

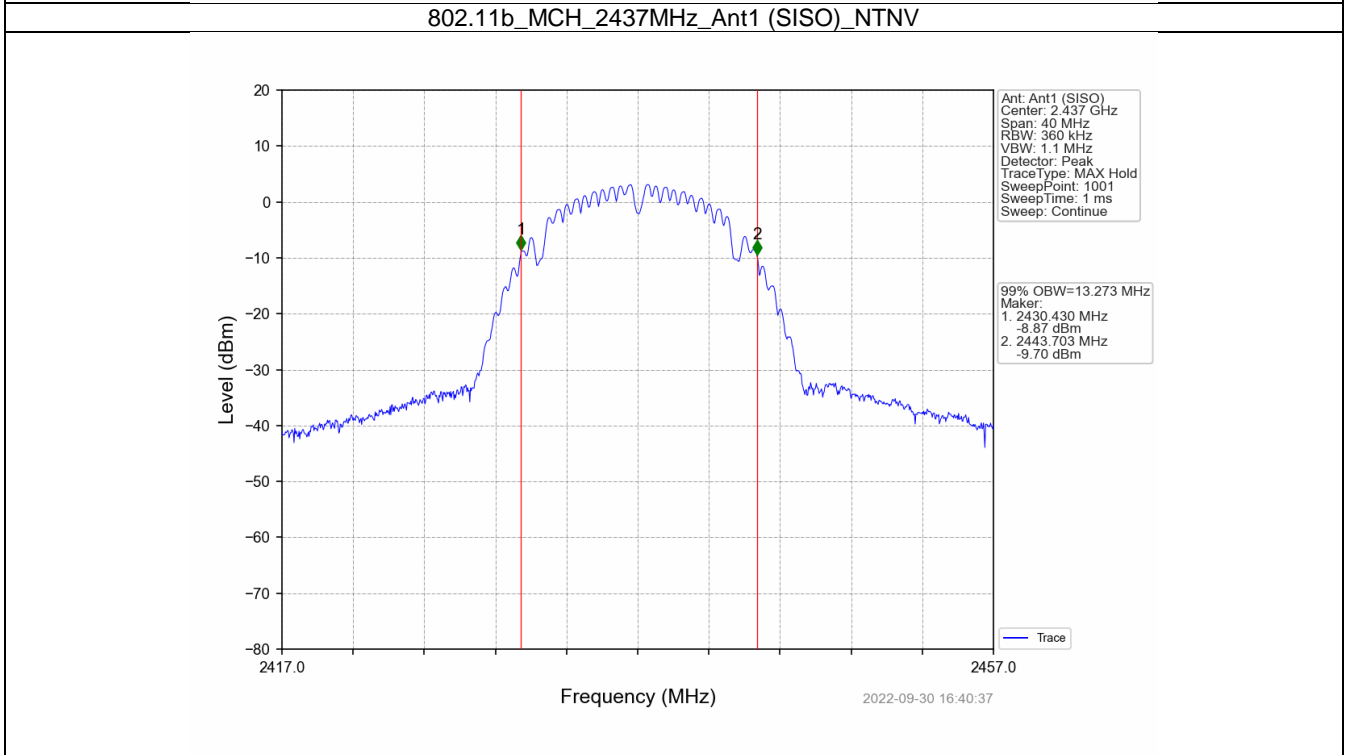
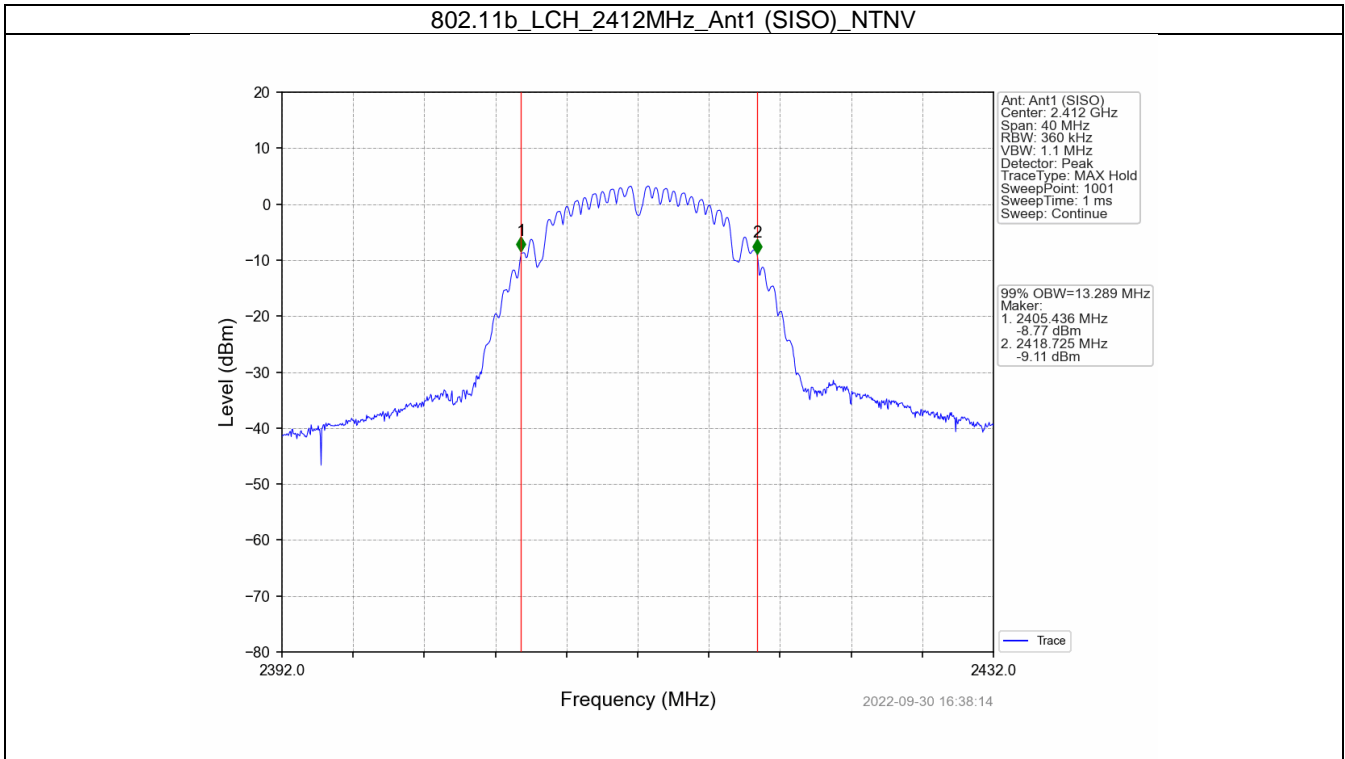
# 1 Bandwidth

## 1.1 OBW

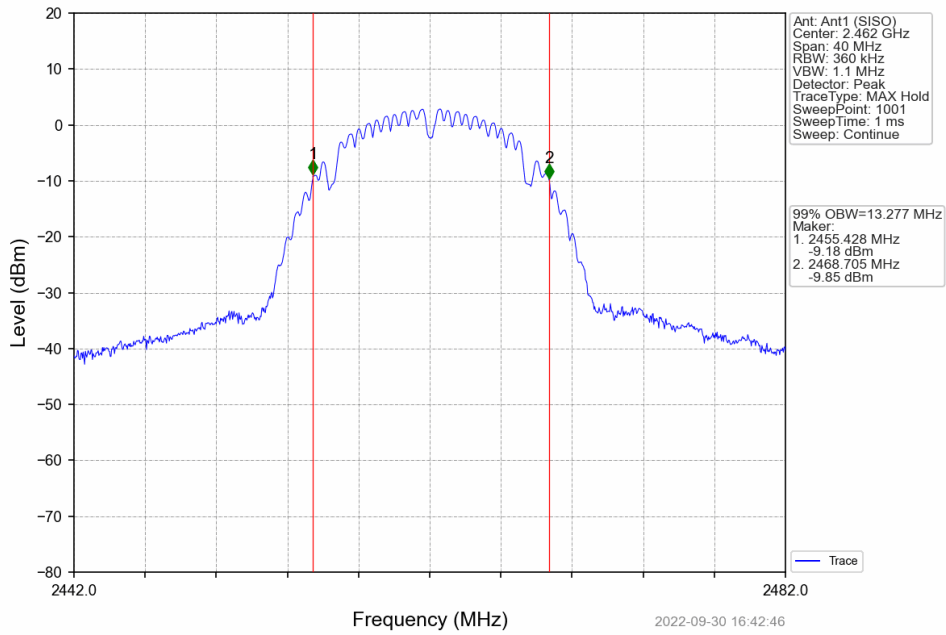
### 1.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
802.11b	SISO	2412	1	13.289	Pass
		2437	1	13.273	Pass
		2462	1	13.277	Pass
802.11g	SISO	2412	1	18.574	Pass
		2437	1	18.502	Pass
		2462	1	18.520	Pass
802.11n (HT20)	SISO	2412	1	19.285	Pass
		2437	1	19.241	Pass
		2462	1	19.261	Pass

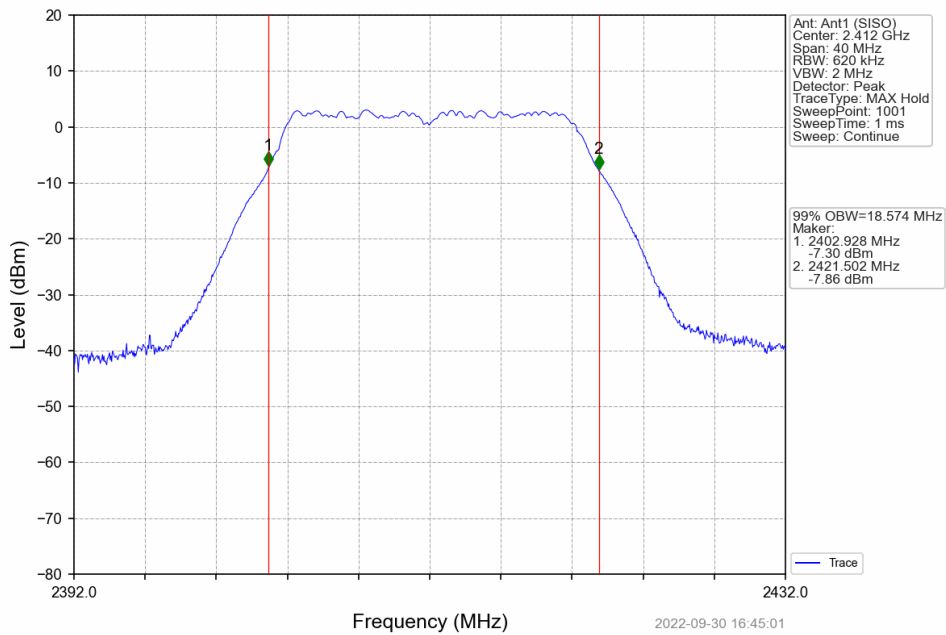
1.1.2 Test Graph



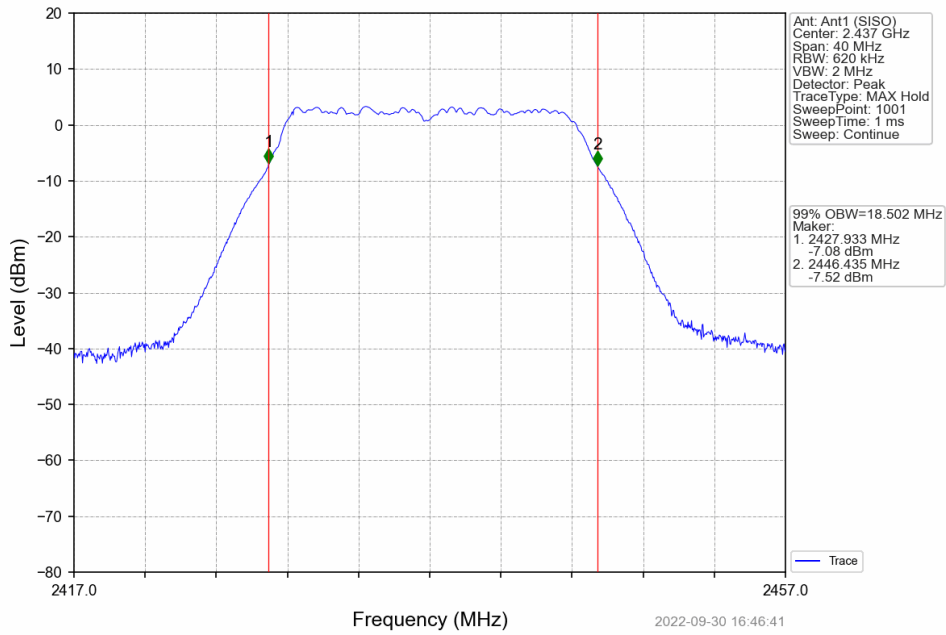
802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



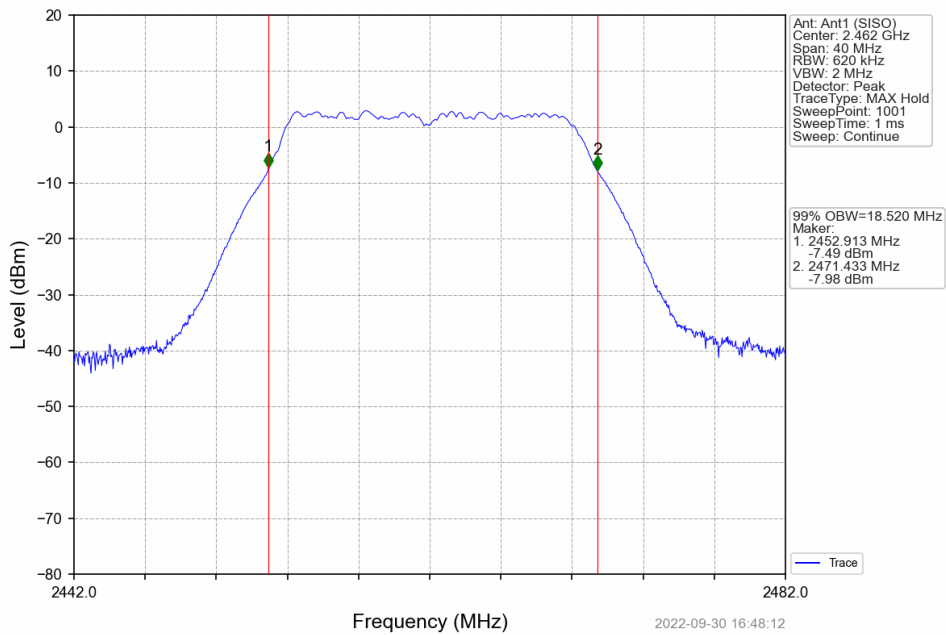
802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



