

## Appendix Test Data

Report No.:	18220WC10101001	Test Date:	2021.6.2
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	22.3°C	Relative Humidity:	55 %
Pressure:	1012 hPa		

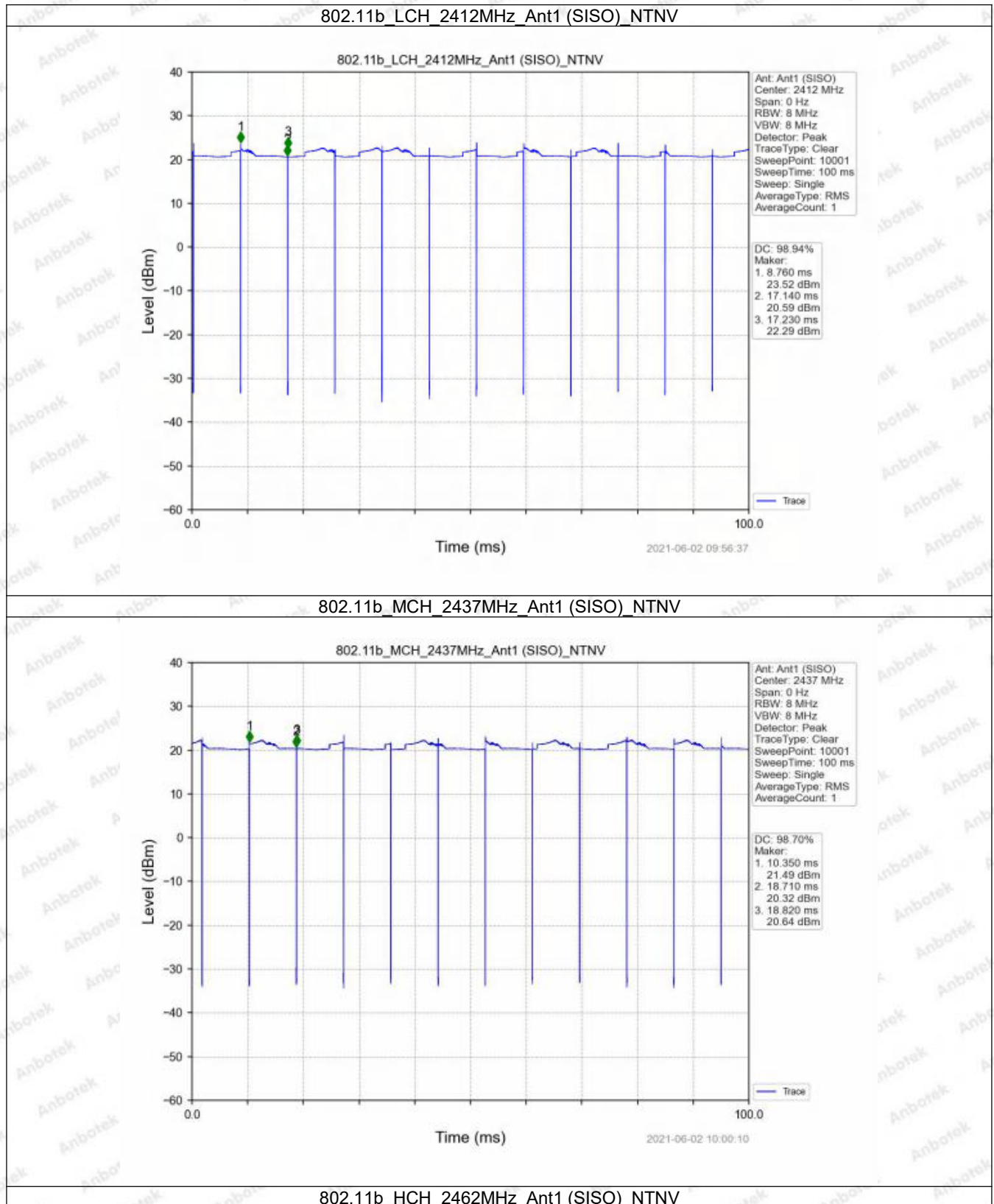
### 1. Duty Cycle

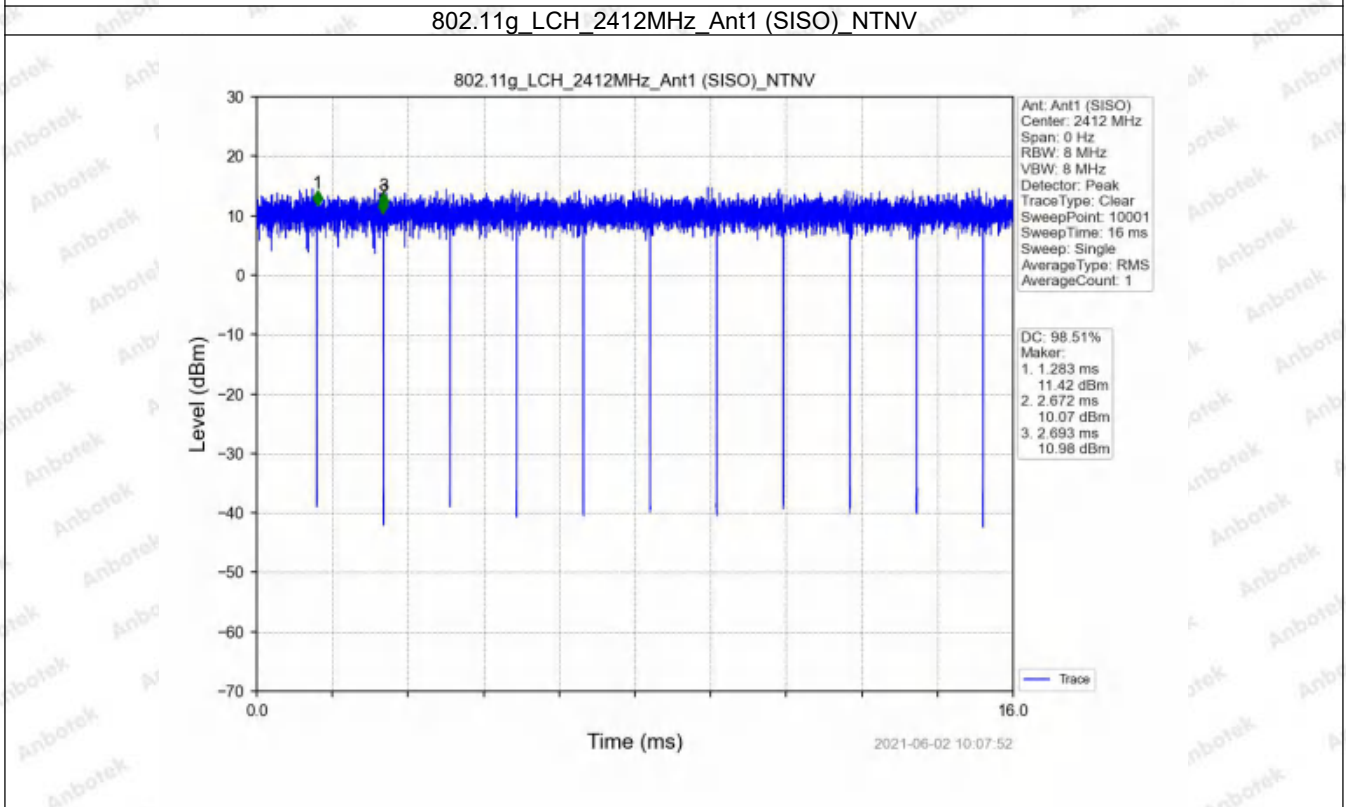
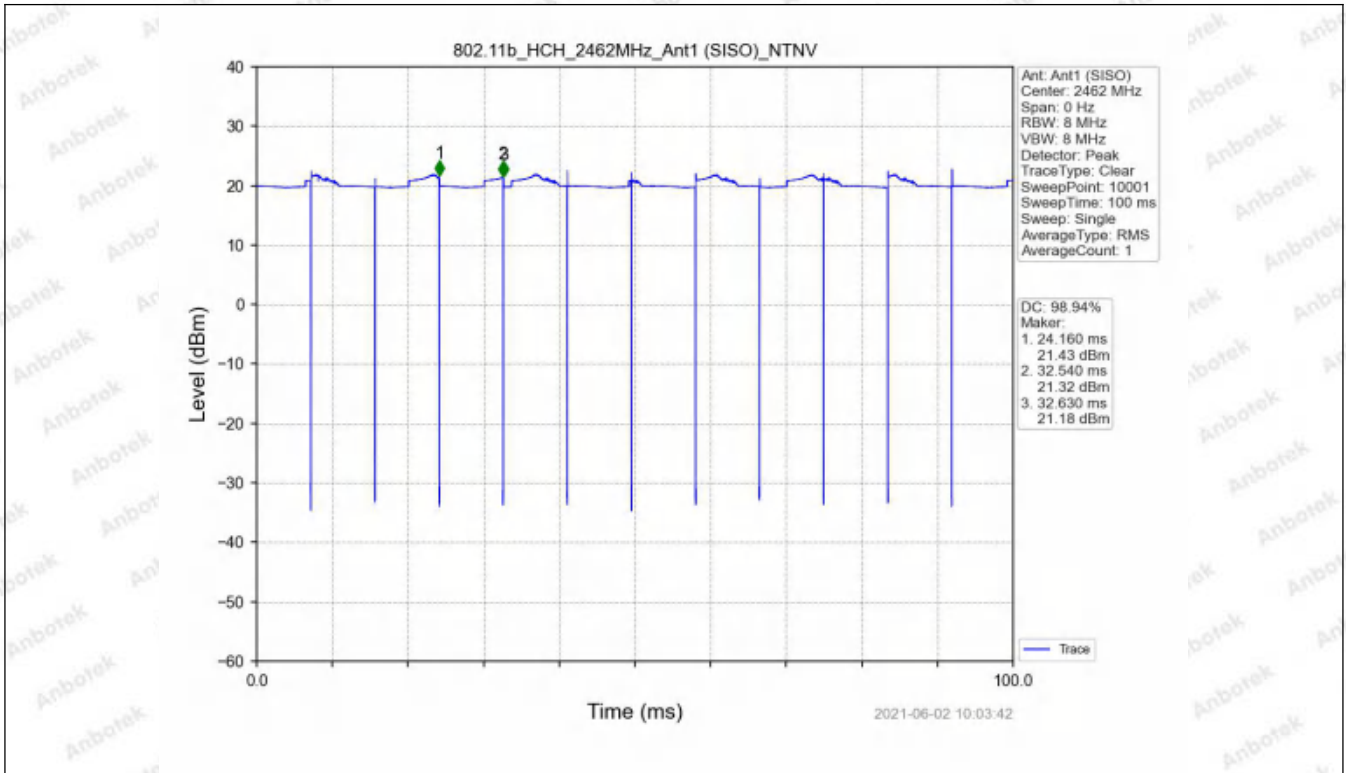
#### 1.1 Ant1

##### 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	0.12
802.11g	SISO	2412	/	/	1.39	1.41	98.51	0.07	0.00
		2437	/	/	1.39	1.41	98.51	0.07	0.11
		2462	/	/	1.39	1.41	98.51	0.07	0.10
802.11n (HT20)	SISO	2412	/	/	1.30	1.32	98.56	0.06	0.00
		2437	/	/	1.30	1.32	98.41	0.07	0.12
		2462	/	/	1.30	1.32	98.41	0.07	0.00
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

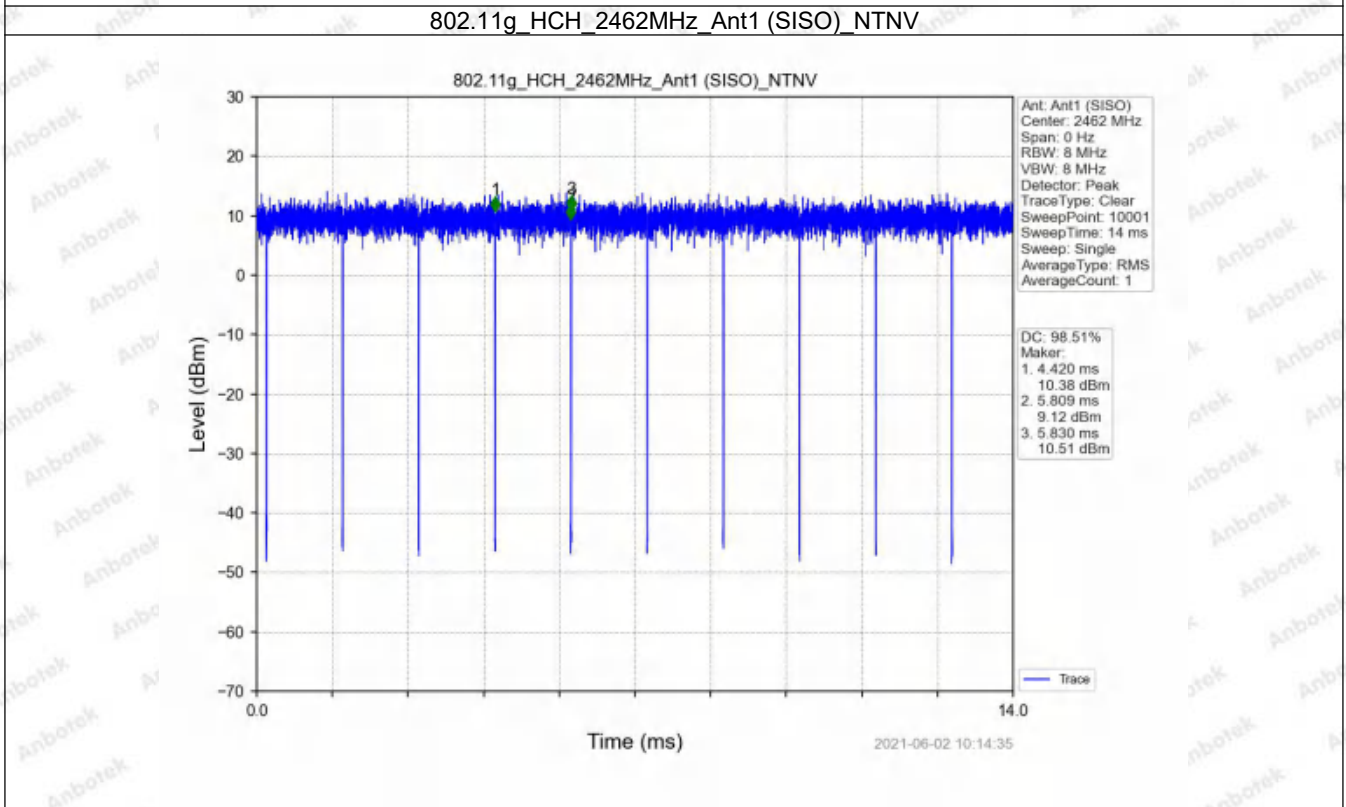
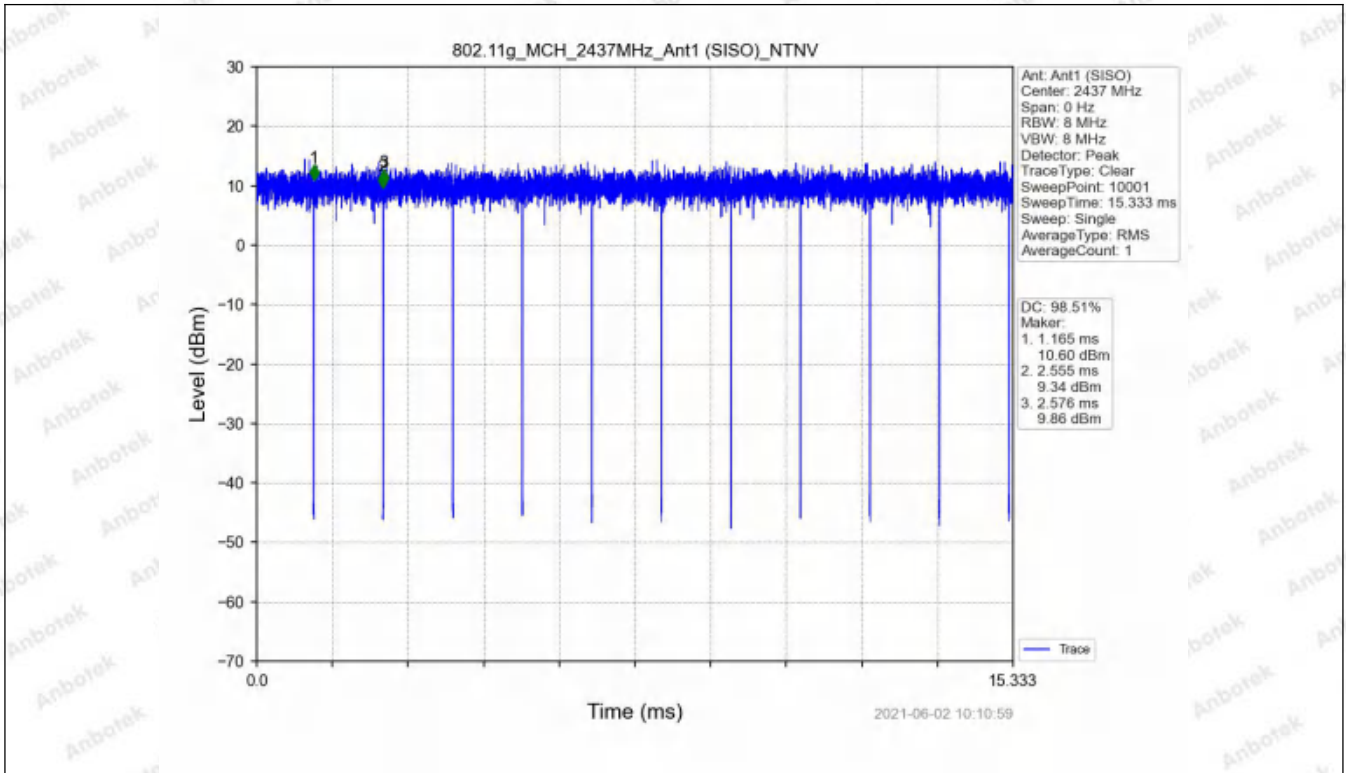
## 1.1.2 Test Graph



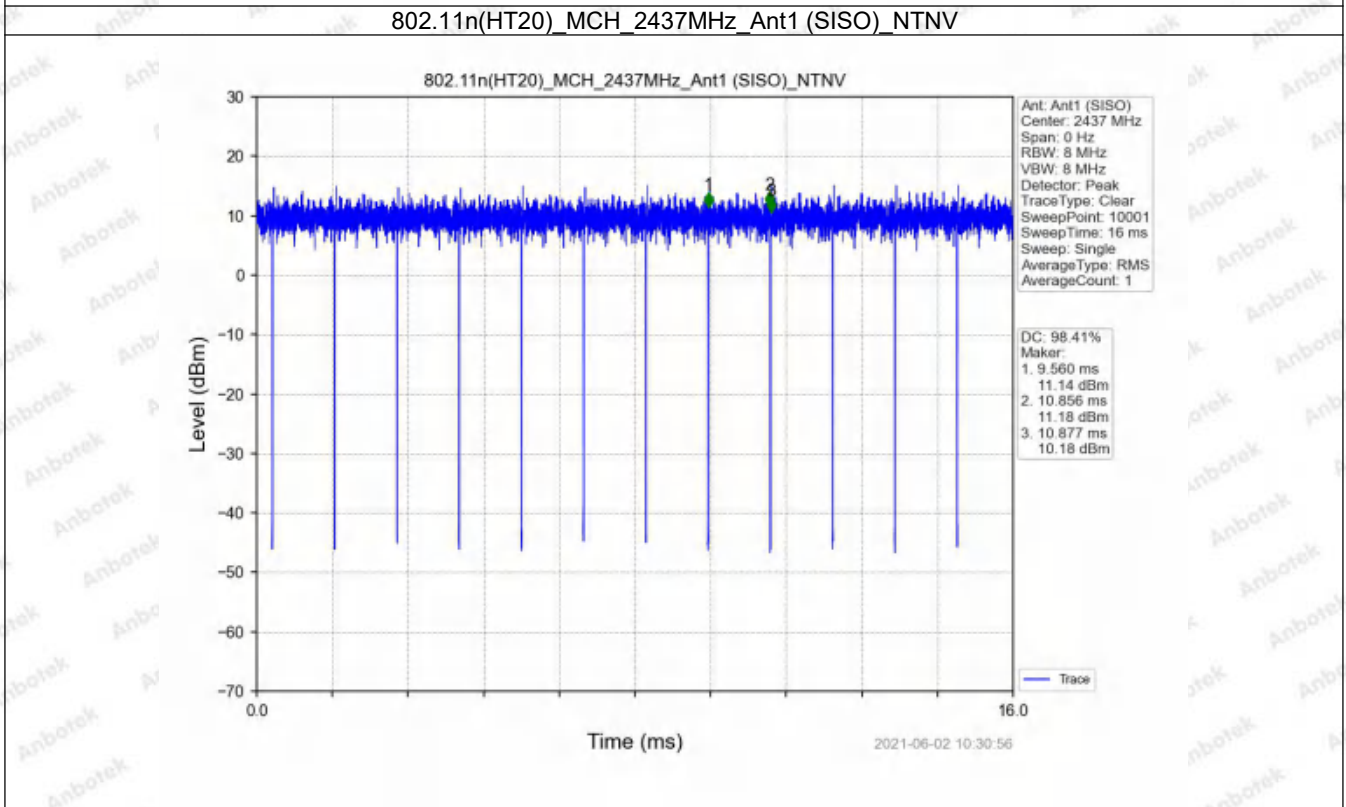
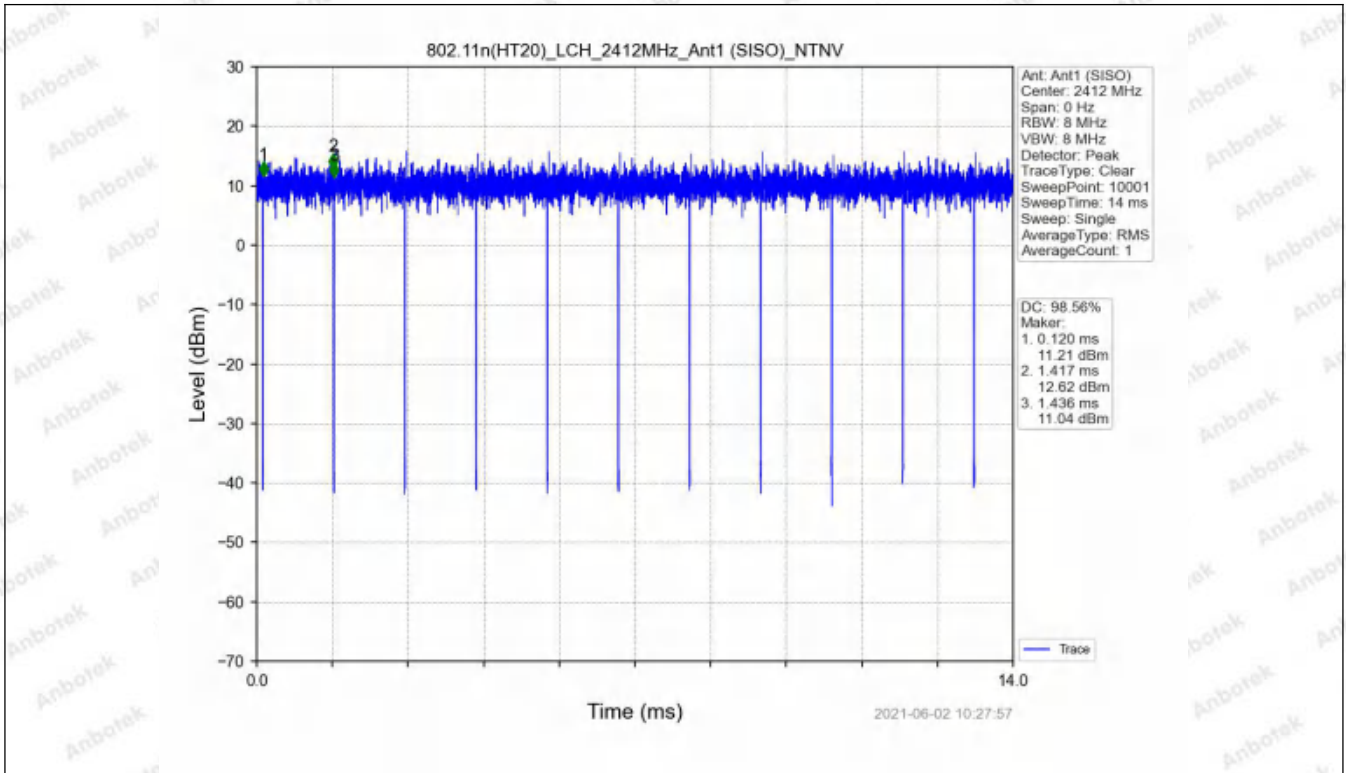


802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV

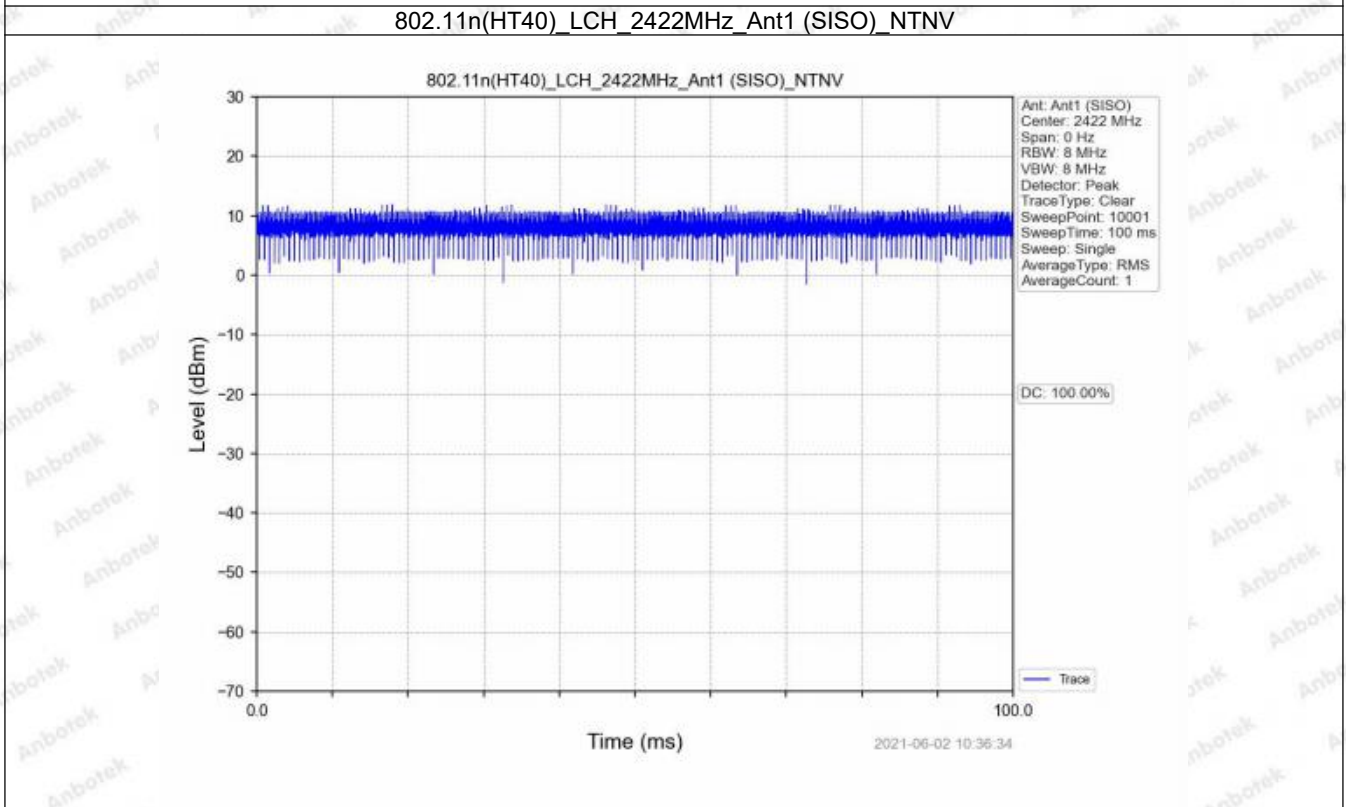
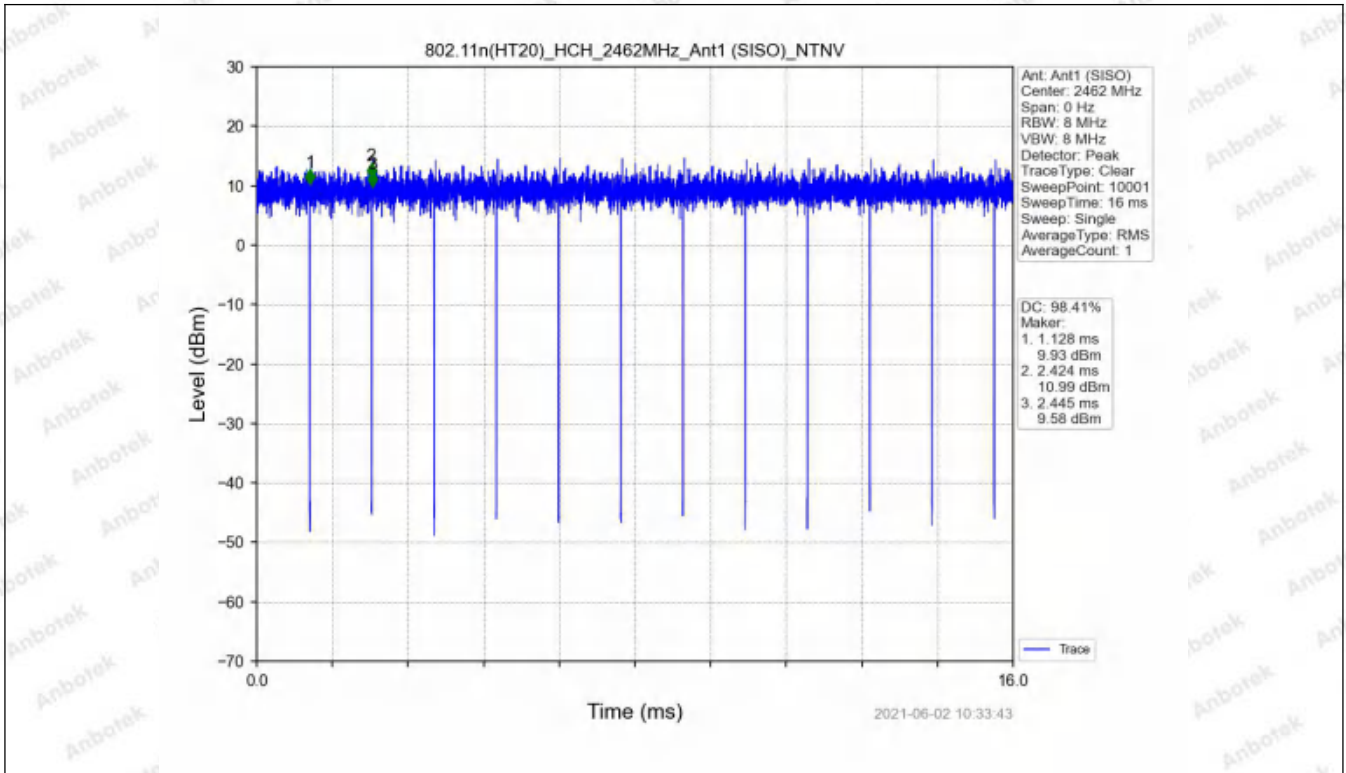




