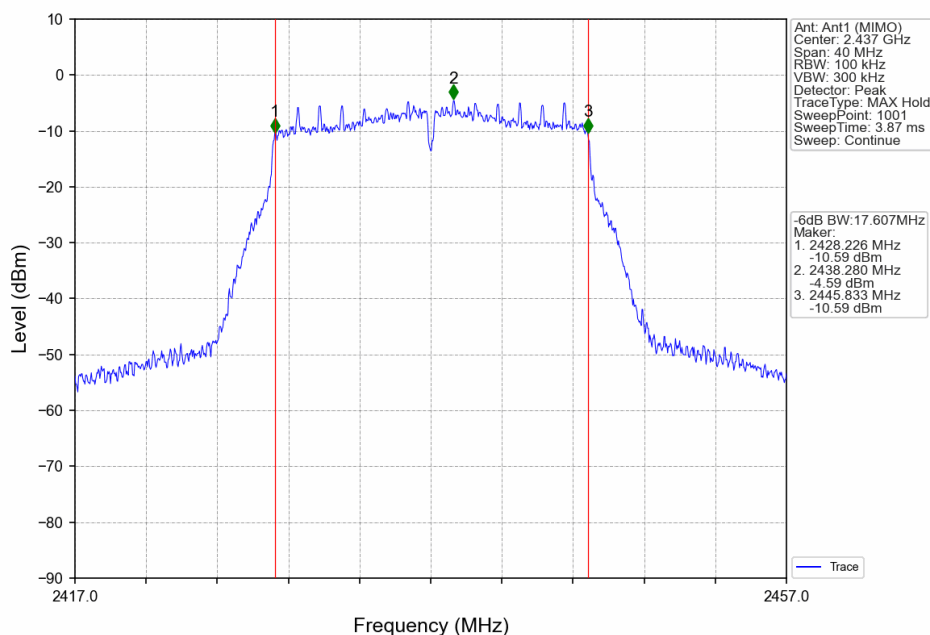
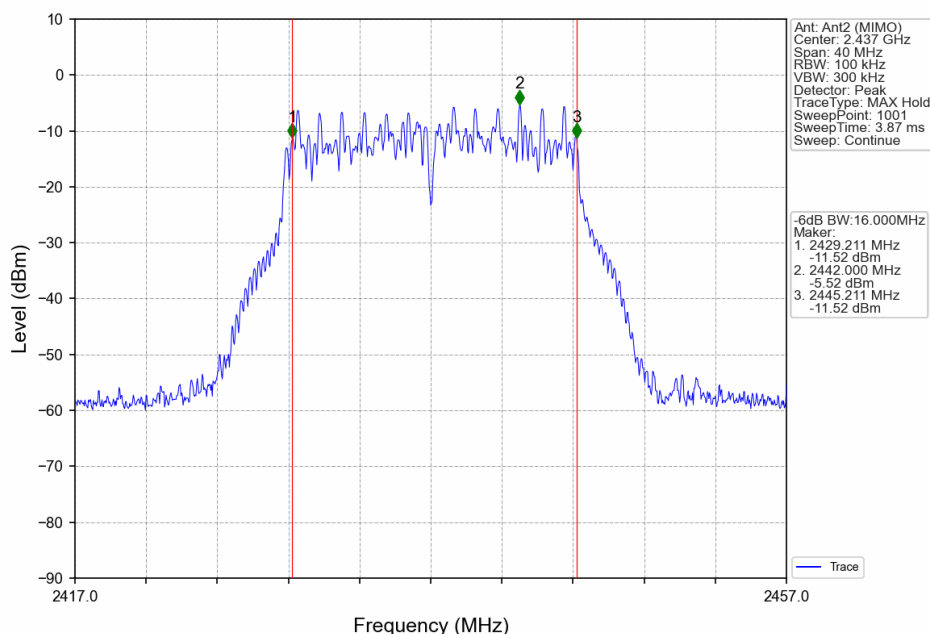


### 802.11n(HT20)\_MCH\_2437MHz\_Ant1 (MIMO)\_NTNV



### 802.11n(HT20)\_MCH\_2437MHz\_Ant2 (MIMO)\_NTNV

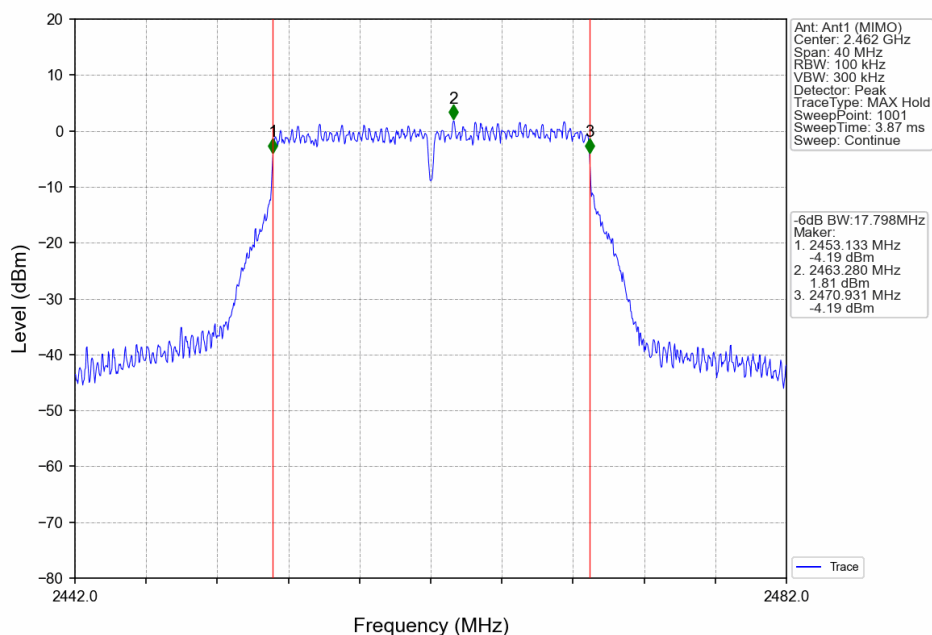


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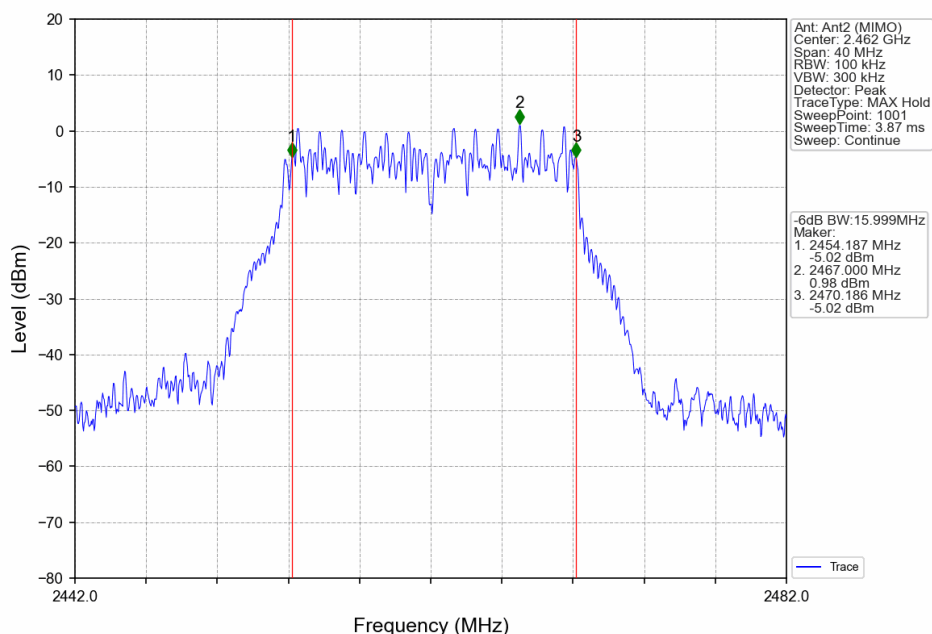
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### 802.11n(HT20)\_HCH\_2462MHz\_Ant1 (MIMO)\_NTNV



### 802.11n(HT20)\_HCH\_2462MHz\_Ant2 (MIMO)\_NTNV



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## 3. Maximum Conducted Output Power

### 3.1 Power

#### 3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11b	SISO	2412	17.35	16.89	/	<=30	Pass
		2437	17.82	16.48	/	<=30	Pass
		2462	20.20	16.59	/	<=30	Pass
802.11g	SISO	2412	16.49	16.50	/	<=30	Pass
		2437	16.40	16.09	/	<=30	Pass
		2462	16.43	16.10	/	<=30	Pass
802.11n (HT20)	MIMO	2412	15.11	12.23	16.91	<=30	Pass
		2437	14.91	11.68	16.60	<=30	Pass
		2462	21.83	18.39	23.45	<=30	Pass