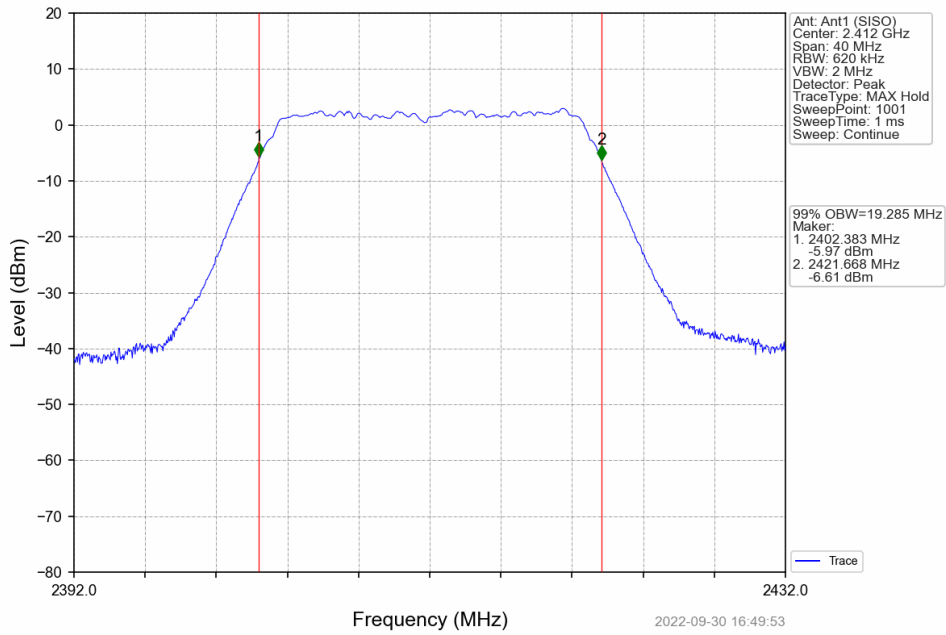
802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



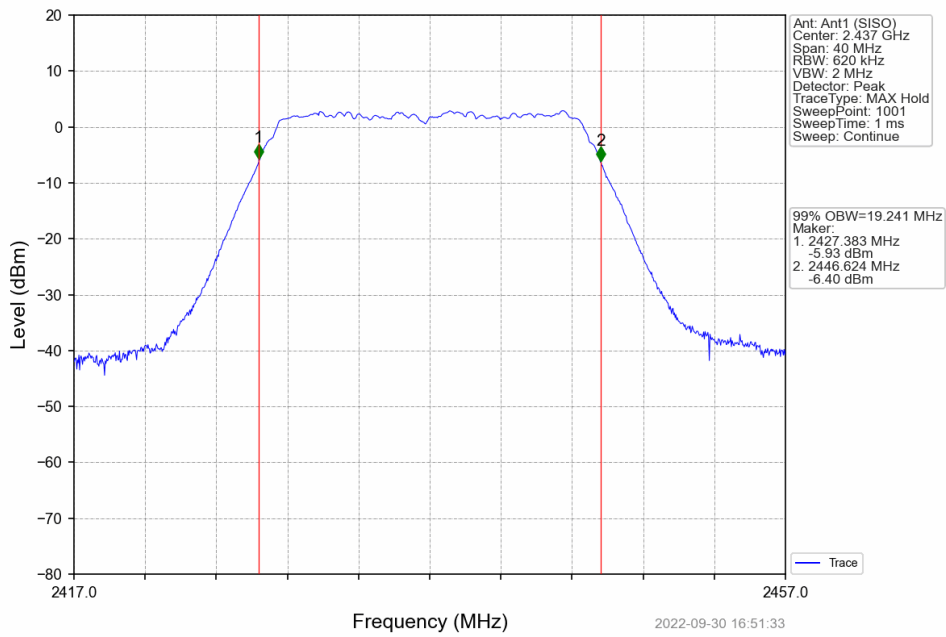
802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



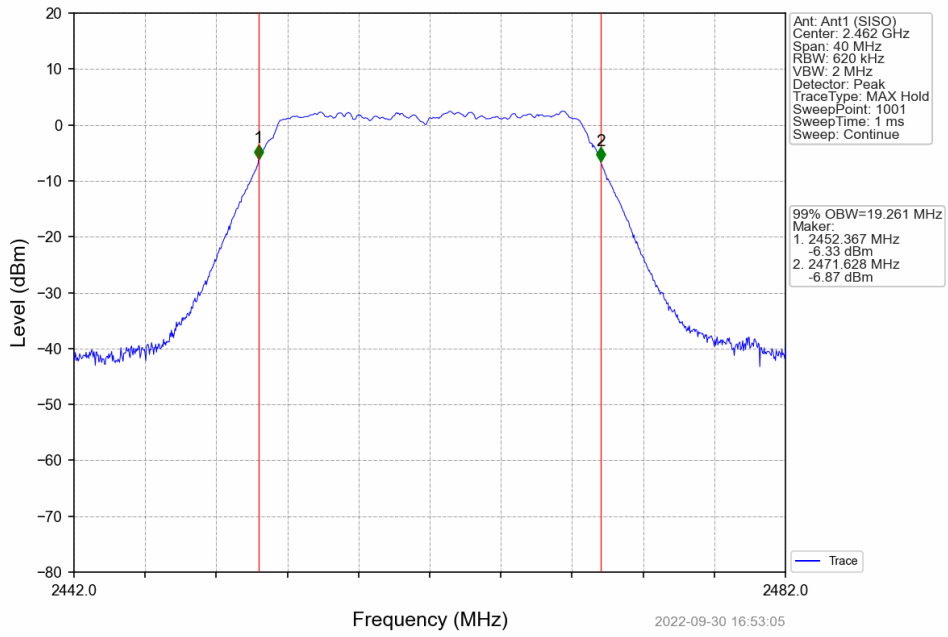
802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



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



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

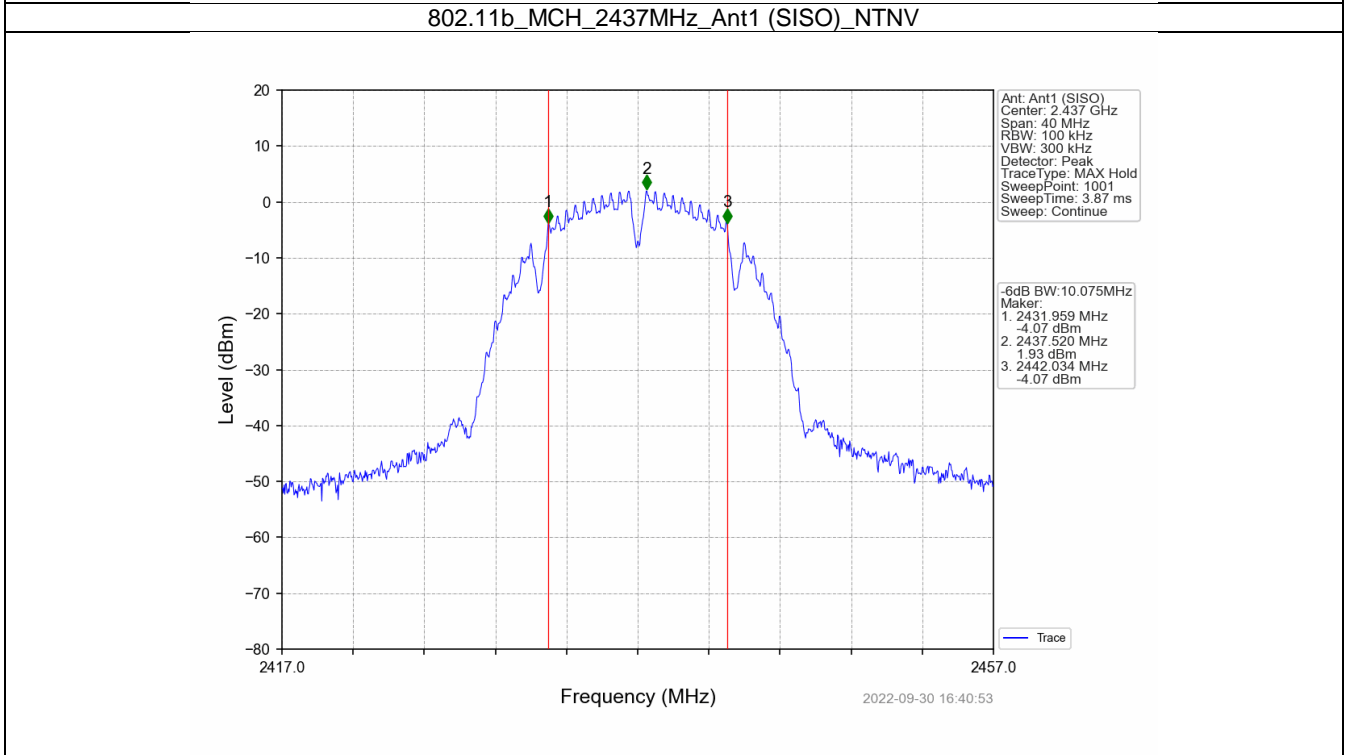
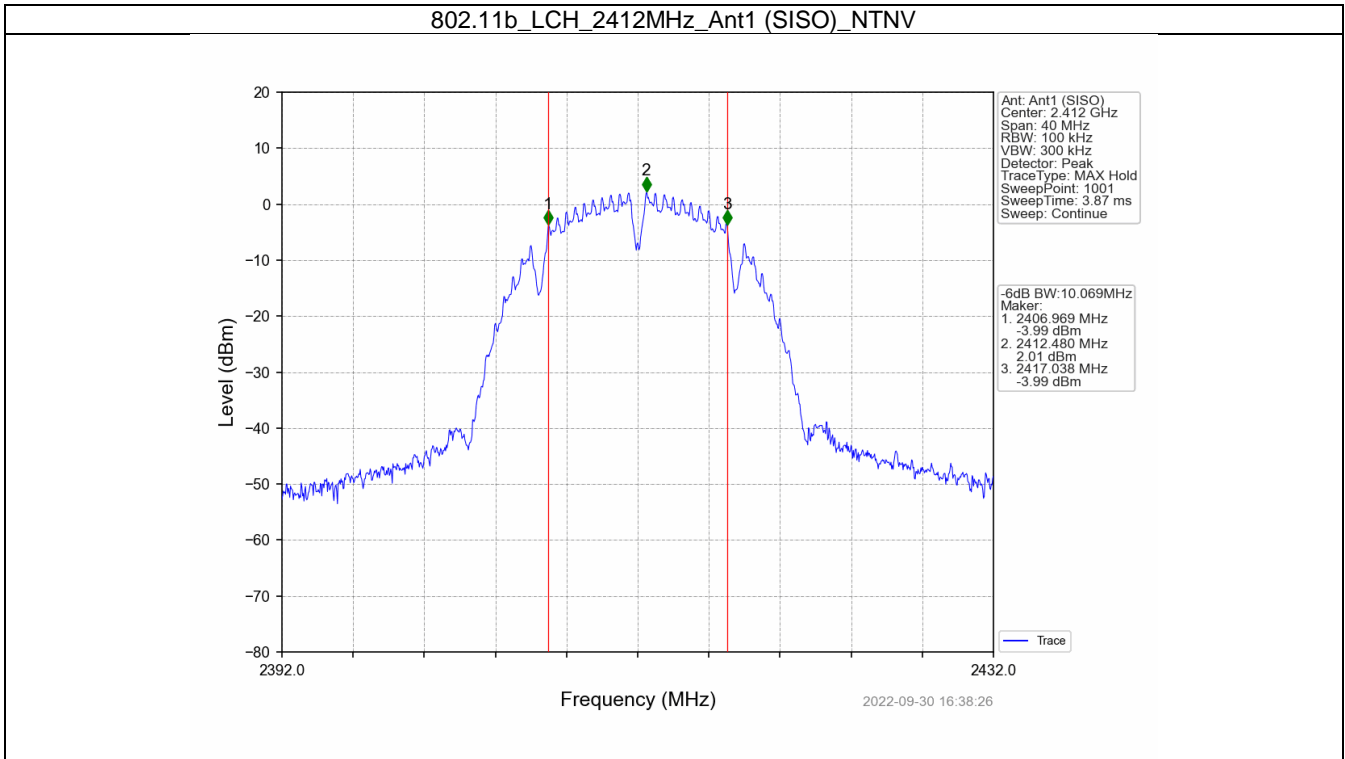


1.2 6dB BW

1.2.1 Test Result

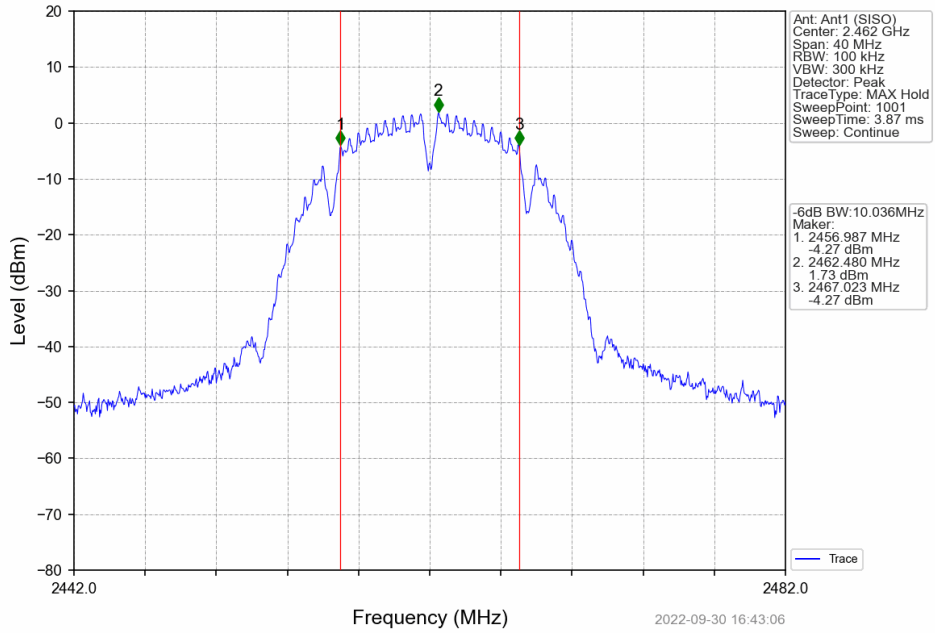
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	10.069	>=0.5	Pass
		2437	1	10.075	>=0.5	Pass
		2462	1	10.036	>=0.5	Pass
802.11g	SISO	2412	1	16.393	>=0.5	Pass
		2437	1	16.400	>=0.5	Pass
		2462	1	16.397	>=0.5	Pass
802.11n (HT20)	SISO	2412	1	17.641	>=0.5	Pass
		2437	1	17.634	>=0.5	Pass
		2462	1	17.627	>=0.5	Pass