802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV

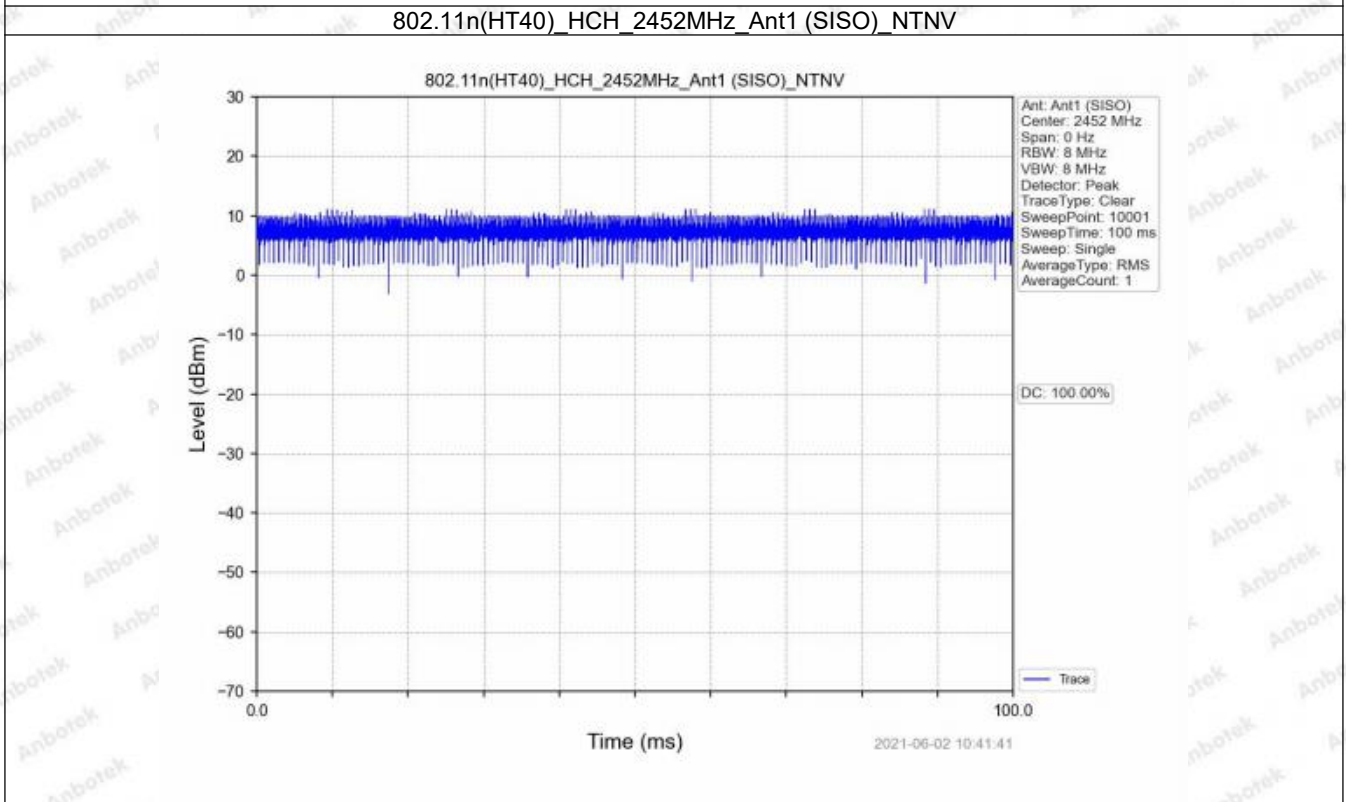
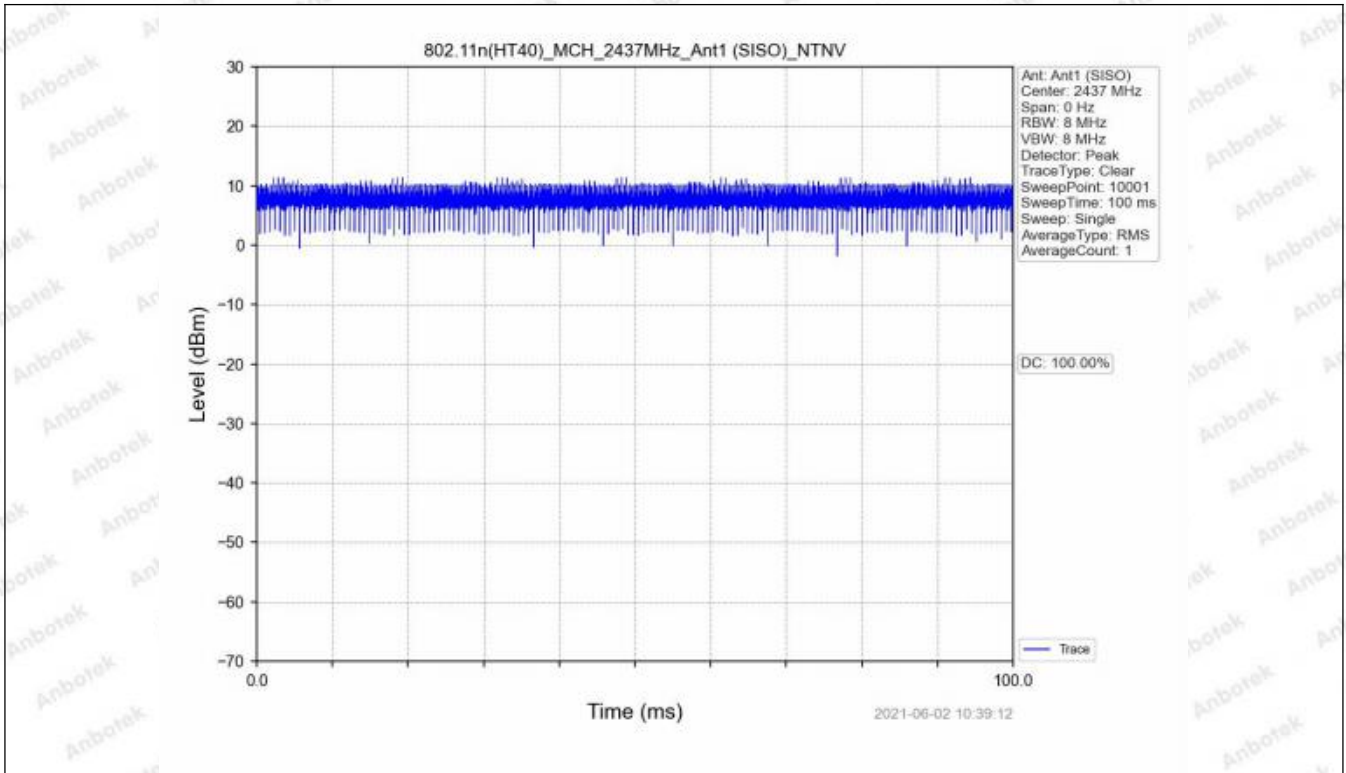


802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



802.11n(HT40)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV





## 2. Bandwidth

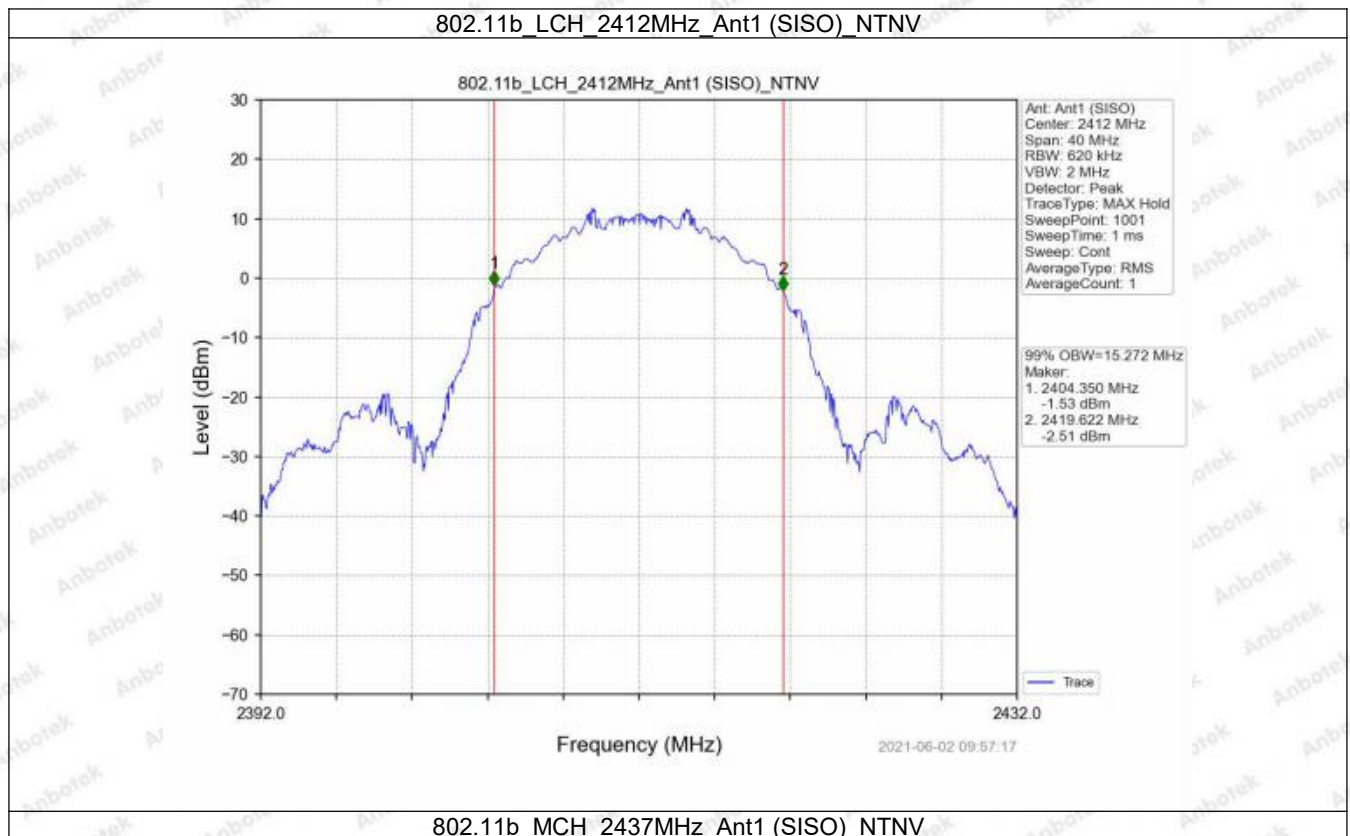
### 2.1 OBW

#### 2.1.1 Test Result

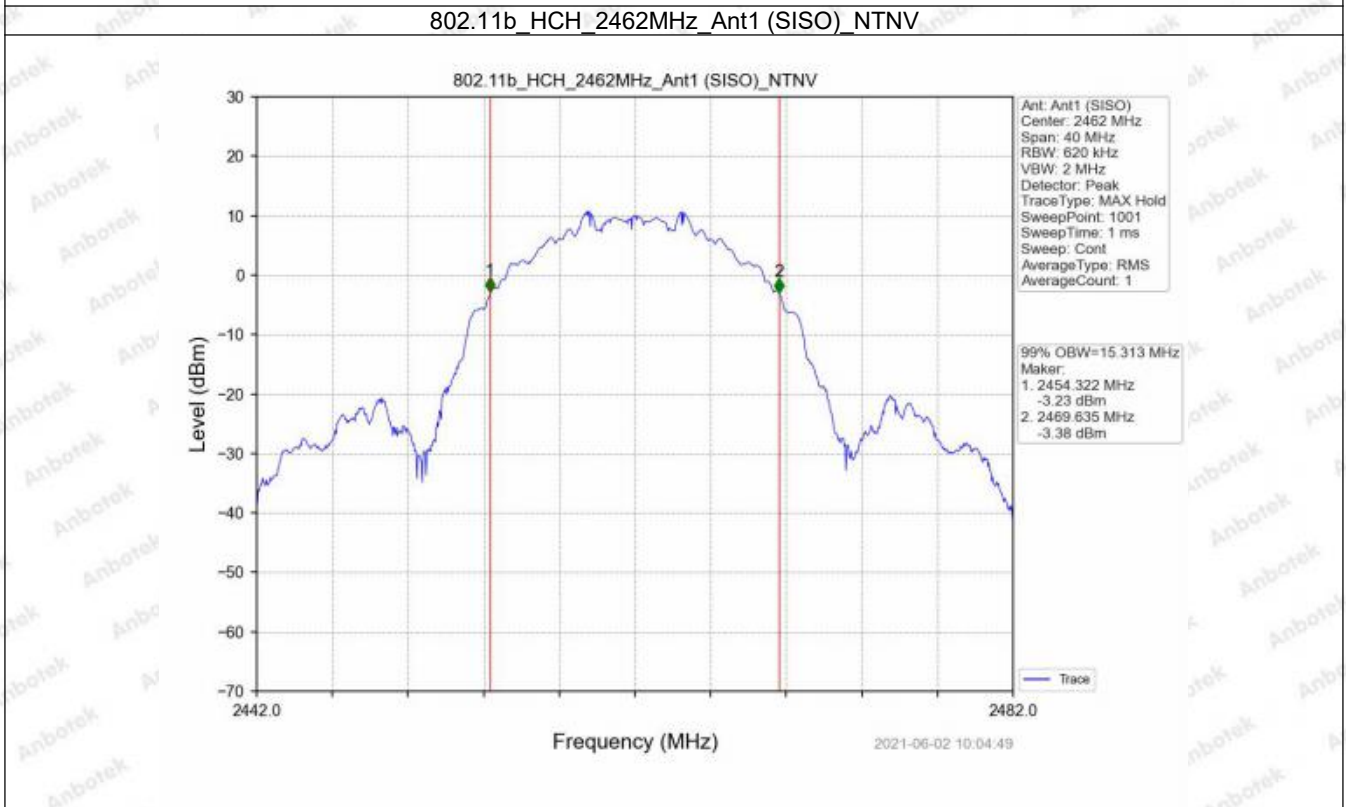
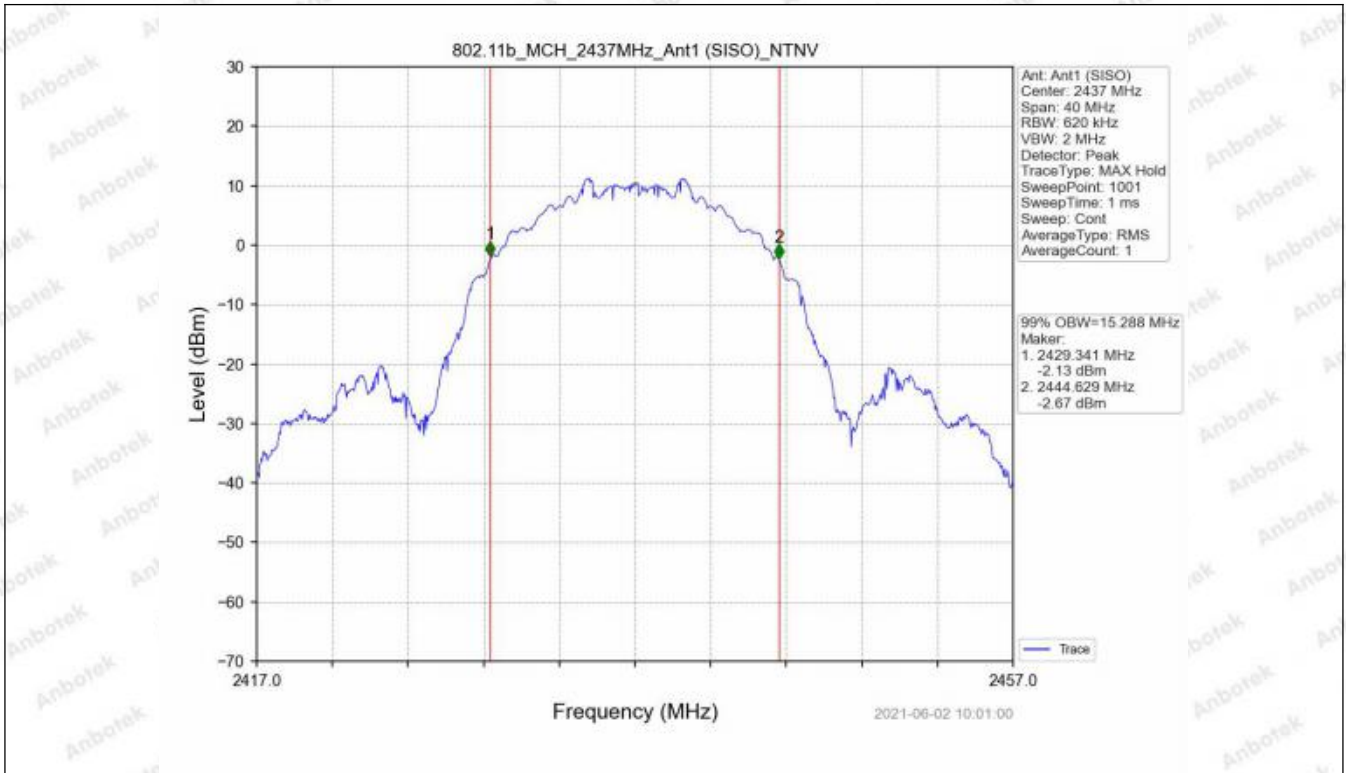
Mode	TX Type	Frequency (MHz)	RU	RU Pos	99% Occupied Bandwidth (MHz)	Limit (MHz)	Verdict
					Ant1		
802.11b	SISO	2412	/	/	15.272	/	Note1
		2437	/	/	15.288	/	Note1
		2462	/	/	15.313	/	Note1
802.11g	SISO	2412	/	/	17.553	/	Note1
		2437	/	/	17.549	/	Note1
		2462	/	/	17.552	/	Note1
802.11n (HT20)	SISO	2412	/	/	18.438	/	Note1
		2437	/	/	18.429	/	Note1
		2462	/	/	18.434	/	Note1
802.11n (HT40)	SISO	2422	/	/	35.764	/	Note1
		2437	/	/	35.764	/	Note1
		2452	/	/	35.759	/	Note1

Note1: Only for Report Use

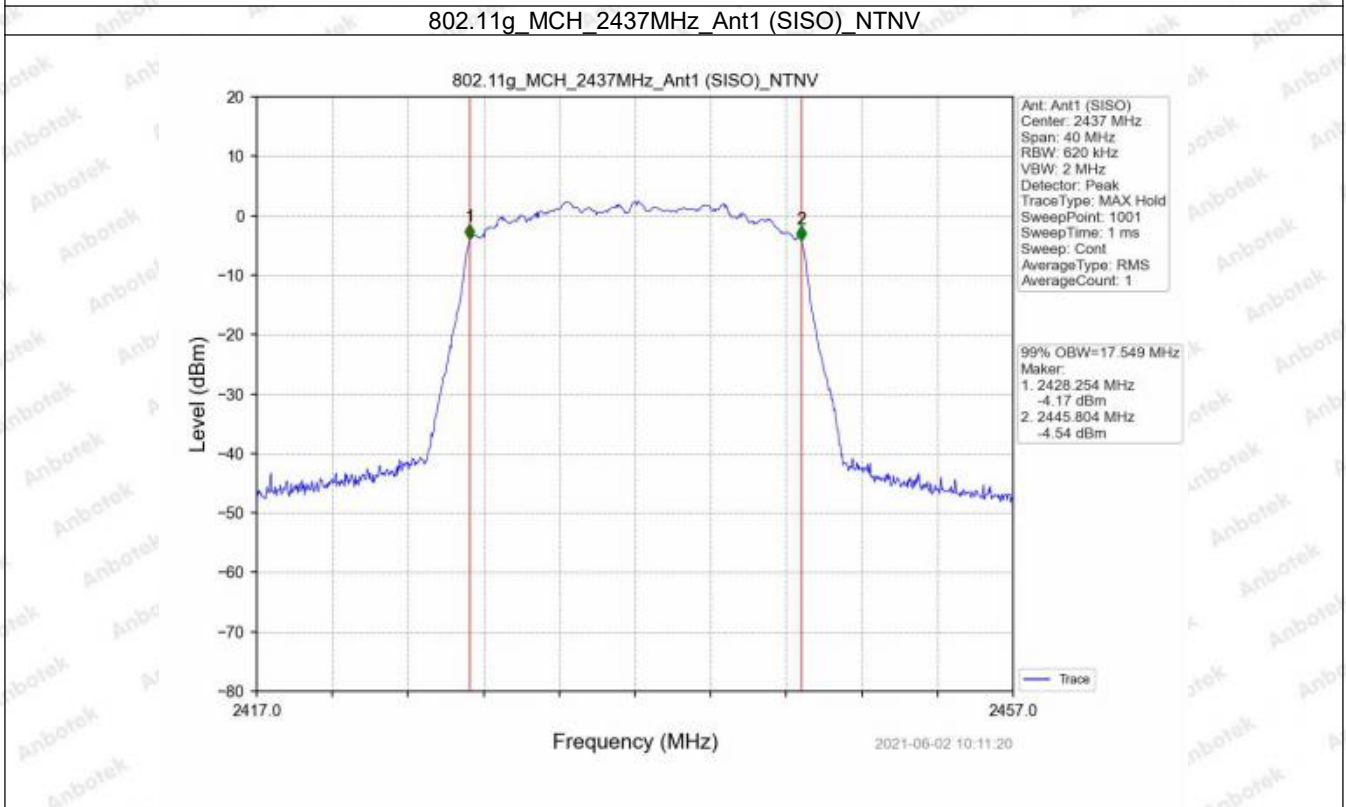
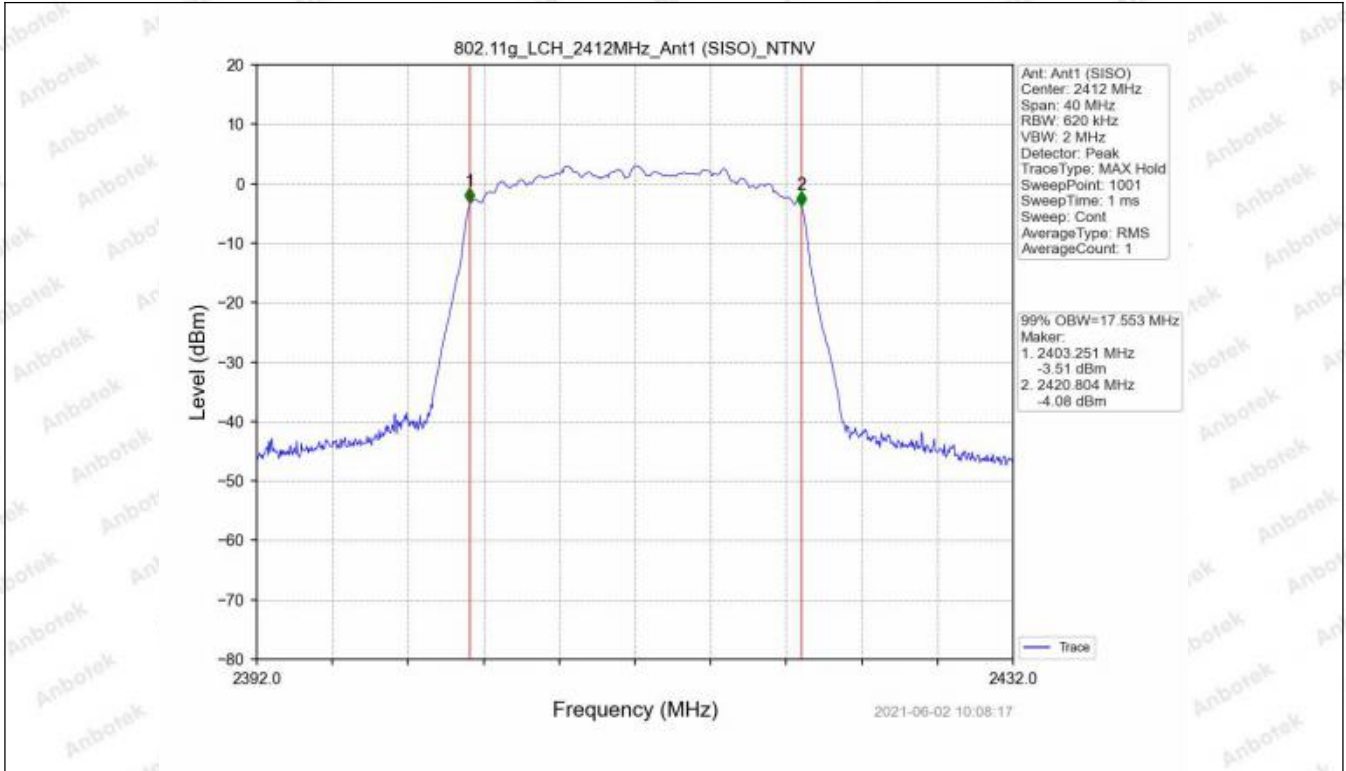
#### 2.1.2 Test Graph



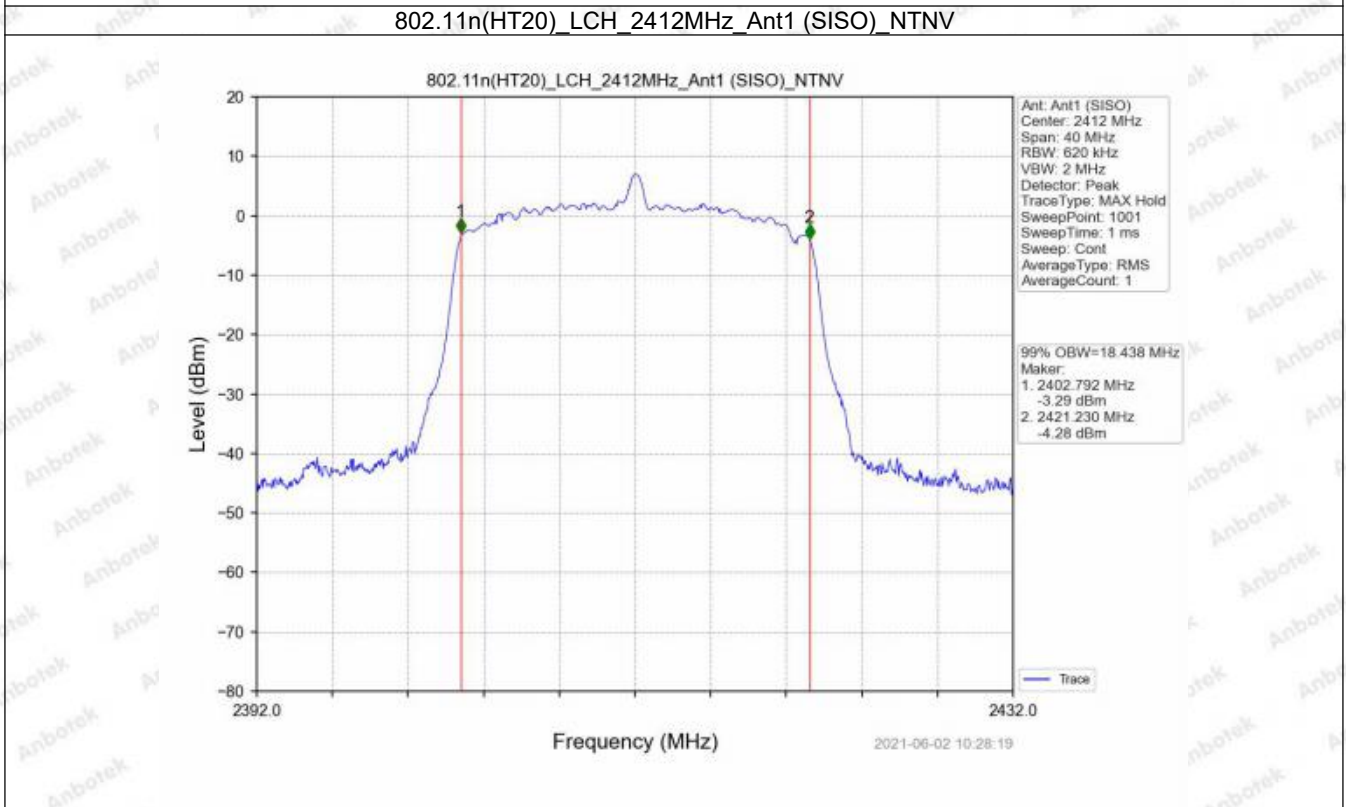
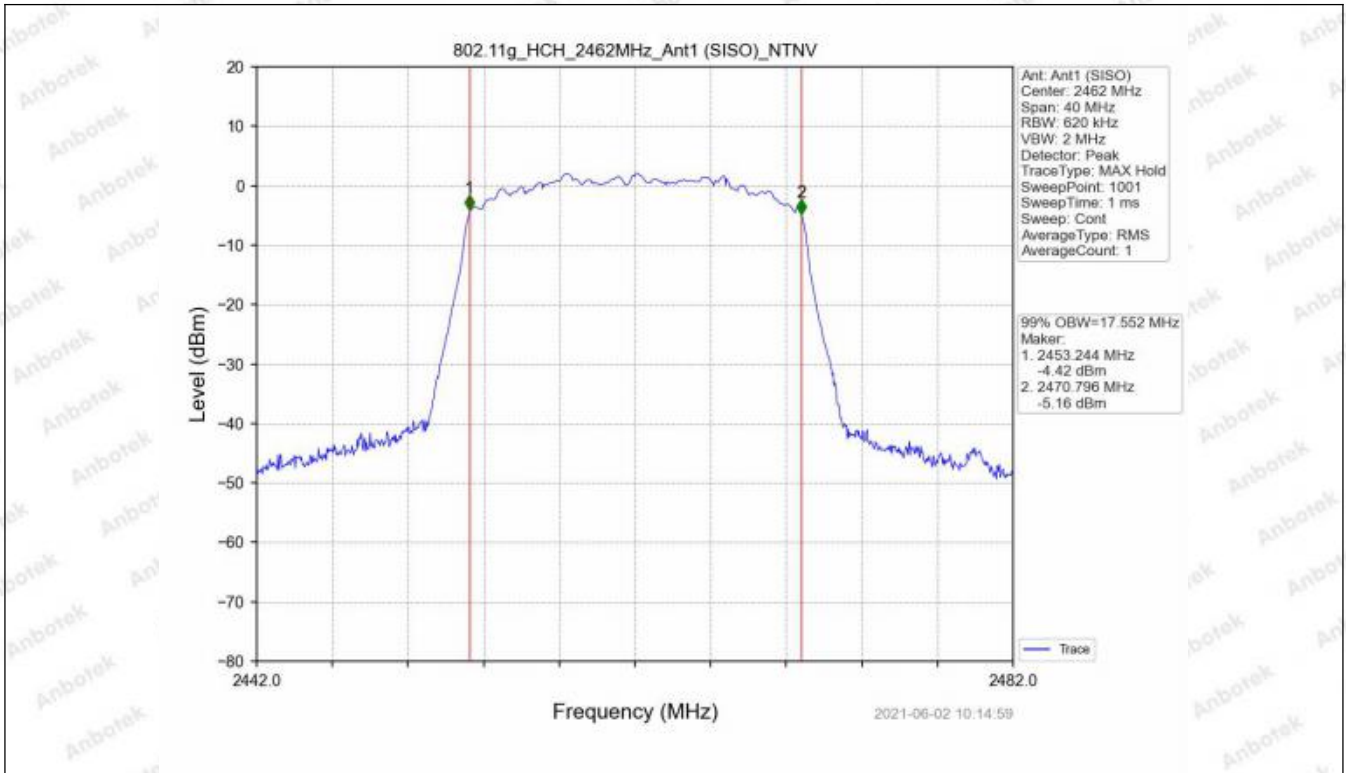




802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV

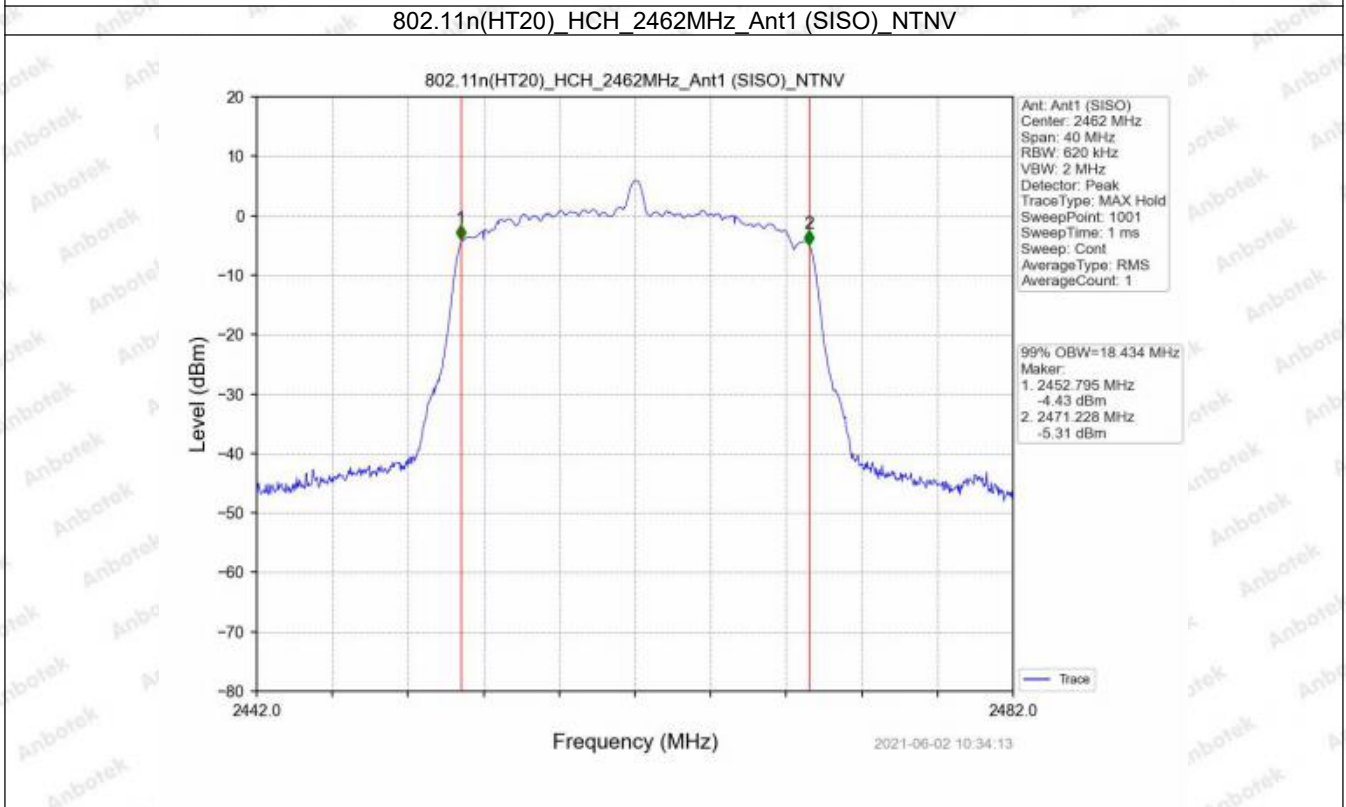
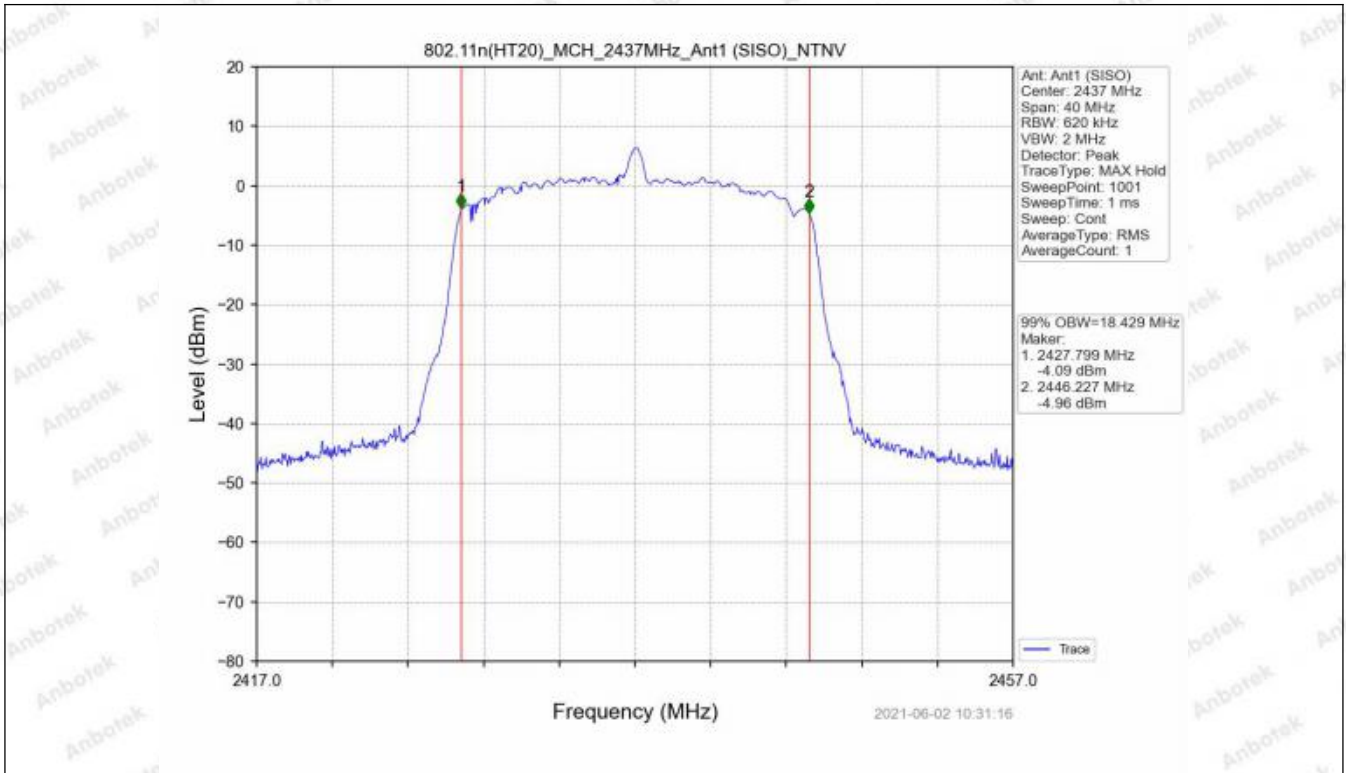


