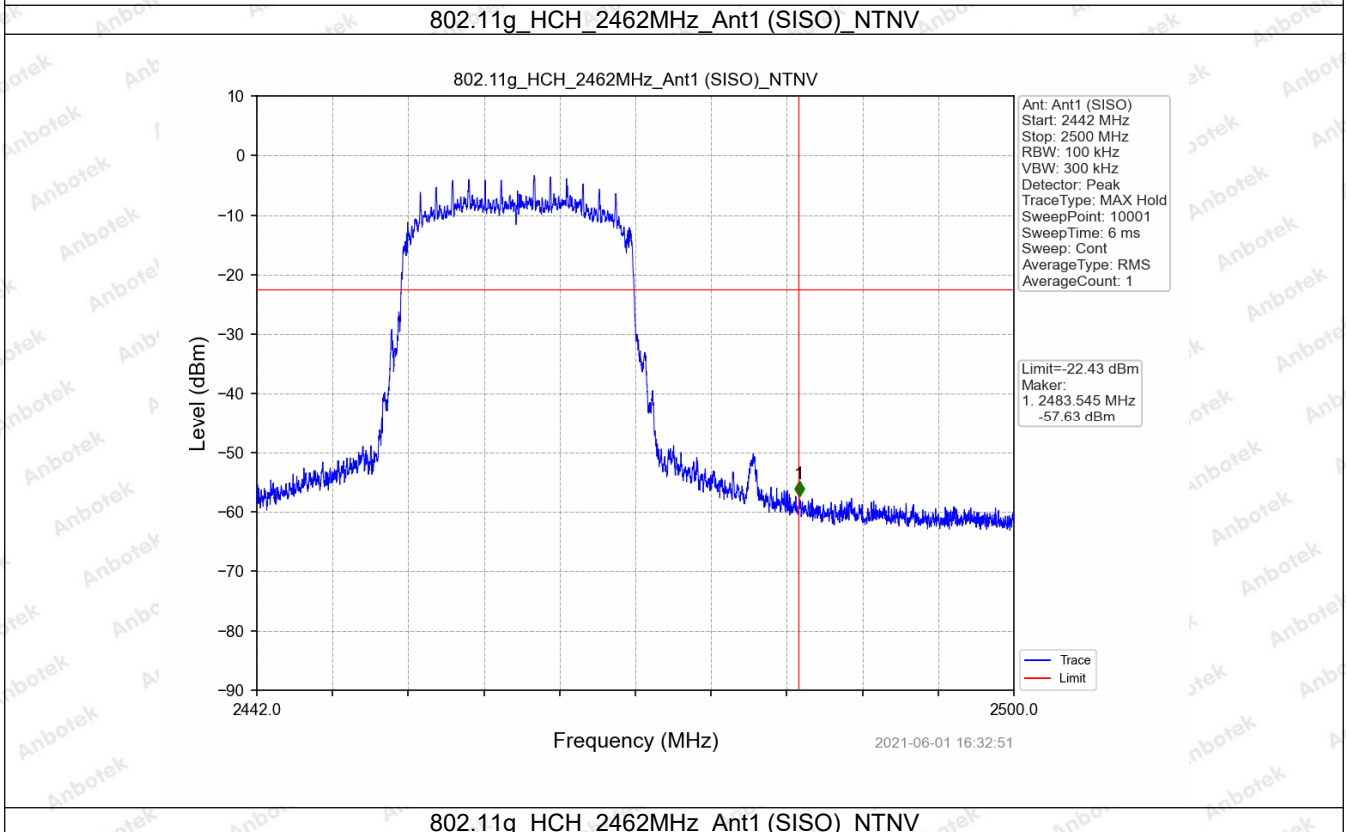
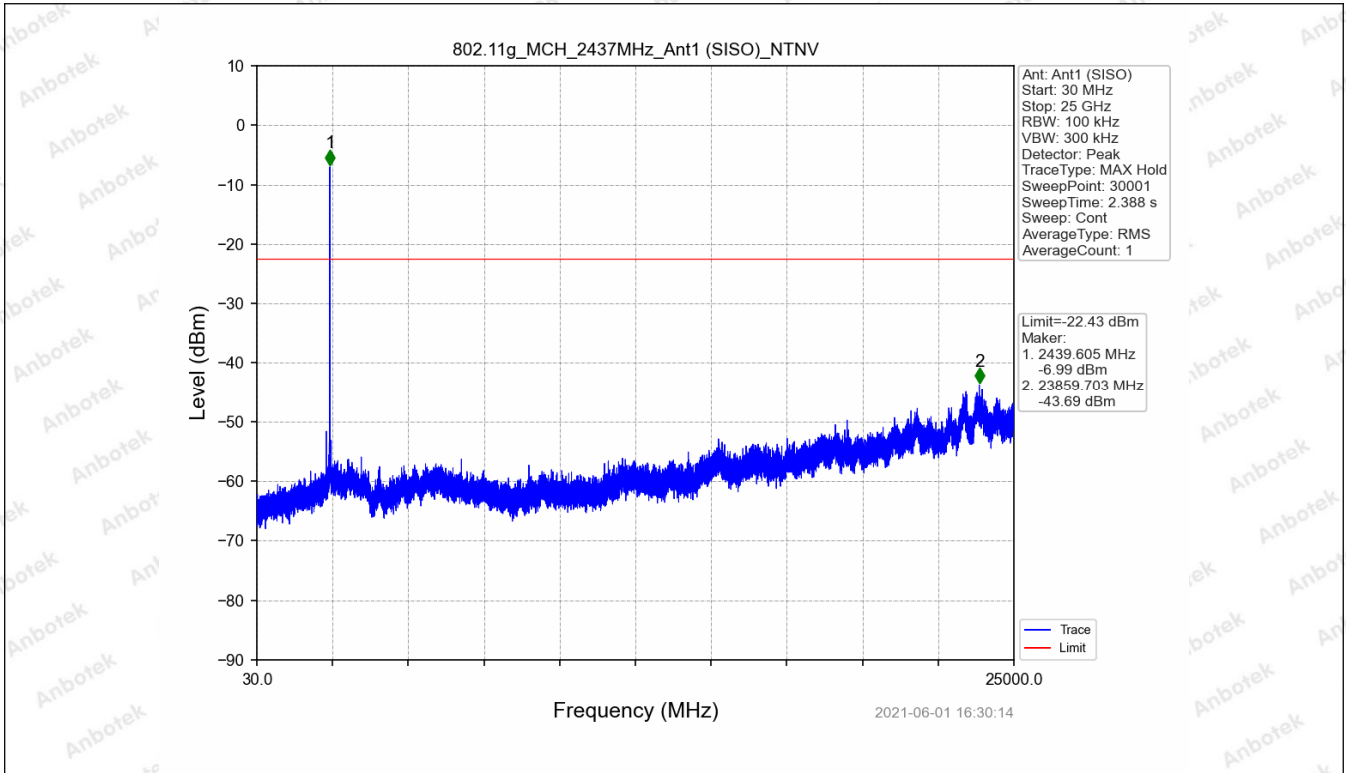
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com



