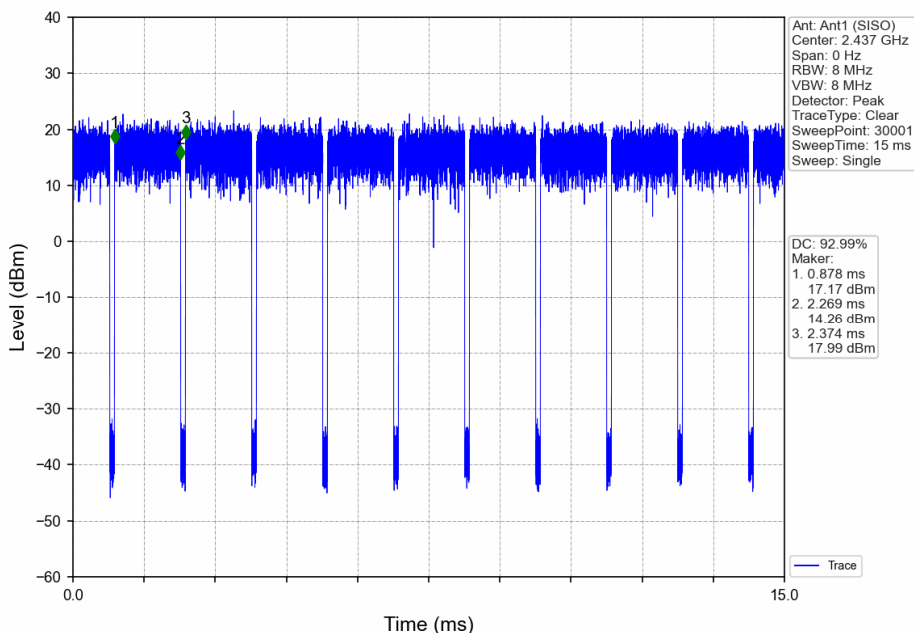
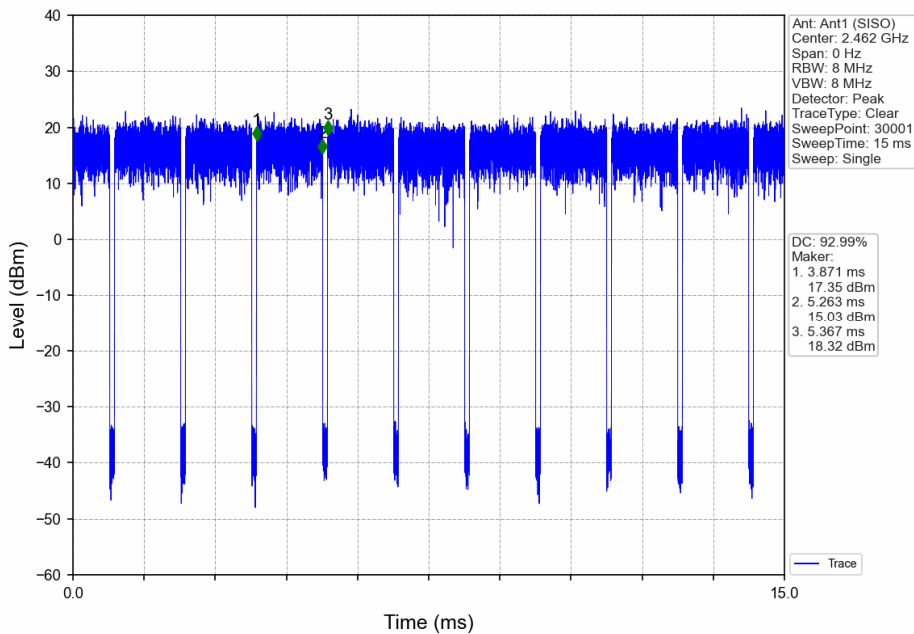


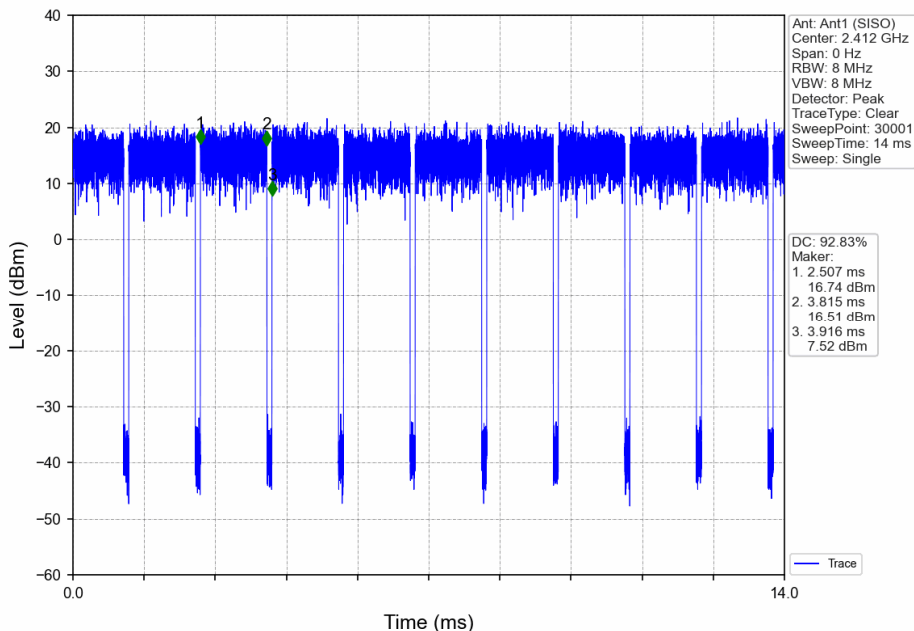
### 802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



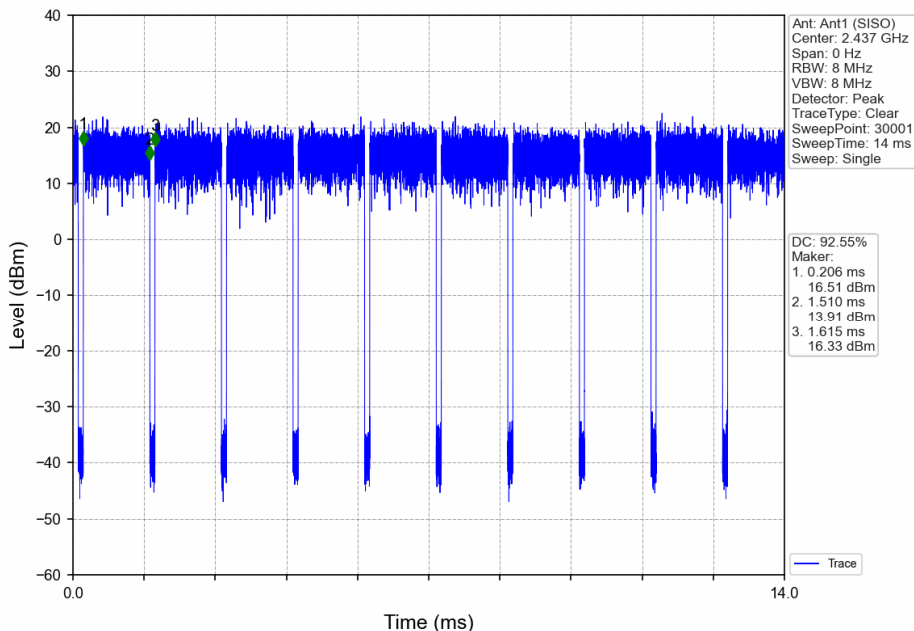
### 802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



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

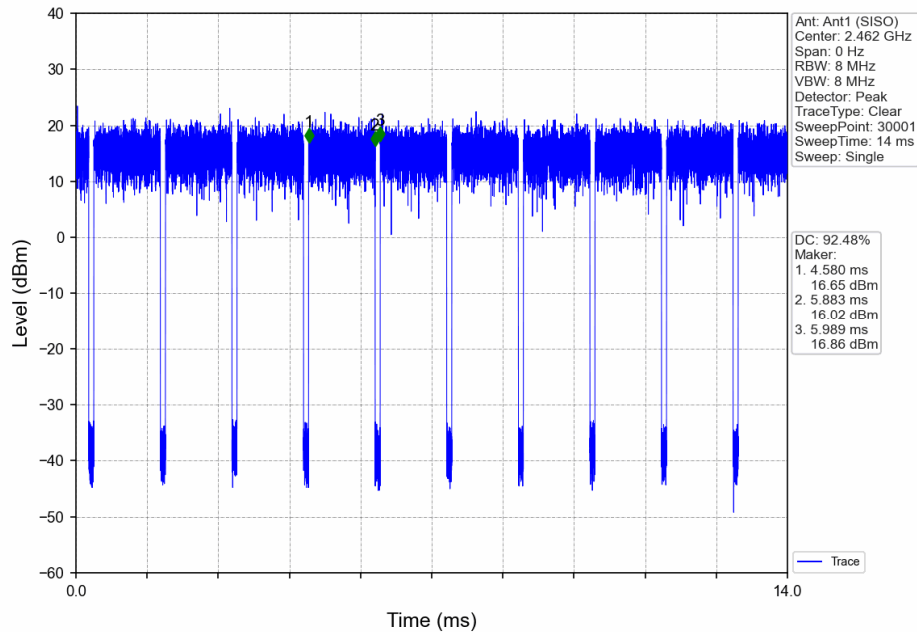


802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



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



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## 2. Bandwidth

## 2.1 OBW

## 2.1.1 Test Result

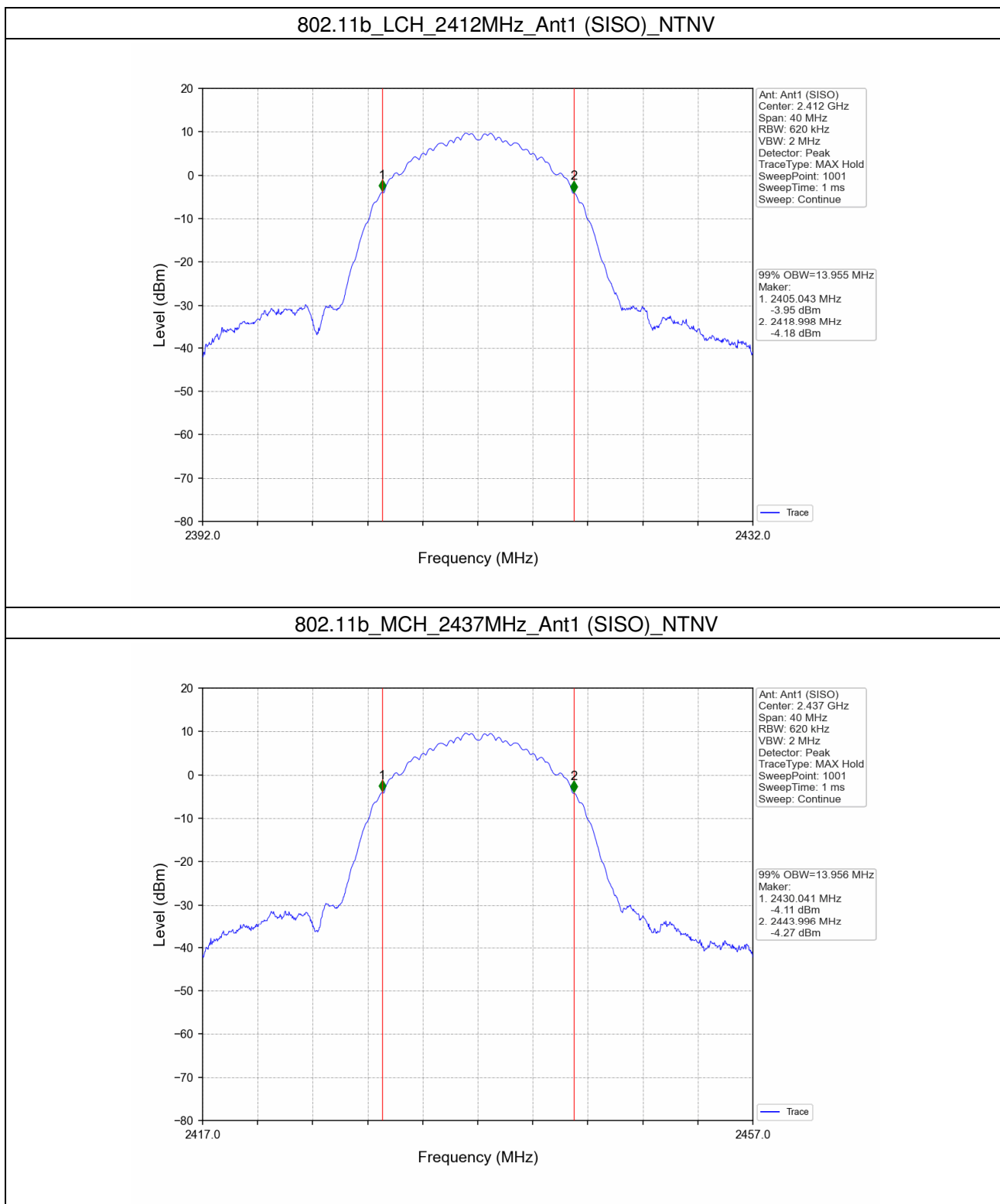
Mode	TX Type	Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Verdict
				Result	
802.11b	SISO	2412	1	13.955	Pass
		2437	1	13.956	Pass
		2462	1	13.972	Pass
802.11g	SISO	2412	1	17.272	Pass
		2437	1	17.280	Pass
		2462	1	17.246	Pass
802.11n (HT20)	SISO	2412	1	18.253	Pass
		2437	1	18.322	Pass
		2462	1	18.303	Pass



