

Appendix Test Data

Report No.:	18220WC10102102	Test Date:	2021.6.9~6.10
Test Engineer:	<i>Jonny He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	23.3℃	Relative Humidity:	56%
Pressure:	1012 hPa		

1. Duty Cycle

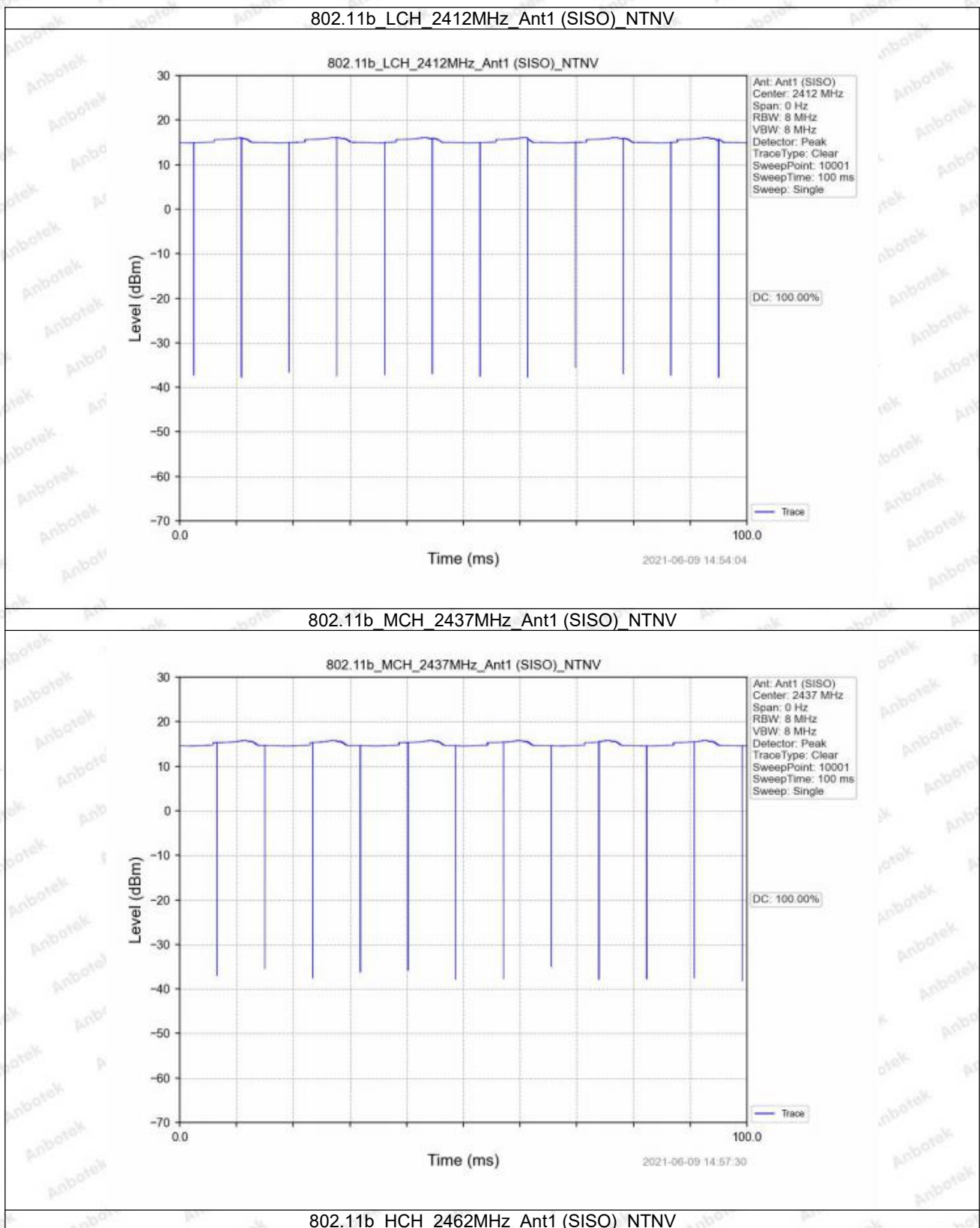
1.1 Ant1

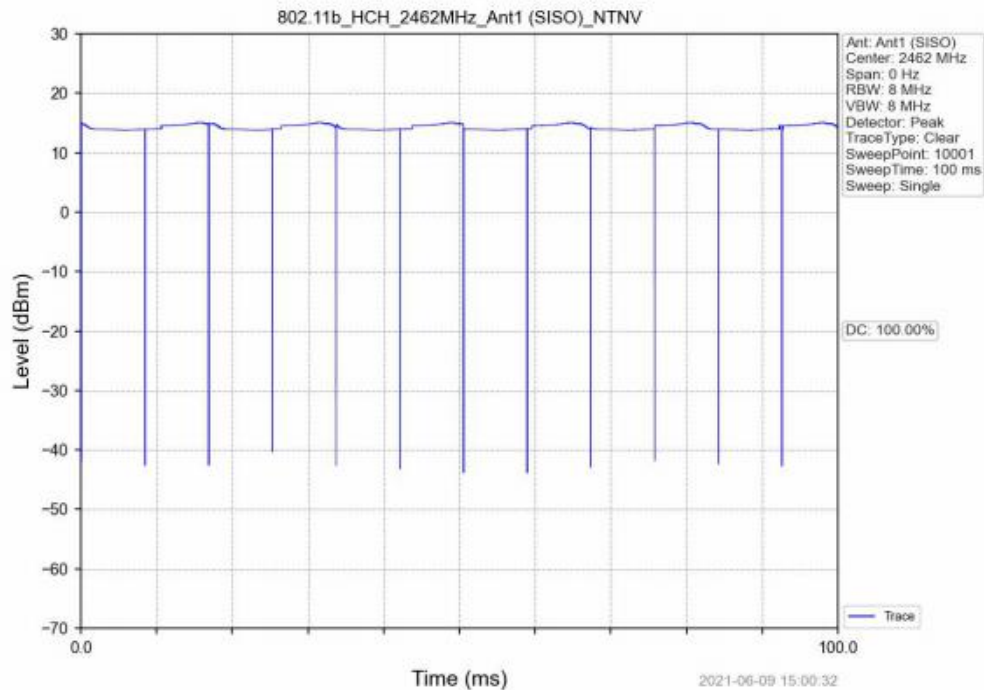
1.1.1 Test Result

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	/	/	100.00	100.00	100.00	0.00	0.00
		2437	/	/	100.00	100.00	100.00	0.00	0.00
		2462	/	/	100.00	100.00	100.00	0.00	0.00
802.11g	SISO	2412	/	/	1.39	1.43	97.48	0.11	0.10
		2437	/	/	1.39	1.43	97.41	0.11	0.10
		2462	/	/	1.39	1.43	97.48	0.11	0.10
802.11n (HT20)	SISO	2412	/	/	1.30	1.34	97.31	0.12	0.10
		2437	/	/	1.30	1.33	97.30	0.12	0.10
		2462	/	/	1.30	1.33	97.30	0.12	0.10

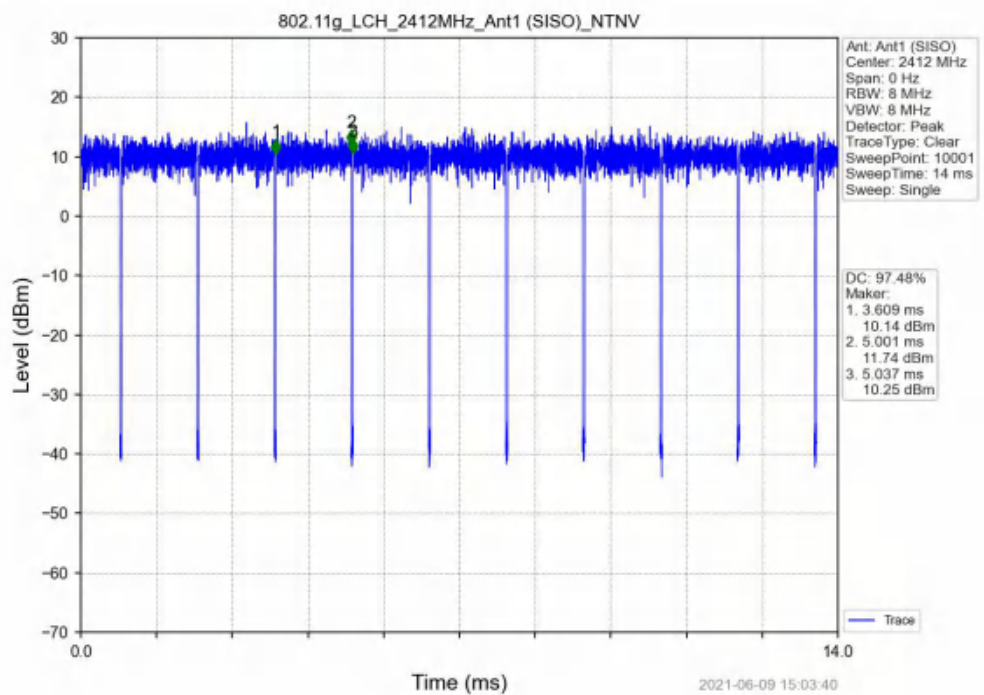
Note1: Only for Report Use

1.1.2 Test Graph

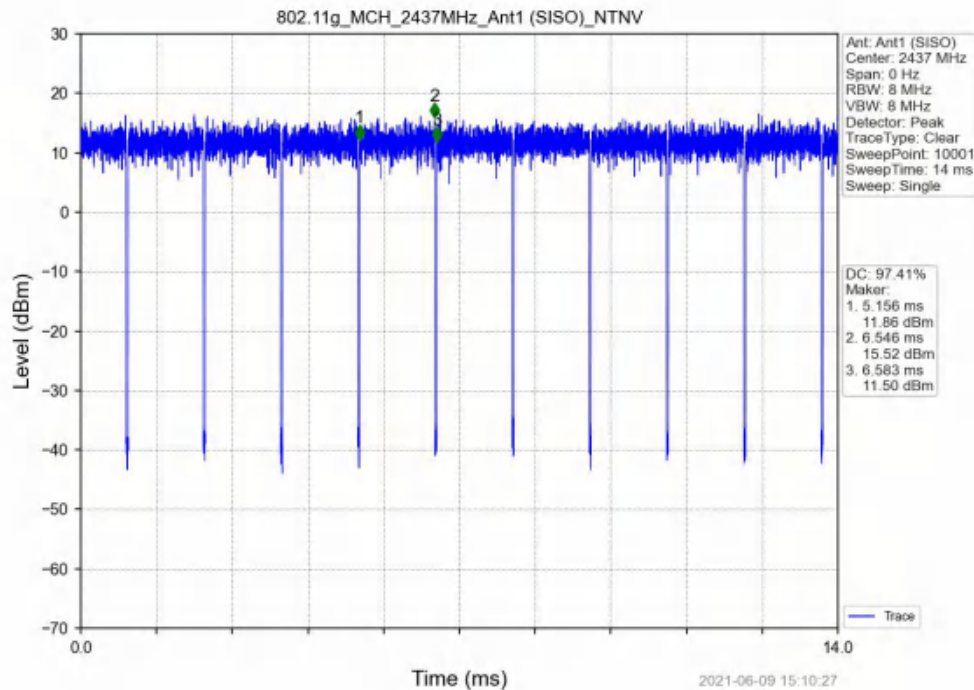




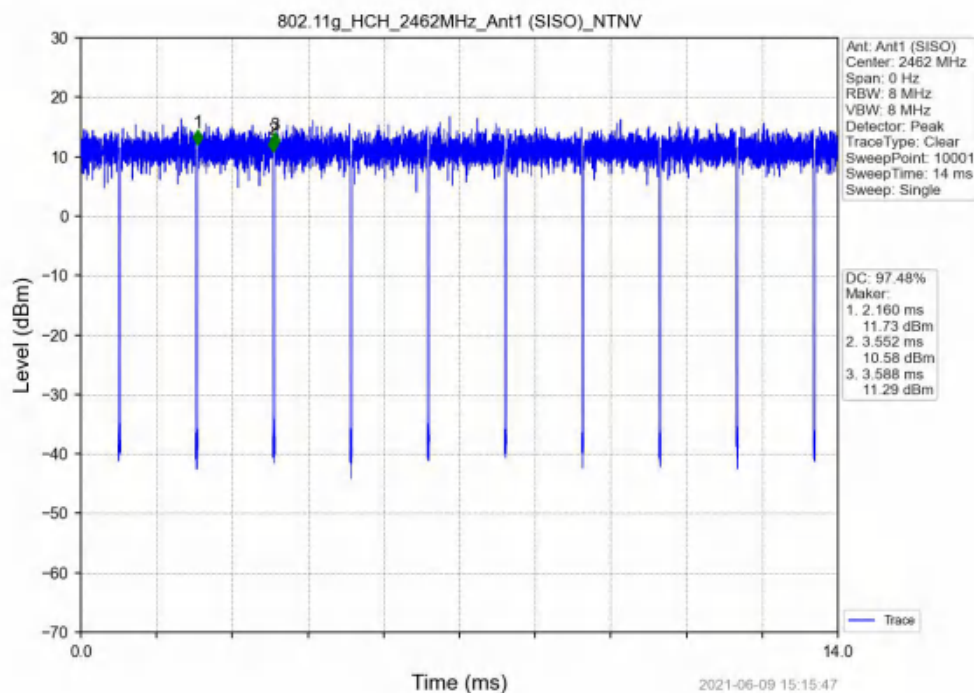
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



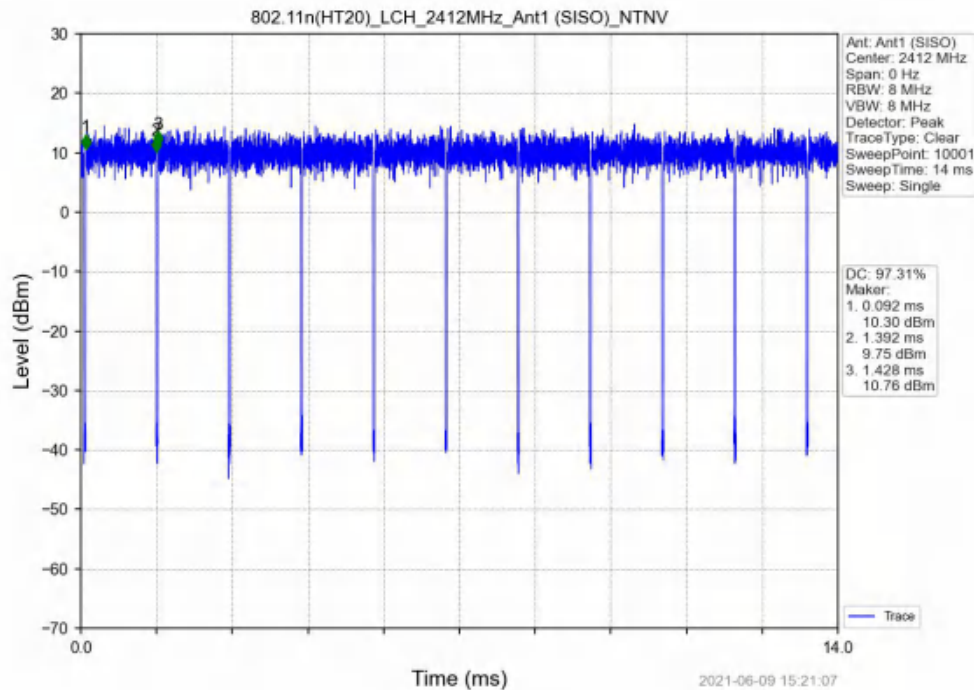
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV

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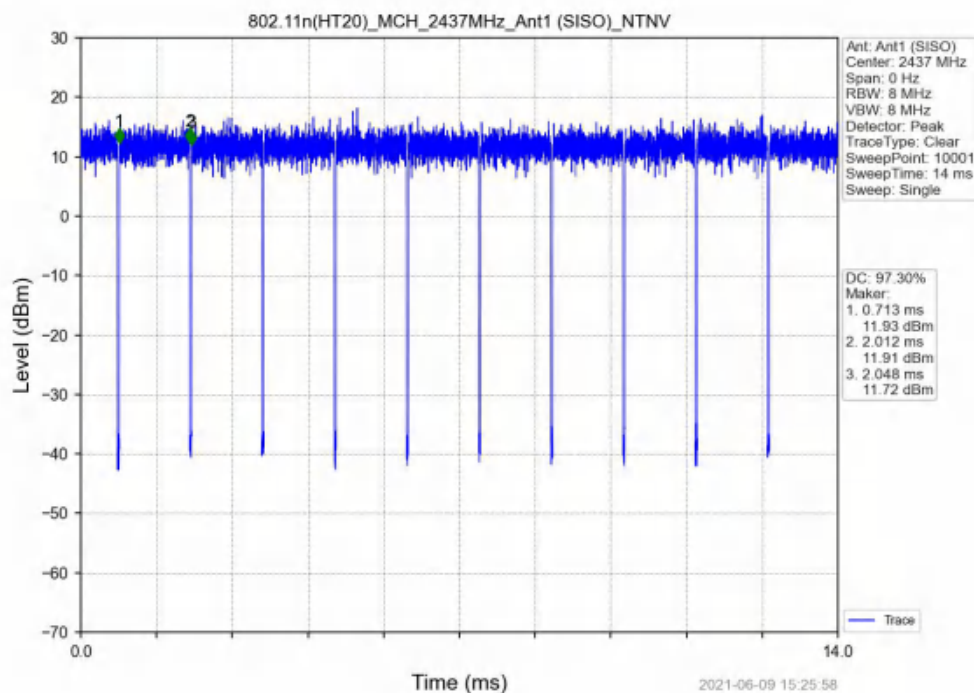
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