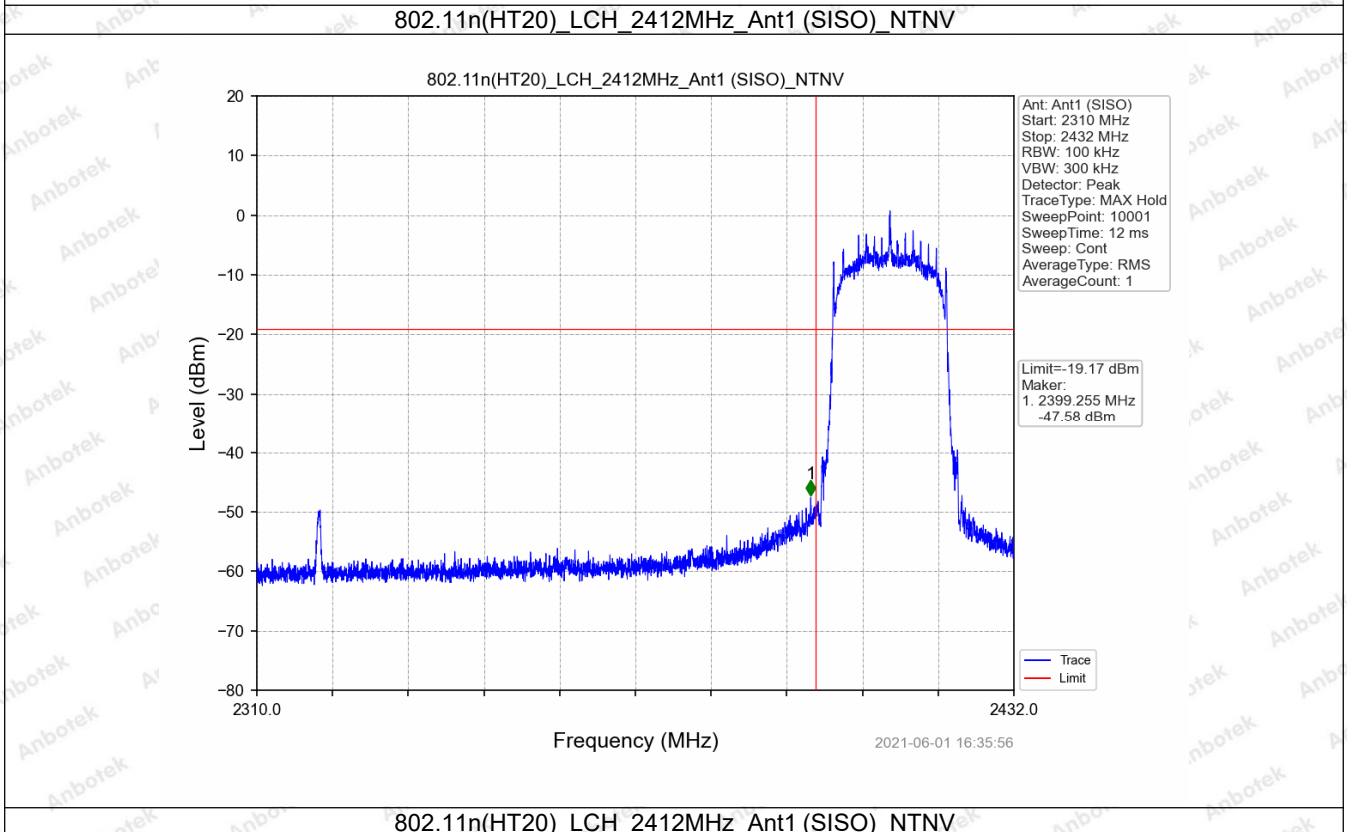
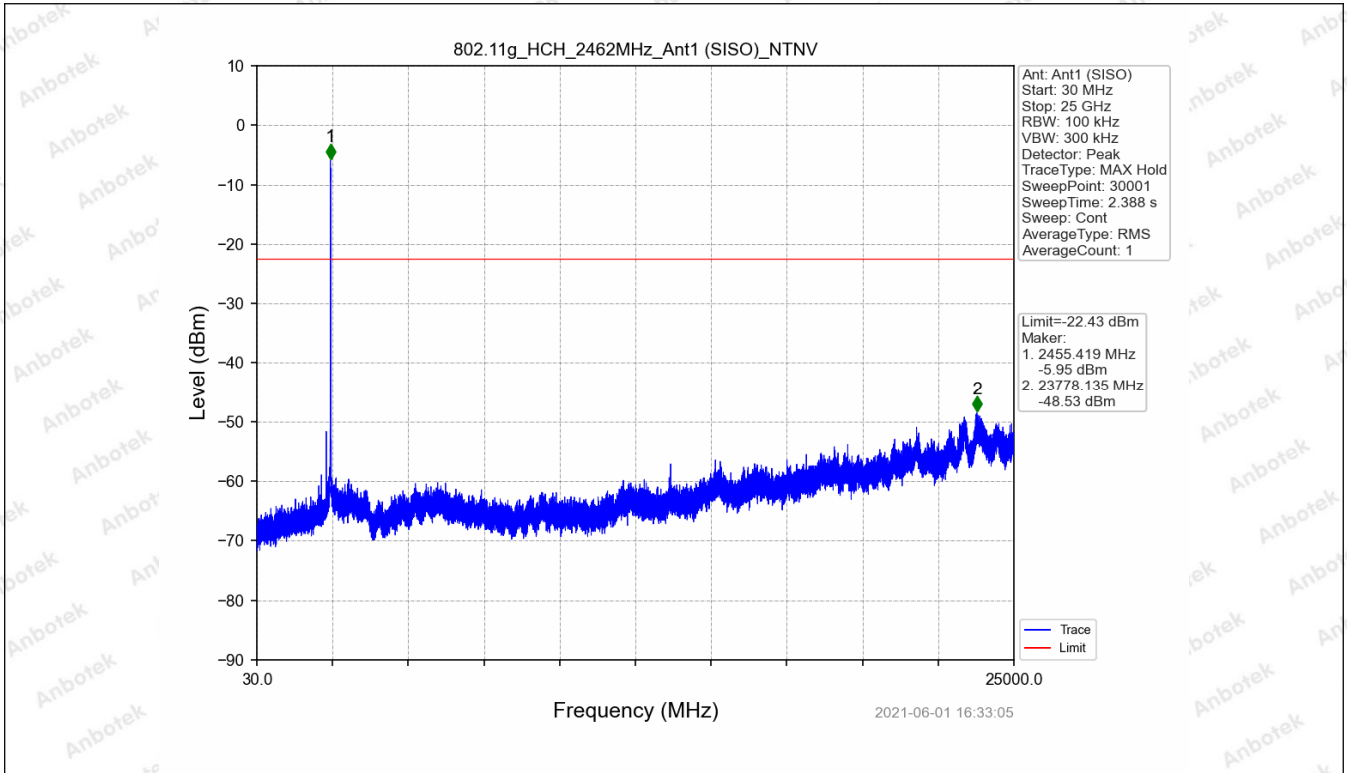
Hotline

400-003-0500

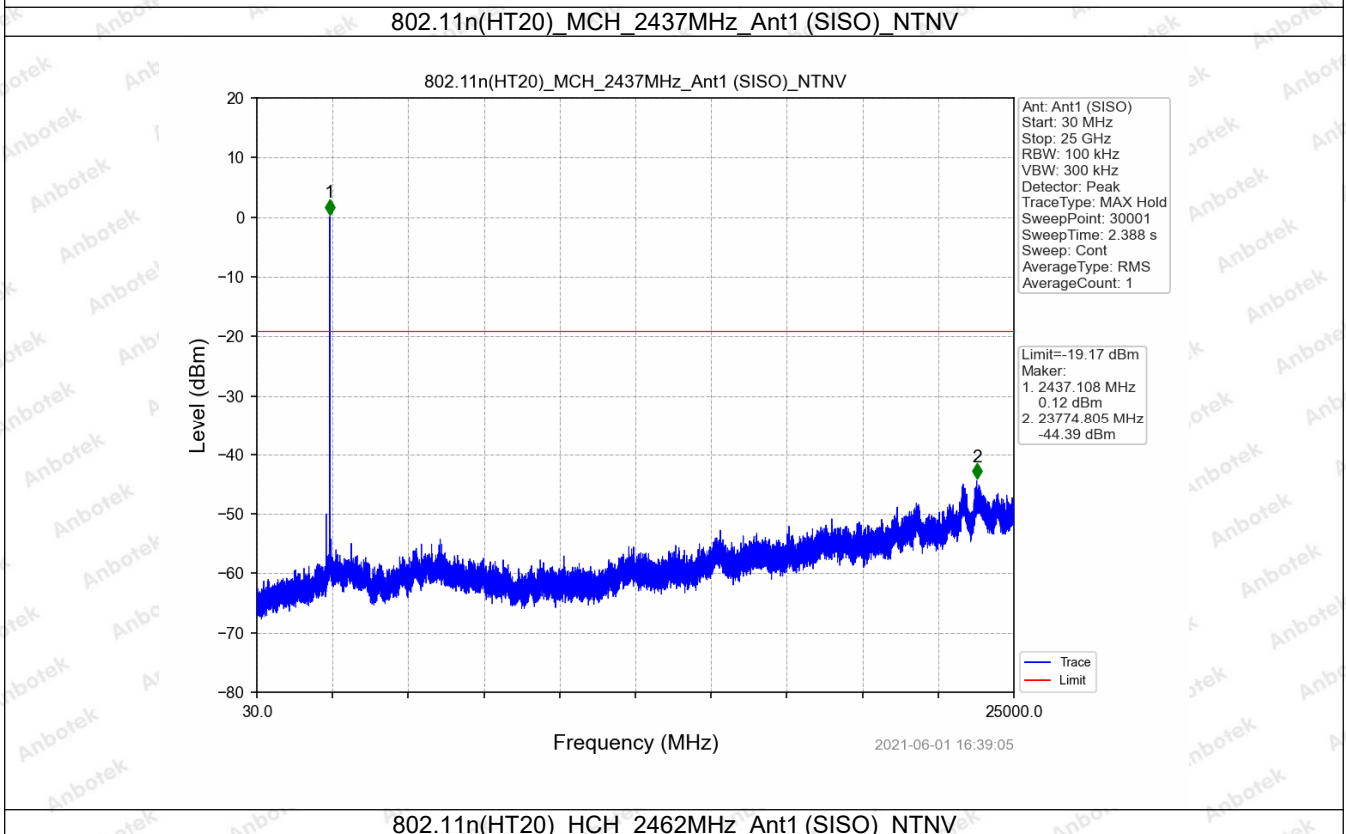