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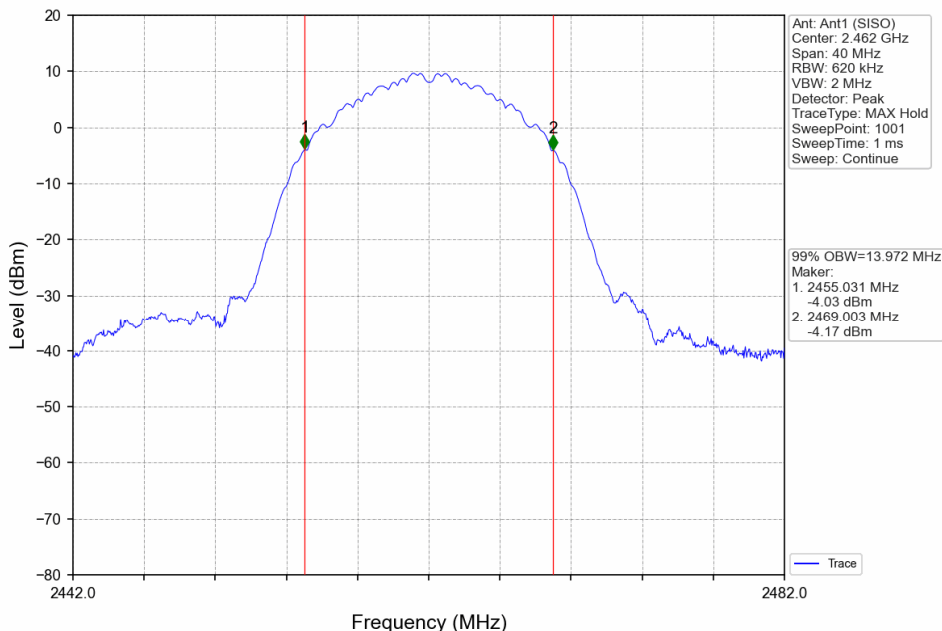
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### 2.1.2 Test Graph

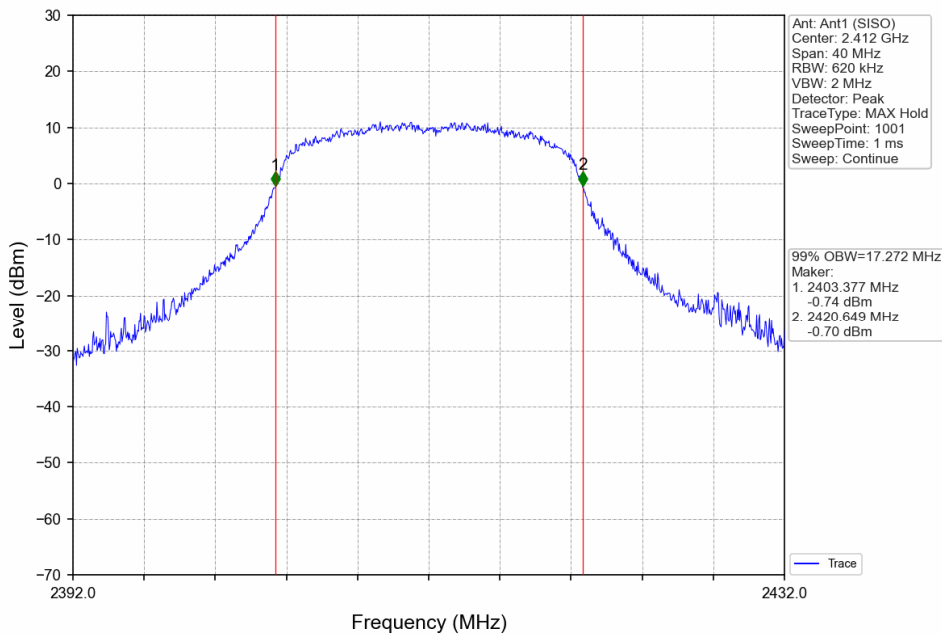




### 802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

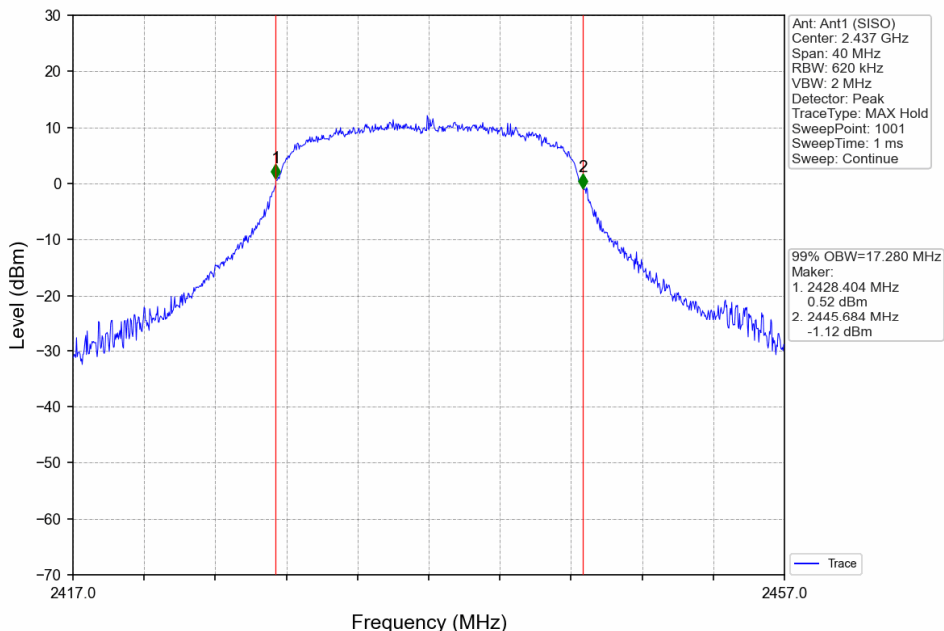


### 802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV

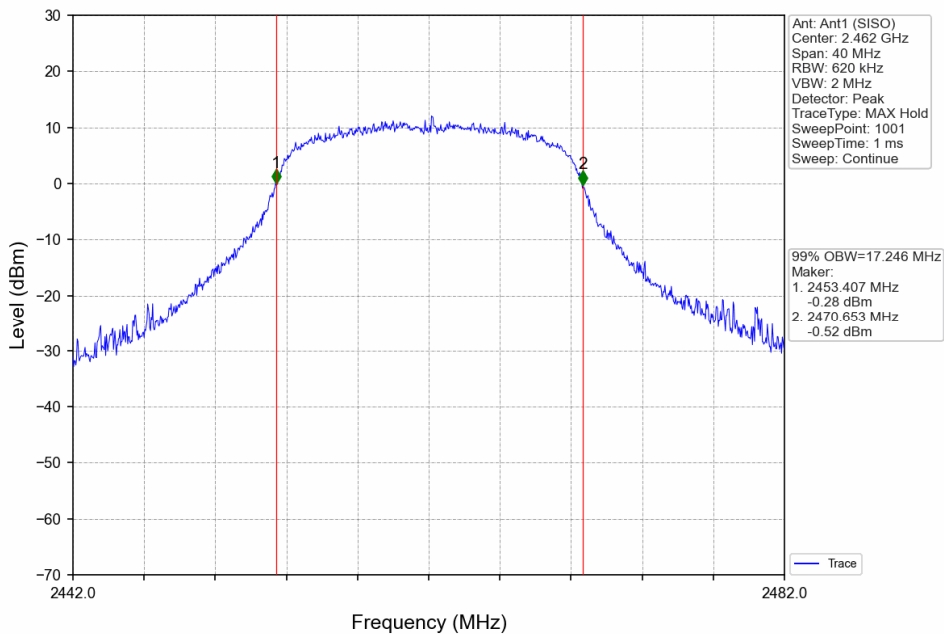


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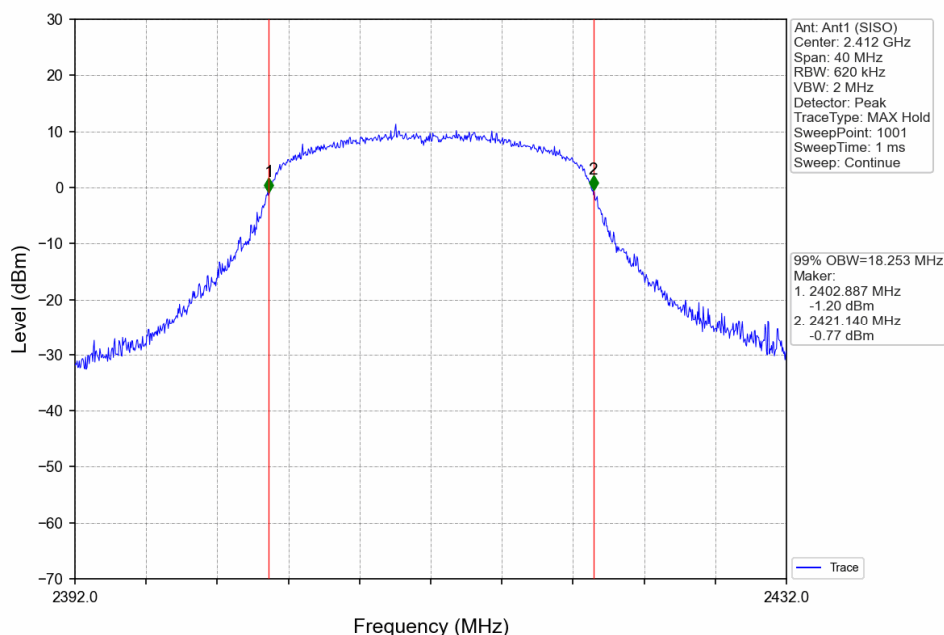
### 802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



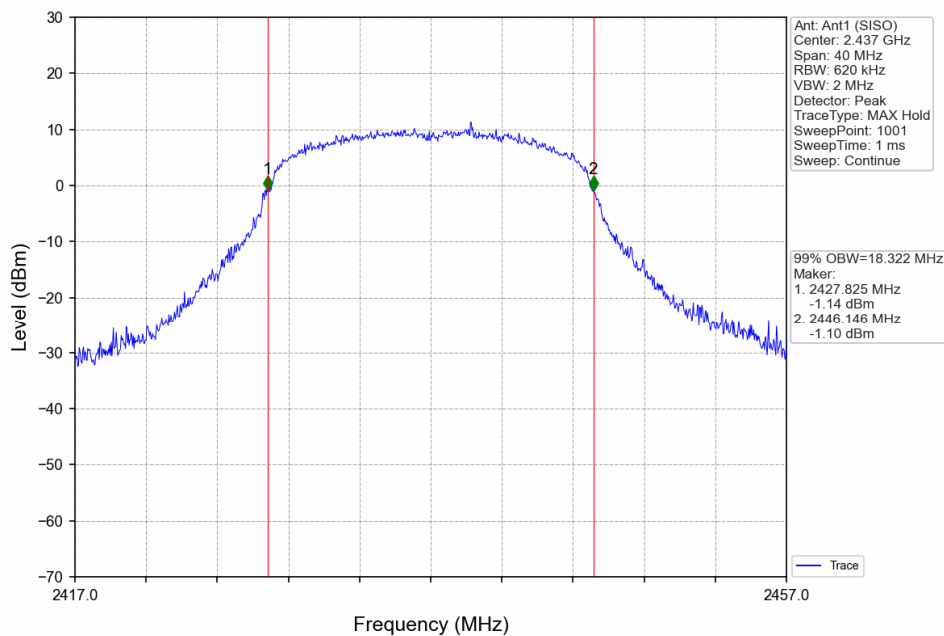
### 802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