### 802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

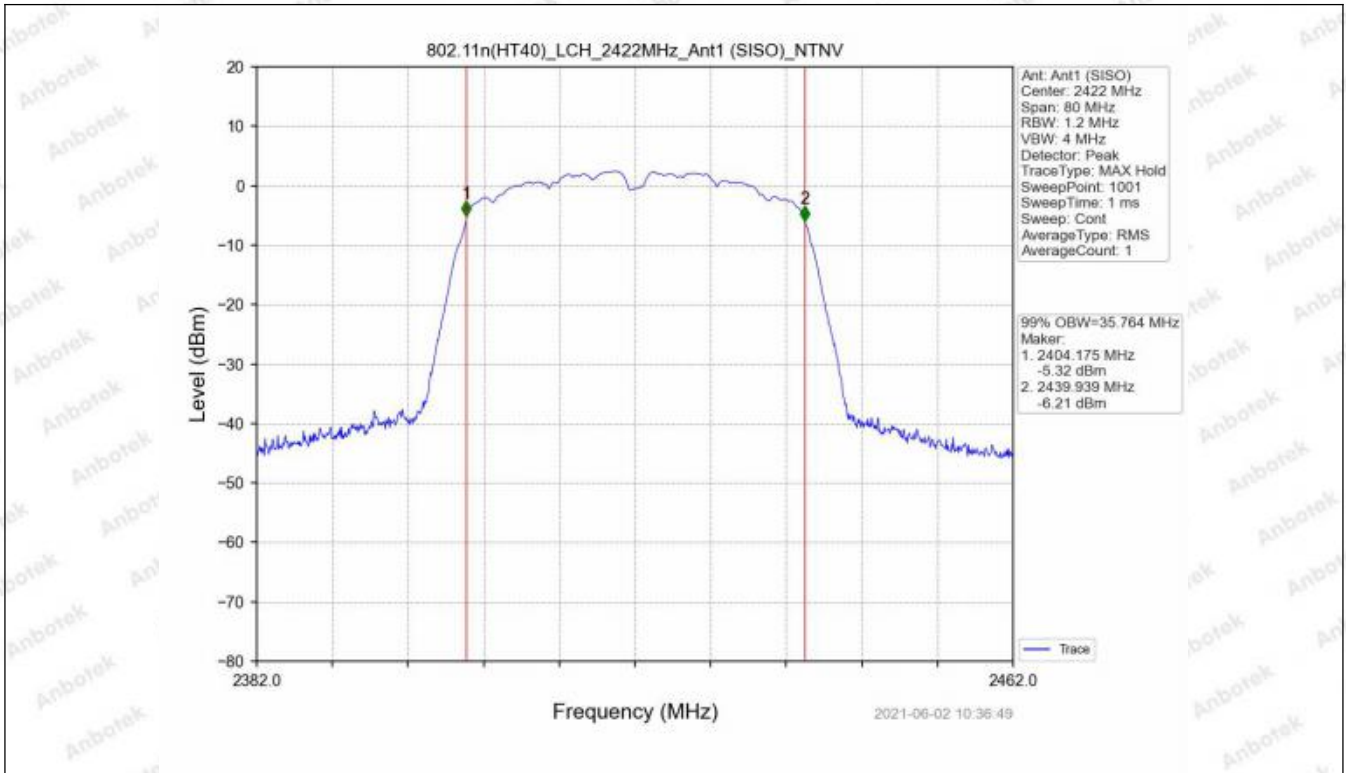


802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV

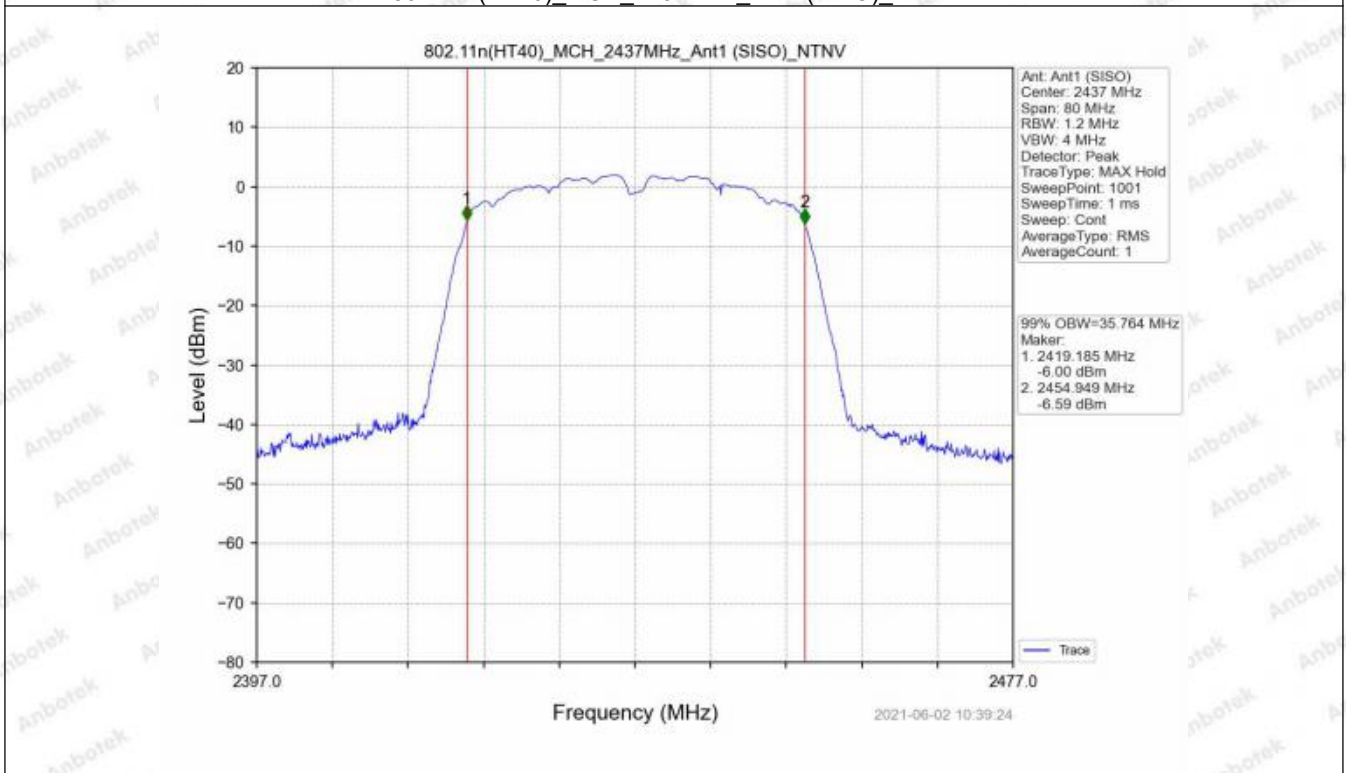




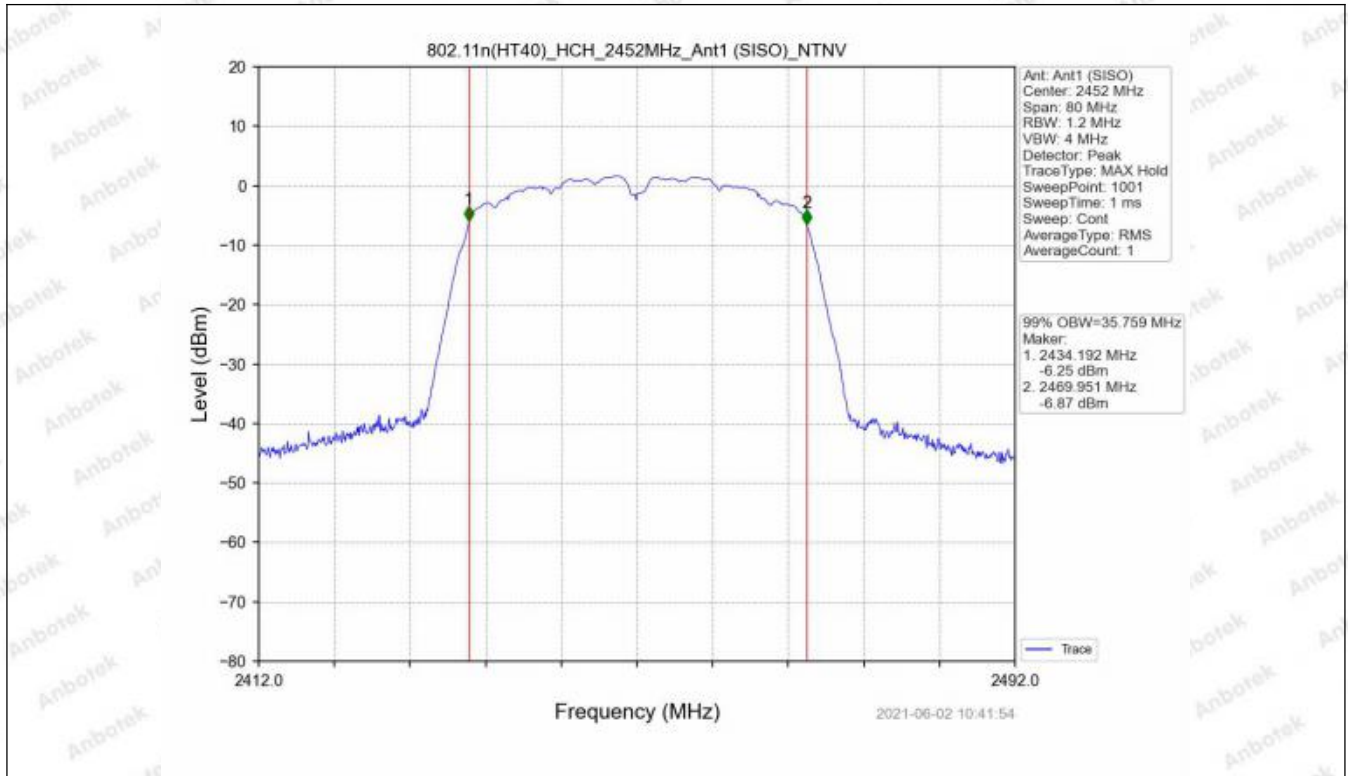
802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



802.11n(HT40)\_MCH\_2437MHz\_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

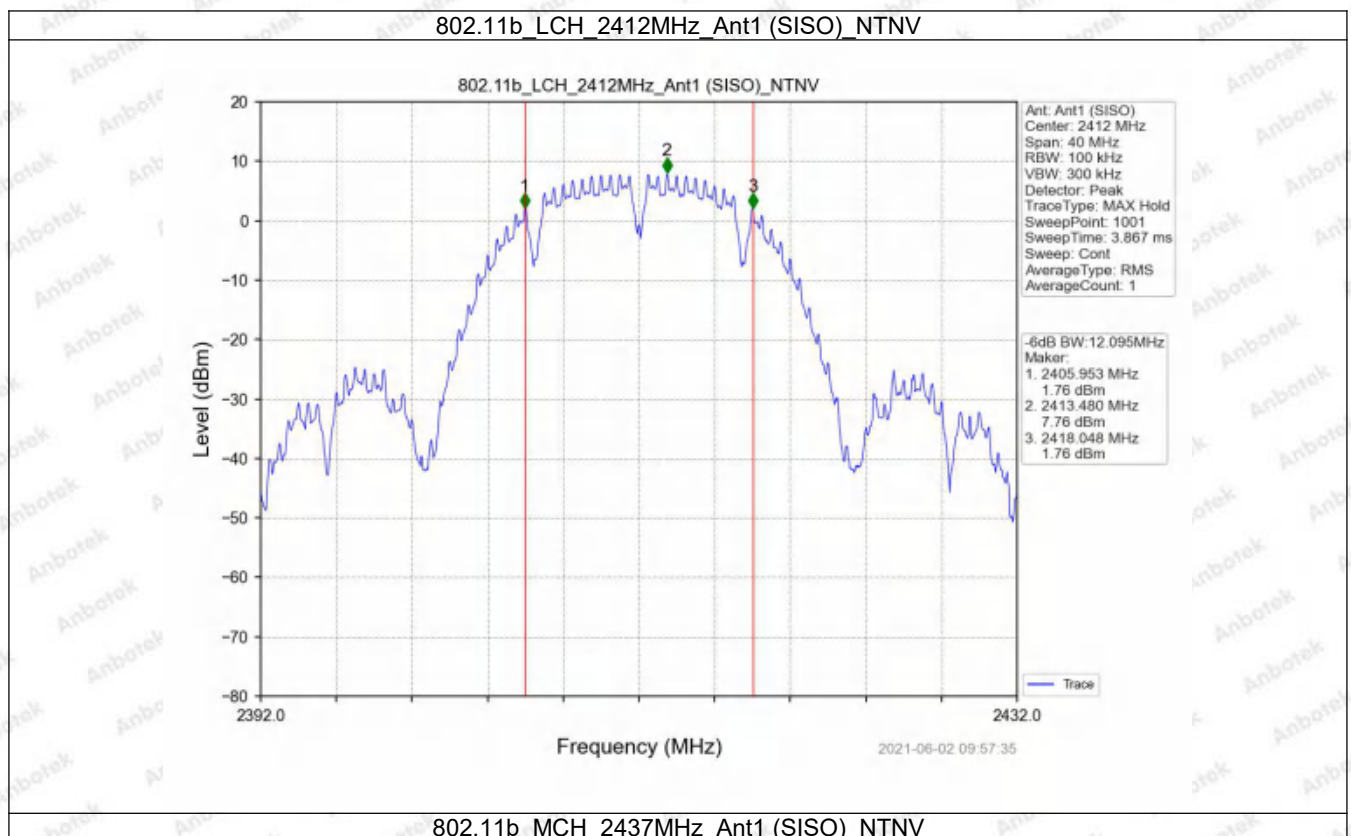


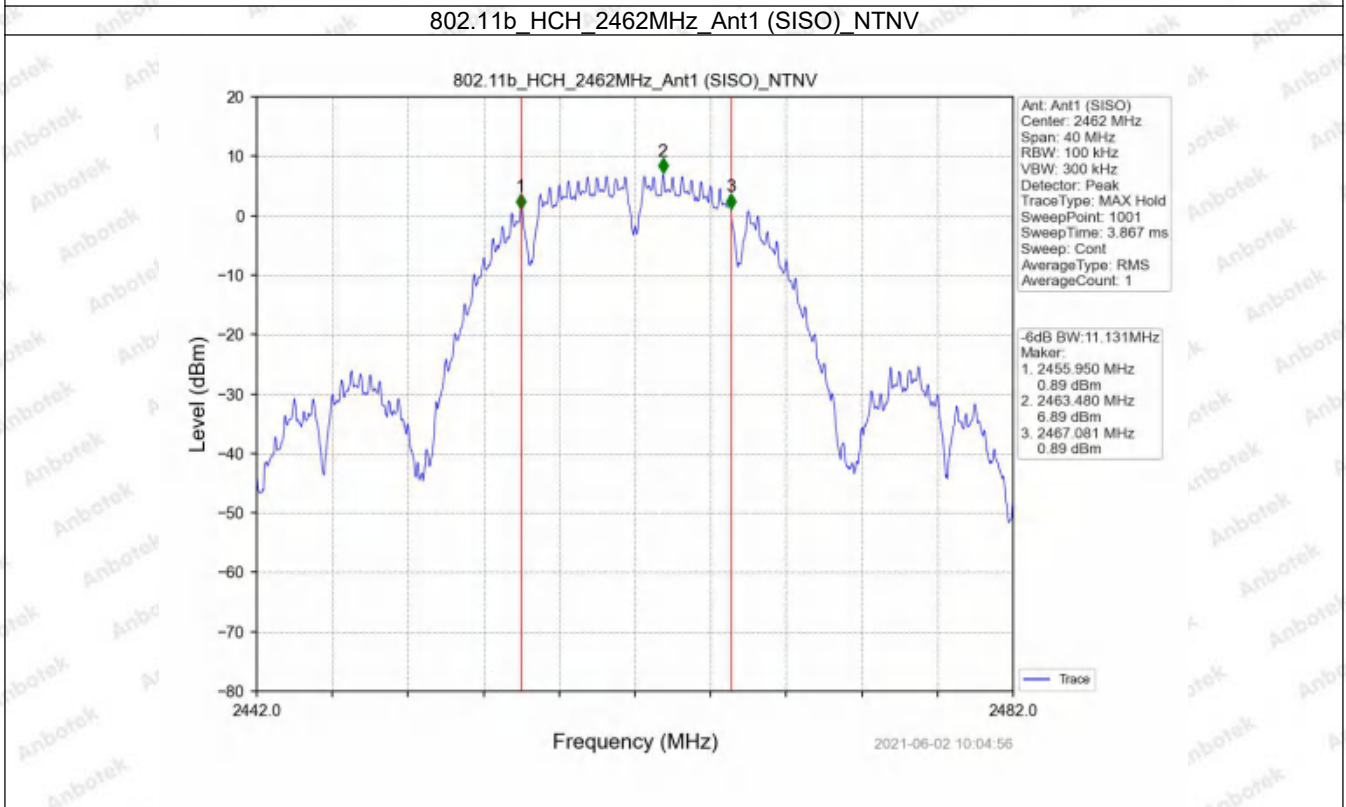
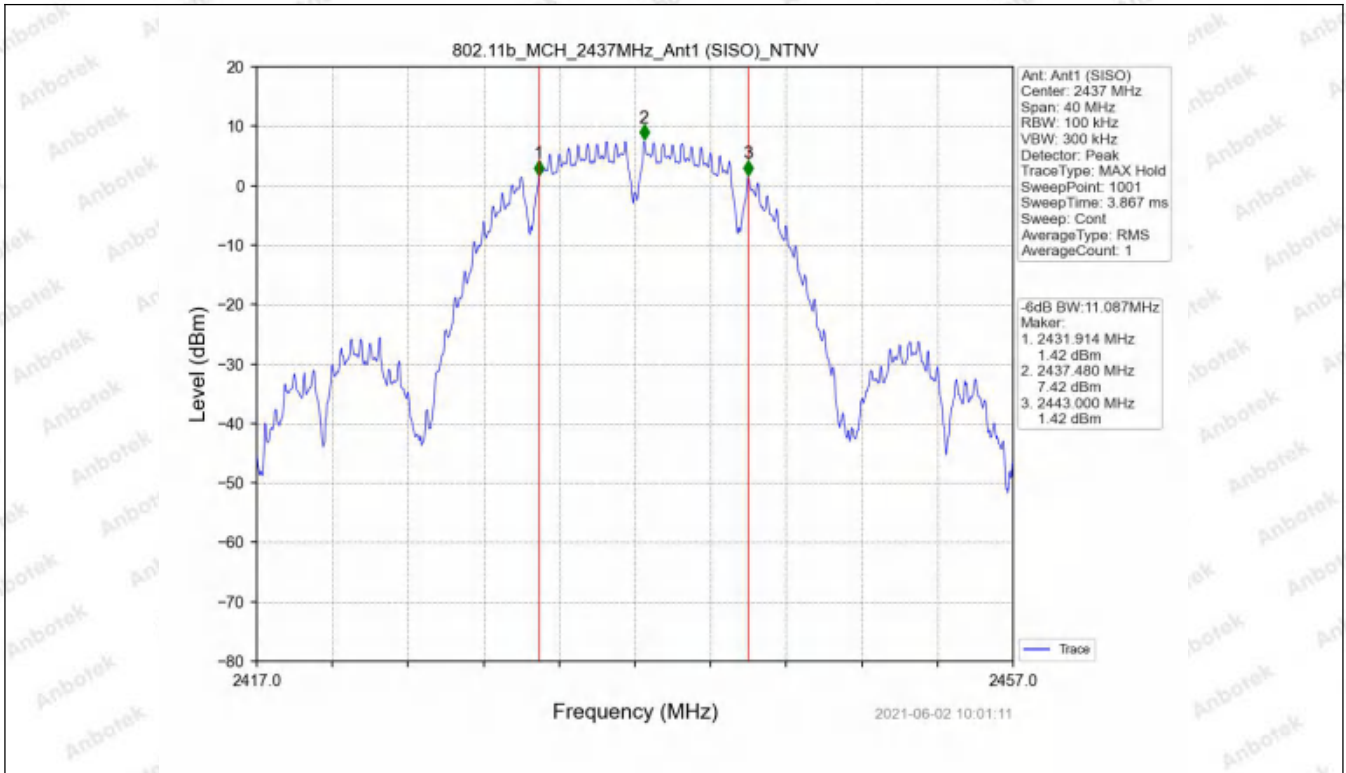
## 2.2 XDB

### 2.2.1 Test Result

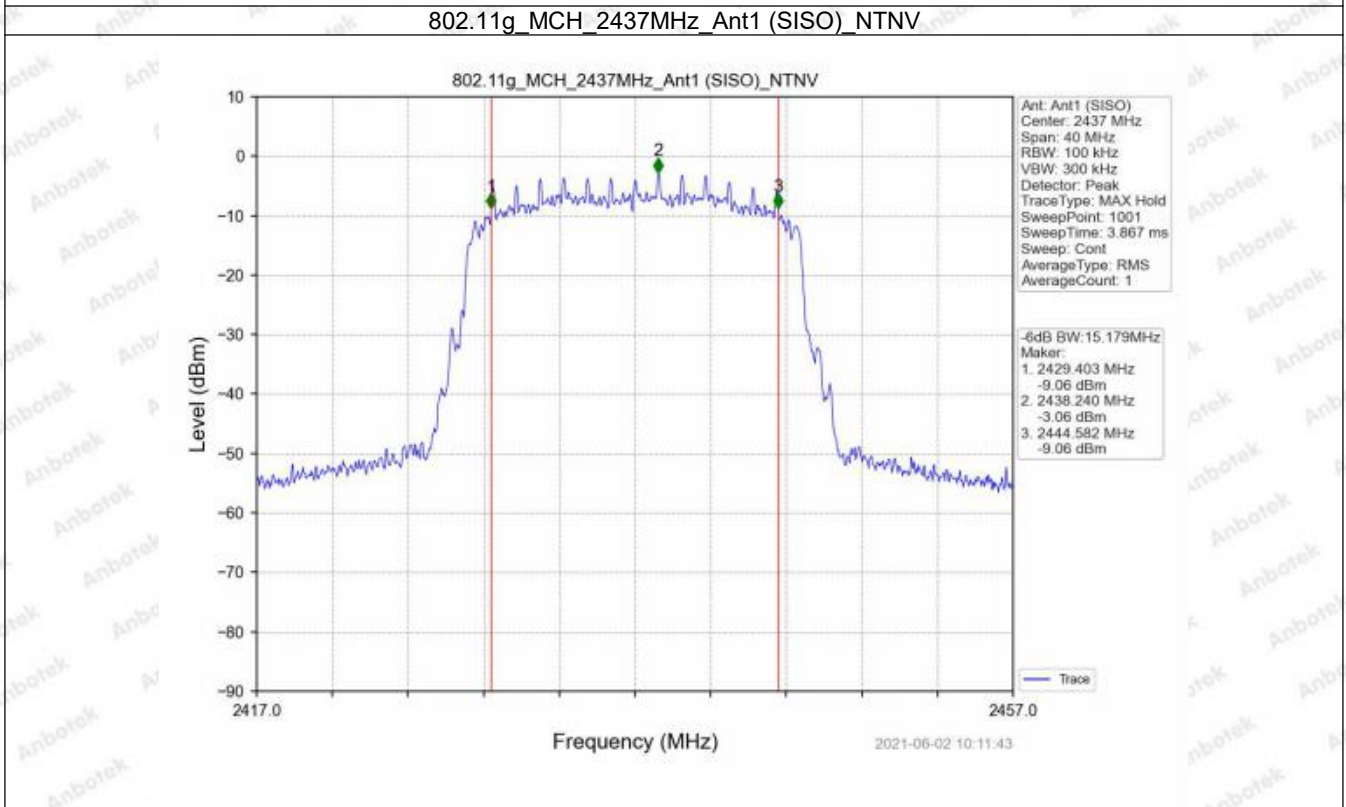
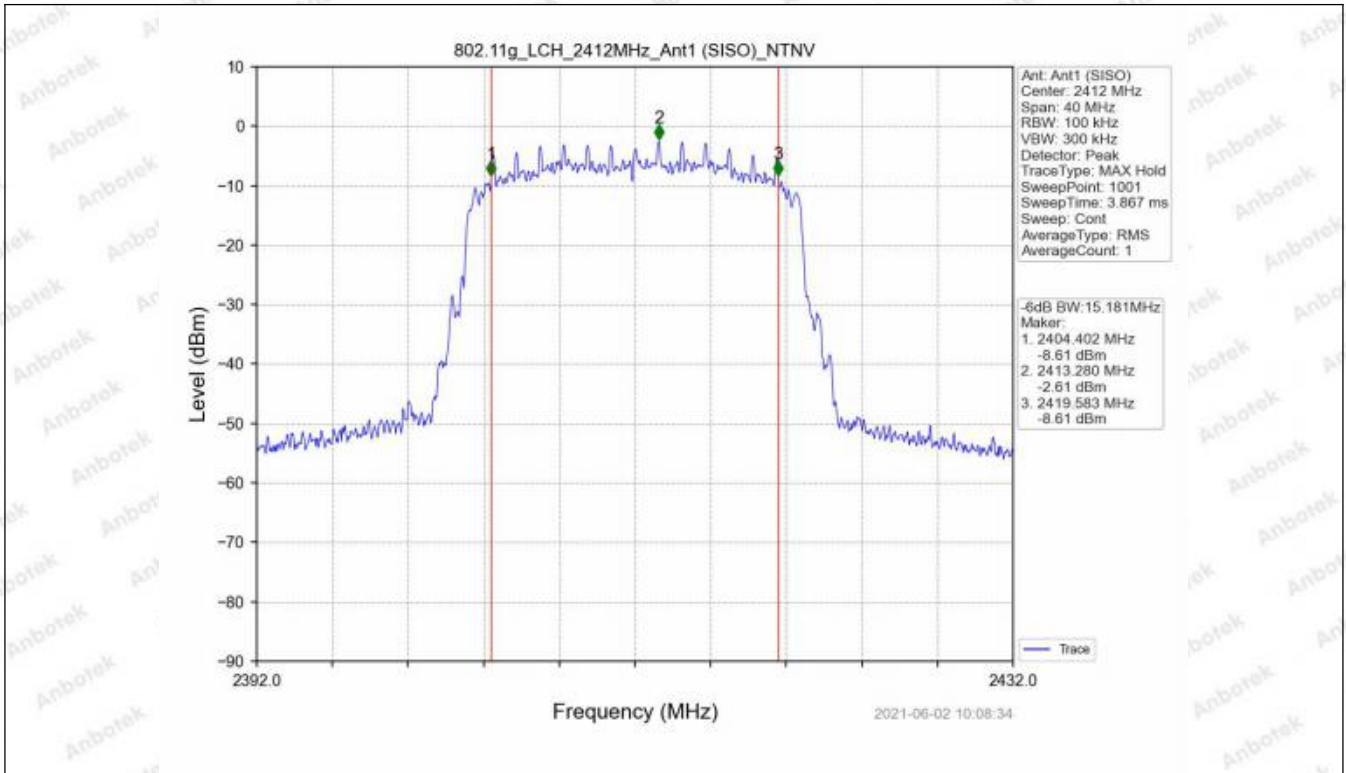
Mode	TX Type	Frequency (MHz)	RU	RU Pos	6dB Bandwidth (MHz)	Limit (MHz)	Verdict
					Ant1		
802.11b	SISO	2412	/	/	12.095	>=0.5	Pass
		2437	/	/	11.087	>=0.5	Pass
		2462	/	/	11.131	>=0.5	Pass
802.11g	SISO	2412	/	/	15.181	>=0.5	Pass
		2437	/	/	15.179	>=0.5	Pass
		2462	/	/	15.179	>=0.5	Pass
802.11n (HT20)	SISO	2412	/	/	15.027	>=0.5	Pass
		2437	/	/	13.829	>=0.5	Pass
		2462	/	/	15.029	>=0.5	Pass
802.11n (HT40)	SISO	2422	/	/	35.109	>=0.5	Pass
		2437	/	/	35.114	>=0.5	Pass
		2452	/	/	35.108	>=0.5	Pass

### 2.2.2 Test Graph



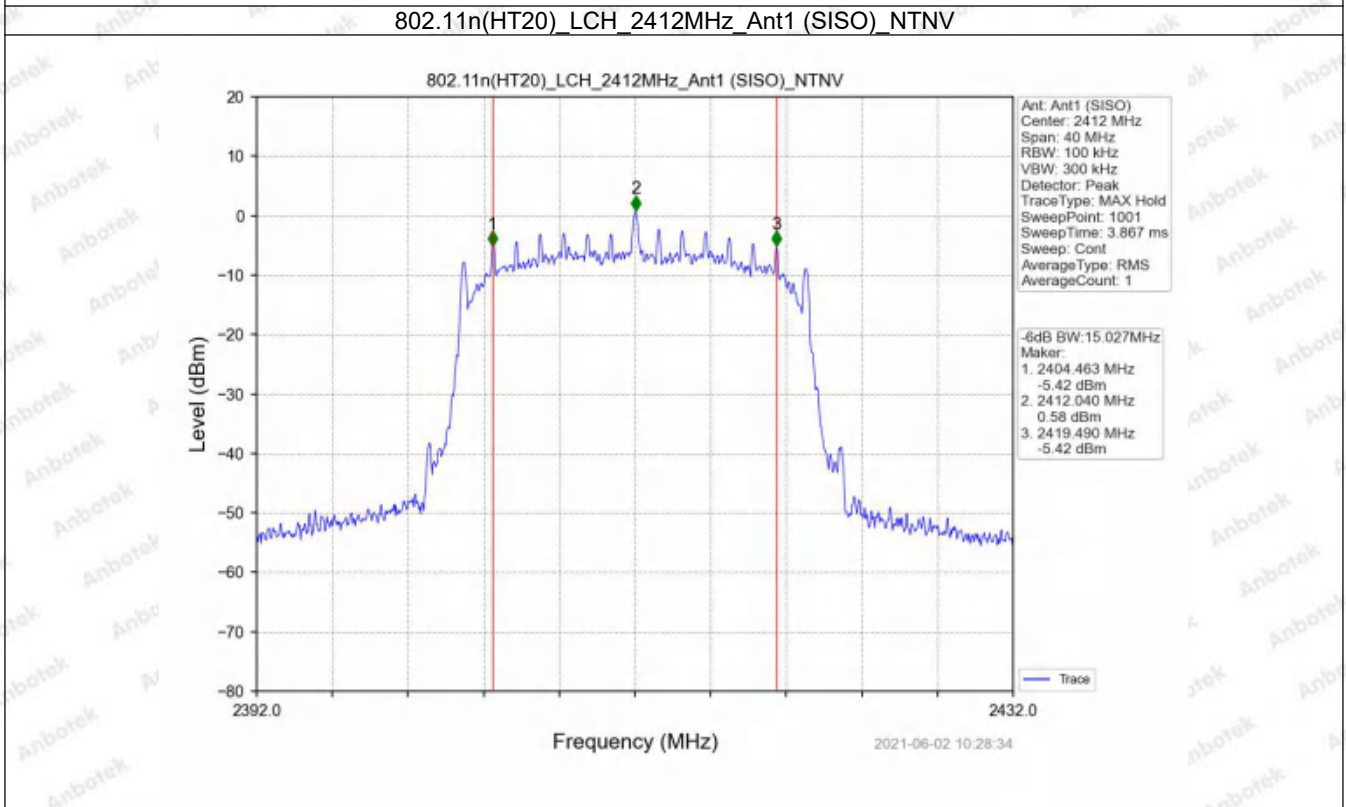
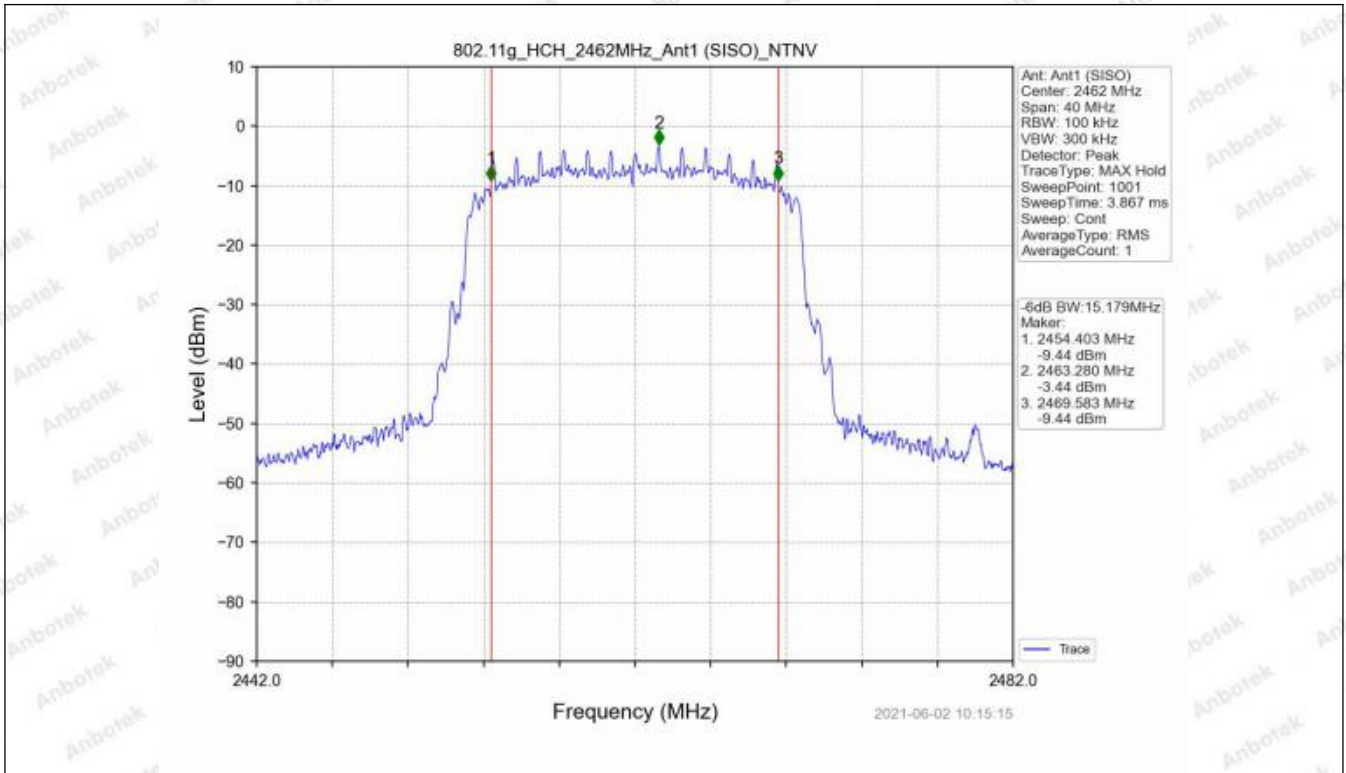