1.2.2 Test Graph

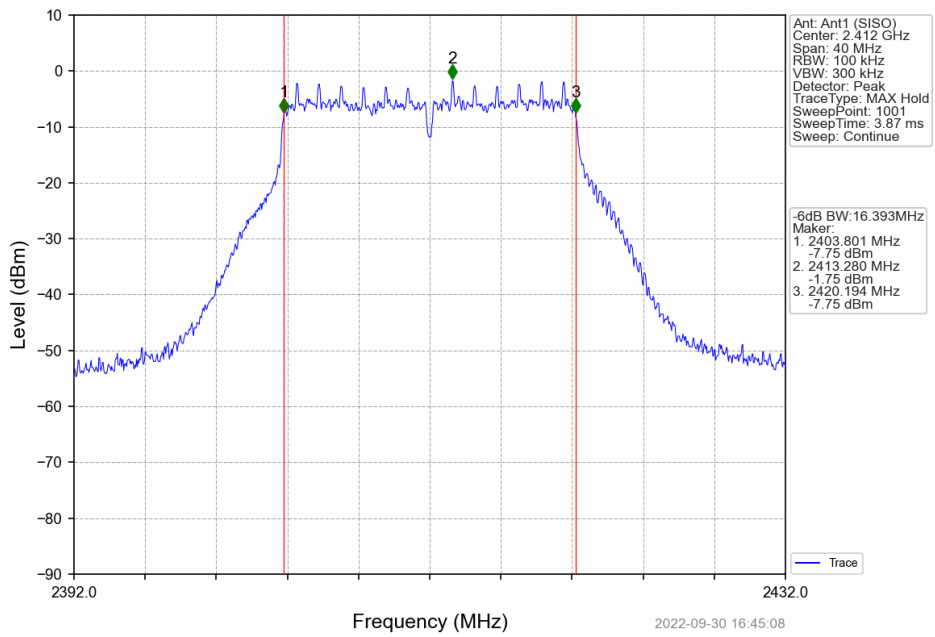




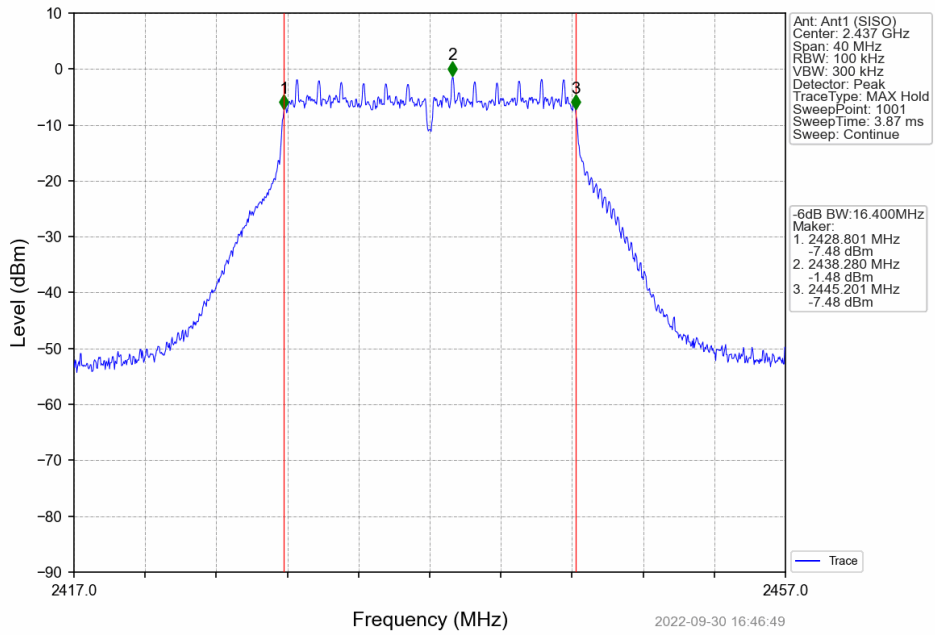
802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



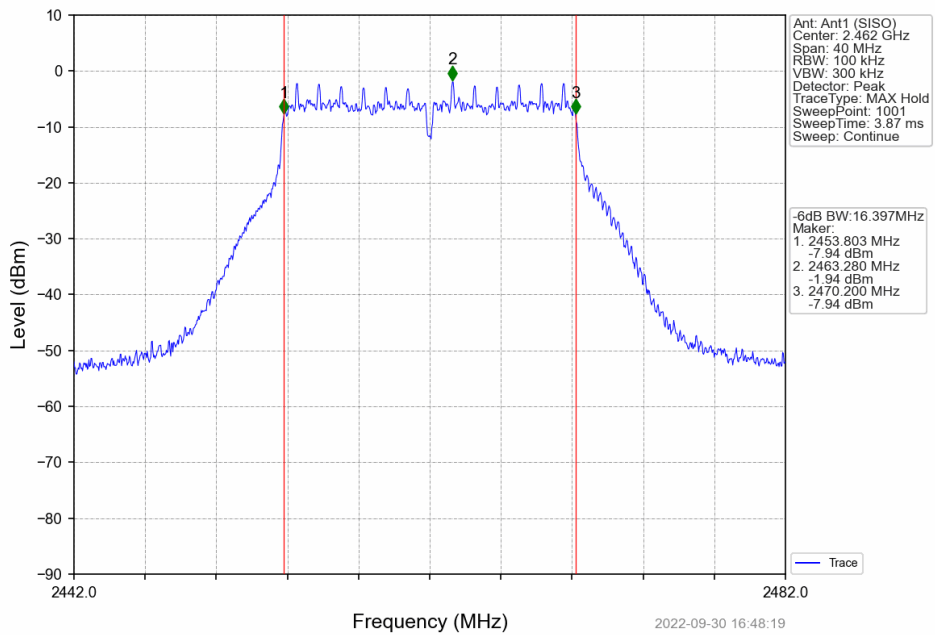
802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



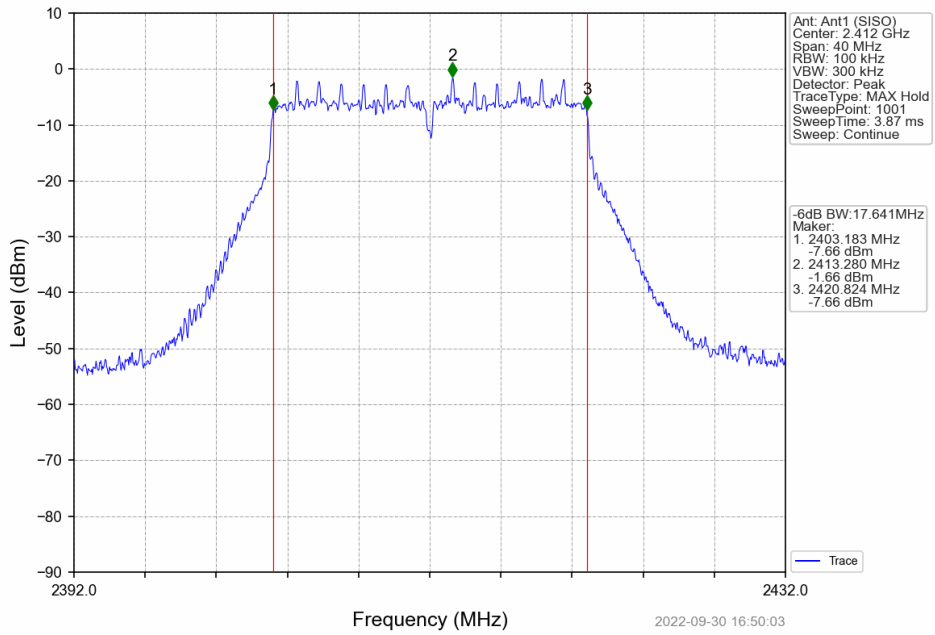
802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



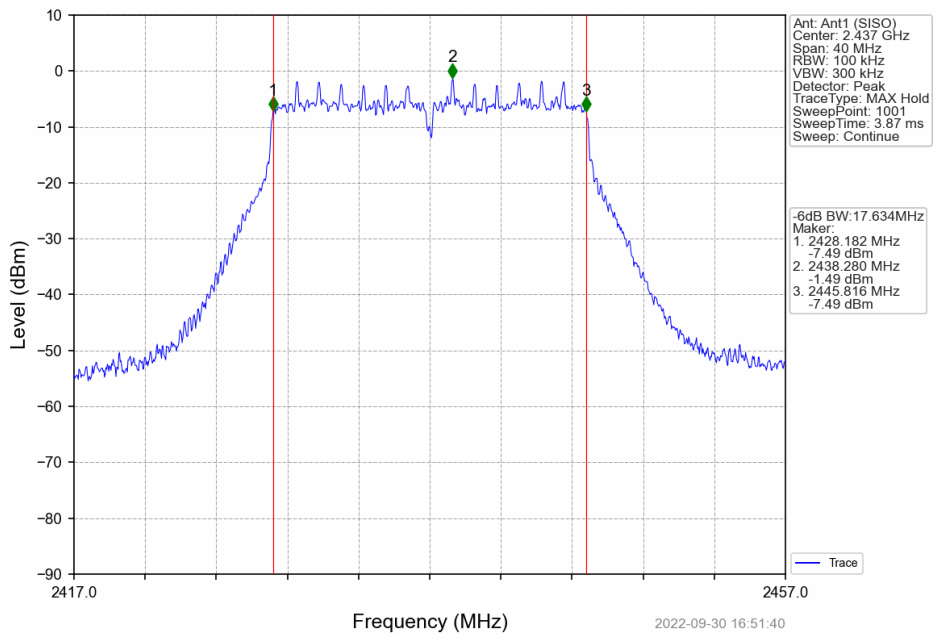
802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



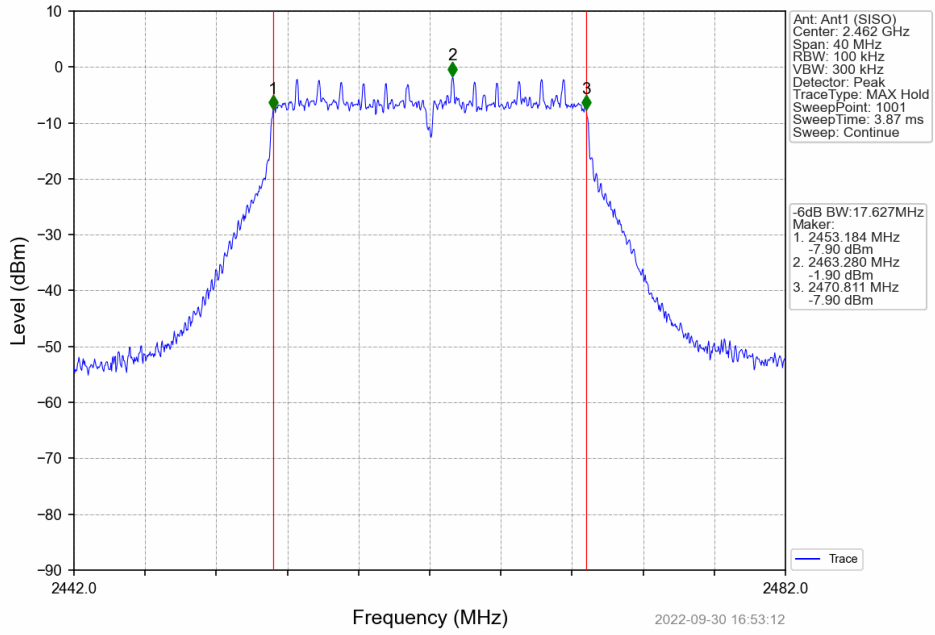
802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



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



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



## 2 Maximum Conducted Output Power

### 2.1 Power

#### 2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	11.23	<=30	Pass
		2437	11.19	<=30	Pass
		2462	10.92	<=30	Pass
802.11g	SISO	2412	9.40	<=30	Pass
		2437	9.61	<=30	Pass
		2462	9.18	<=30	Pass
802.11n (HT20)	SISO	2412	9.45	<=30	Pass
		2437	9.60	<=30	Pass
		2462	9.16	<=30	Pass

Note1: Antenna Gain: Ant1: 3.00dBi;

