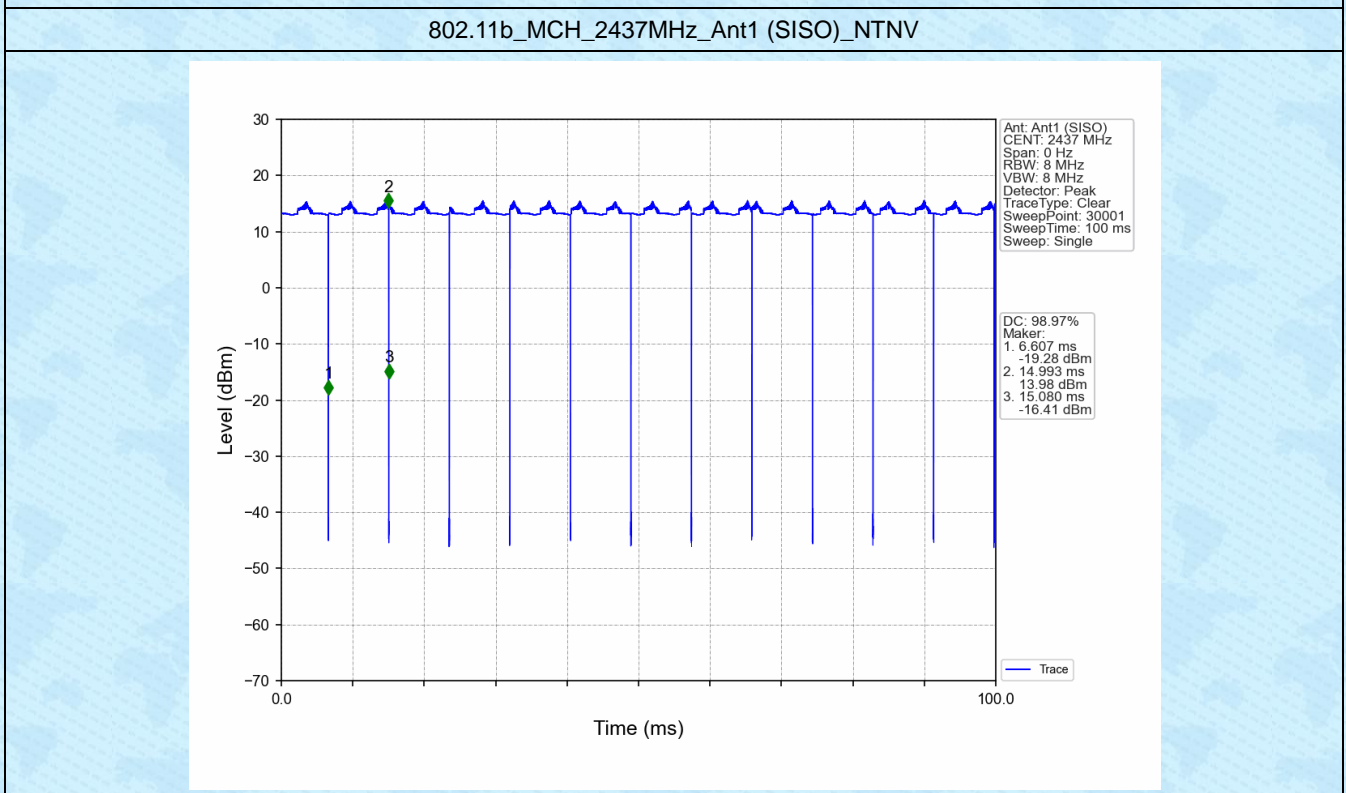
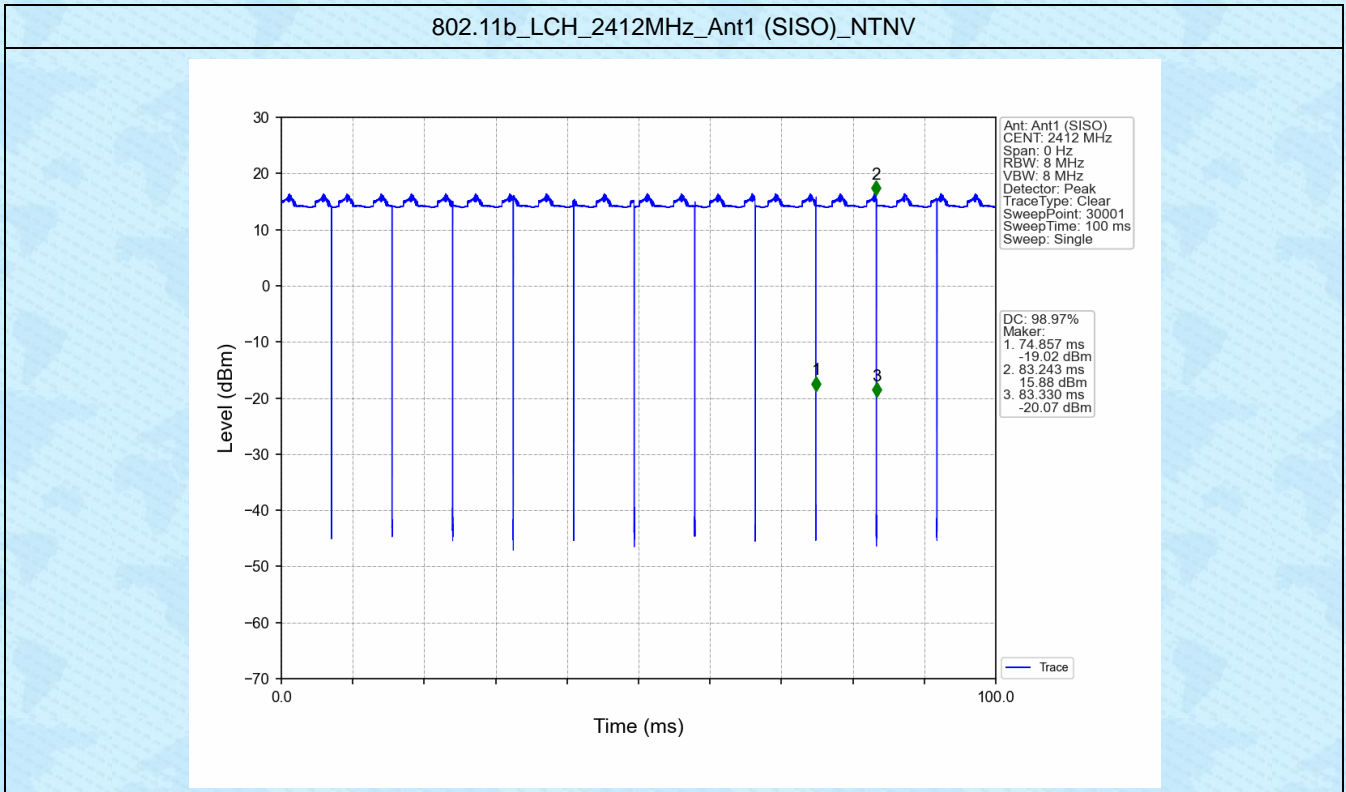


## 1. Duty Cycle

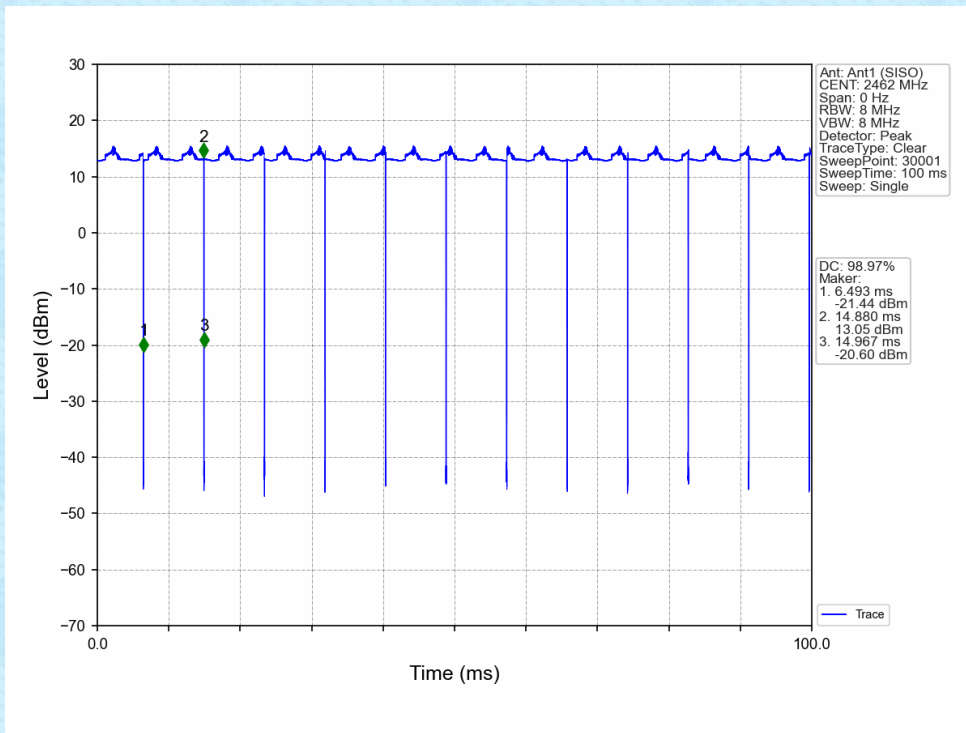
### 1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	8.386	8.473	98.97	0.04	0.04
		2437	8.386	8.473	98.97	0.04	0.04
		2462	8.387	8.474	98.97	0.04	0.04
802.11g	SISO	2412	1.395	1.409	99.01	0.04	0.03
		2437	1.395	1.410	98.94	0.05	0.03
		2462	1.395	1.410	98.94	0.05	0.03
802.11n (HT20)	SISO	2412	1.303	1.317	98.94	0.05	0.03
		2437	1.302	1.316	98.94	0.05	0.03
		2462	1.303	1.317	98.94	0.05	0.00
802.11n (HT40)	SISO	2422	0.651	0.658	98.94	0.05	0.00
		2437	0.651	0.658	98.94	0.05	0.00
		2452	0.650	0.658	98.78	0.05	0.07

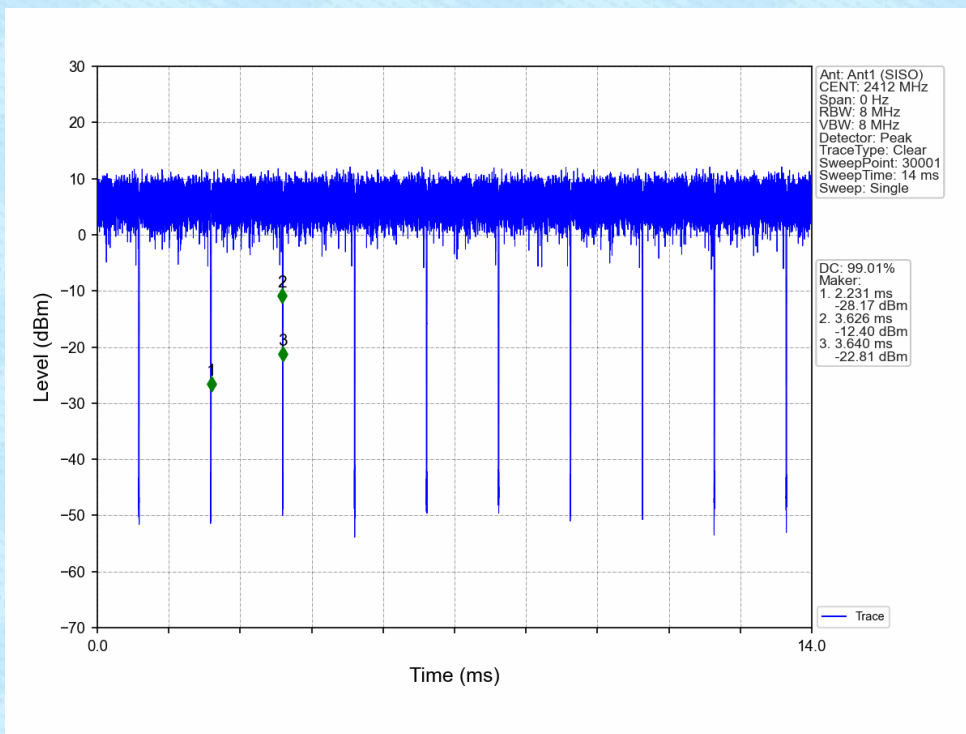
## 1.2 Test Graph



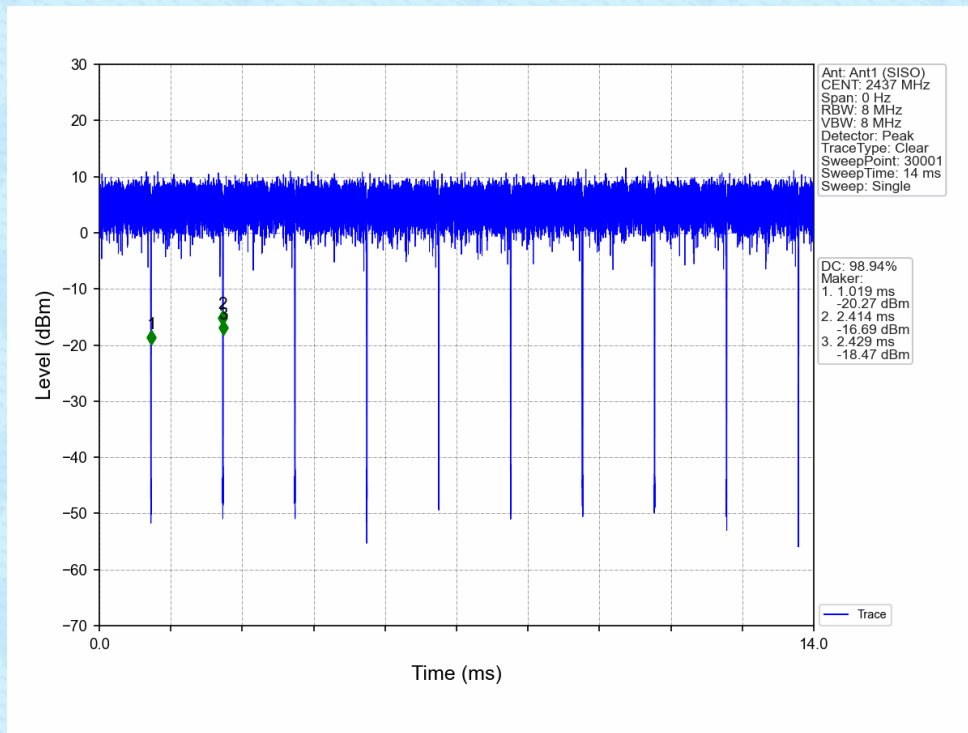
## 802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



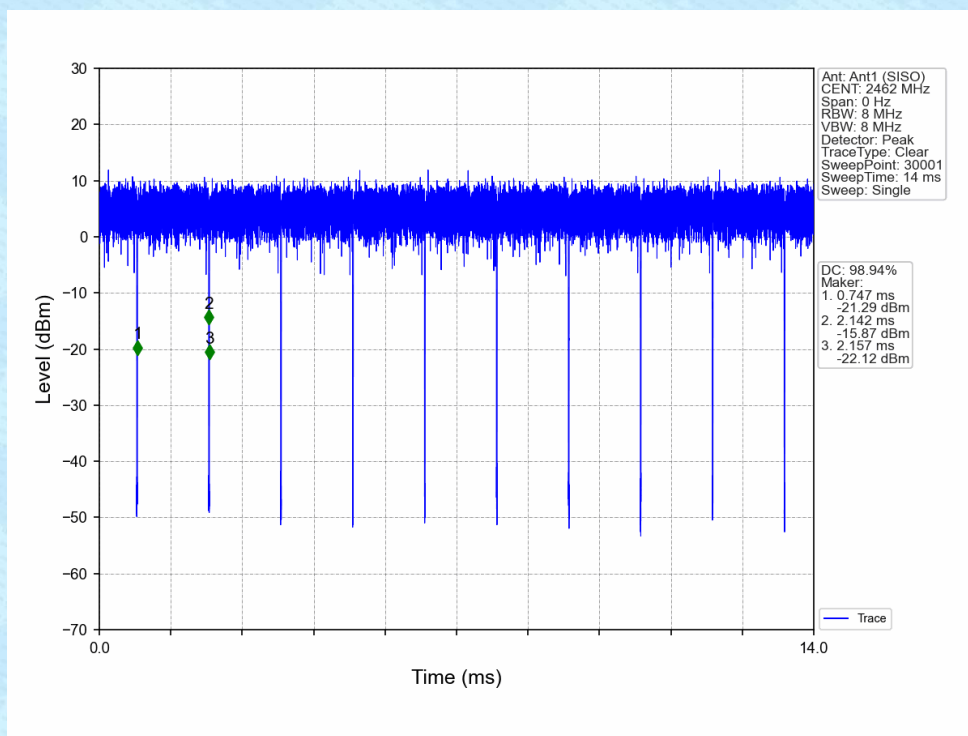
## 802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