802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV

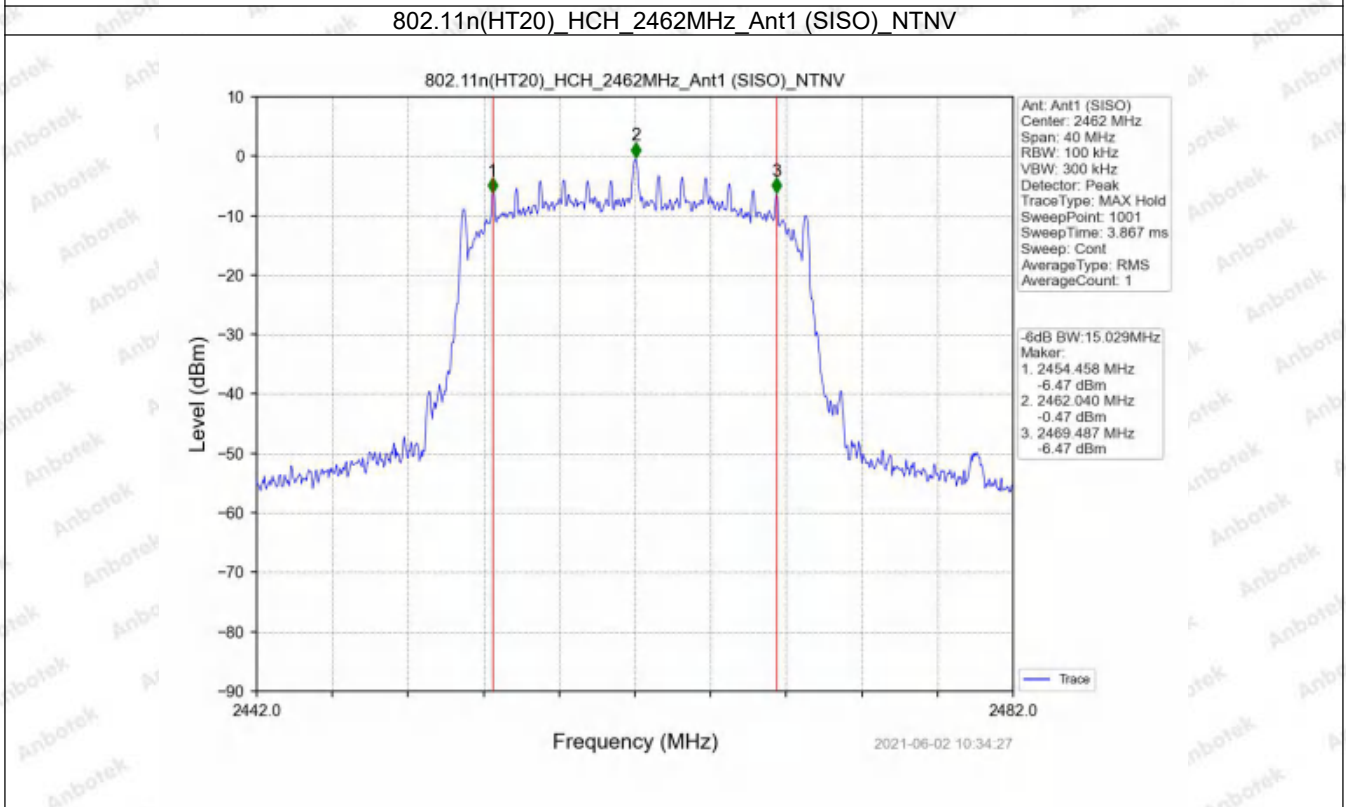
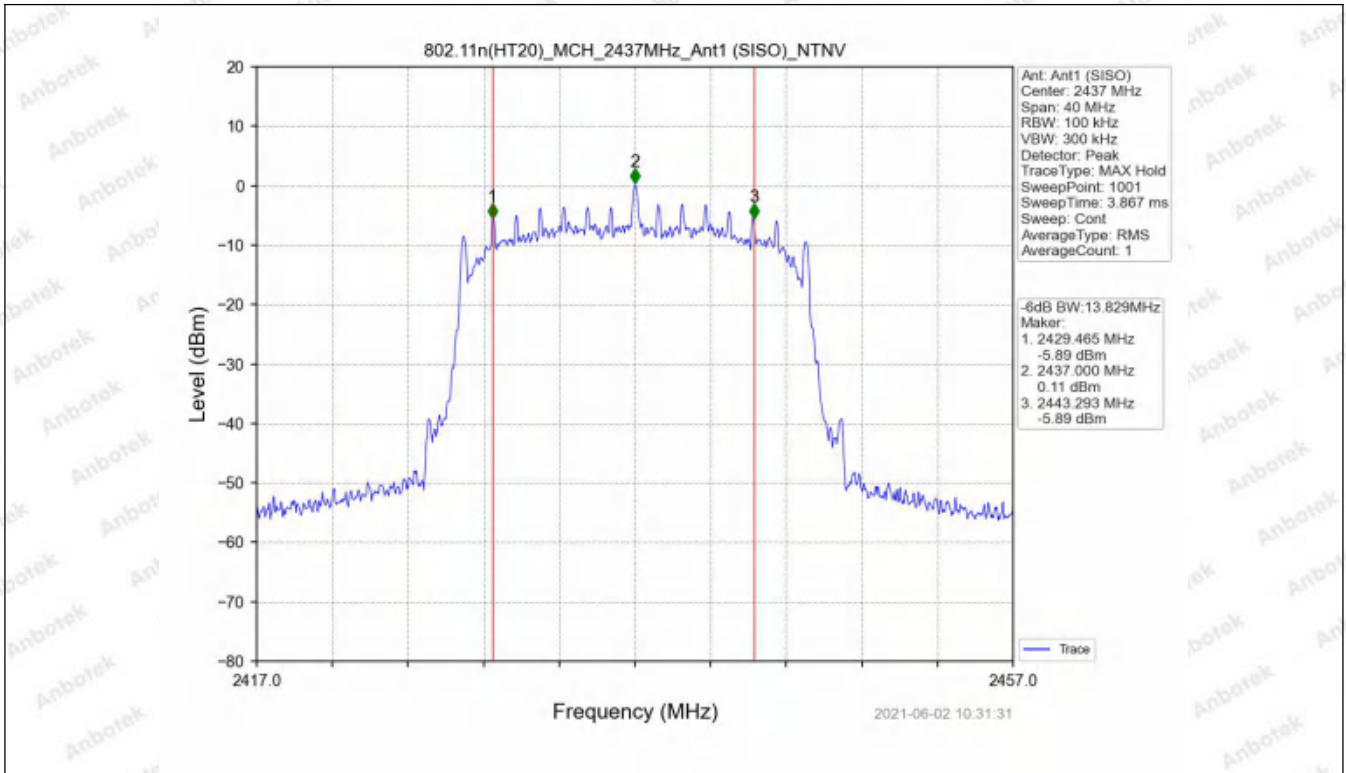


802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

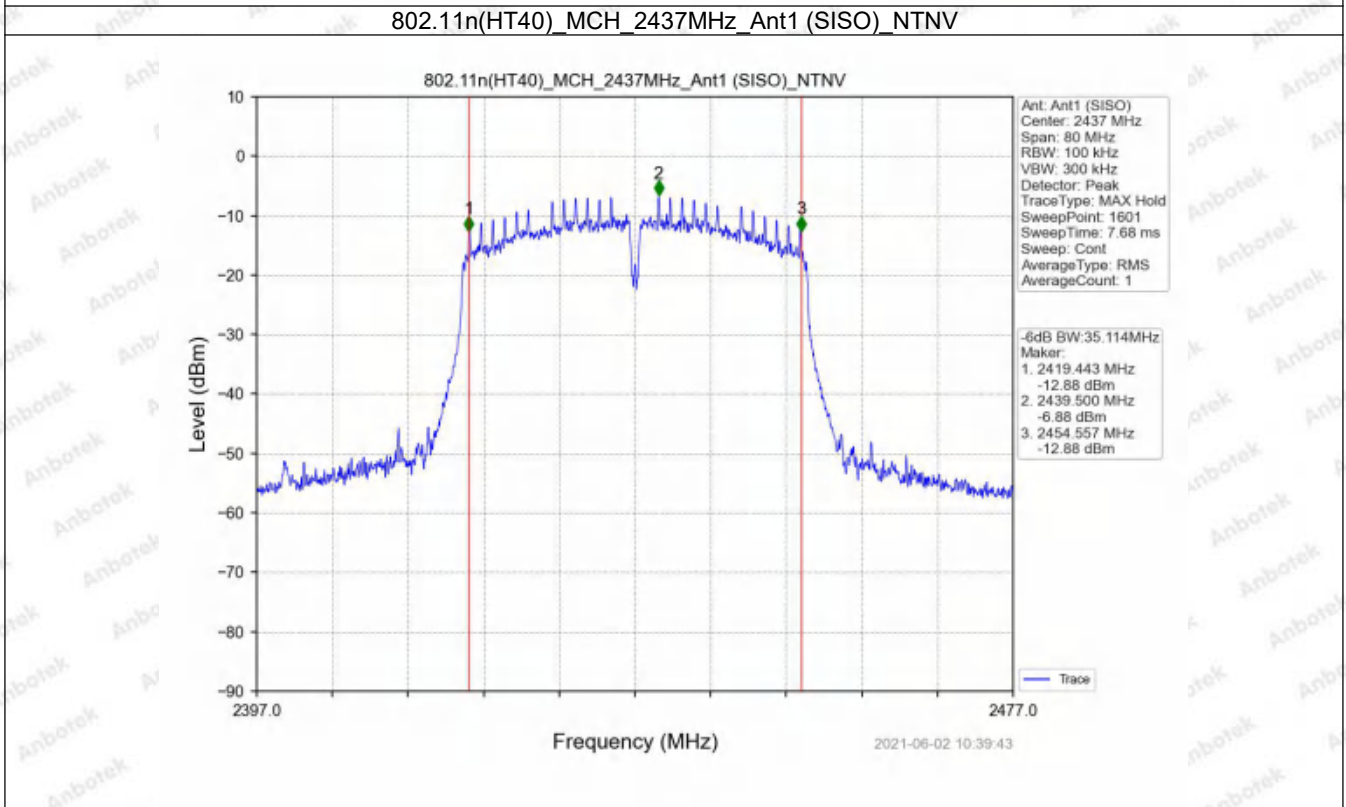
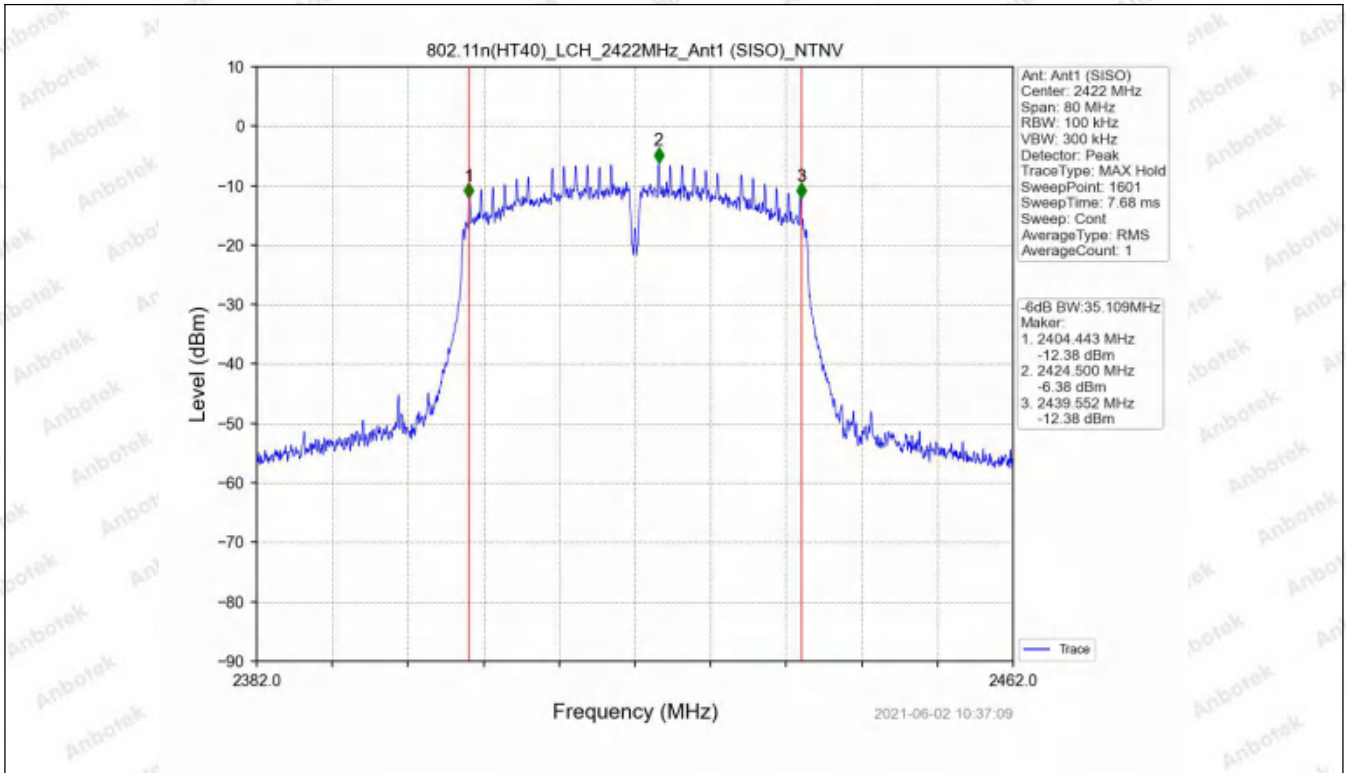




802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV

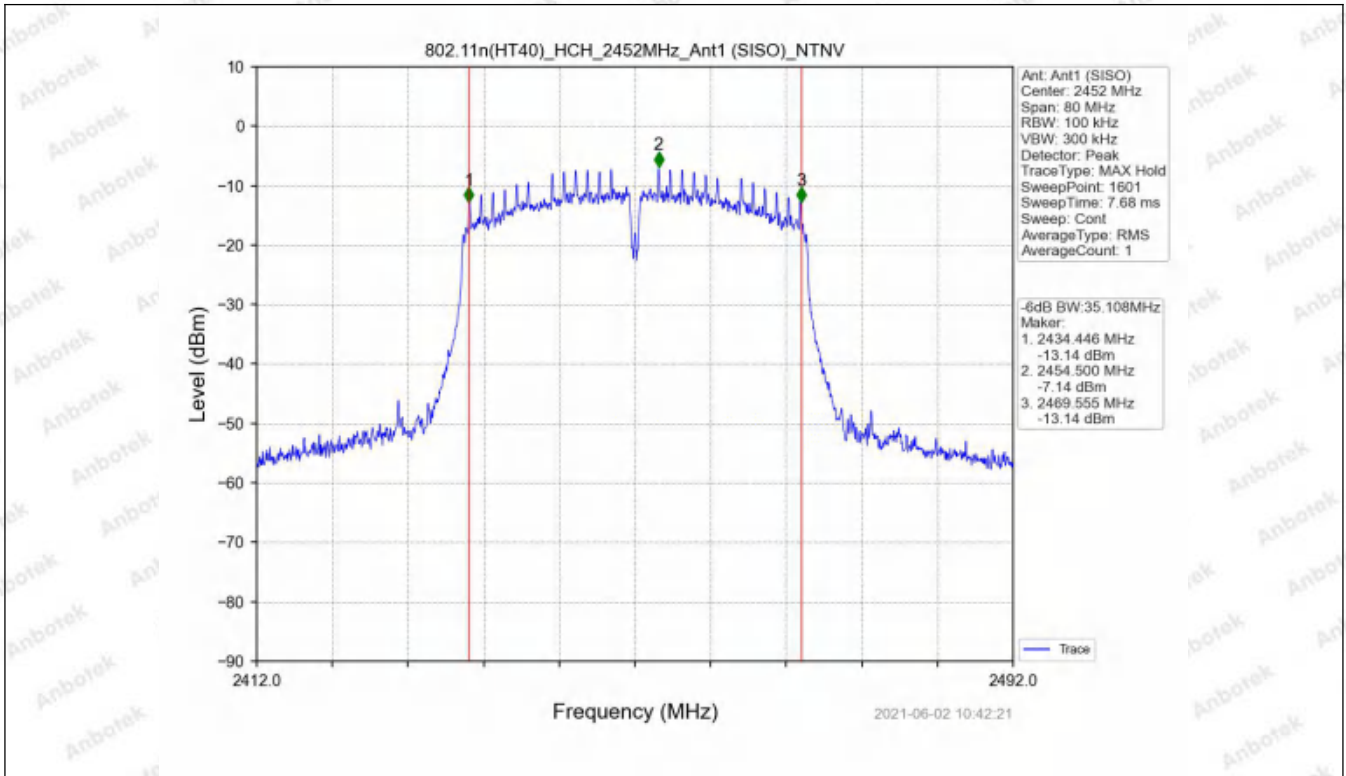


802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



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

## 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	/	/	20.95	<=30	Pass
		2437	/	/	20.70	<=30	Pass
		2462	/	/	20.12	<=30	Pass
802.11g	SISO	2412	/	/	15.45	<=30	Pass
		2437	/	/	14.98	<=30	Pass
		2462	/	/	14.63	<=30	Pass
802.11n (HT20)	SISO	2412	/	/	15.65	<=30	Pass
		2437	/	/	15.11	<=30	Pass
		2462	/	/	14.65	<=30	Pass
802.11n (HT40)	SISO	2422	/	/	14.18	<=30	Pass
		2437	/	/	13.80	<=30	Pass
		2452	/	/	13.39	<=30	Pass

Note1: Antenna Gain: 0 dBi;

## 4. Maximum Power Spectral Density

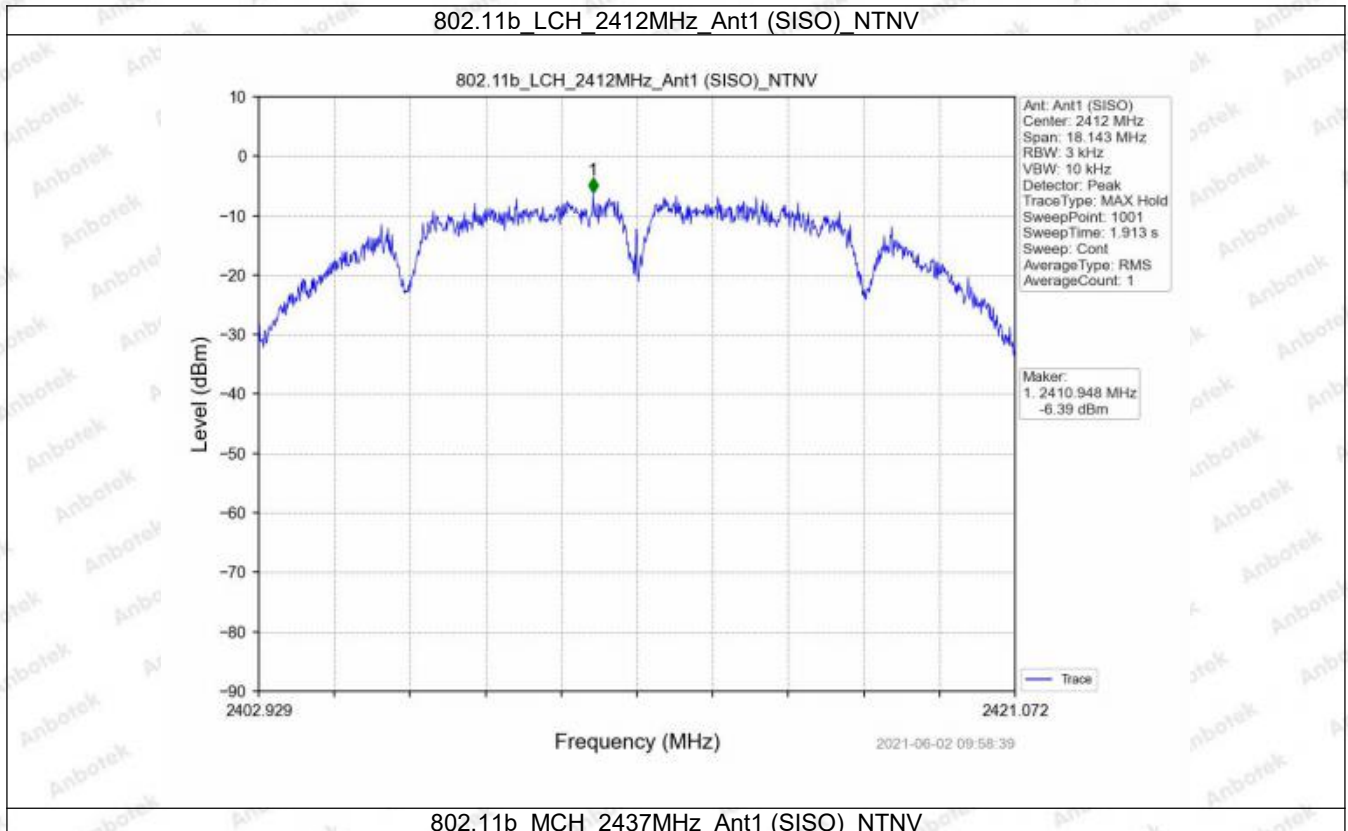
### 4.1 PSD

#### 4.1.1 Test Result

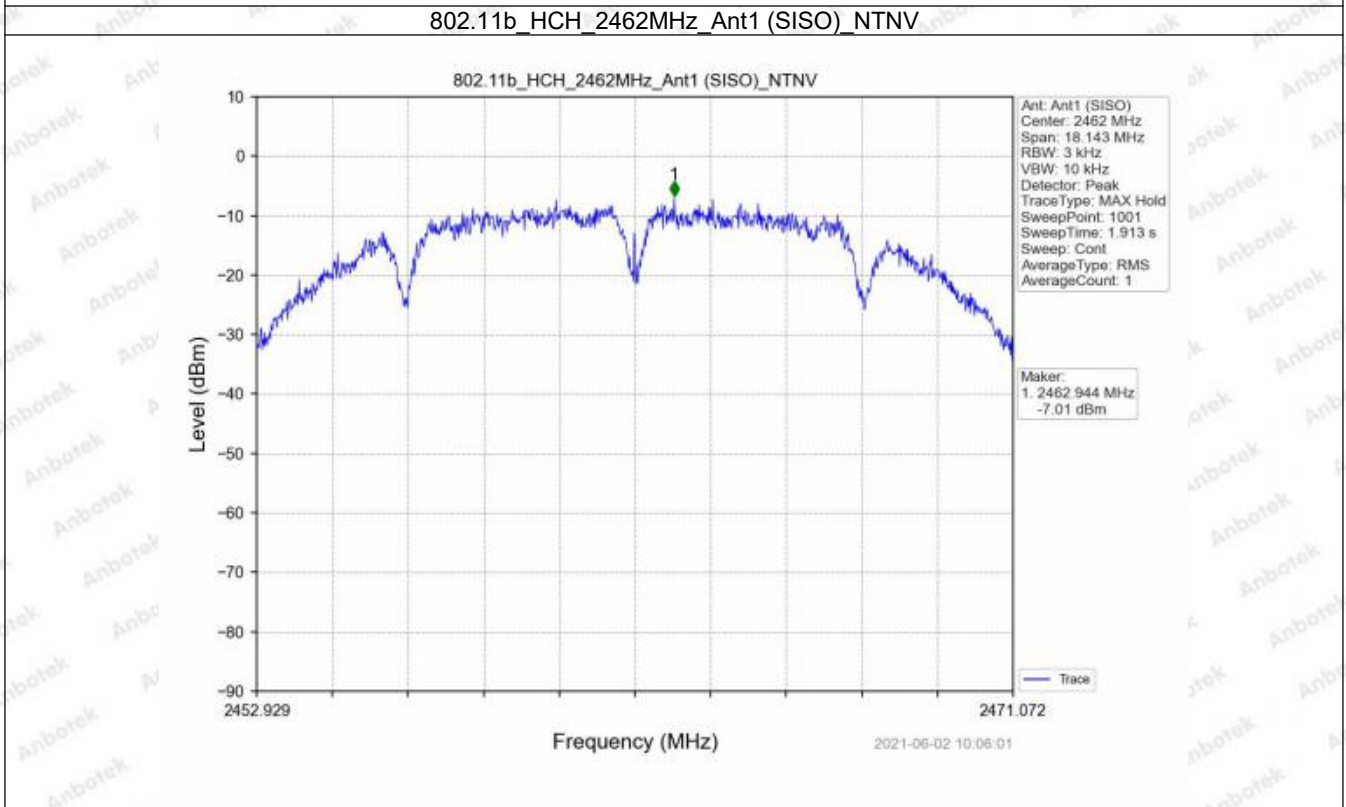
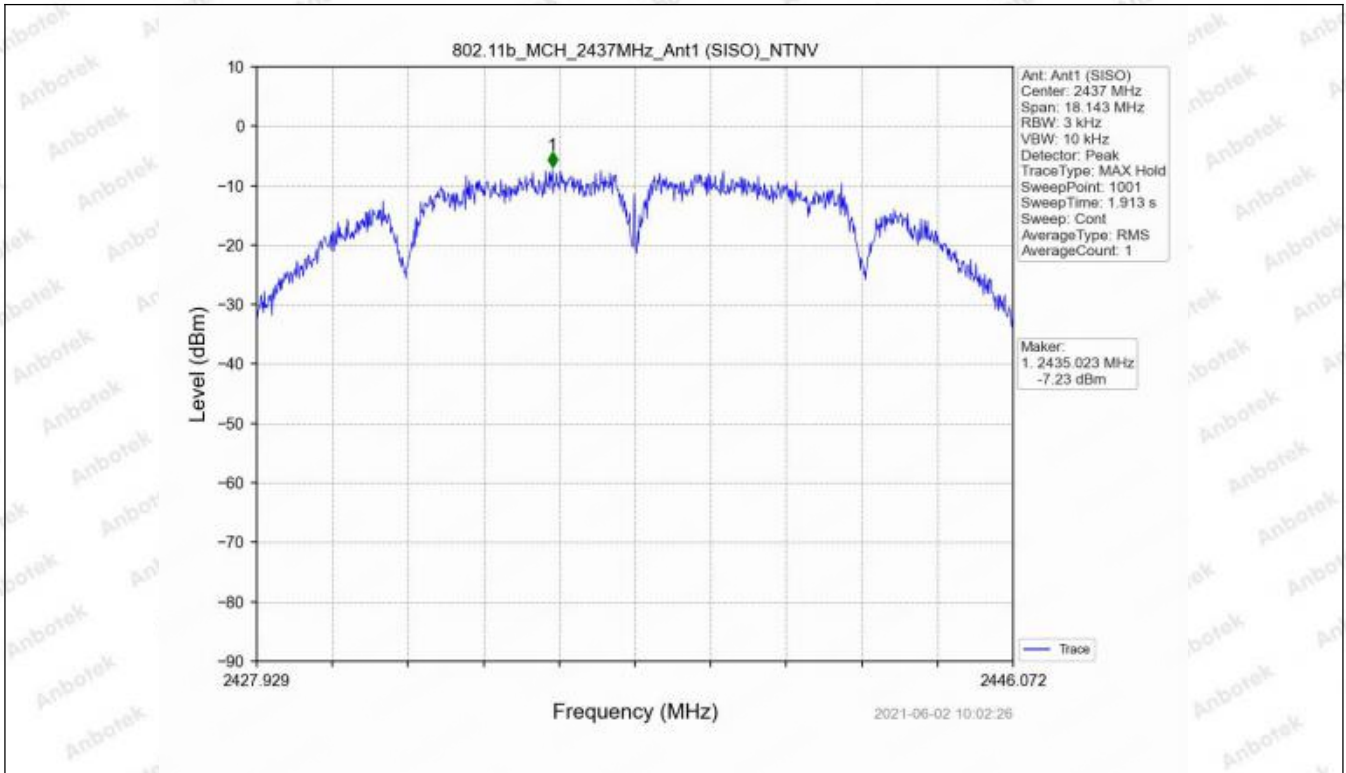
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
					Ant1		
802.11b	SISO	2412	/	/	-6.39	<=8	Pass
		2437	/	/	-7.23	<=8	Pass
		2462	/	/	-7.01	<=8	Pass
802.11g	SISO	2412	/	/	-16.74	<=8	Pass
		2437	/	/	-16.97	<=8	Pass
		2462	/	/	-18.03	<=8	Pass
802.11n (HT20)	SISO	2412	/	/	-16.32	<=8	Pass
		2437	/	/	-17.57	<=8	Pass
		2462	/	/	-17.30	<=8	Pass
802.11n (HT40)	SISO	2422	/	/	-20.87	<=8	Pass
		2437	/	/	-21.41	<=8	Pass
		2452	/	/	-21.86	<=8	Pass

Note1: Antenna Gain: 0 dBi;

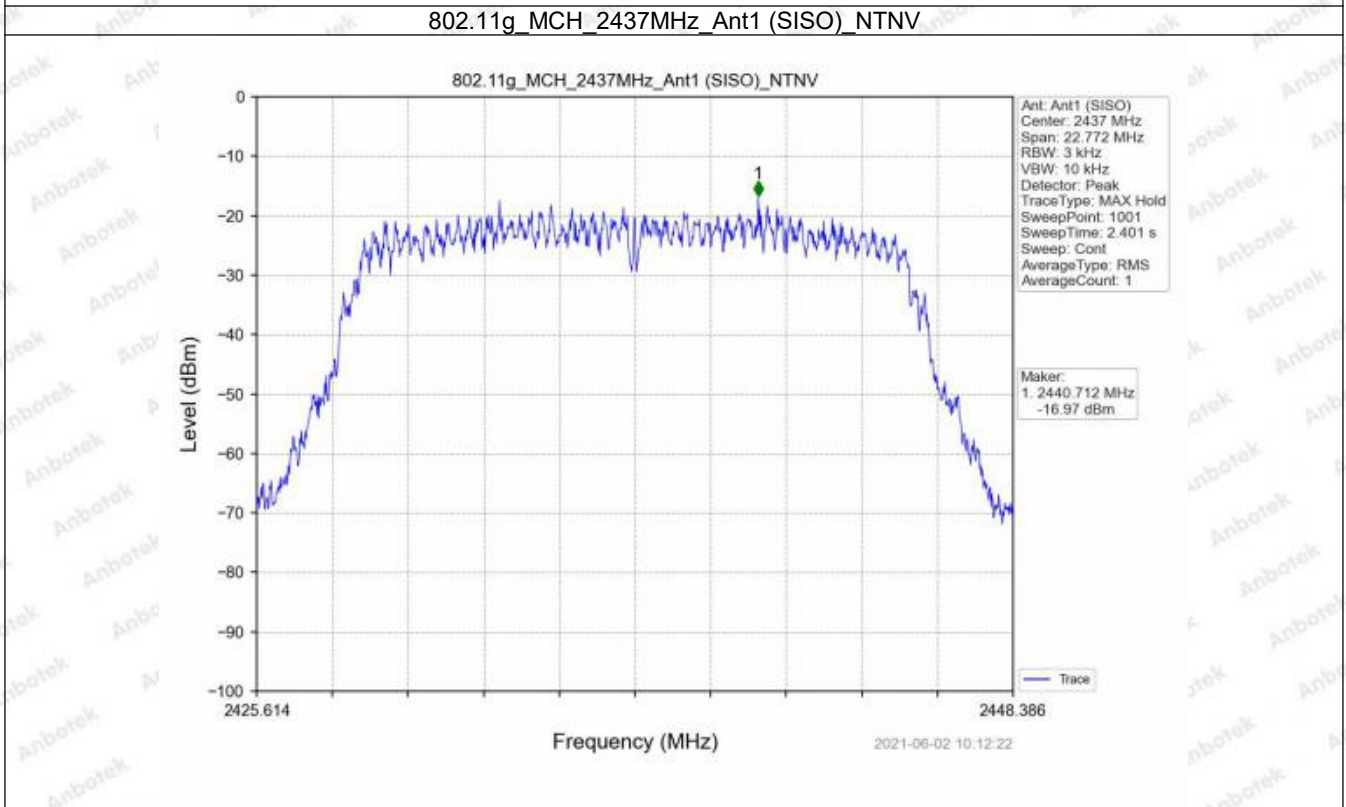
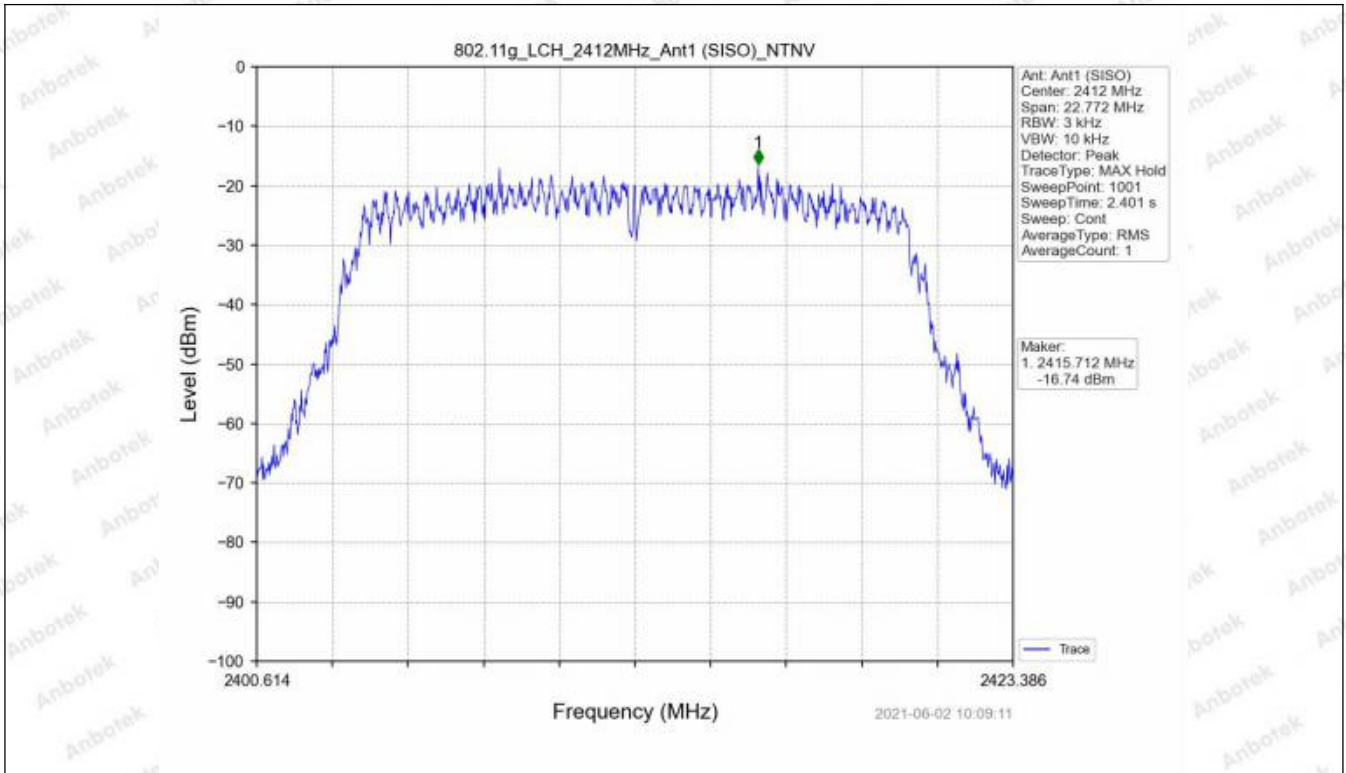
#### 4.1.2 Test Graph