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

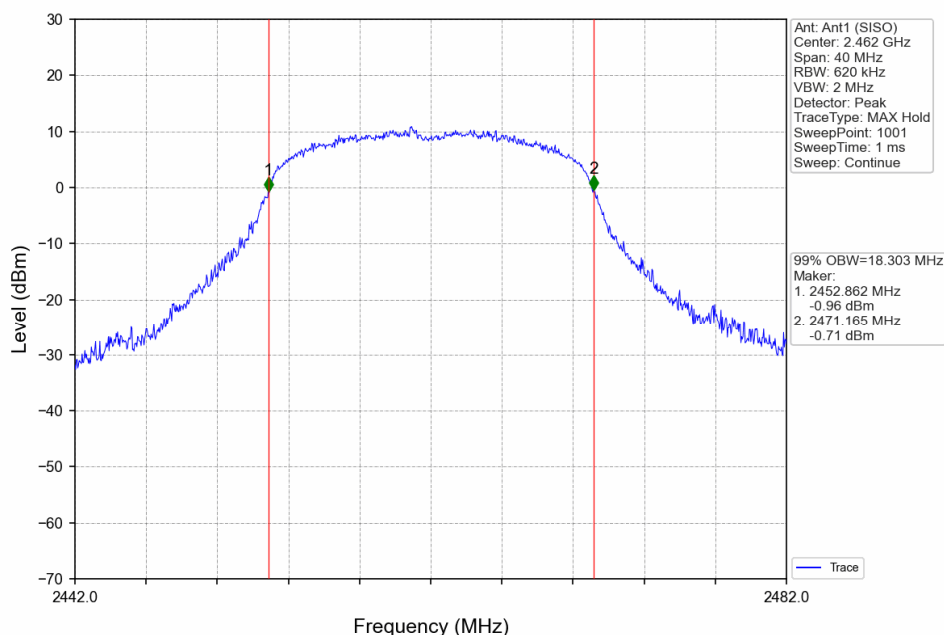


802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV





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

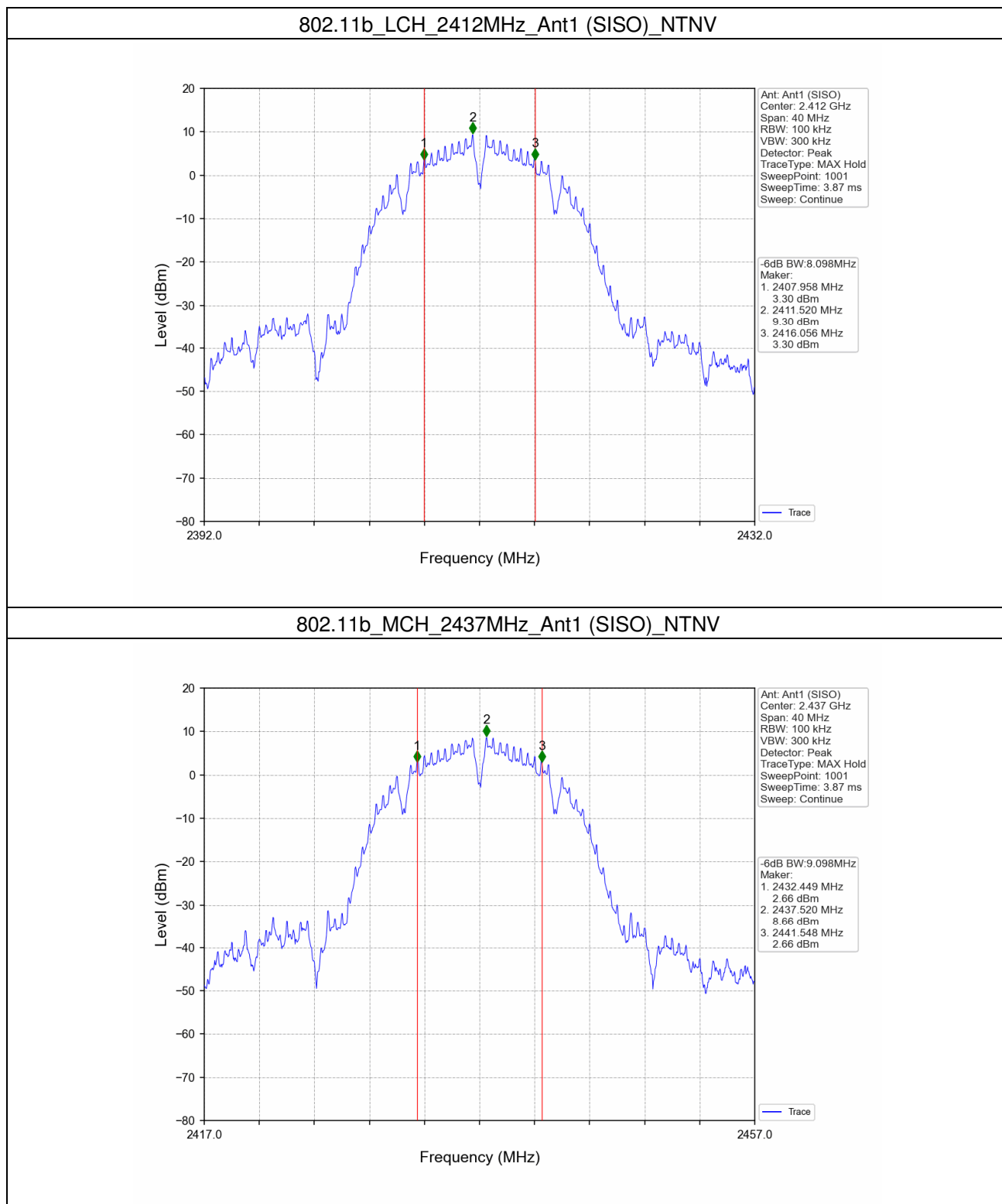


## 2.2 6dB BW

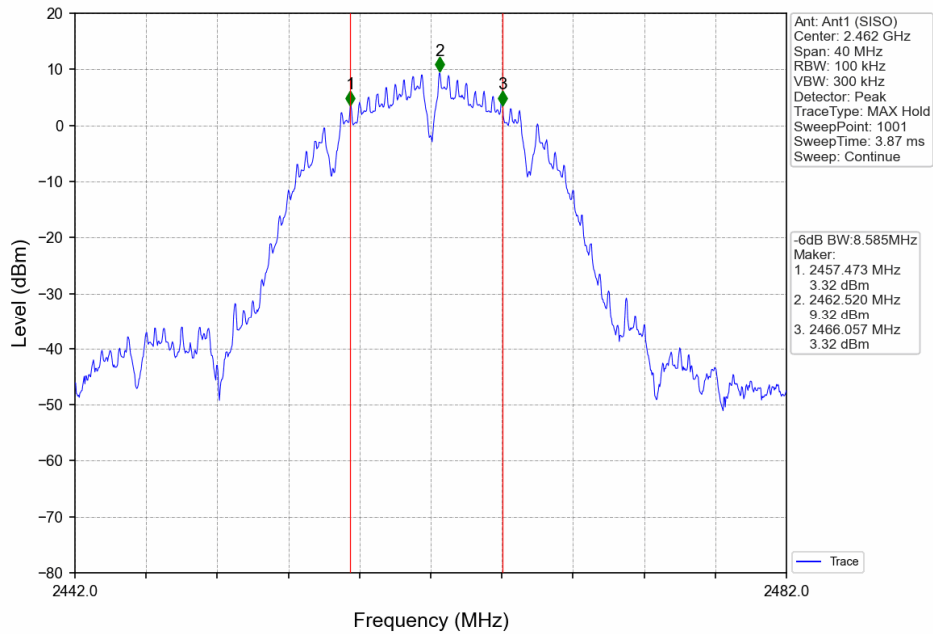
## 2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	8.098	$\geq 0.5$	Pass
		2437	1	9.098	$\geq 0.5$	Pass
		2462	1	8.585	$\geq 0.5$	Pass
802.11g	SISO	2412	1	15.152	$\geq 0.5$	Pass
		2437	1	15.153	$\geq 0.5$	Pass
		2462	1	15.154	$\geq 0.5$	Pass
802.11n (HT20)	SISO	2412	1	15.151	$\geq 0.5$	Pass
		2437	1	15.158	$\geq 0.5$	Pass
		2462	1	15.164	$\geq 0.5$	Pass

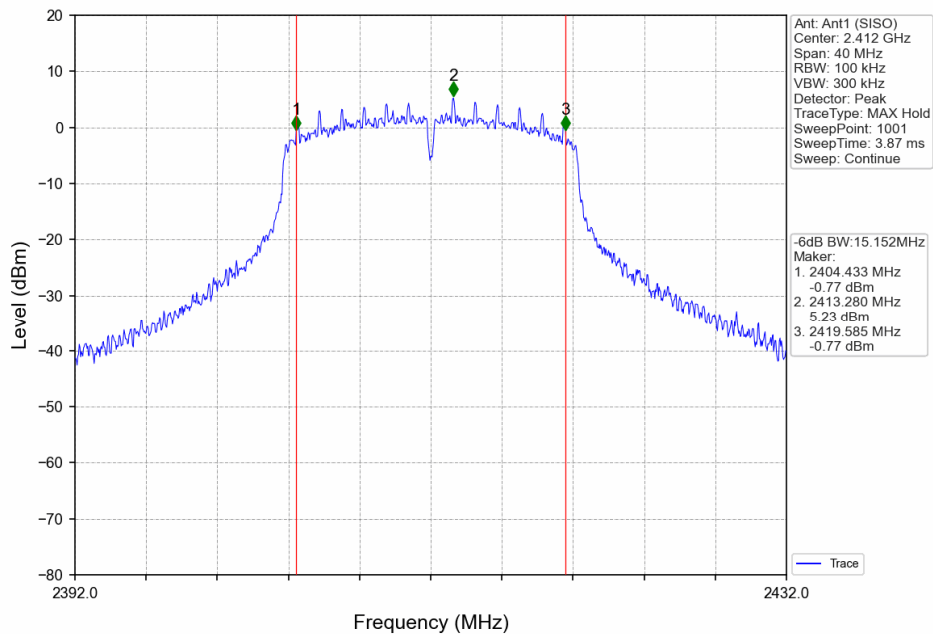
## 2.2.2 Test Graph



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



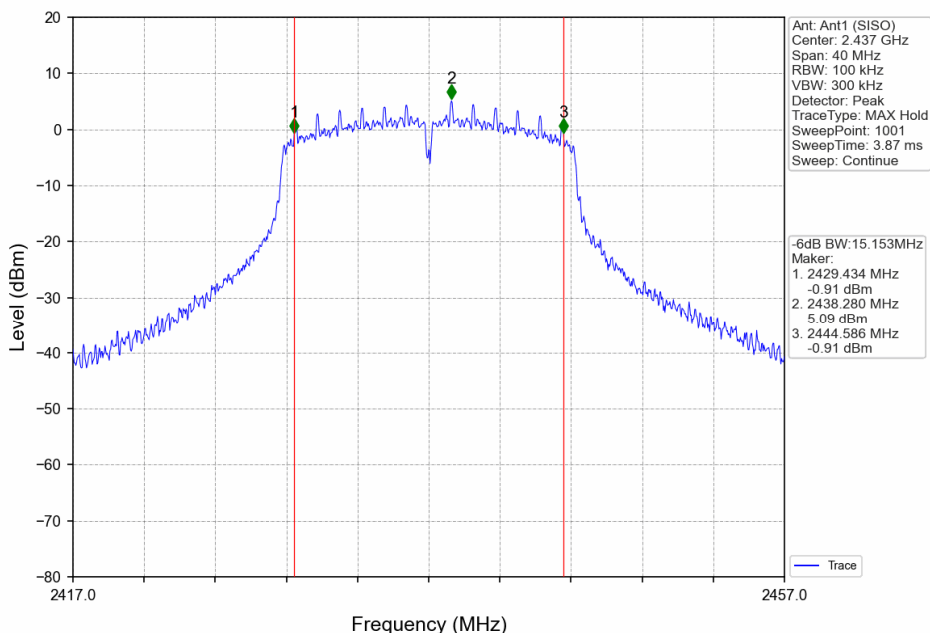
### 802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



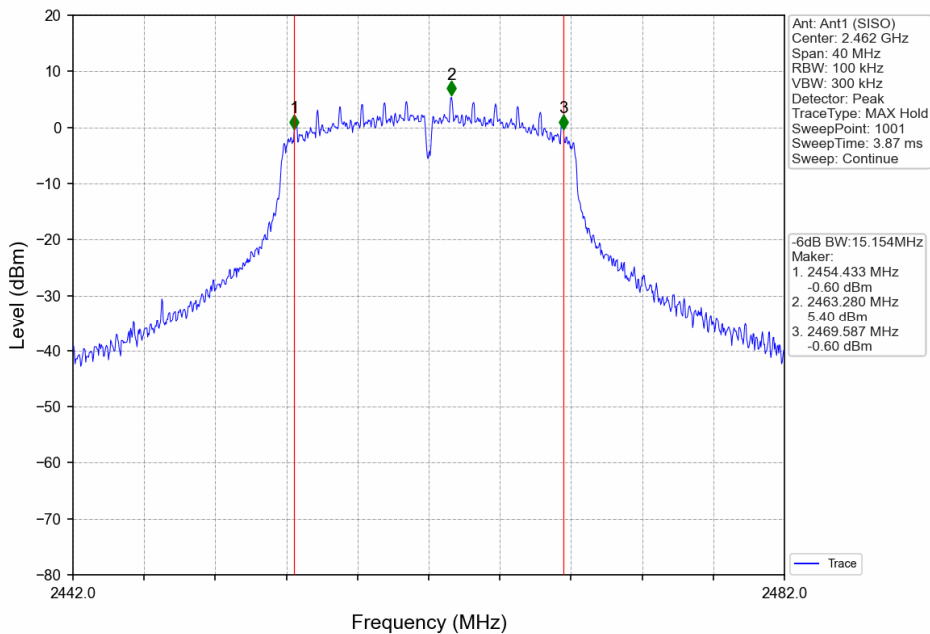
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### 802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV