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

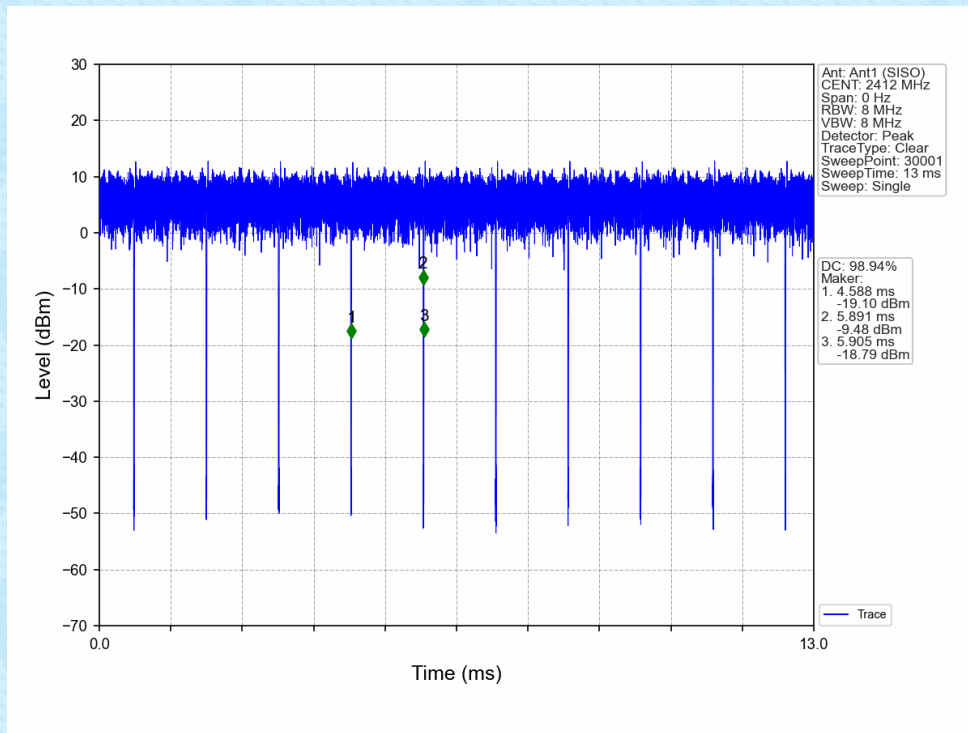


802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

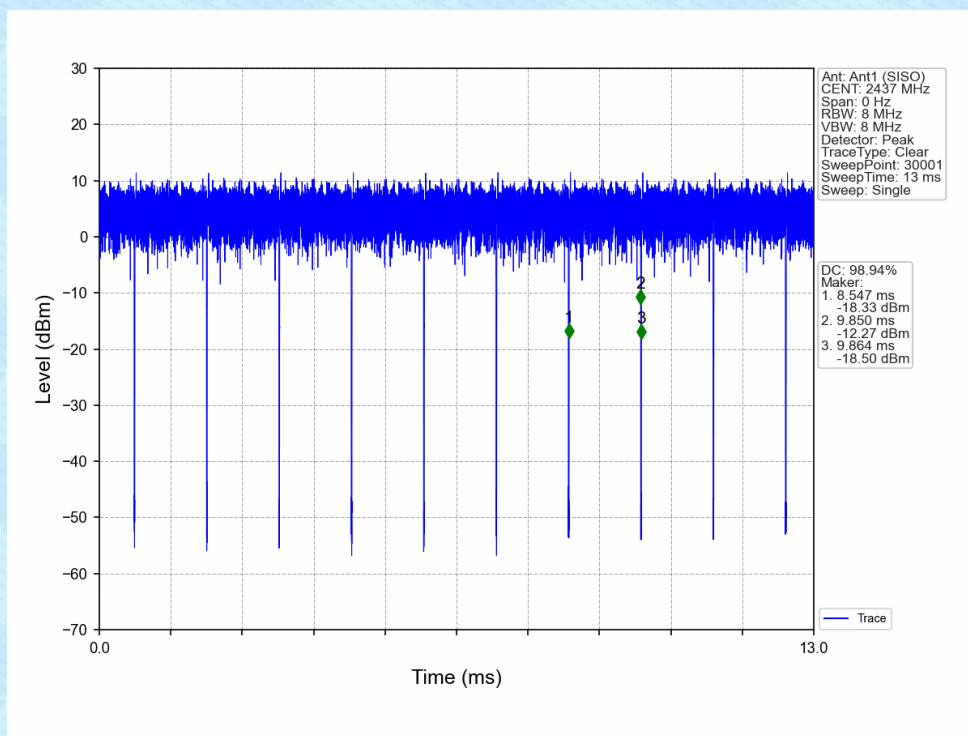




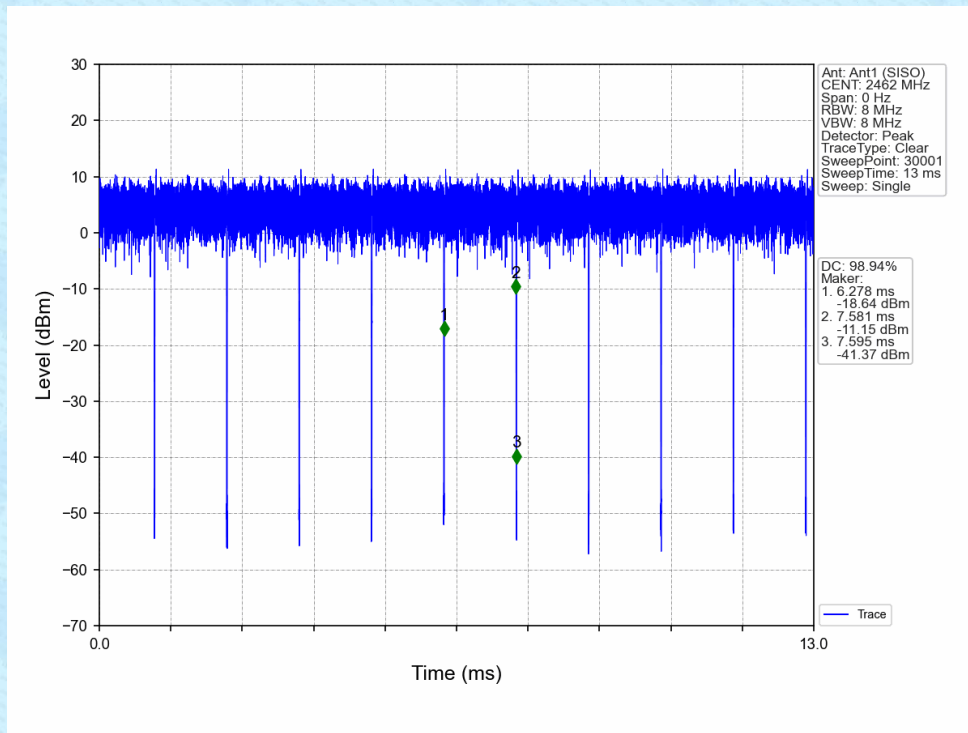
802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



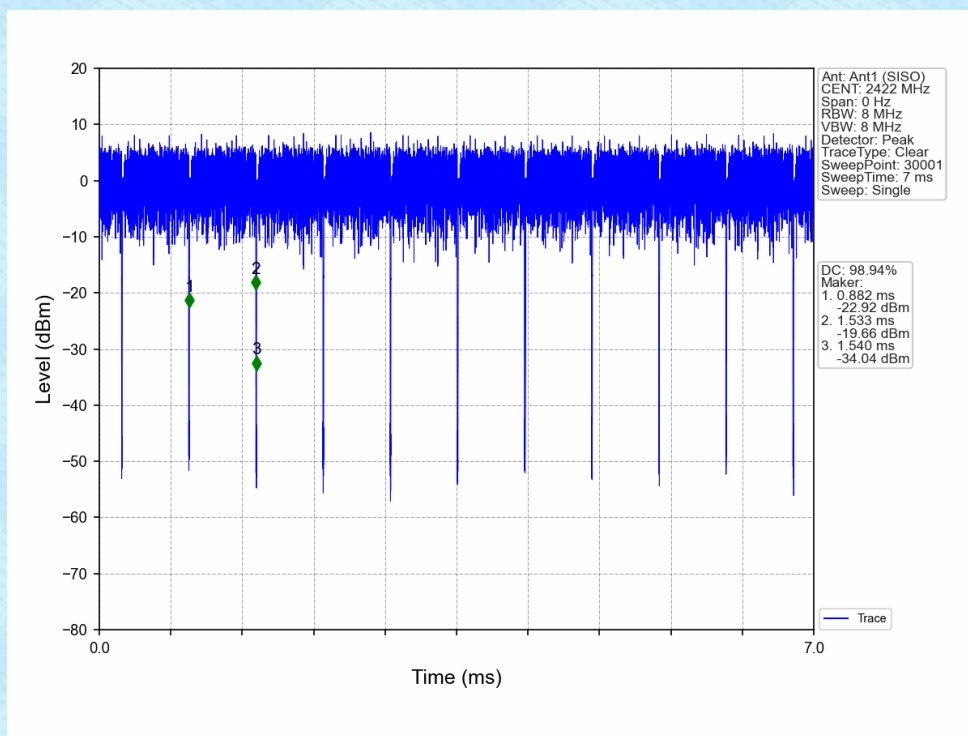
802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



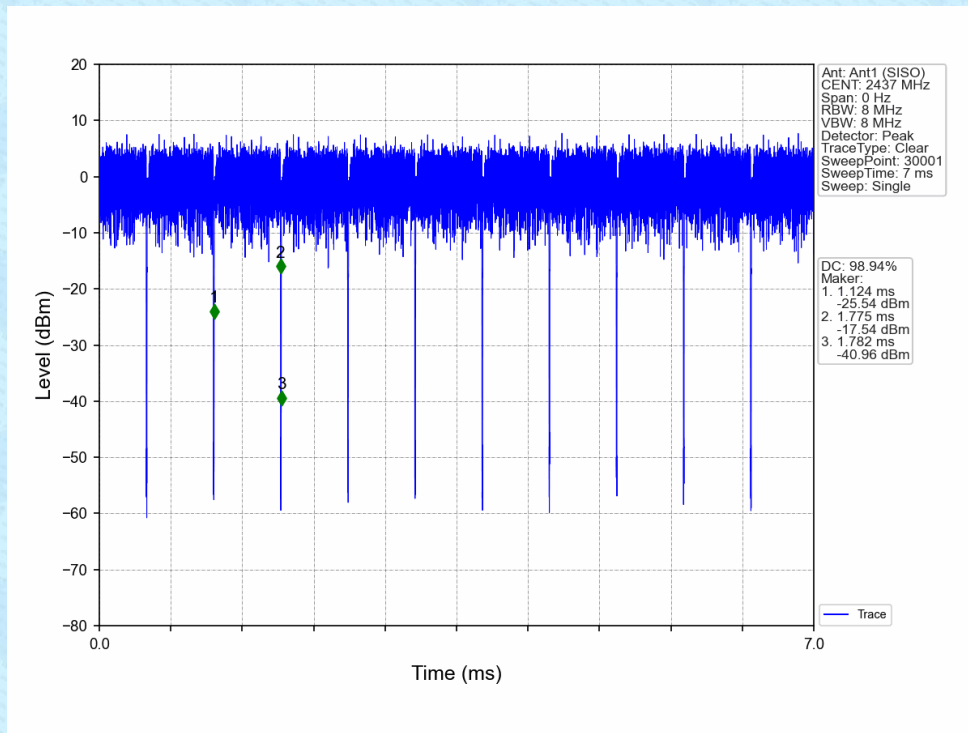
802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



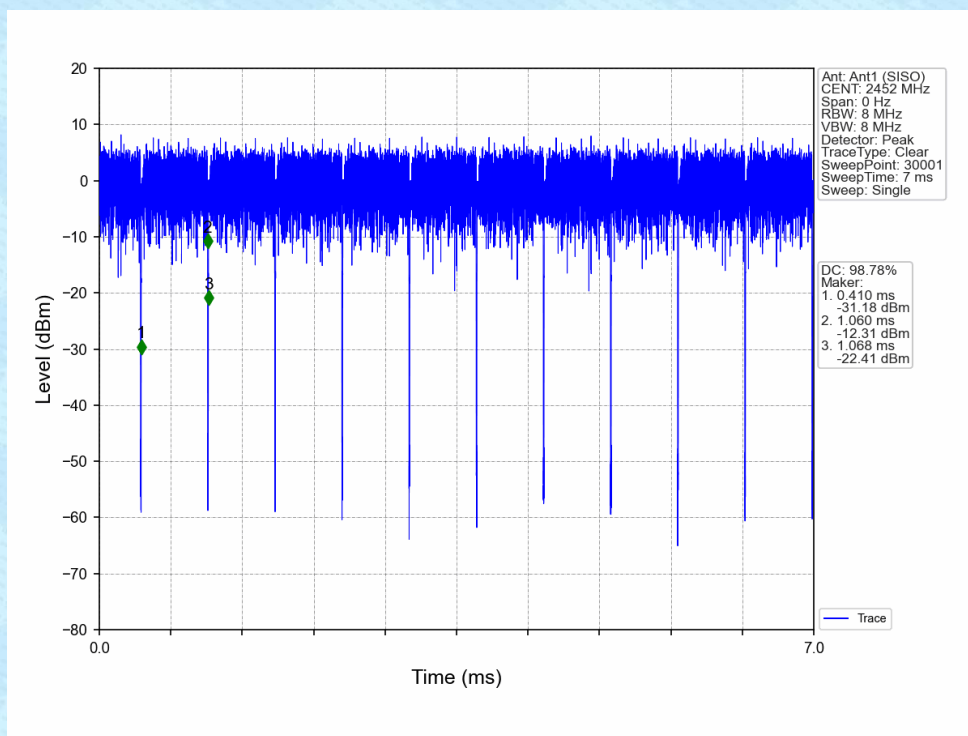
802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



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



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



## 2. Bandwidth

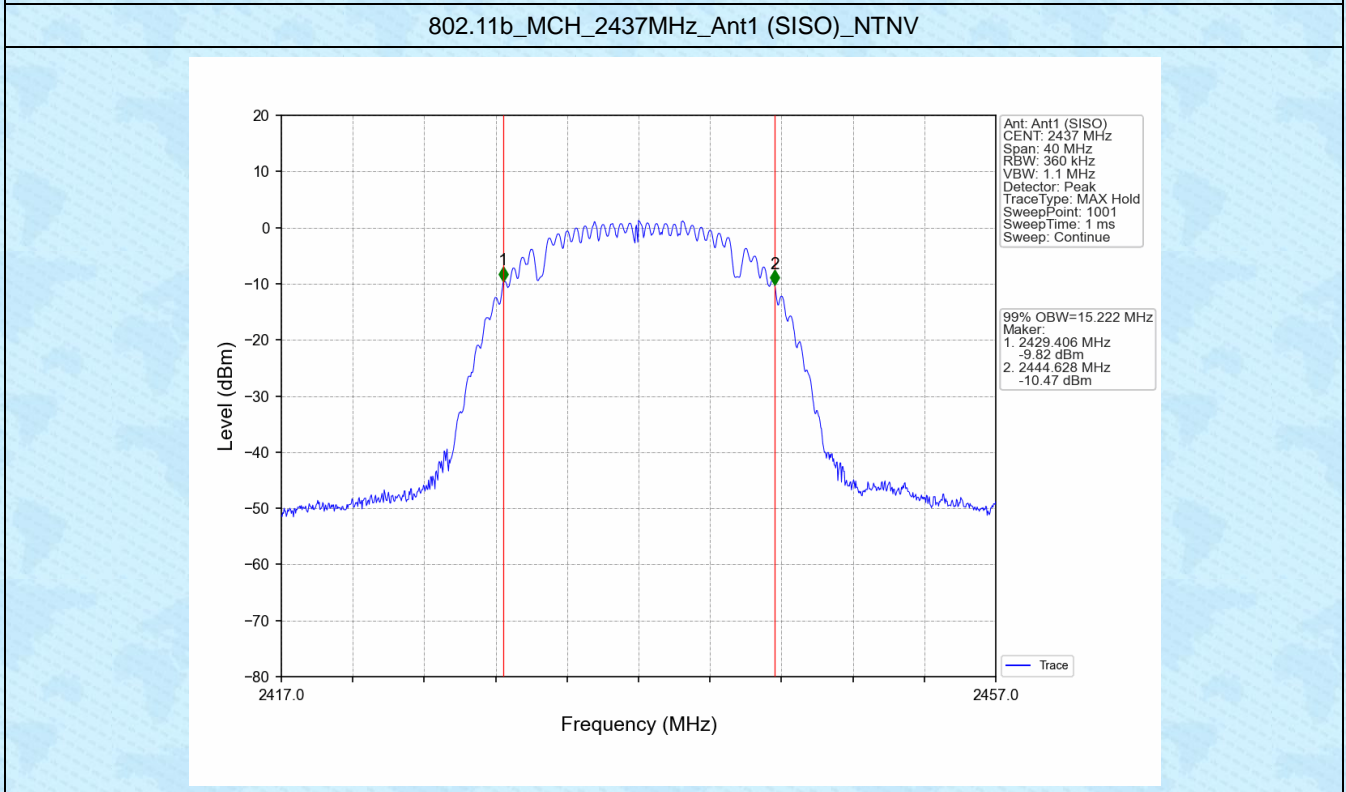
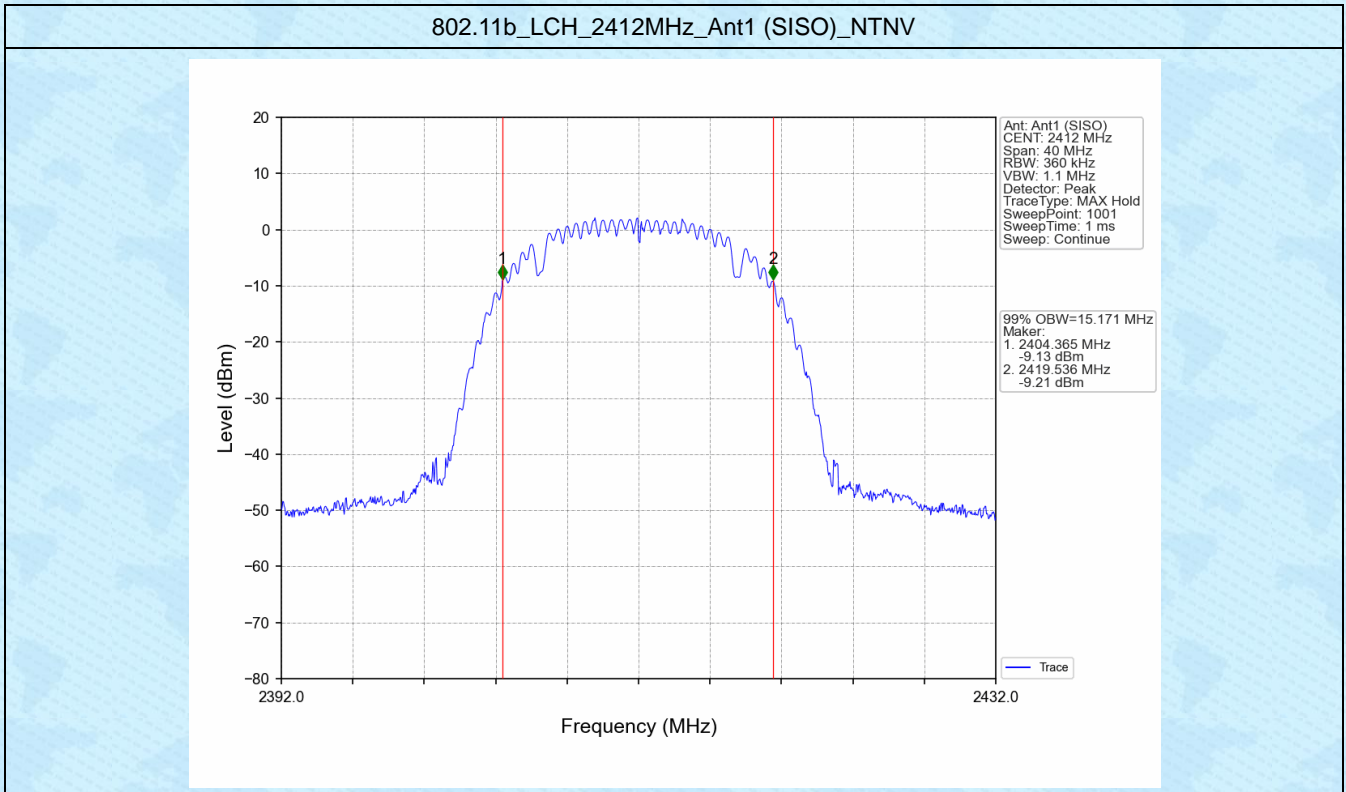
### 2.1 OBW