Note1: Antenna Gain: Ant1: 1.65 dBi; Ant2: 1.72 dBi;  
Note2: Directional Gain: 4.70 dBi

## 4. Maximum Power Spectral Density

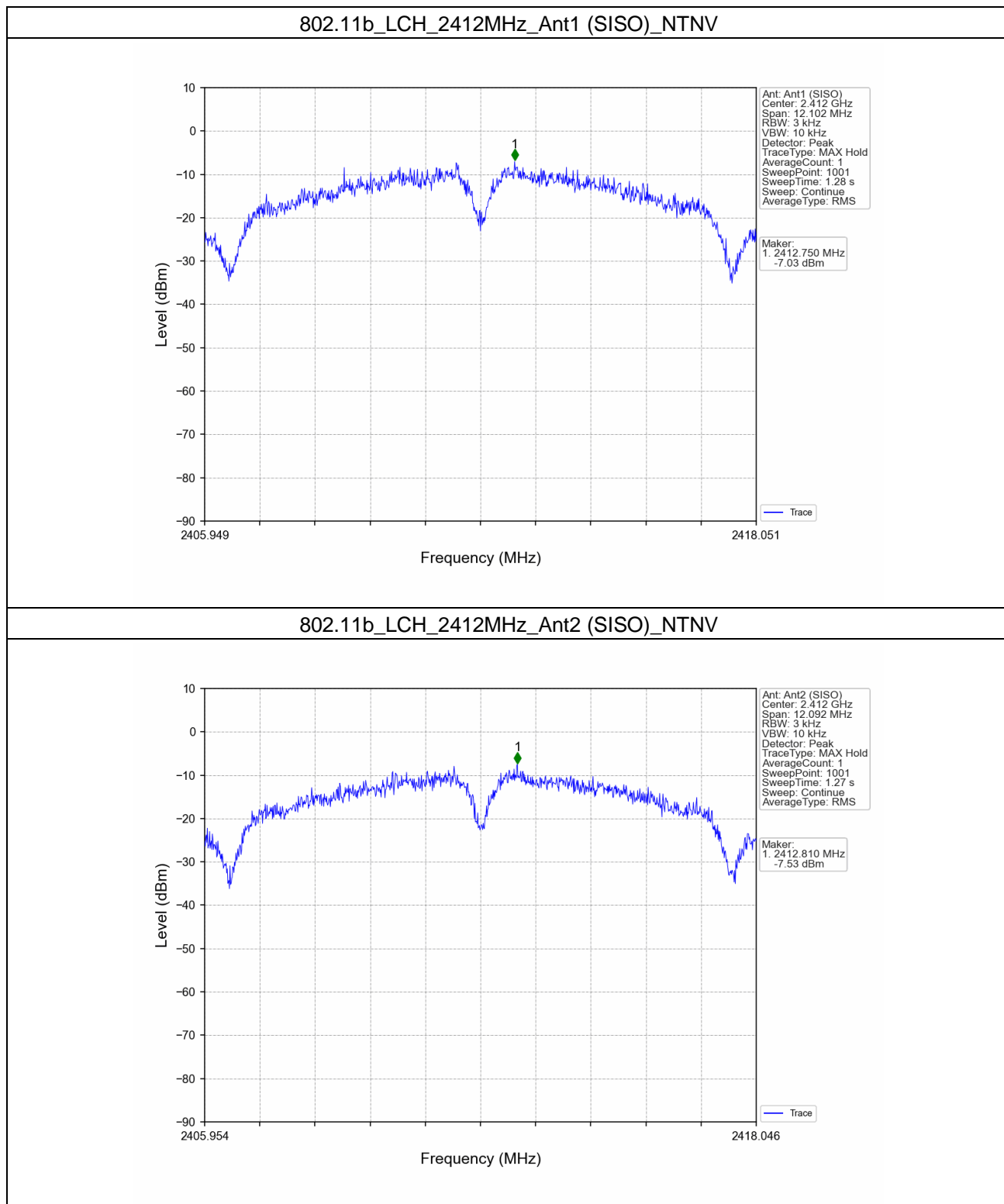
### 4.1 PSD

#### 4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11b	SISO	2412	-7.03	-7.53	/	<=8	Pass
		2437	-7.59	-7.62	/	<=8	Pass
		2462	-6.23	-7.82	/	<=8	Pass
802.11g	SISO	2412	-15.62	-15.27	/	<=8	Pass
		2437	-15.72	-16.55	/	<=8	Pass
		2462	-15.81	-16.65	/	<=8	Pass
802.11n (HT20)	MIMO	2412	-17.65	-27.09	-17.61	<=8	Pass
		2437	-17.17	-27.56	-17.14	<=8	Pass
		2462	-13.19	-20.40	-13.17	<=8	Pass

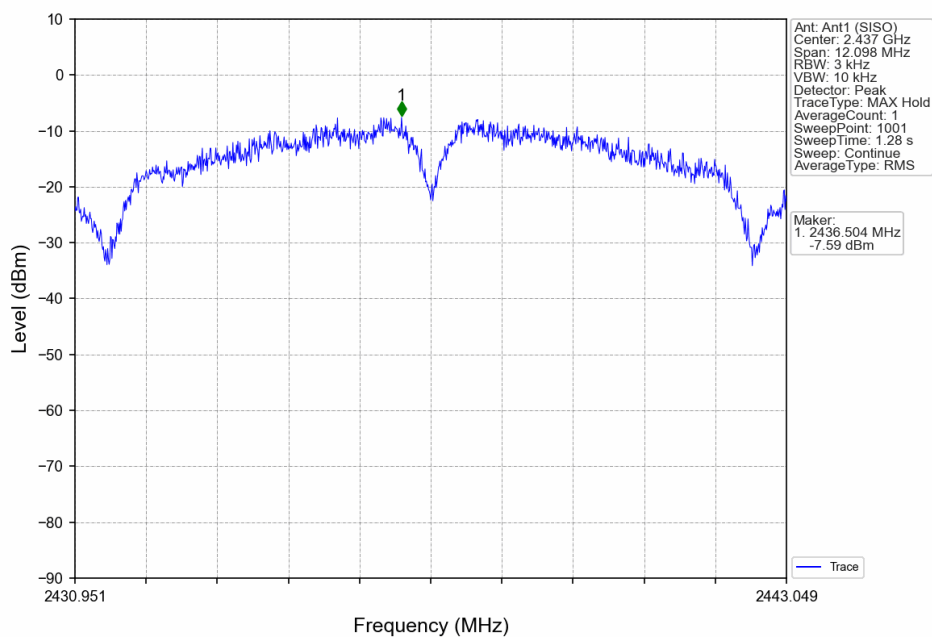
Note1: Antenna Gain: Ant1: 1.65dBi; Ant2: 1.72dBi;  
Note2: Directional Gain: 4.70 dBi