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

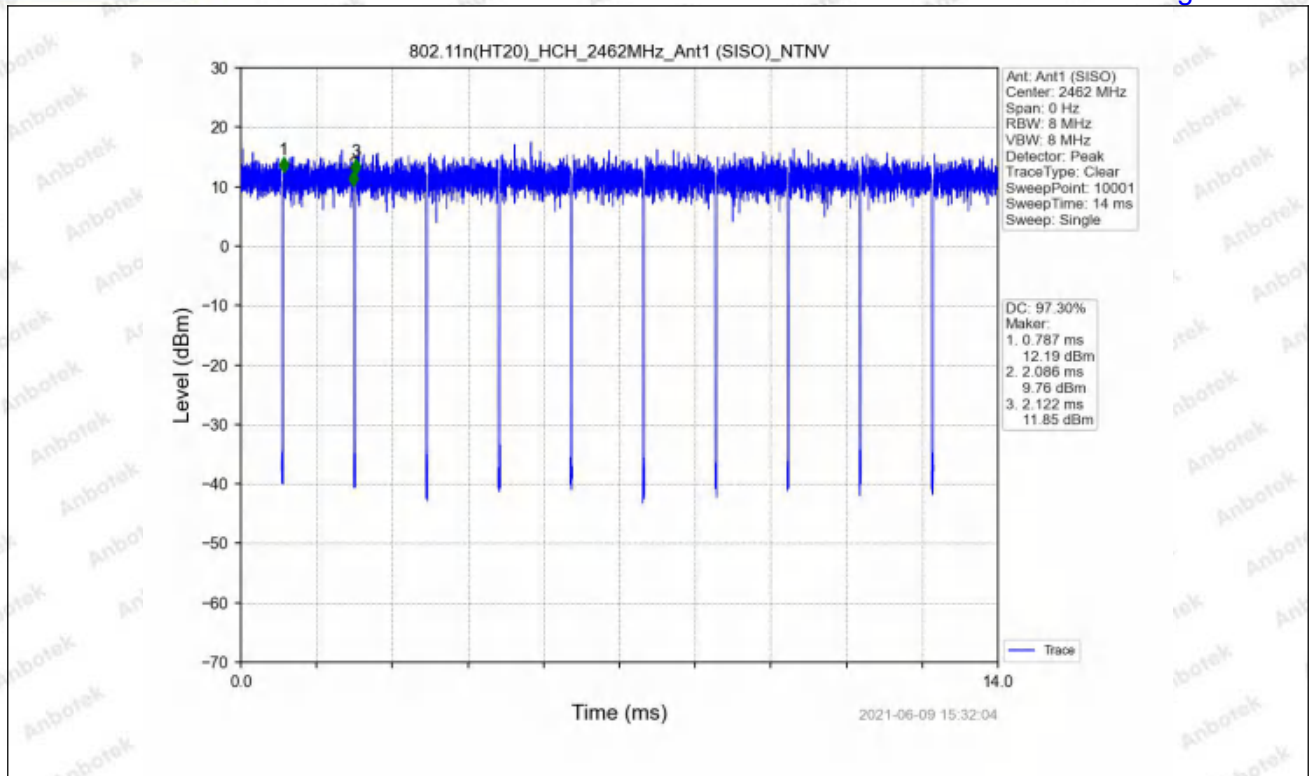
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802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



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2. Bandwidth

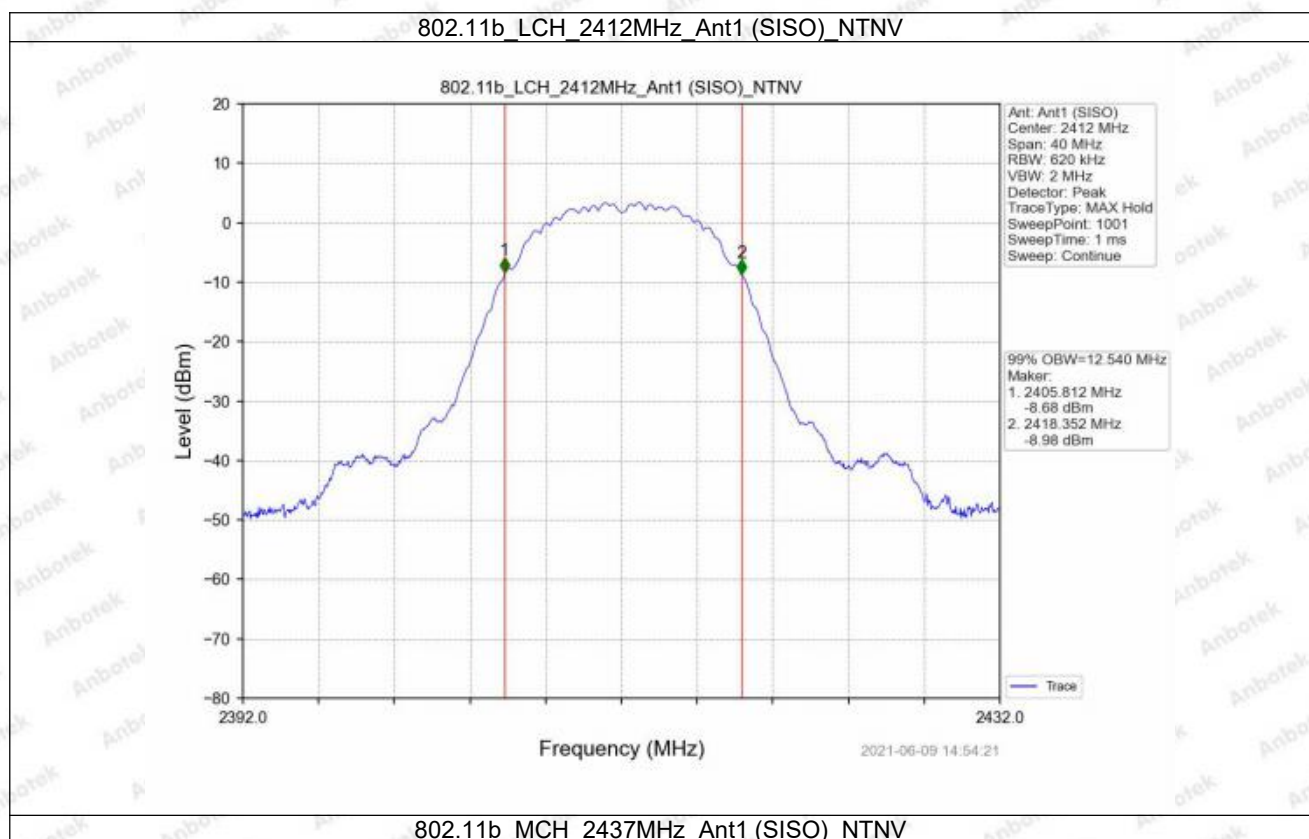
2.1 OBW

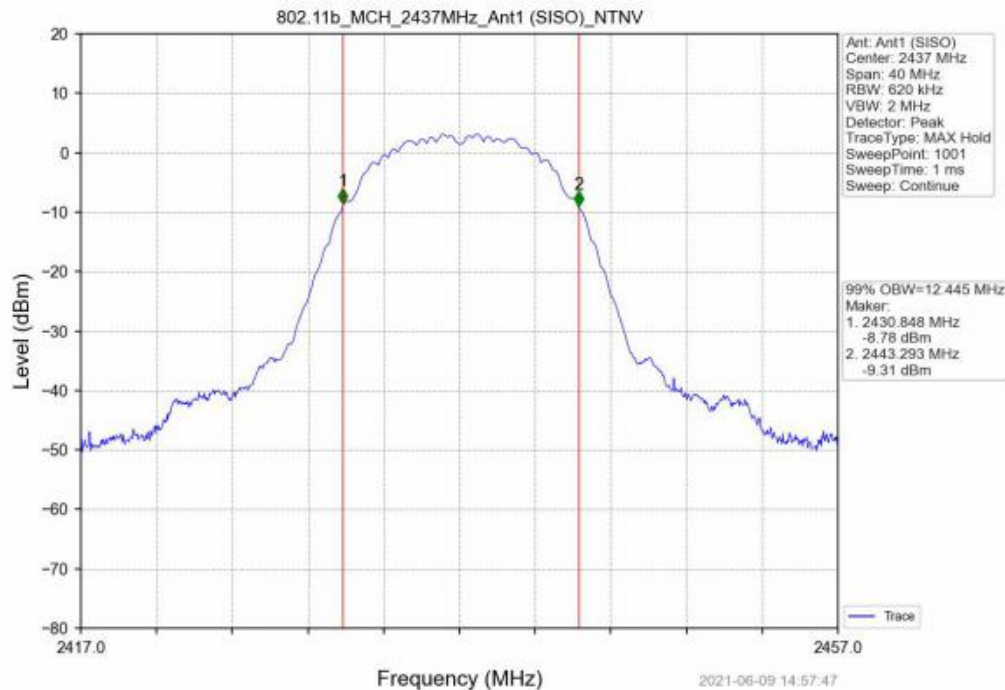
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	99% Occupied Bandwidth (MHz)	Limit (MHz)	Verdict
					Ant1		
802.11b	SISO	2412	/	/	12.540	/	Note1
		2437	/	/	12.445	/	Note1
		2462	/	/	12.443	/	Note1
802.11g	SISO	2412	/	/	17.500	/	Note1
		2437	/	/	17.747	/	Note1
		2462	/	/	18.171	/	Note1
802.11n (HT20)	SISO	2412	/	/	18.135	/	Note1
		2437	/	/	18.472	/	Note1
		2462	/	/	19.063	/	Note1

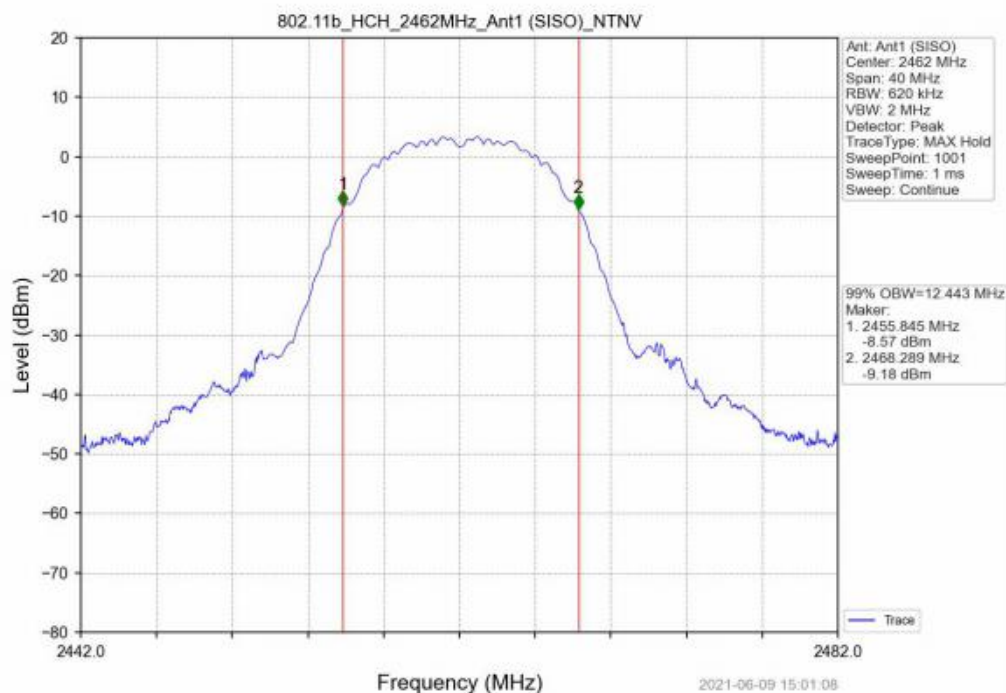
Note1: Only for Report Use

2.1.2 Test Graph





802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



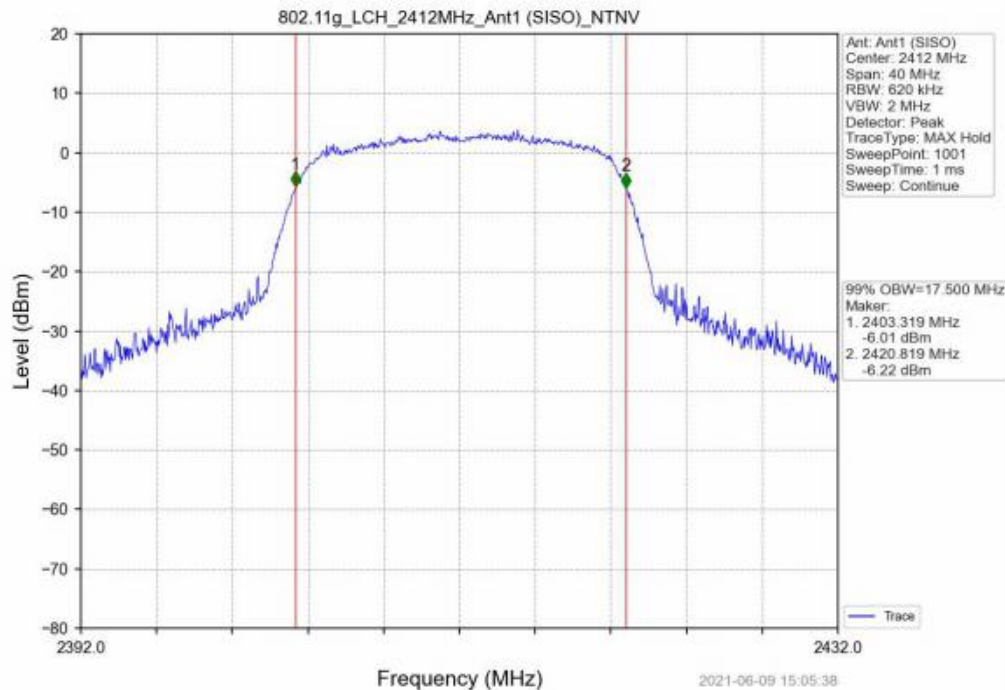
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV

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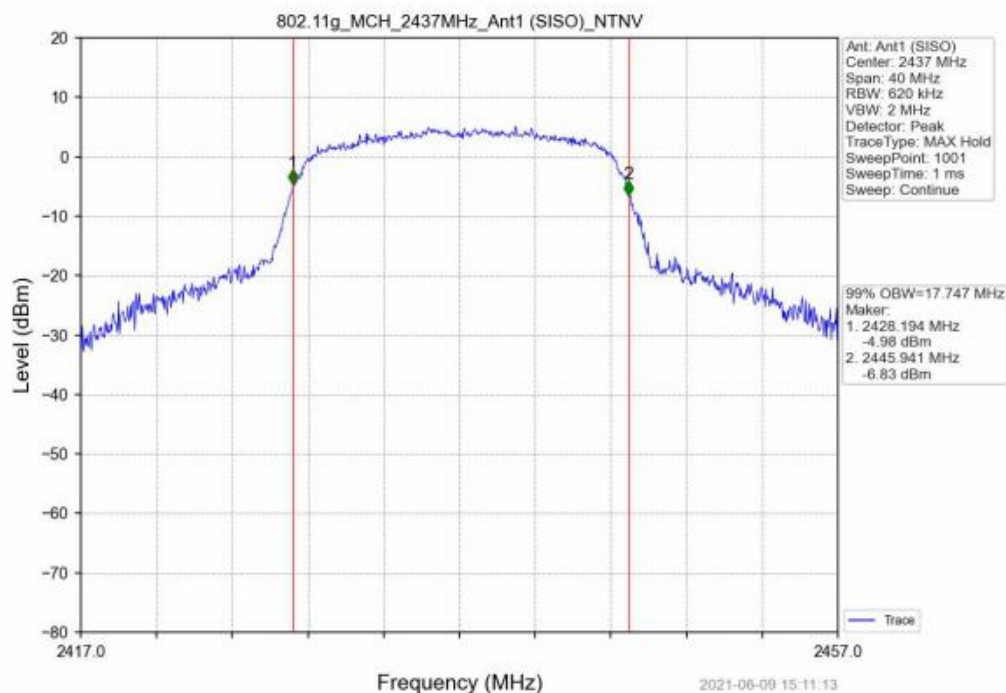
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

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

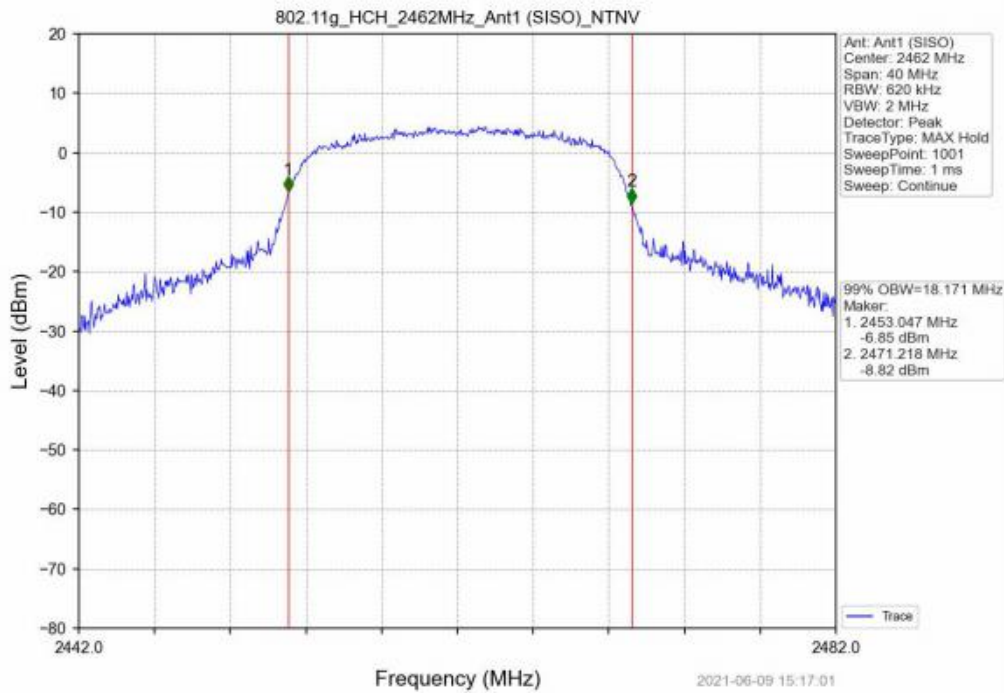
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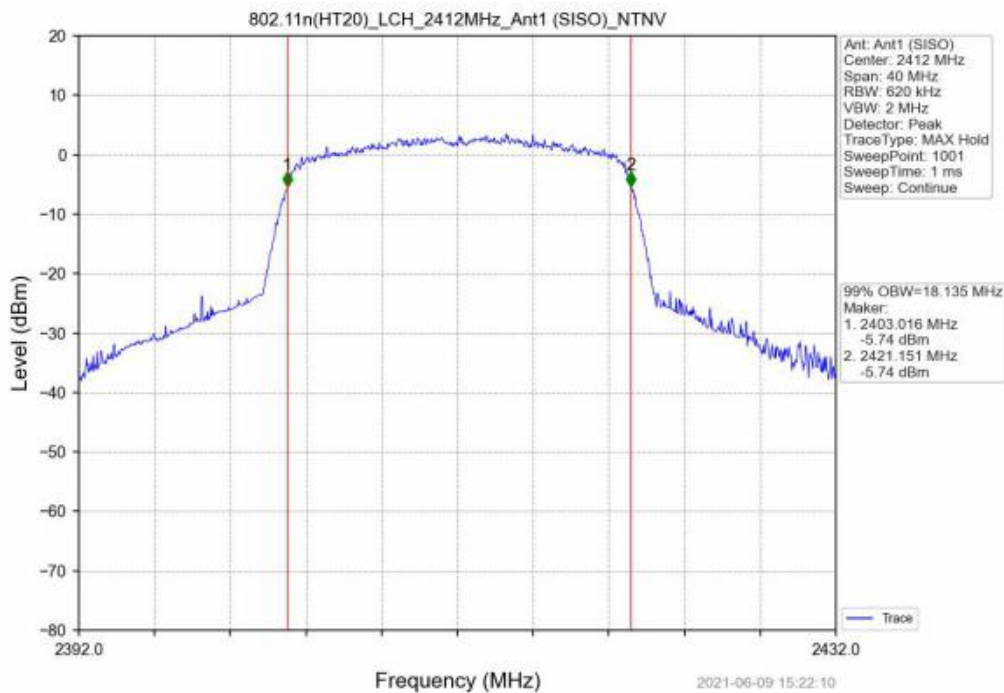
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