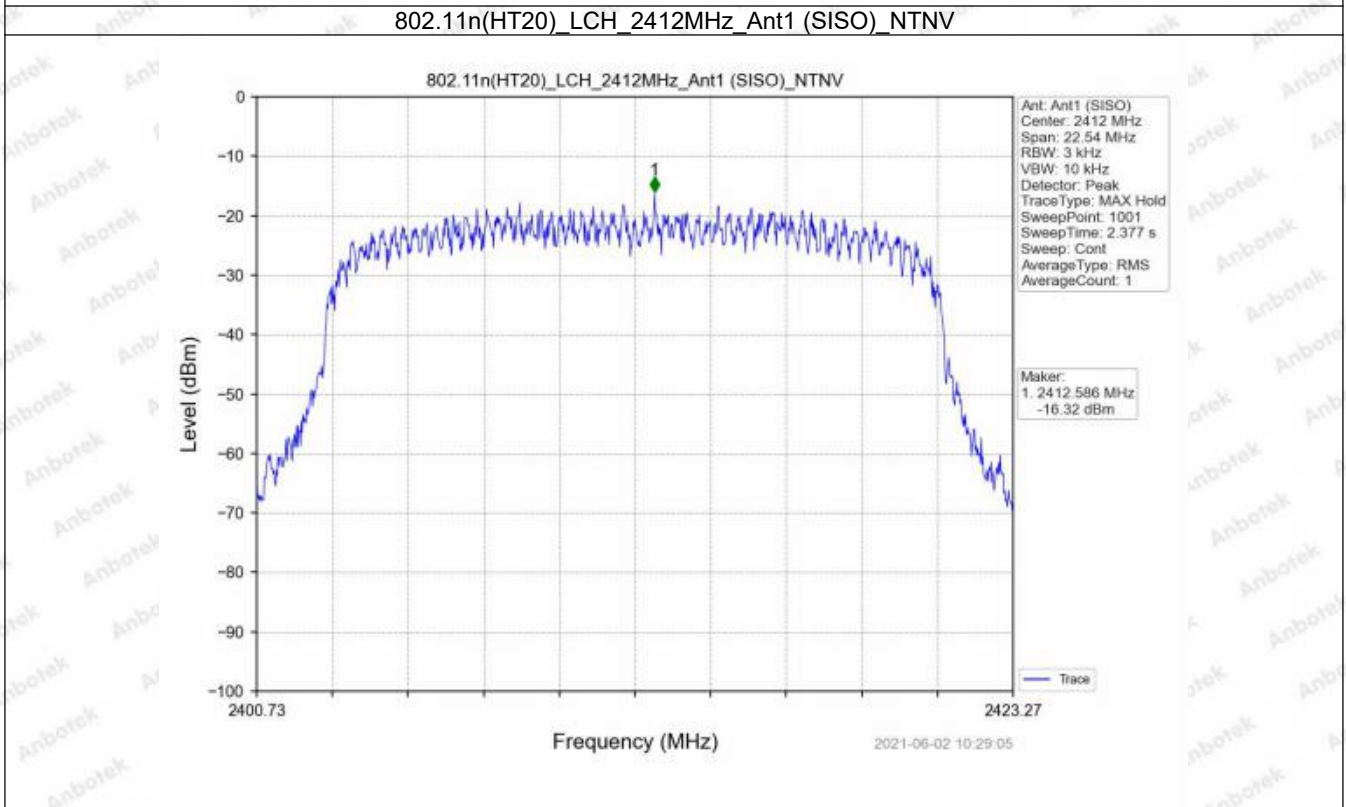
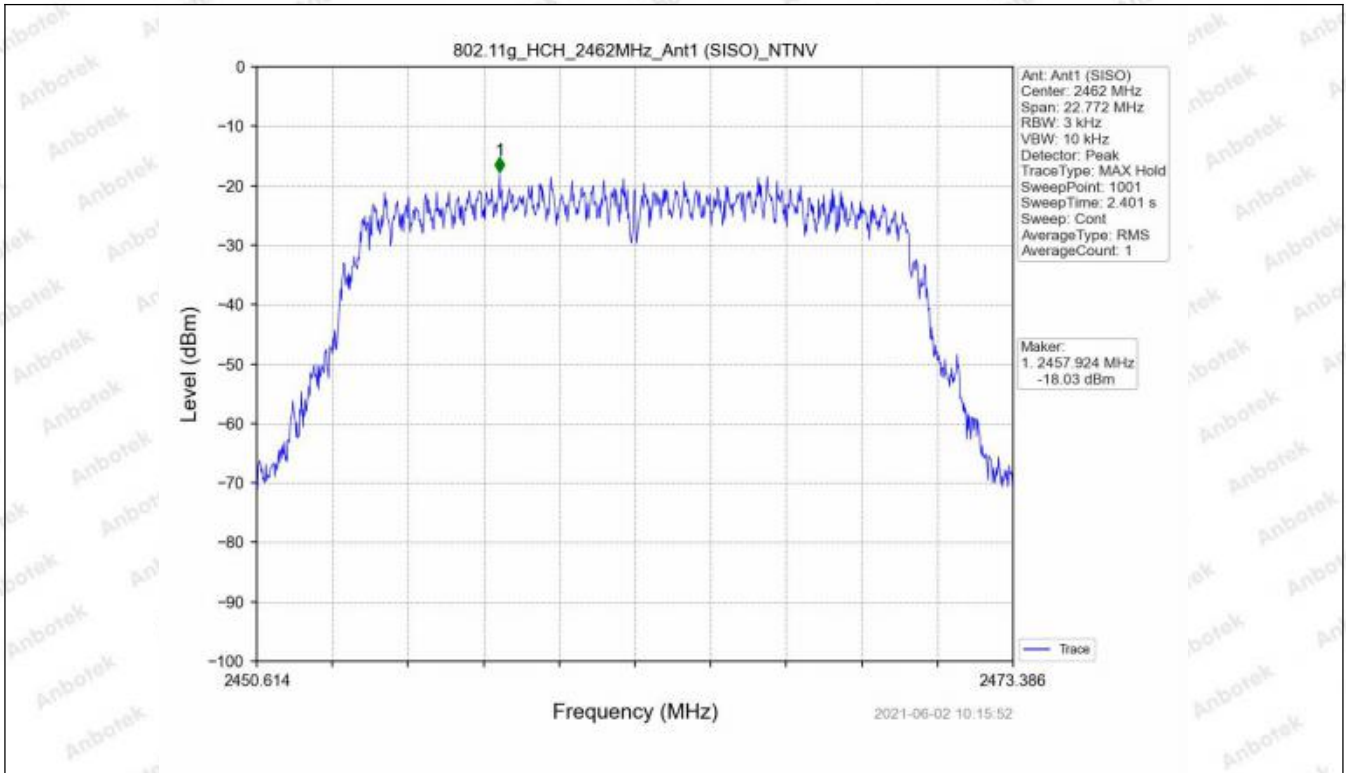




802.11g\_LCH\_2412MHz\_Ant1 (SISO) NTV

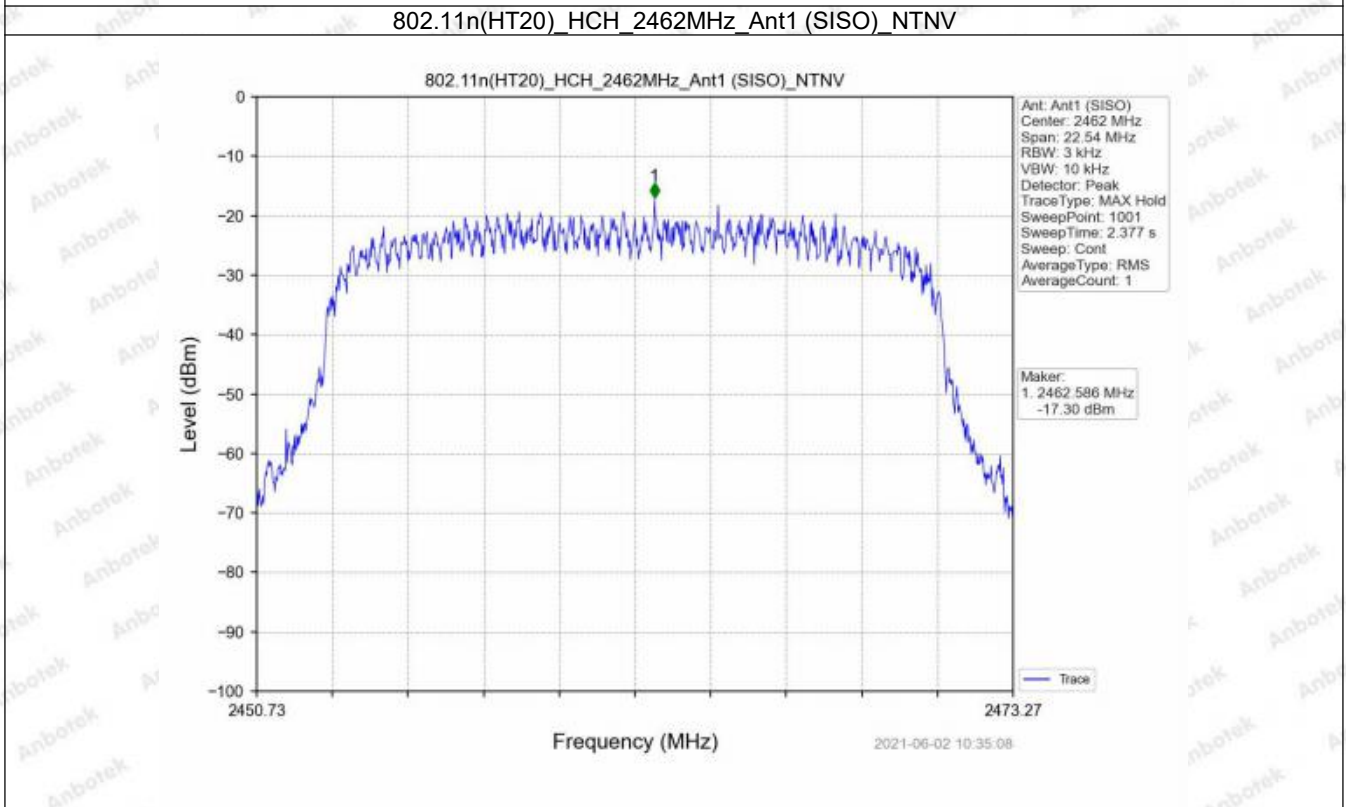
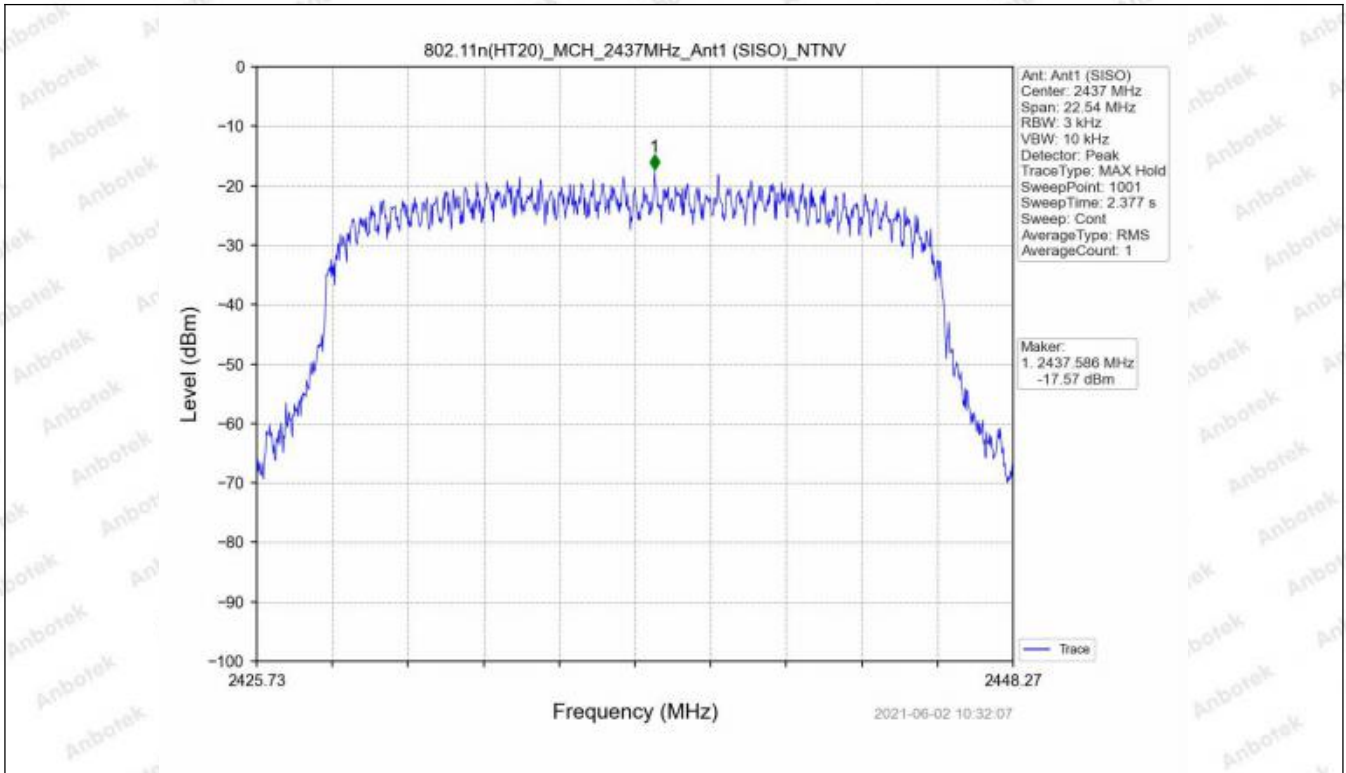


802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

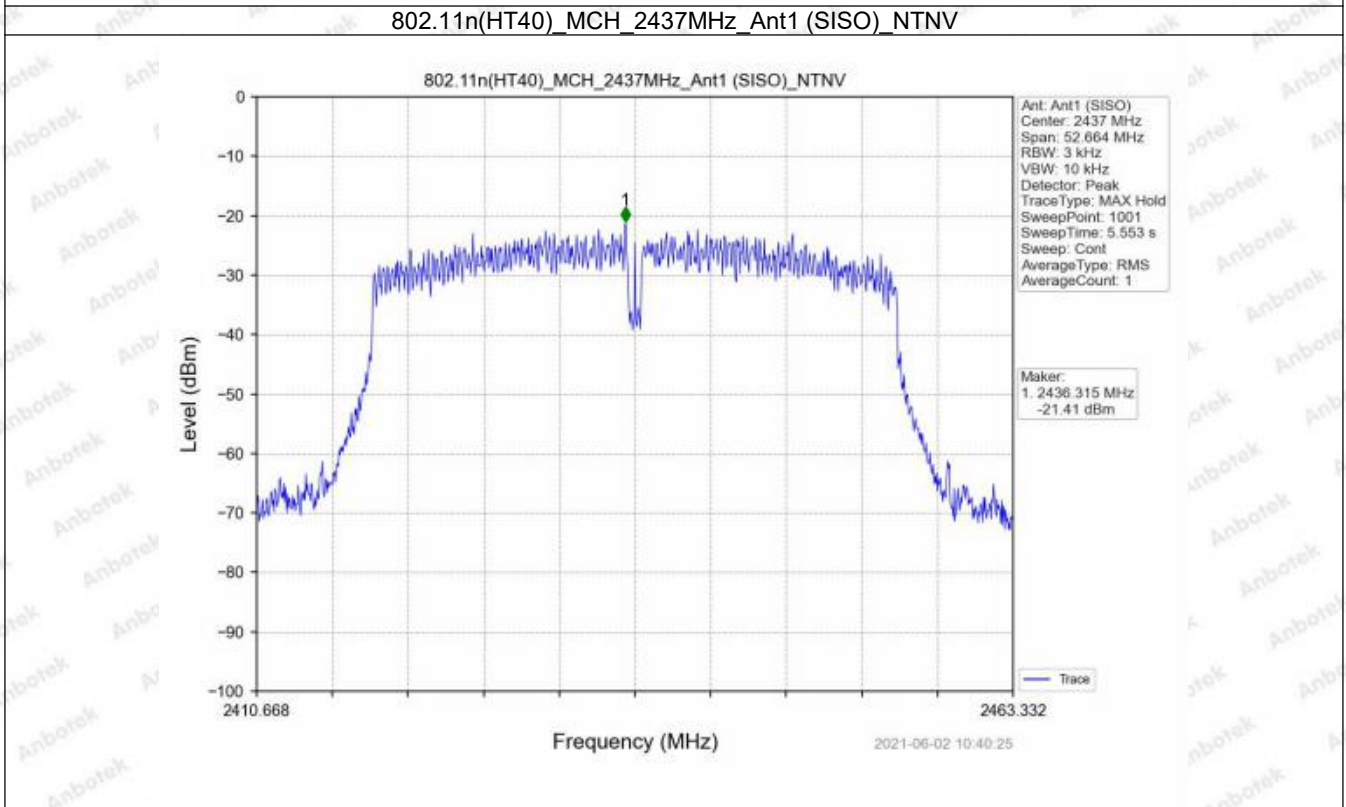
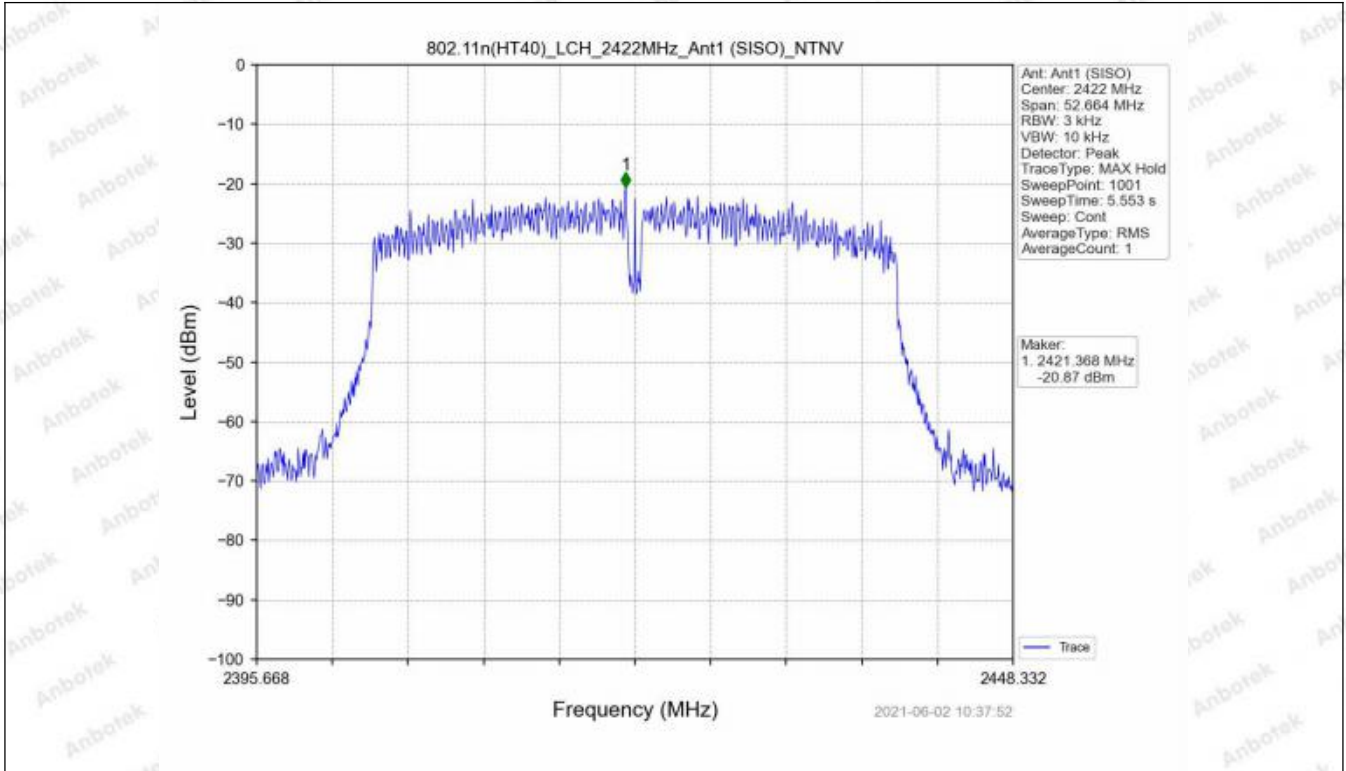


802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV

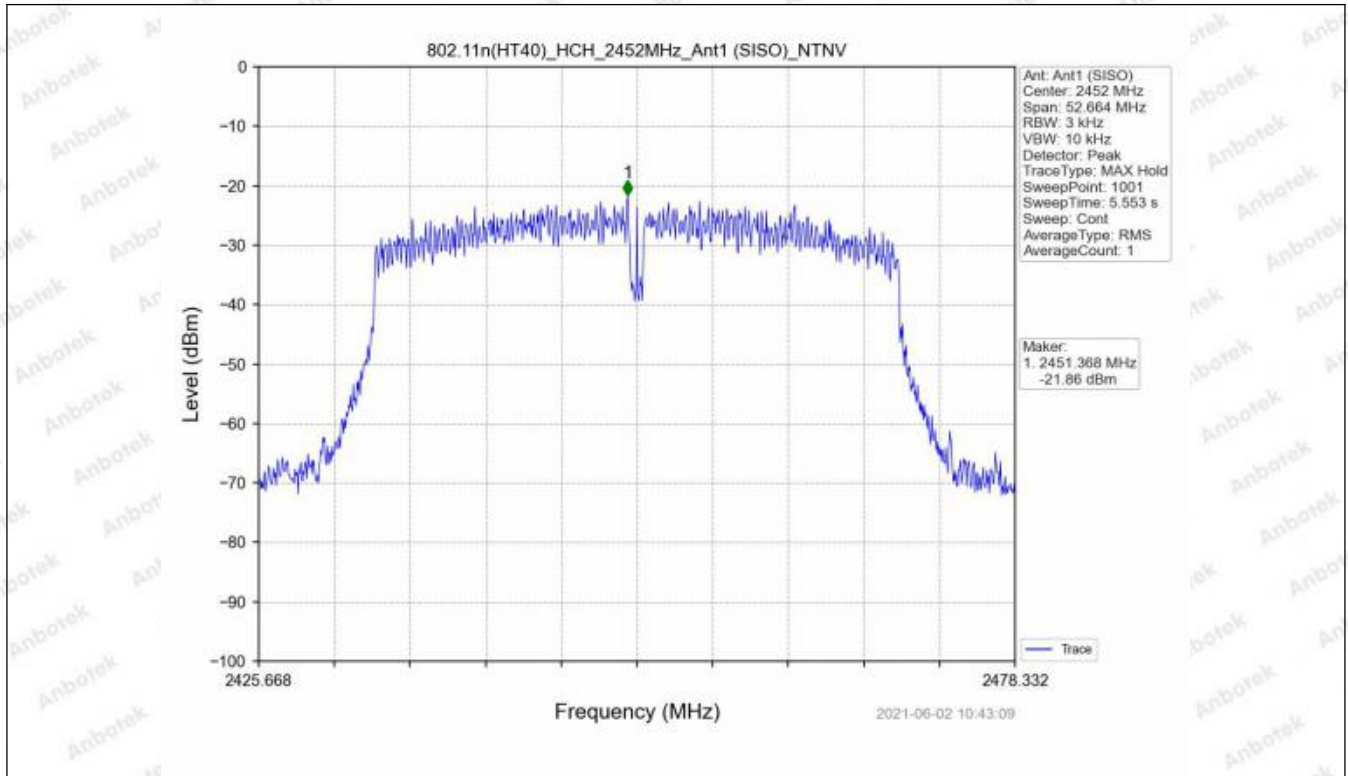




802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



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



## 5. Unwanted Emissions In Non-restricted Frequency Bands

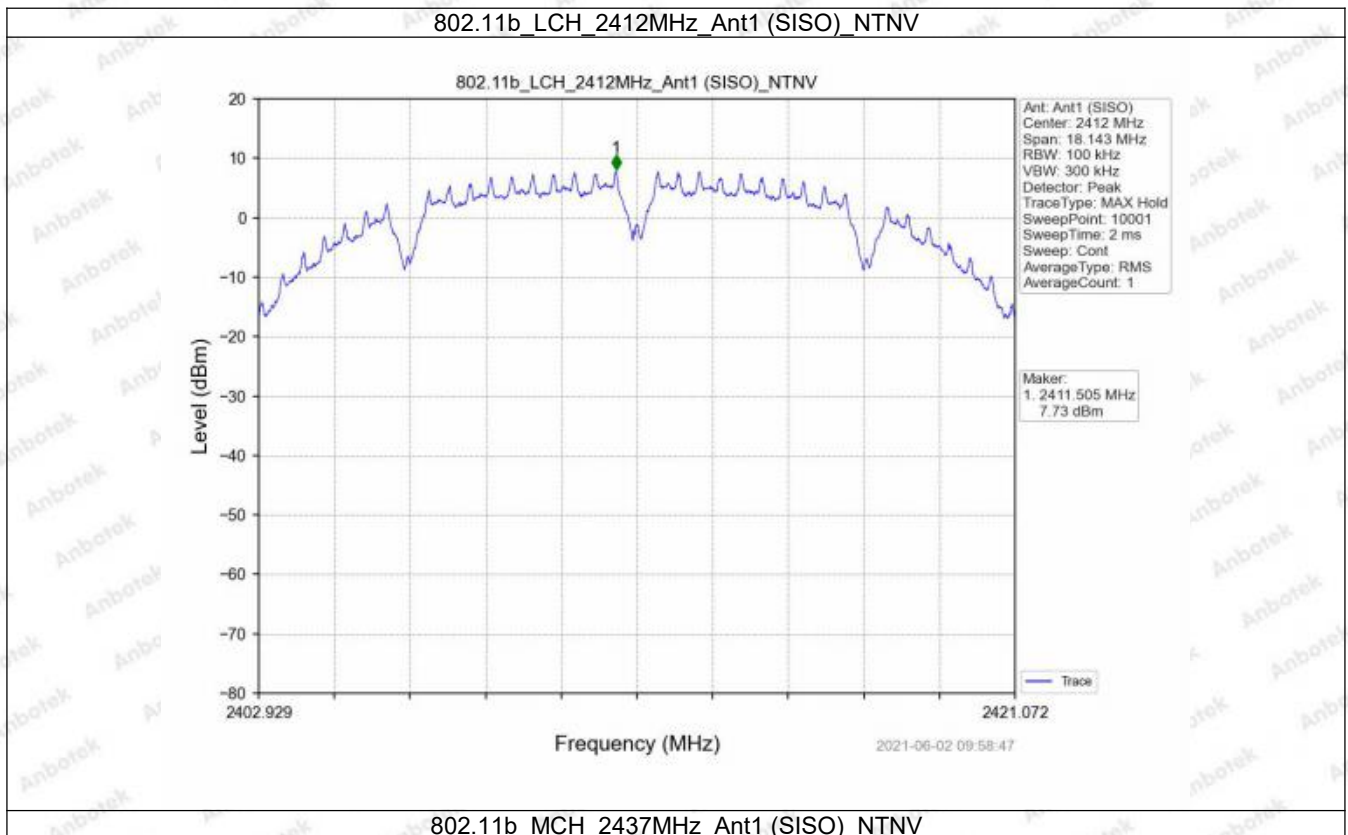
### 5.1 Ref

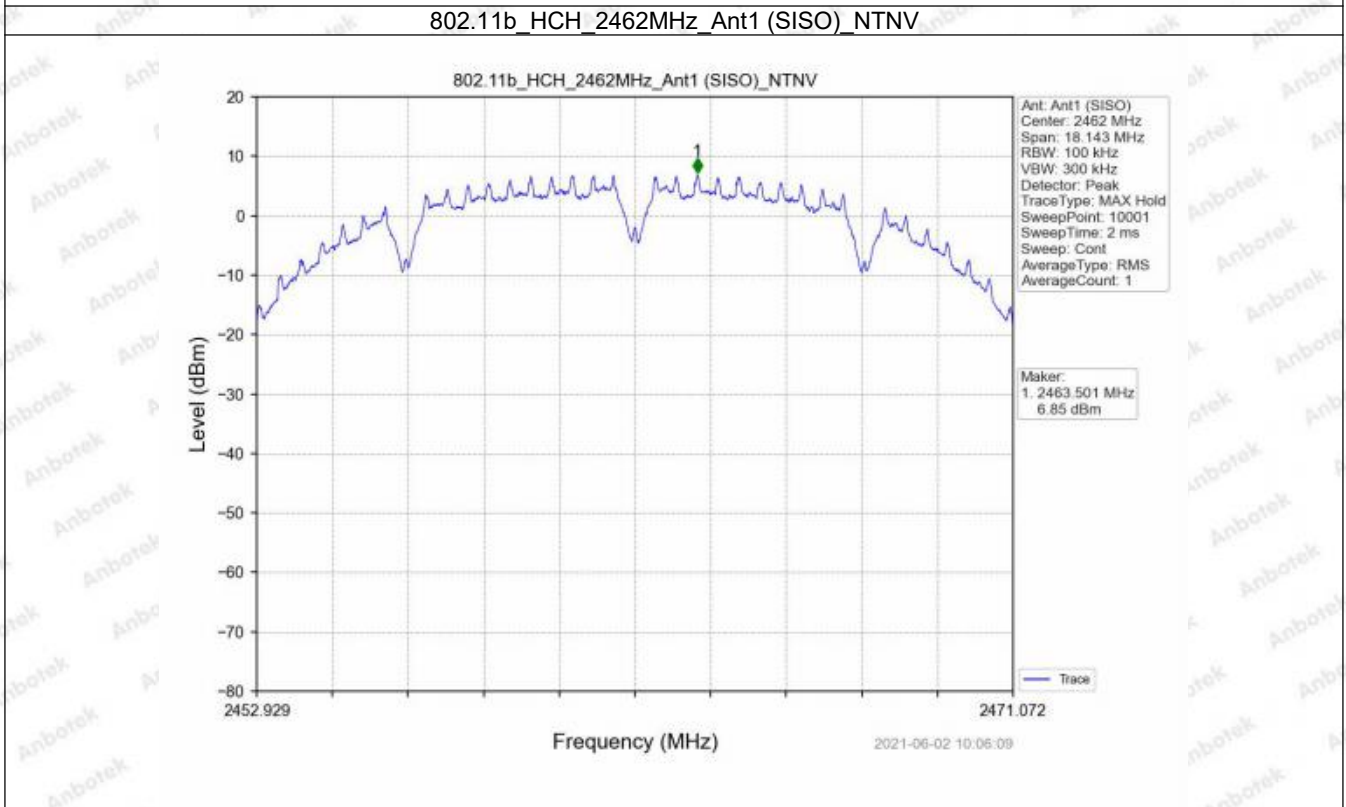
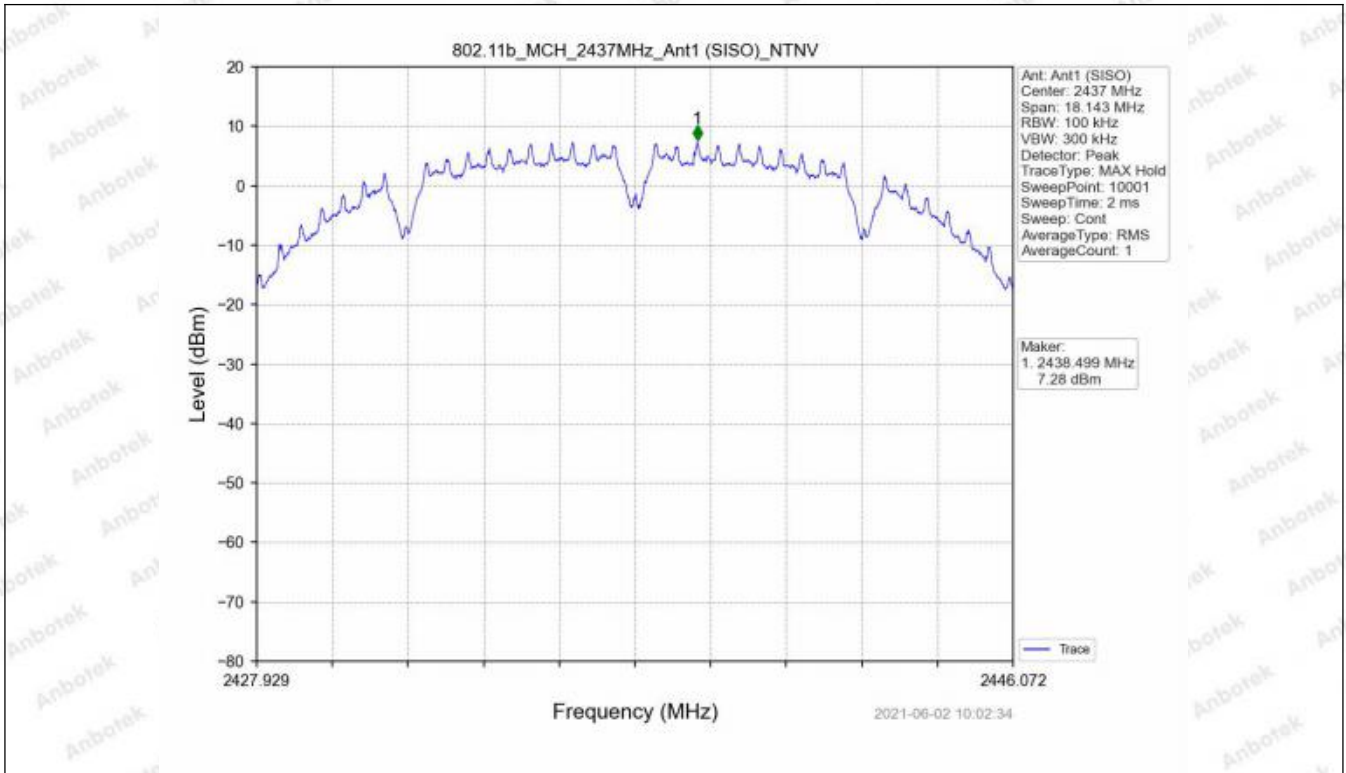
#### 5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	/	/	1	7.73	/	/
		2437	/	/	1	7.28	/	/
		2462	/	/	1	6.85	/	/
802.11g	SISO	2412	/	/	1	-2.73	/	/
		2437	/	/	1	-3.35	/	/
		2462	/	/	1	-3.70	/	/
802.11n (HT20)	SISO	2412	/	/	1	0.31	/	/
		2437	/	/	1	-0.38	/	/
		2462	/	/	1	-0.68	/	/
802.11n (HT40)	SISO	2422	/	/	1	-6.46	/	/
		2437	/	/	1	-6.90	/	/
		2452	/	/	1	-7.32	/	/