### 4.1.2 Test Graph

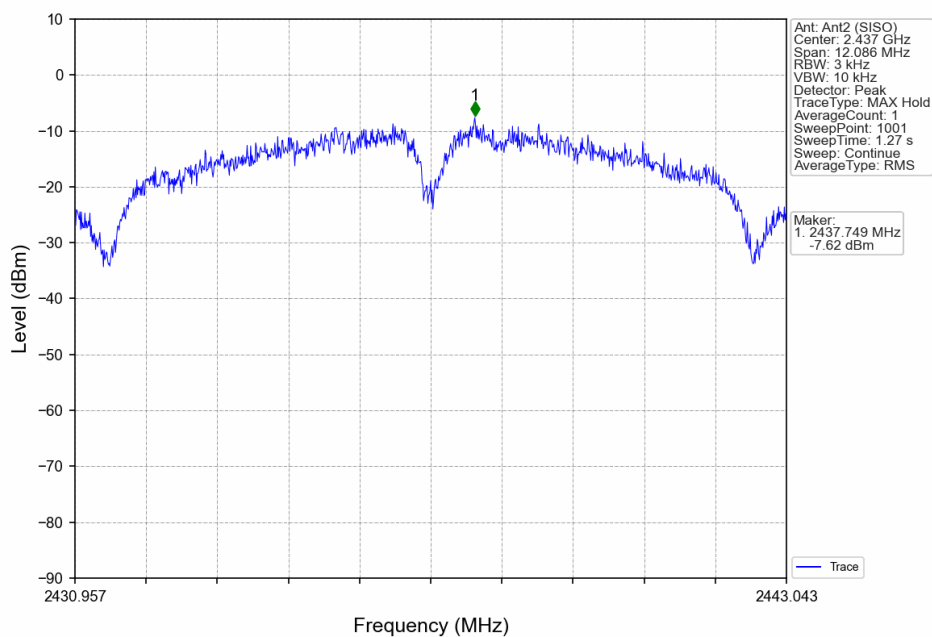




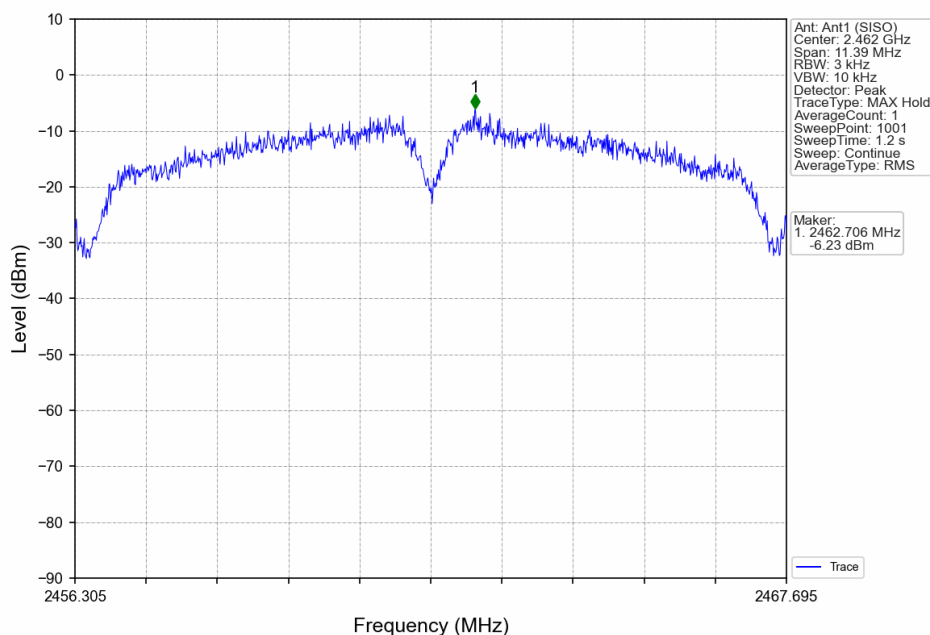
### 802.11b\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



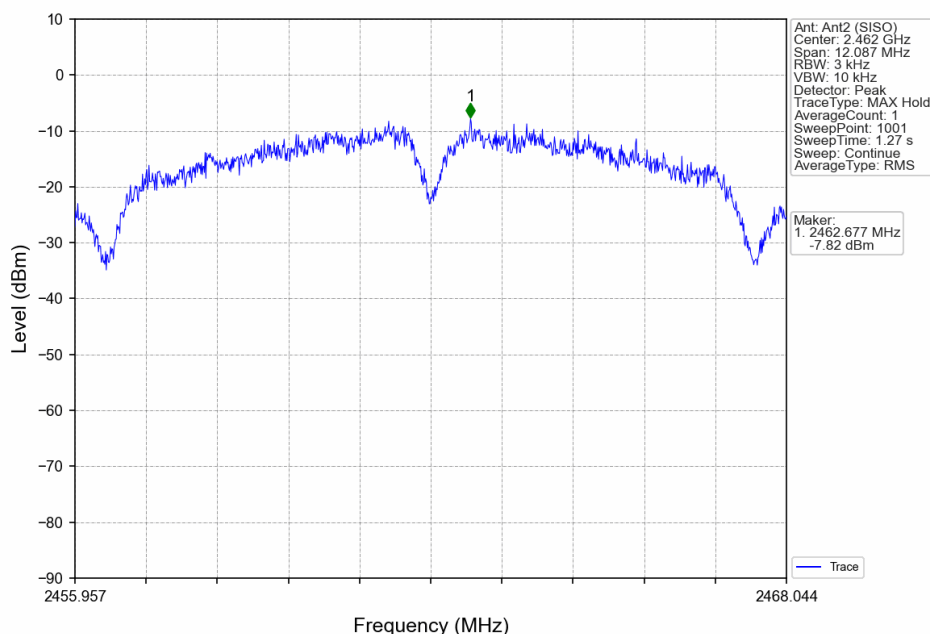
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### 802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



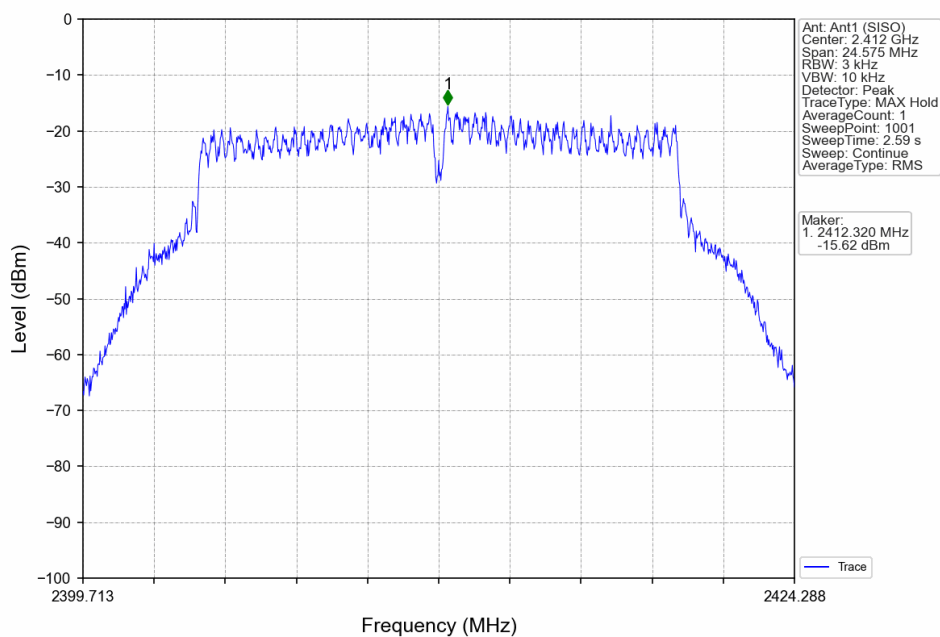
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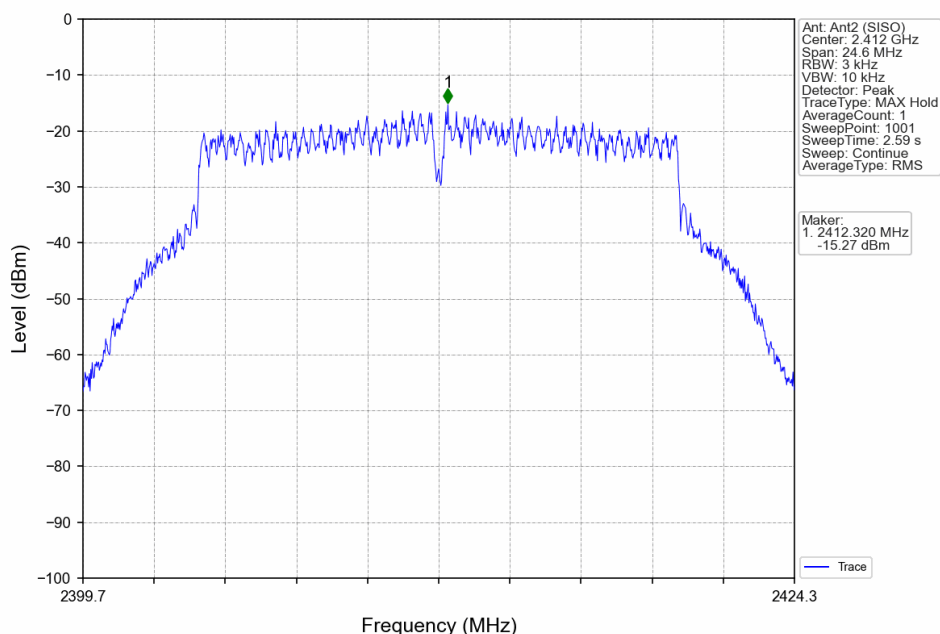
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### 802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