#### 2.1.1 Test Result

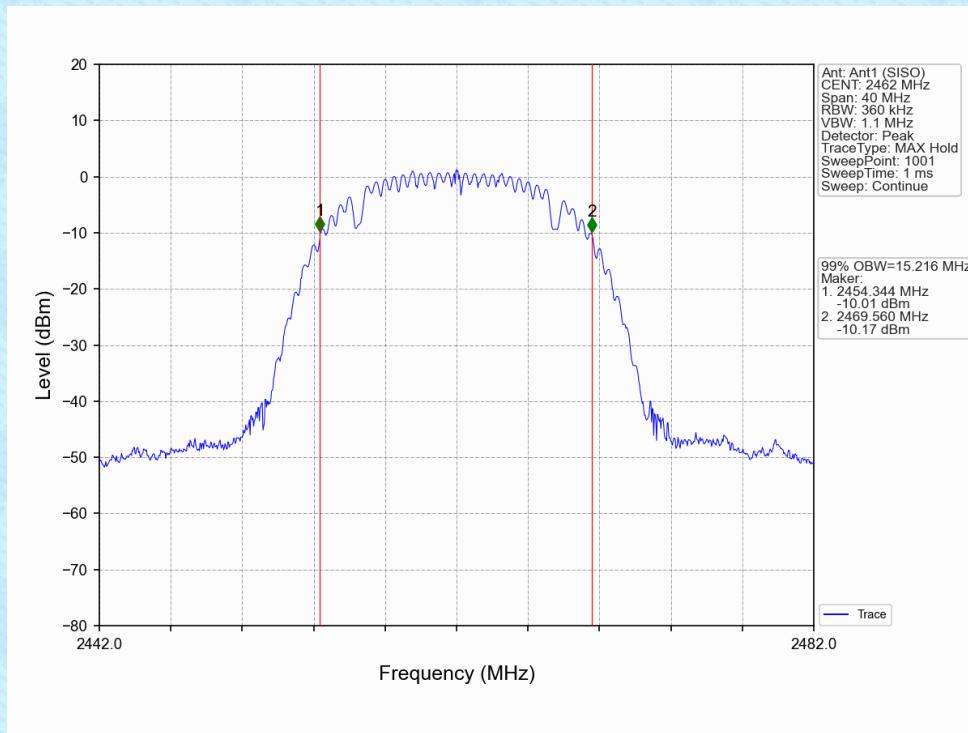
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	15.171	/	Pass
		2437	1	15.222	/	Pass
		2462	1	15.216	/	Pass
802.11g	SISO	2412	1	17.509	/	Pass
		2437	1	17.627	/	Pass
		2462	1	17.615	/	Pass
802.11n (HT20)	SISO	2412	1	18.503	/	Pass
		2437	1	18.551	/	Pass
		2462	1	18.551	/	Pass
802.11n (HT40)	SISO	2422	1	35.858	/	Pass
		2437	1	35.869	/	Pass
		2452	1	35.667	/	Pass



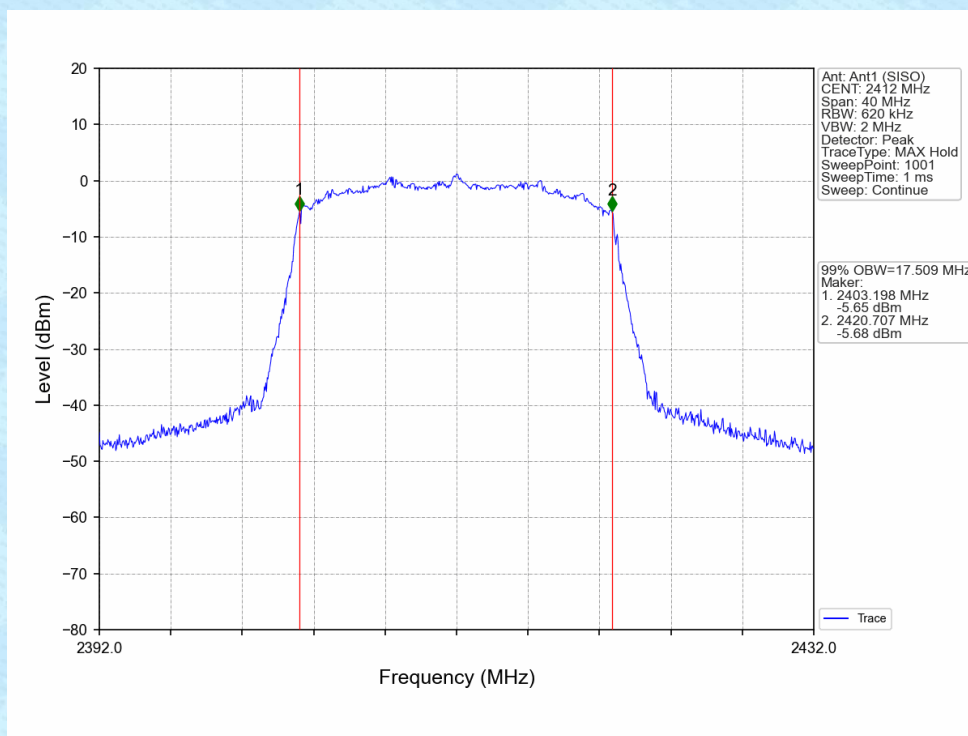
## 2.1.2 Test Graph



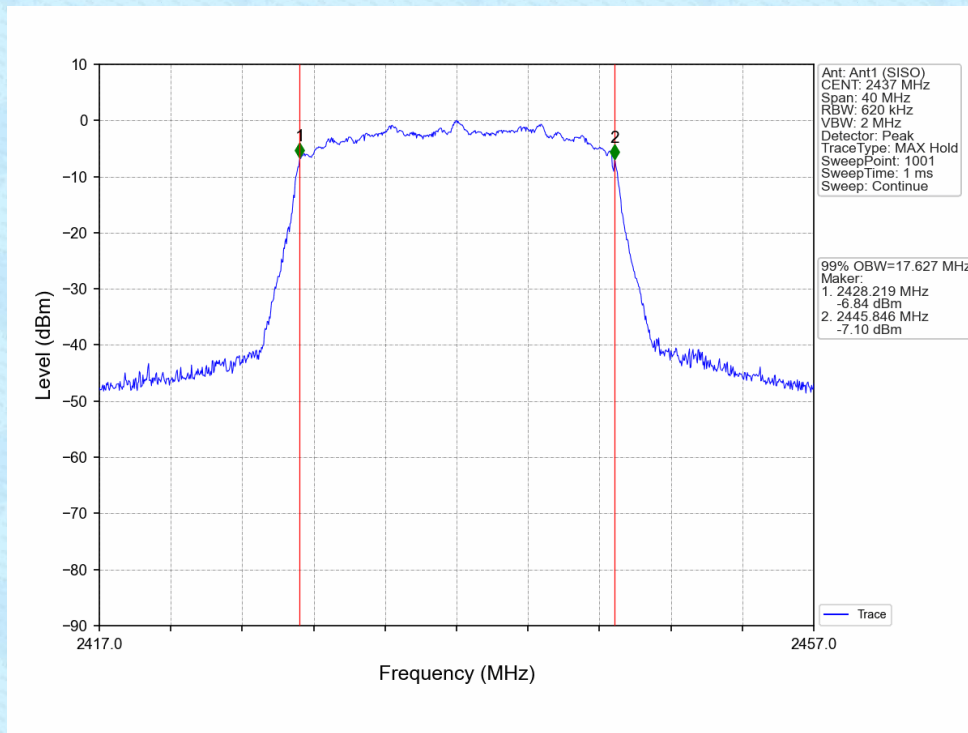
802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



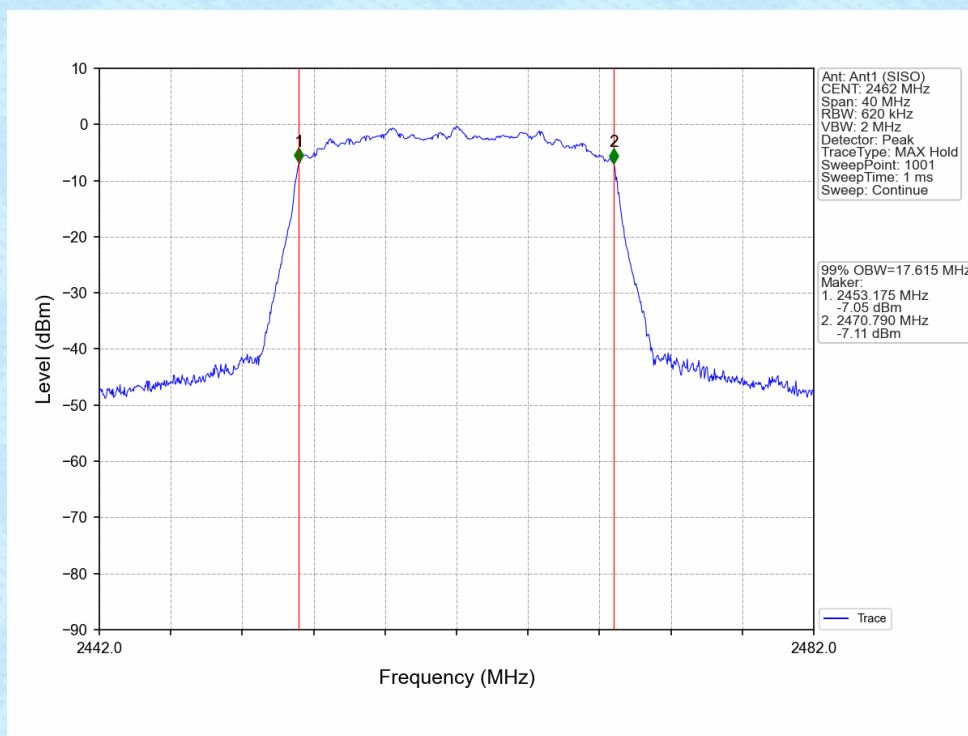
802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



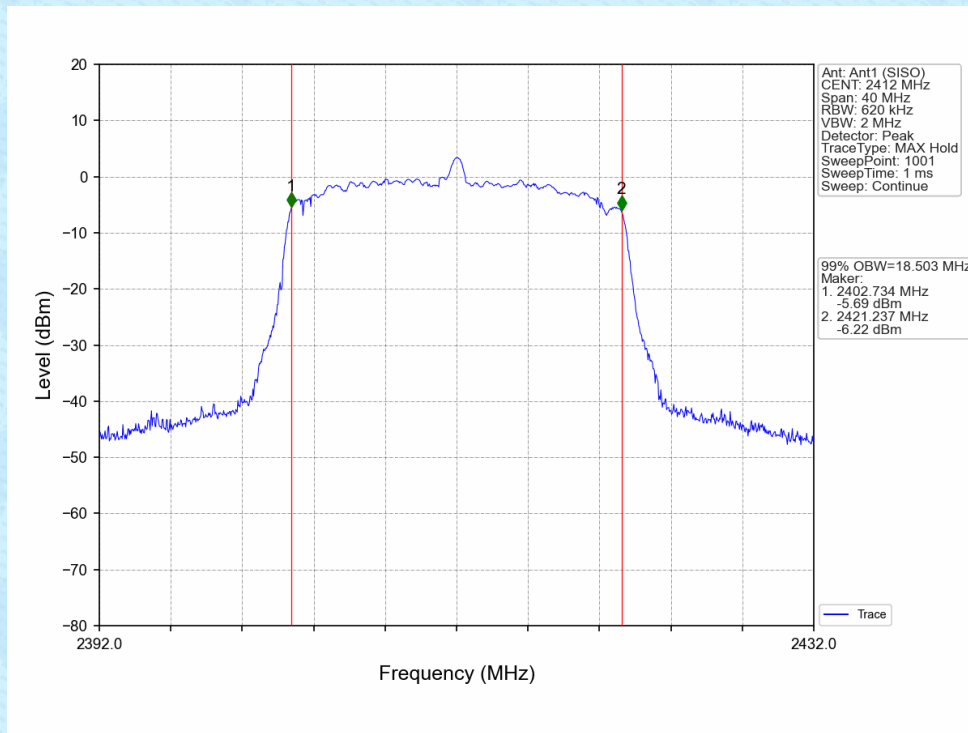
802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



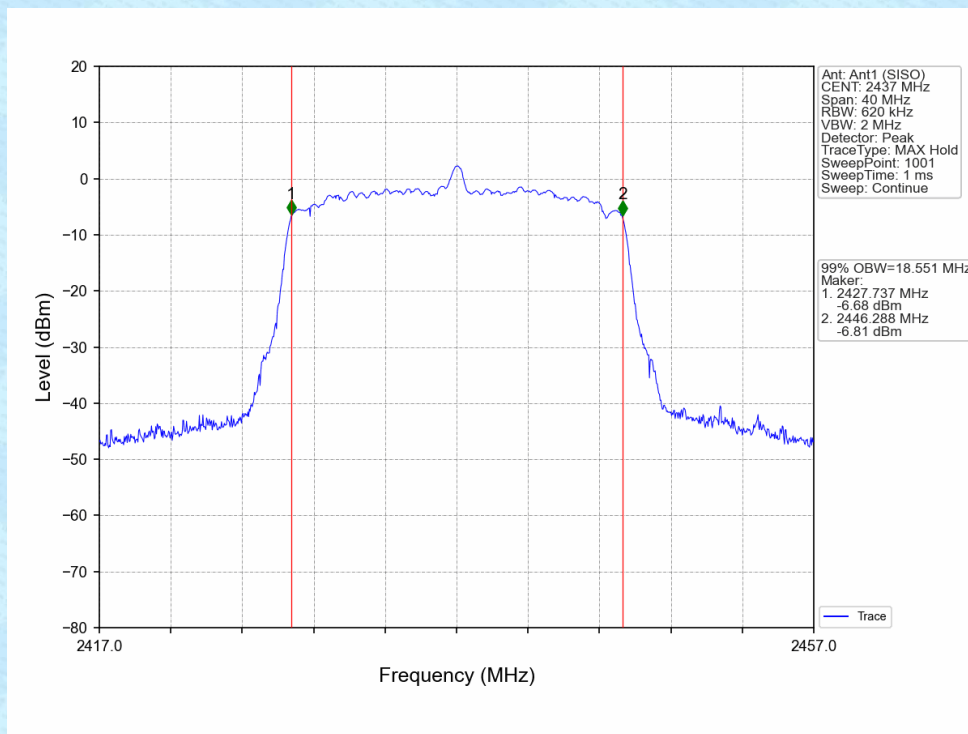
802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