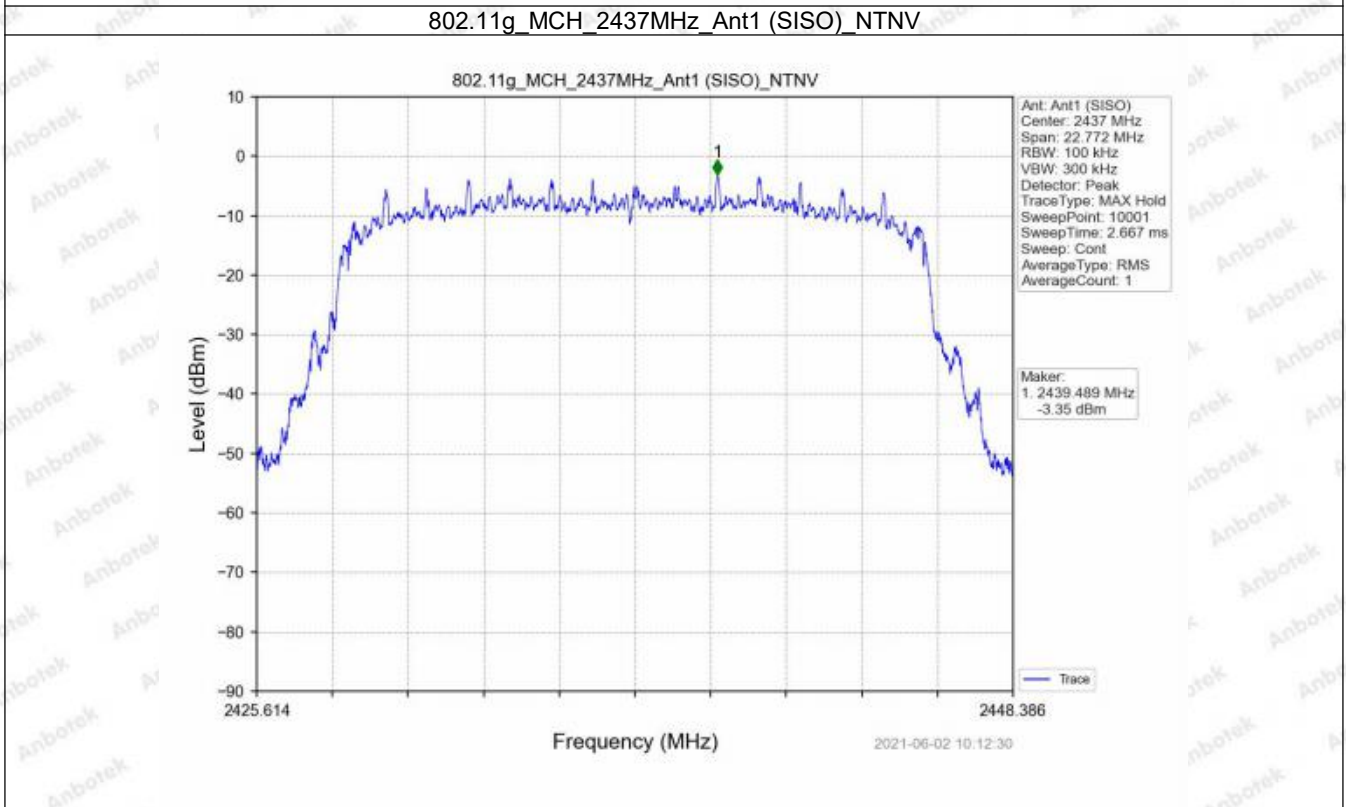
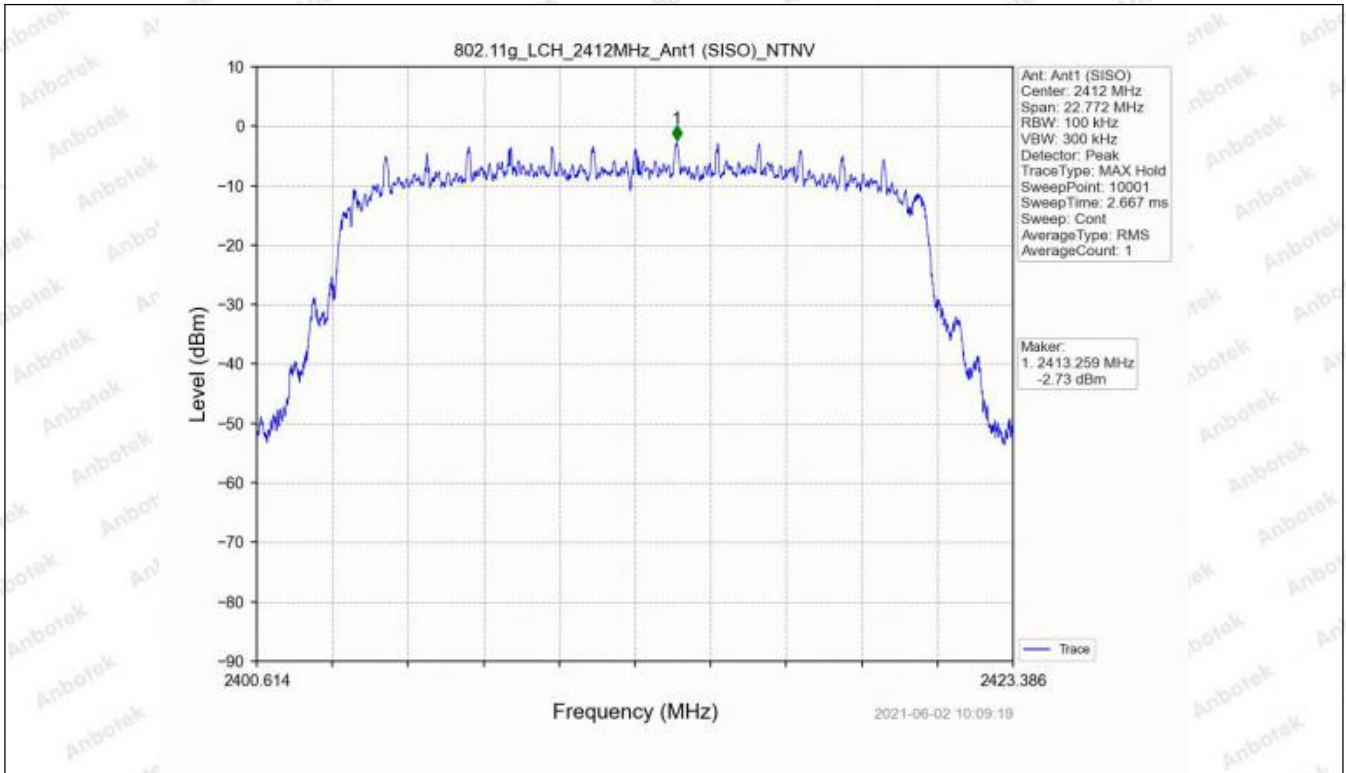
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

#### 5.1.2 Test Graph



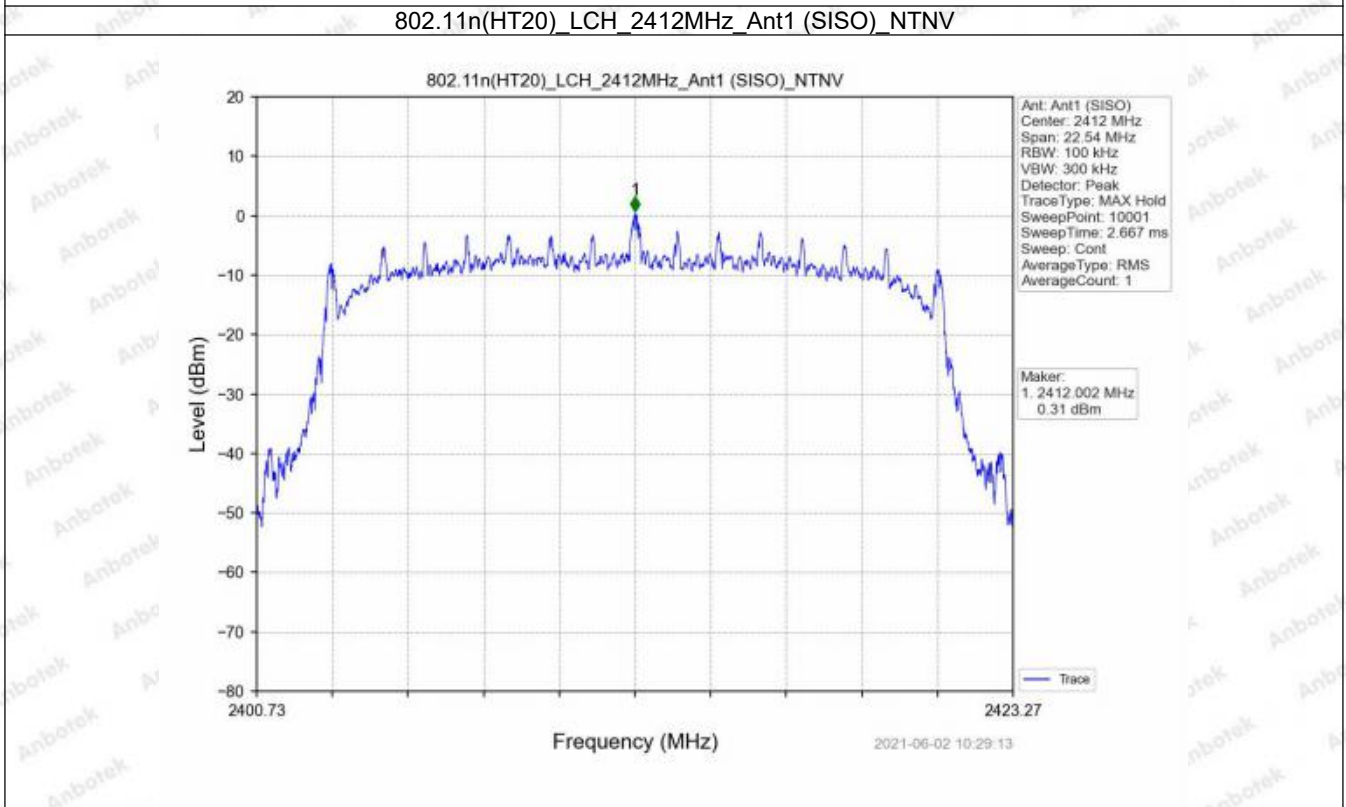
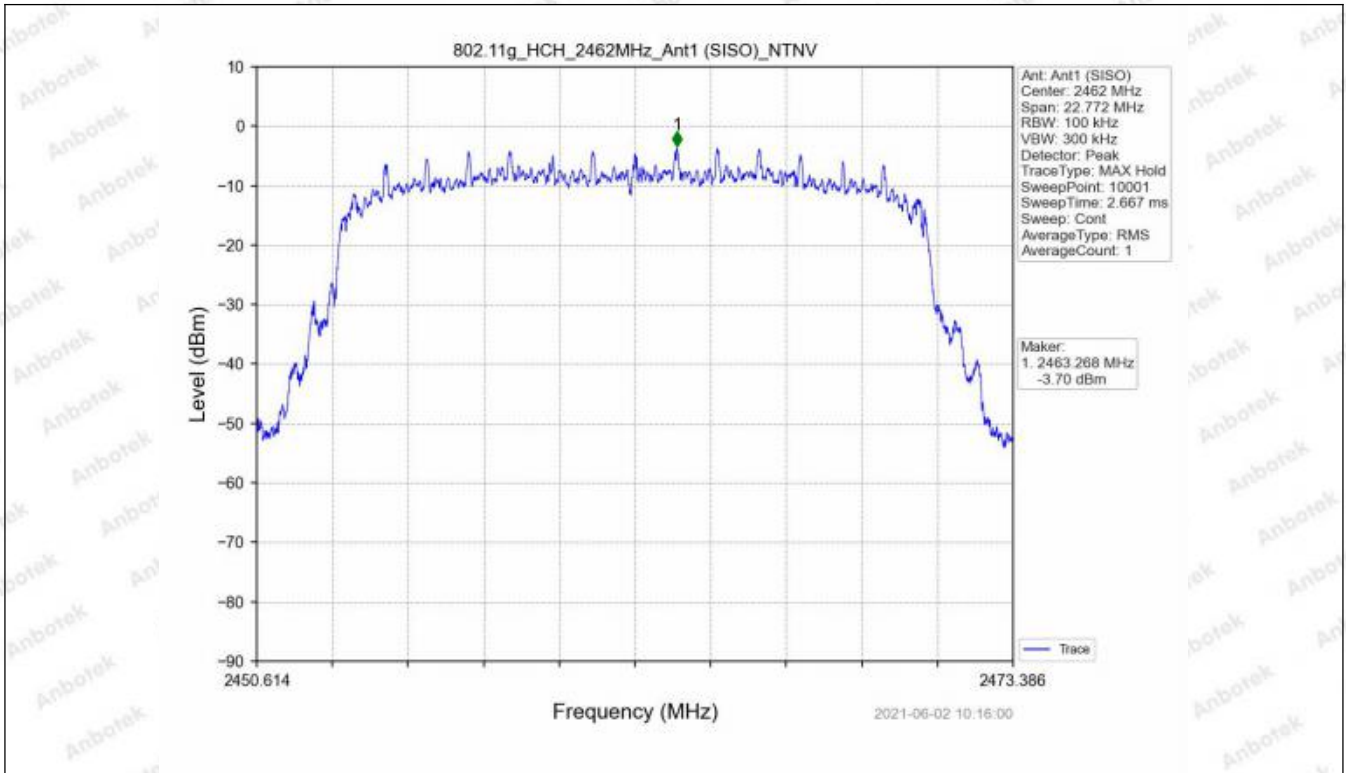


802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV

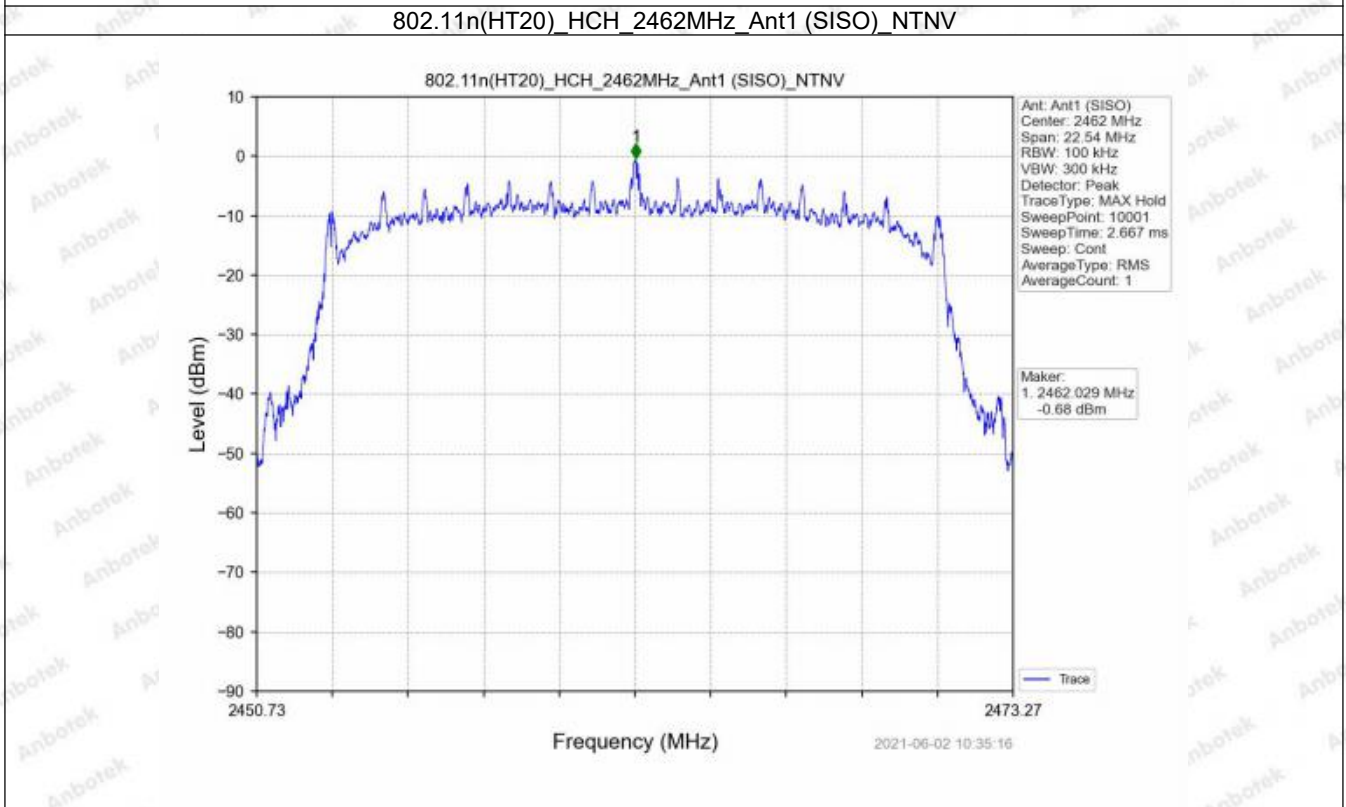
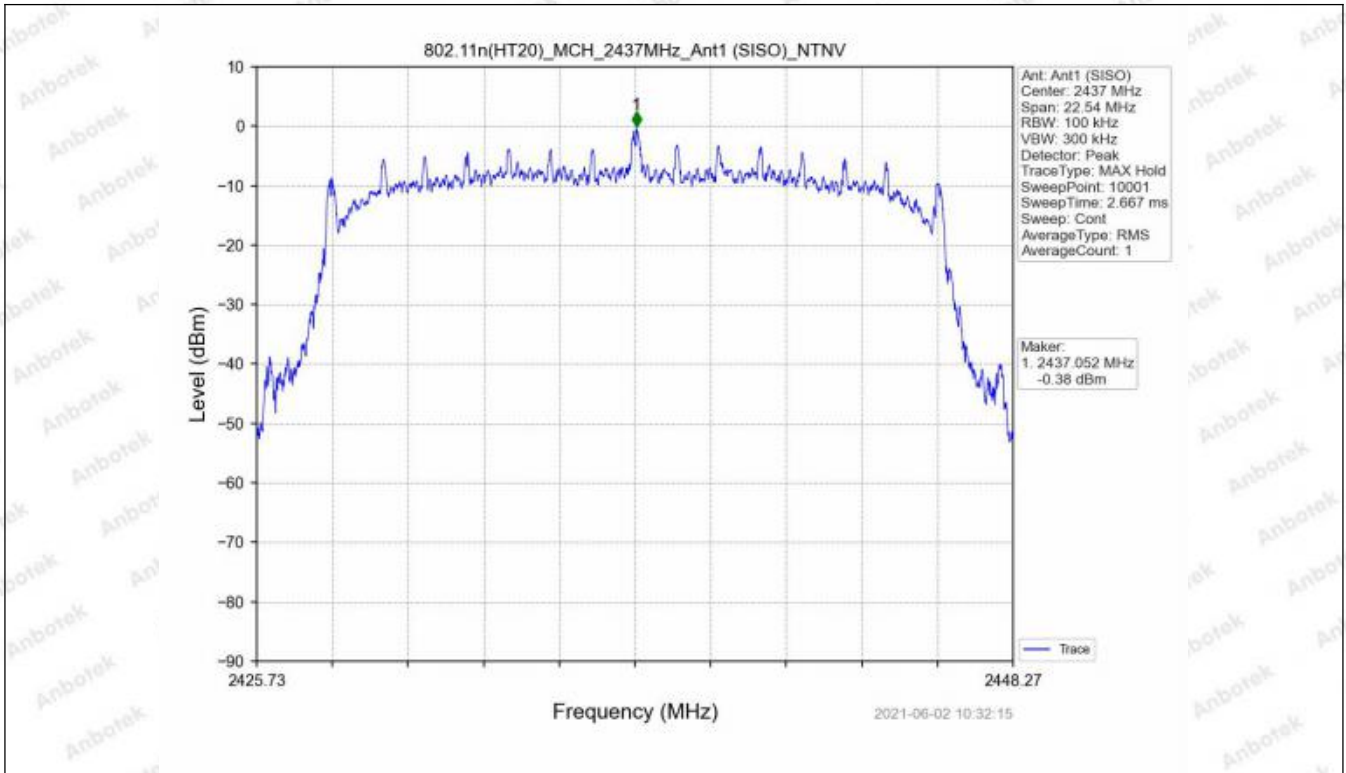


802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

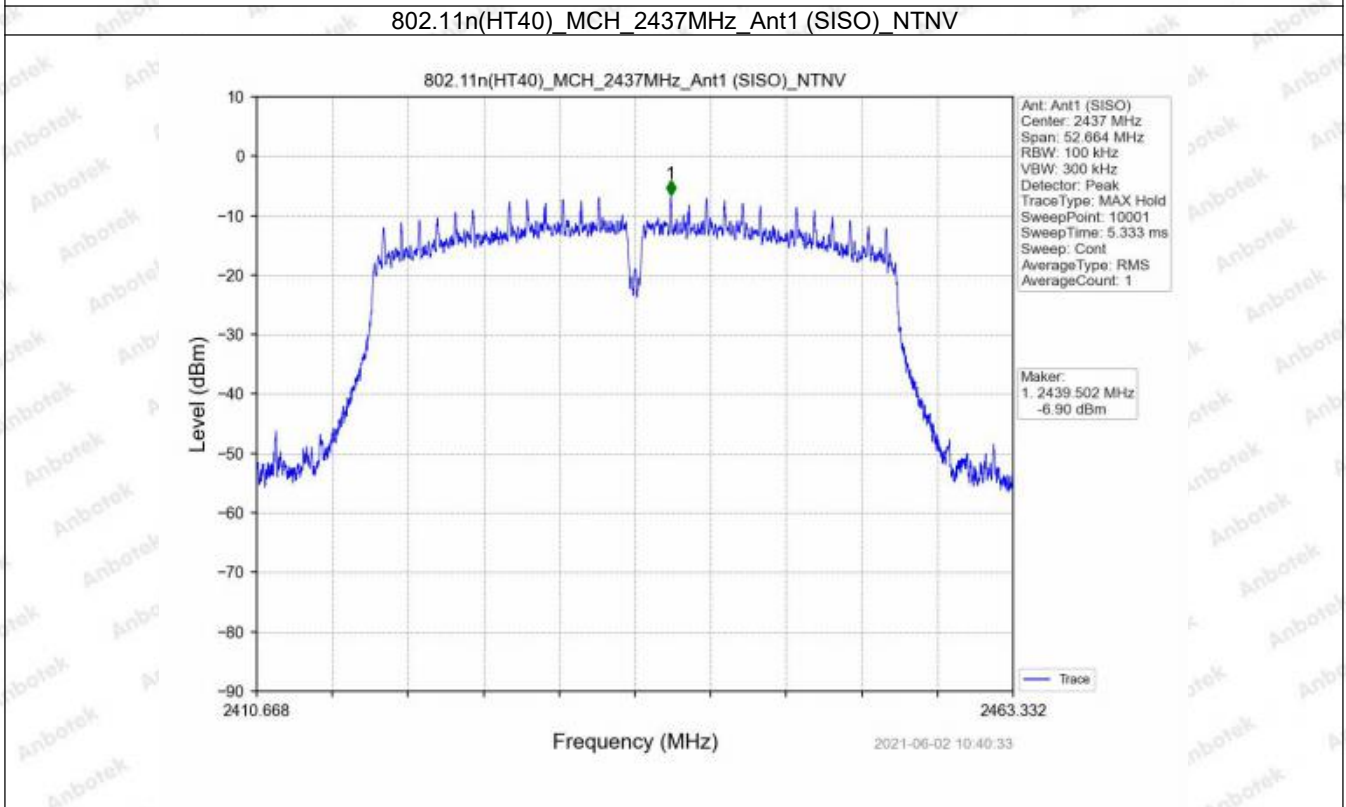
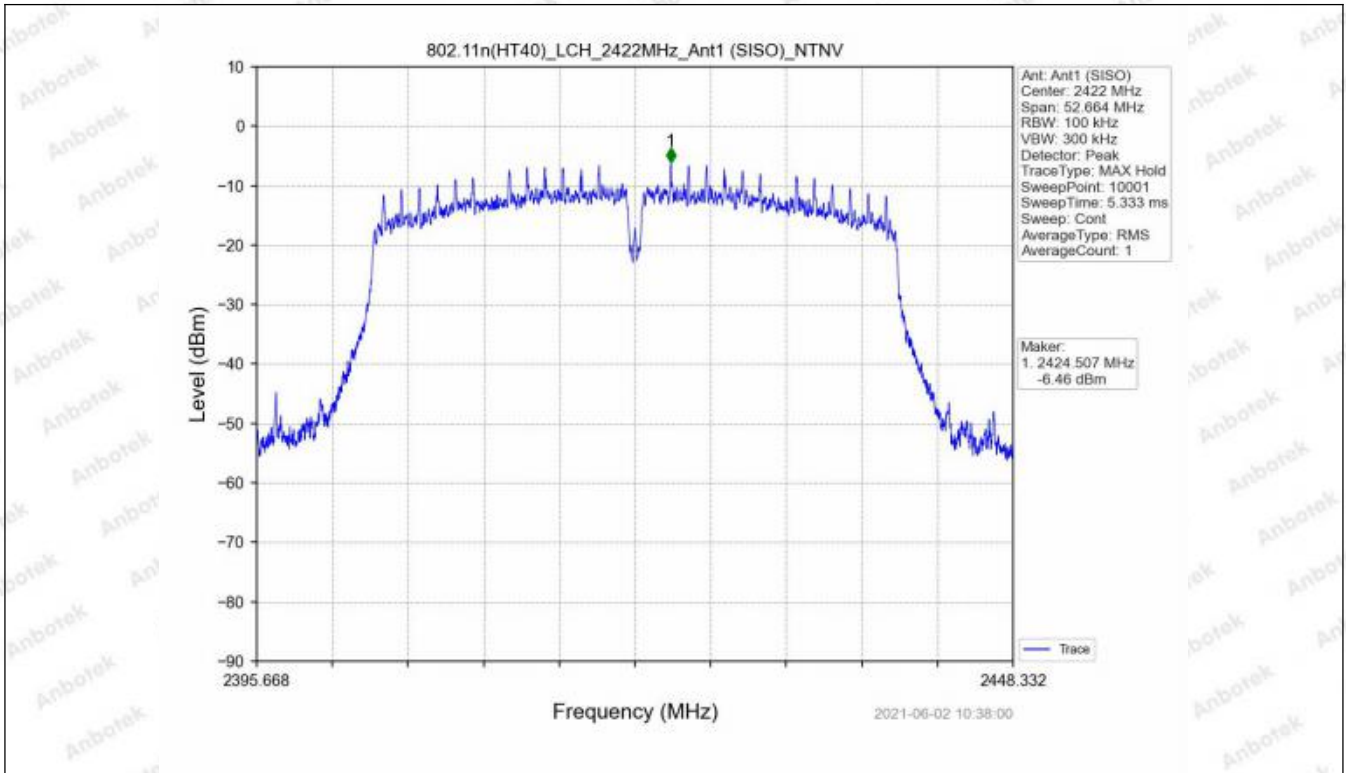