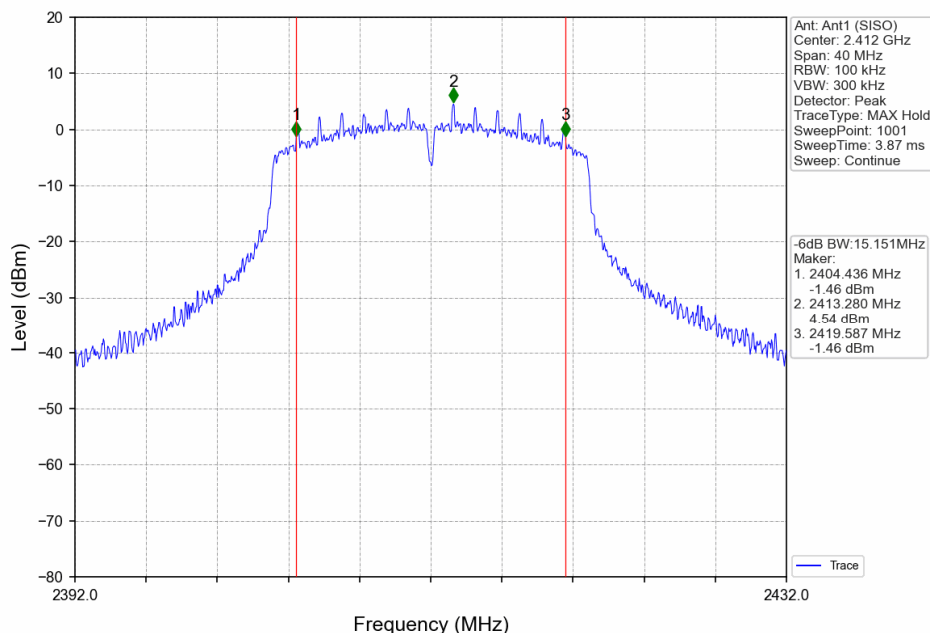


### 802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

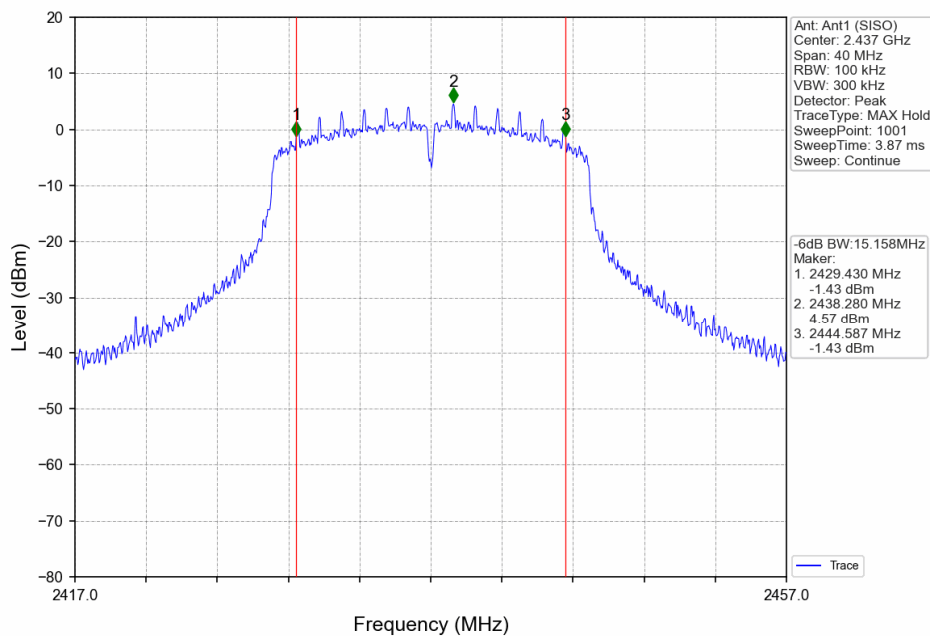




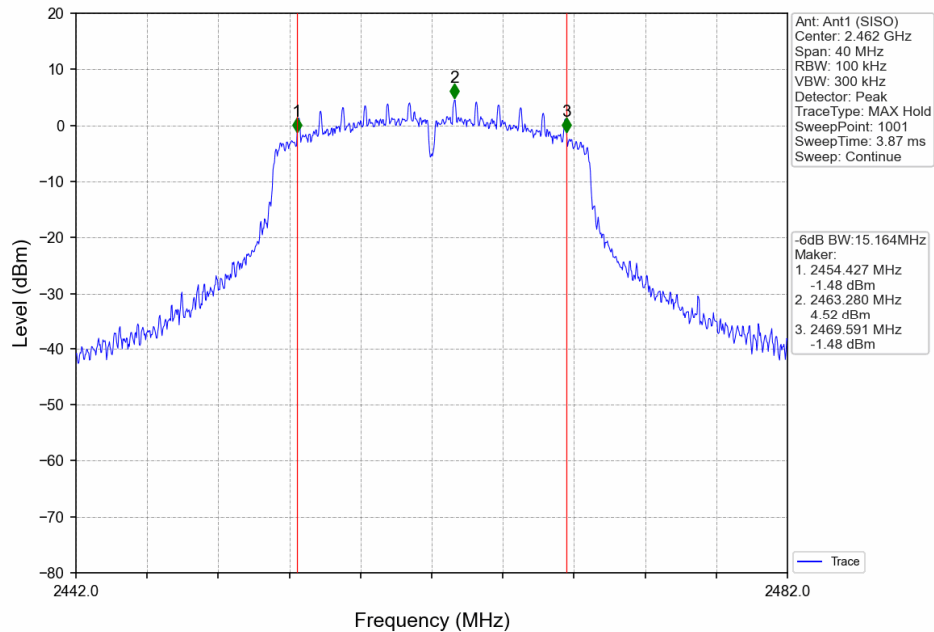
802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



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



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



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### 3. Maximum Conducted Output Power

#### 3.1 Power

##### 3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Conducted Output Power (dBm)		Verdict
			Ant1	Limit	
802.11b	SISO	2412	16.82	<=30	Pass
		2437	16.81	<=30	Pass
		2462	17.00	<=30	Pass
802.11g	SISO	2412	15.13	<=30	Pass
		2437	15.11	<=30	Pass
		2462	15.36	<=30	Pass
802.11n (HT20)	SISO	2412	14.48	<=30	Pass
		2437	14.59	<=30	Pass
		2462	14.75	<=30	Pass



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## 4. Maximum Power Spectral Density

## 4.1 PSD

## 4.1.1 Test Result

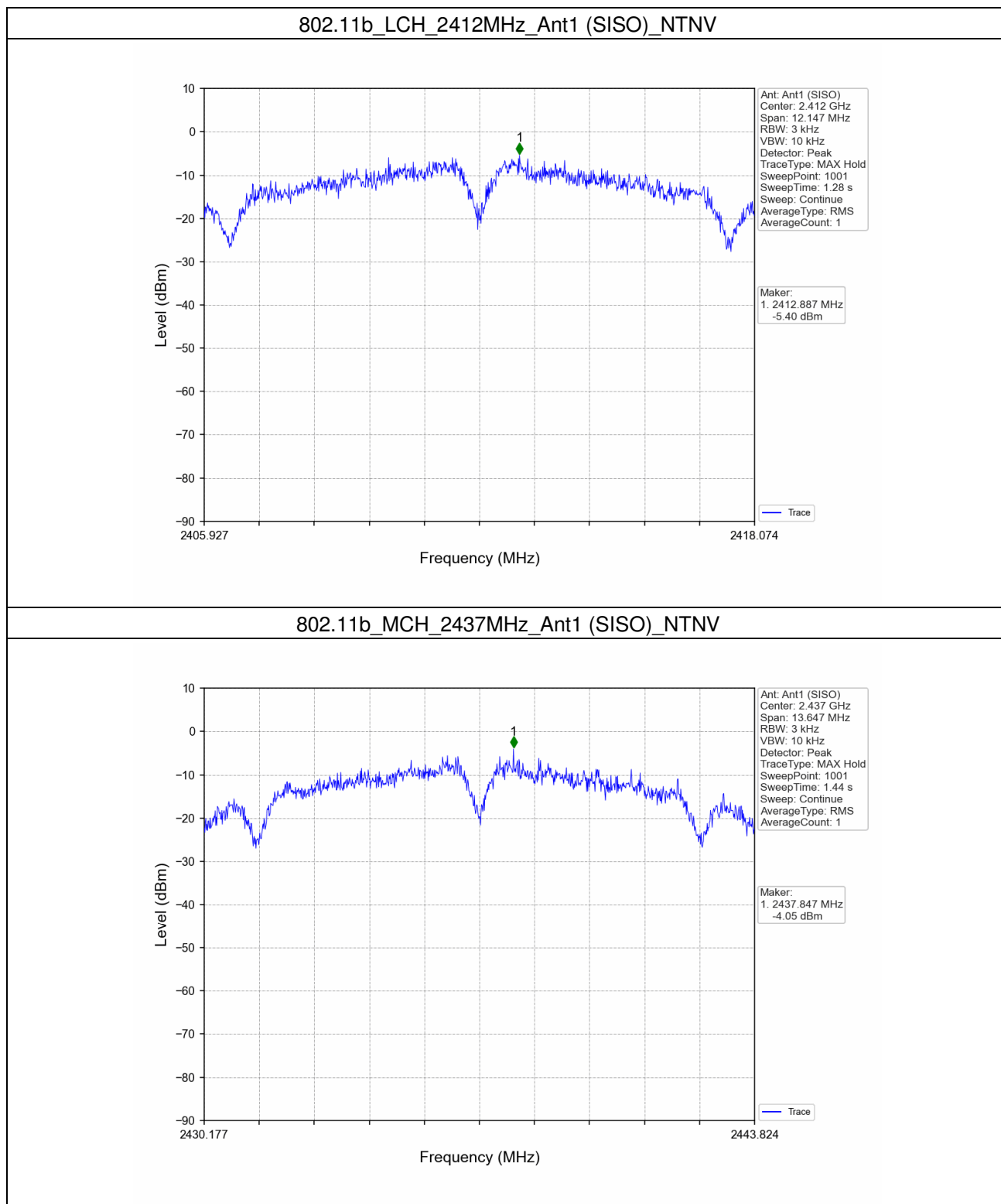
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			Ant1	Limit	
802.11b	SISO	2412	-5.40	<=8	Pass
		2437	-4.05	<=8	Pass
		2462	-3.62	<=8	Pass
802.11g	SISO	2412	-9.30	<=8	Pass
		2437	-9.69	<=8	Pass
		2462	-9.10	<=8	Pass
802.11n (HT20)	SISO	2412	-9.25	<=8	Pass
		2437	-9.53	<=8	Pass
		2462	-9.79	<=8	Pass



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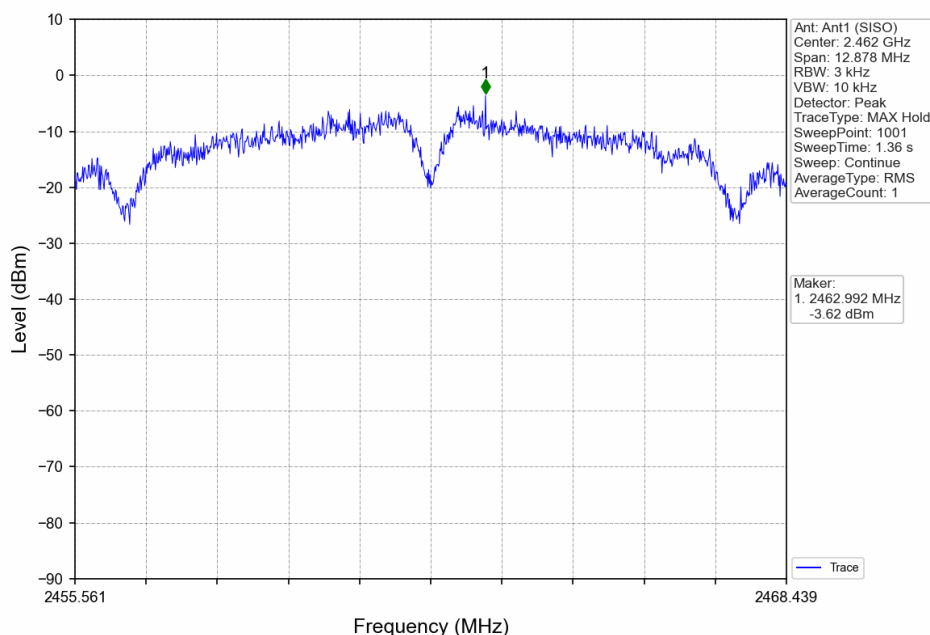
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## 4.1.2 Test Graph

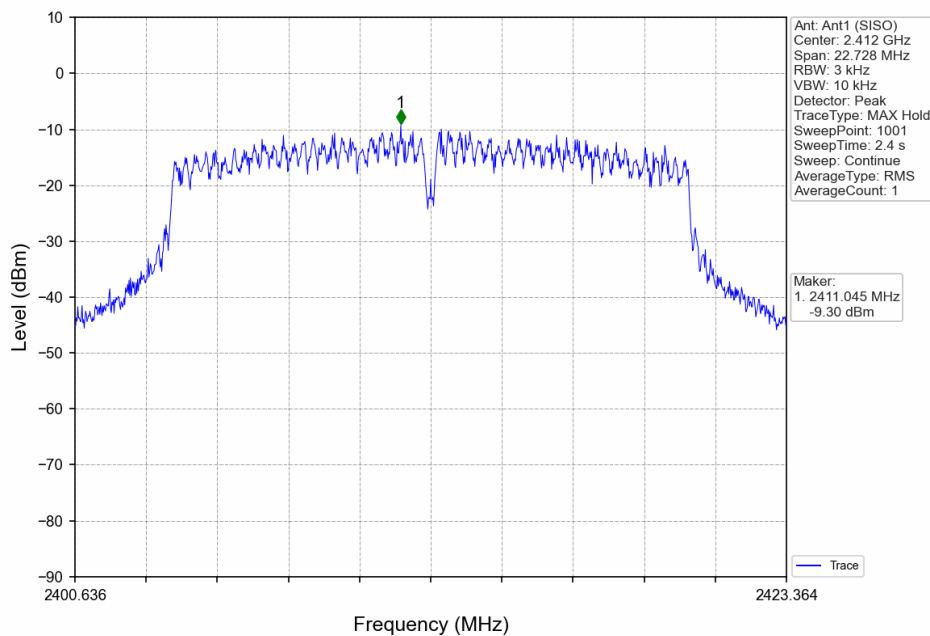




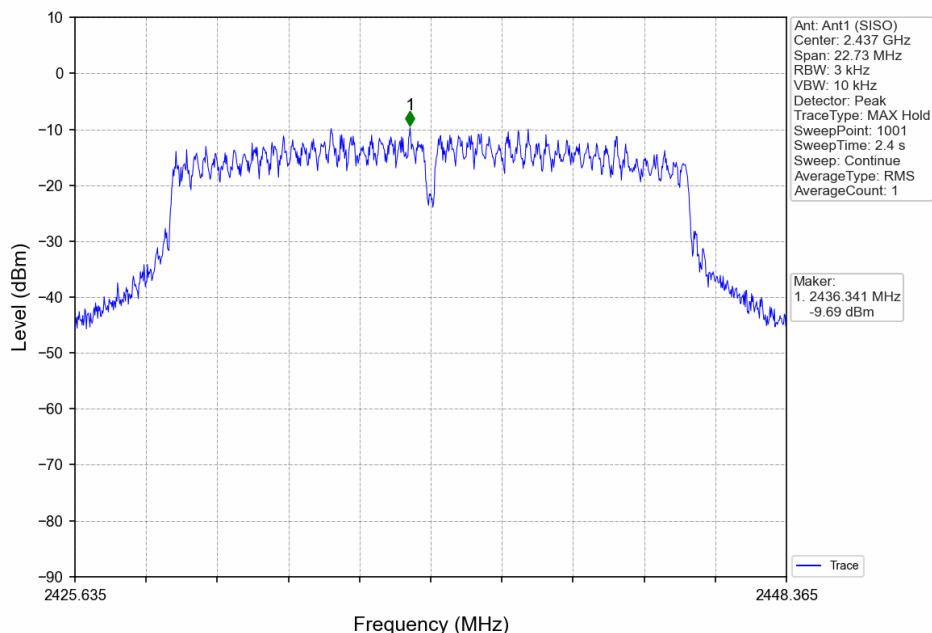
802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