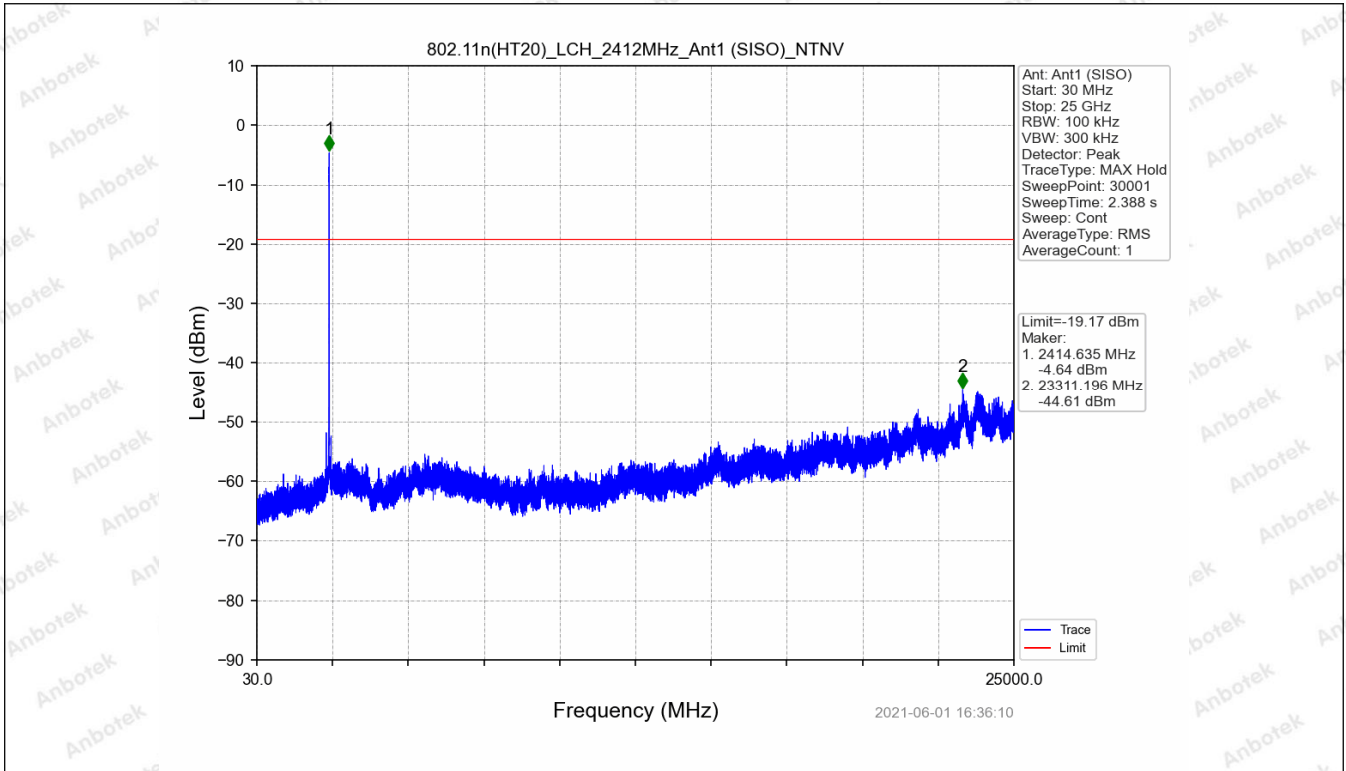
www.anbotek.com

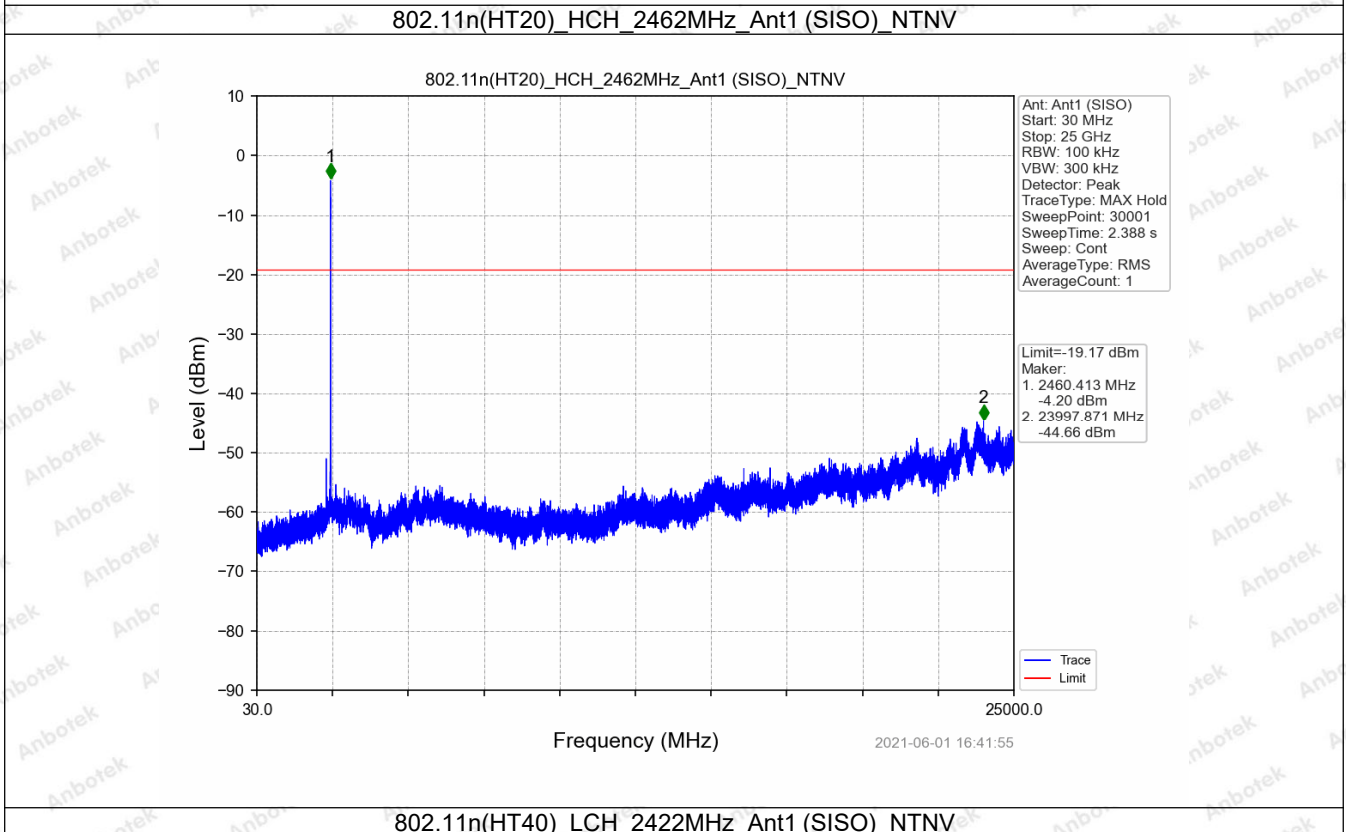