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

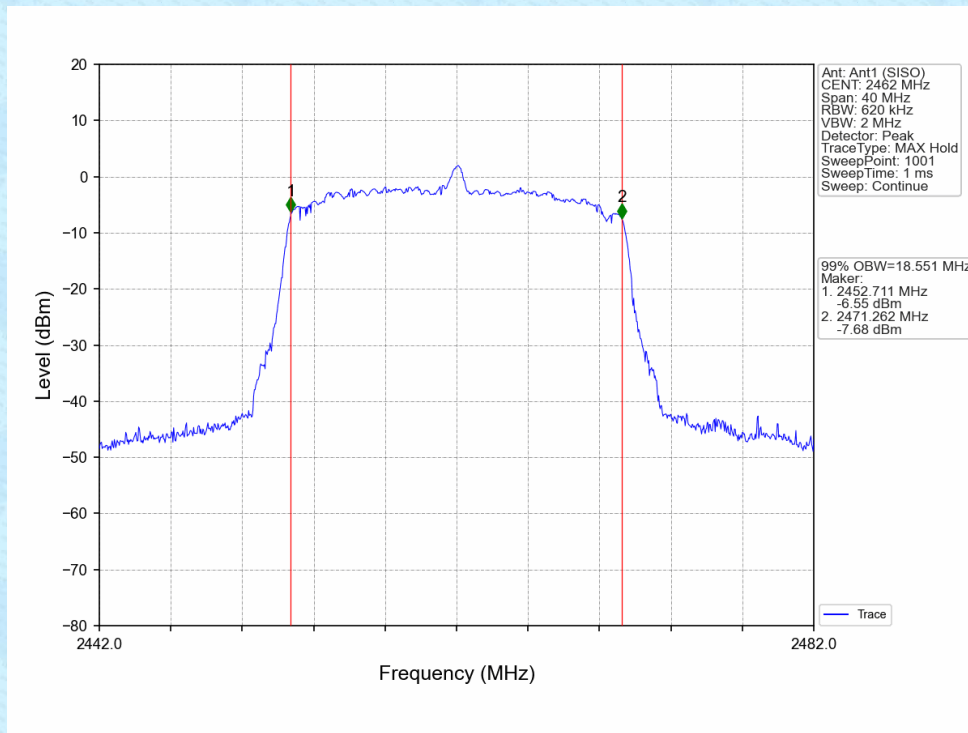


802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV

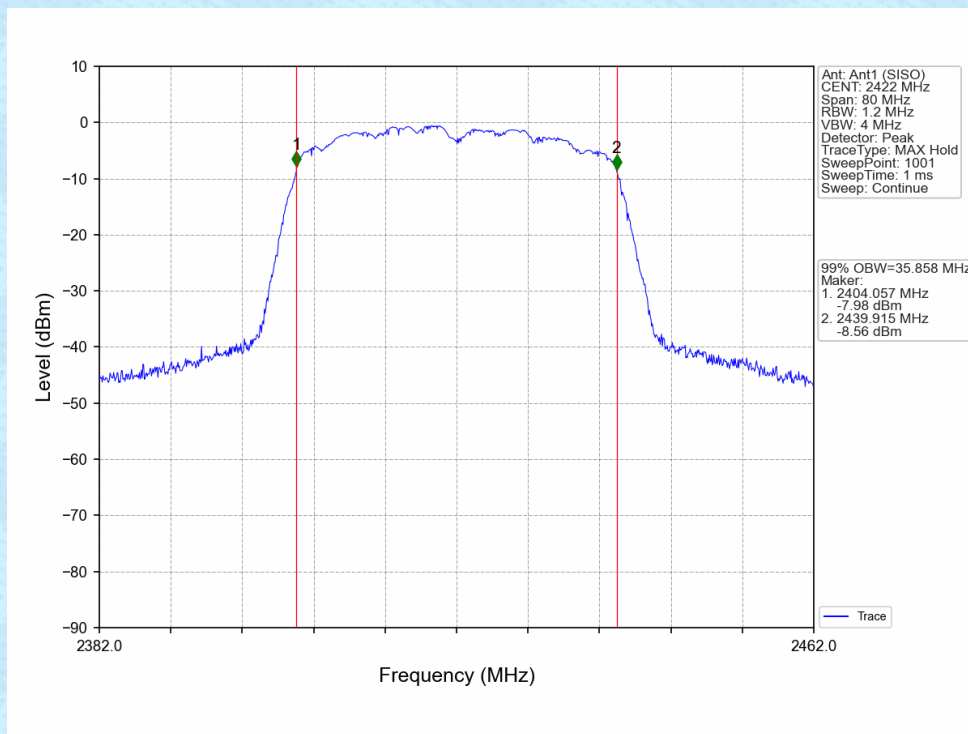




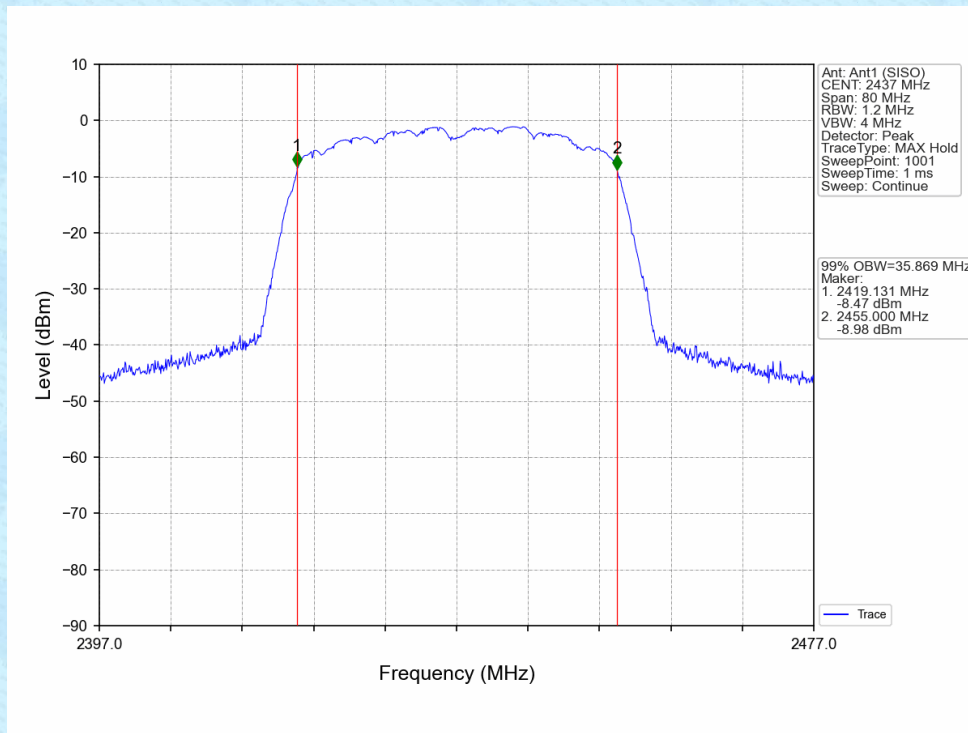
802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



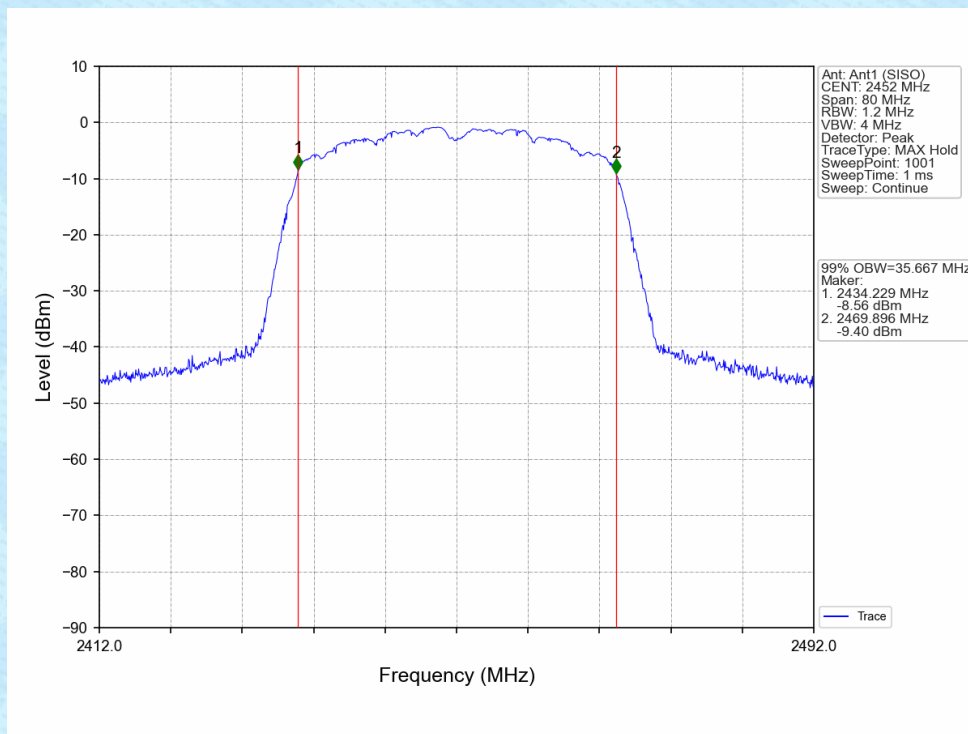
802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



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



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

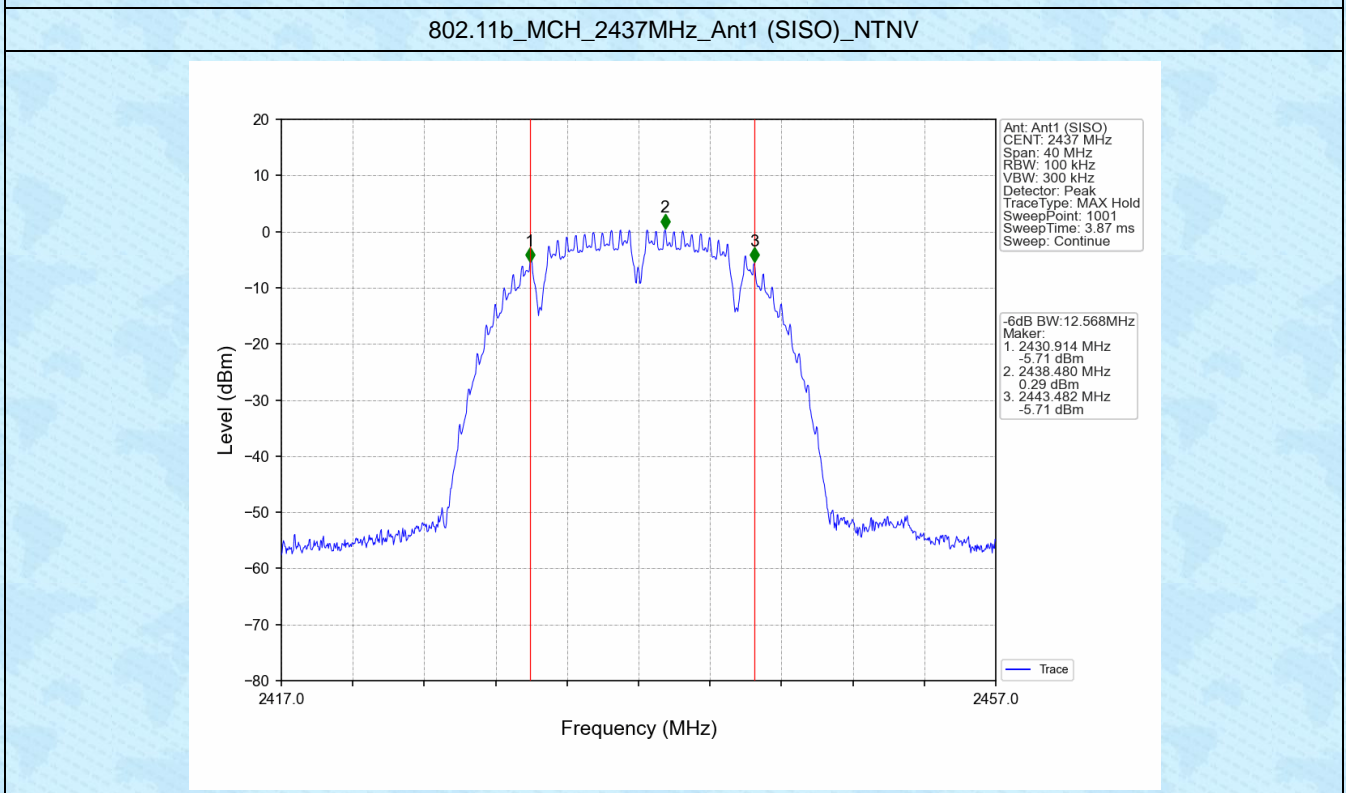
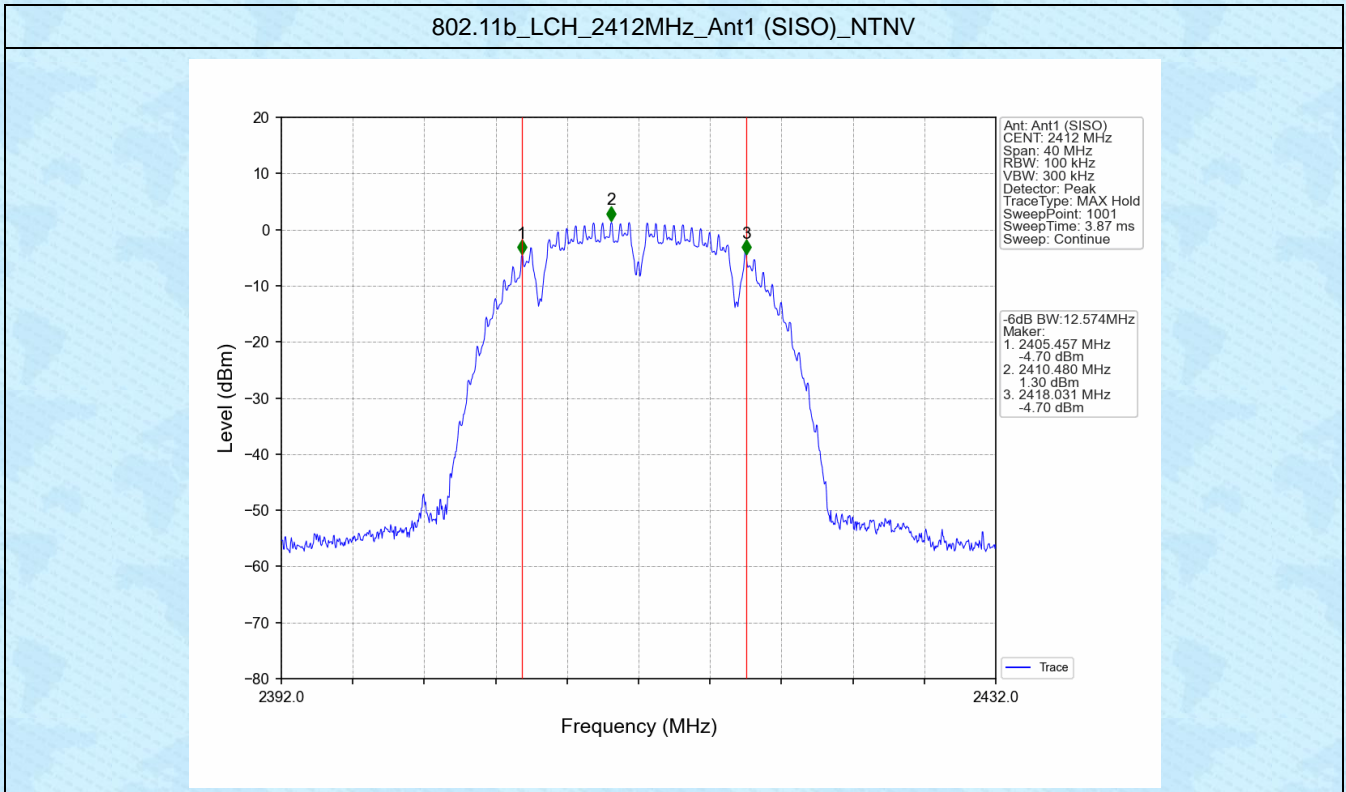


## 2.2 6dB BW

## 2.2.1 Test Result

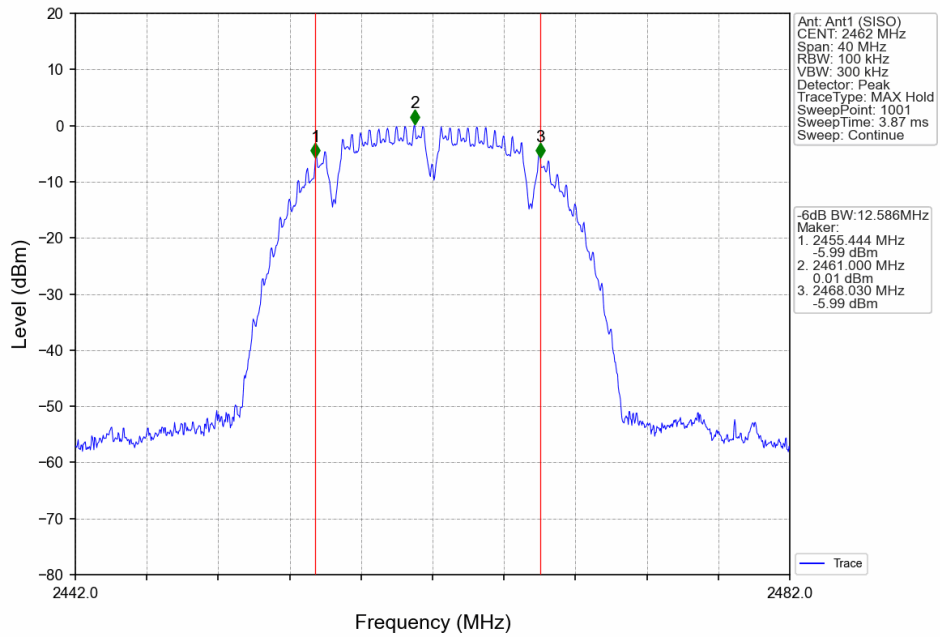
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	12.574	$\geq 0.5$	Pass
		2437	1	12.568	$\geq 0.5$	Pass
		2462	1	12.586	$\geq 0.5$	Pass
802.11g	SISO	2412	1	15.507	$\geq 0.5$	Pass
		2437	1	15.398	$\geq 0.5$	Pass
		2462	1	15.708	$\geq 0.5$	Pass
802.11n (HT20)	SISO	2412	1	16.638	$\geq 0.5$	Pass
		2437	1	16.633	$\geq 0.5$	Pass
		2462	1	16.655	$\geq 0.5$	Pass
802.11n (HT40)	SISO	2422	1	35.129	$\geq 0.5$	Pass
		2437	1	35.115	$\geq 0.5$	Pass
		2452	1	35.087	$\geq 0.5$	Pass