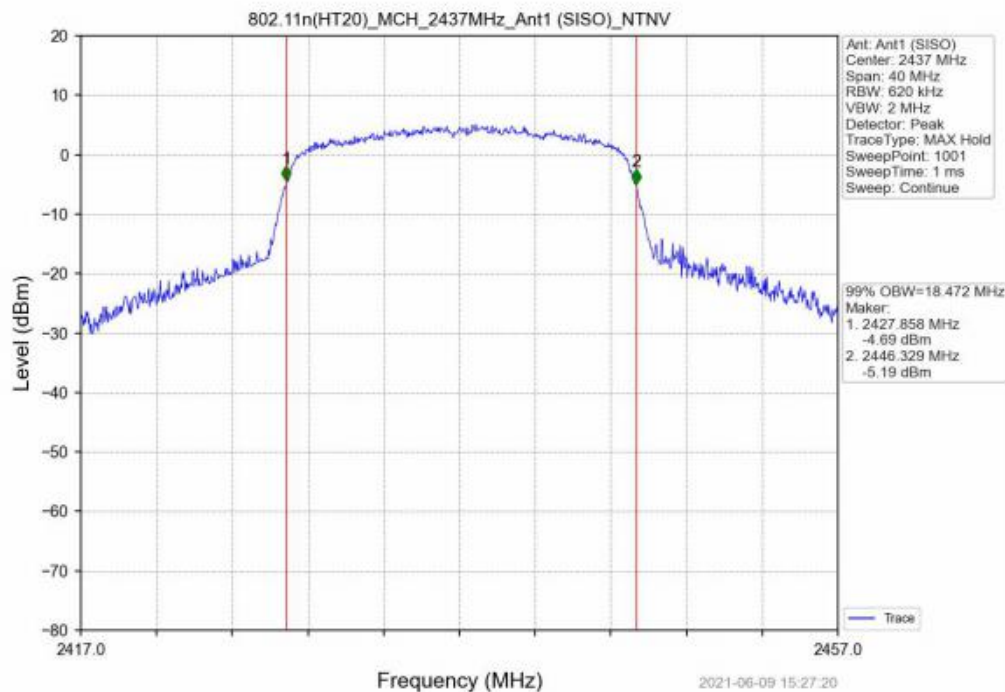
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV

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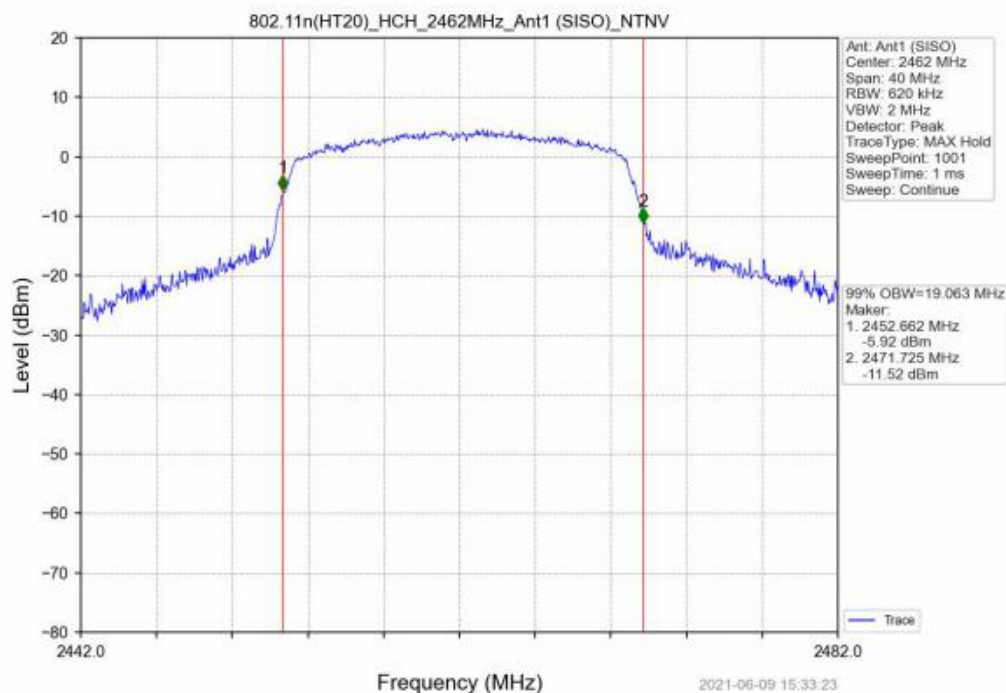
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

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802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



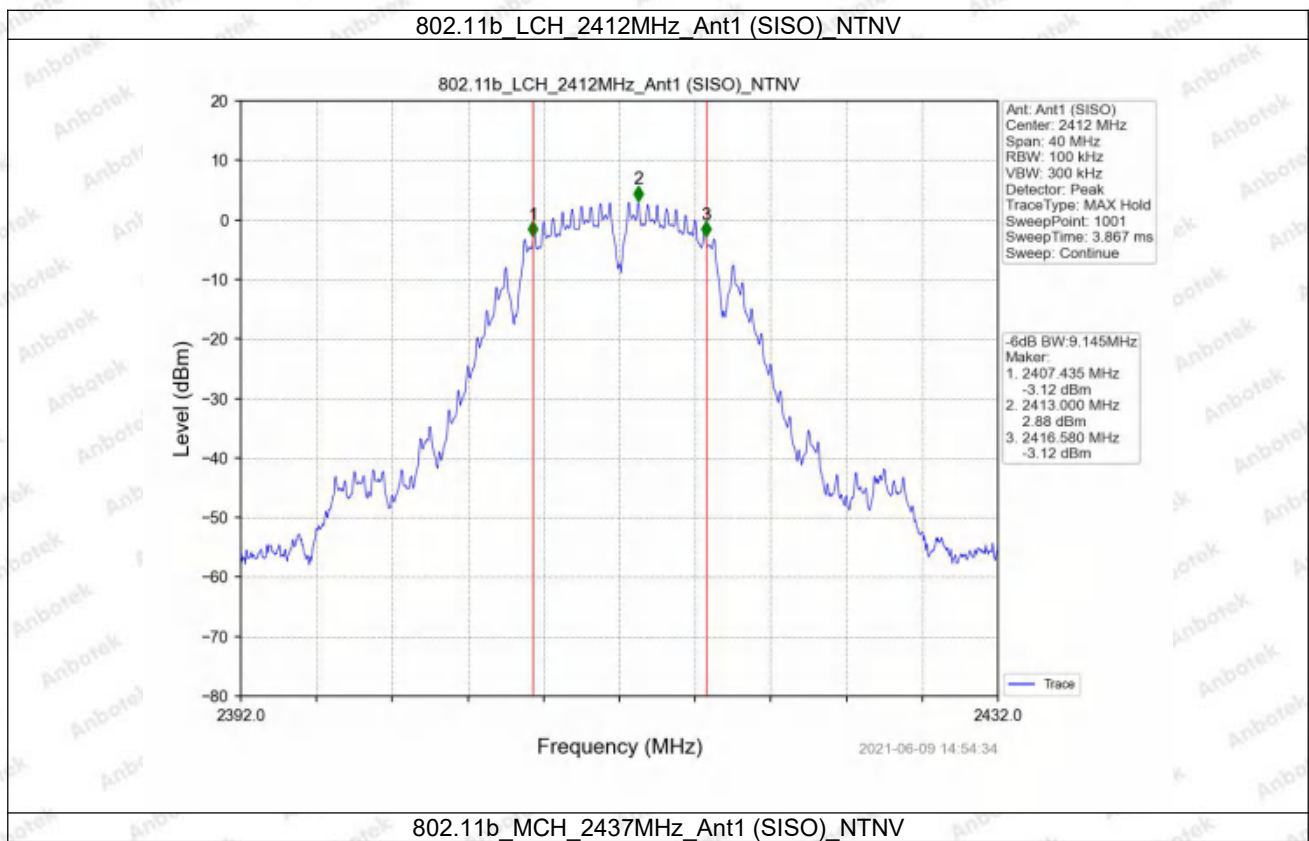
2.2 XDB

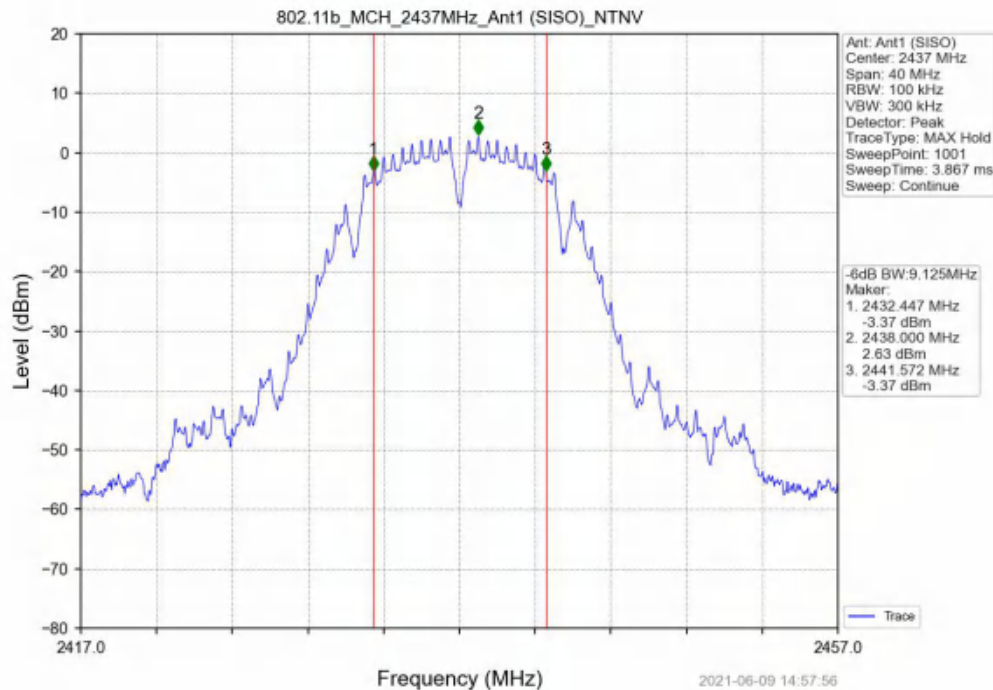
2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	6dB Bandwidth (MHz)	Limit (MHz)	Verdict
					Ant1		
802.11b	SISO	2412	/	/	9.145	>0.5	Note1
		2437	/	/	9.125	>0.5	Note1
		2462	/	/	9.575	>0.5	Note1
802.11g	SISO	2412	/	/	15.468	>0.5	Note1
		2437	/	/	15.172	>0.5	Note1
		2462	/	/	15.354	>0.5	Note1
802.11n (HT20)	SISO	2412	/	/	16.106	>0.5	Note1
		2437	/	/	15.942	>0.5	Note1
		2462	/	/	15.174	>0.5	Note1

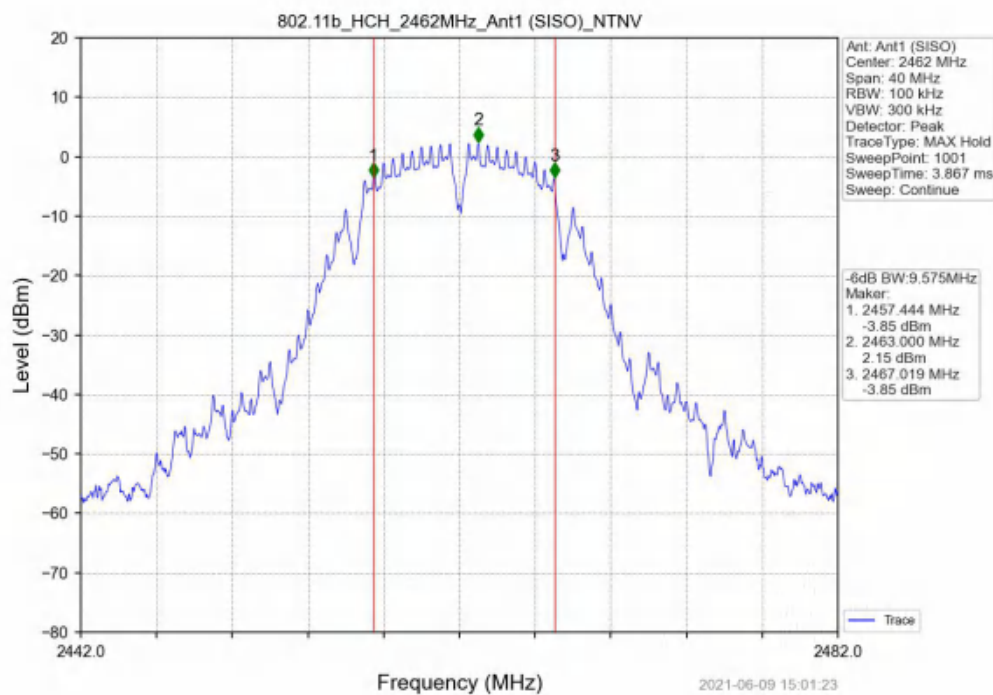
Note1: Only for Report Use

2.2.2 Test Graph

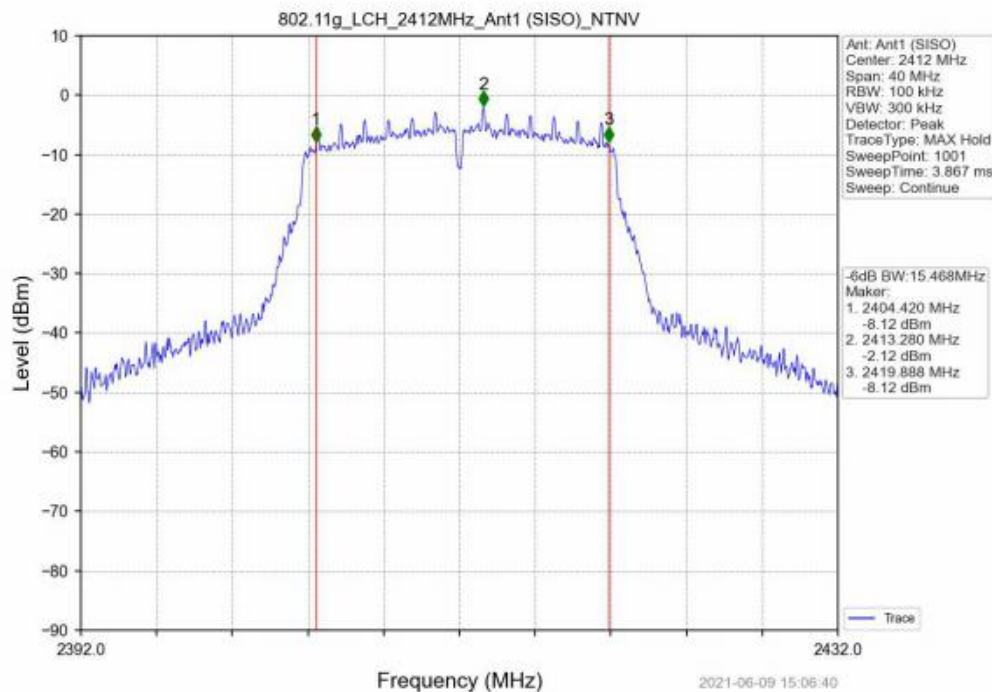




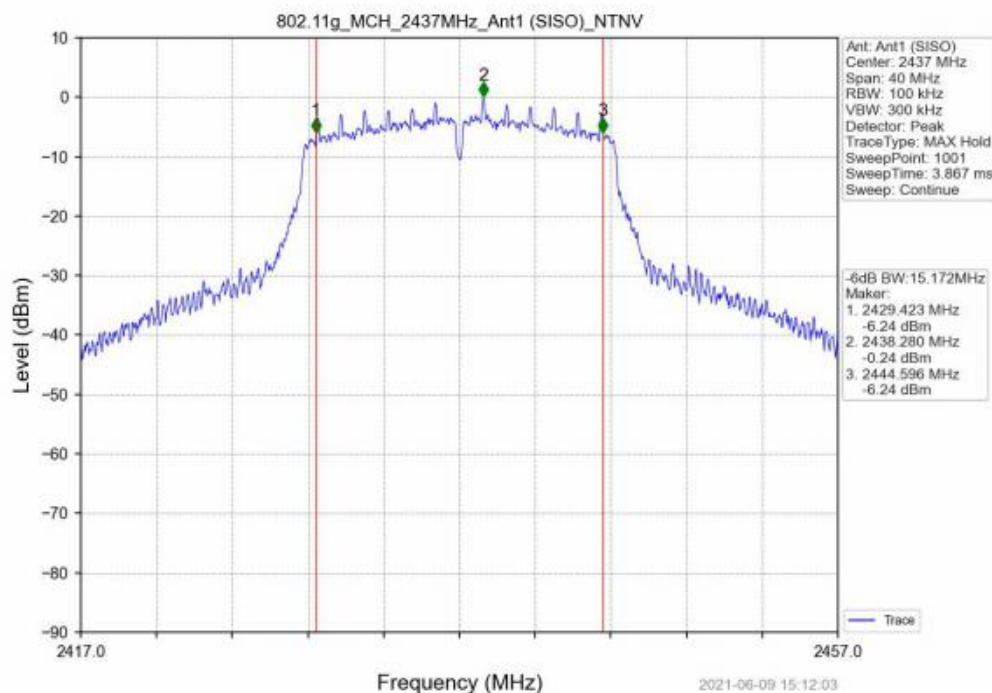
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