### 3 Maximum Power Spectral Density

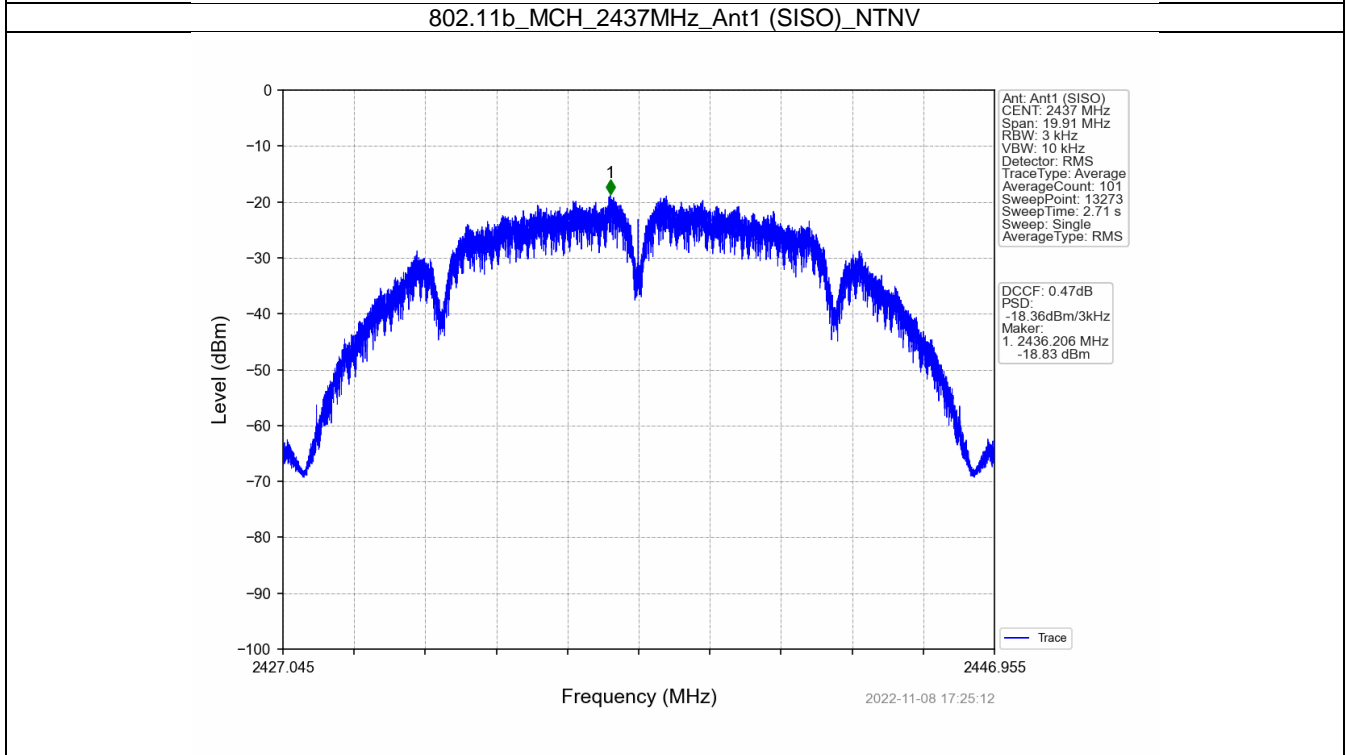
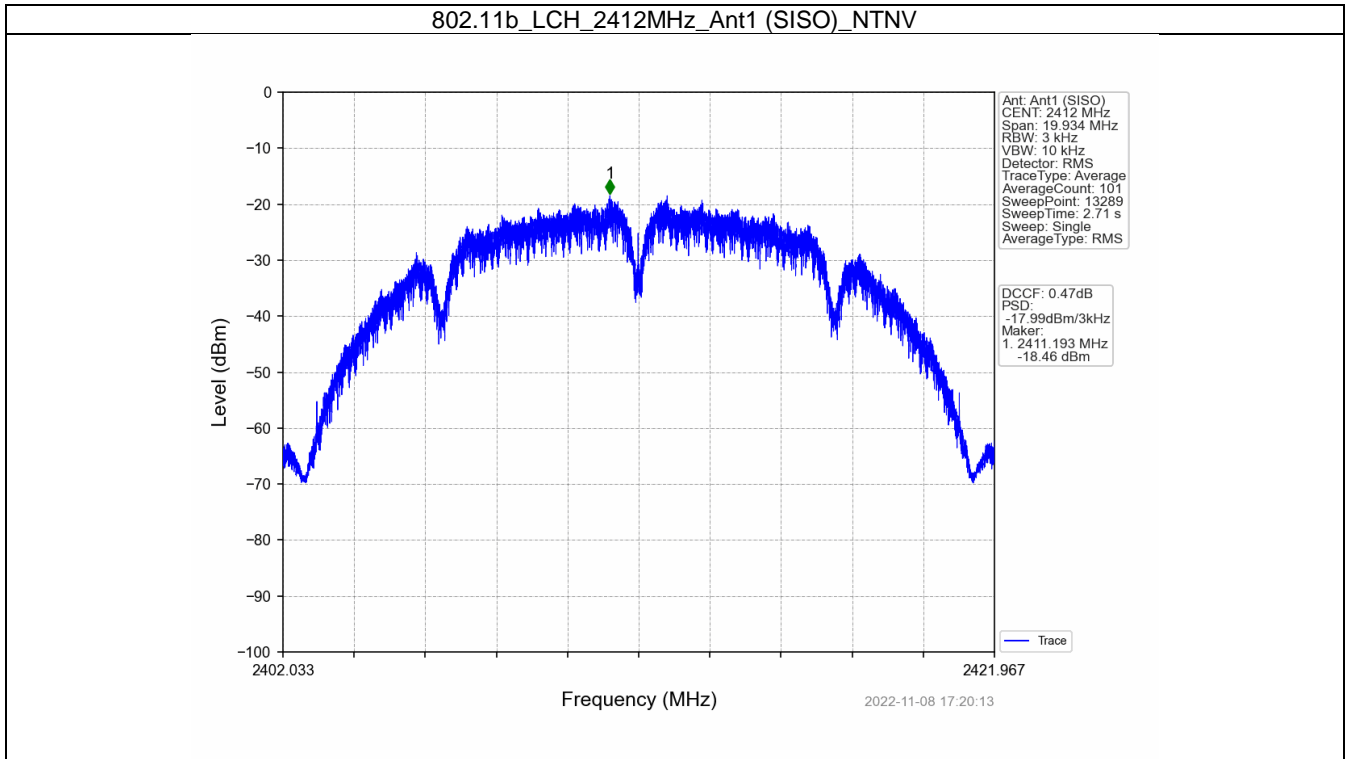
#### 3.1 PSD

##### 3.1.1 Test Result

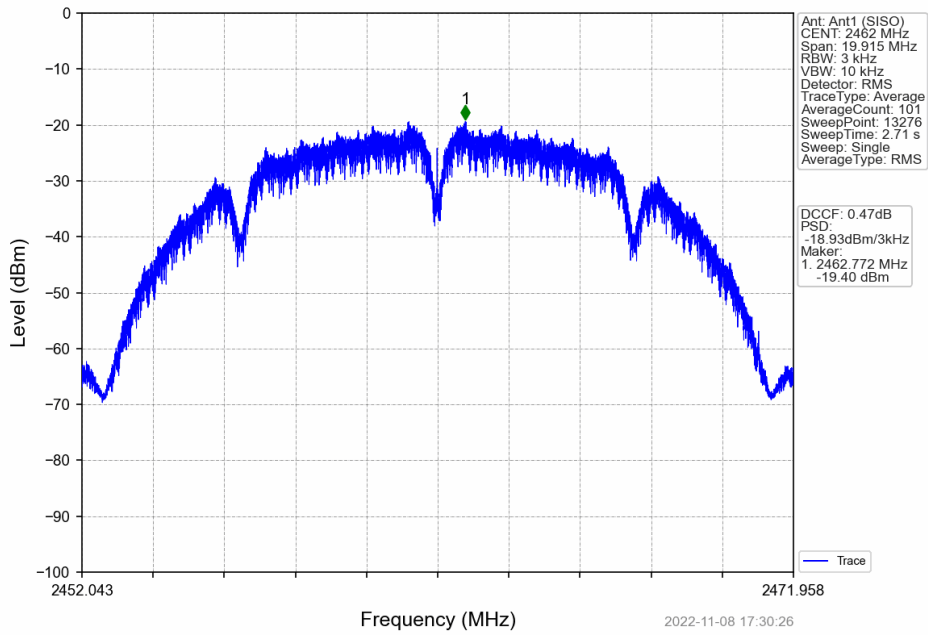
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	-17.99	<=8	Pass
		2437	-18.36	<=8	Pass
		2462	-18.93	<=8	Pass
802.11g	SISO	2412	-20.65	<=8	Pass
		2437	-20.85	<=8	Pass
		2462	-20.67	<=8	Pass
802.11n (HT20)	SISO	2412	-21.12	<=8	Pass
		2437	-20.39	<=8	Pass
		2462	-20.82	<=8	Pass

Note1: Antenna Gain: Ant1: 3.00dBi;

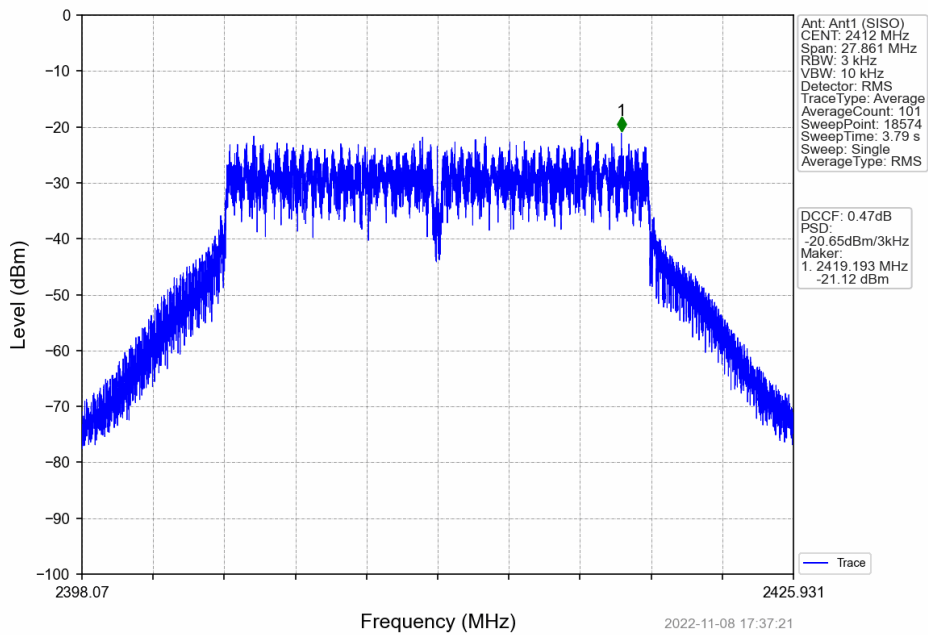
3.1.2 Test Graph



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

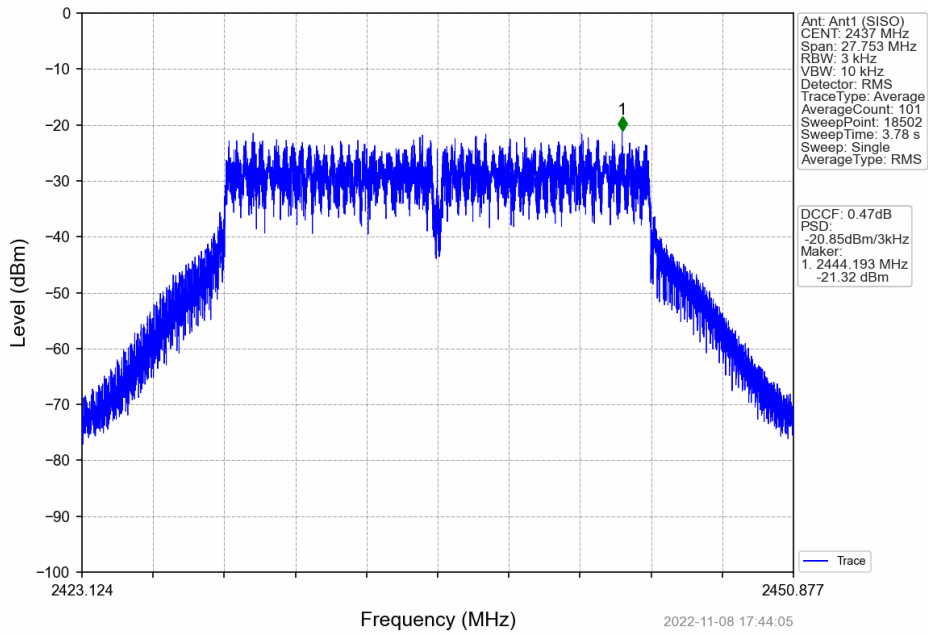


802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV

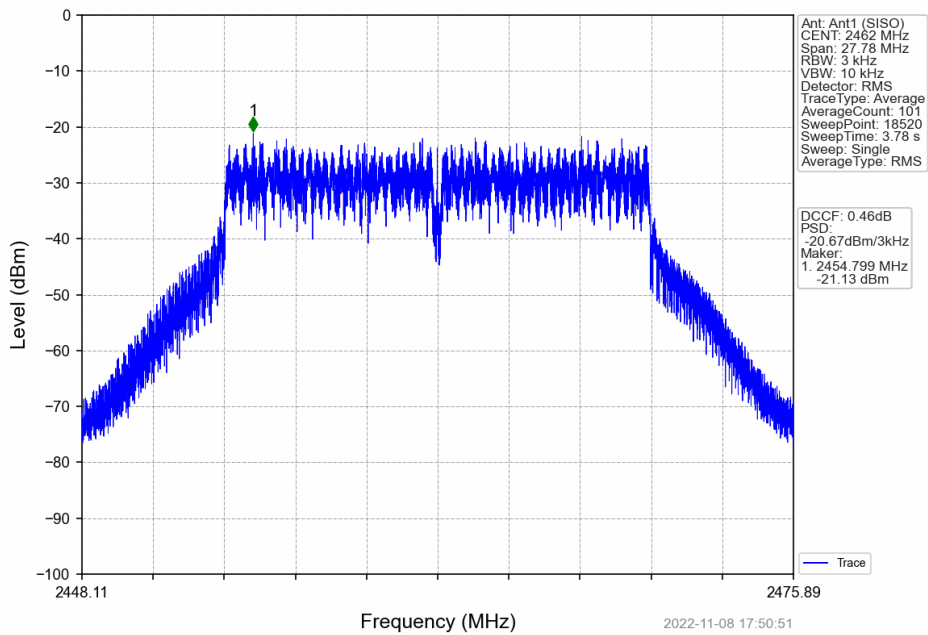




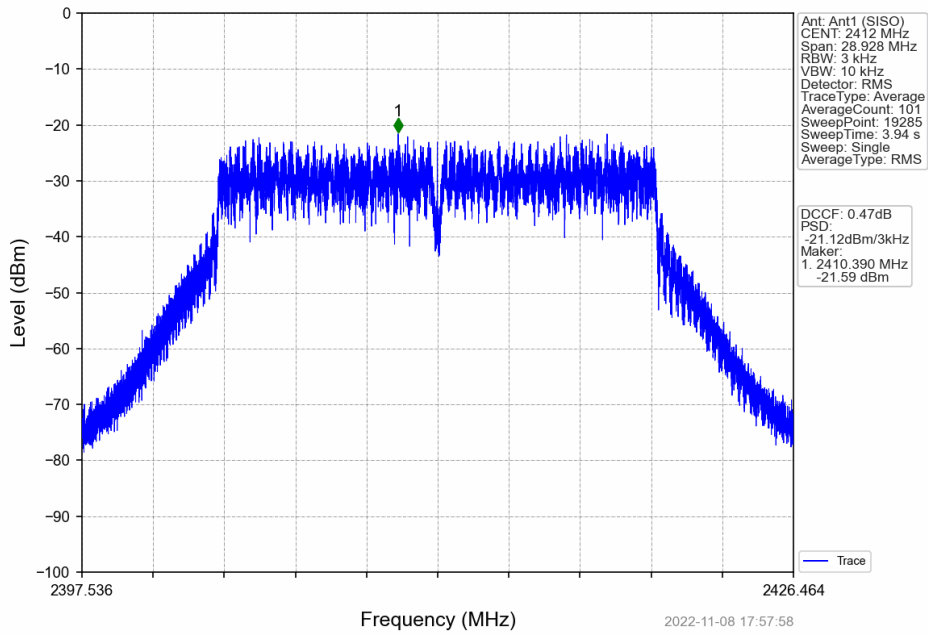
802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