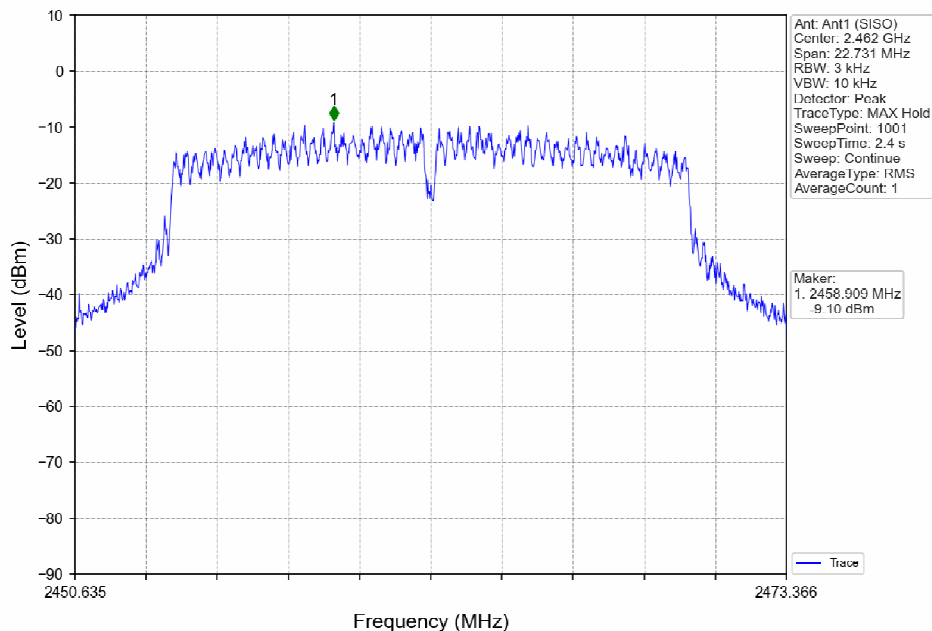
802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



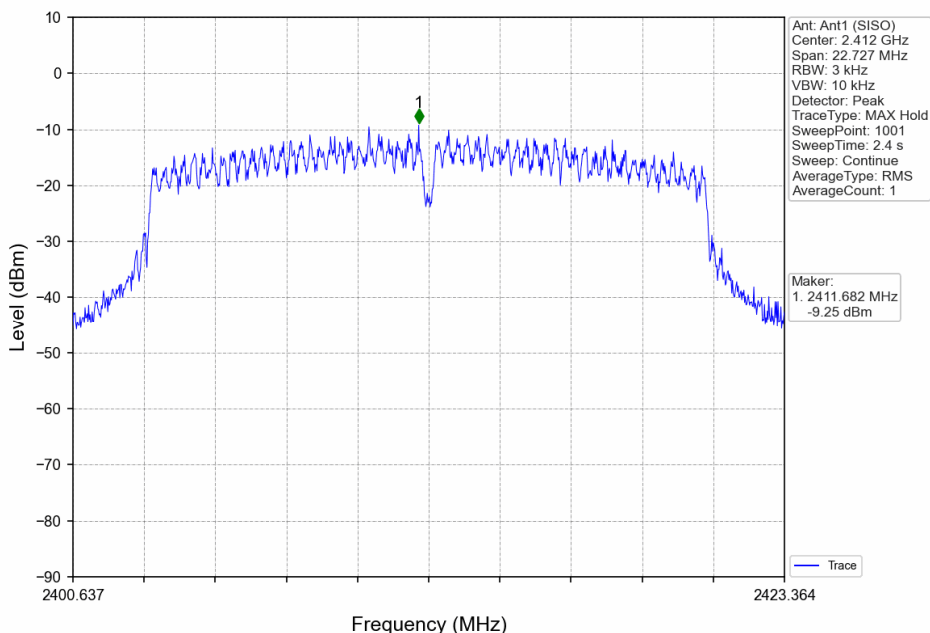
802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



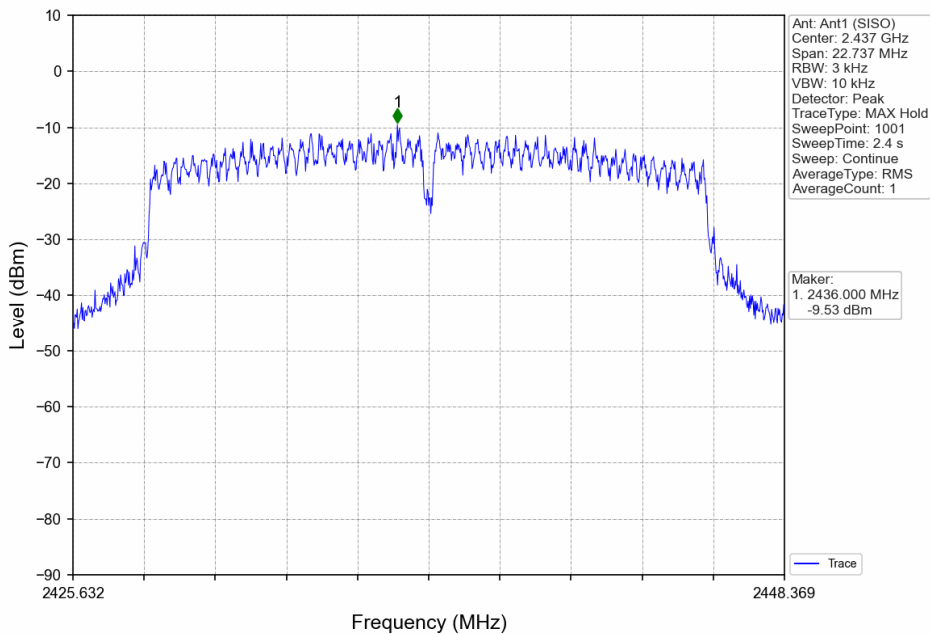
802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



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

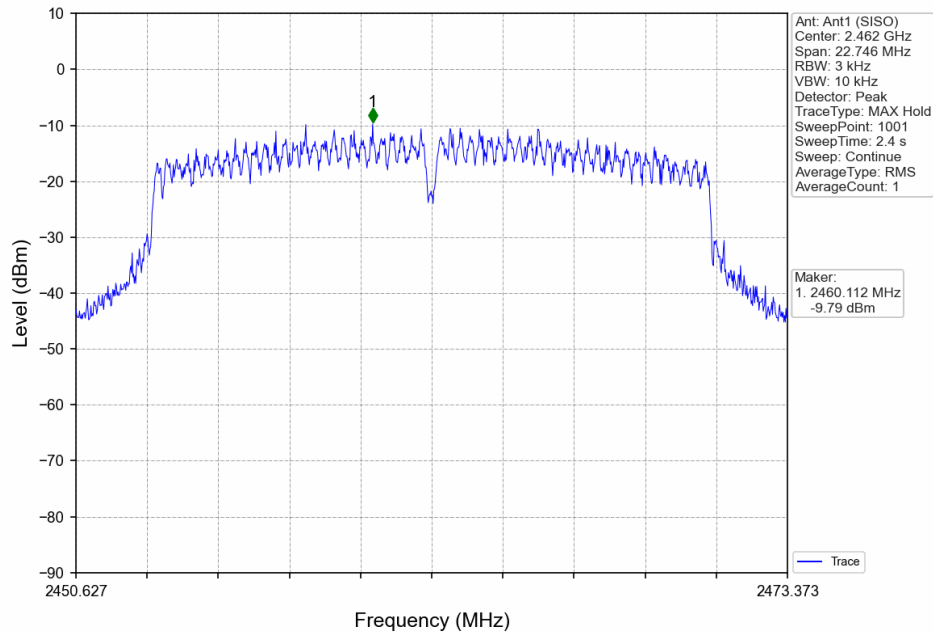


802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



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



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

## 5.1 Ref

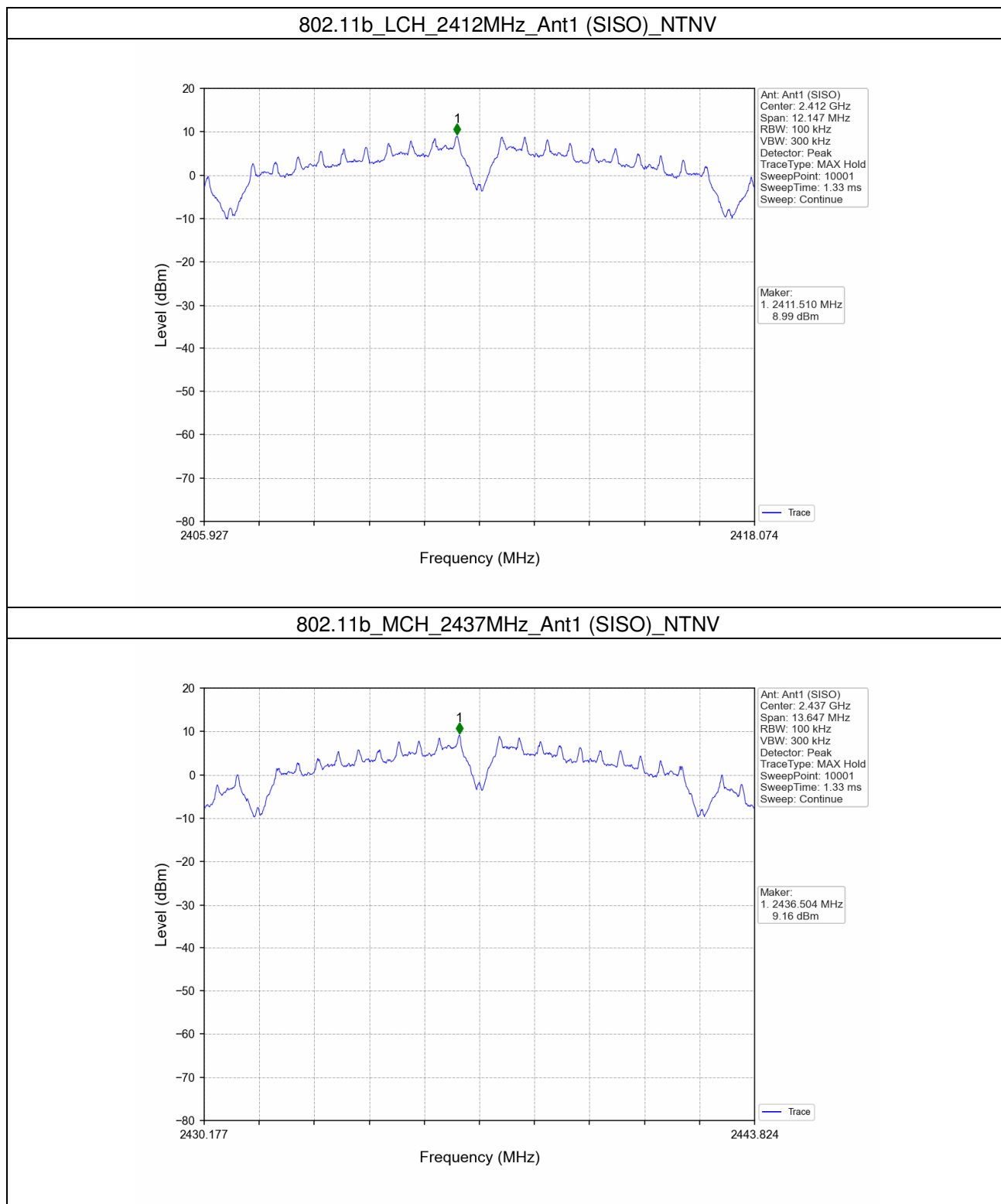
## 5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)
802.11b	SISO	2412	1	8.99
		2437	1	9.16
		2462	1	9.02
802.11g	SISO	2412	1	4.52
		2437	1	4.71
		2462	1	5.15
802.11n (HT20)	SISO	2412	1	4.52
		2437	1	4.25
		2462	1	4.53

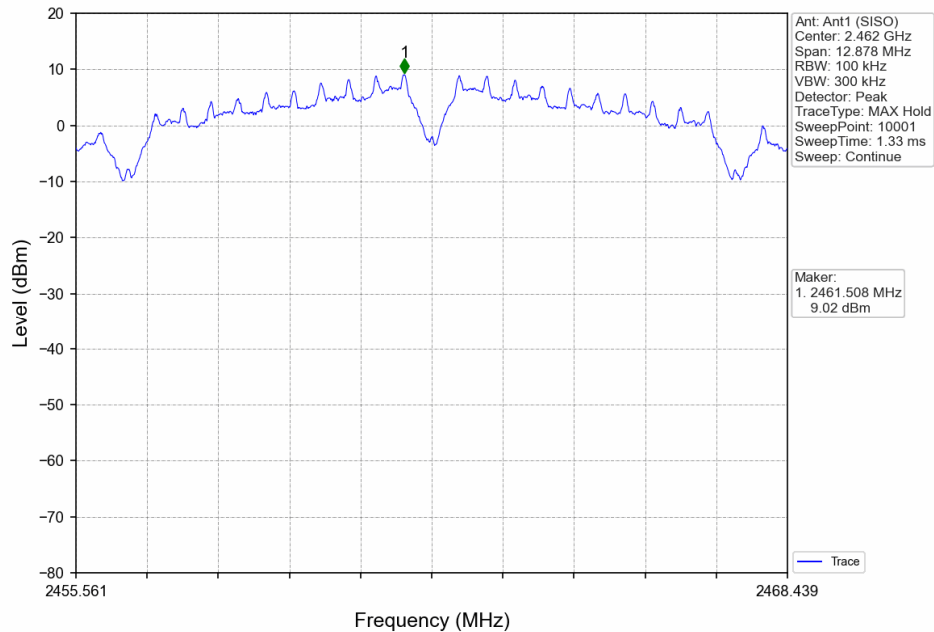
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.