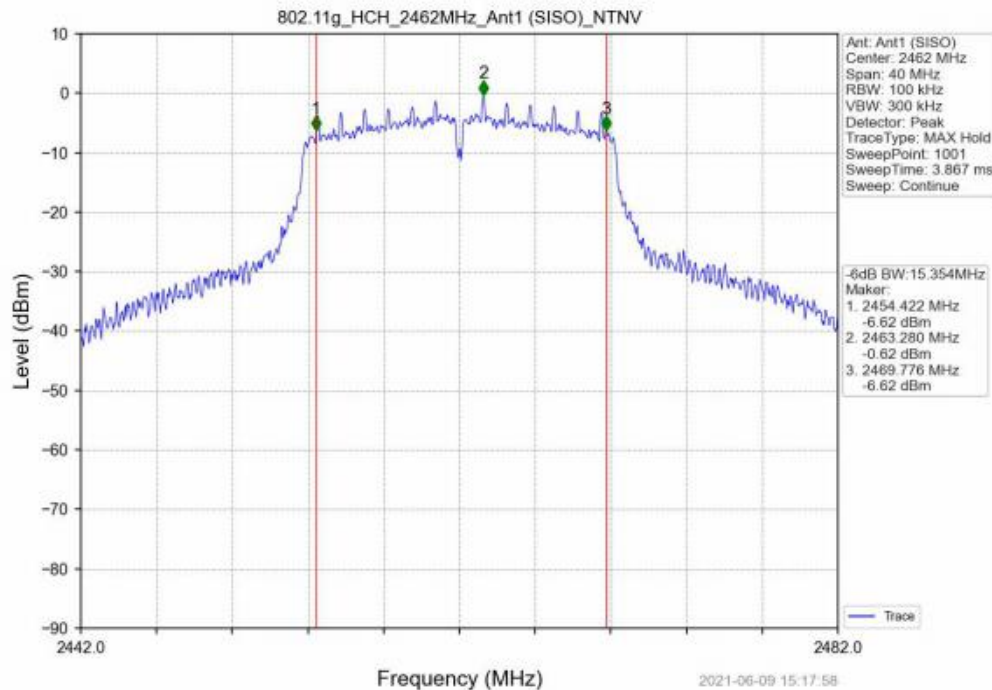
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



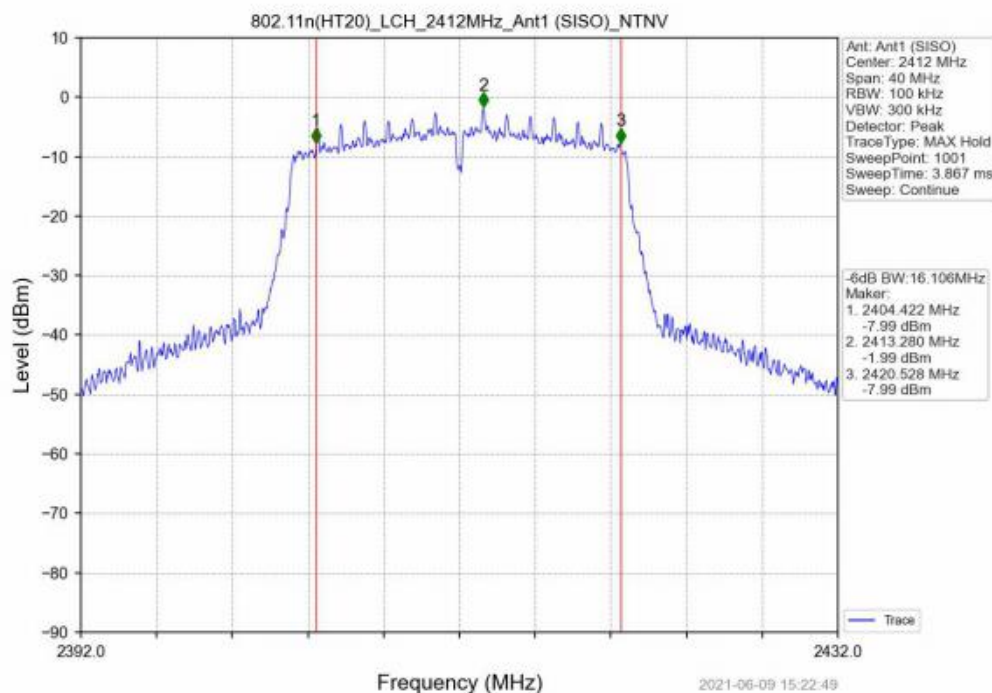
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



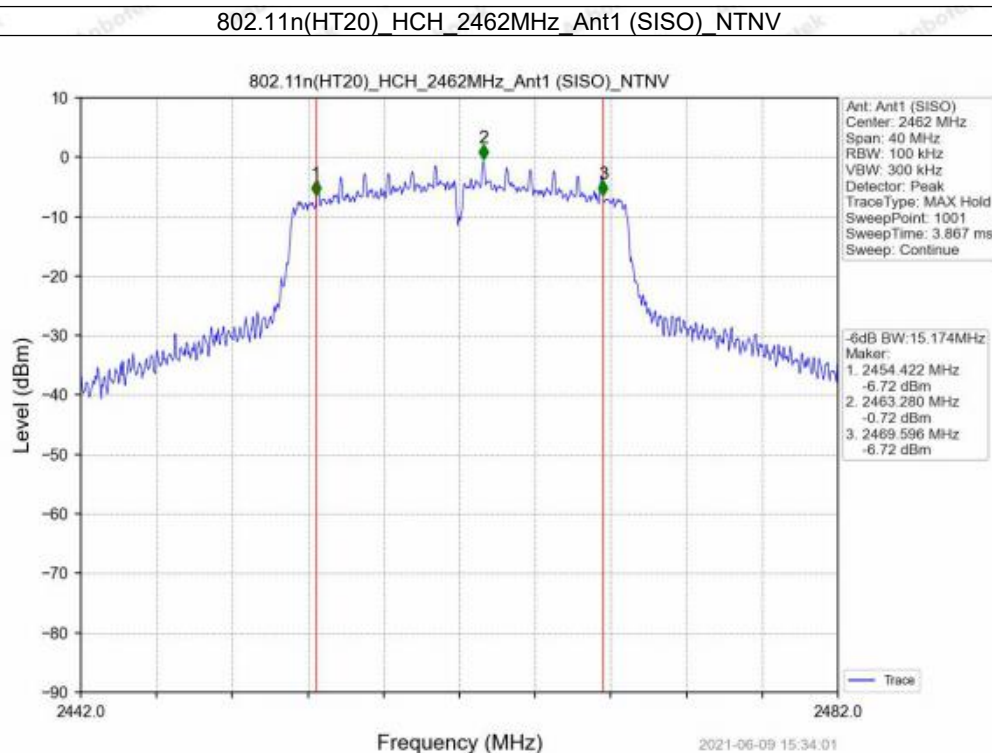
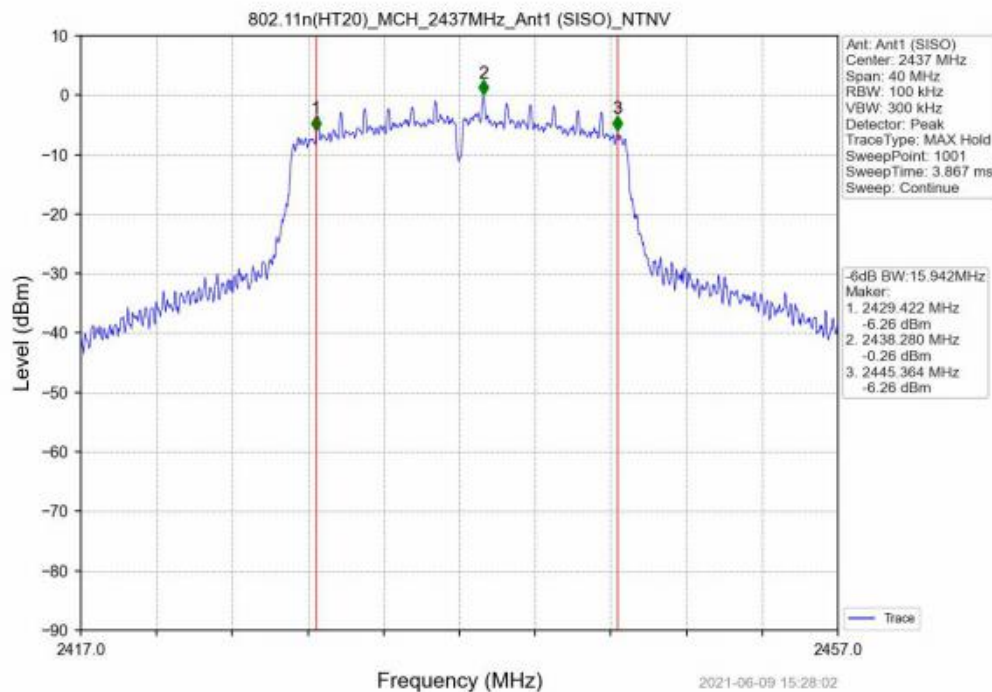
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



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	/	/	13.99	<=30	Pass
		2437	/	/	13.71	<=30	Pass
		2462	/	/	13.27	<=30	Pass
802.11g	SISO	2412	/	/	15.33	<=30	Pass
		2437	/	/	17.04	<=30	Pass
		2462	/	/	16.78	<=30	Pass
802.11n (HT20)	SISO	2412	/	/	15.47	<=30	Pass
		2437	/	/	17.12	<=30	Pass
		2462	/	/	16.72	<=30	Pass

Note1: Antenna Gain: 1.50dBi;

4. Maximum Power Spectral Density

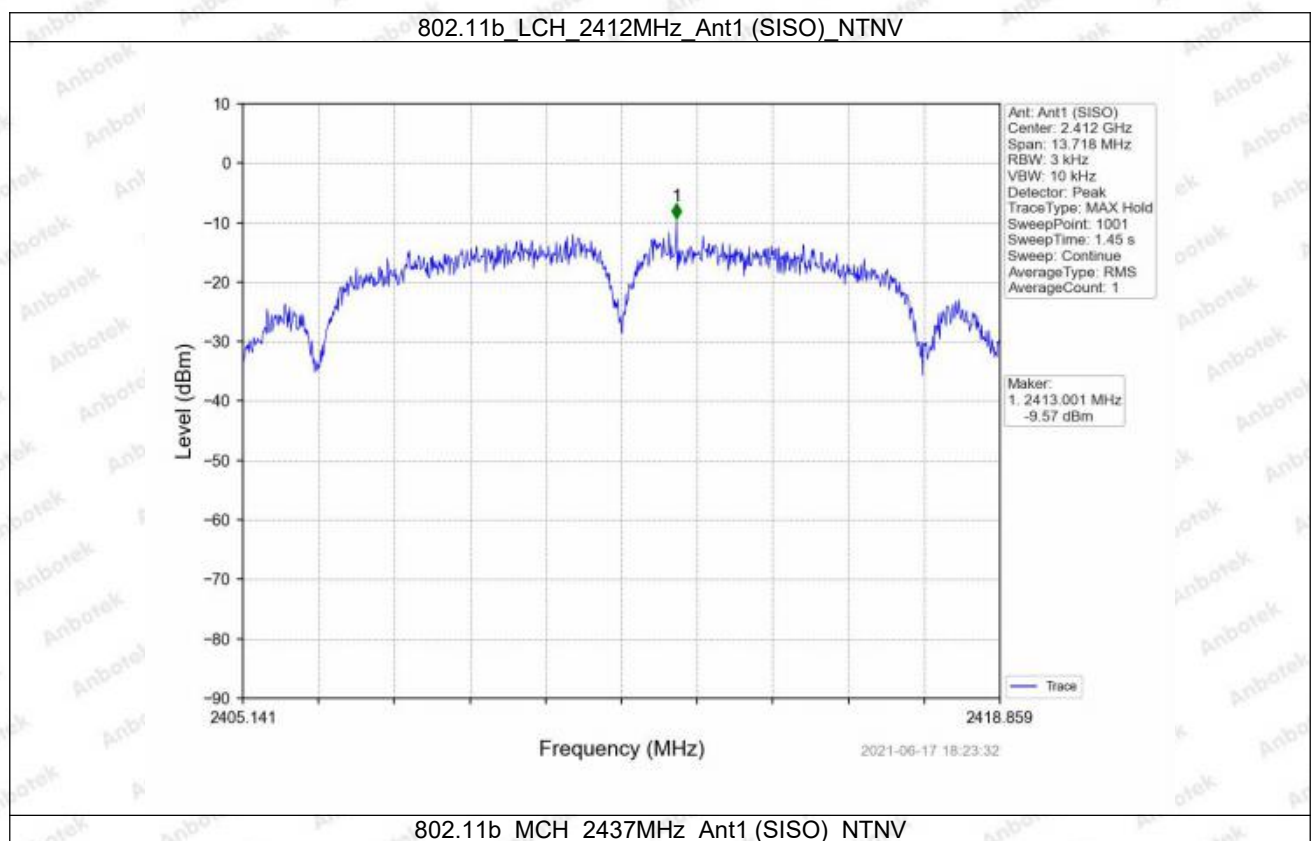
4.1 PSD

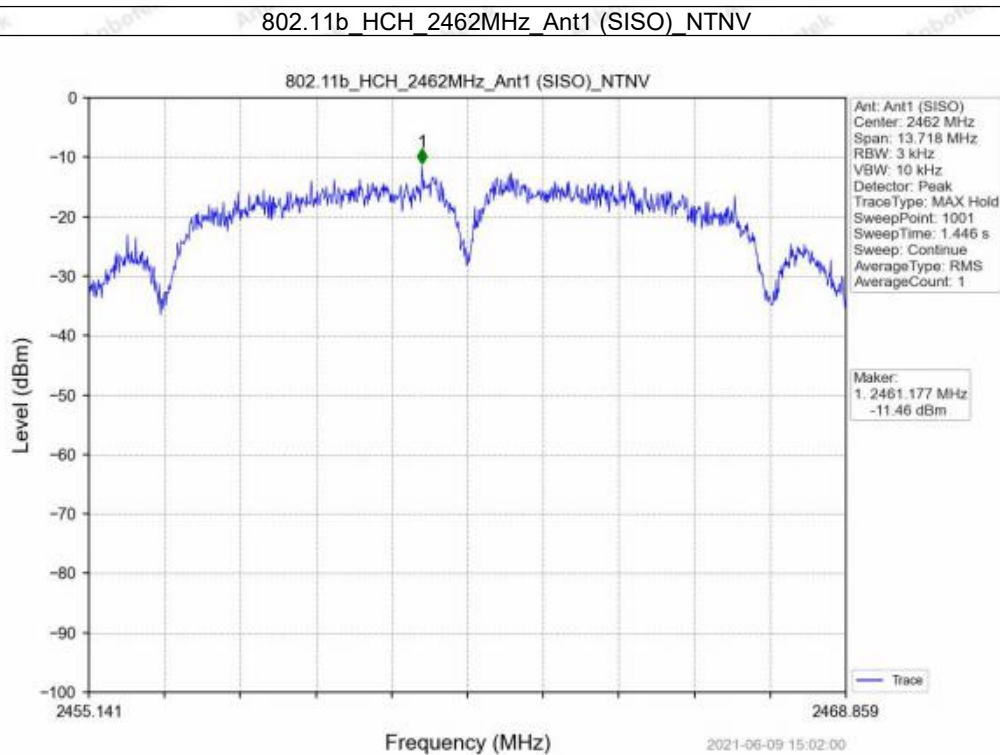
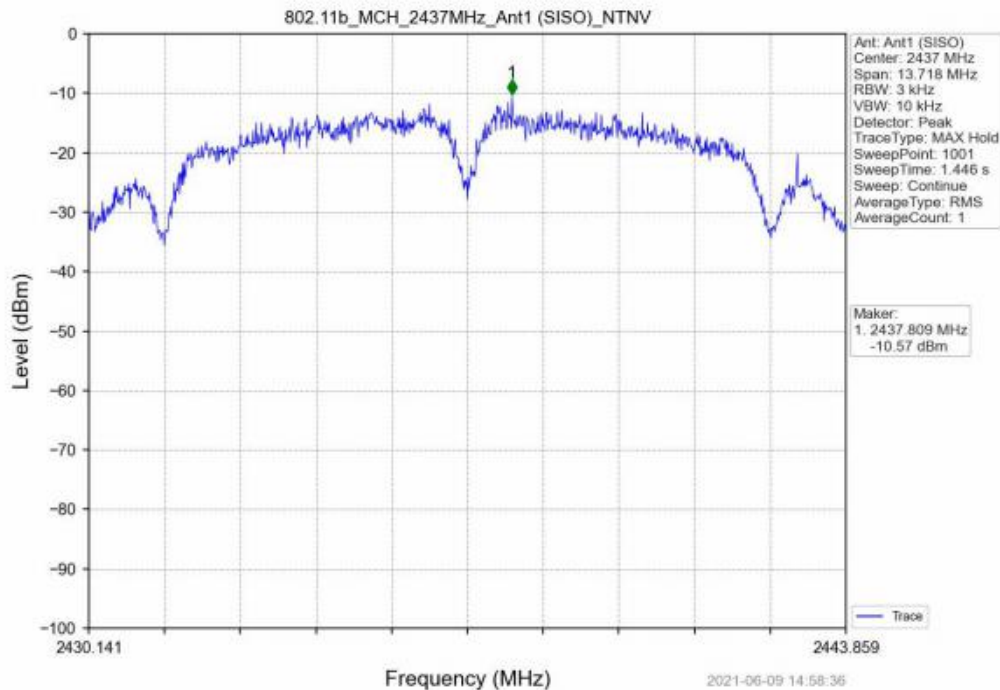
4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/3KHz)	Limit (dBm/3KHz)	Verdict
					Ant1		
802.11b	SISO	2412	/	/	-9.57	<=8	Pass
		2437	/	/	-10.57	<=8	Pass
		2462	/	/	-11.46	<=8	Pass
802.11g	SISO	2412	/	/	-17.22	<=8	Pass
		2437	/	/	-13.57	<=8	Pass
		2462	/	/	-14.38	<=8	Pass
802.11n (HT20)	SISO	2412	/	/	-16.11	<=8	Pass
		2437	/	/	-14.84	<=8	Pass
		2462	/	/	-15.76	<=8	Pass