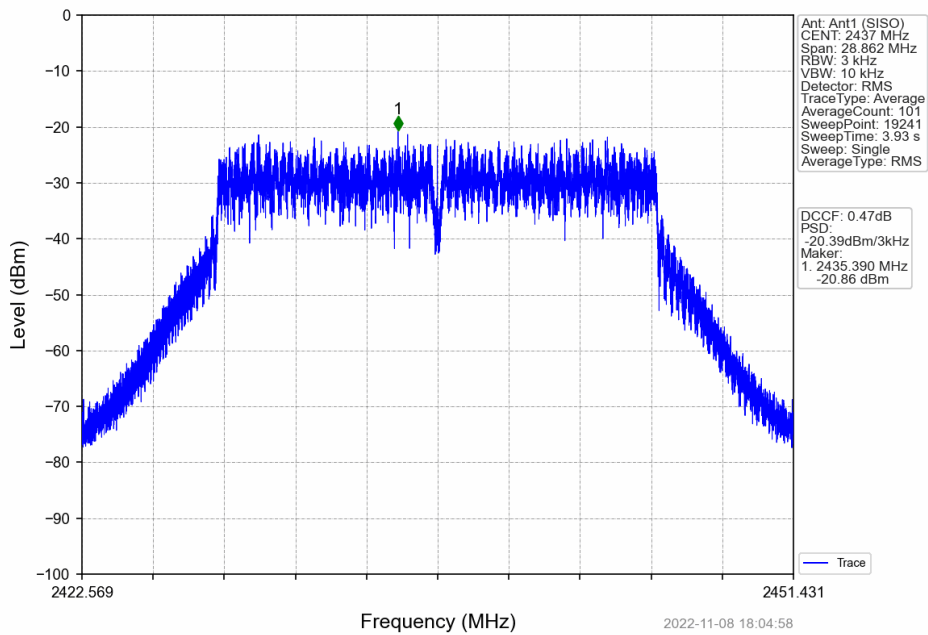
802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

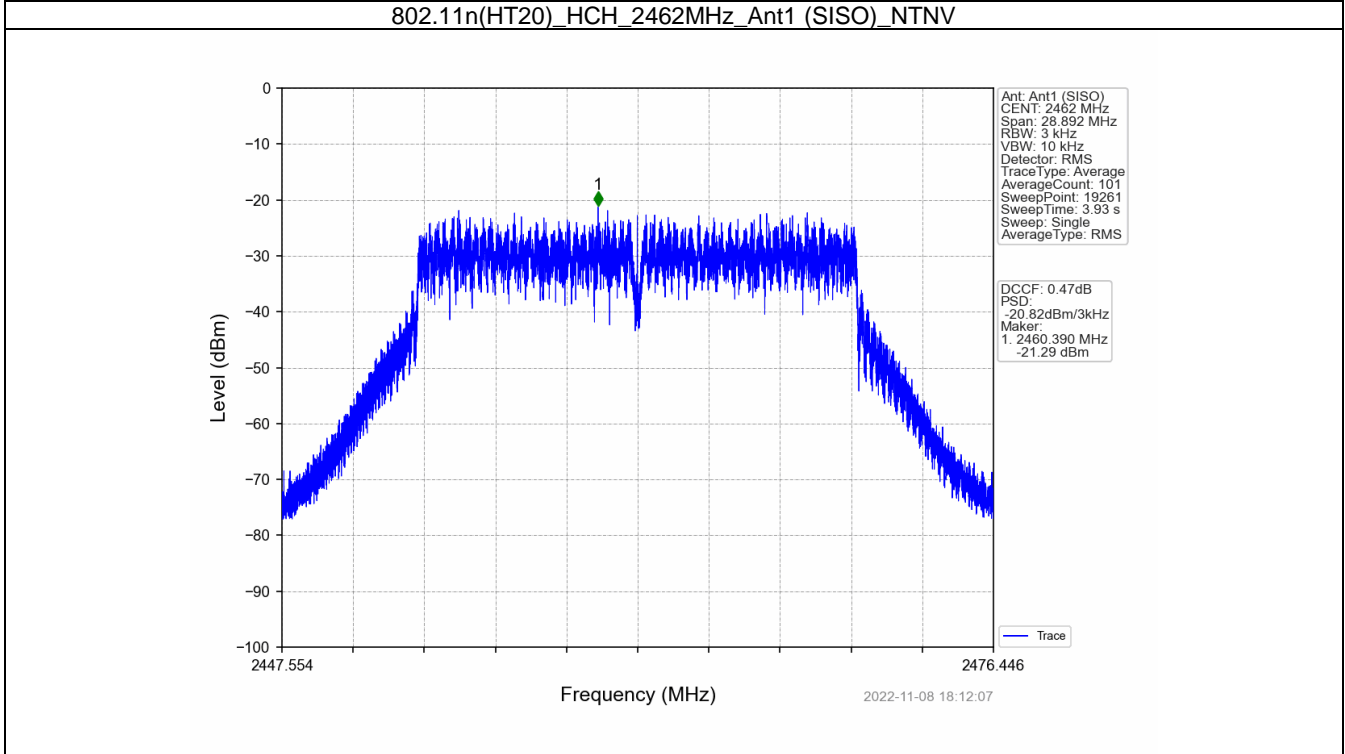


802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



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





## 4 Unwanted Emissions In Non-restricted Frequency Bands

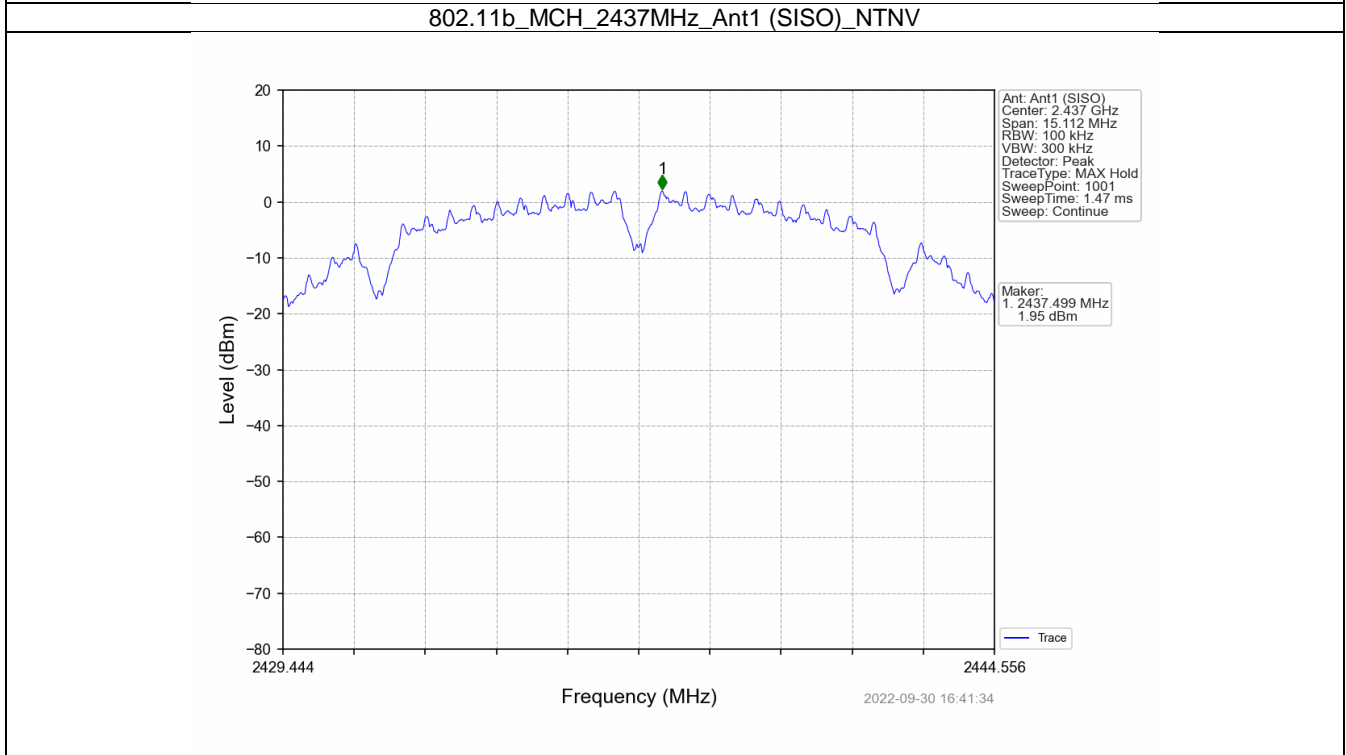
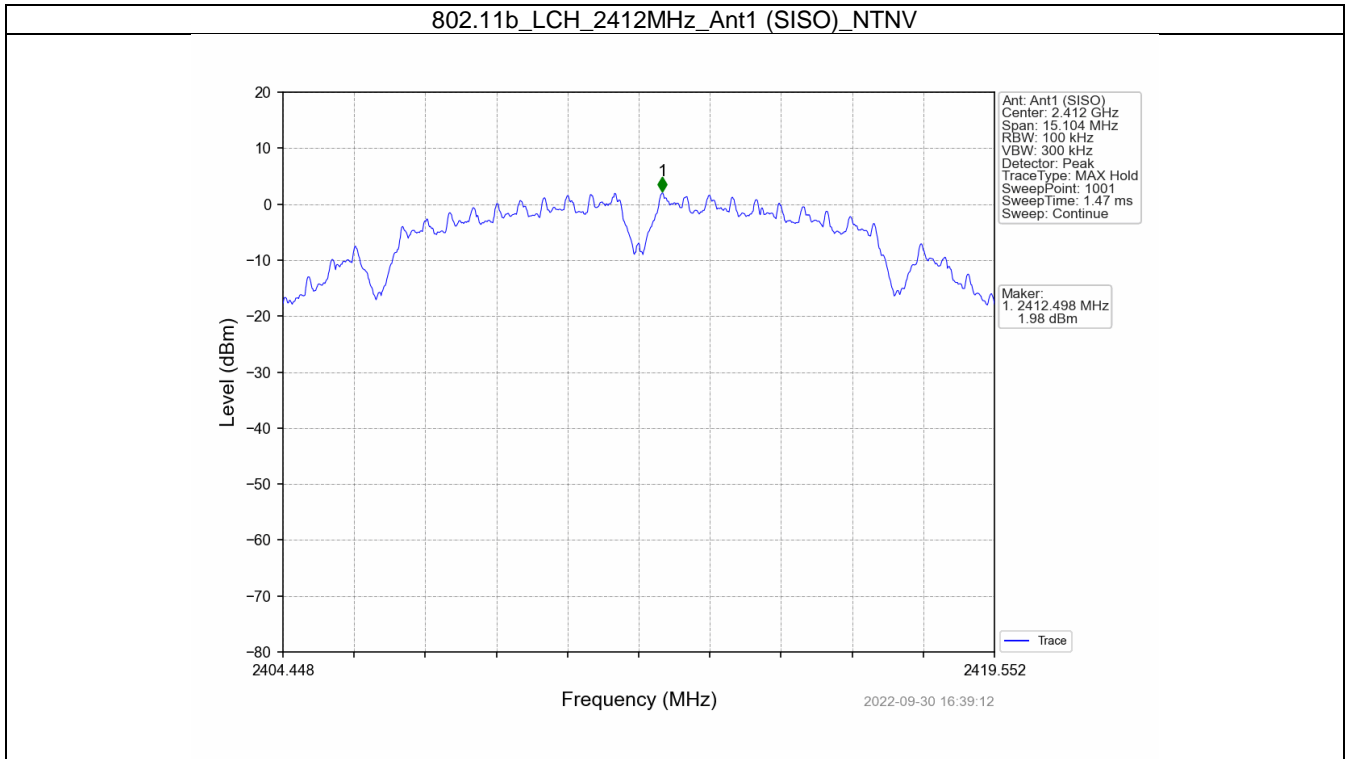
### 4.1 Ref

#### 4.1.1 Test Result

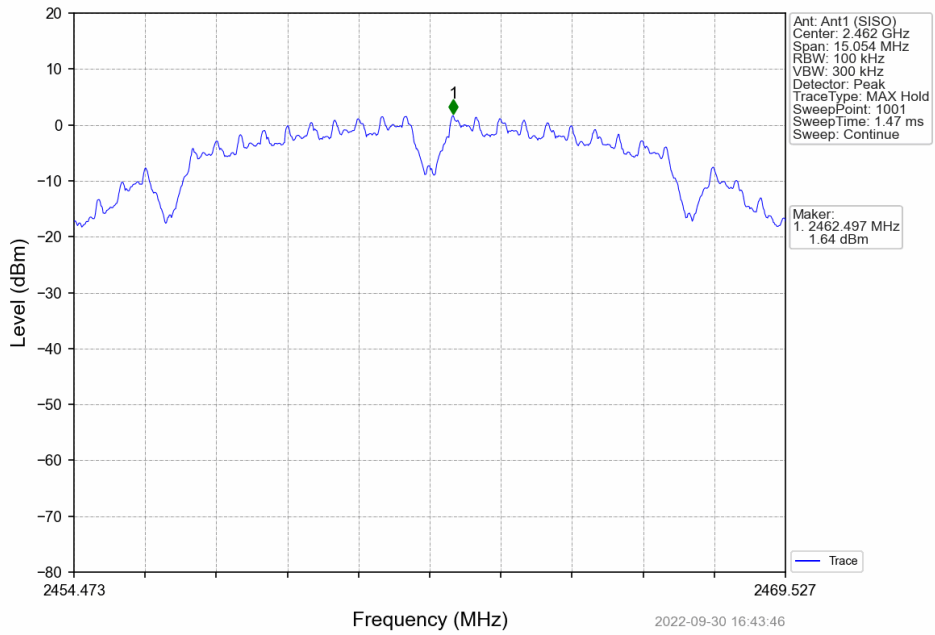
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	1.98
		2437	1	1.95
		2462	1	1.64
802.11g	SISO	2412	1	-1.75
		2437	1	-1.48
		2462	1	-1.92
802.11n (HT20)	SISO	2412	1	-1.70
		2437	1	-1.48
		2462	1	-1.92

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.