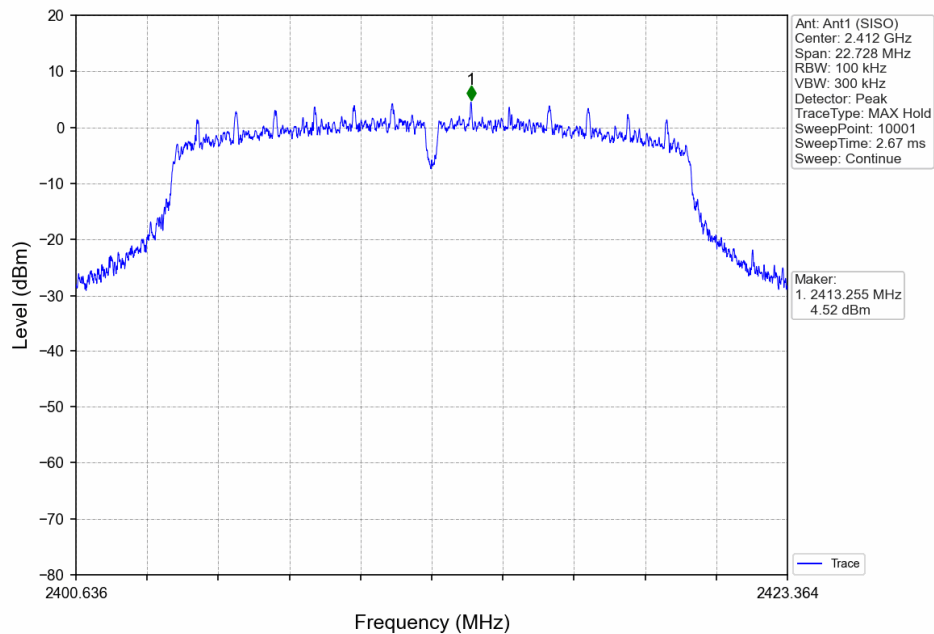
## 5.1.2 Test Graph



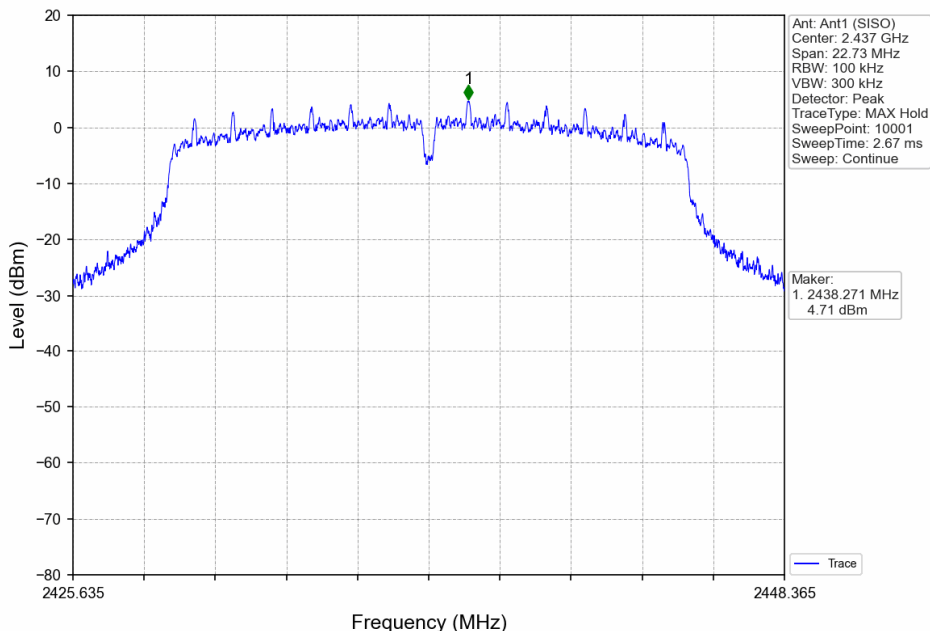
### 802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



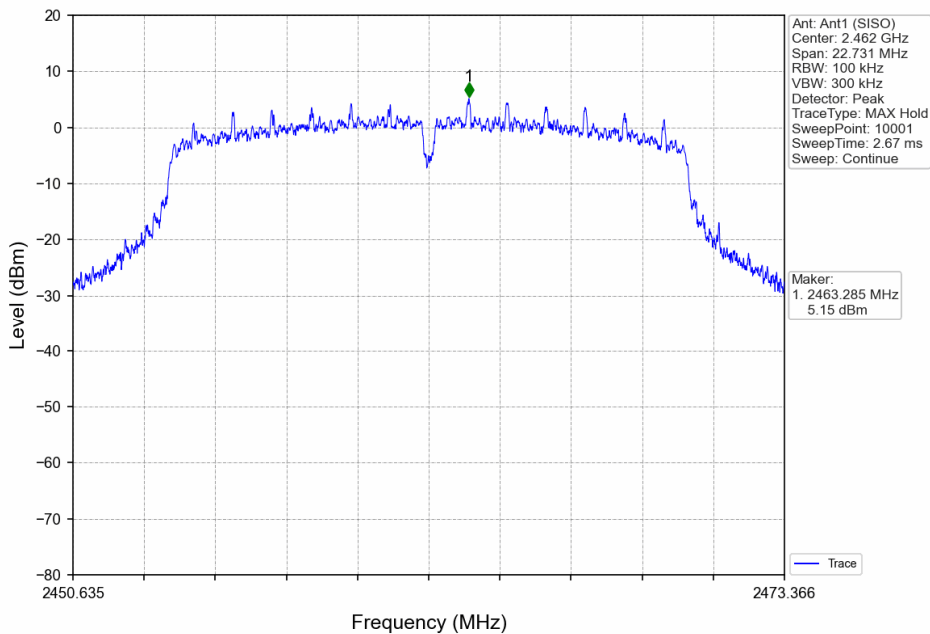
### 802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



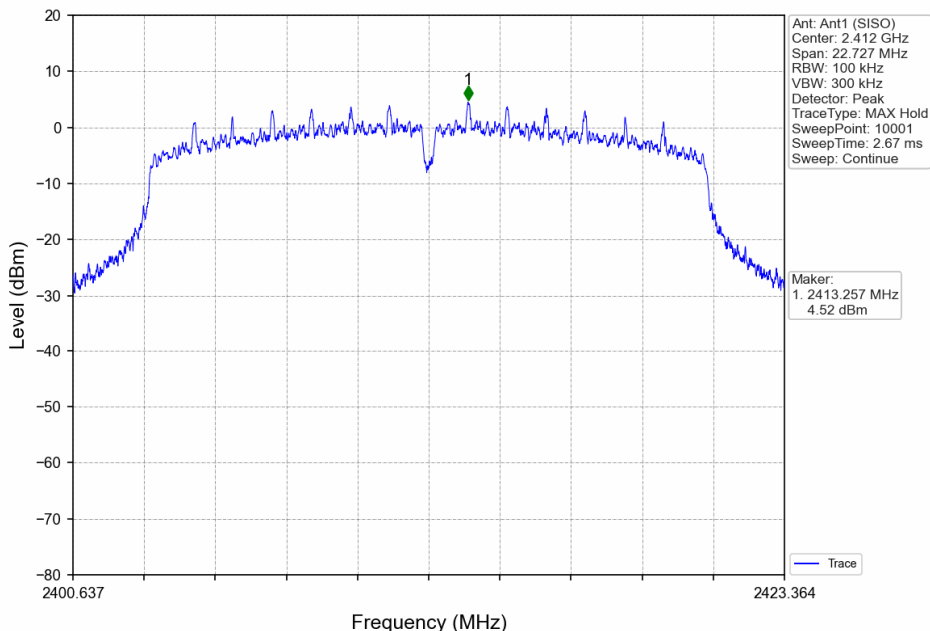
802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



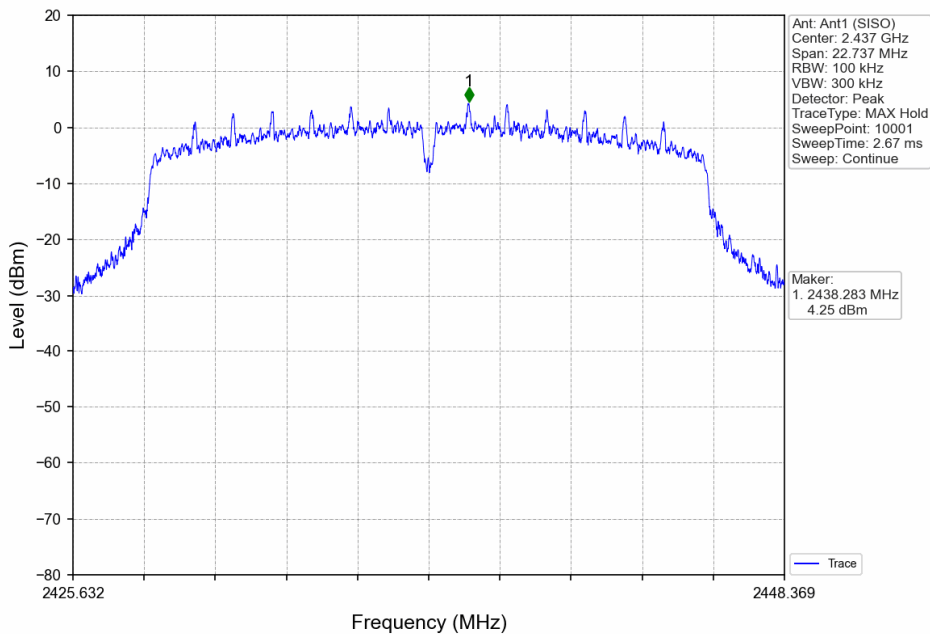
802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



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



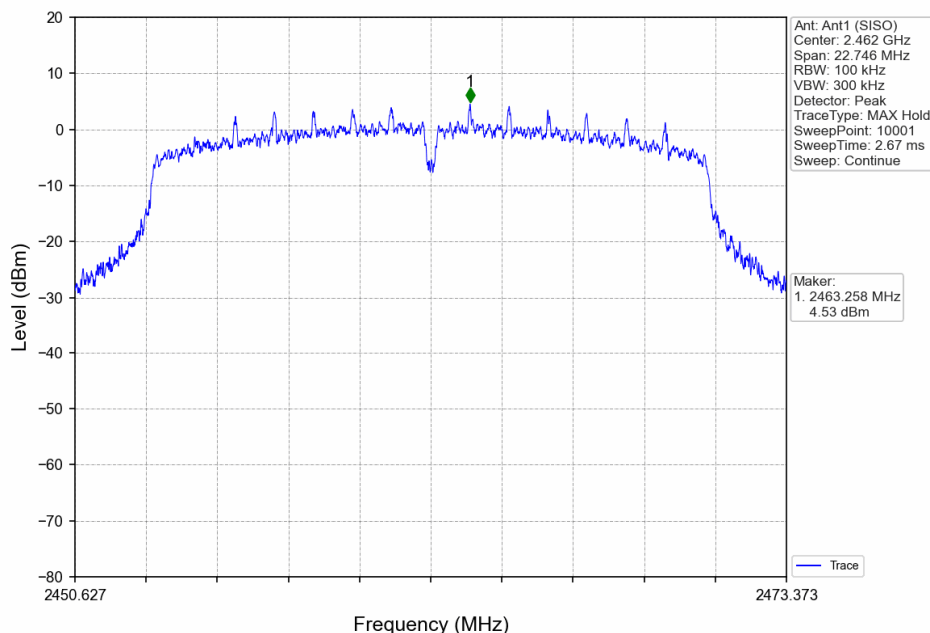
802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