Note1: Antenna Gain: 1.50dBi;

4.1.2 Test Graph





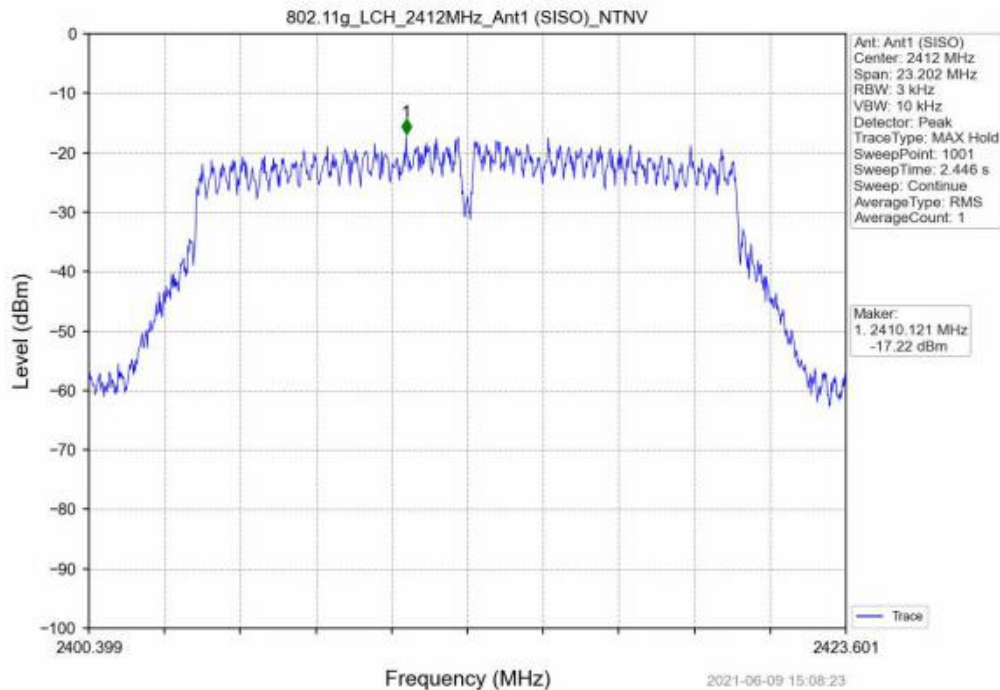
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV

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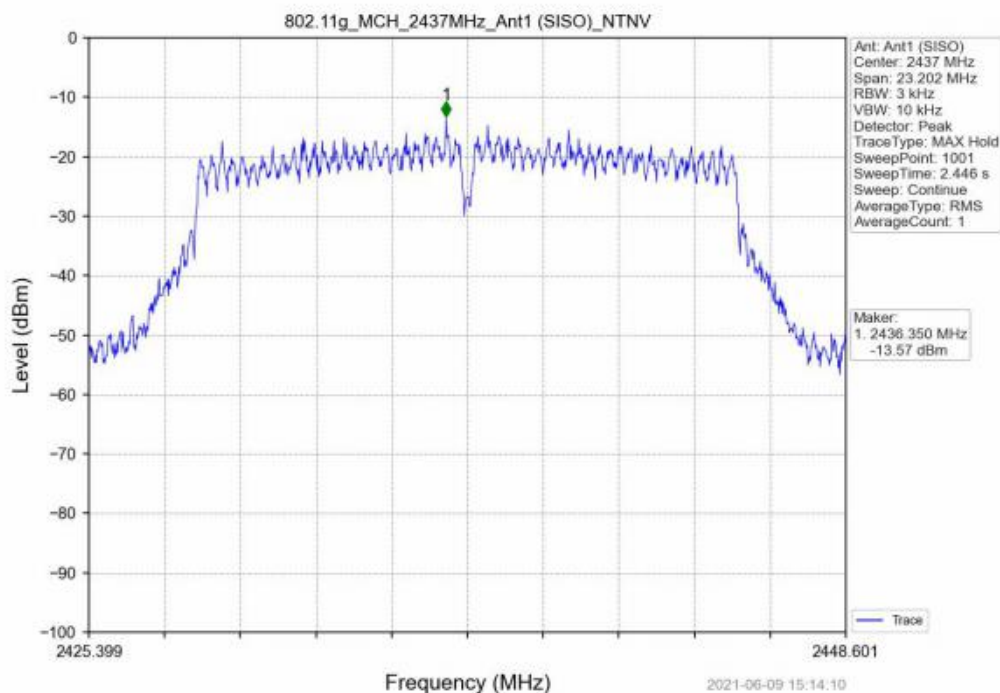
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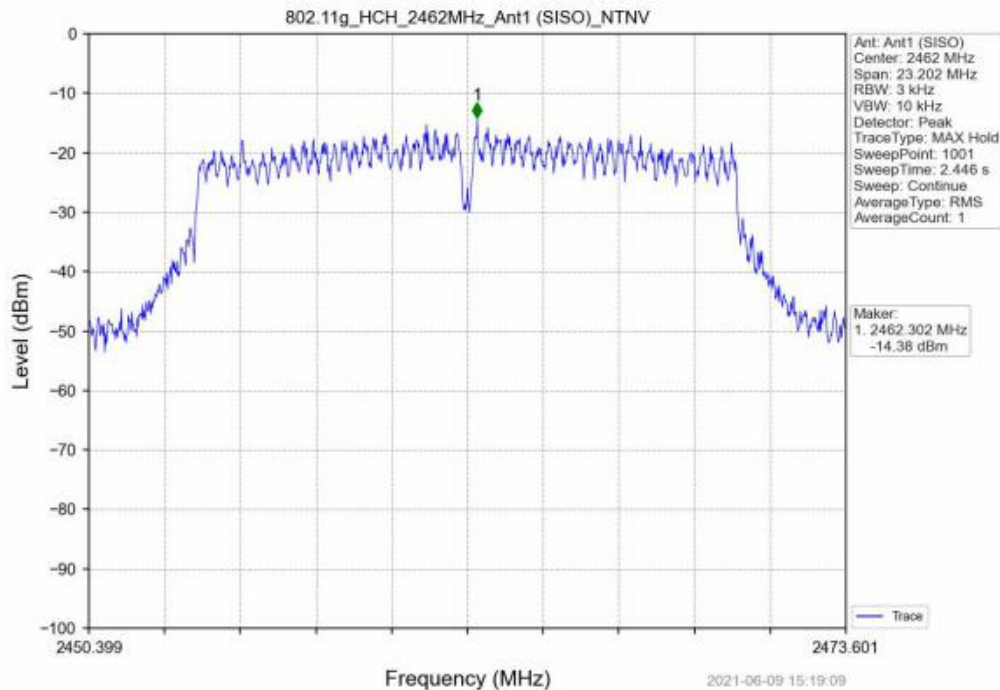
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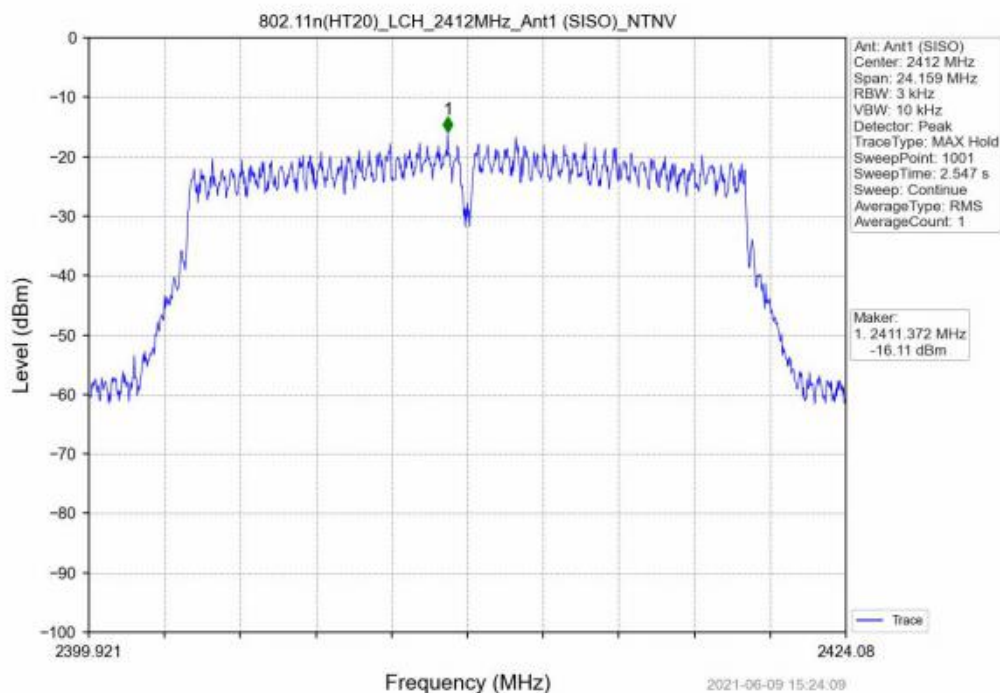
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



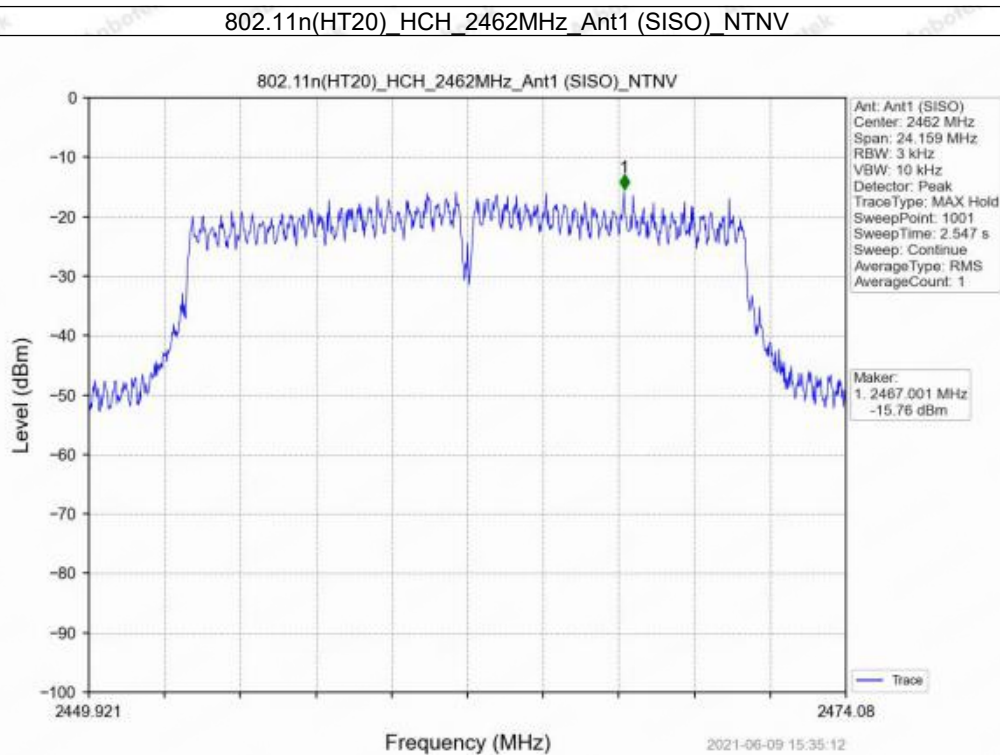
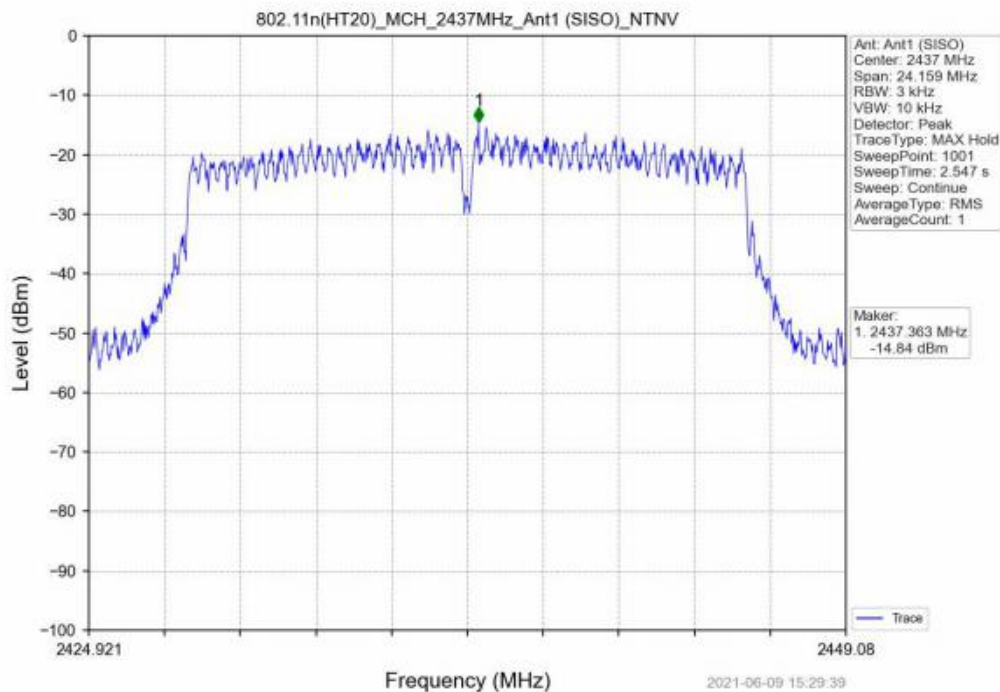
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV

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5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Ref