## 2.2.2 Test Graph

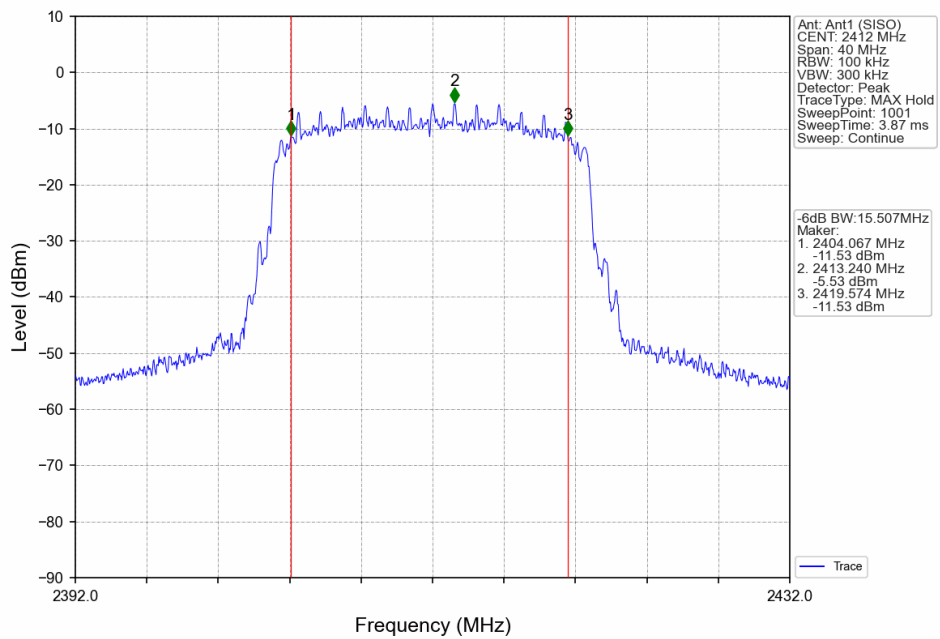




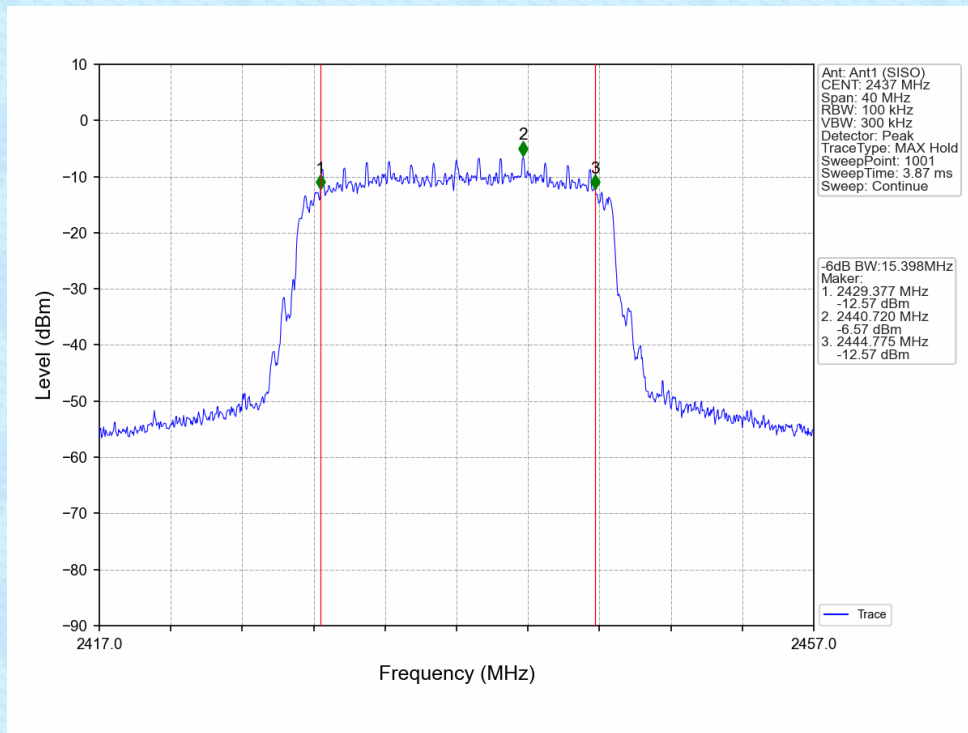
802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



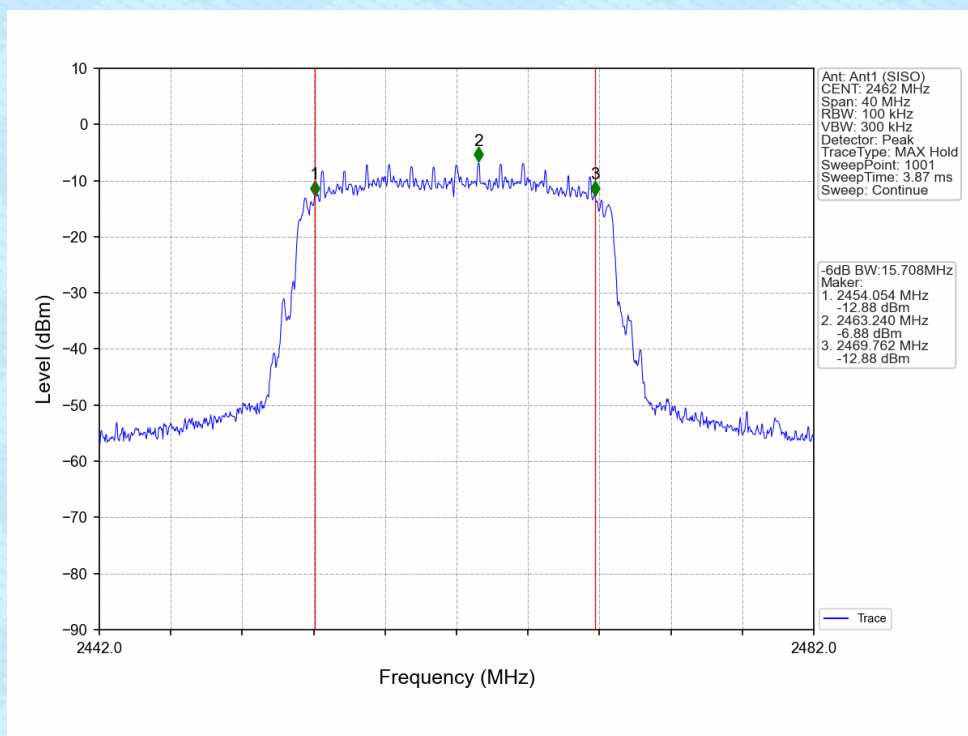
802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



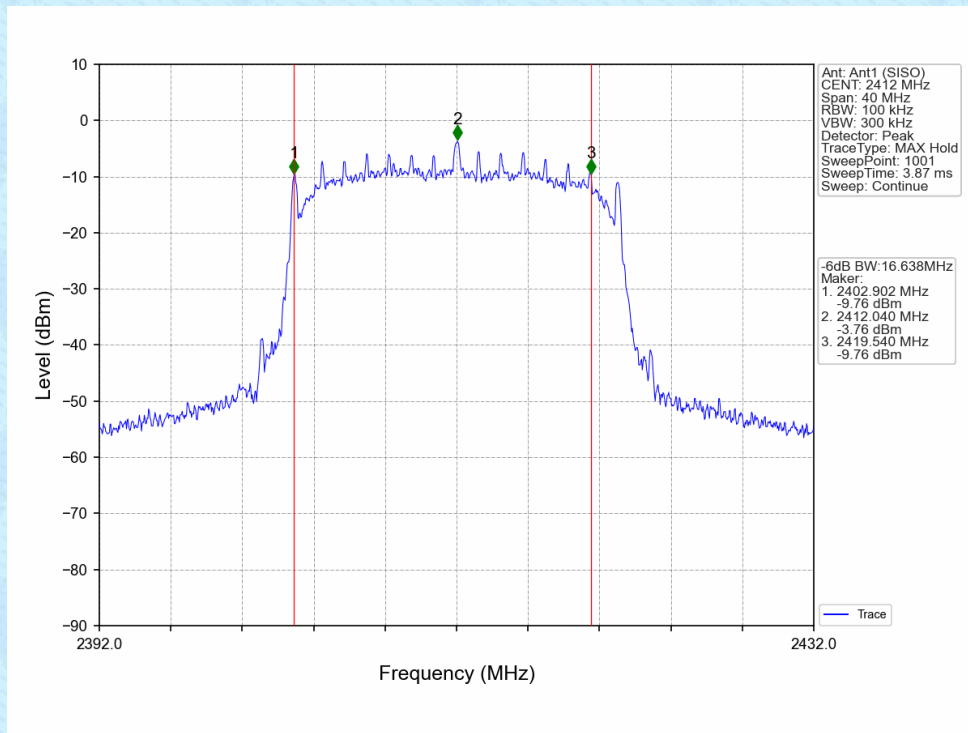
802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



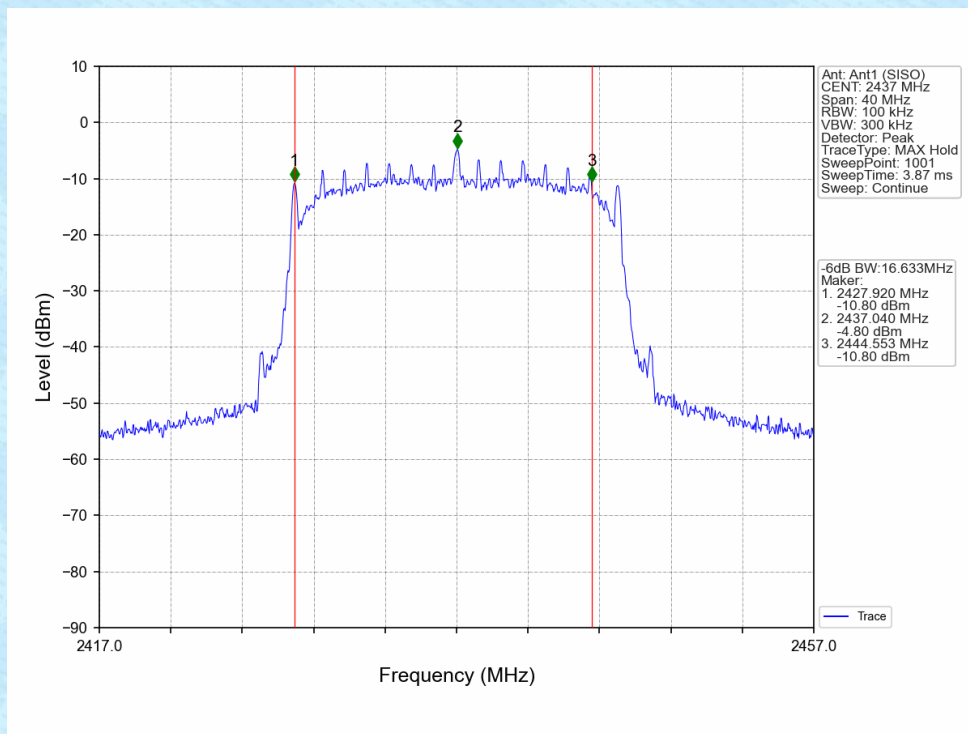
802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



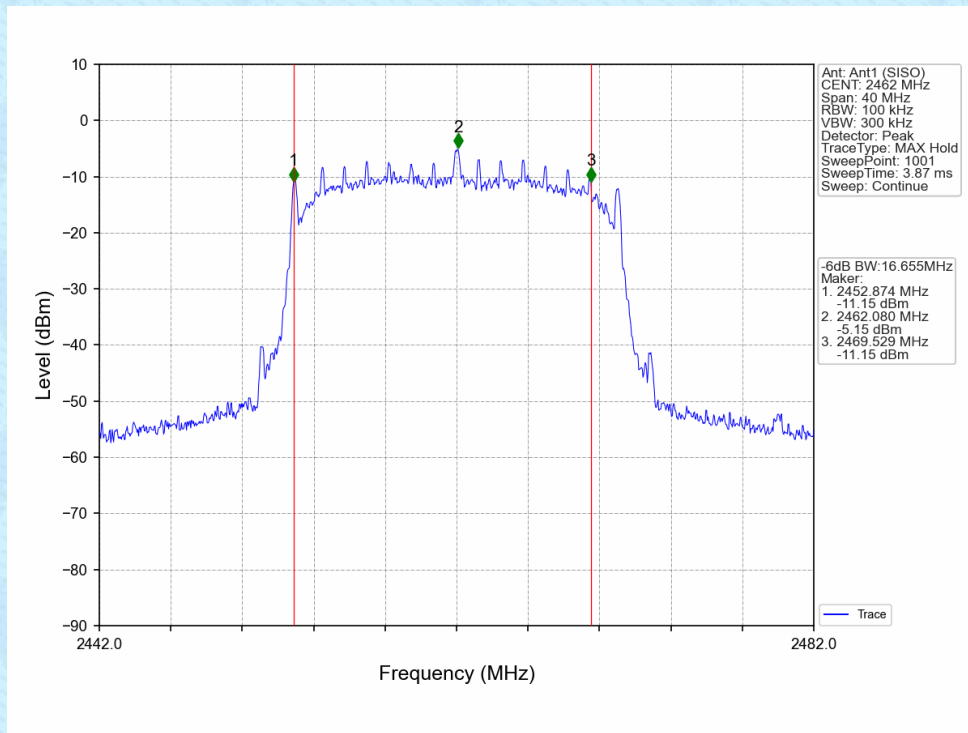
802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



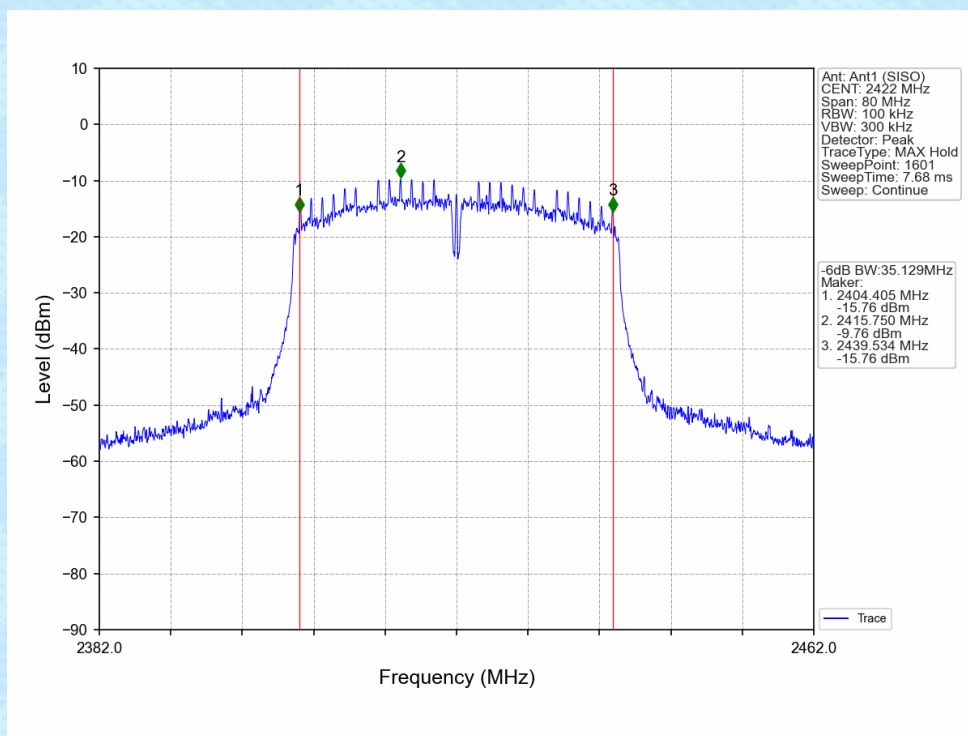
802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