### 802.11g\_LCH\_2412MHz\_Ant2 (SISO)\_NTNV

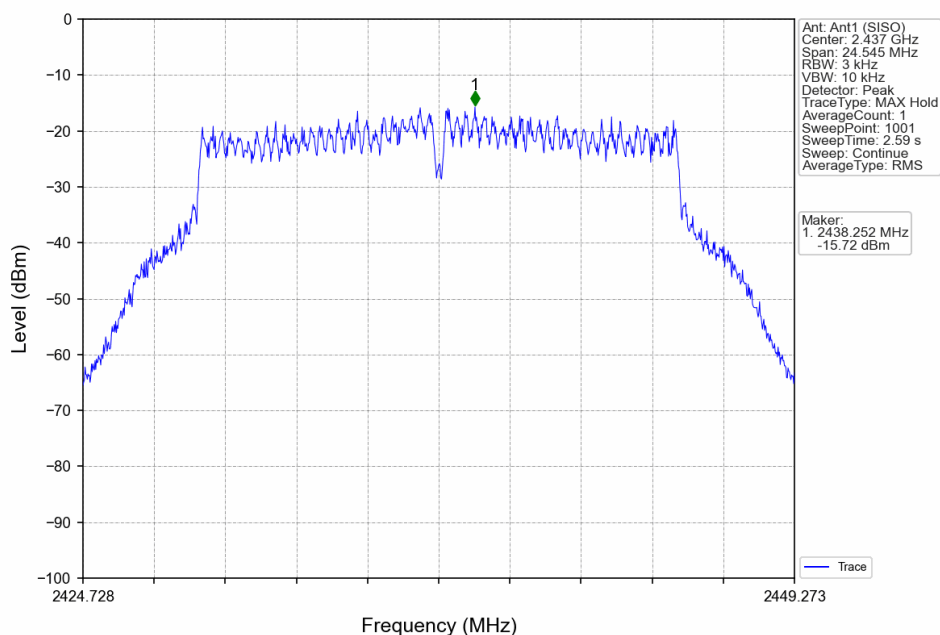


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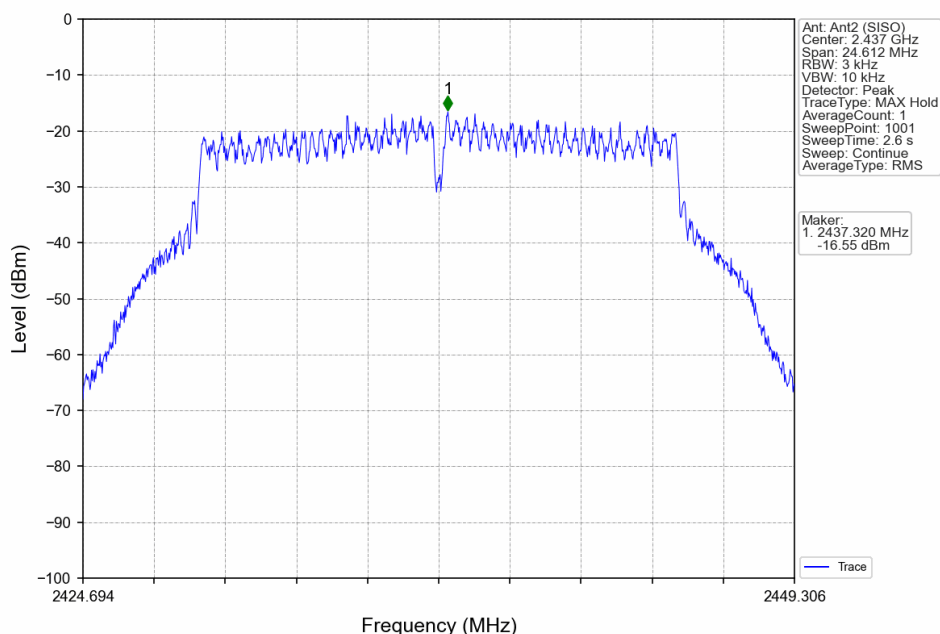
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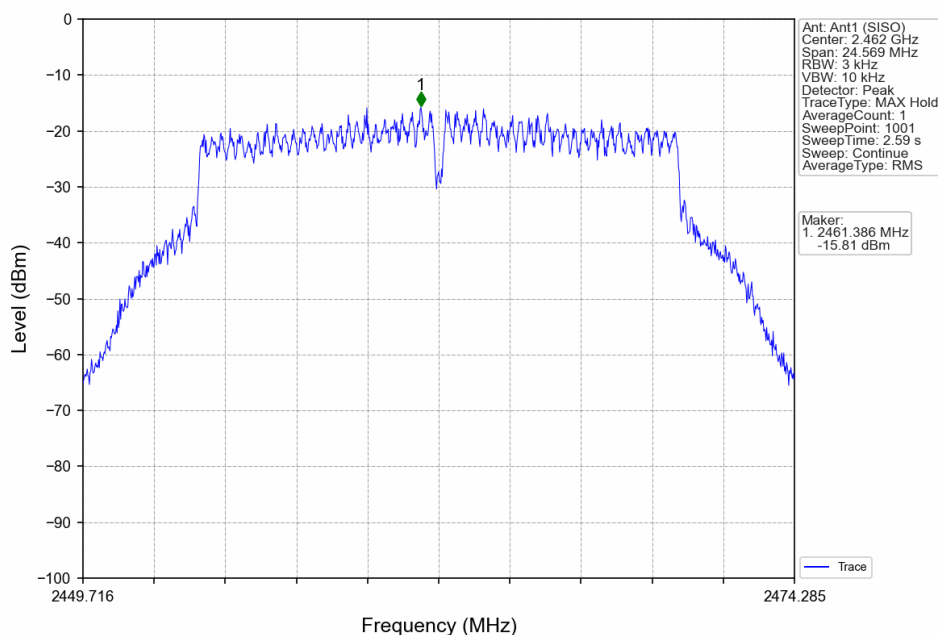
### 802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



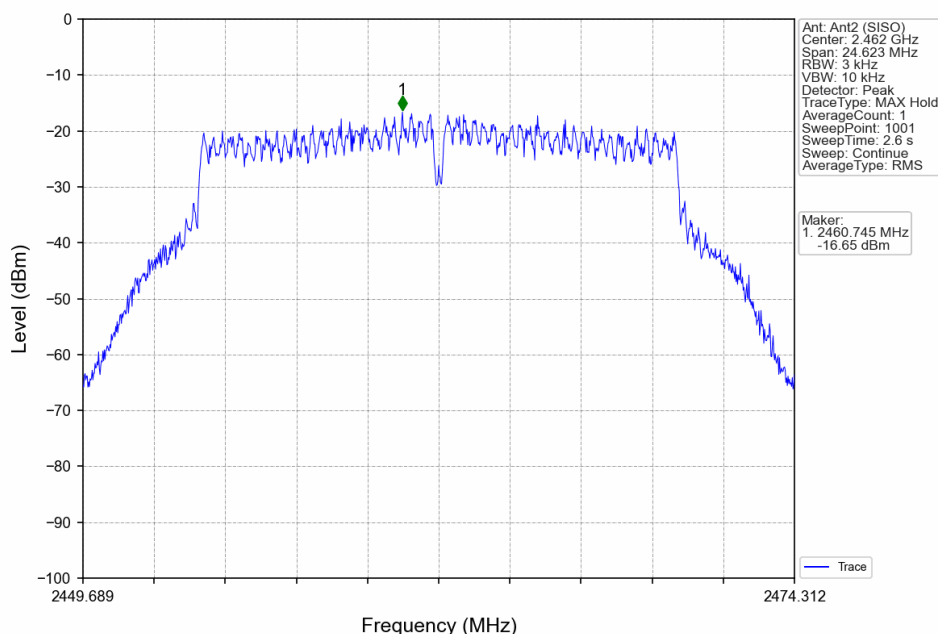
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### 802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