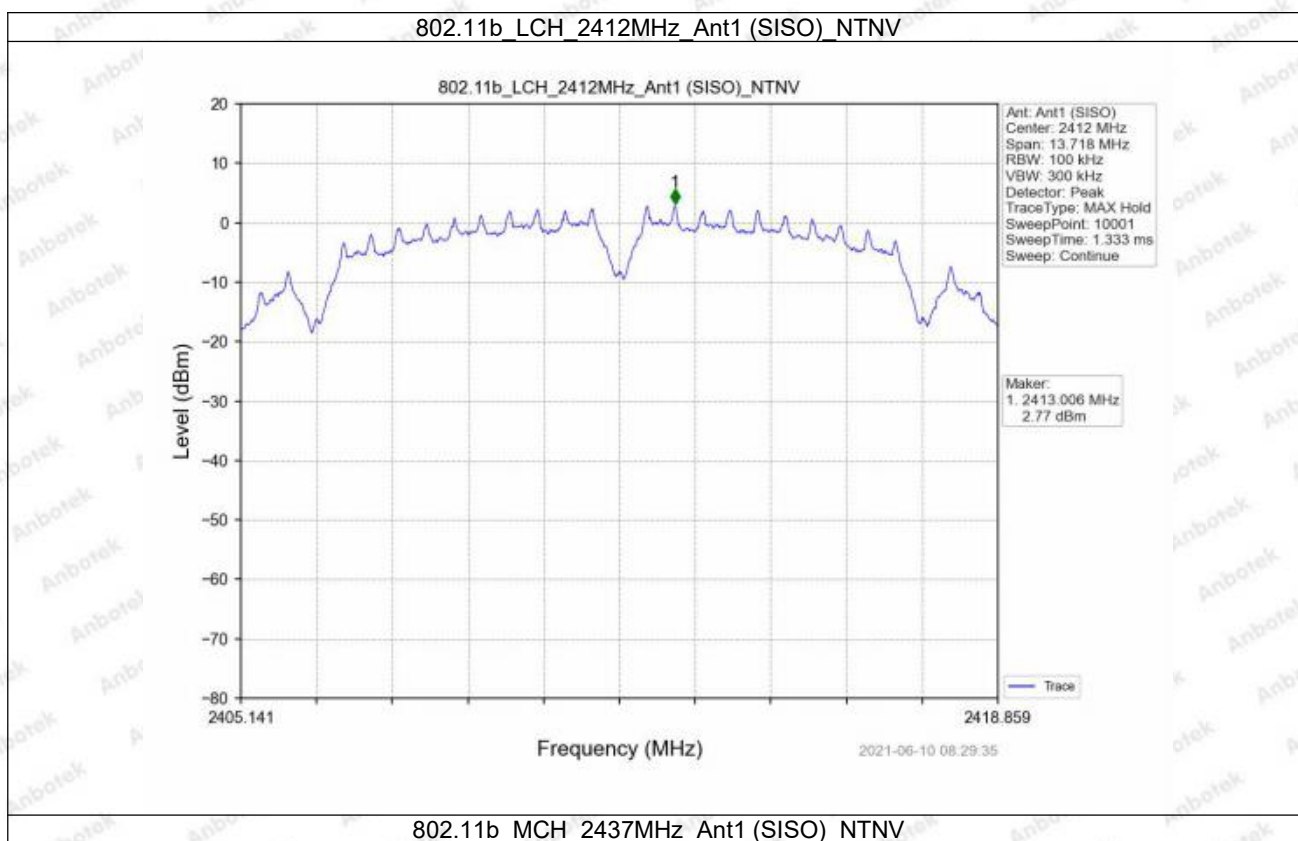
5.1.1 Test Result

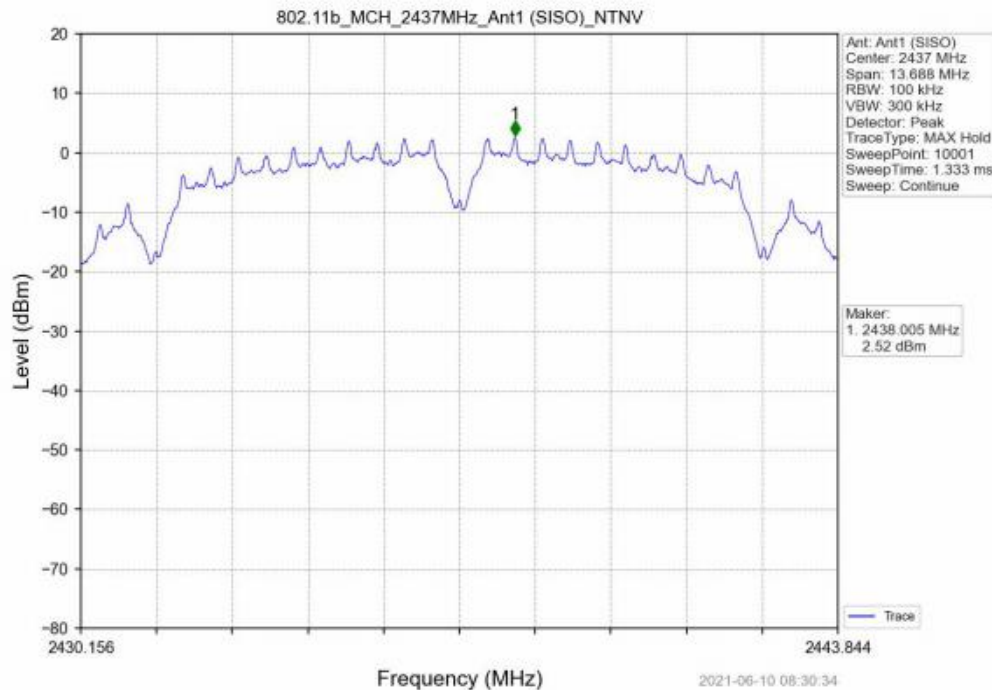
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	/	/	1	2.77	/	/
		2437	/	/	1	2.52	/	/
		2462	/	/	1	1.69	/	/
802.11g	SISO	2412	/	/	1	-2.75	/	/
		2437	/	/	1	-0.70	/	/
		2462	/	/	1	-1.23	/	/
802.11n (HT20)	SISO	2412	/	/	1	-2.68	/	/
		2437	/	/	1	-0.83	/	/
		2462	/	/	1	-1.49	/	/

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

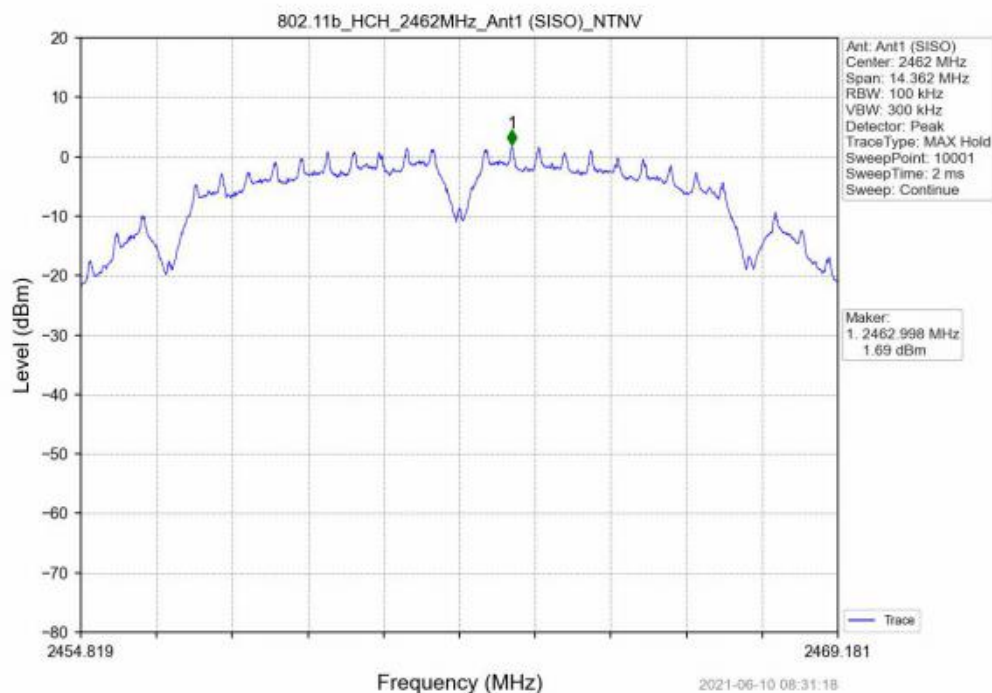
Note2: Only for Report Use

5.1.2 Test Graph

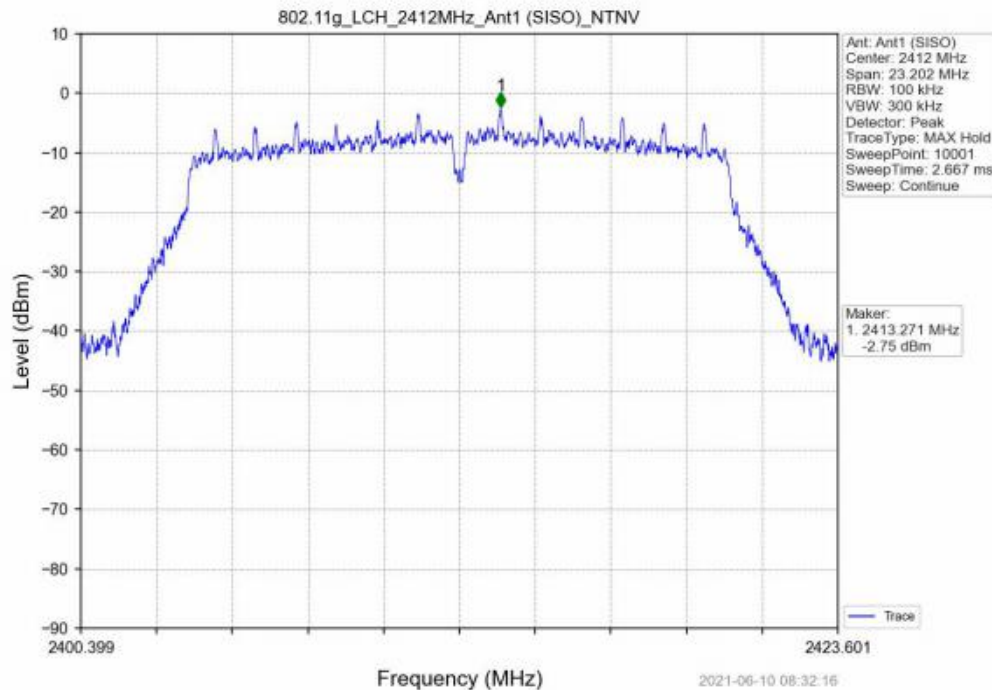




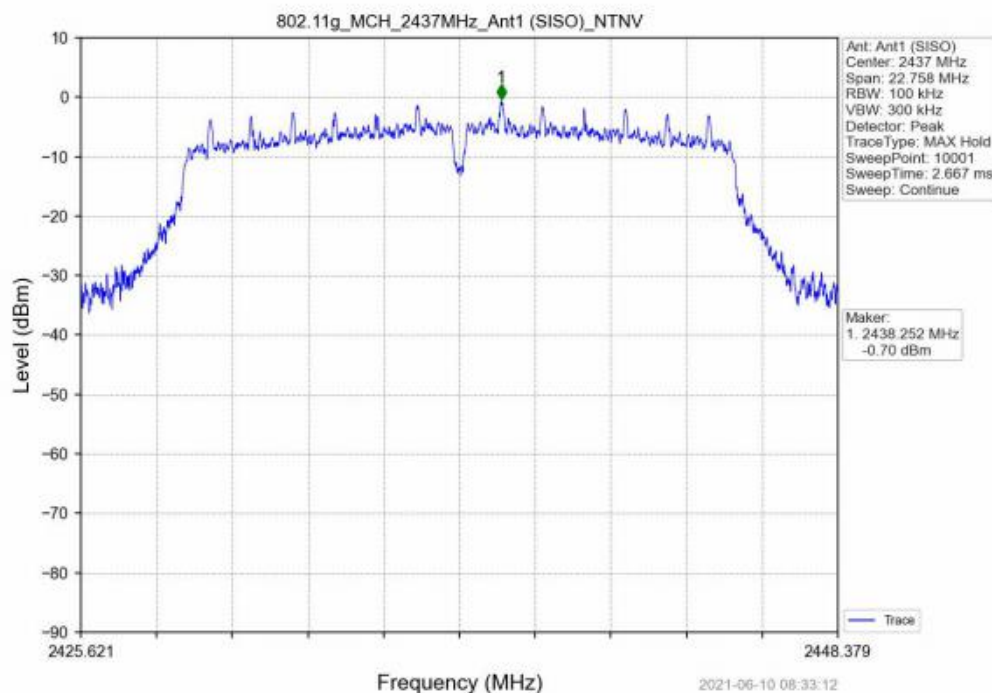
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



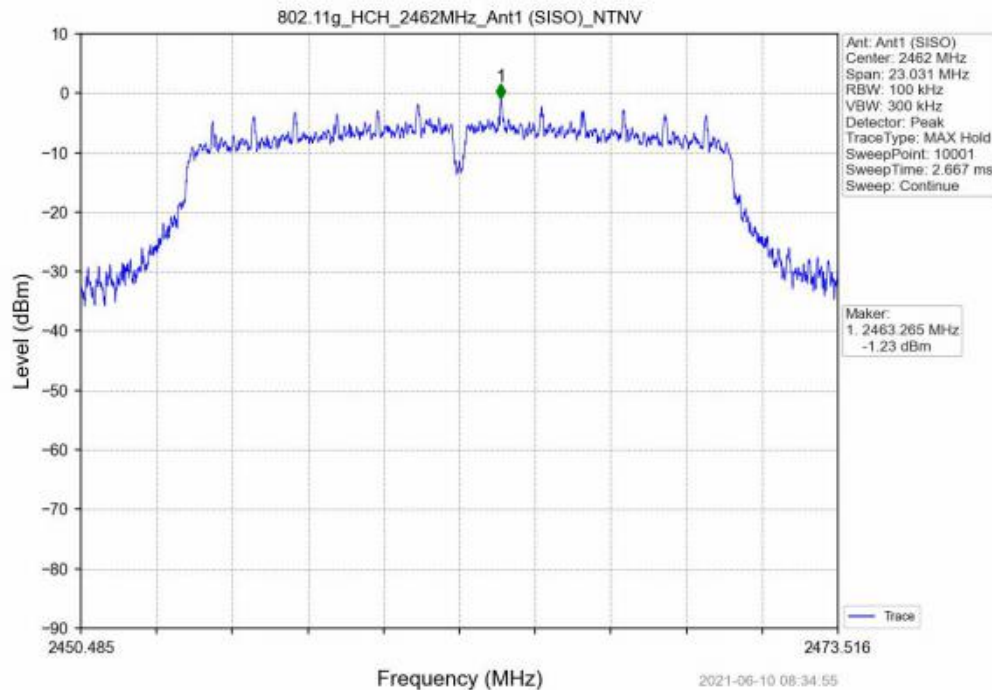
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



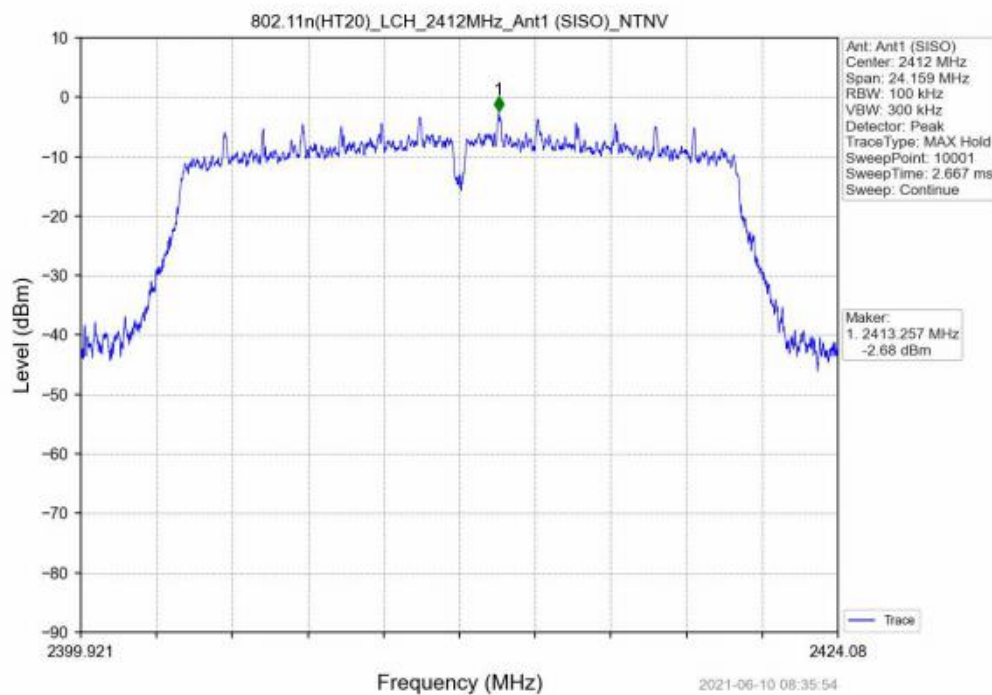
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



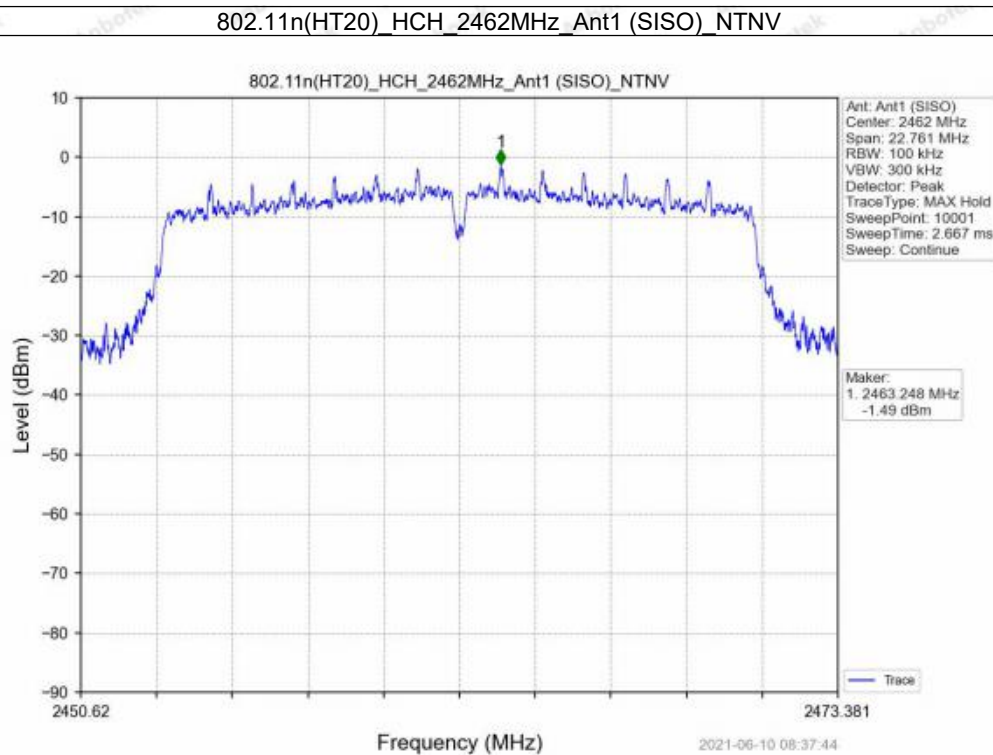
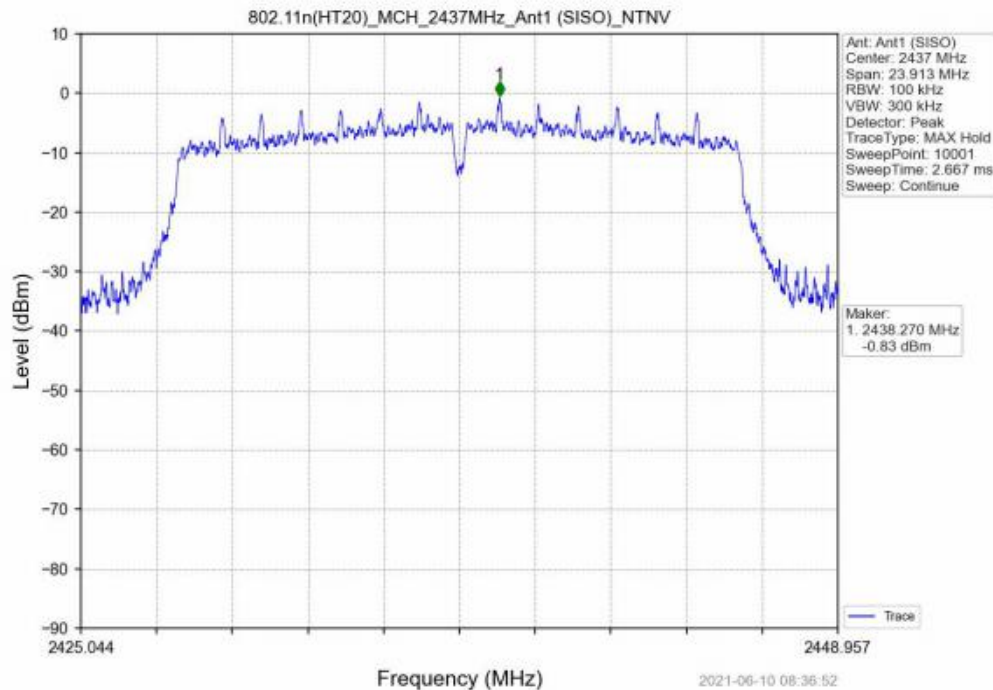
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV

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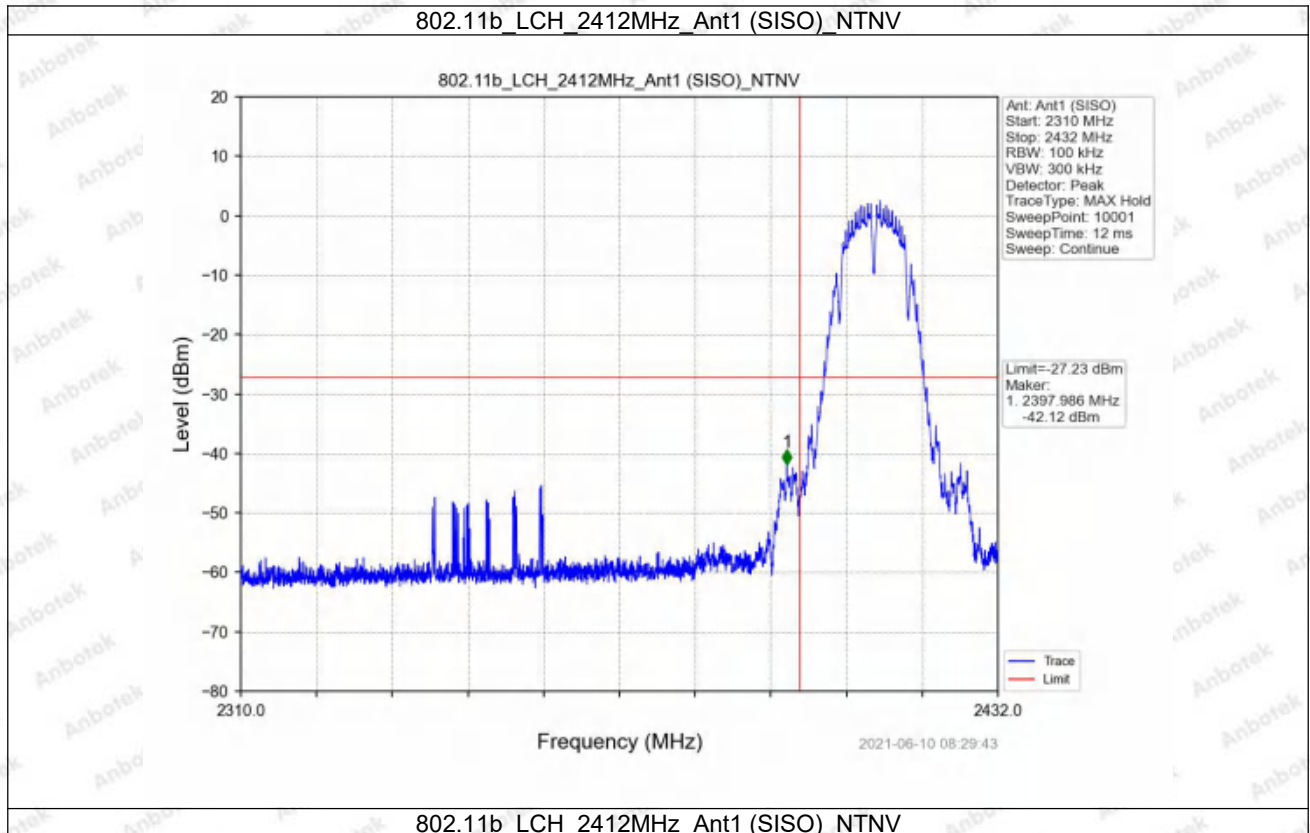
5.2 CSE

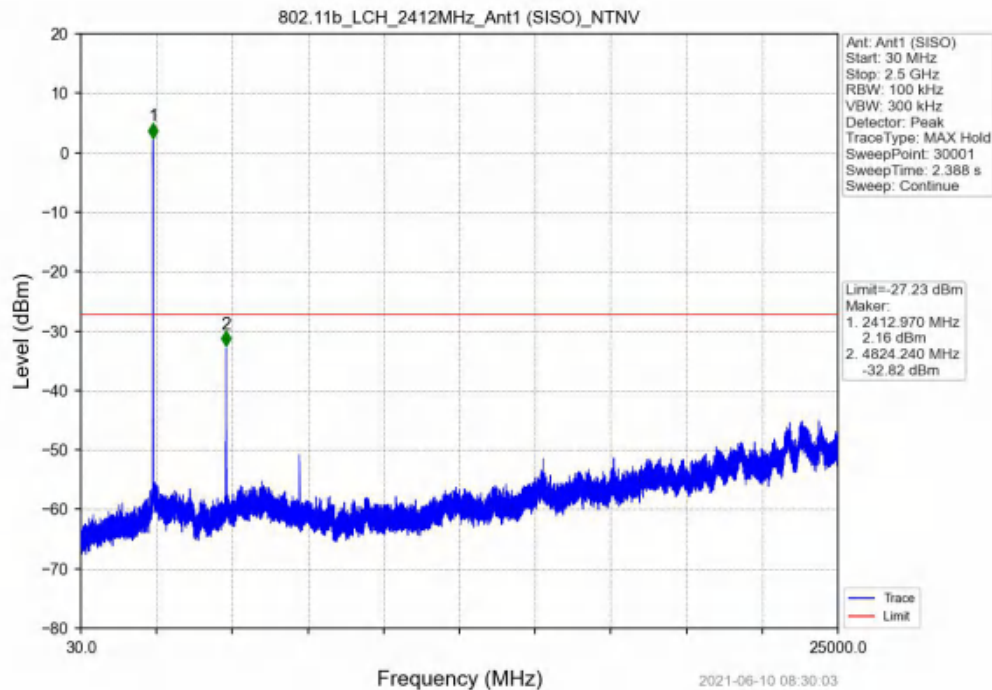
5.2.1 Test Result

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	Refer To Test Graph	Pass
		2437	/	/	1	Refer To Test Graph	Refer To Test Graph	Pass
		2462	/	/	1	Refer To Test Graph	Refer To Test Graph	Pass
802.11g	SISO	2412	/	/	1	Refer To Test Graph	Refer To Test Graph	Pass
		2437	/	/	1	Refer To Test Graph	Refer To Test Graph	Pass
		2462	/	/	1	Refer To Test Graph	Refer To Test Graph	Pass
802.11n (HT20)	SISO	2412	/	/	1	Refer To Test Graph	Refer To Test Graph	Pass
		2437	/	/	1	Refer To Test Graph	Refer To Test Graph	Pass
		2462	/	/	1	Refer To Test Graph	Refer To Test Graph	Pass

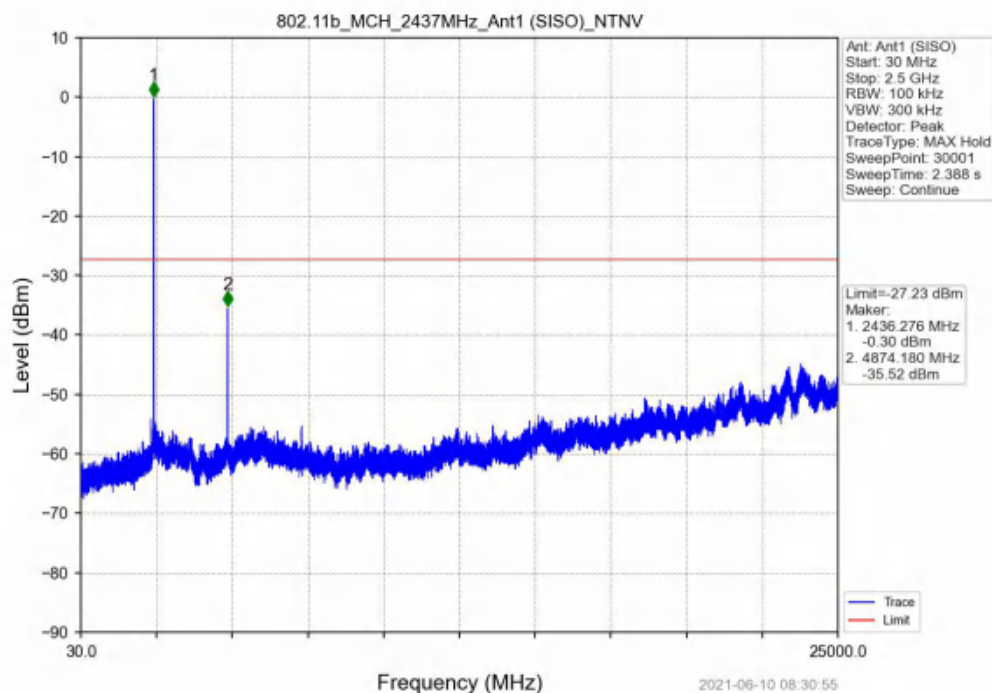
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.
Note2: Only for Report Use

5.2.2 Test Graph





802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



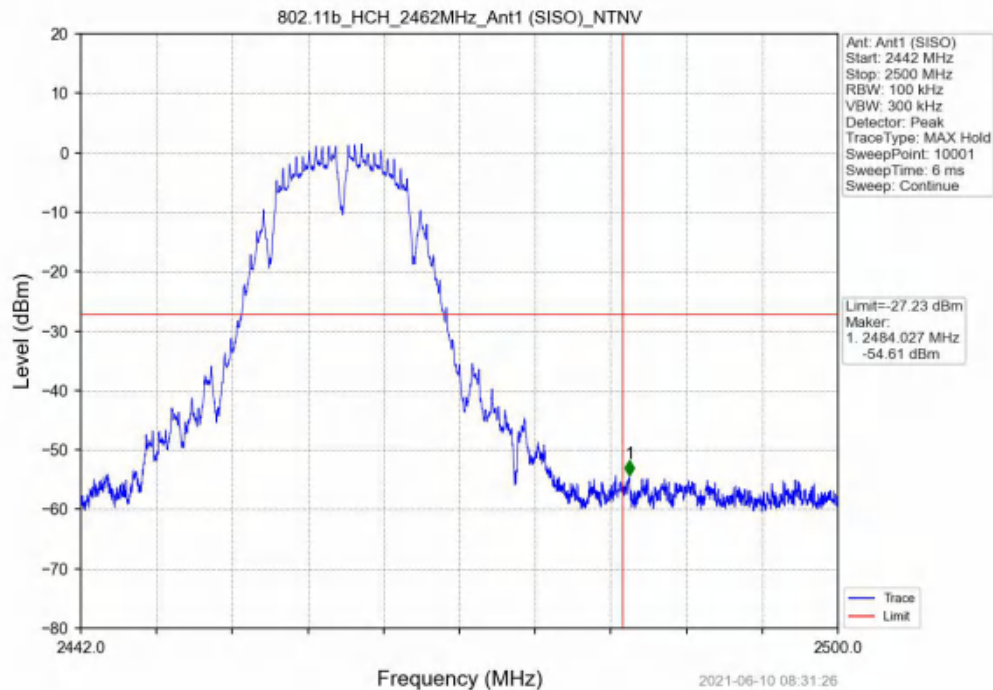
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV

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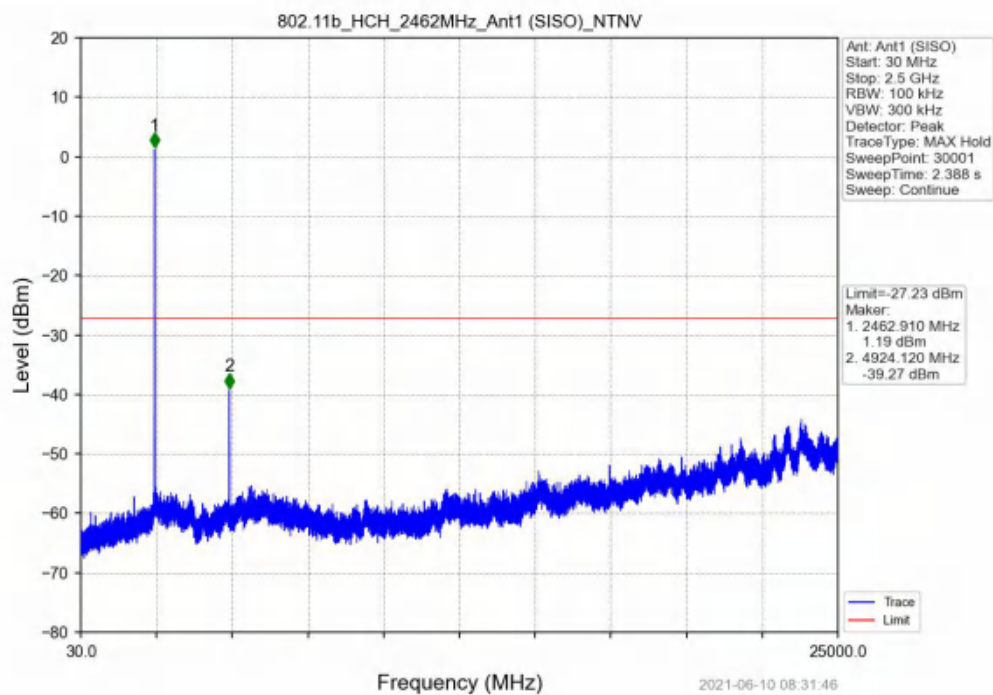
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

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

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802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



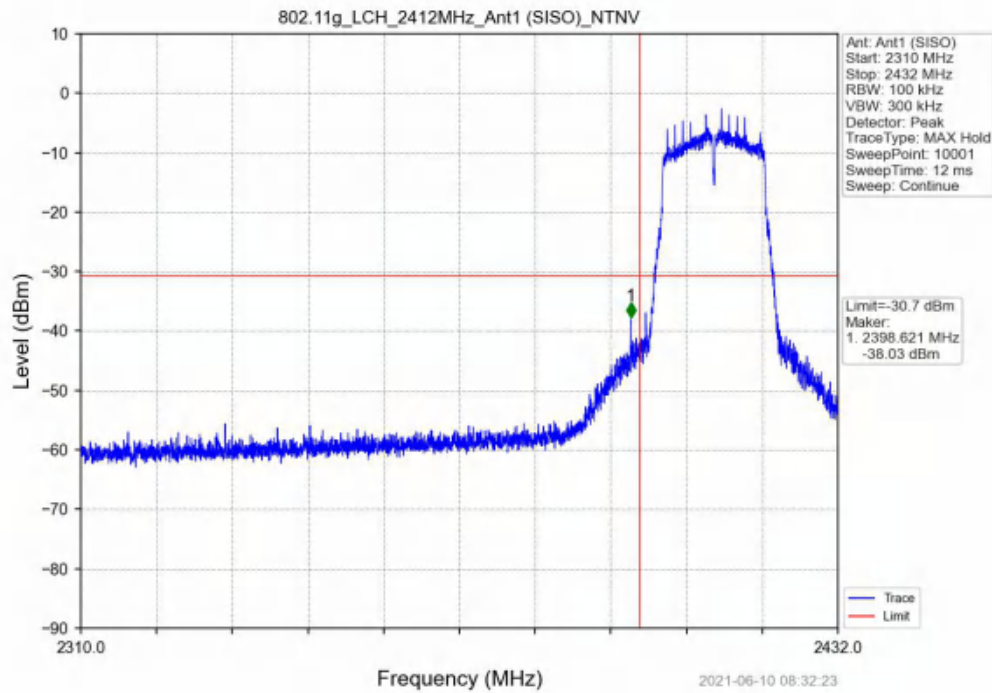
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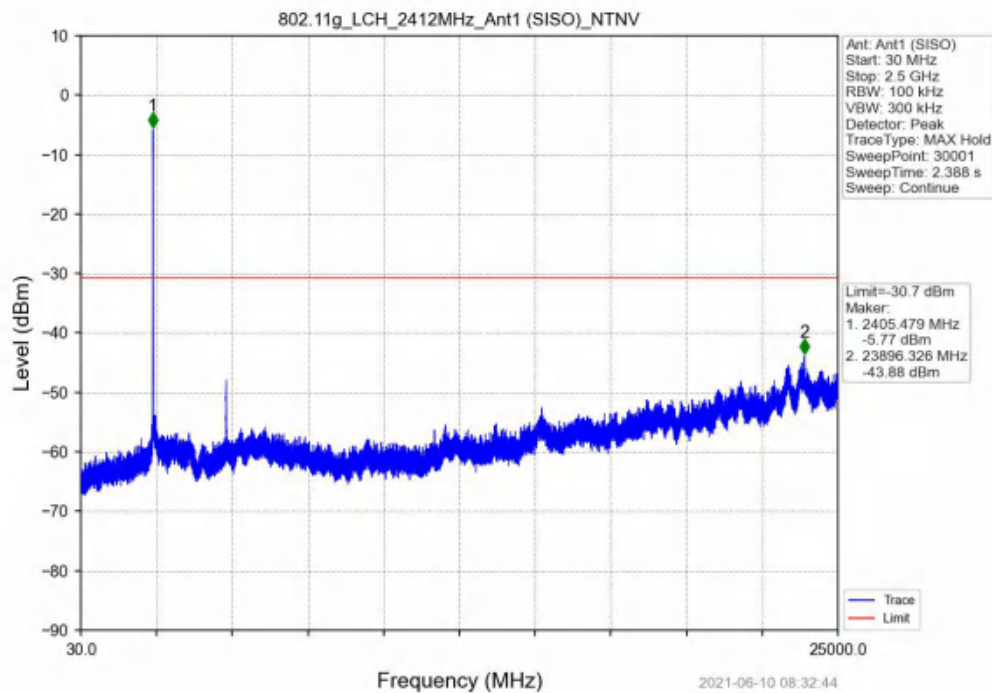
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802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