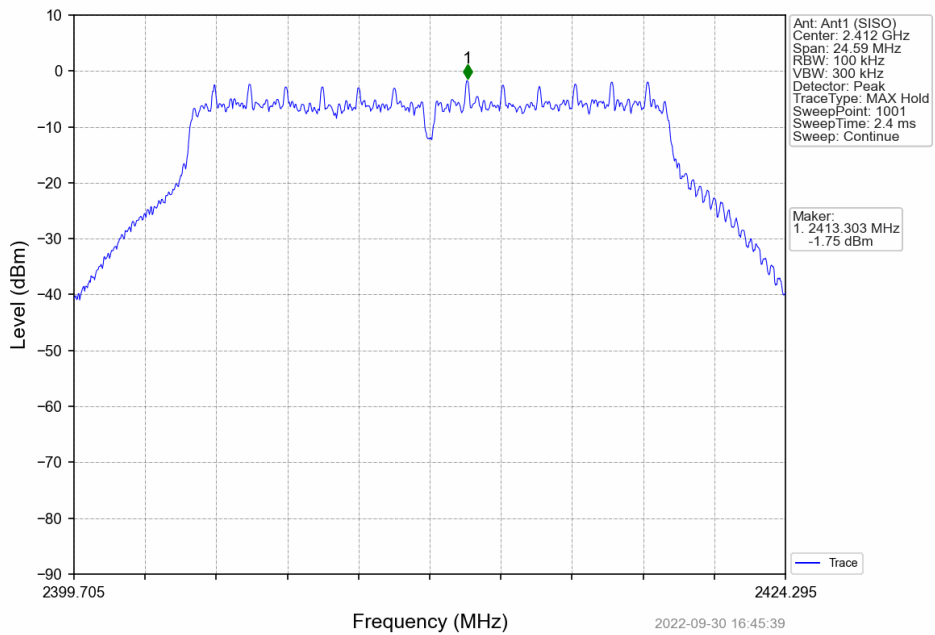
4.1.2 Test Graph



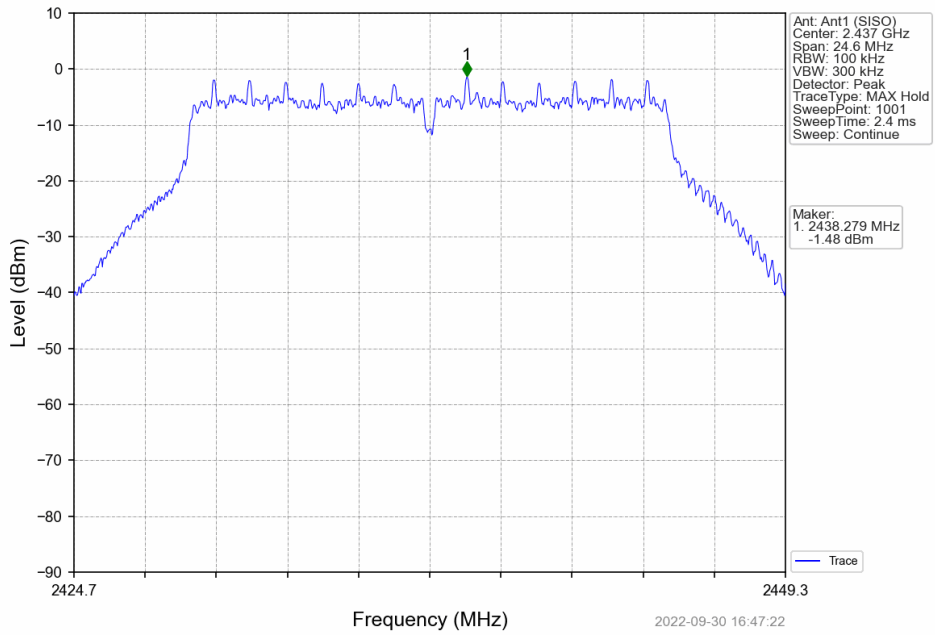
802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



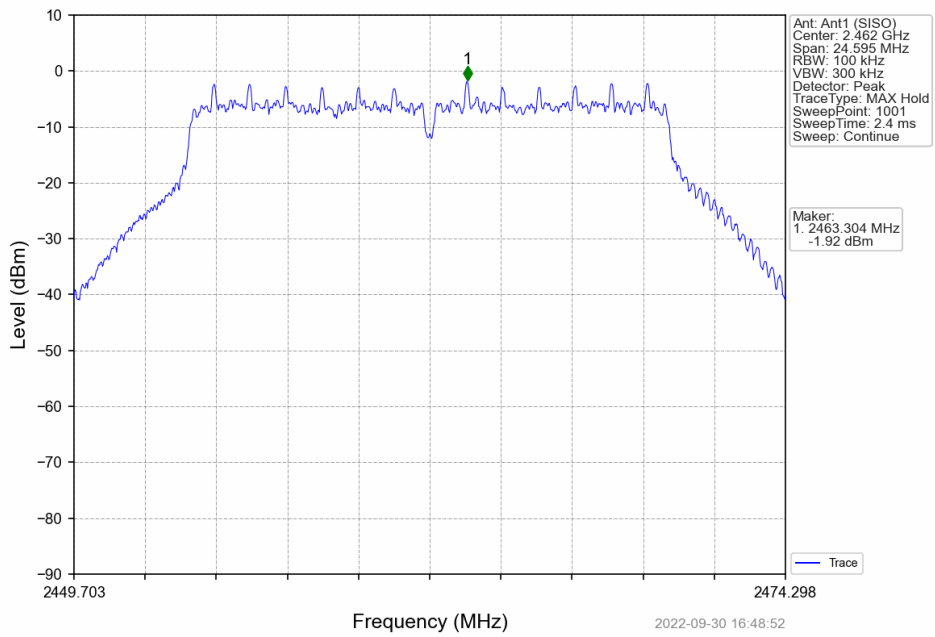
802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



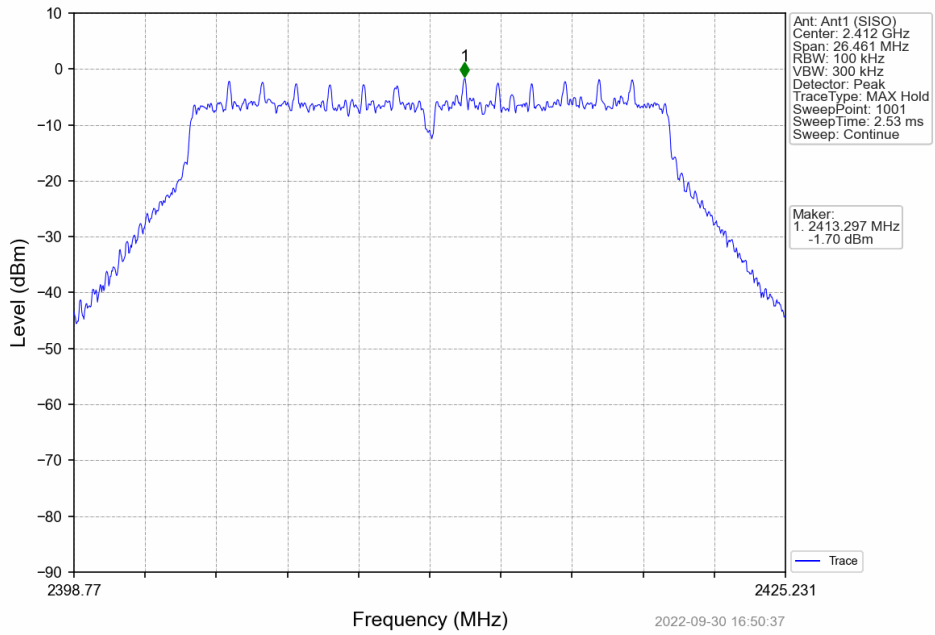
802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



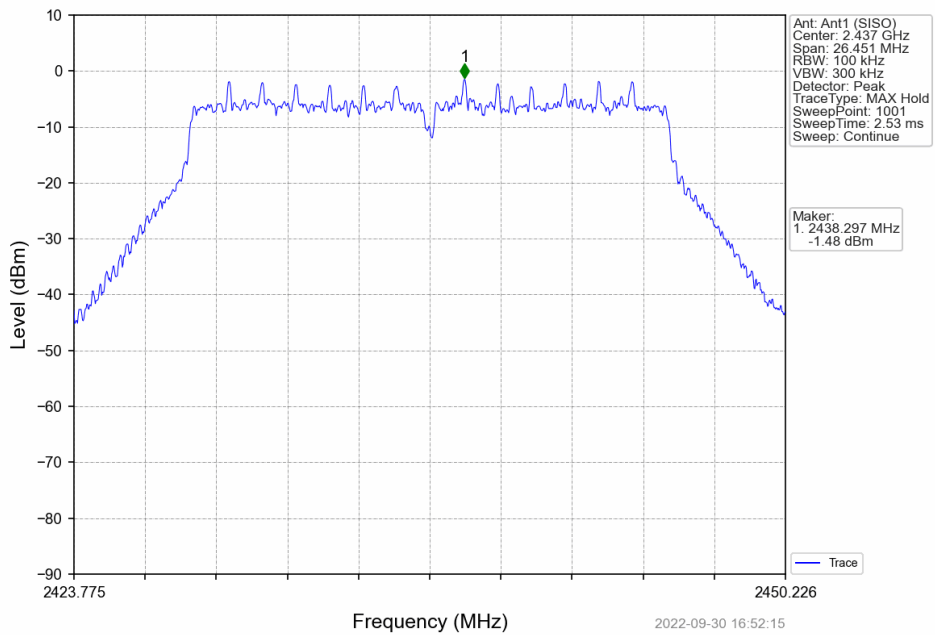
802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



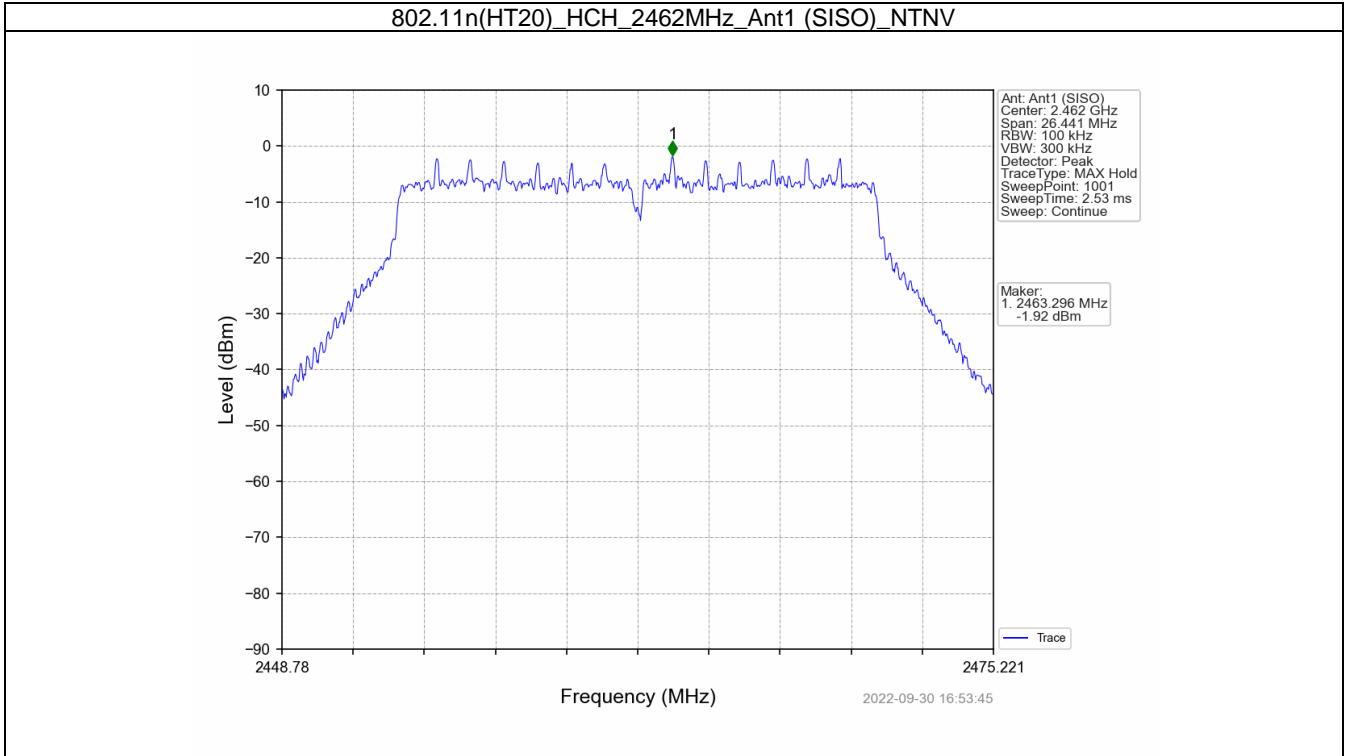
802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