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

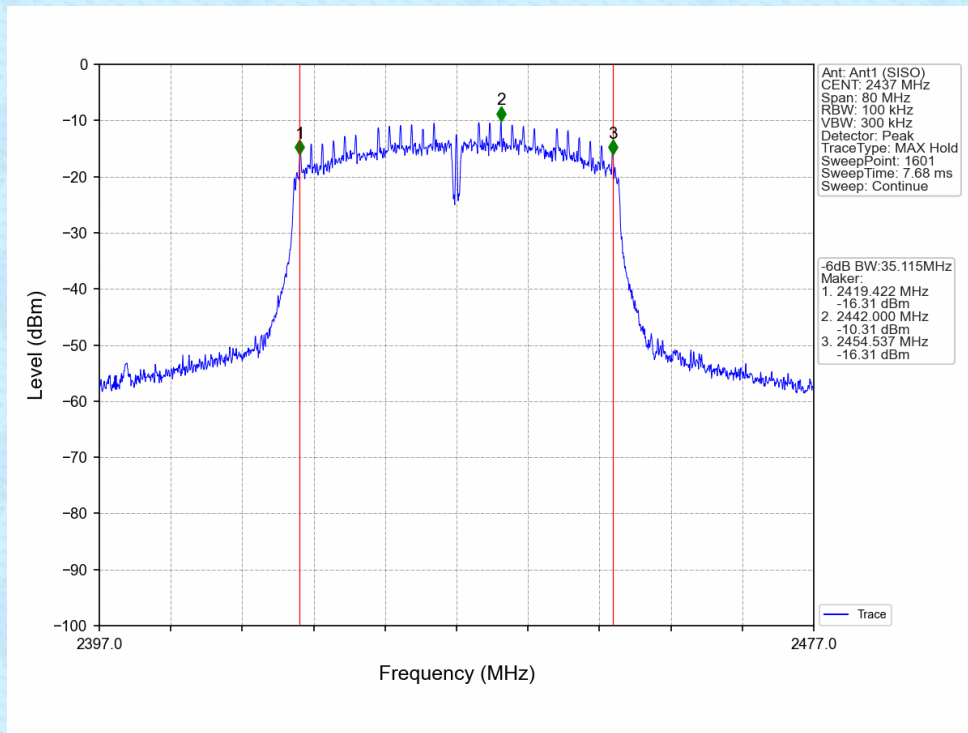


802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV

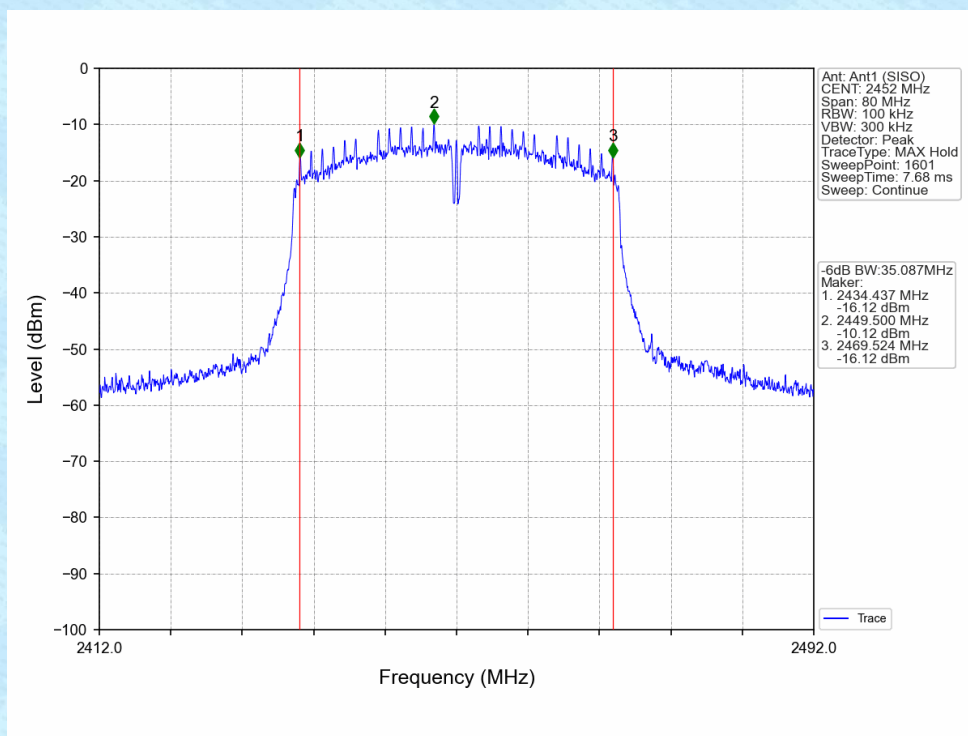




802.11n(HT40)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



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



## 3. Maximum Conducted Output Power

### 3.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	15.41	<=30	Pass
		2437	14.57	<=30	Pass
		2462	13.36	<=30	Pass
802.11g	SISO	2412	13.41	<=30	Pass
		2437	12.29	<=30	Pass
		2462	12.10	<=30	Pass
802.11n (HT20)	SISO	2412	13.42	<=30	Pass
		2437	12.32	<=30	Pass
		2462	12.08	<=30	Pass
802.11n (HT40)	SISO	2422	11.46	<=30	Pass
		2437	10.90	<=30	Pass
		2452	10.87	<=30	Pass

Note1: Antenna Gain: Ant1: 2.53dBi;

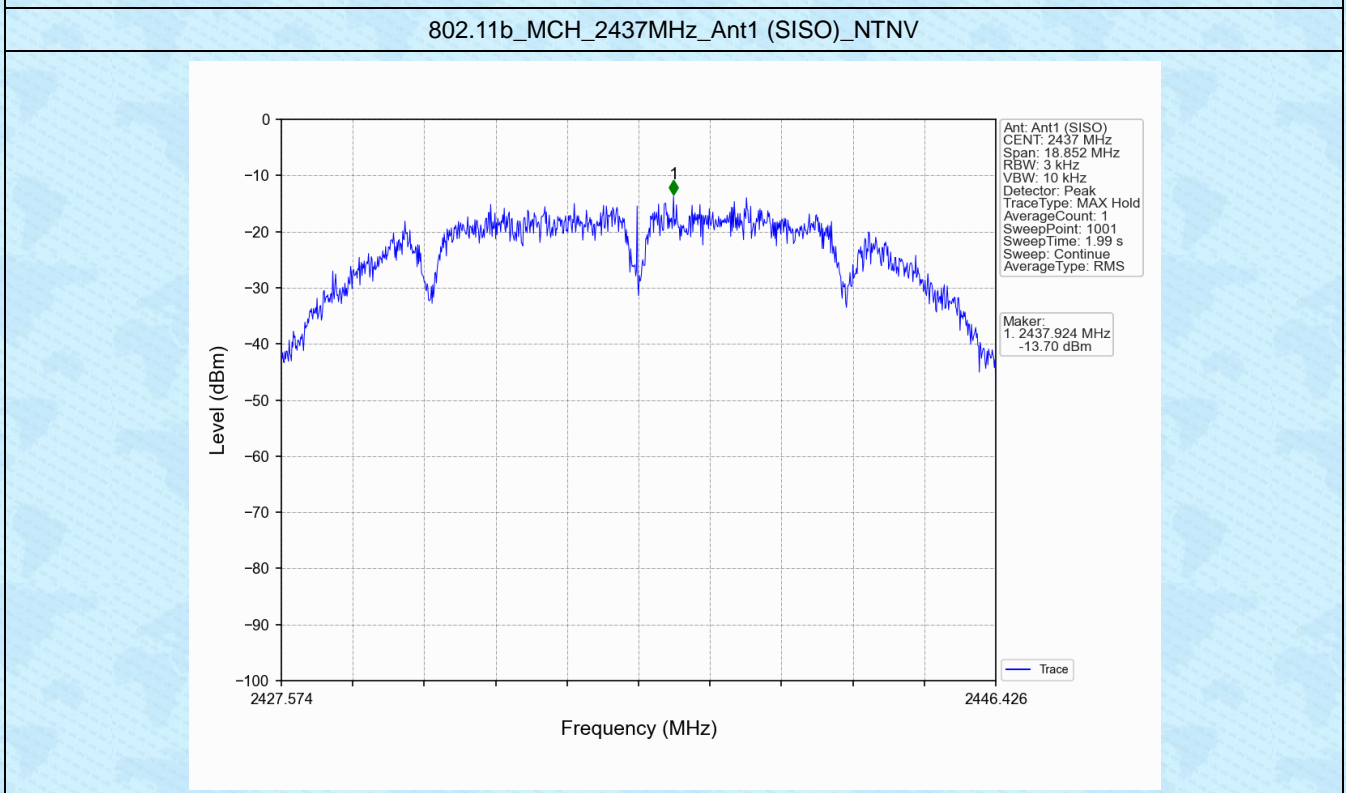
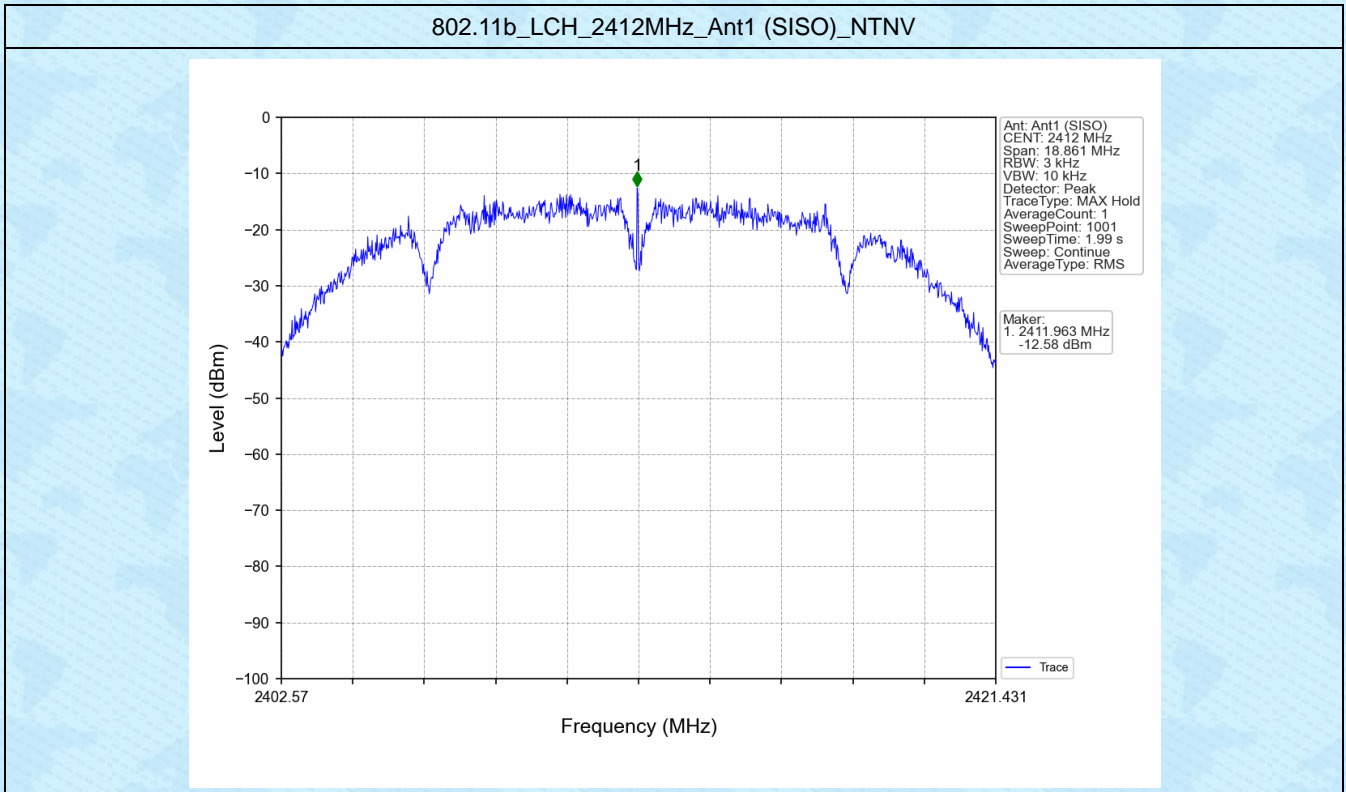
## 4. Maximum Power Spectral Density

### 4.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	-12.58	<=8	Pass
		2437	-13.70	<=8	Pass
		2462	-13.73	<=8	Pass
802.11g	SISO	2412	-13.30	<=8	Pass
		2437	-14.11	<=8	Pass
		2462	-13.78	<=8	Pass
802.11n (HT20)	SISO	2412	-12.33	<=8	Pass
		2437	-13.74	<=8	Pass
		2462	-12.82	<=8	Pass
802.11n (HT40)	SISO	2422	-13.98	<=8	Pass
		2437	-15.34	<=8	Pass
		2452	-14.17	<=8	Pass

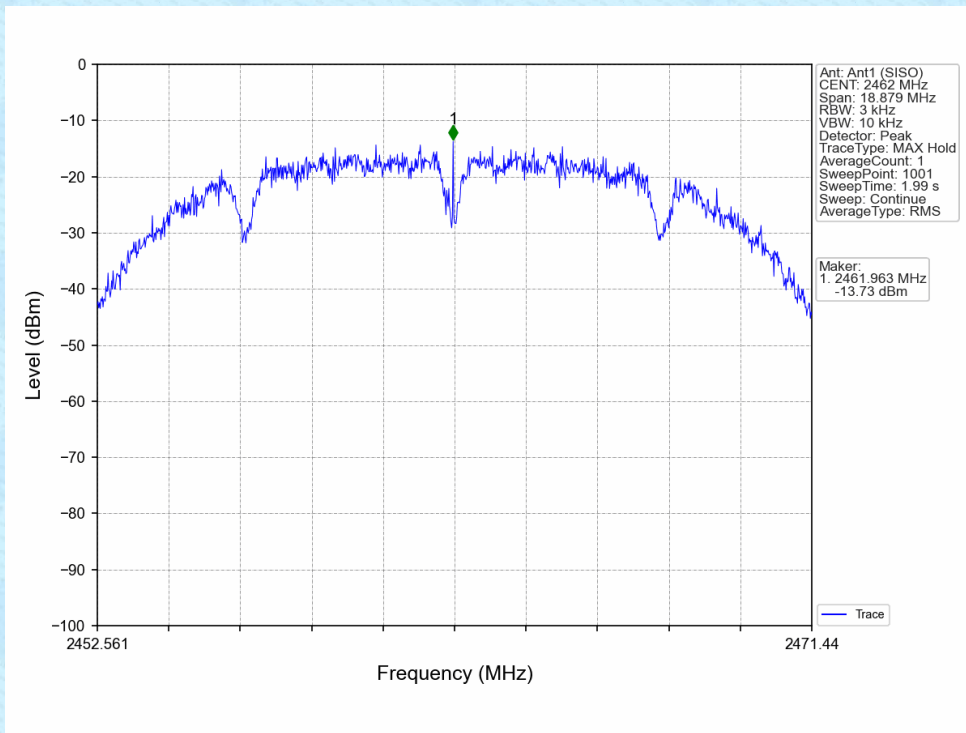
Note1: Antenna Gain: Ant1: 2.53dBi;

## 4.2 Test Graph

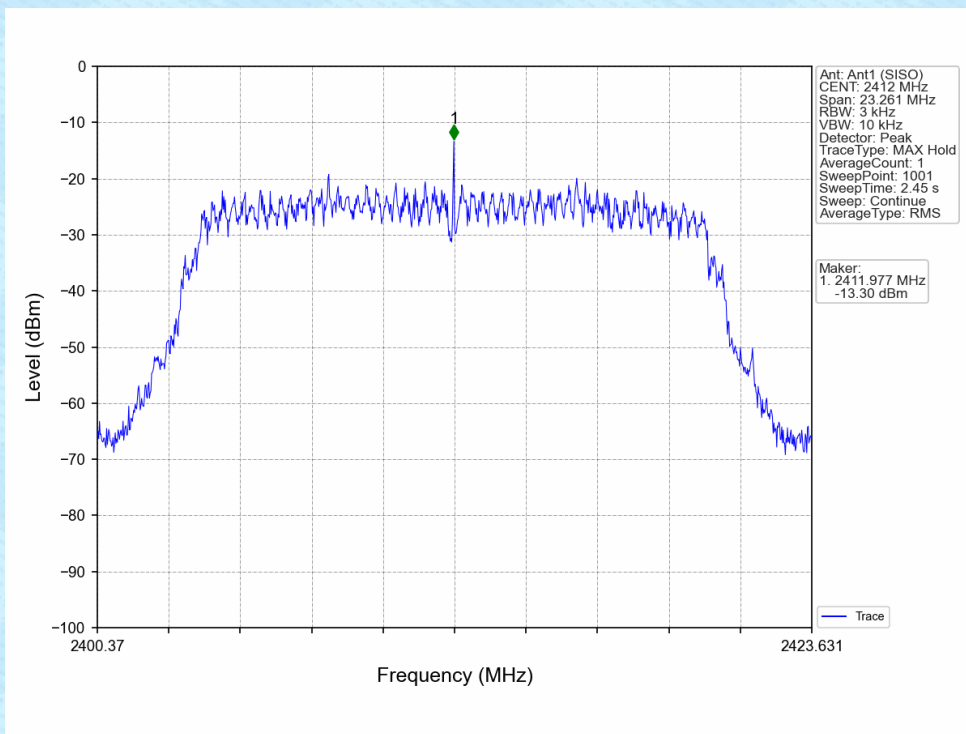




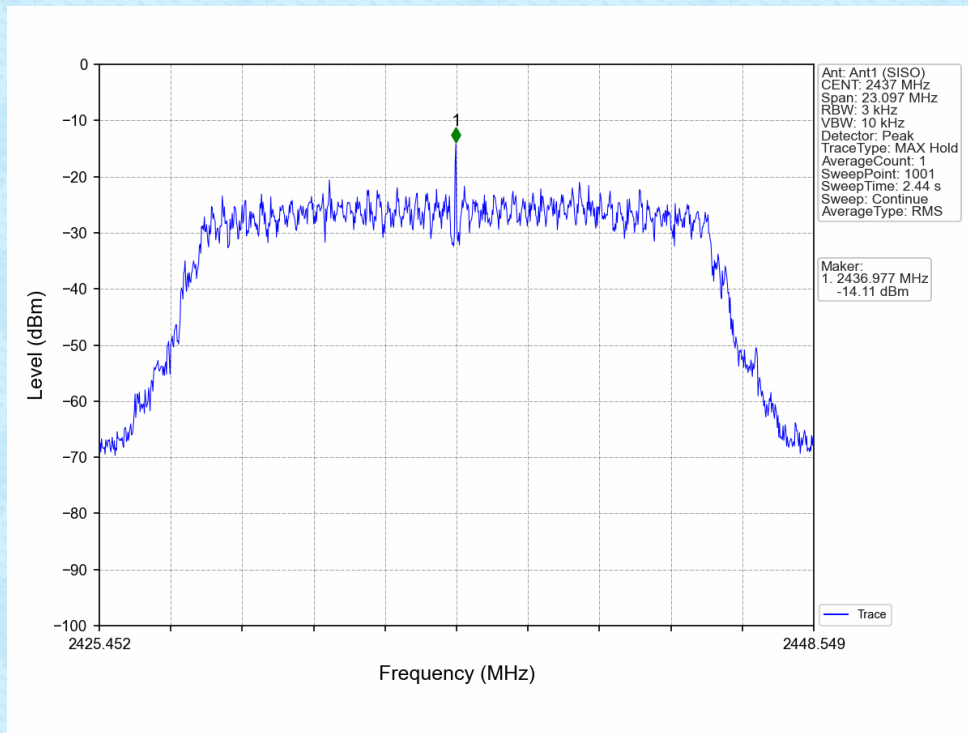
802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