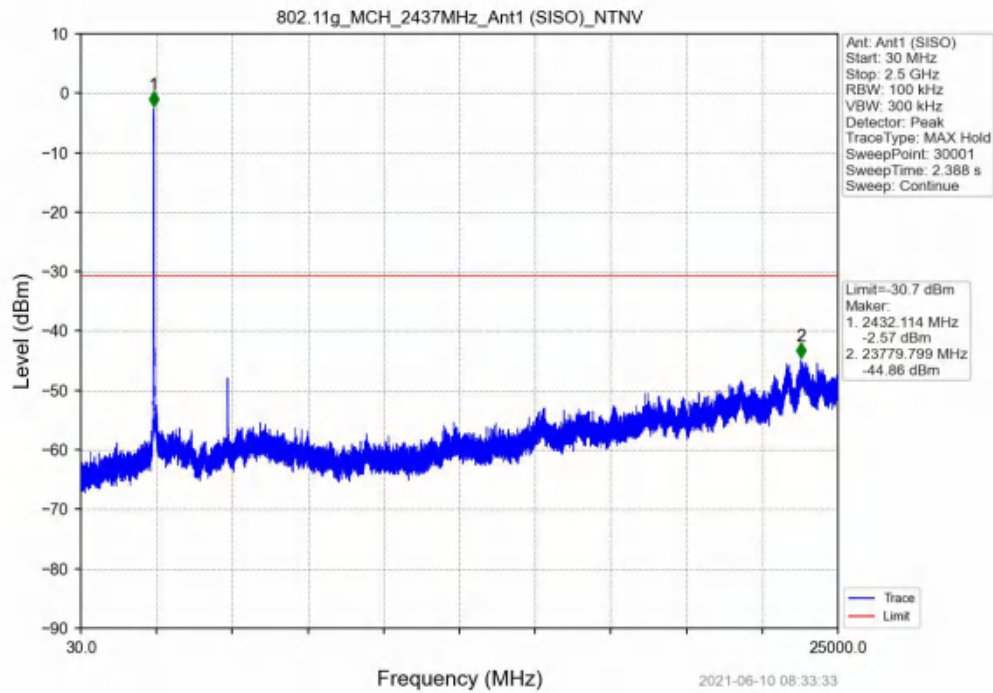
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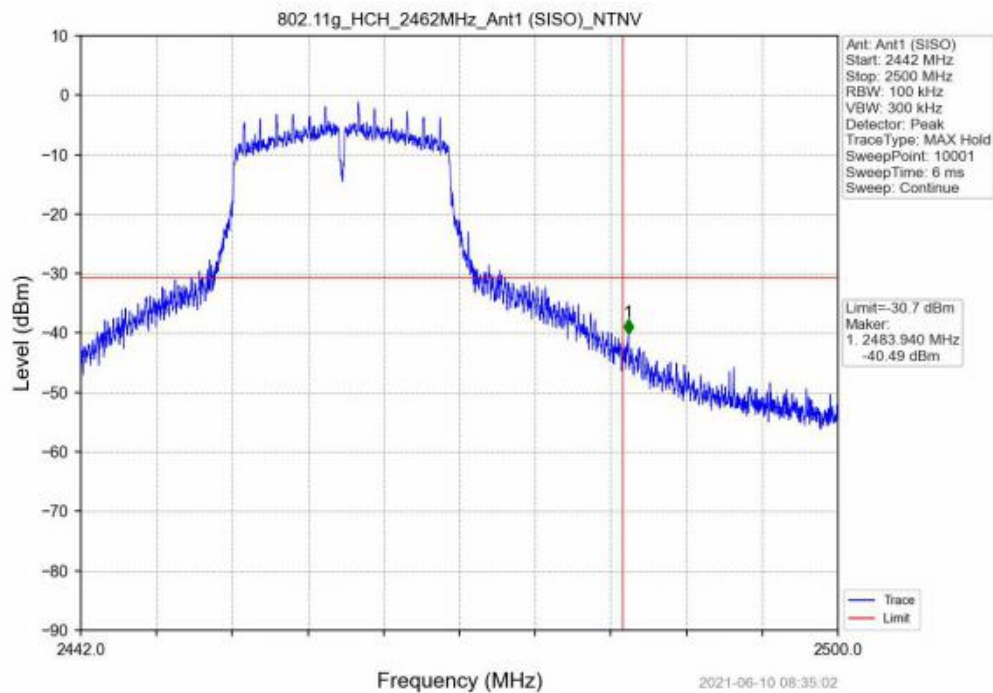
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

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

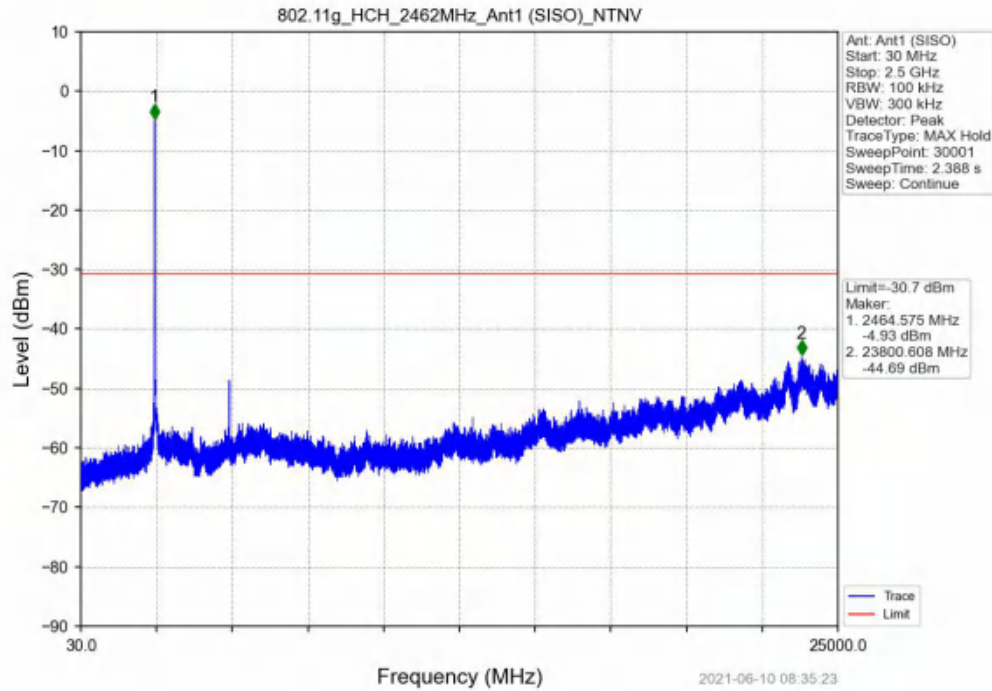
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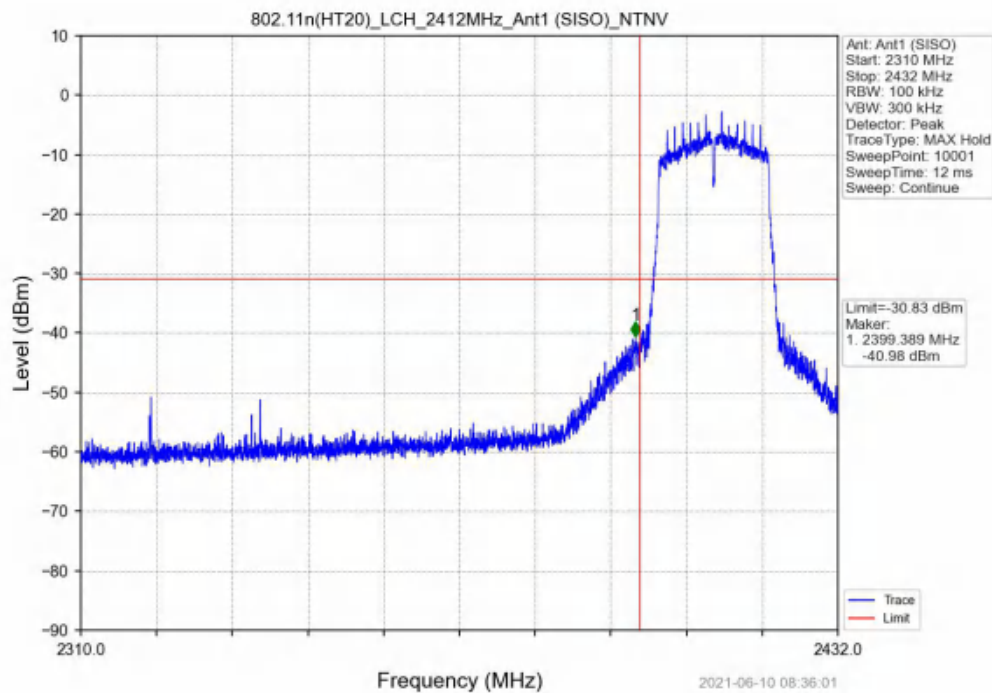
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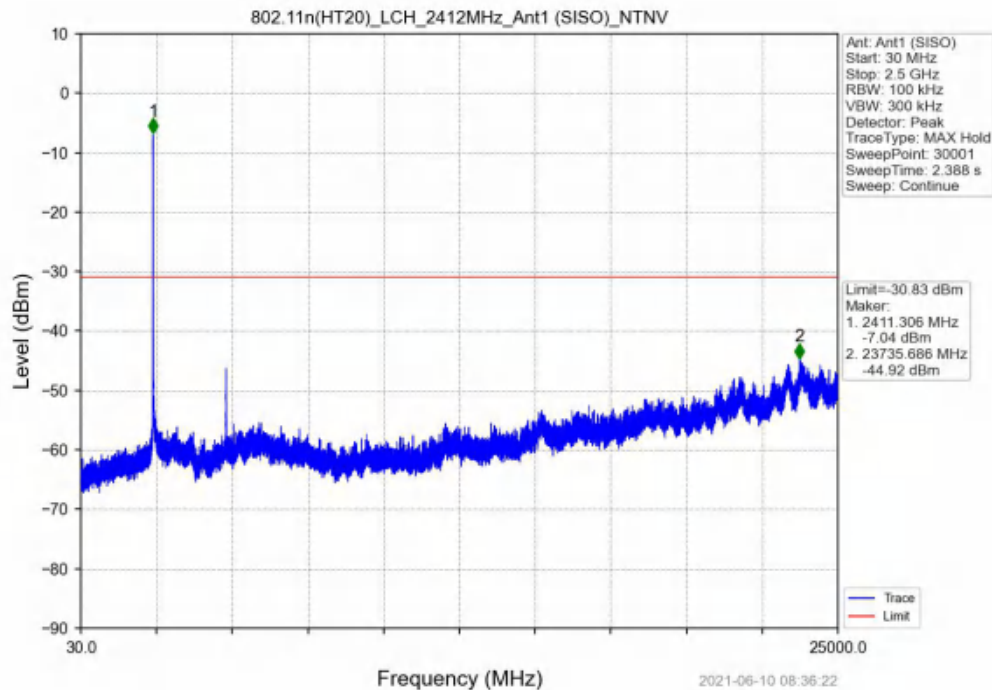
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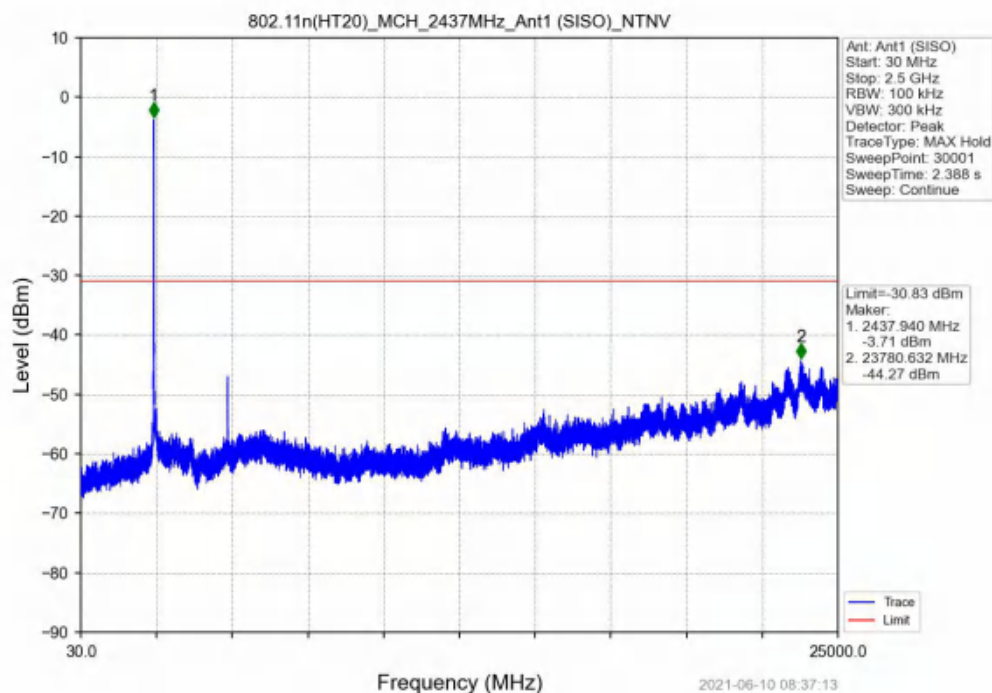
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802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



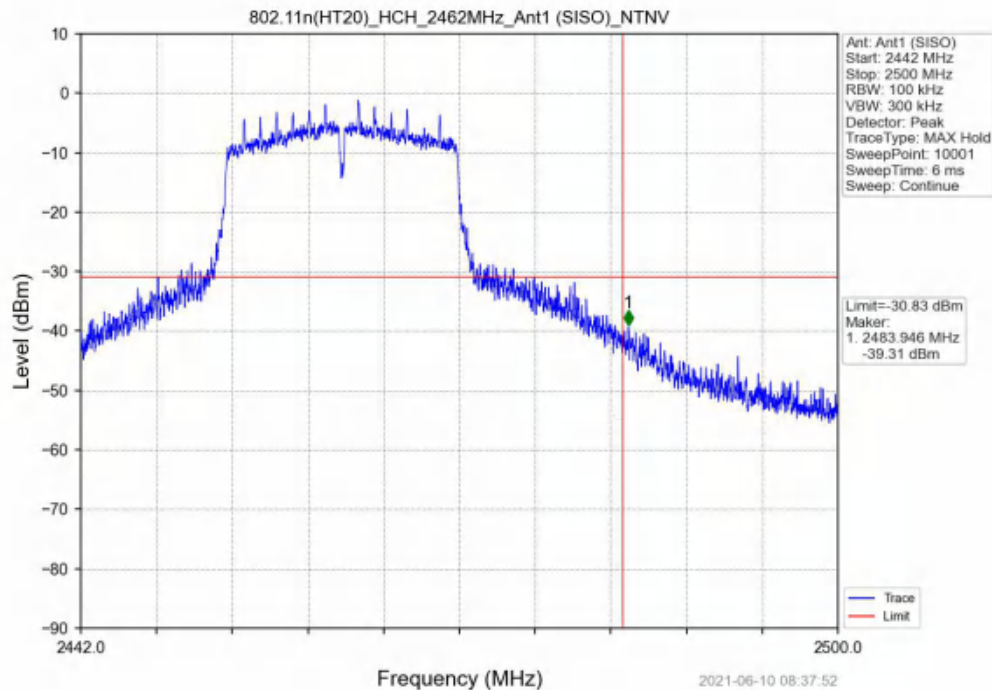
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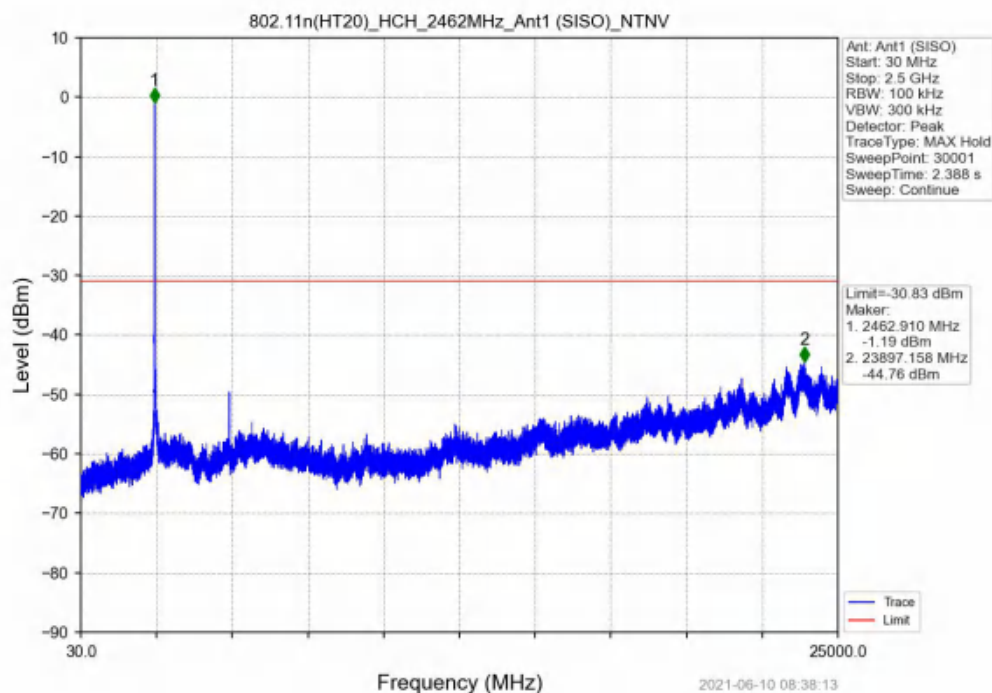
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802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



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