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





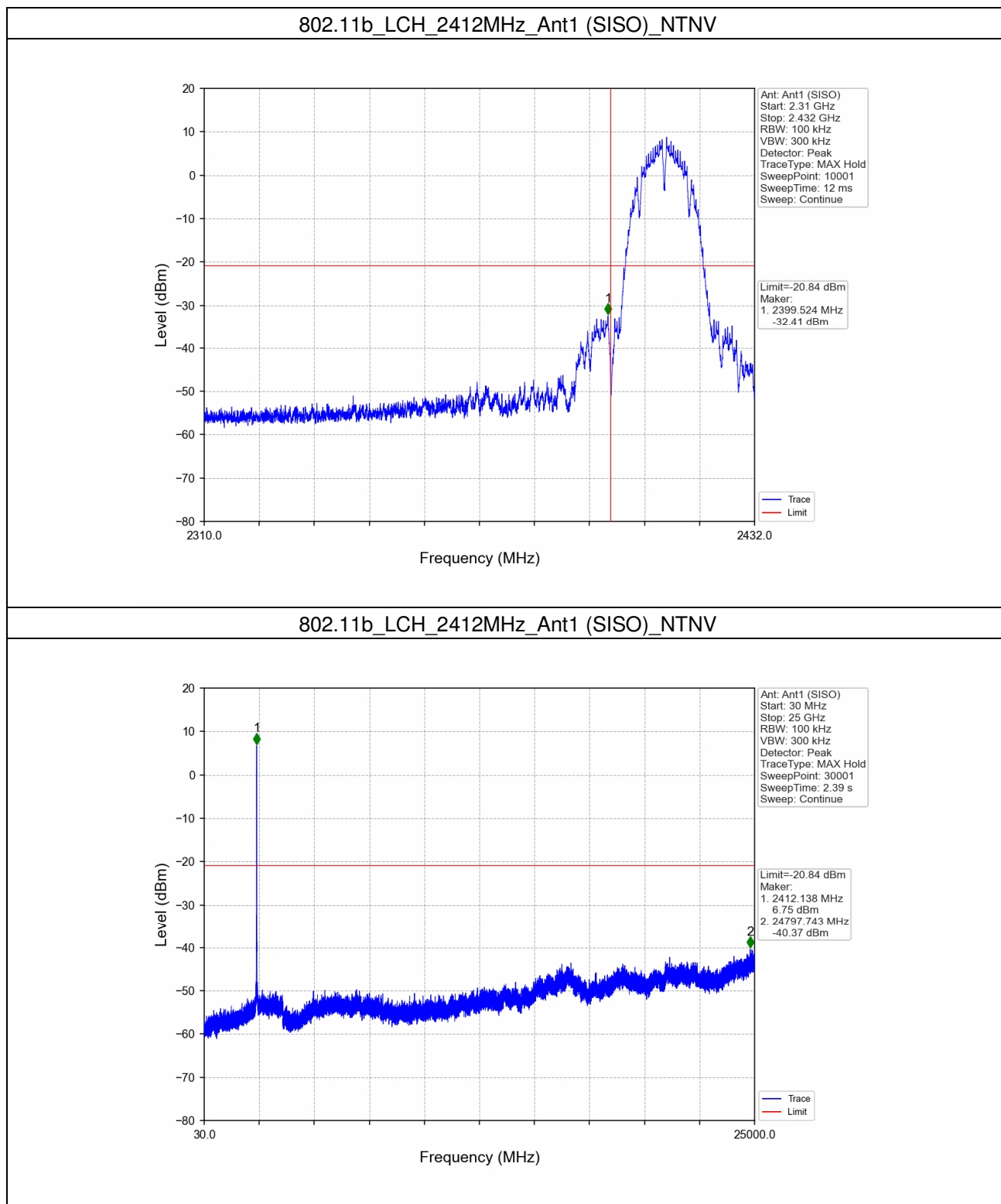
## 5.2 CSE

## 5.2.1 Test Result

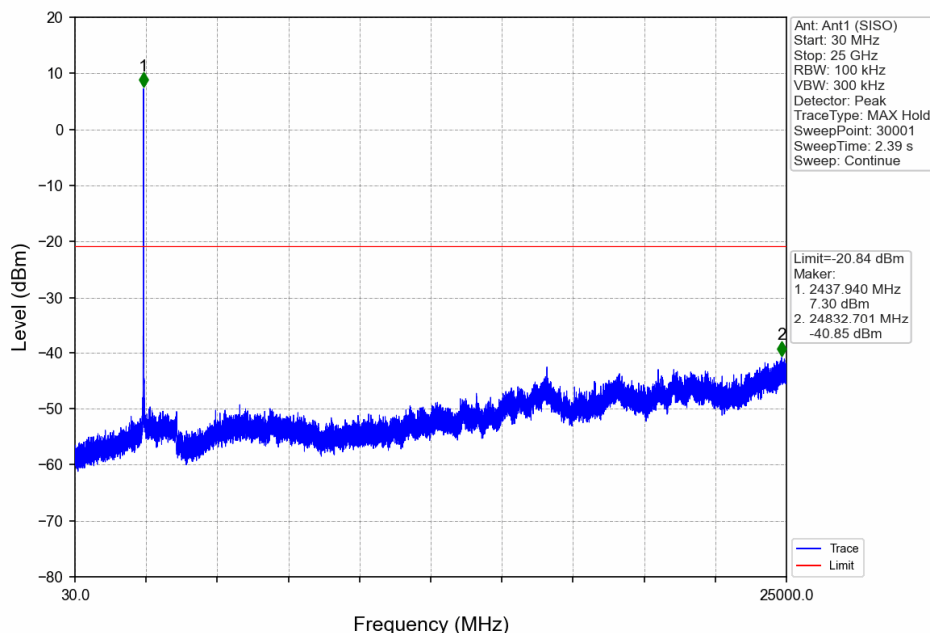
Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	9.16	-20.84	Pass
		2437	1	9.16	-20.84	Pass
		2462	1	9.16	-20.84	Pass
802.11g	SISO	2412	1	5.15	-24.85	Pass
		2437	1	5.15	-24.85	Pass
		2462	1	5.15	-24.85	Pass
802.11n (HT20)	SISO	2412	1	4.53	-25.47	Pass
		2437	1	4.53	-25.47	Pass
		2462	1	4.53	-25.47	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.

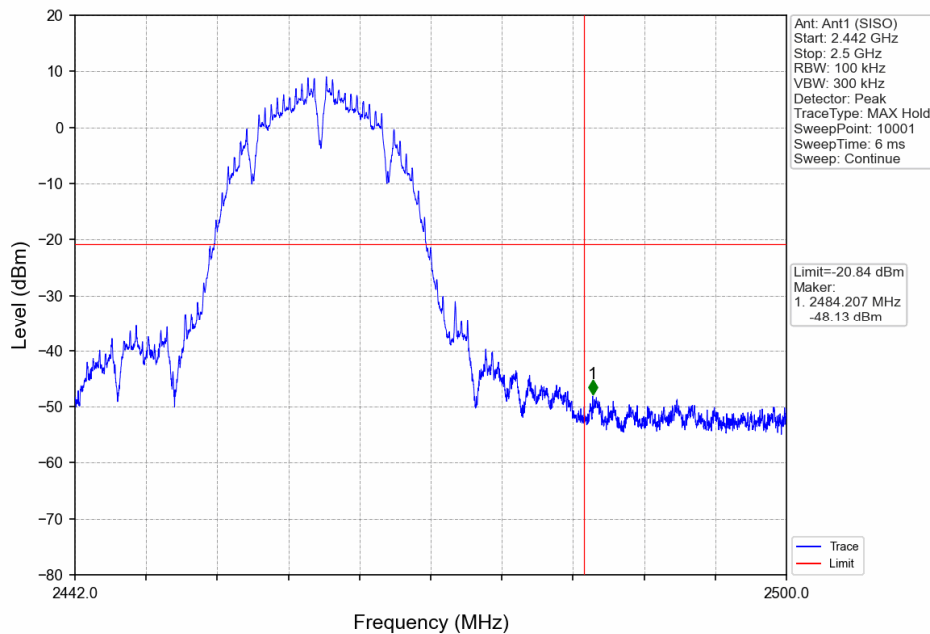
## 5.2.2 Test Graph



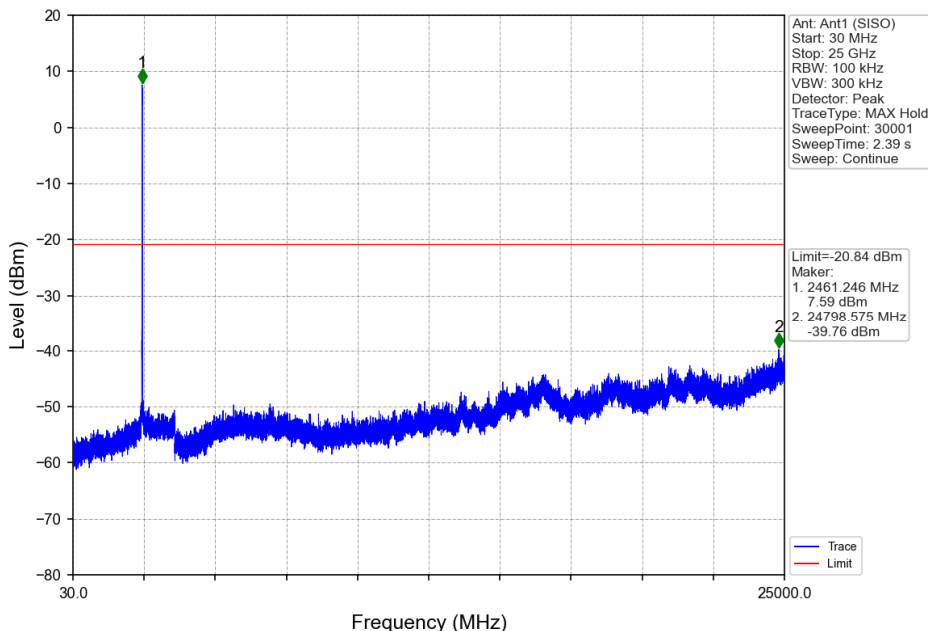
### 802.11b\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



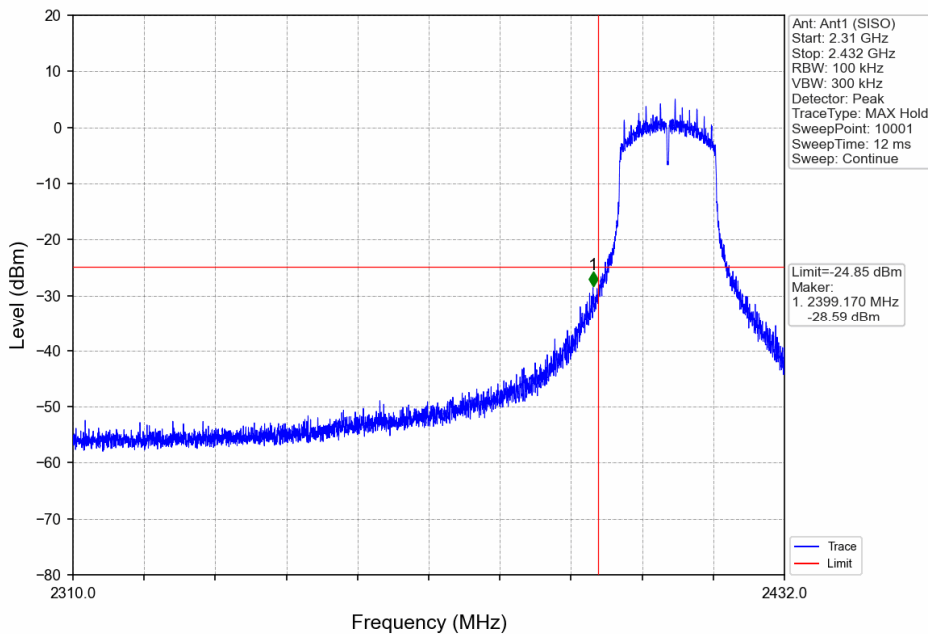
### 802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



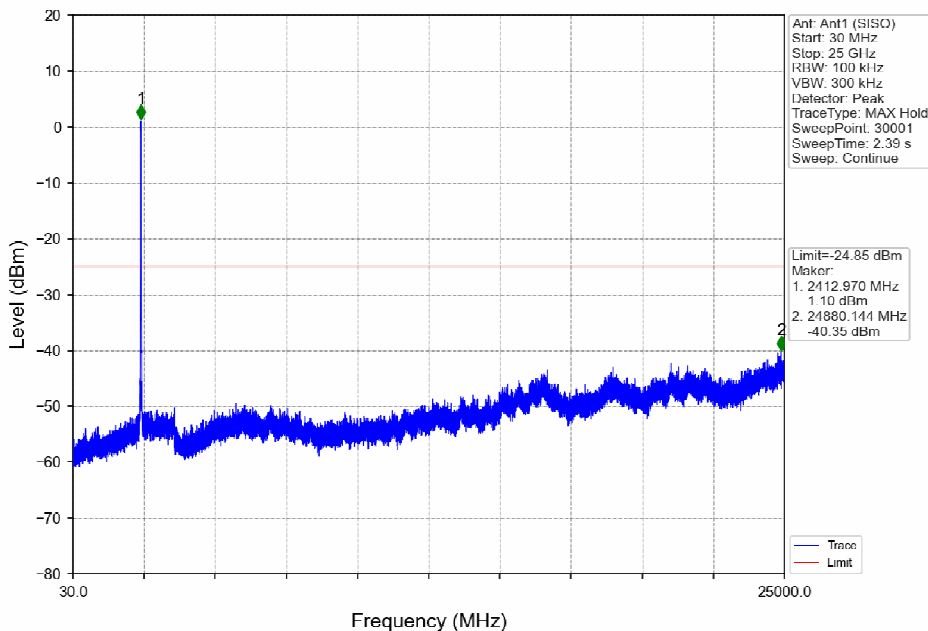
### 802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



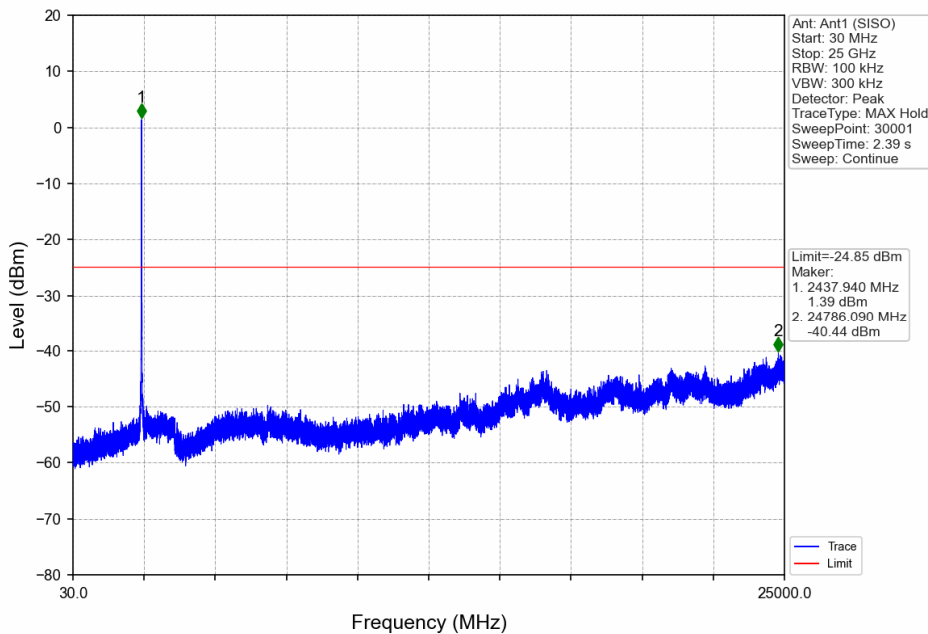
### 802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