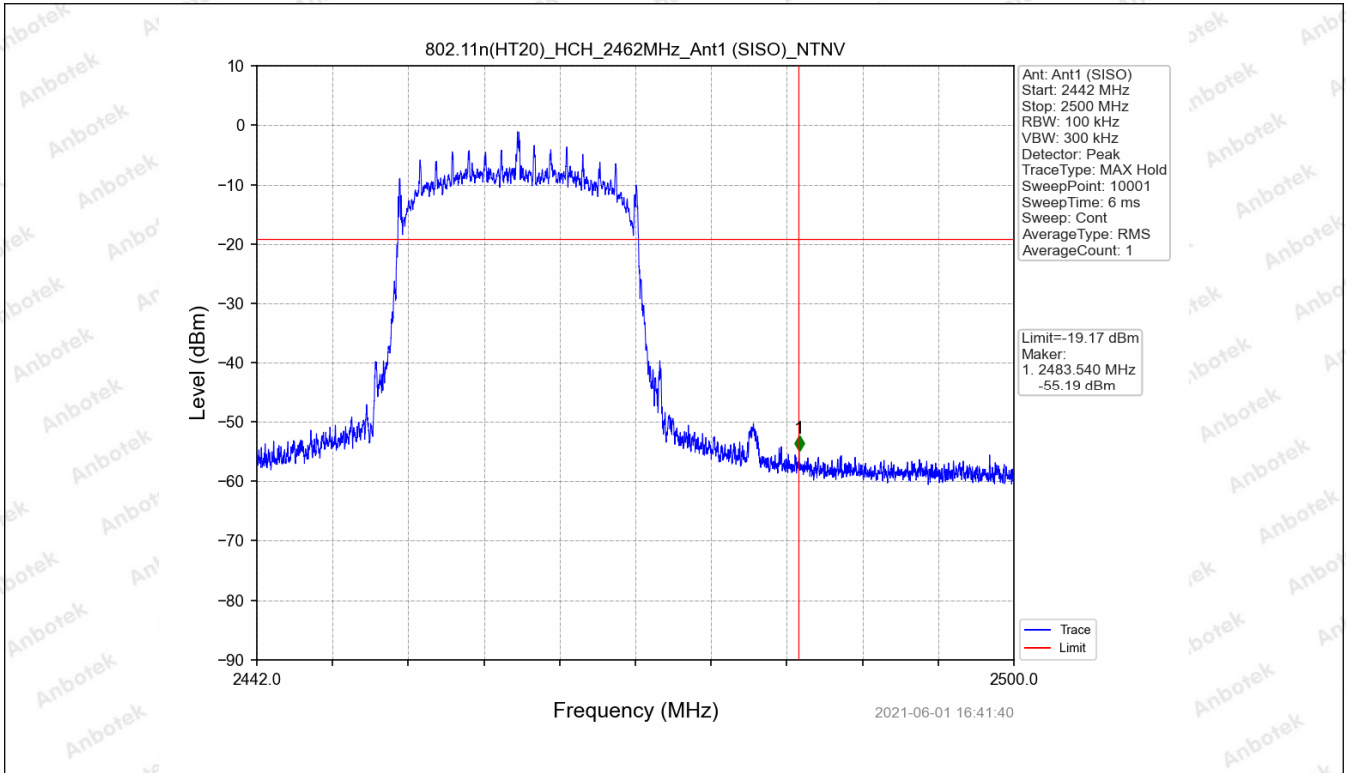


802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

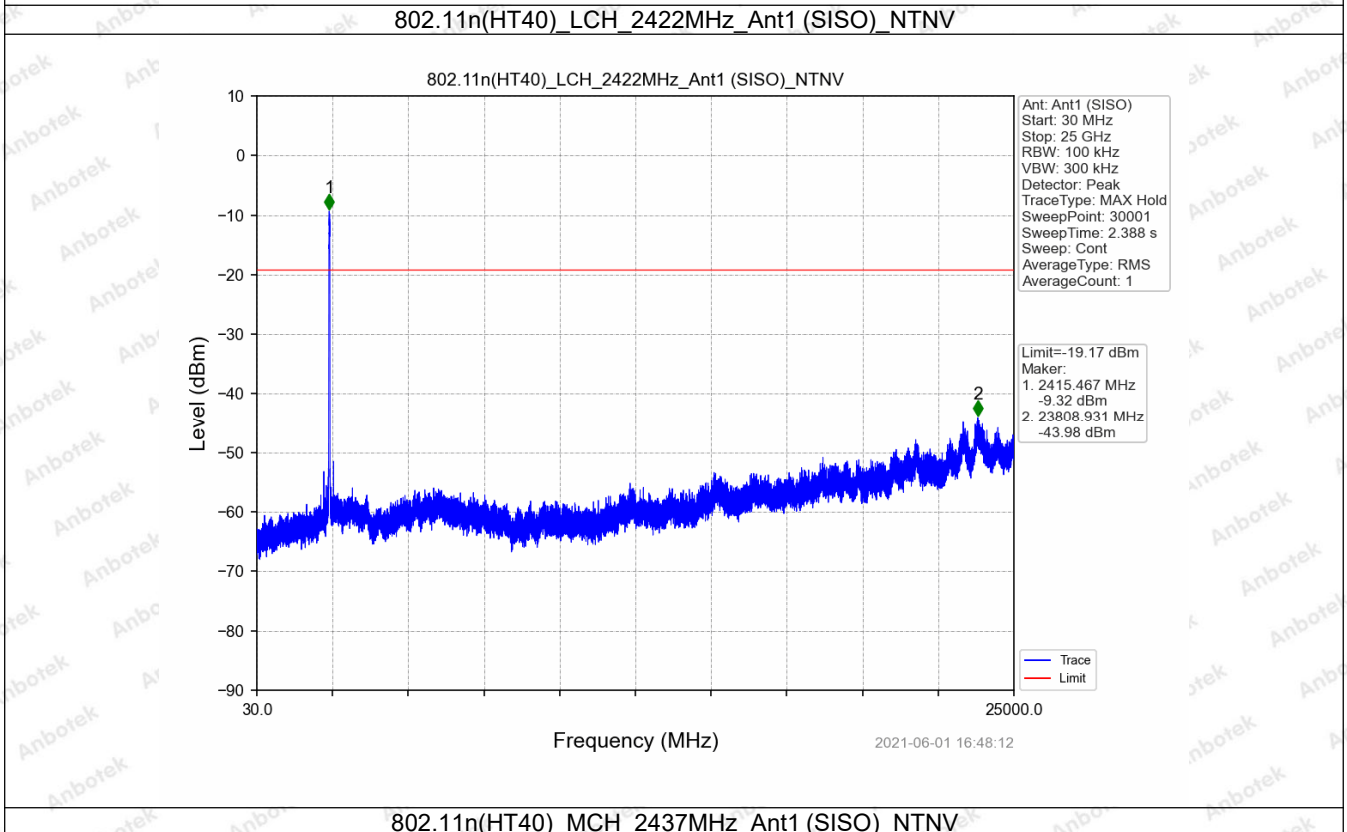