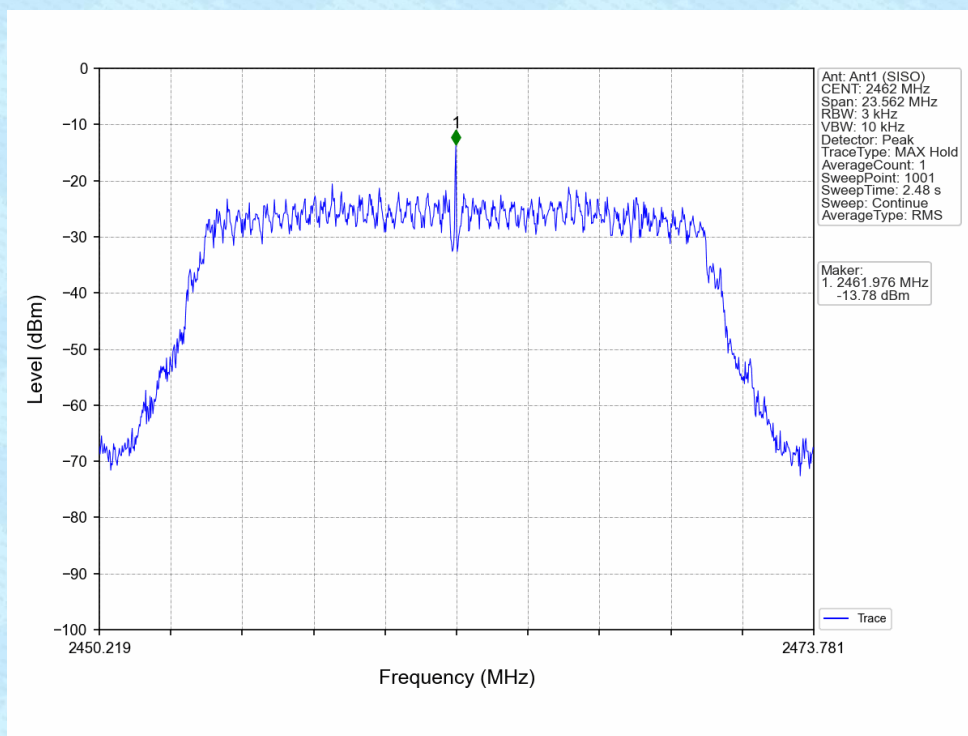
802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



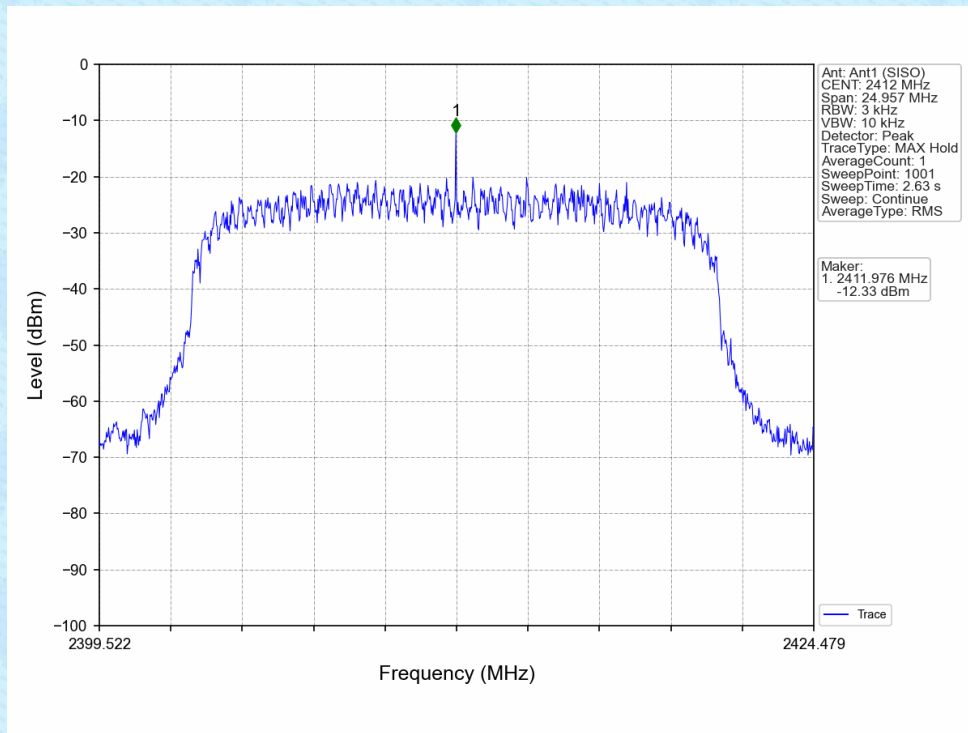
802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



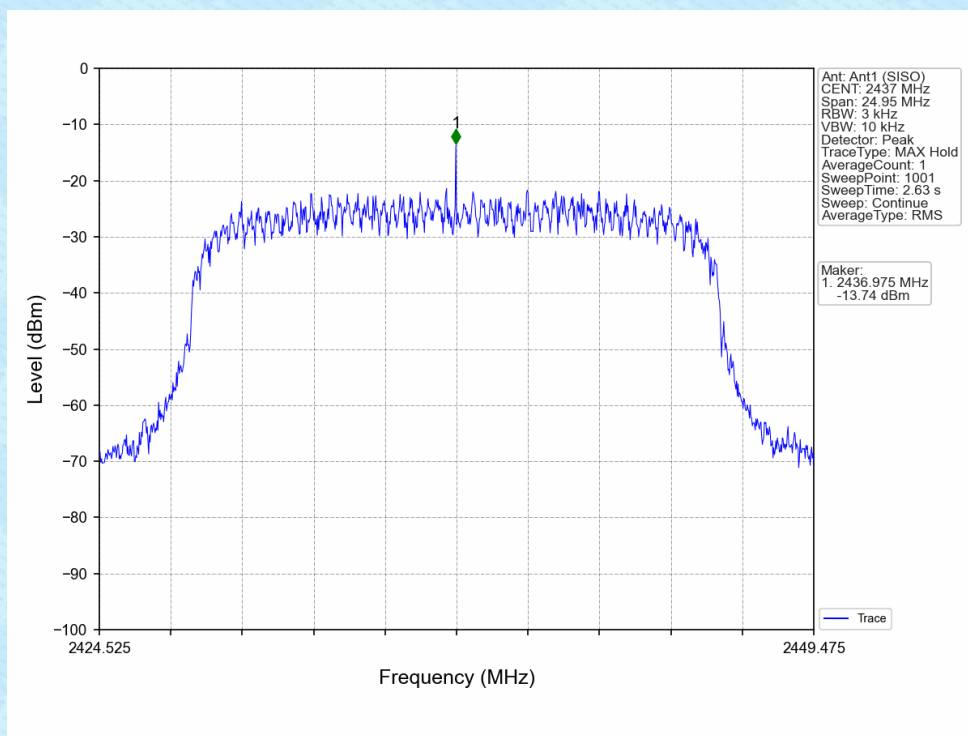
802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



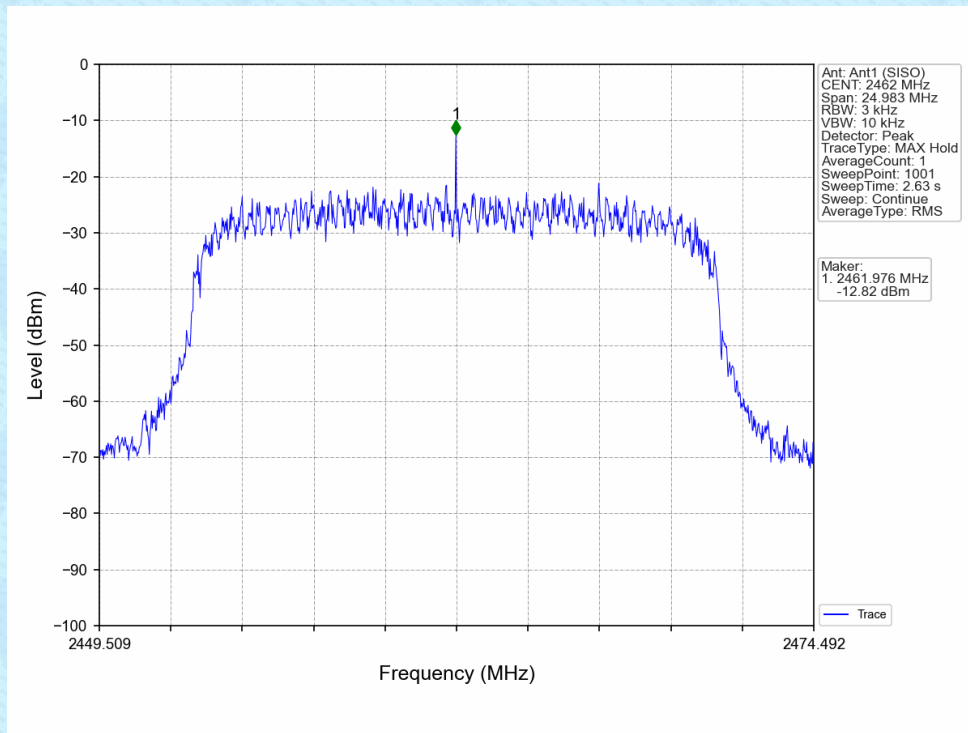
802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



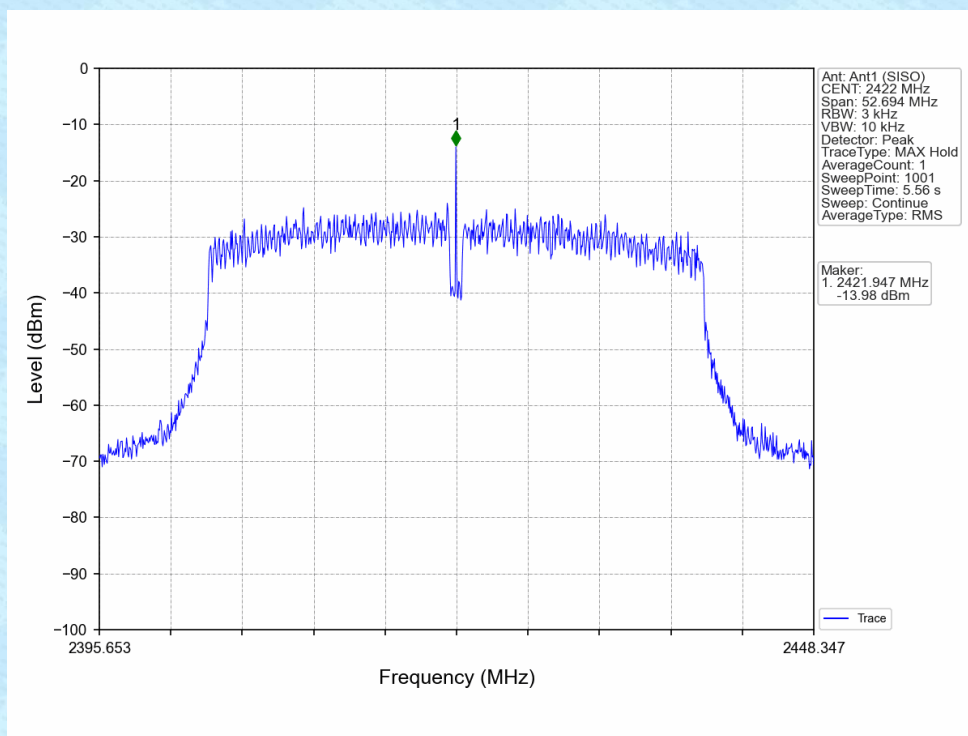
802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