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





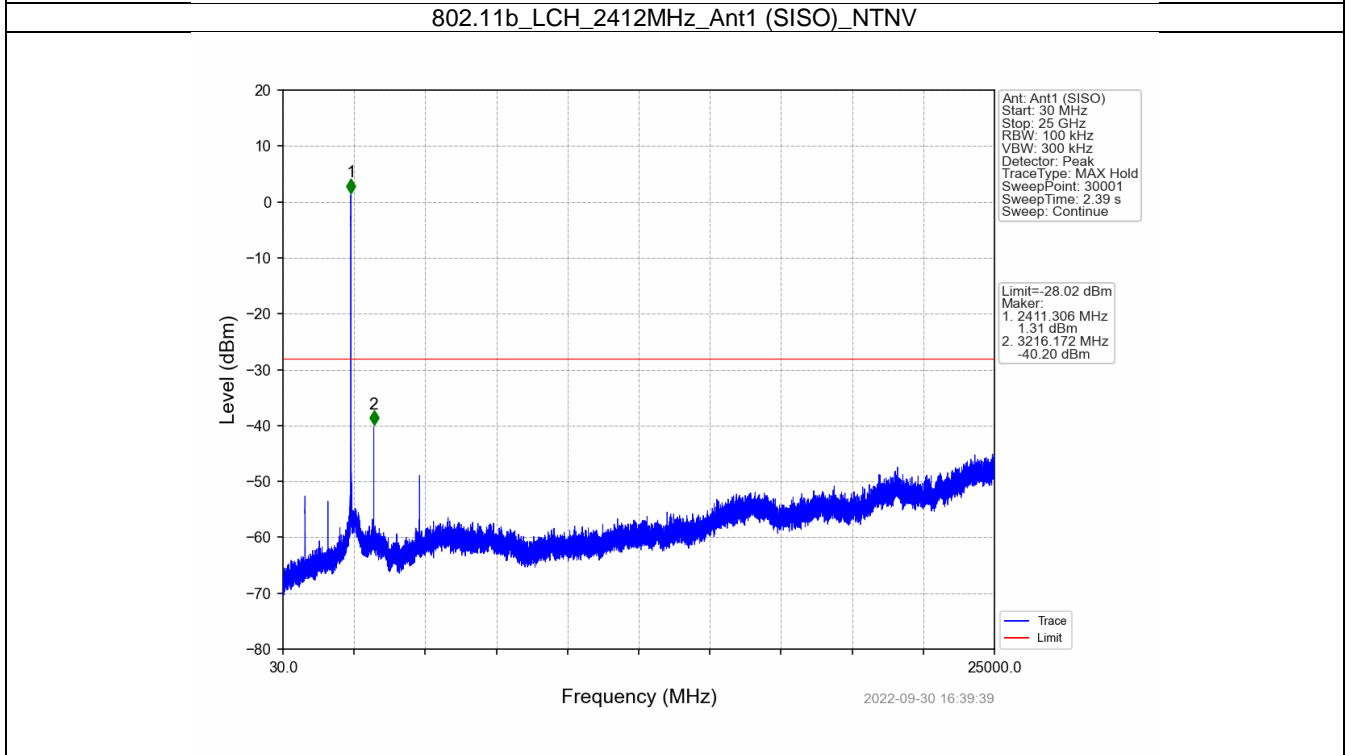
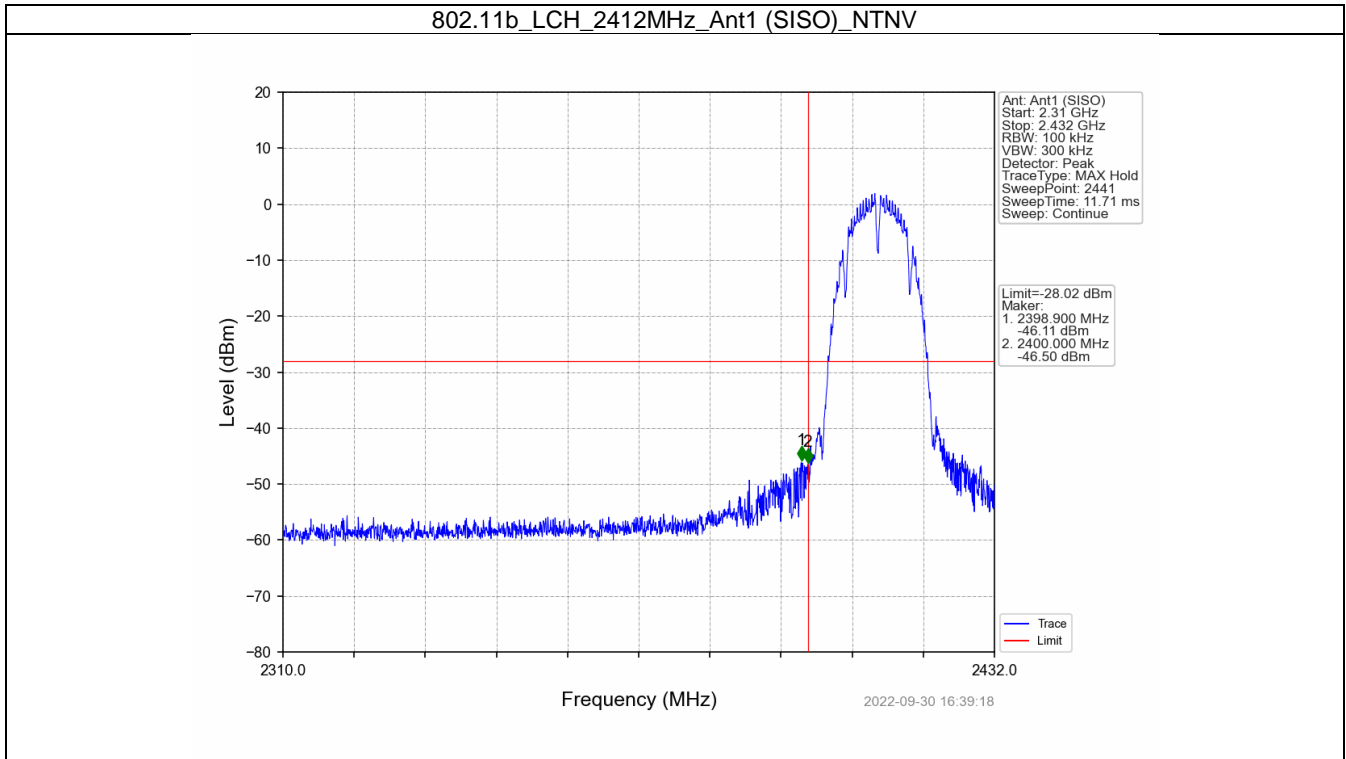


## 4.2 CSE

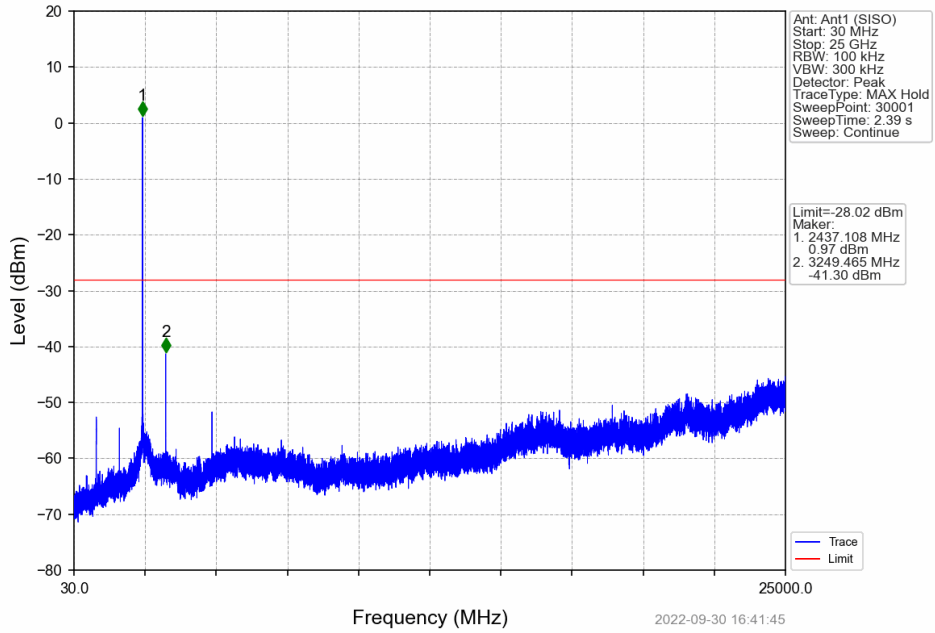
### 4.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	1.98	-28.02	Pass
		2437	1	1.98	-28.02	Pass
		2462	1	1.98	-28.02	Pass
802.11g	SISO	2412	1	-1.48	-31.48	Pass
		2437	1	-1.48	-31.48	Pass
		2462	1	-1.48	-31.48	Pass
802.11n (HT20)	SISO	2412	1	-1.48	-31.48	Pass
		2437	1	-1.48	-31.48	Pass
		2462	1	-1.48	-31.48	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.						

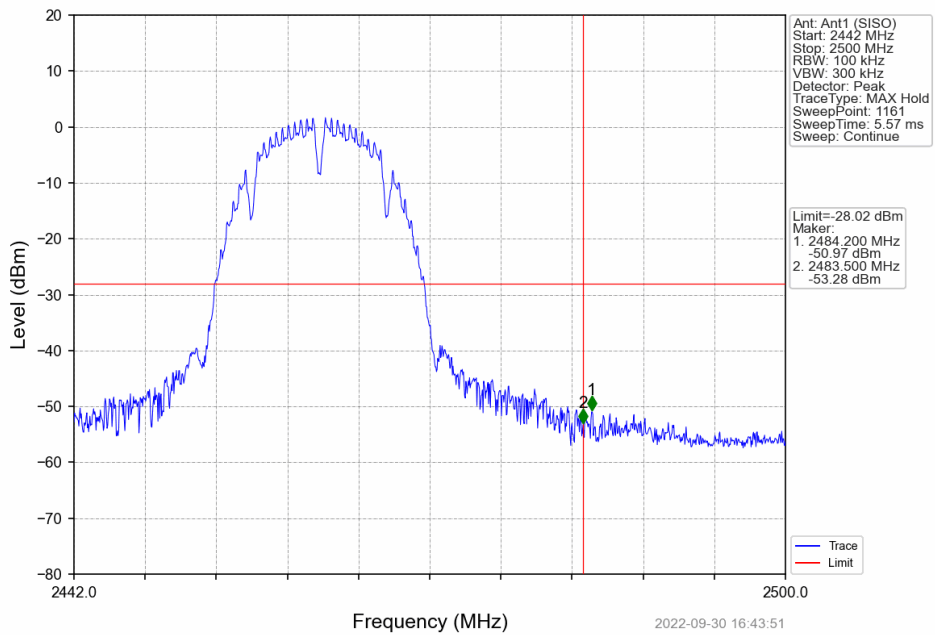
4.2.2 Test Graph



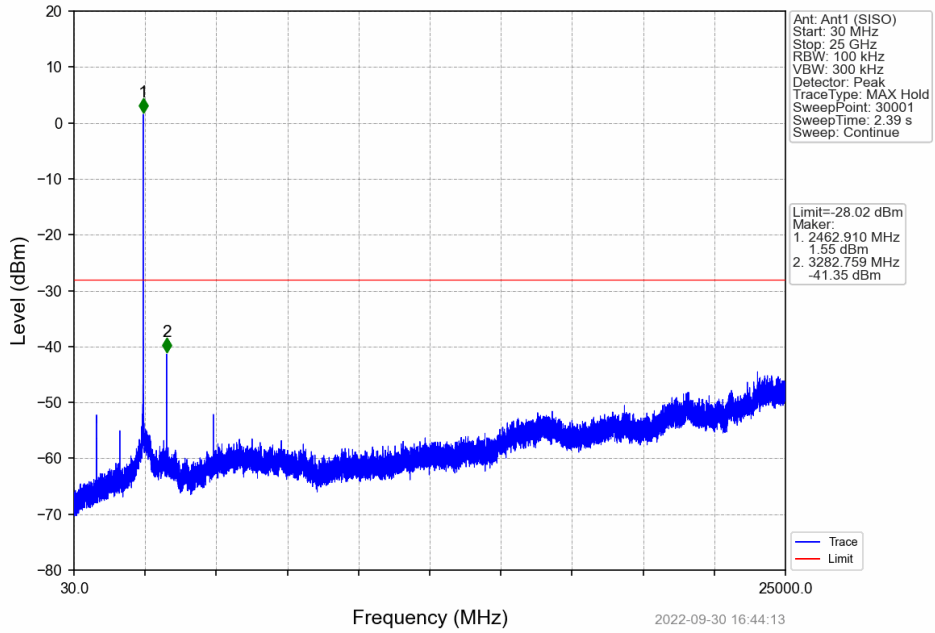
802.11b\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



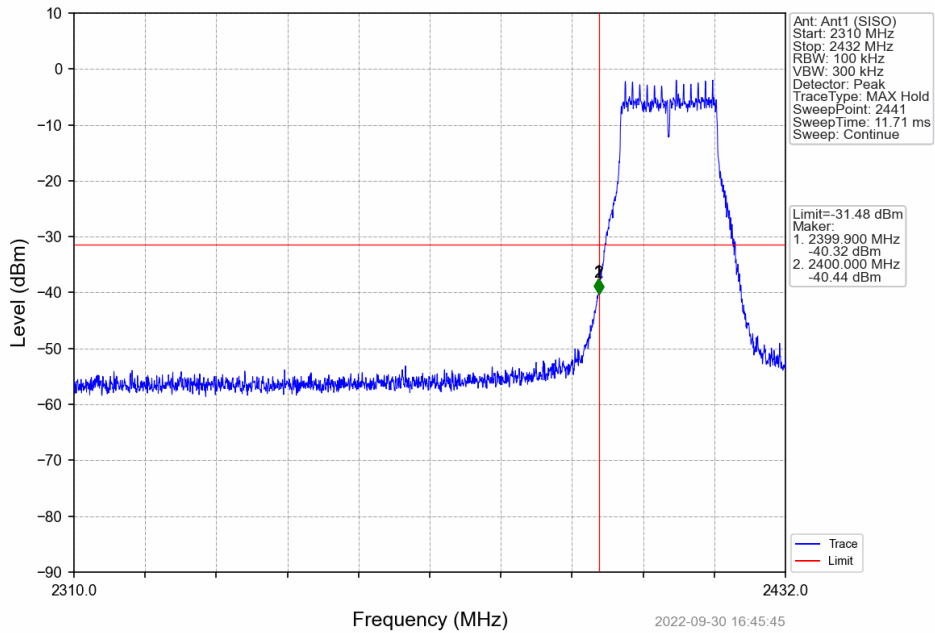
802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