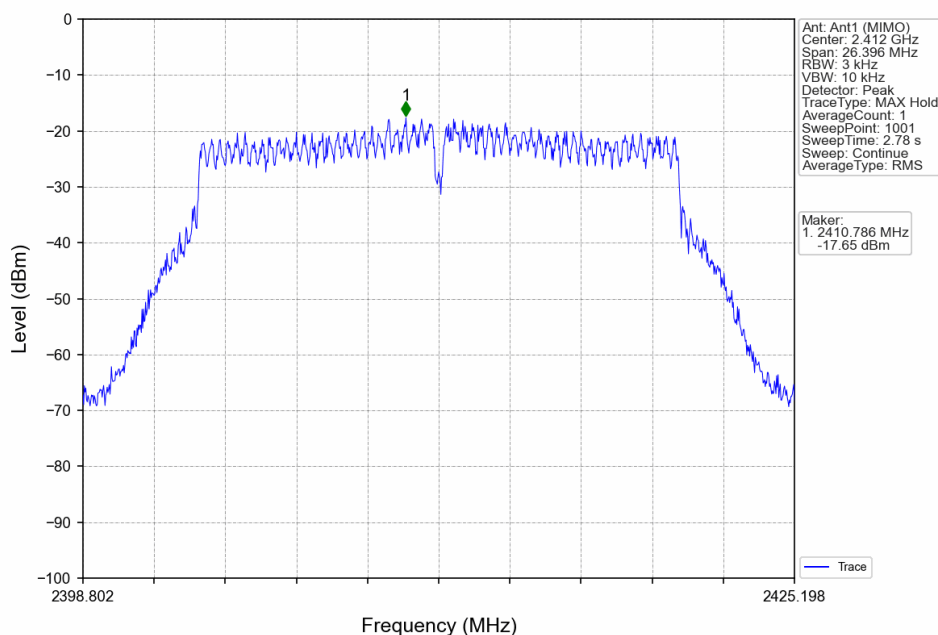
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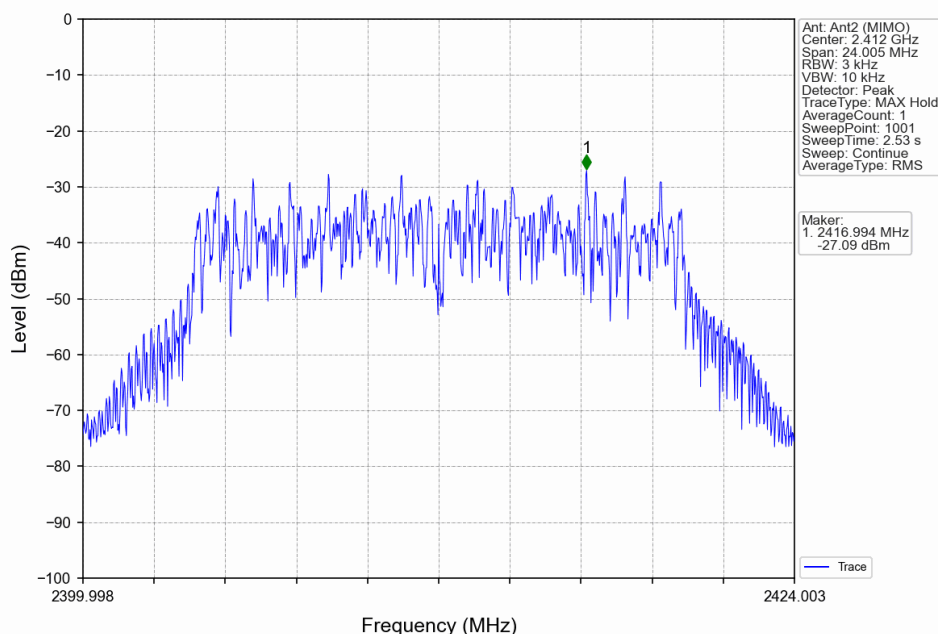
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### 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (MIMO)\_NTNV



### 802.11n(HT20)\_LCH\_2412MHz\_Ant2 (MIMO)\_NTNV



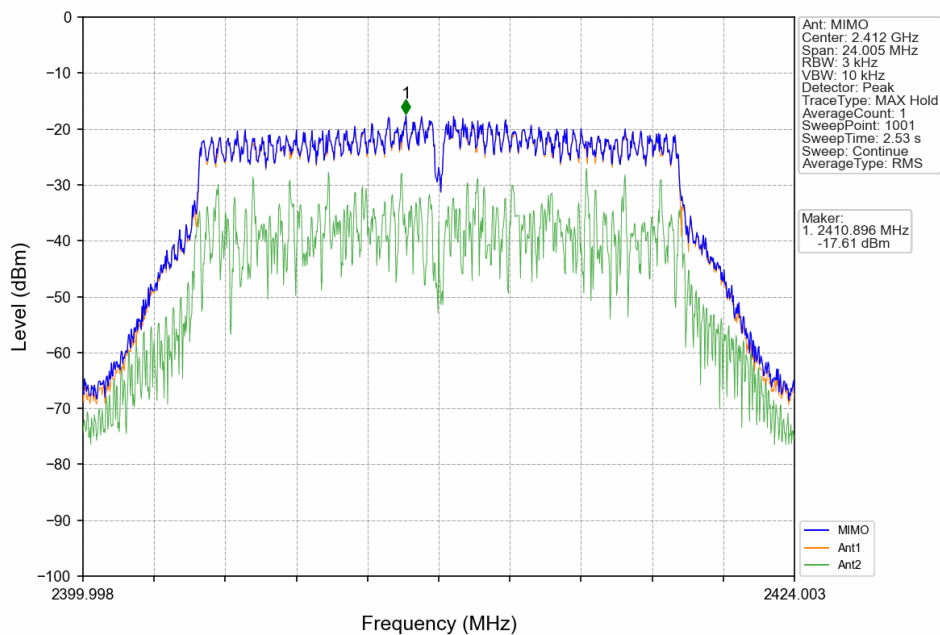
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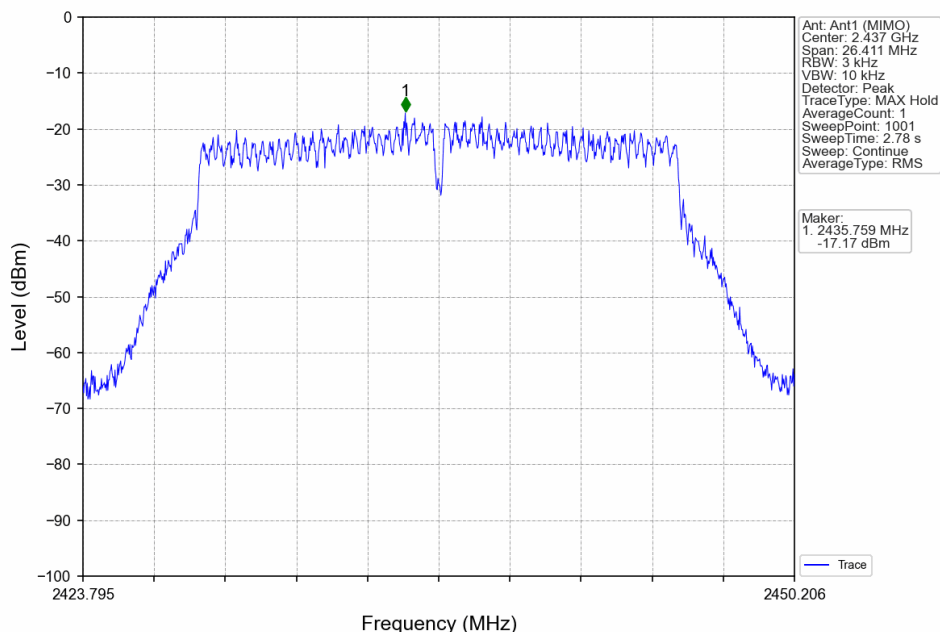
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### 802.11n(HT20)\_LCH\_2412MHz\_MIMO\_NTNV