802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV

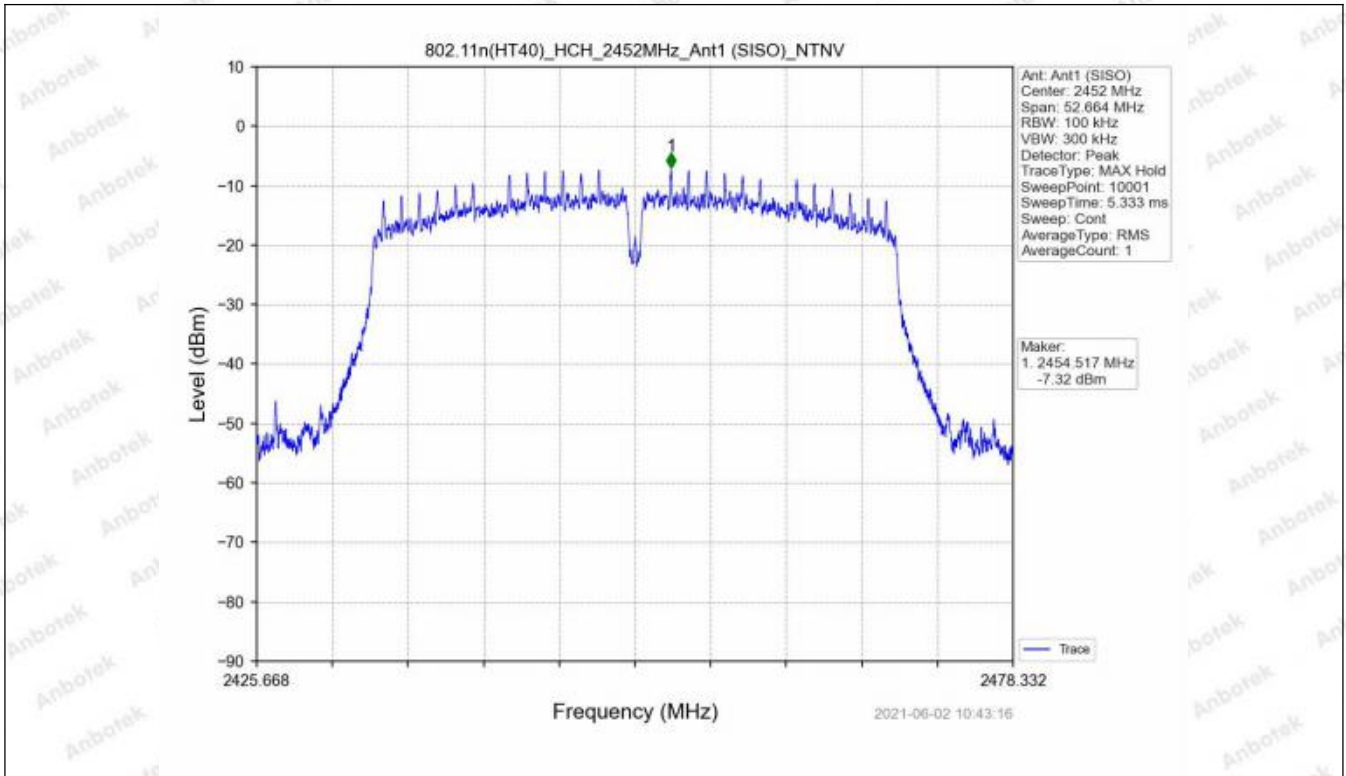


802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



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

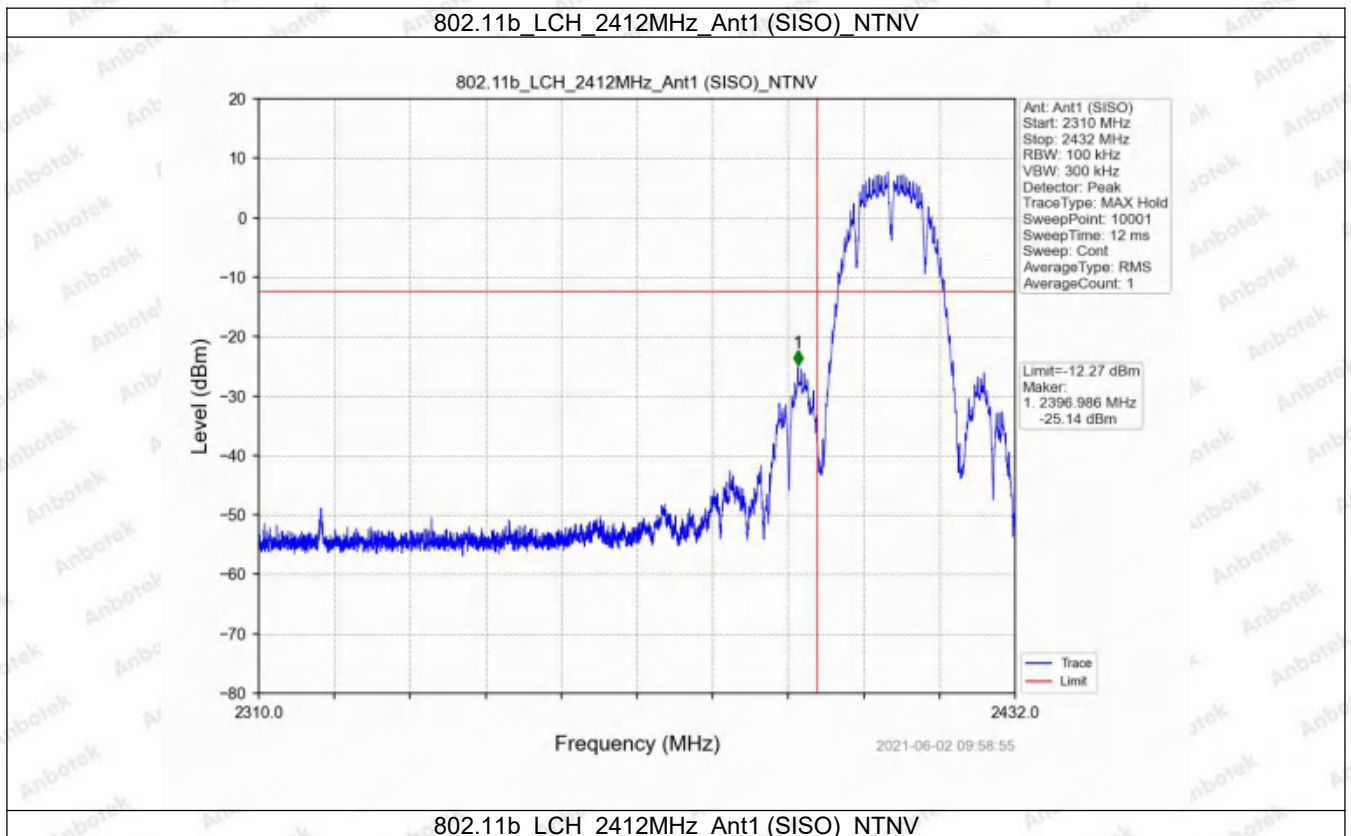
## 5.2 CSE

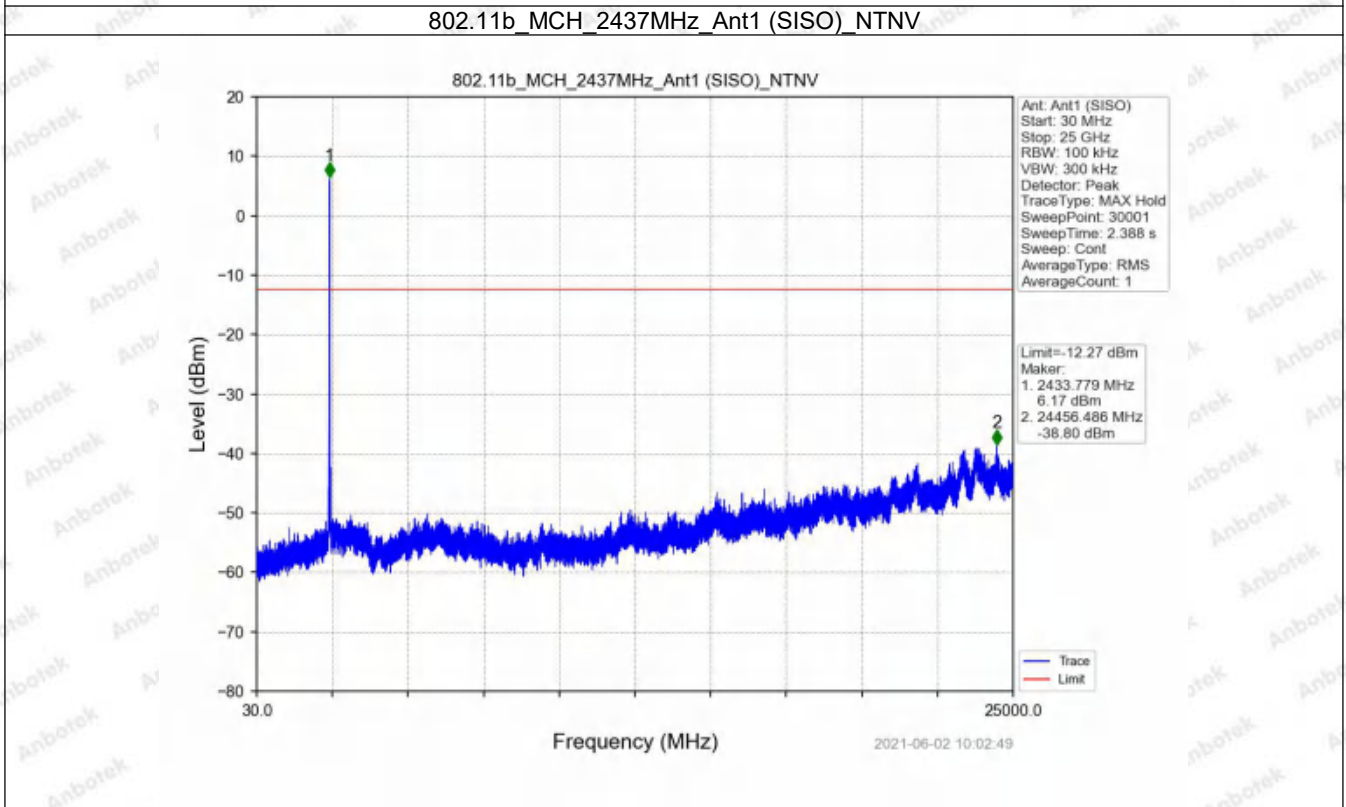
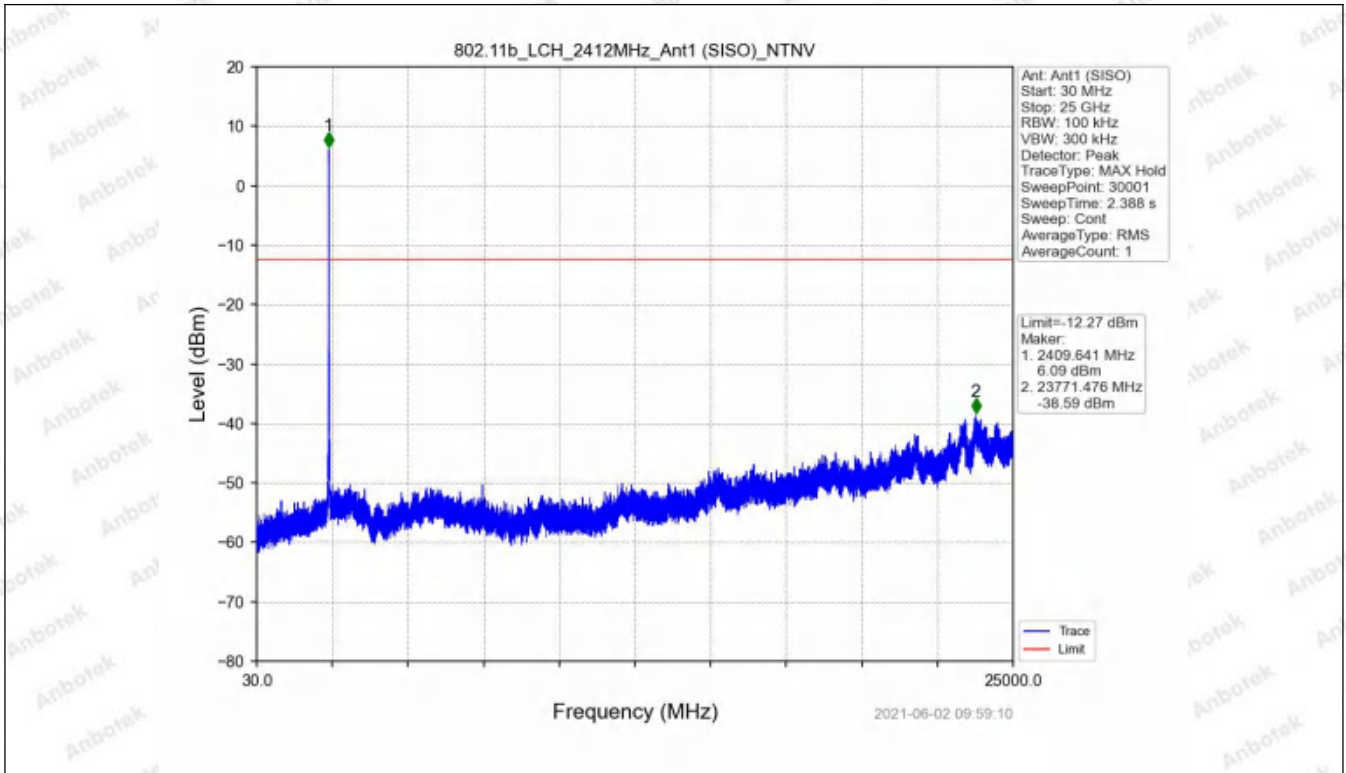
### 5.2.1 Test Result

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	<=-12.27	Pass
		2437	/	/	1	Refer To Test Graph	<=-12.27	Pass
		2462	/	/	1	Refer To Test Graph	<=-12.27	Pass
802.11g	SISO	2412	/	/	1	Refer To Test Graph	<=-22.73	Pass
		2437	/	/	1	Refer To Test Graph	<=-22.73	Pass
		2462	/	/	1	Refer To Test Graph	<=-22.73	Pass
802.11n (HT20)	SISO	2412	/	/	1	Refer To Test Graph	<=-19.69	Pass
		2437	/	/	1	Refer To Test Graph	<=-19.69	Pass
		2462	/	/	1	Refer To Test Graph	<=-19.69	Pass
802.11n (HT40)	SISO	2422	/	/	1	Refer To Test Graph	<=-19.69	Pass
		2437	/	/	1	Refer To Test Graph	<=-19.69	Pass
		2452	/	/	1	Refer To Test Graph	<=-19.69	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.

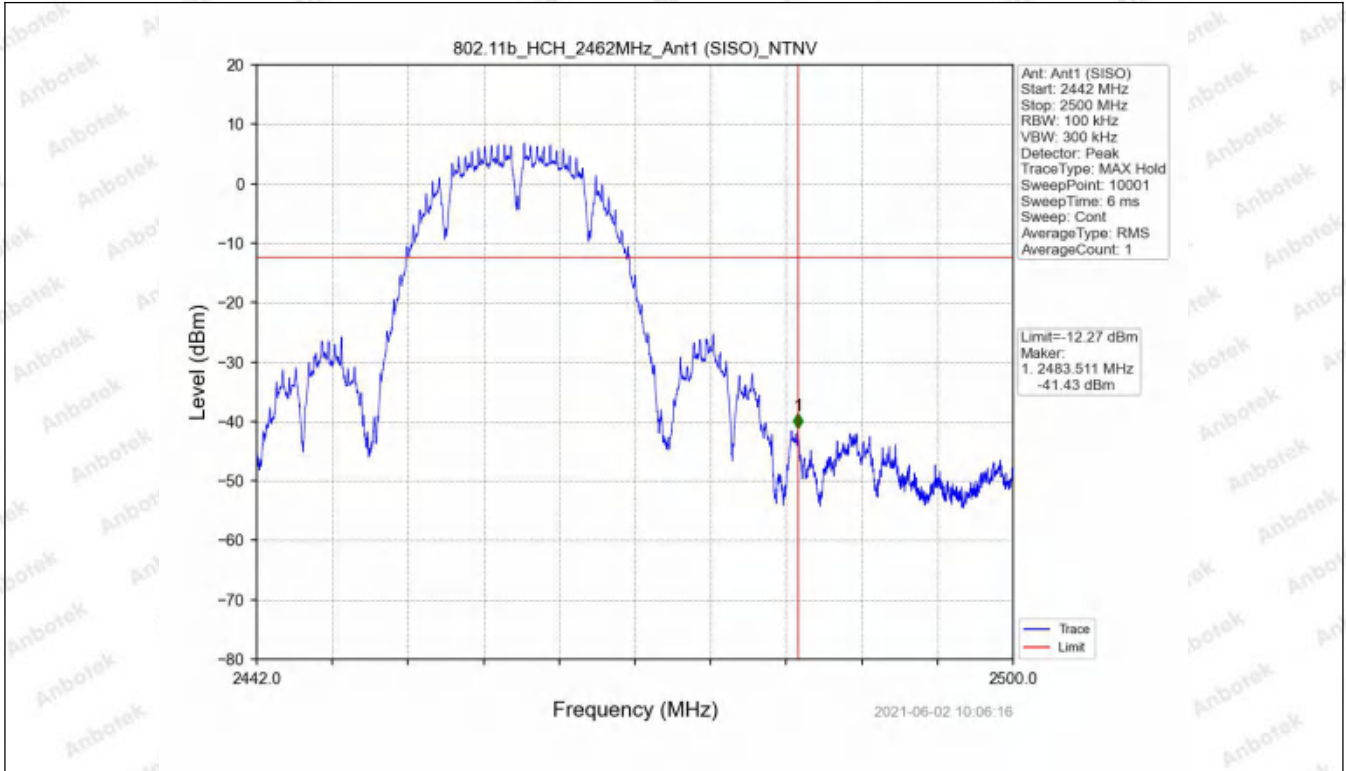
### 5.2.2 Test Graph



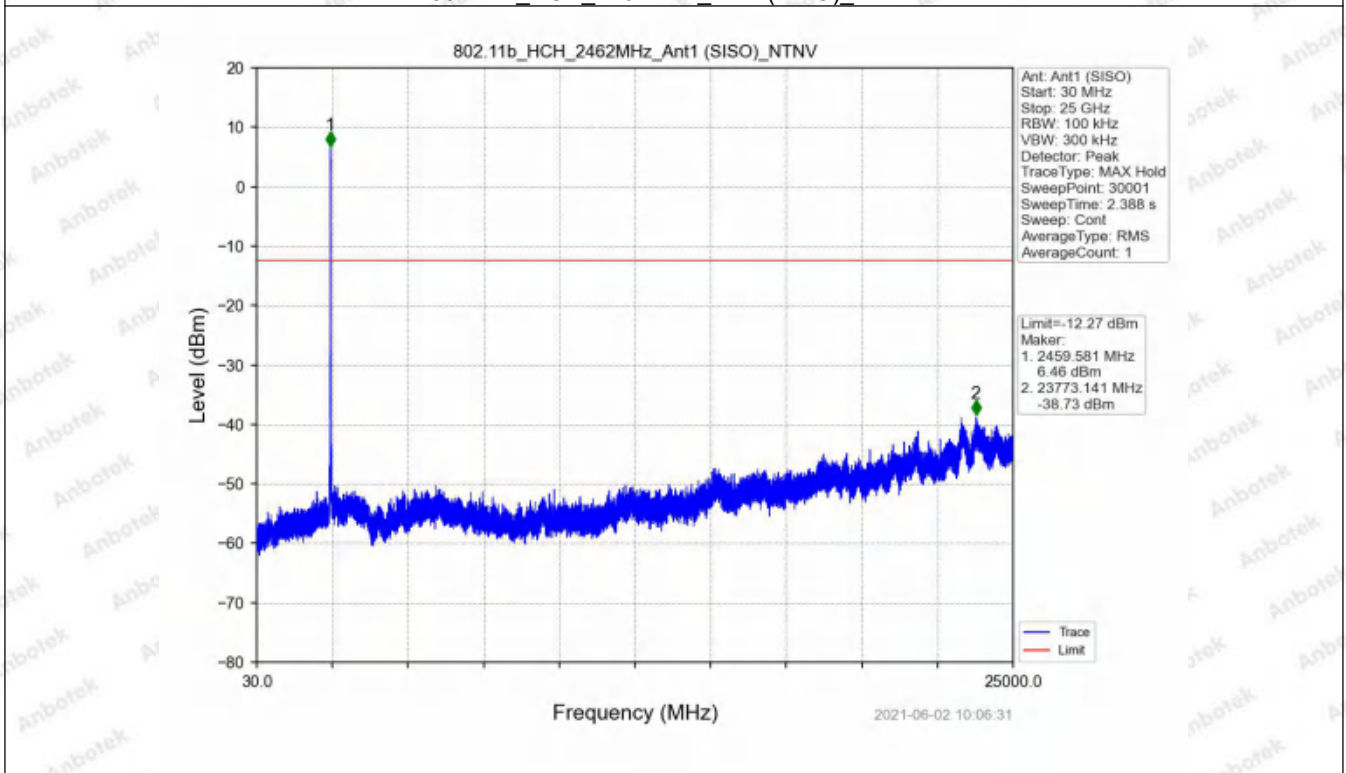


802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

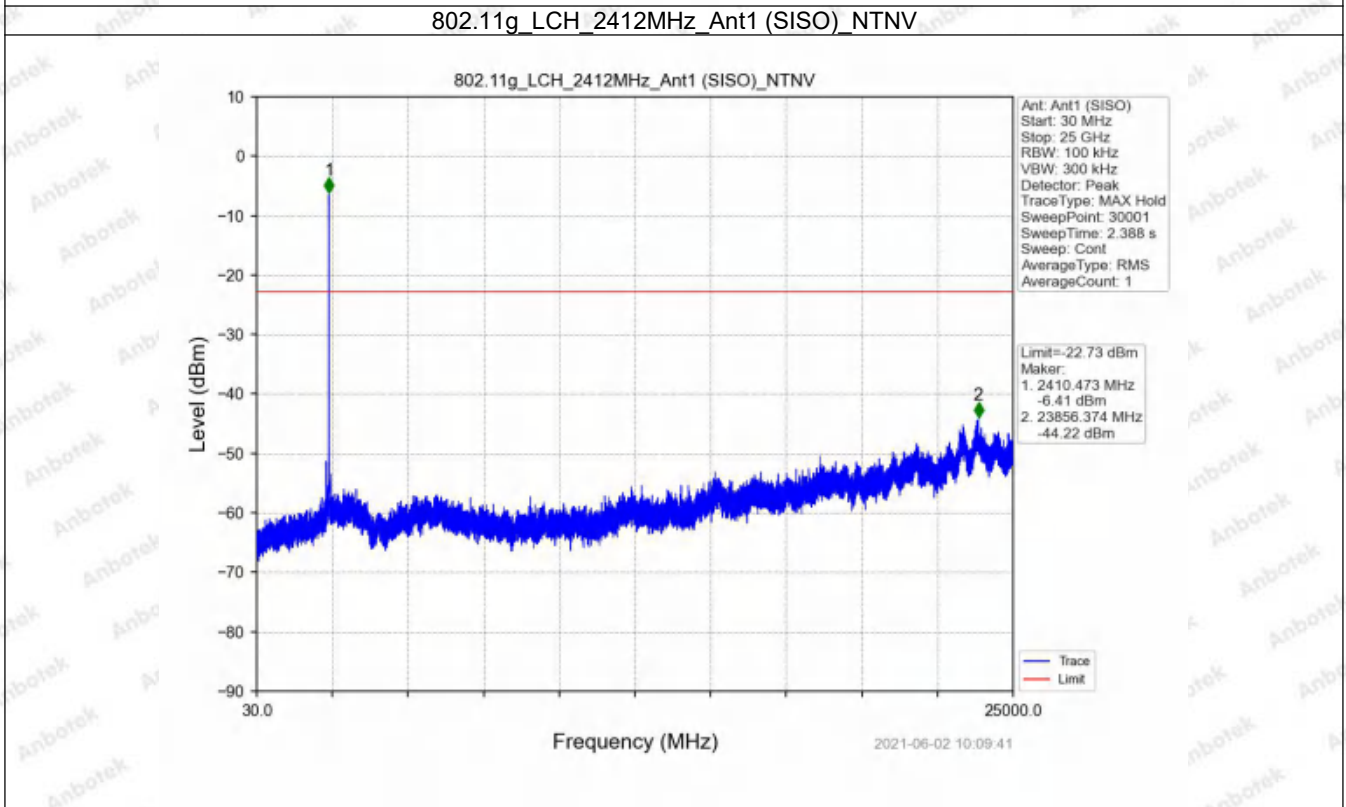
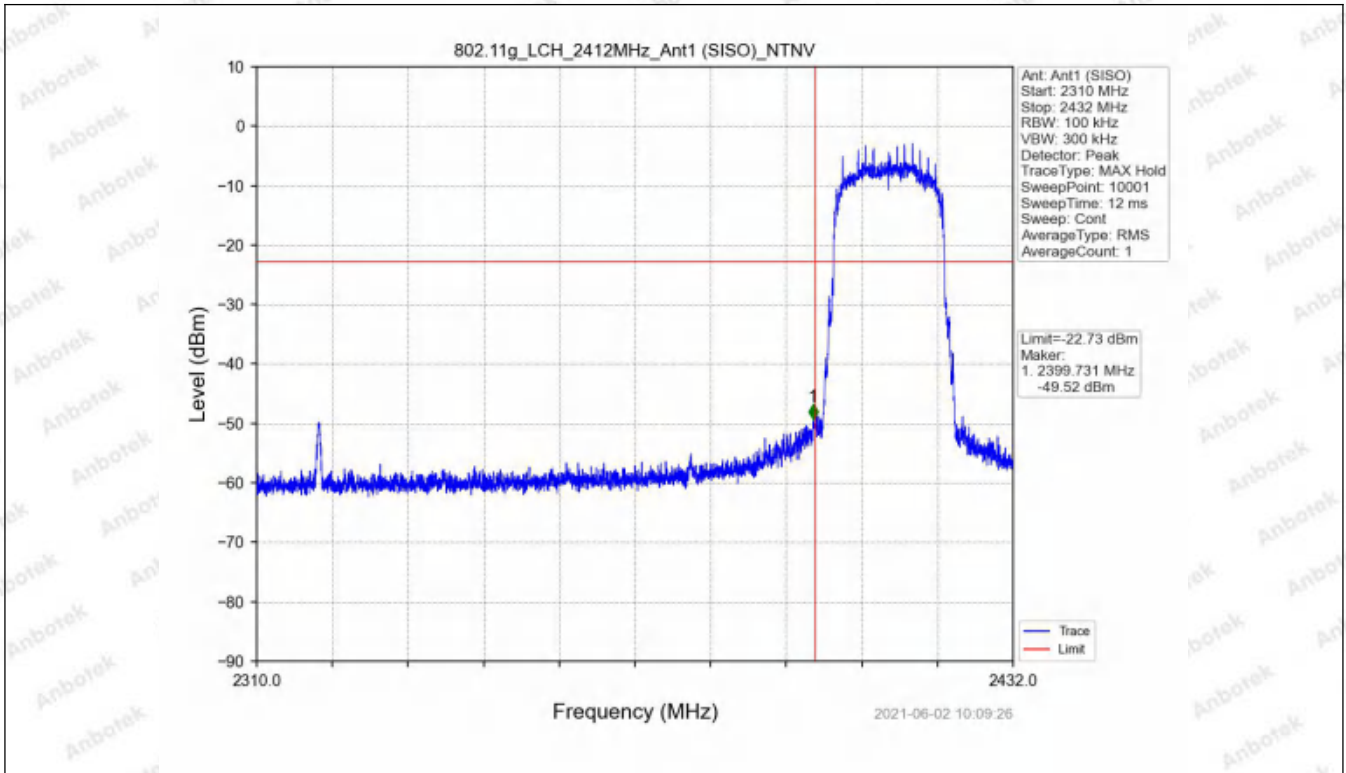




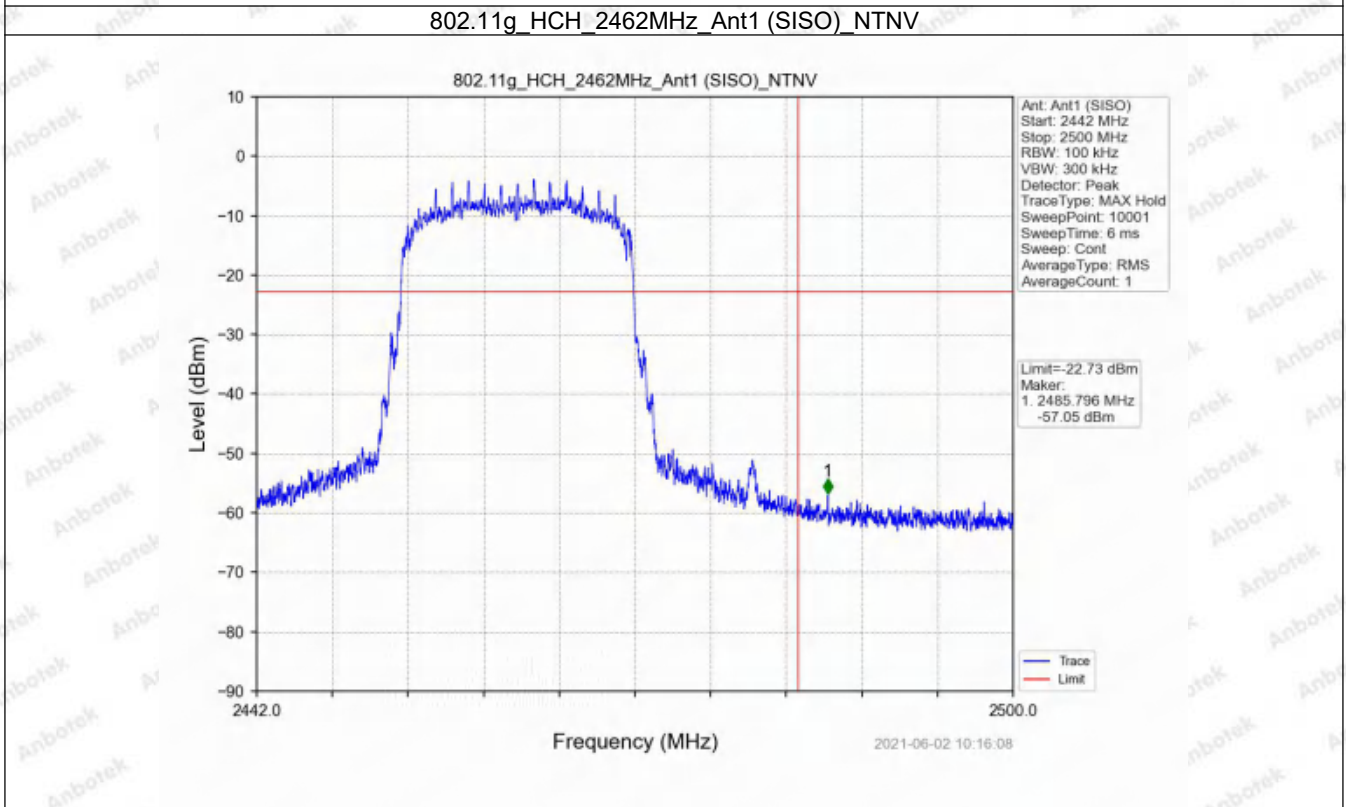
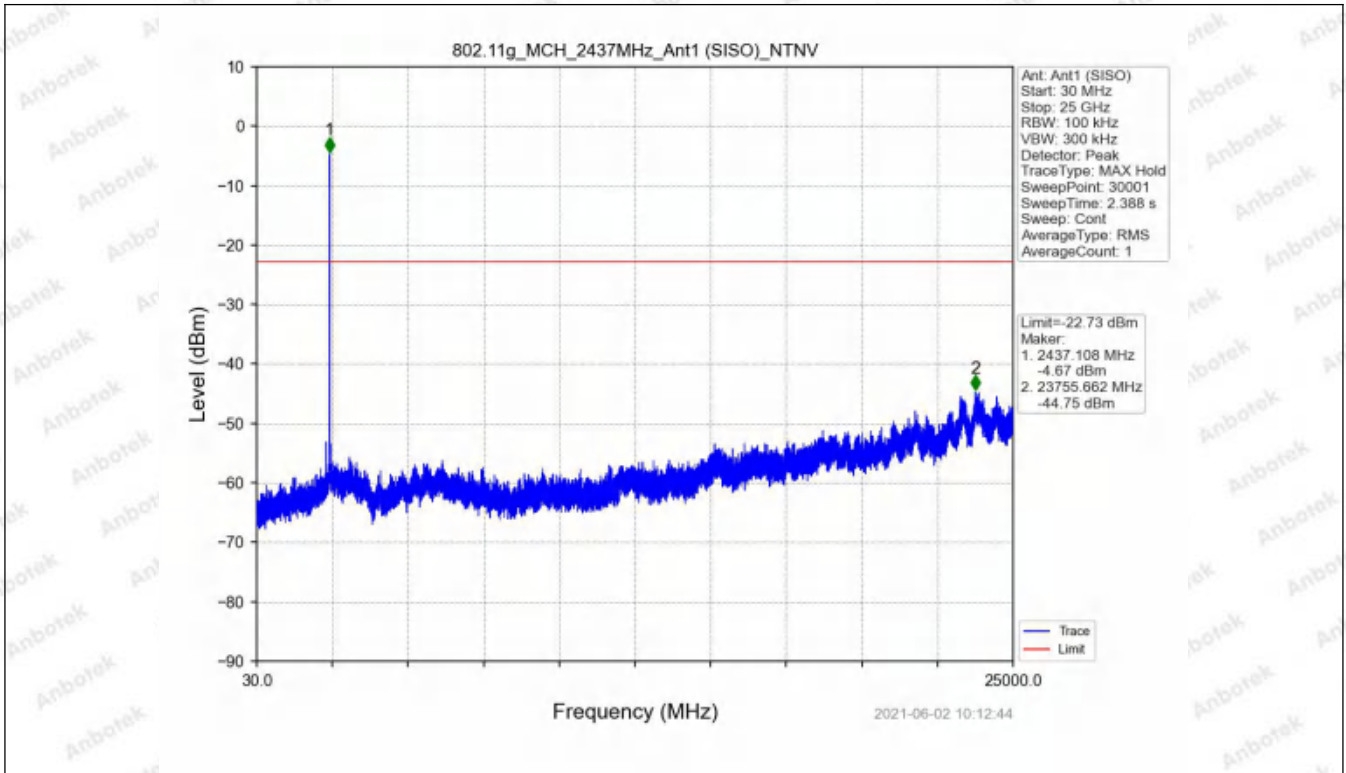
802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV