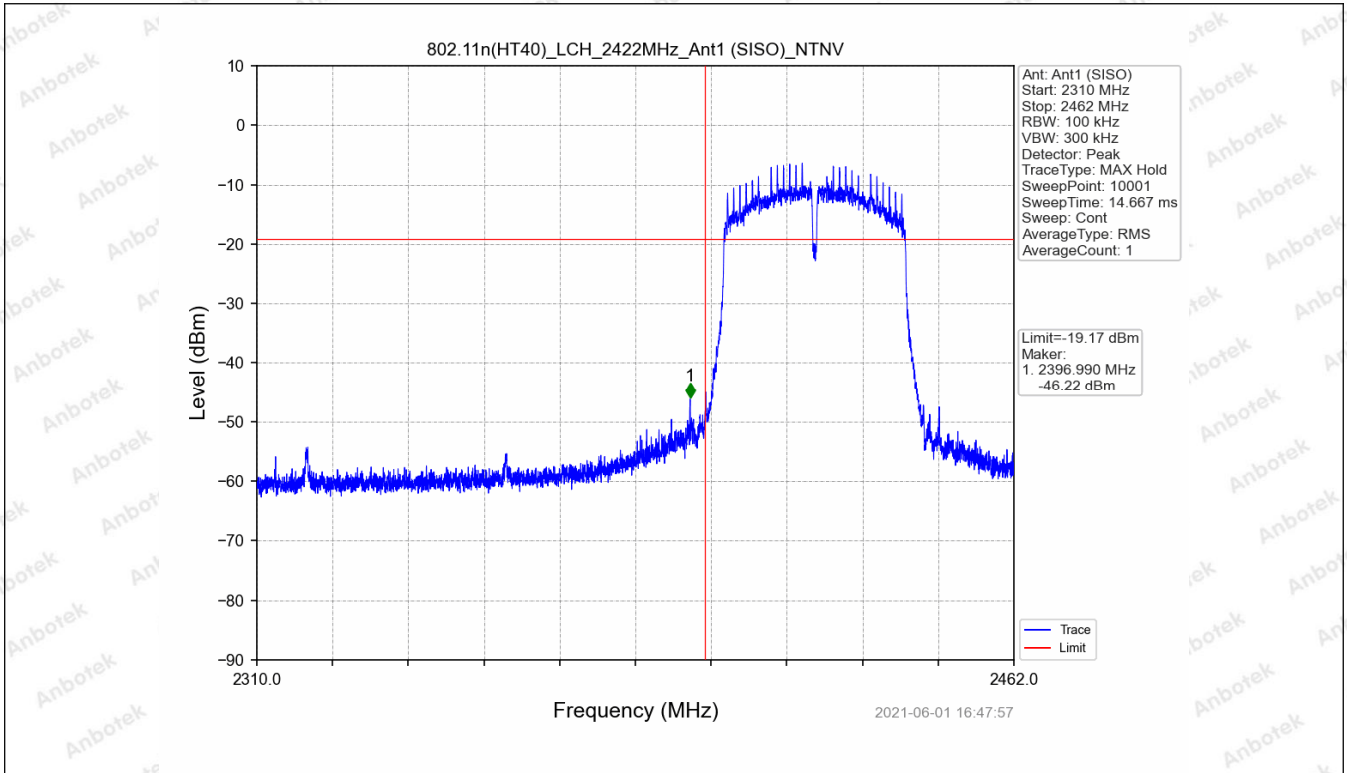


802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV





802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