### 802.11n(HT20)\_MCH\_2437MHz\_Ant1 (MIMO)\_NTNV

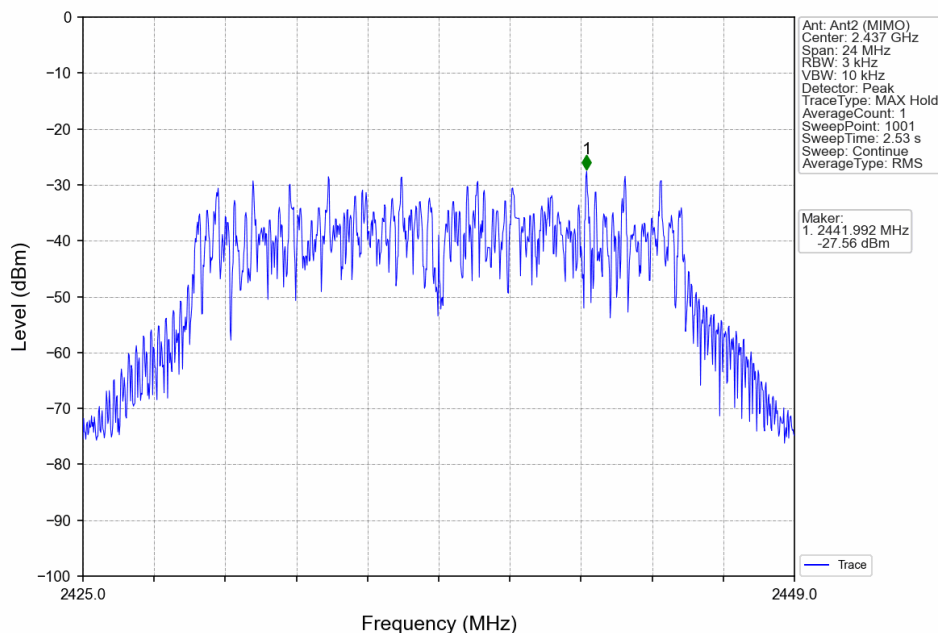


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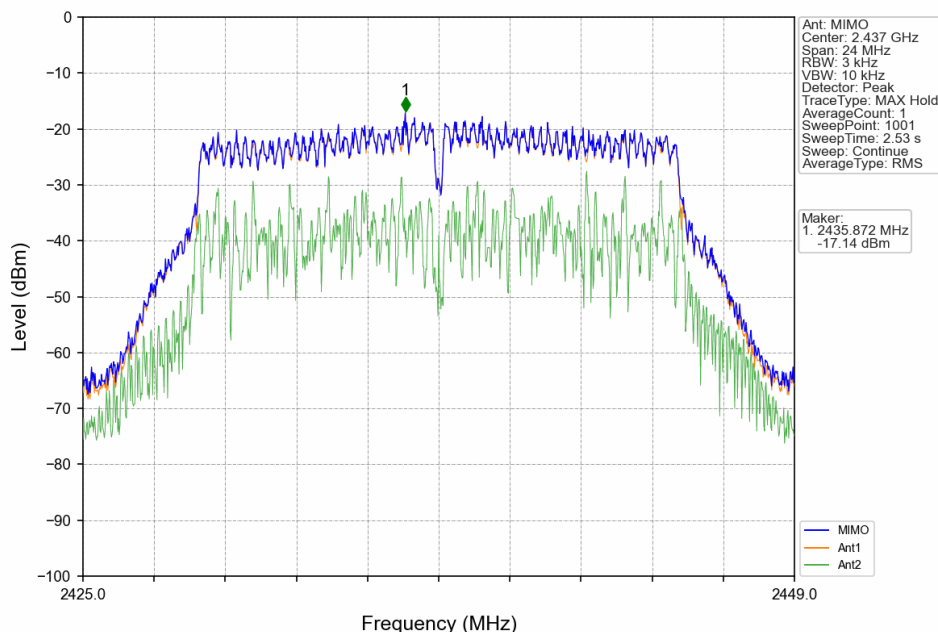
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### 802.11n(HT20)\_MCH\_2437MHz\_Ant2 (MIMO)\_NTNV



### 802.11n(HT20)\_MCH\_2437MHz\_MIMO\_NTNV

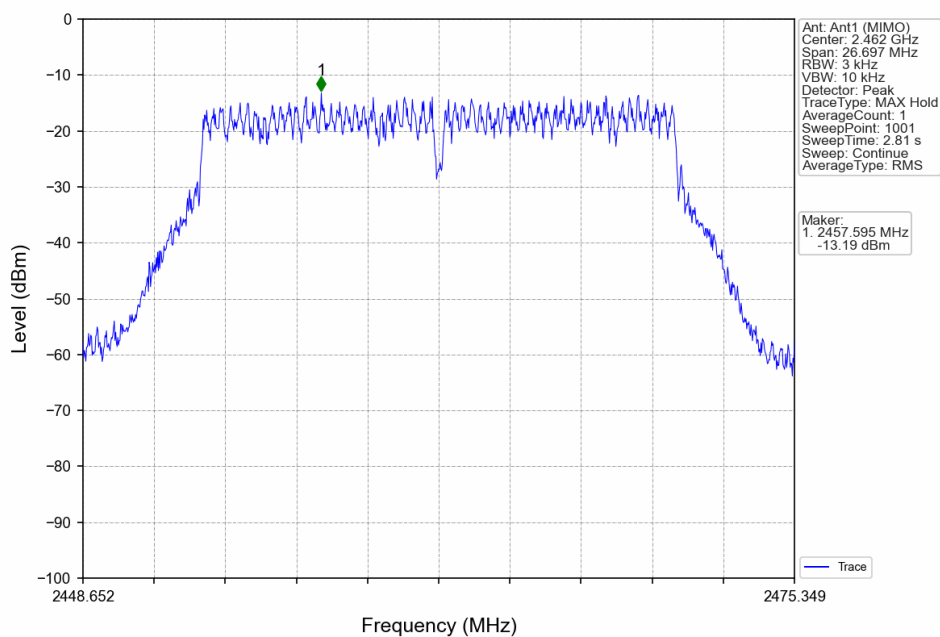


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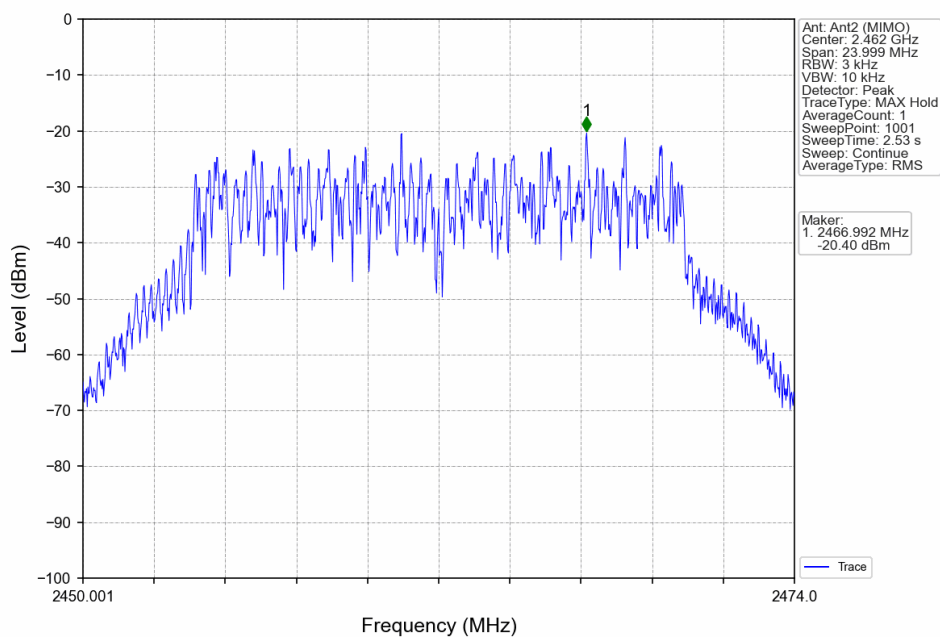
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### 802.11n(HT20)\_HCH\_2462MHz\_Ant1 (MIMO)\_NTNV



### 802.11n(HT20)\_HCH\_2462MHz\_Ant2 (MIMO)\_NTNV

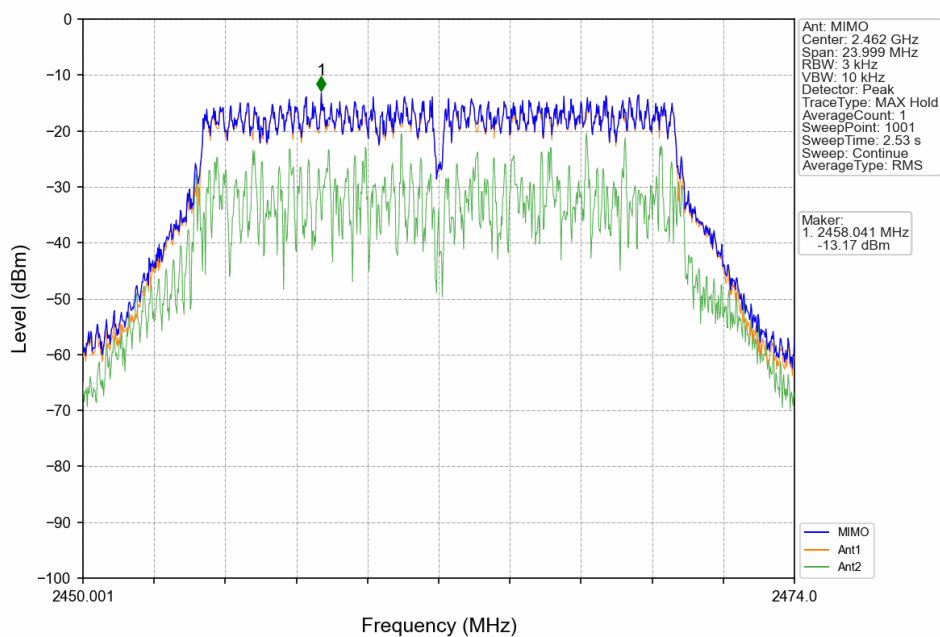


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### 802.11n(HT20)\_HCH\_2462MHz\_MIMO\_NTNV