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

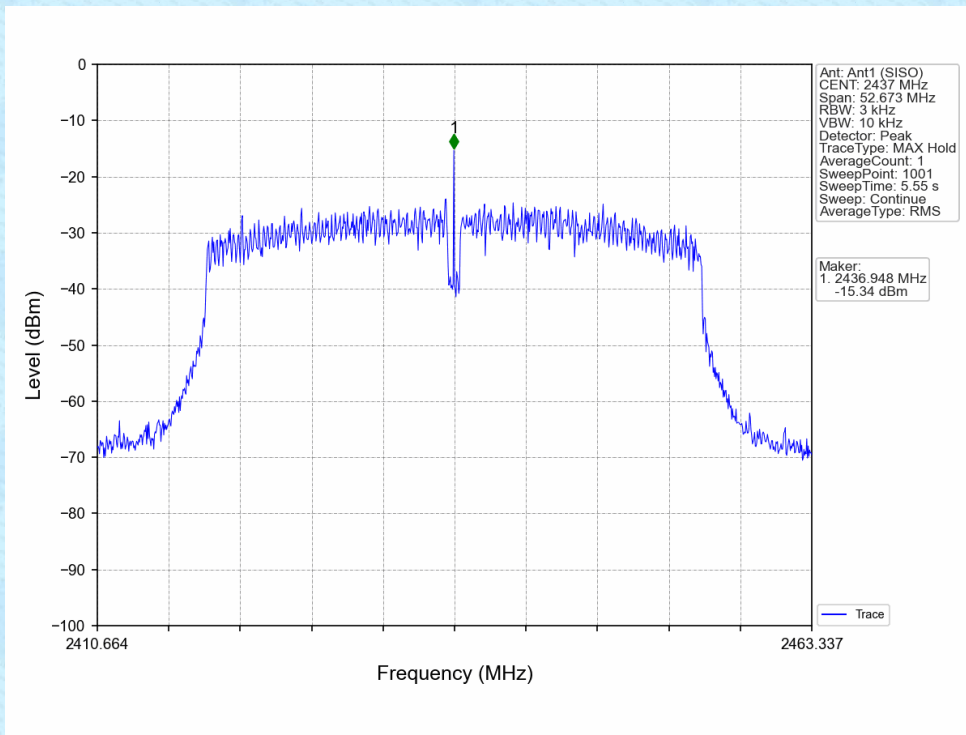


802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV

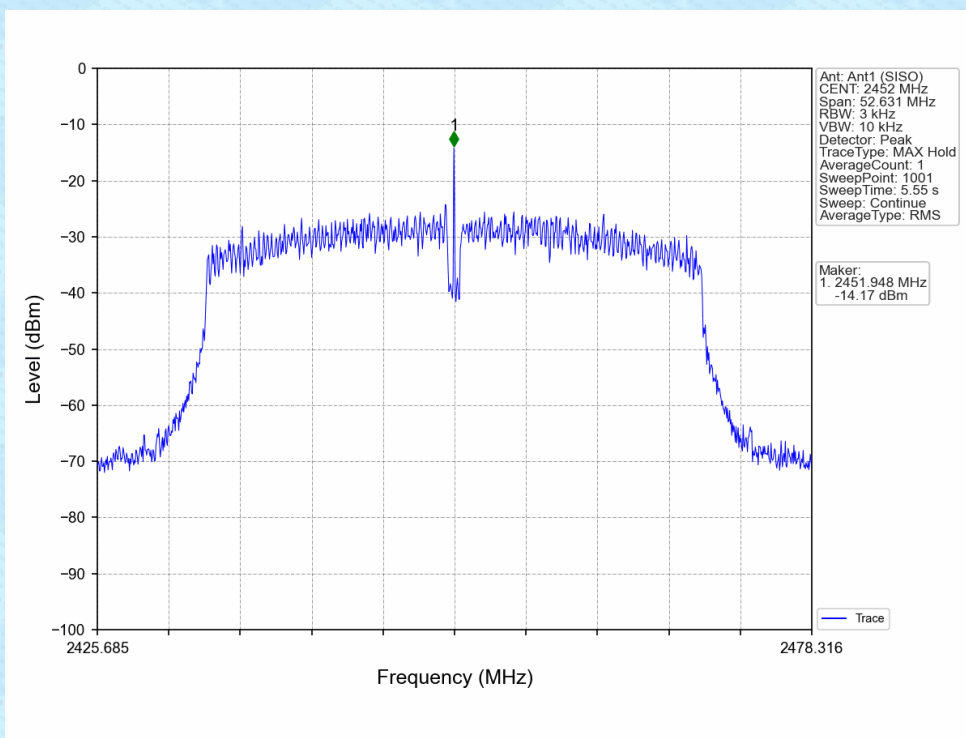




802.11n(HT40)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



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



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

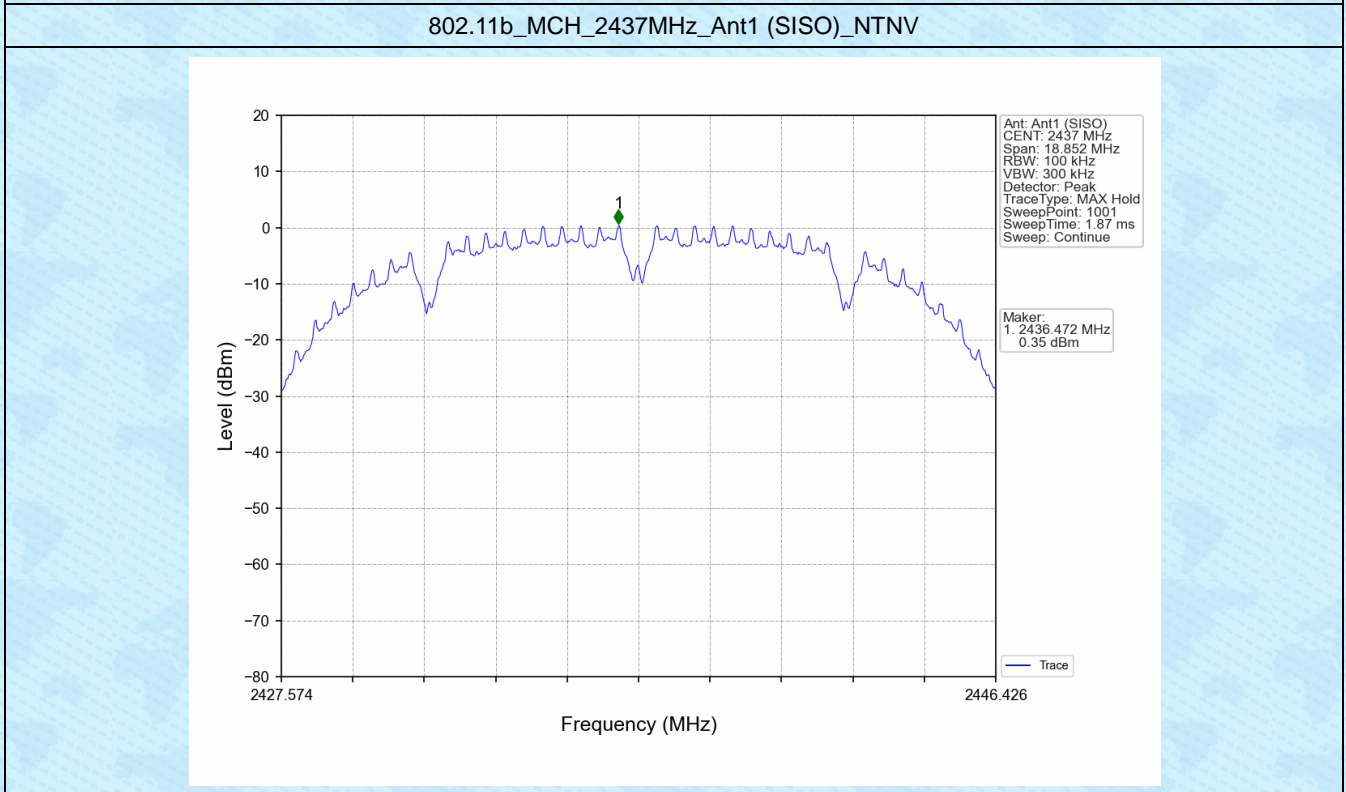
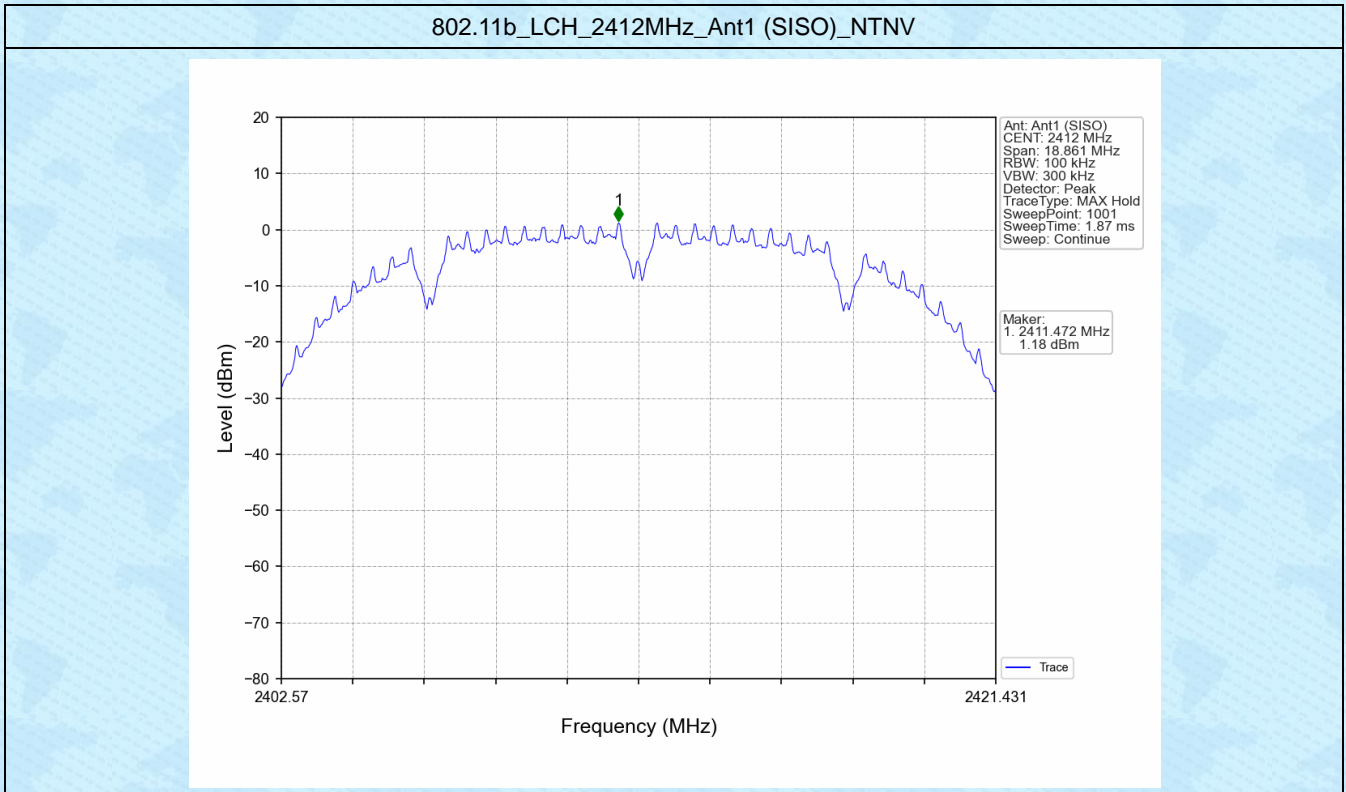
### 5.1 Ref

#### 5.1.1 Test Result

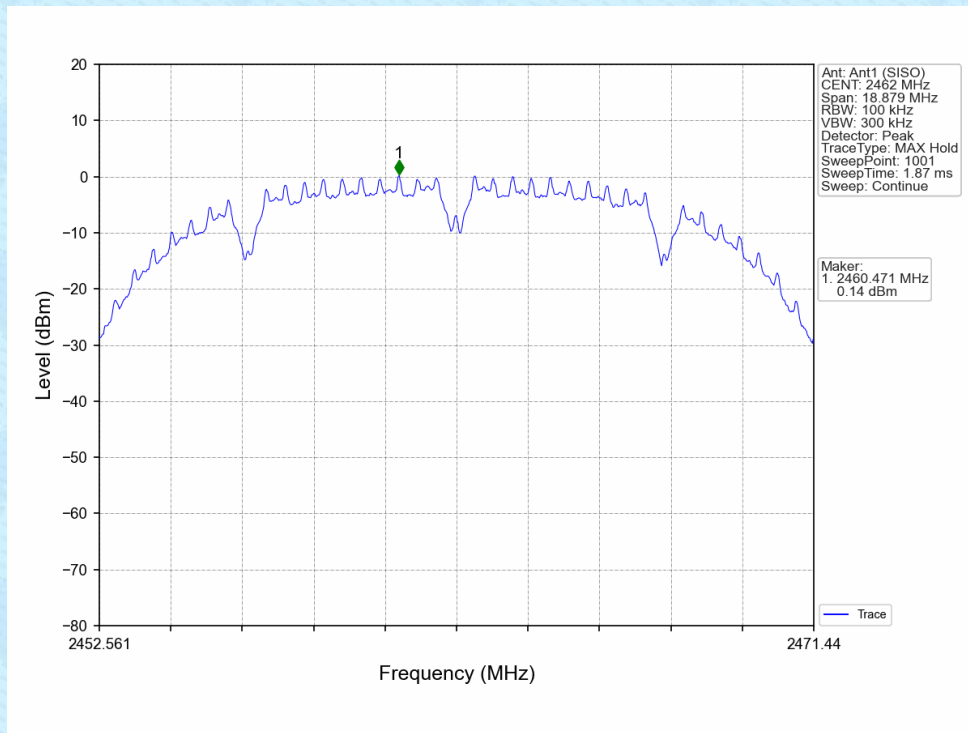
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	1.18
		2437	1	0.35
		2462	1	0.14
802.11g	SISO	2412	1	-5.69
		2437	1	-6.49
		2462	1	-6.80
802.11n (HT20)	SISO	2412	1	-4.11
		2437	1	-5.00
		2462	1	-5.44
802.11n (HT40)	SISO	2422	1	-9.79
		2437	1	-10.11
		2452	1	-10.34

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.

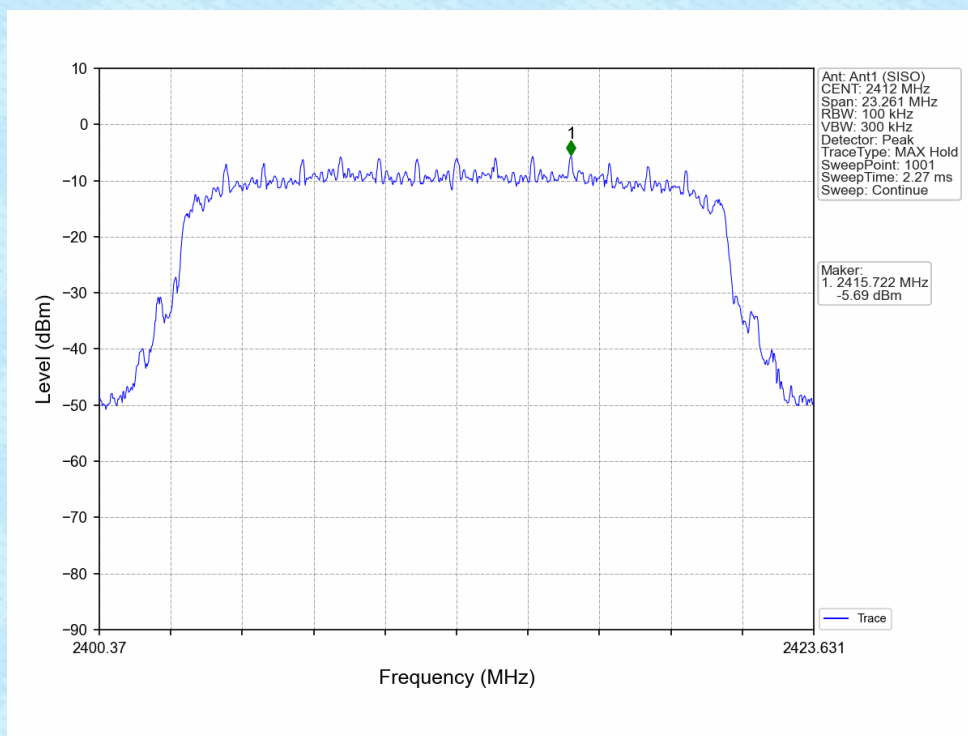
## 5.1.2 Test Graph



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

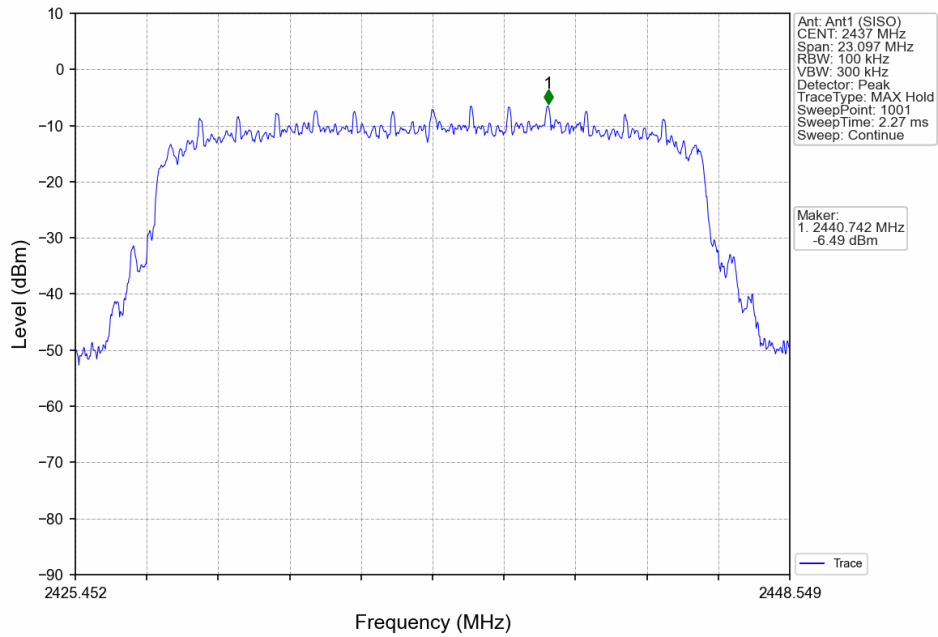


802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV

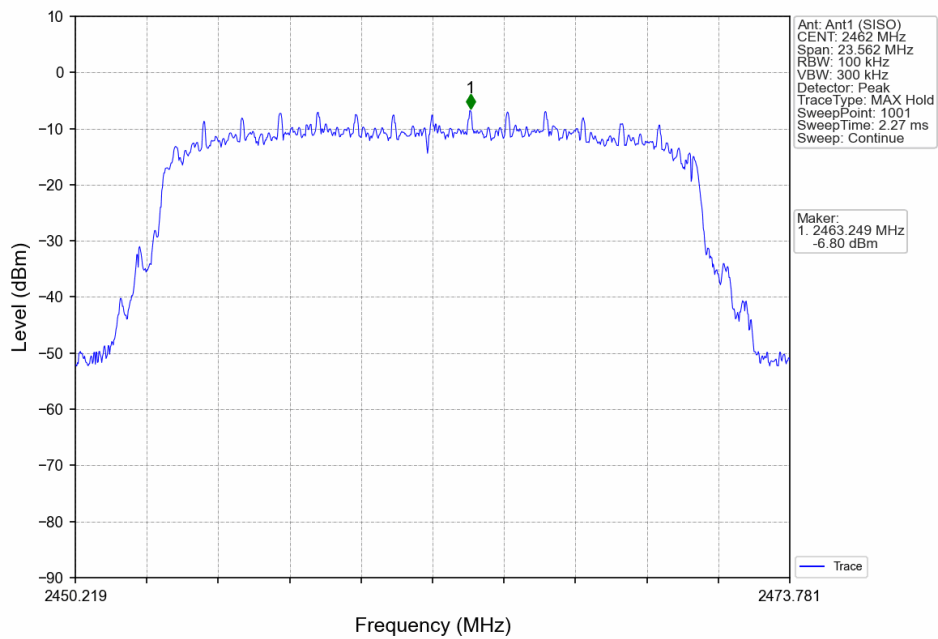




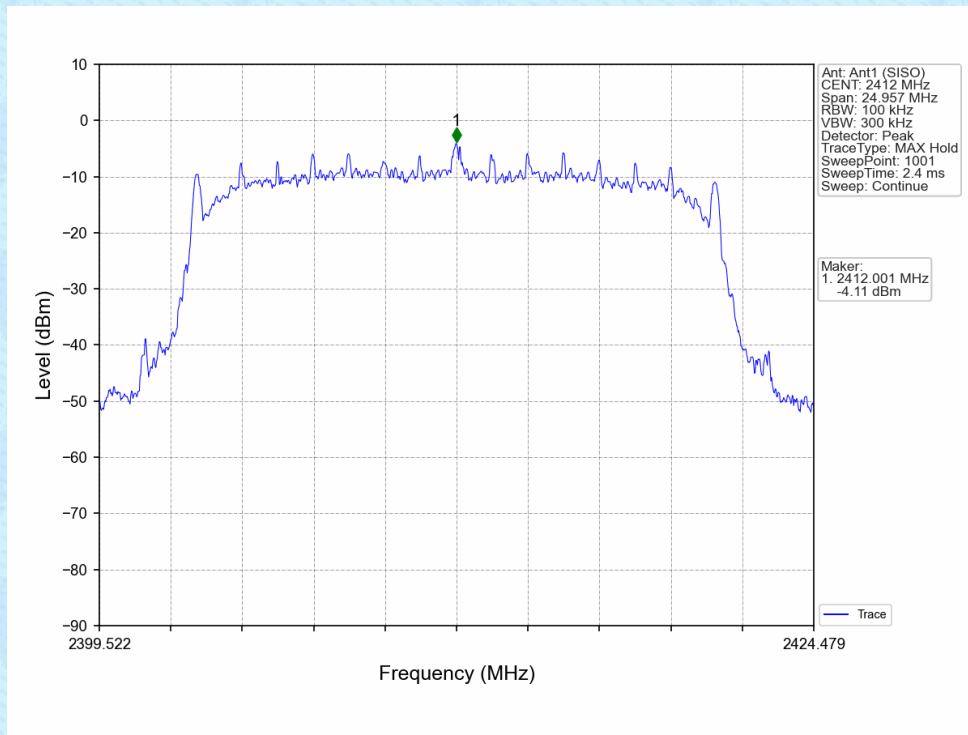
802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



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



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



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