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

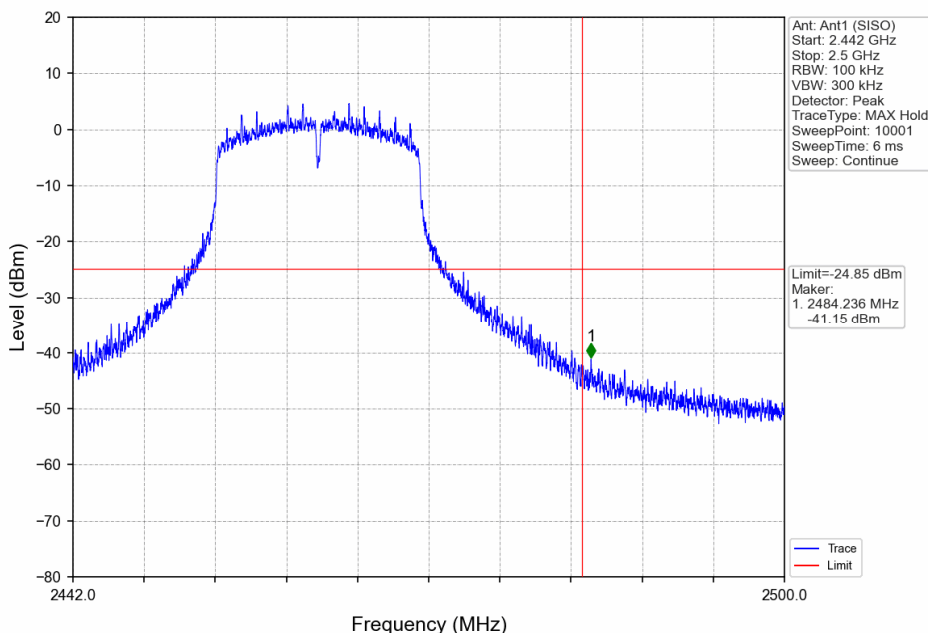


### 802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV

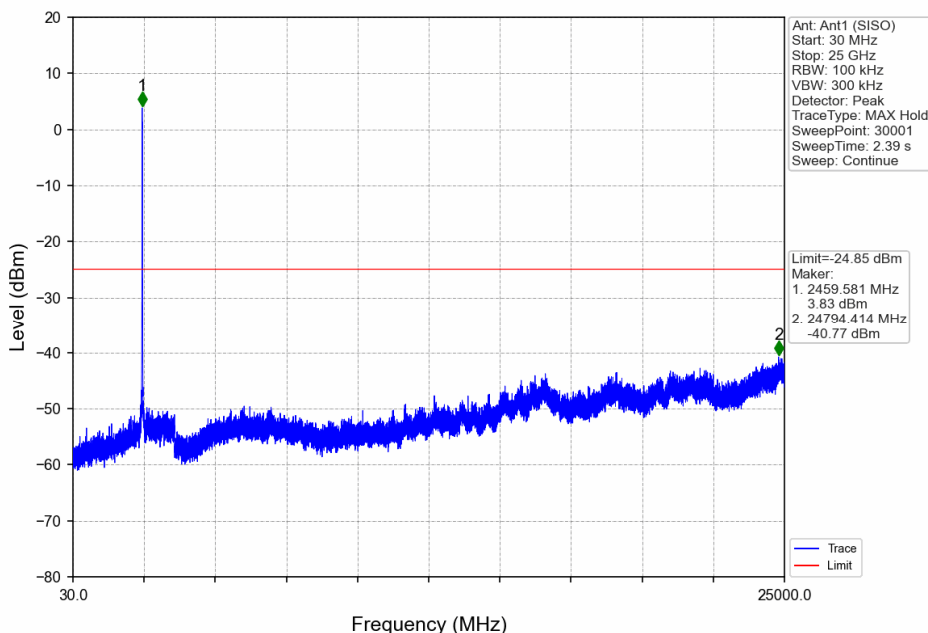




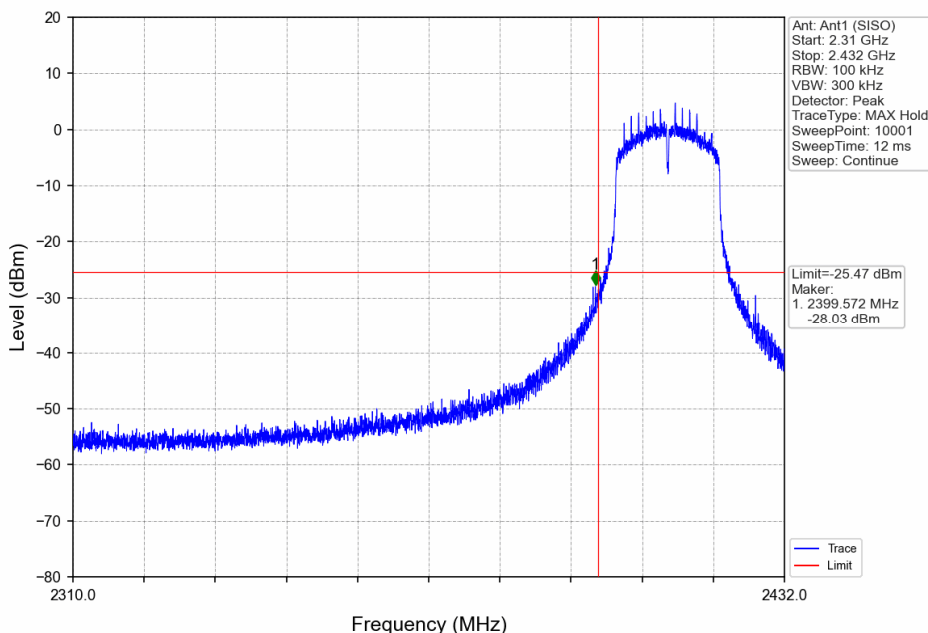
802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



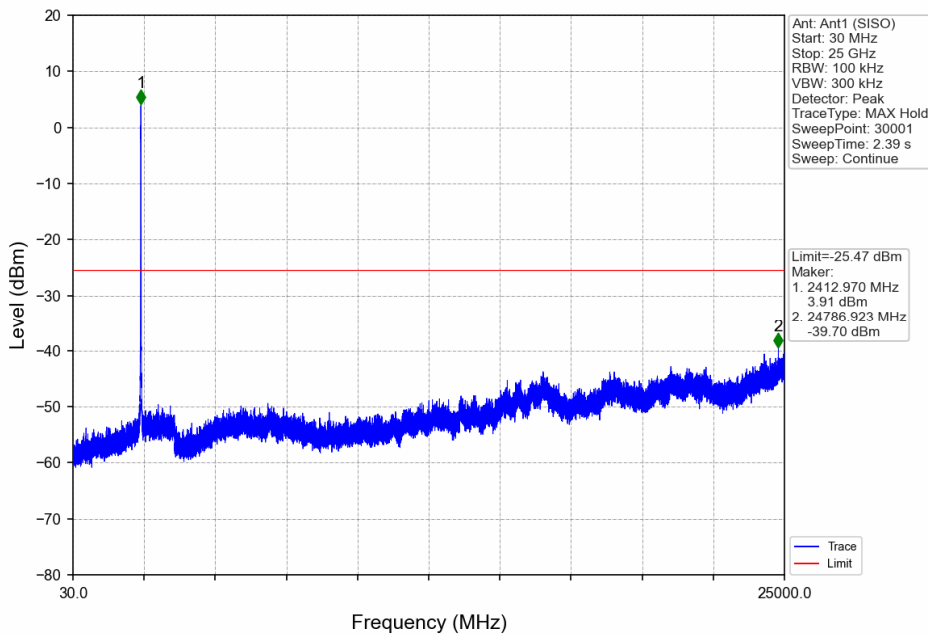
802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



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

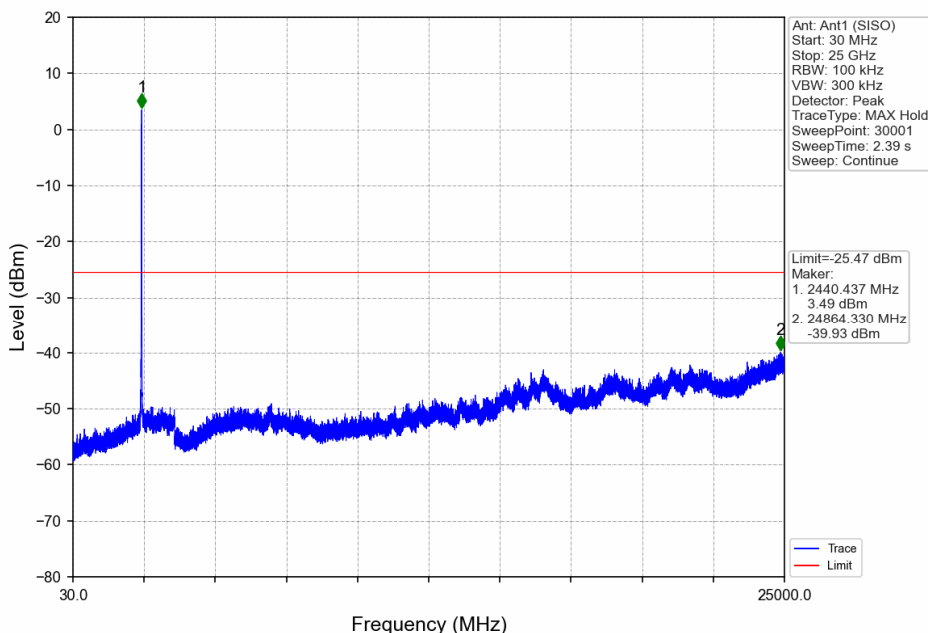


802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV

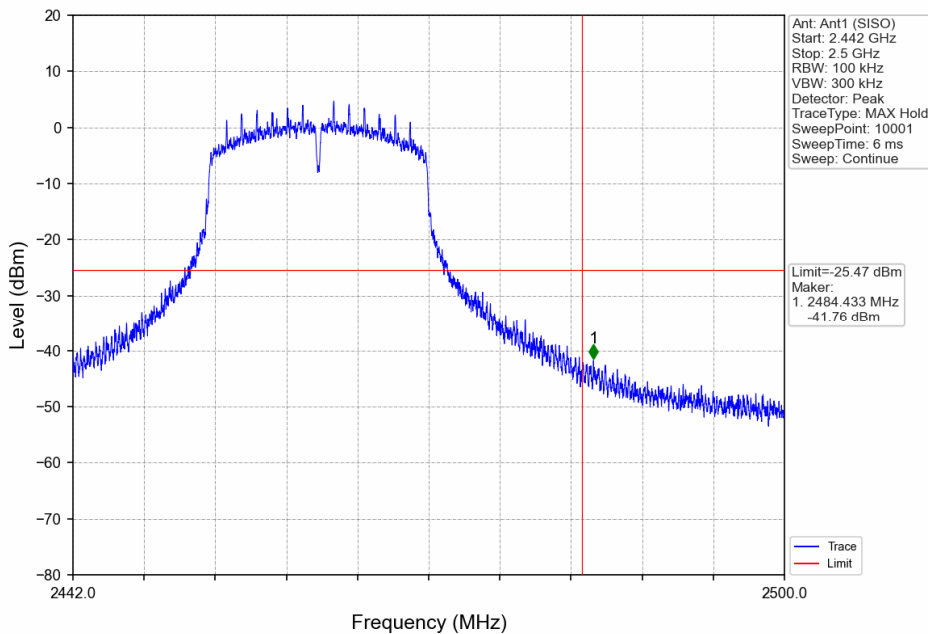


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802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV

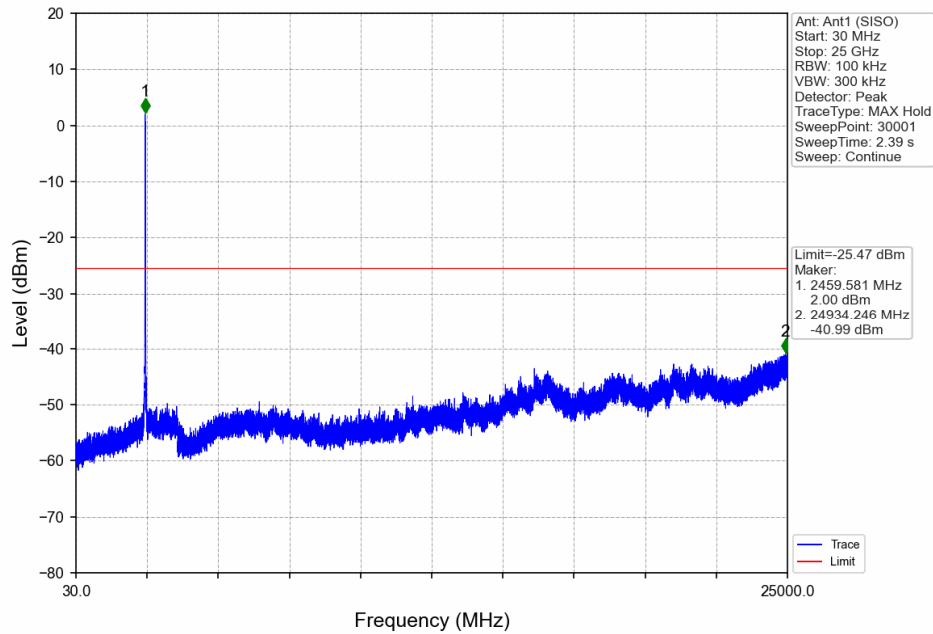


802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



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



- End of the Report -