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

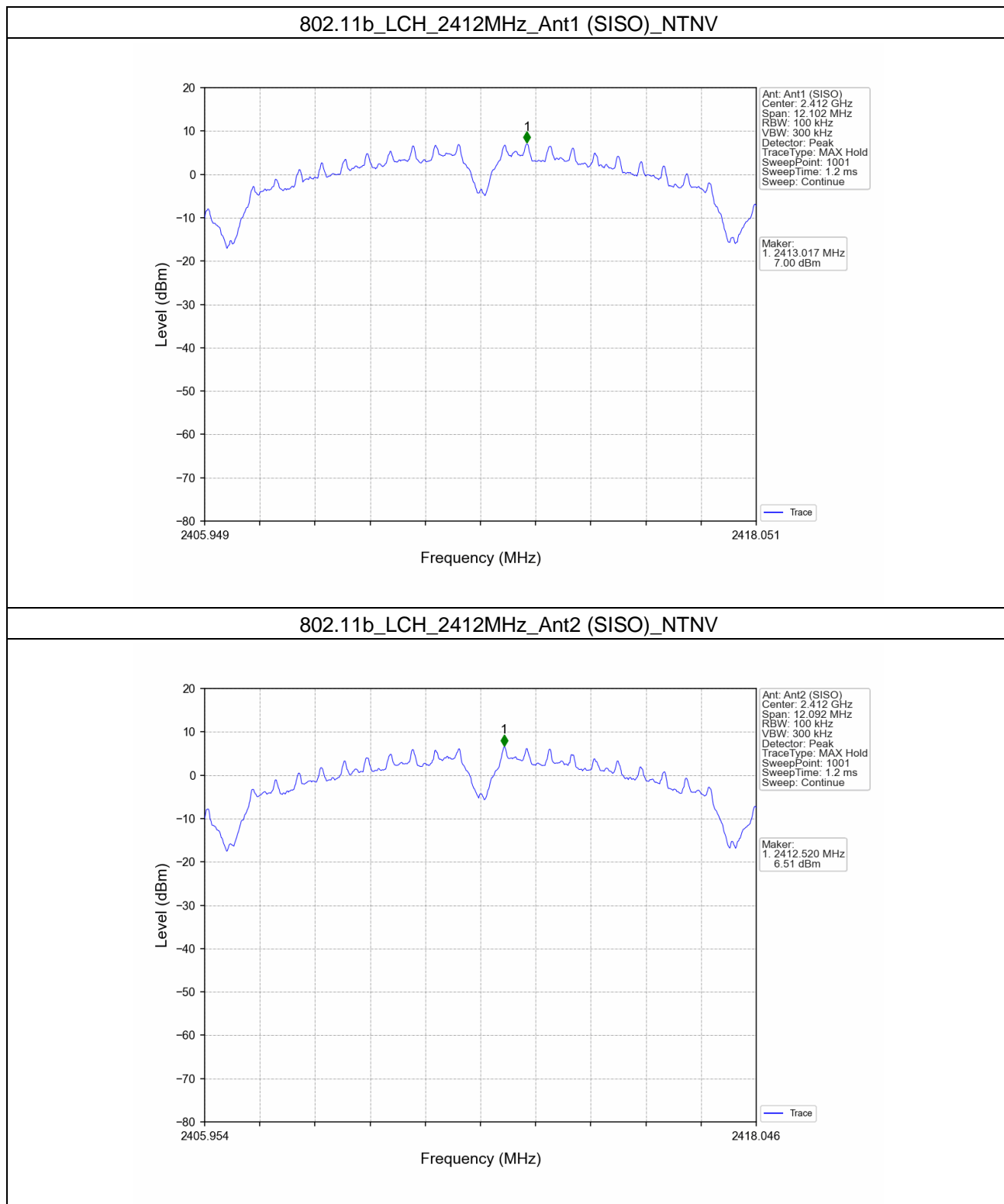
### 5.1 Ref

#### 5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	7.00
			2	6.51
		2437	1	7.32
			2	6.00
		2462	1	7.22
			2	6.46
802.11g	SISO	2412	1	-3.04
			2	-3.46
		2437	1	-3.03
			2	-3.60
		2462	1	-2.86
			2	-3.79
802.11n (HT20)	MIMO	2412	1	-4.09
			2	-5.03
		2437	1	-4.80
			2	-5.50
		2462	1	2.14
			2	1.08

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.

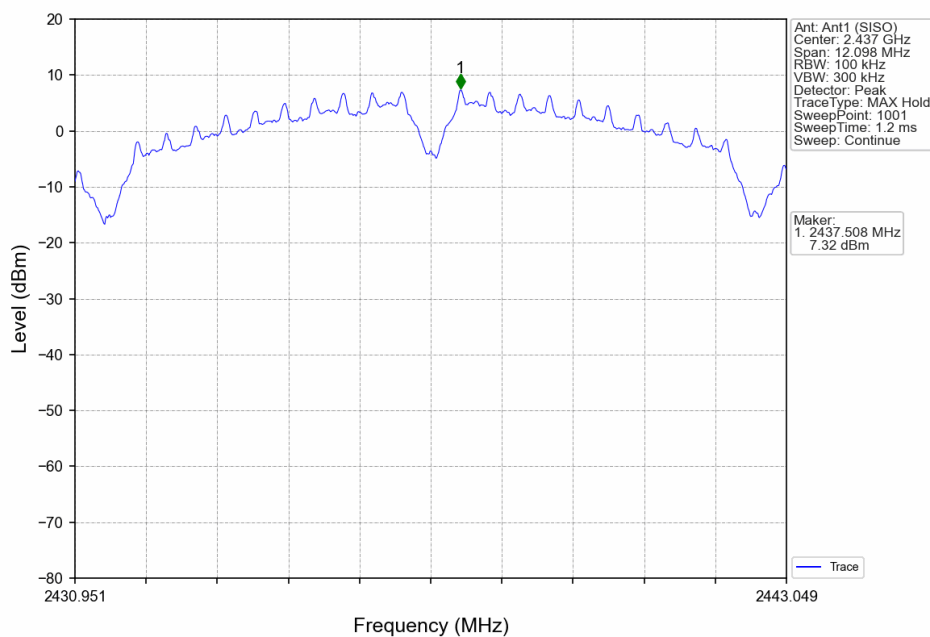
### 5.1.2 Test Graph



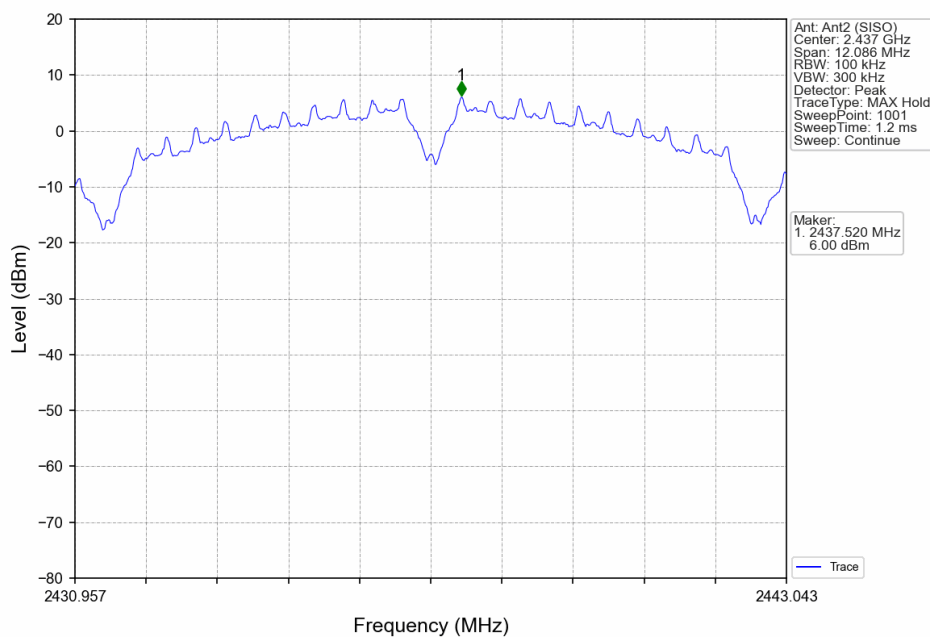
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802.11b\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