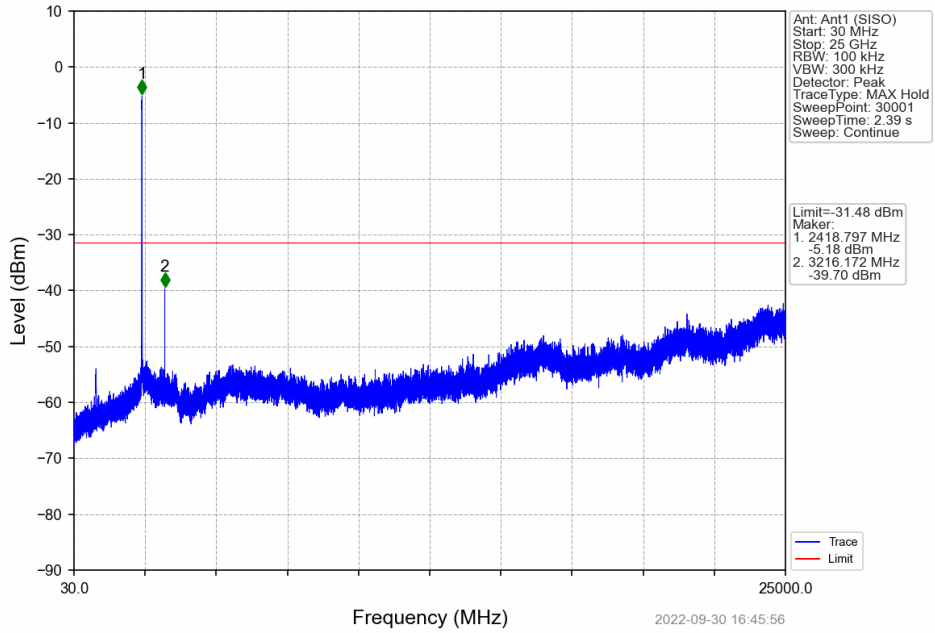
802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



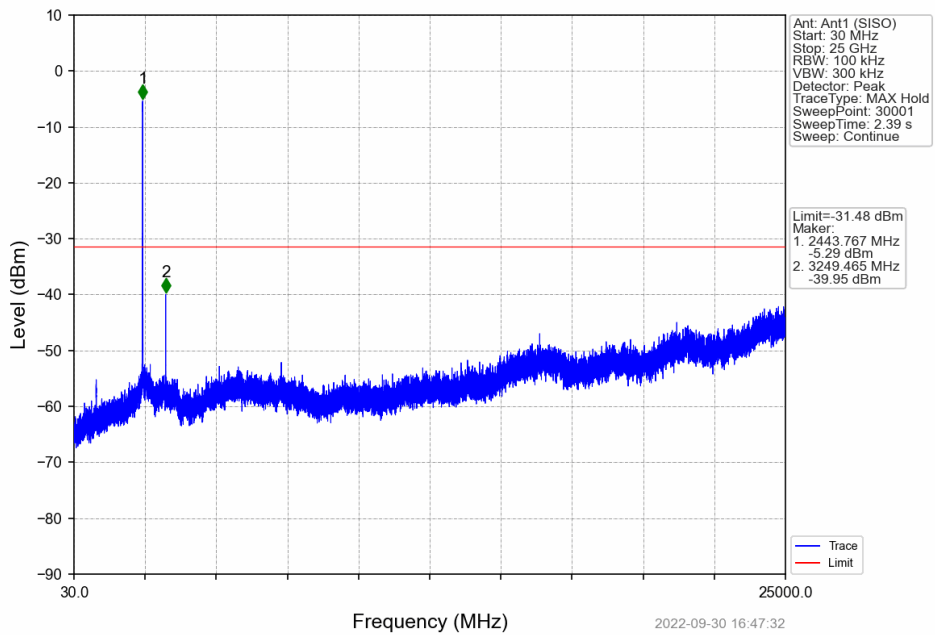
802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



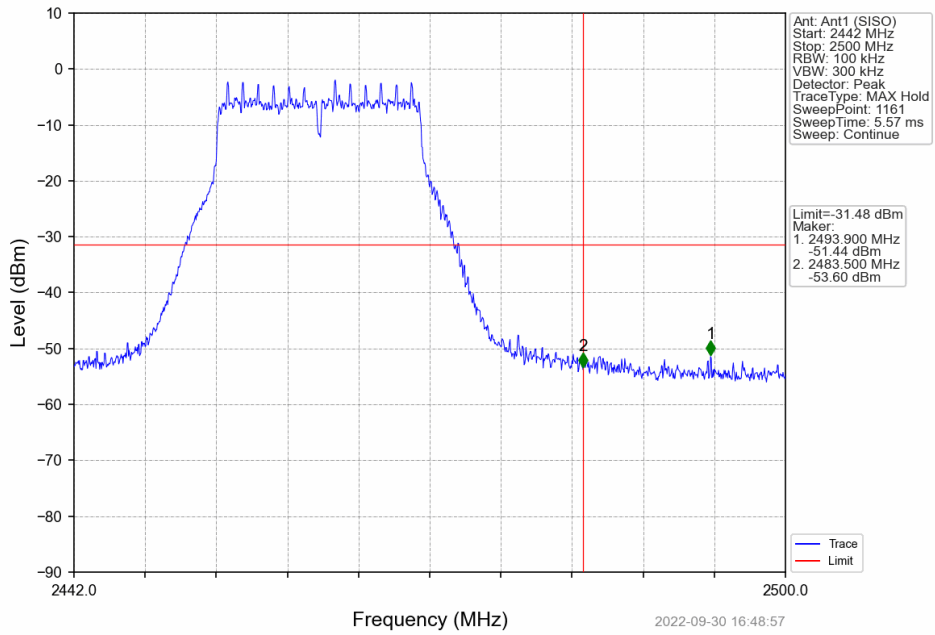
802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



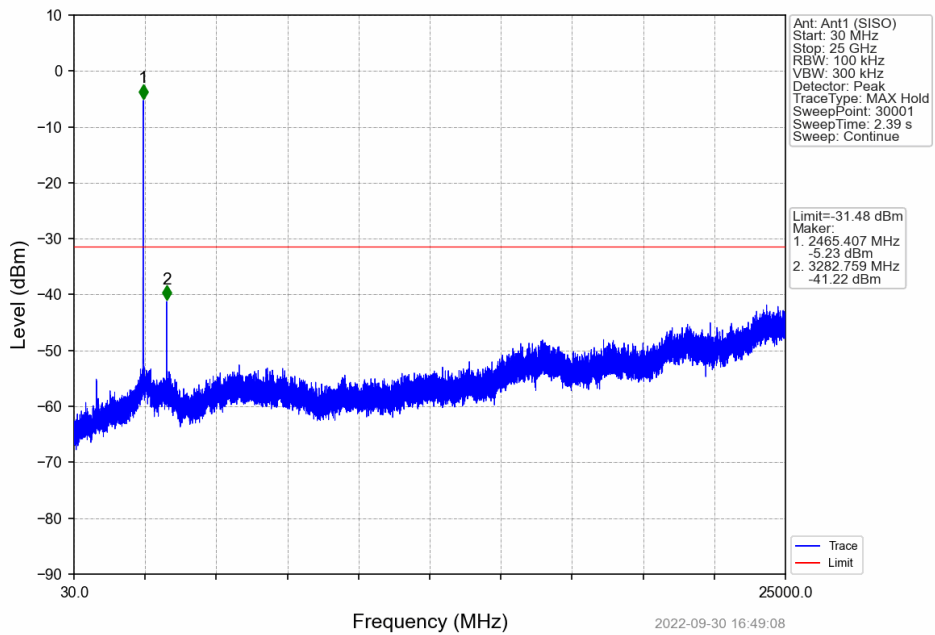
802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



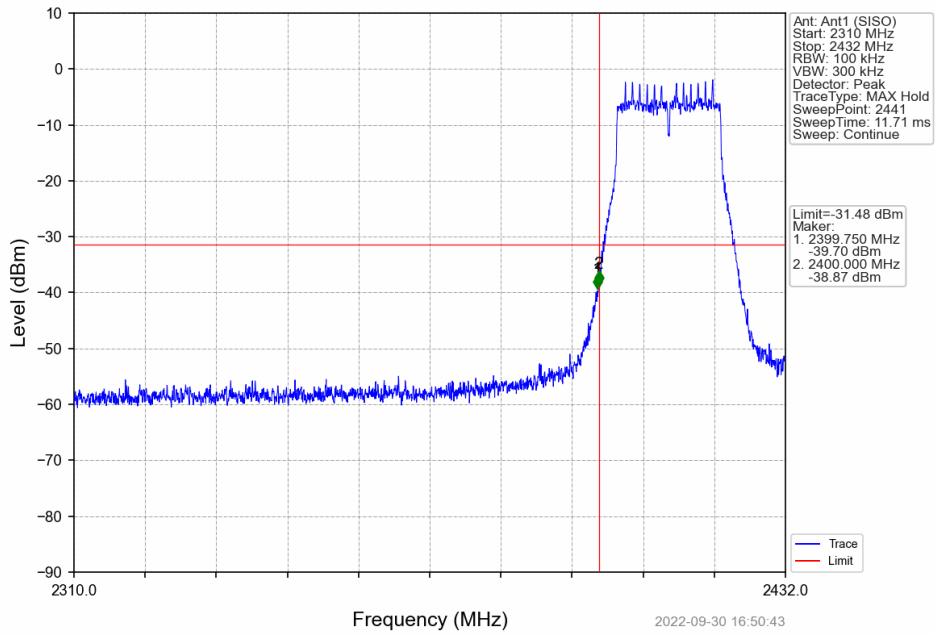
802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



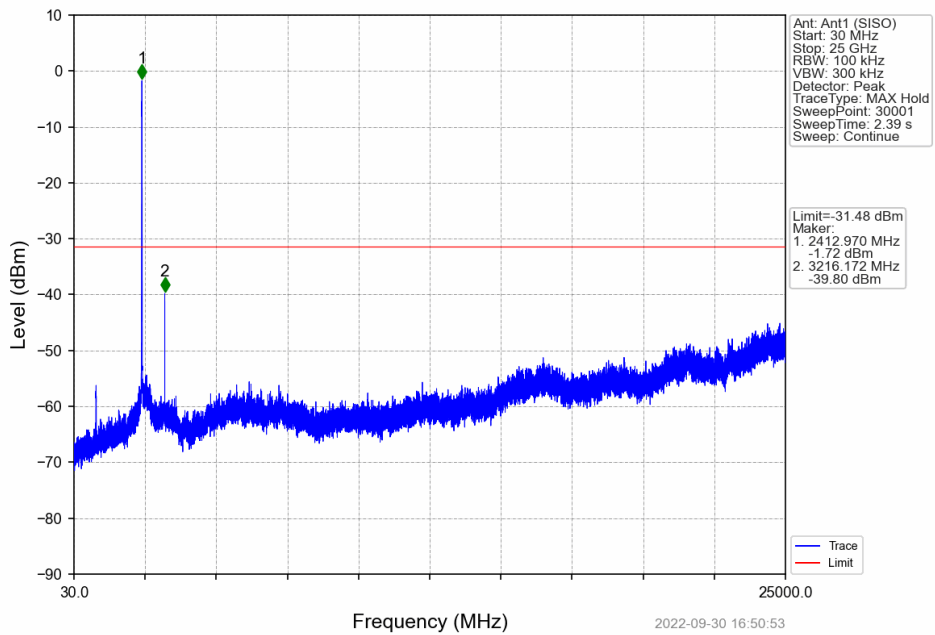
802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



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

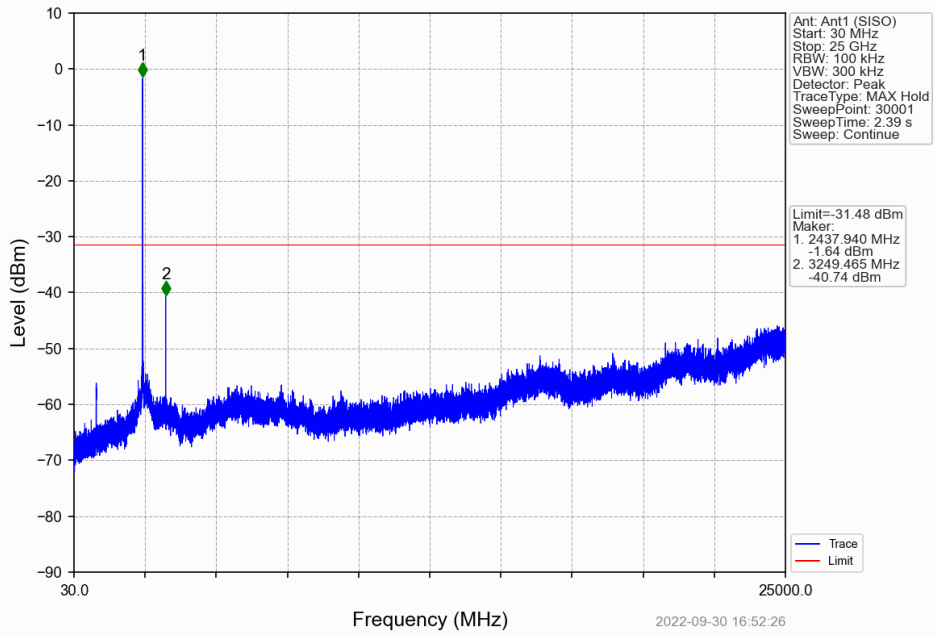


802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV

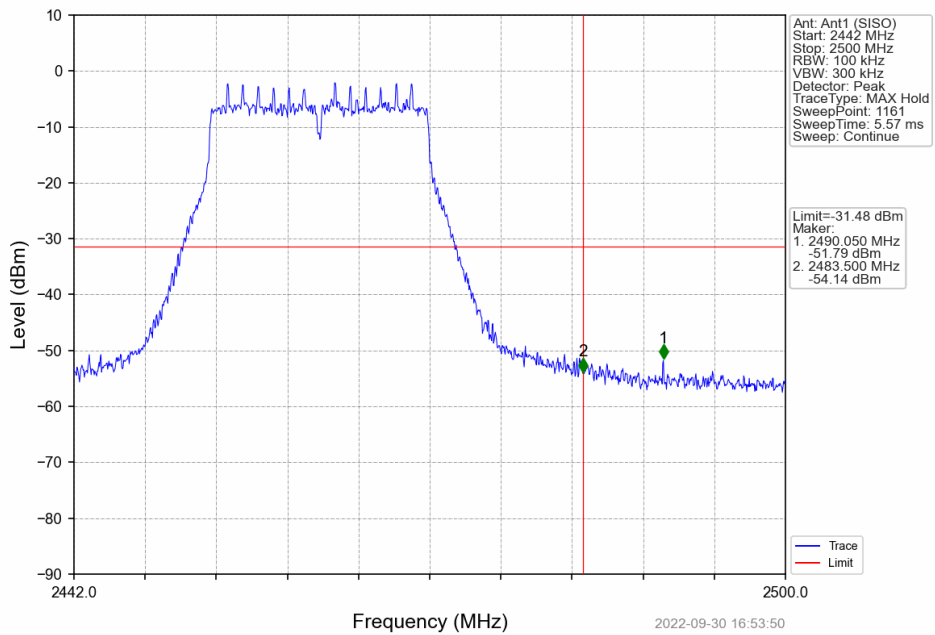




802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



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



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