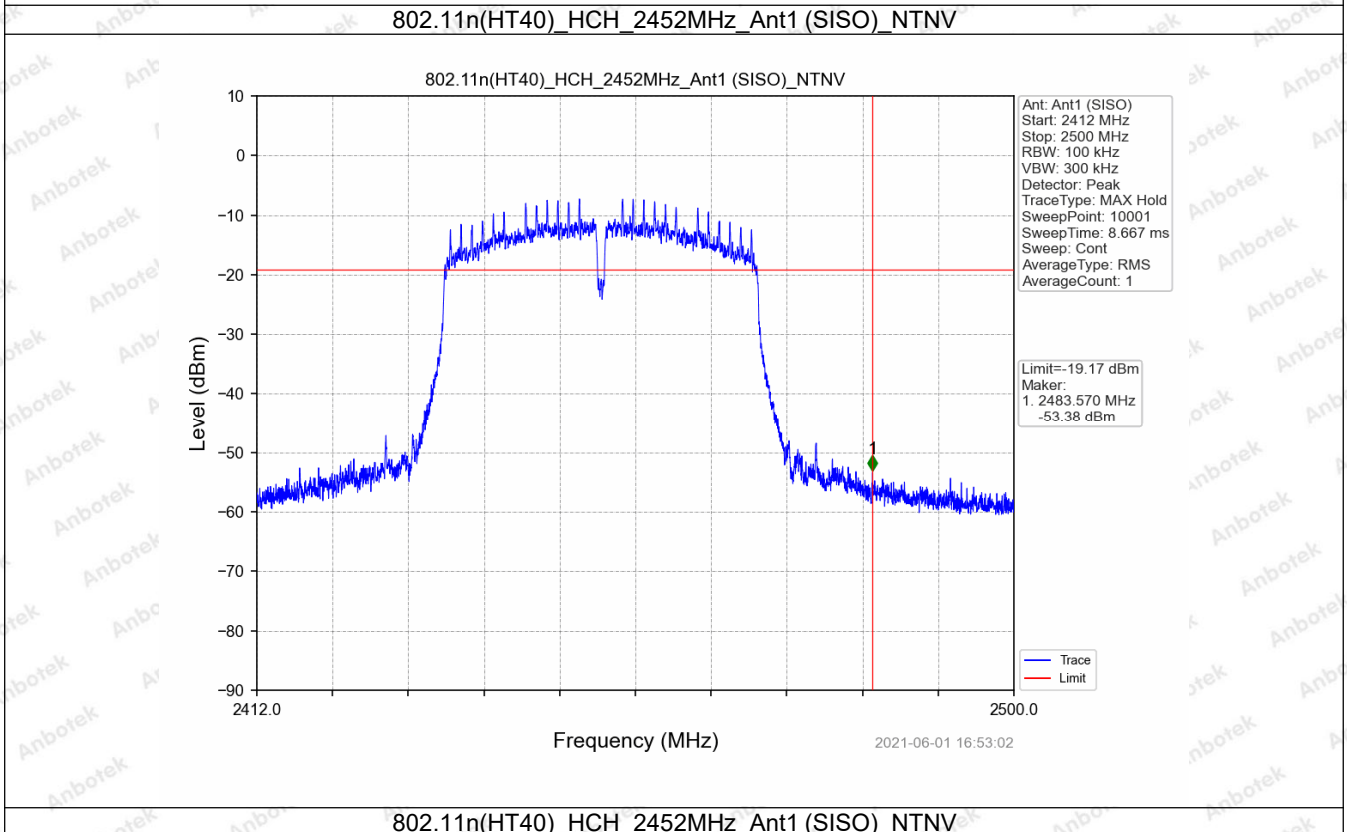
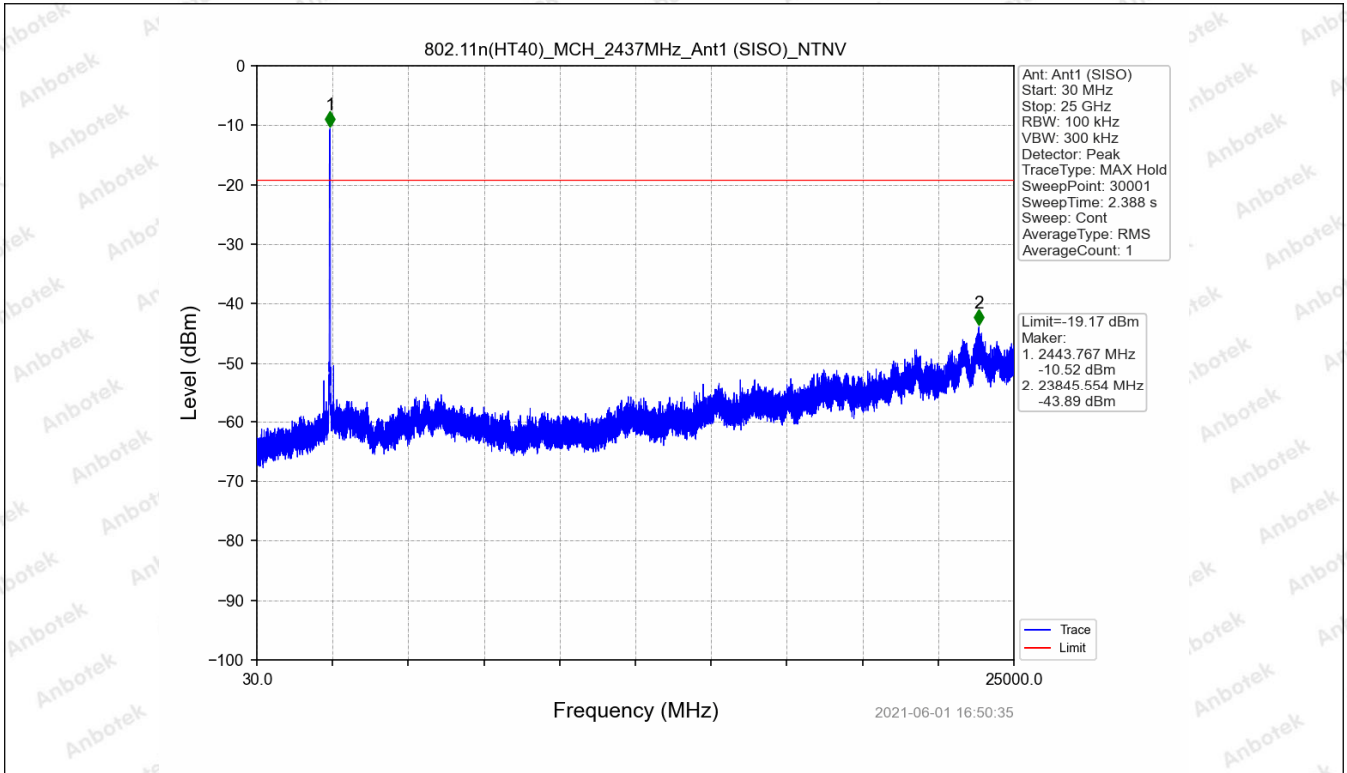
802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV

Shenzhen Anbotek Compliance Laboratory Limited

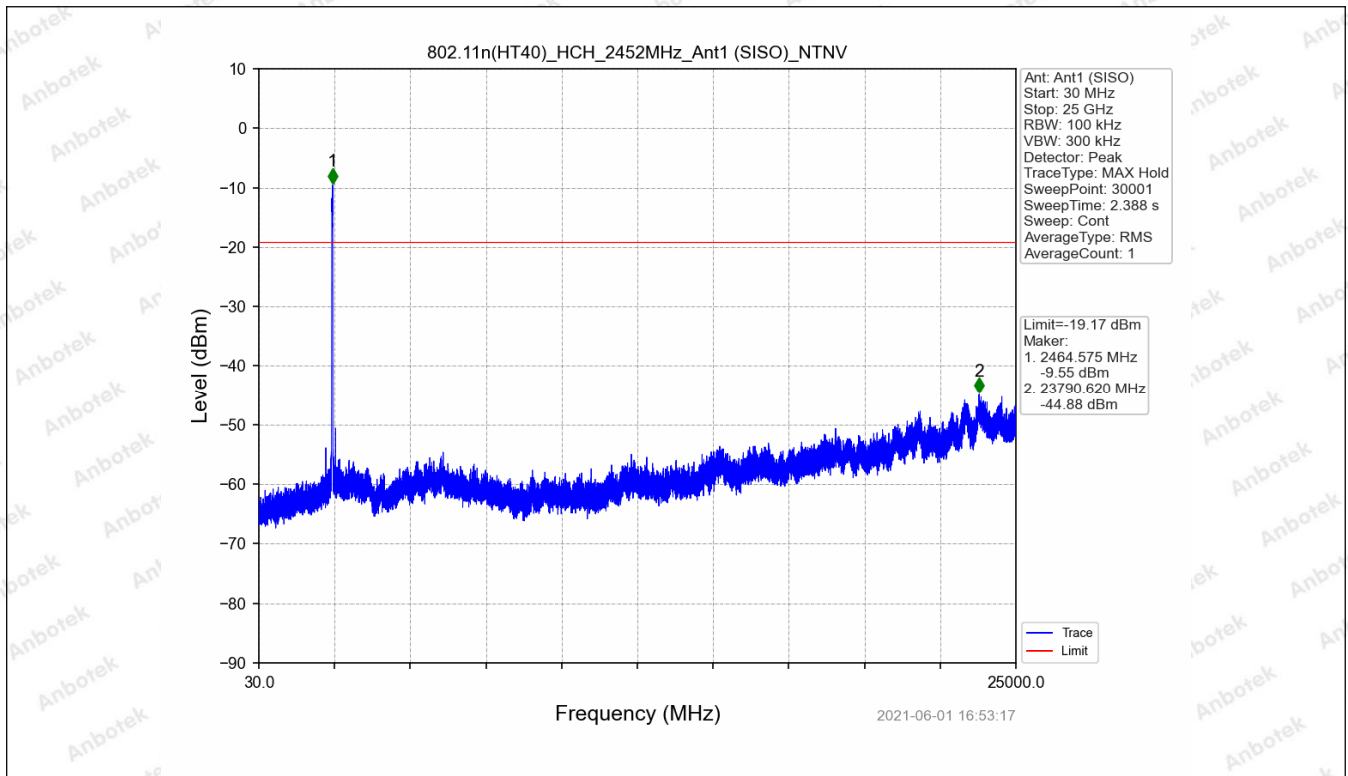
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

Hotline
400-003-0500
www.anbotek.com



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



---End---