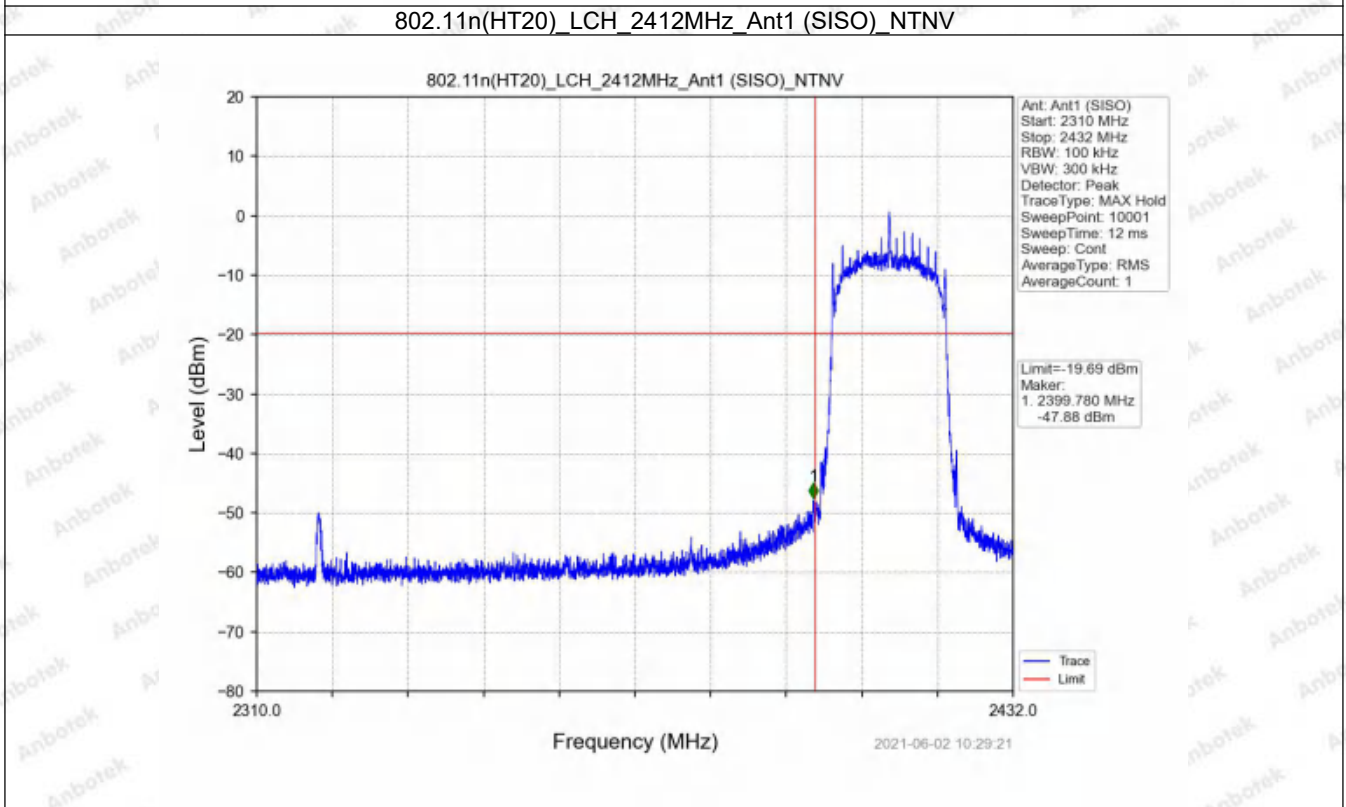
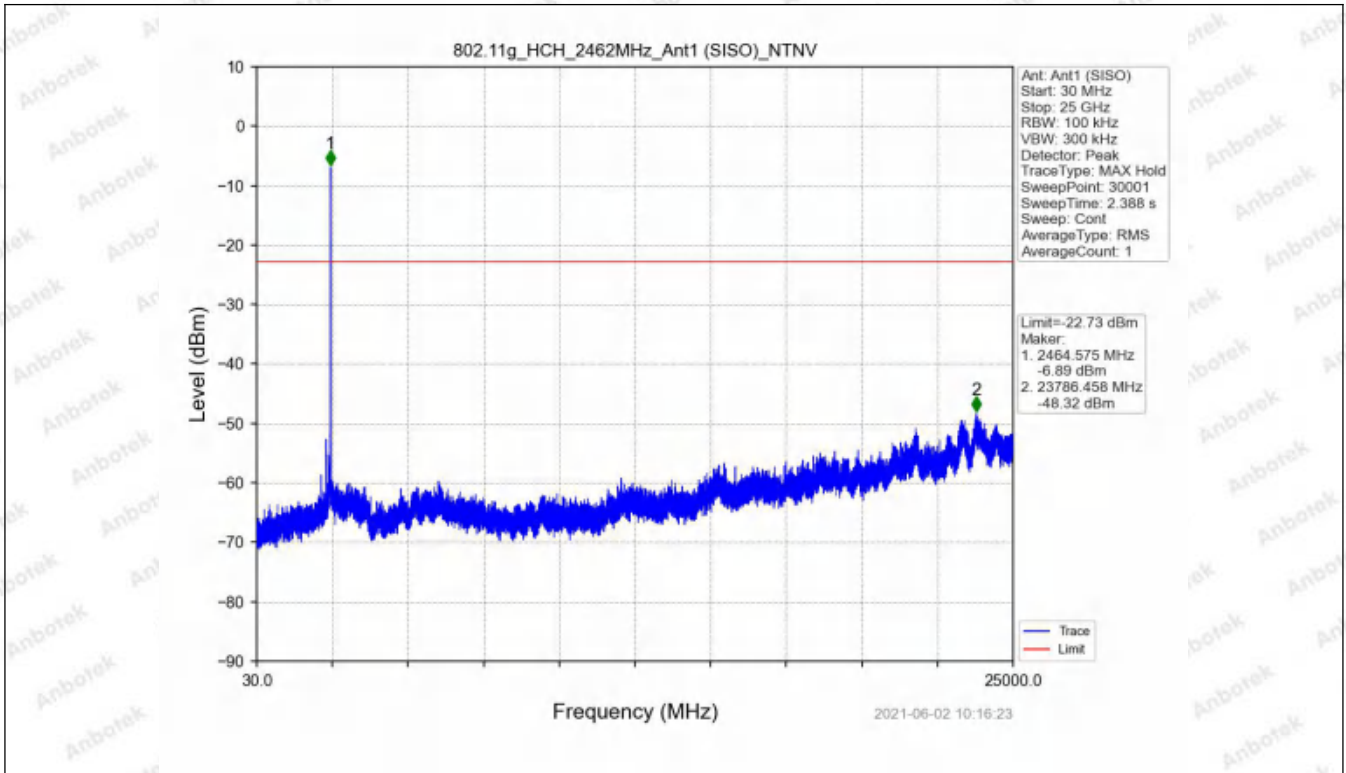


802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV

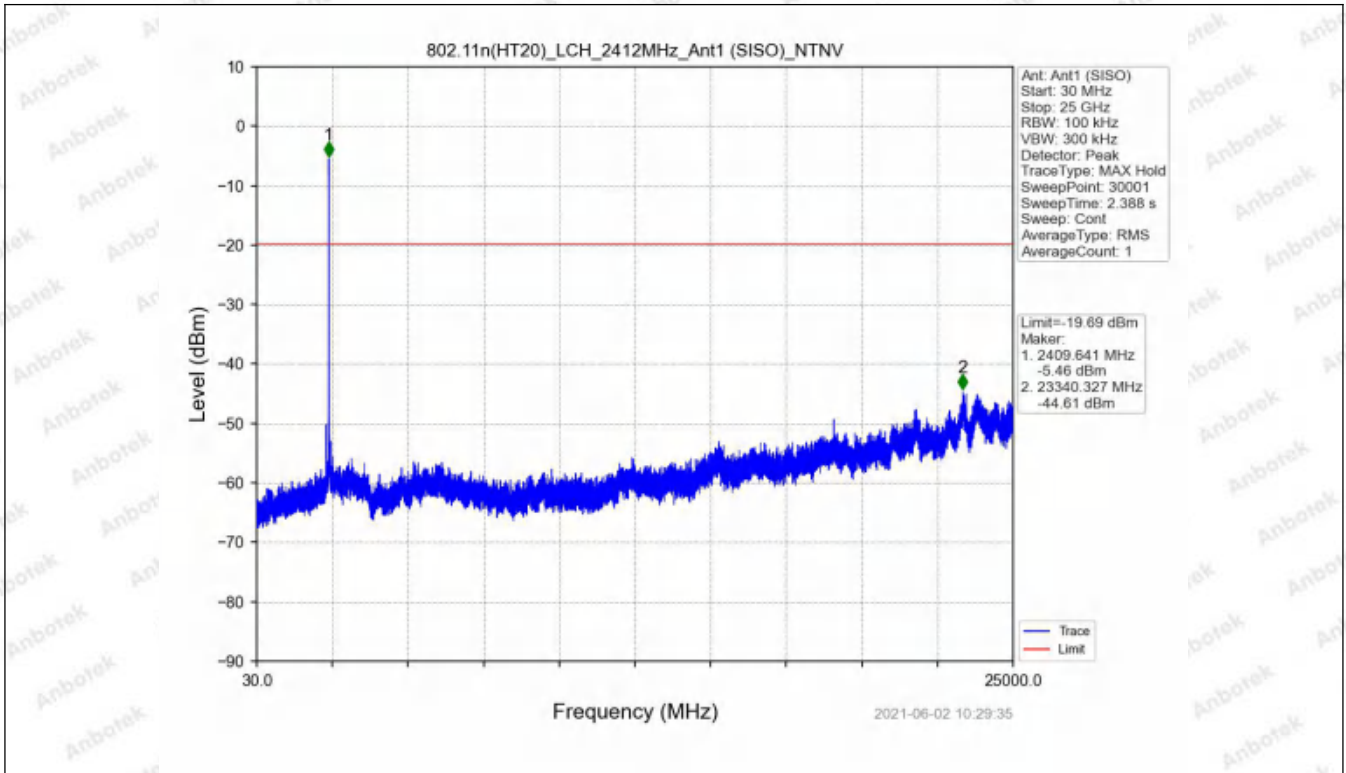


802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

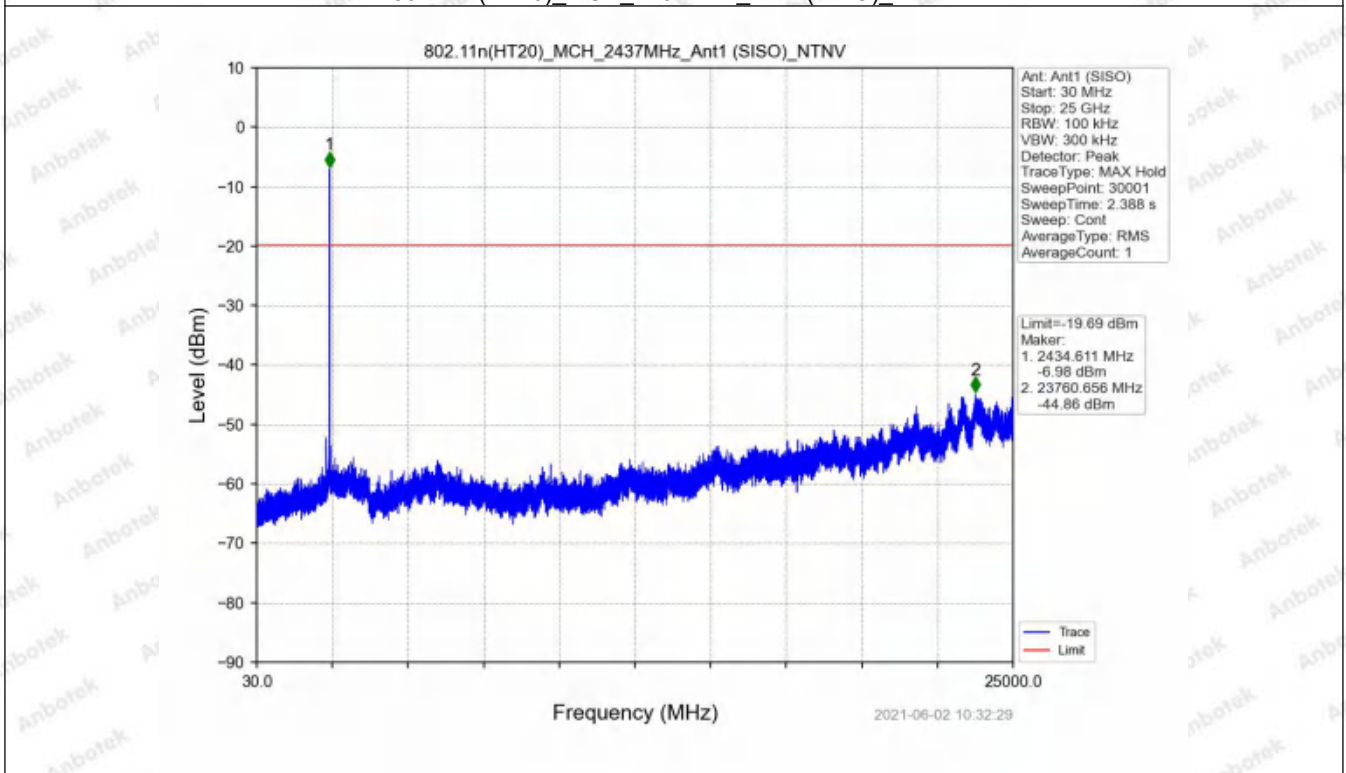




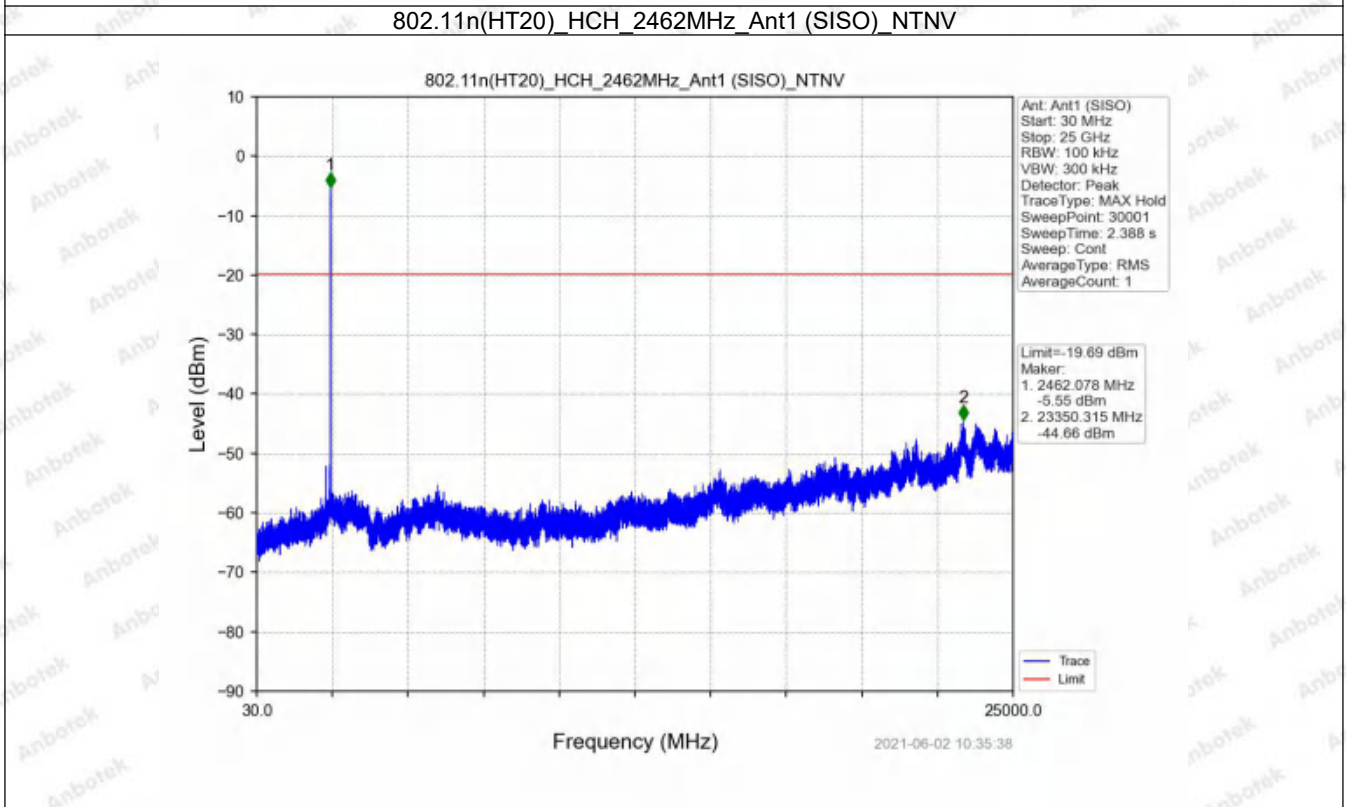
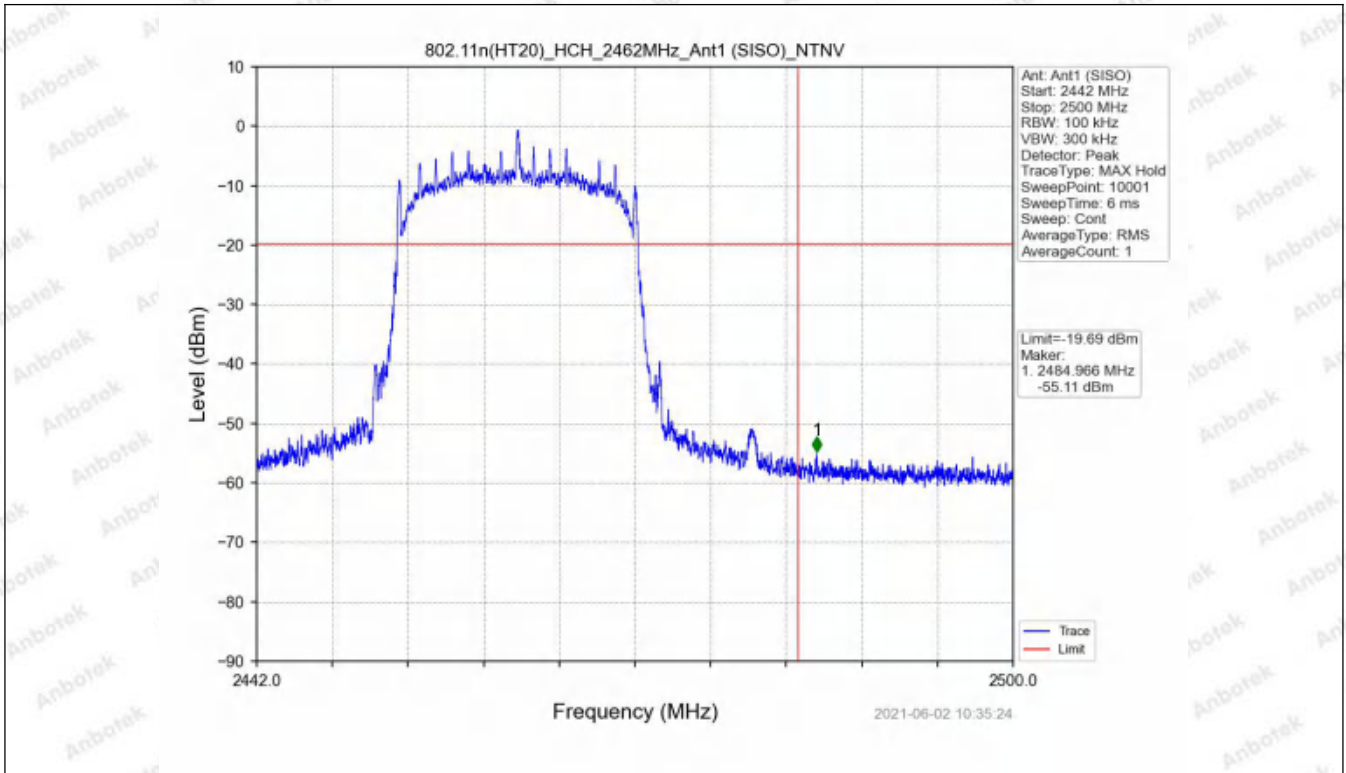
802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV

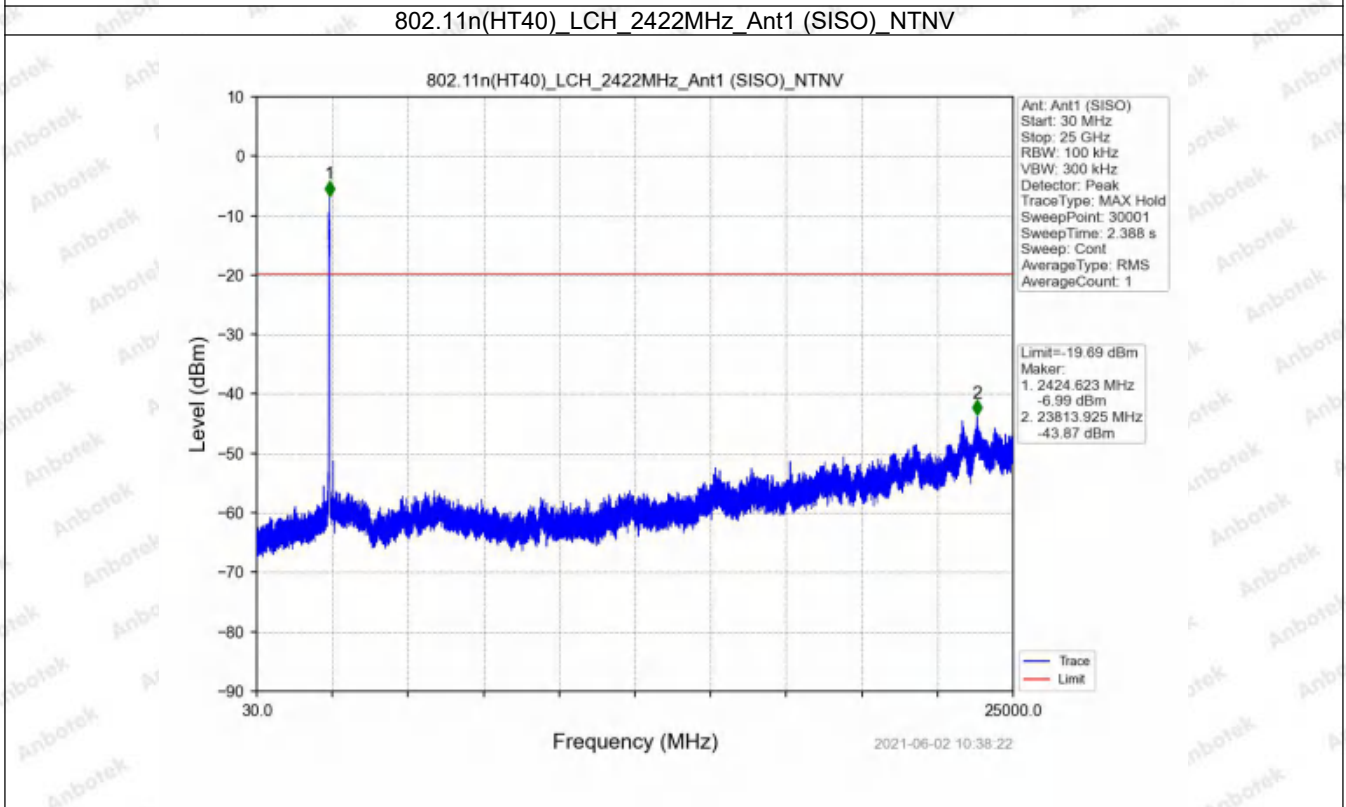
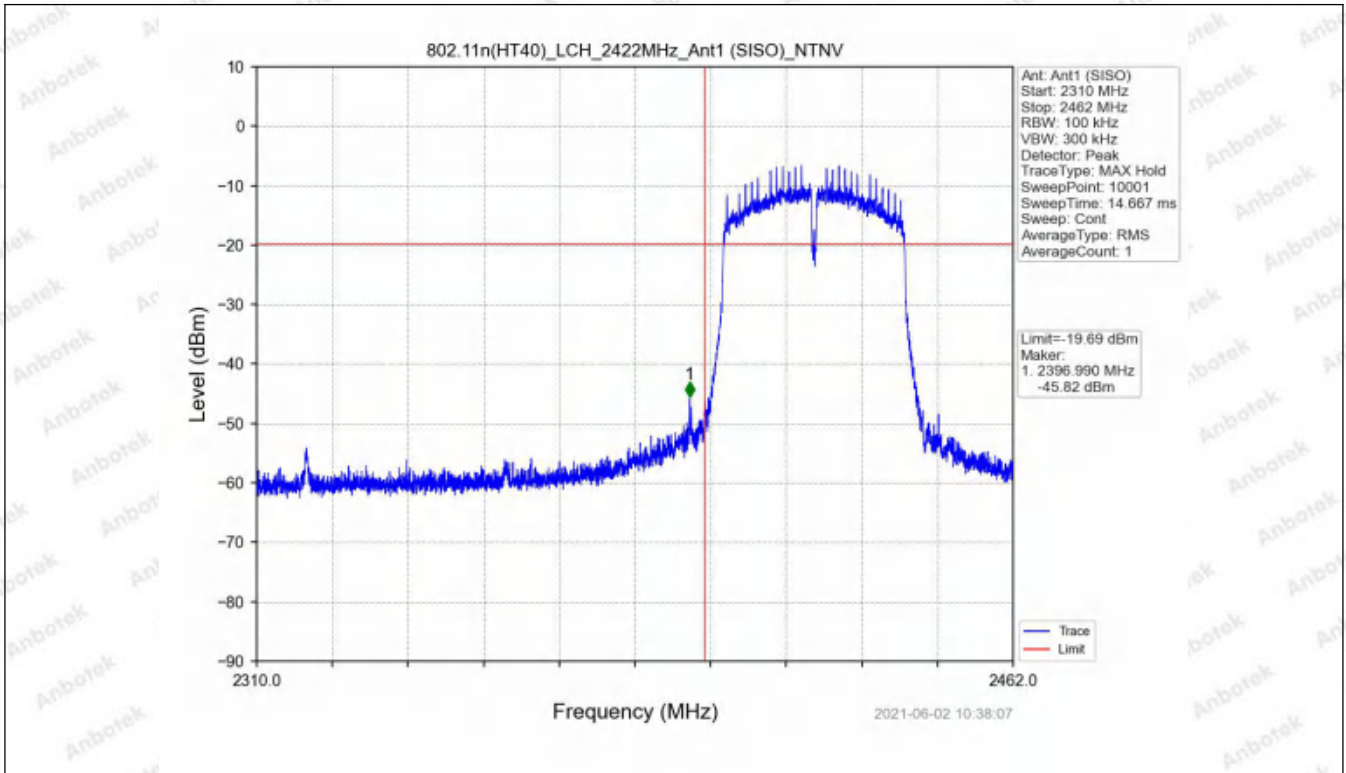


802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

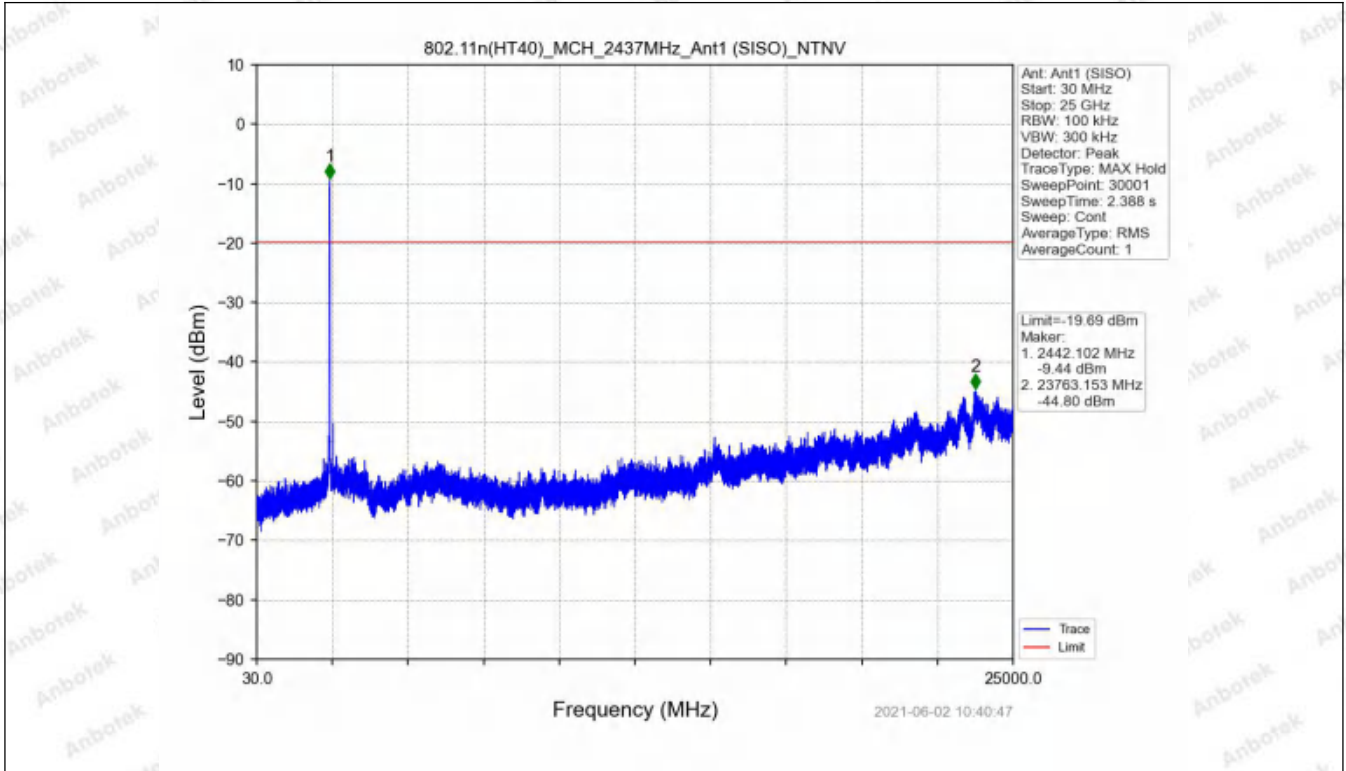


802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV

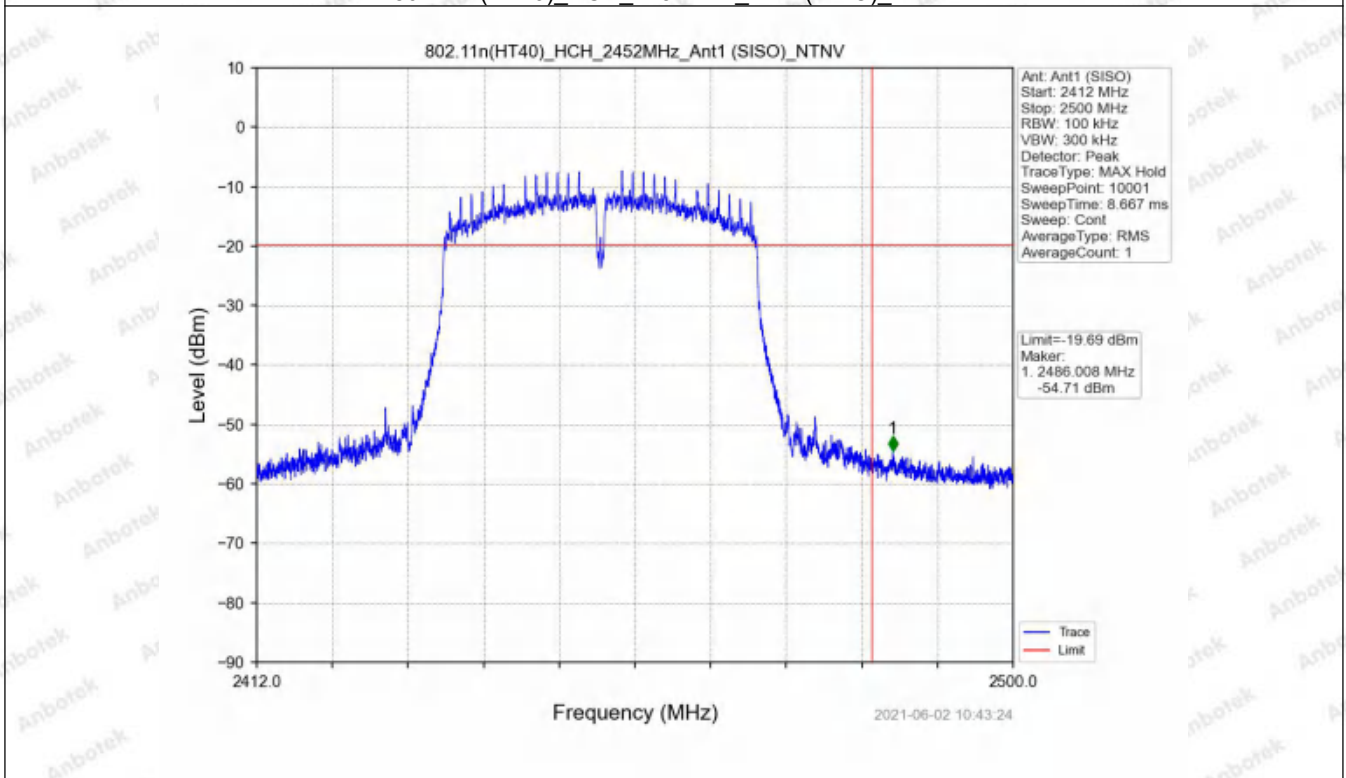




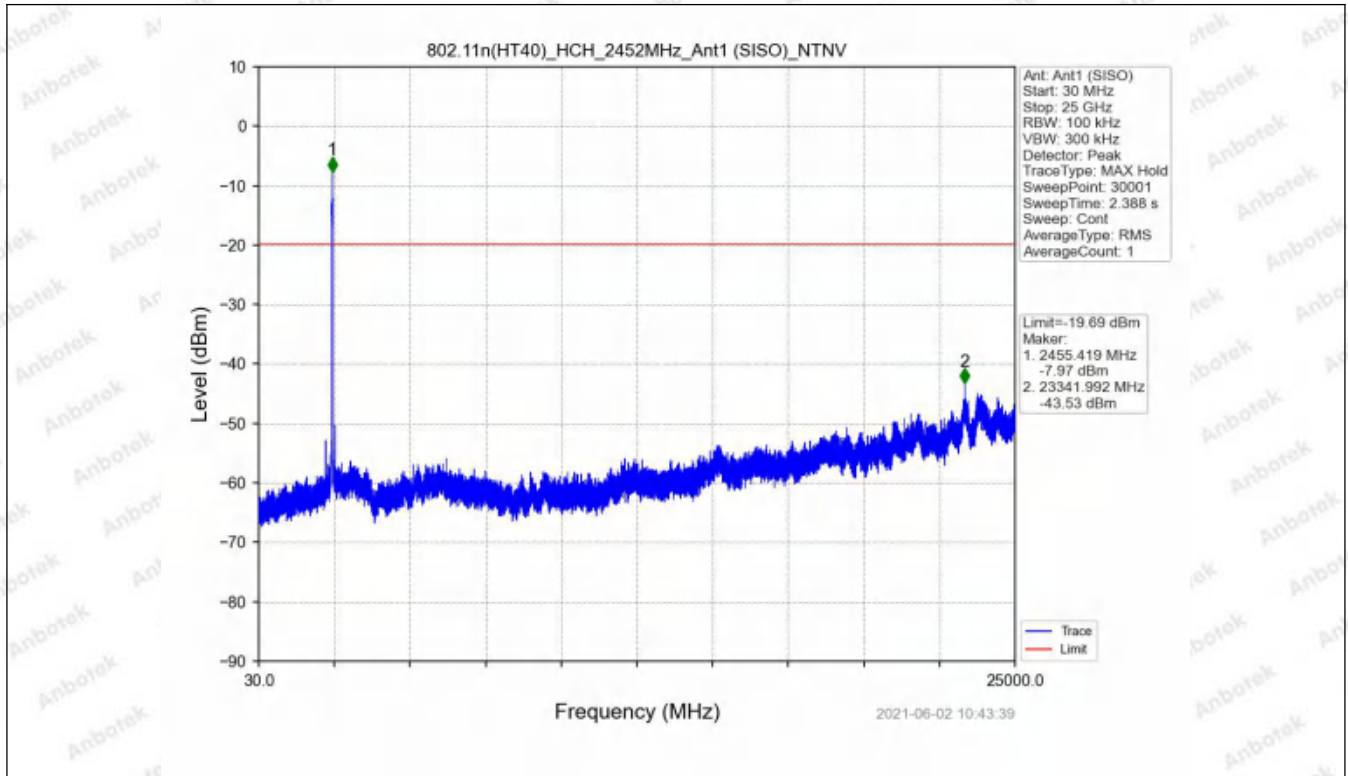
802.11n(HT40)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



802.11n(HT40)\_HCH\_2452MHz\_Ant1 (SISO)\_NTNV



802.11n(HT40)\_HCH\_2452MHz\_Ant1 (SISO)\_NTNV



---End---