802.11b\_MCH\_2437MHz\_Ant2 (SISO)\_NTNV

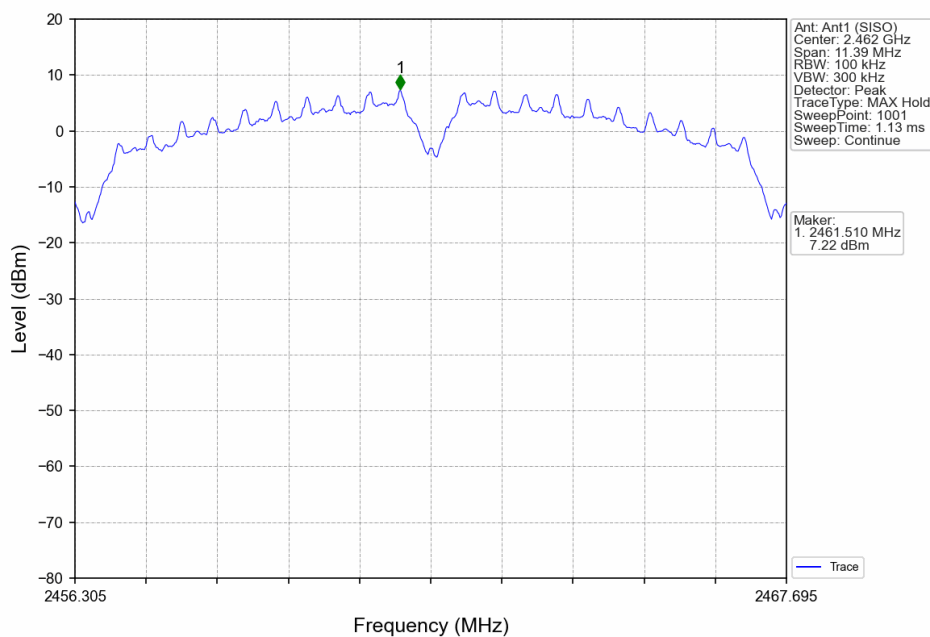


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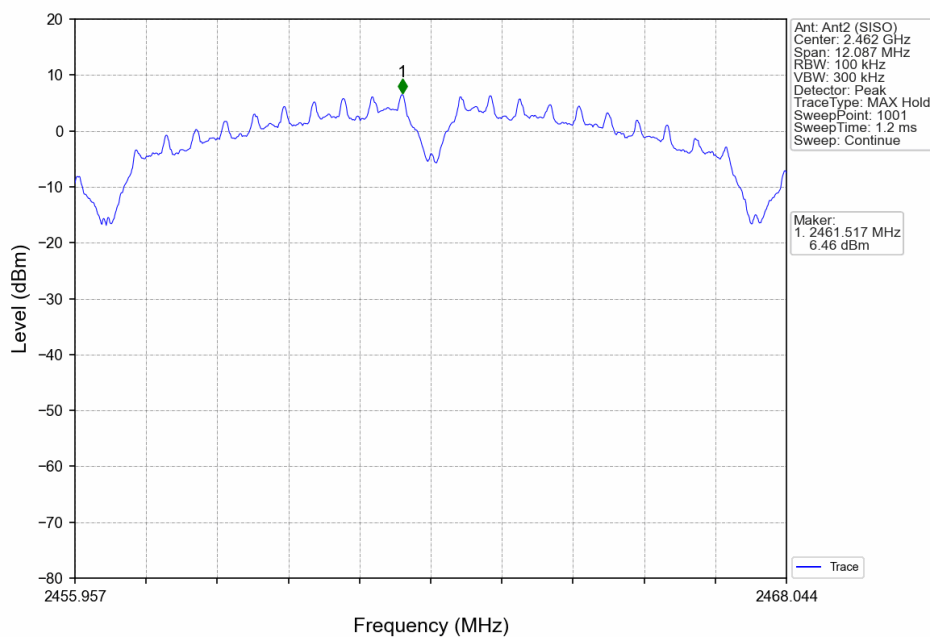
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### 802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



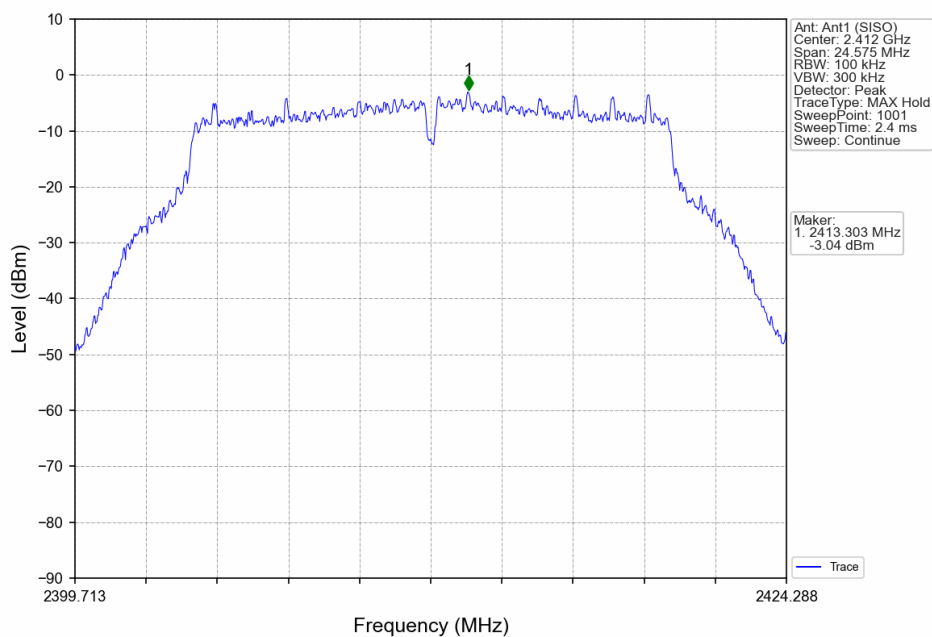
### 802.11b\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV



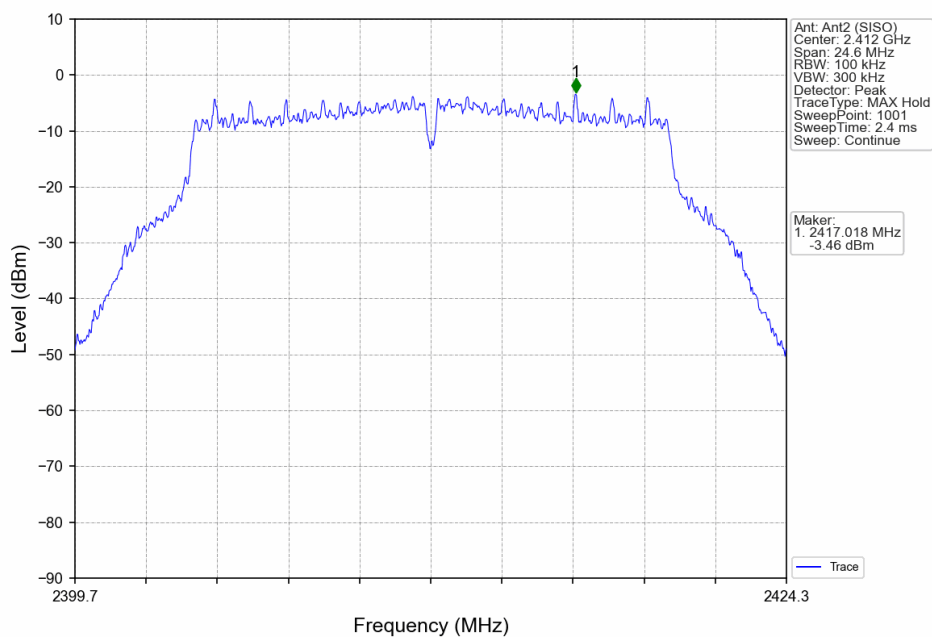
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### 802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



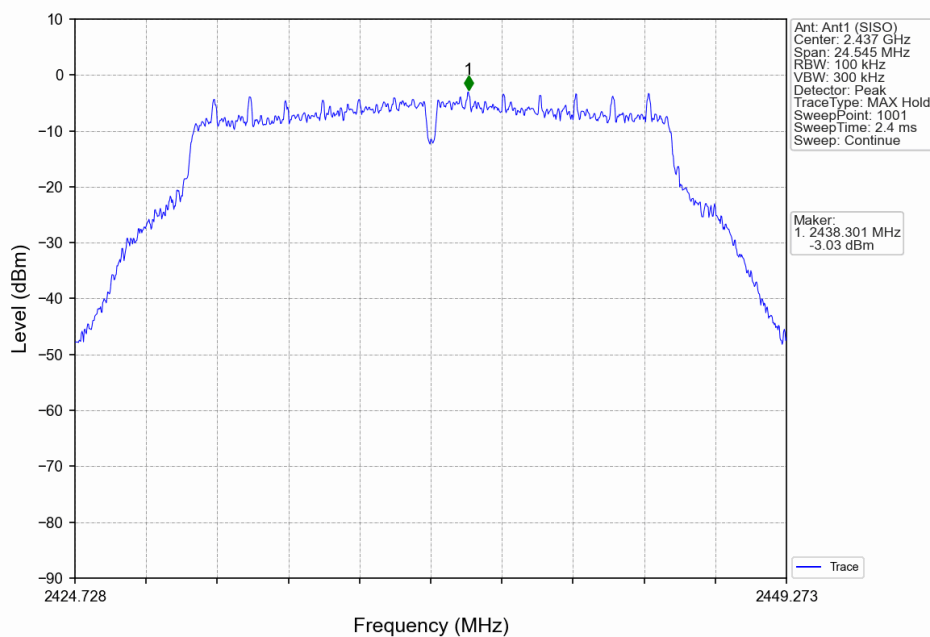
### 802.11g\_LCH\_2412MHz\_Ant2 (SISO)\_NTNV



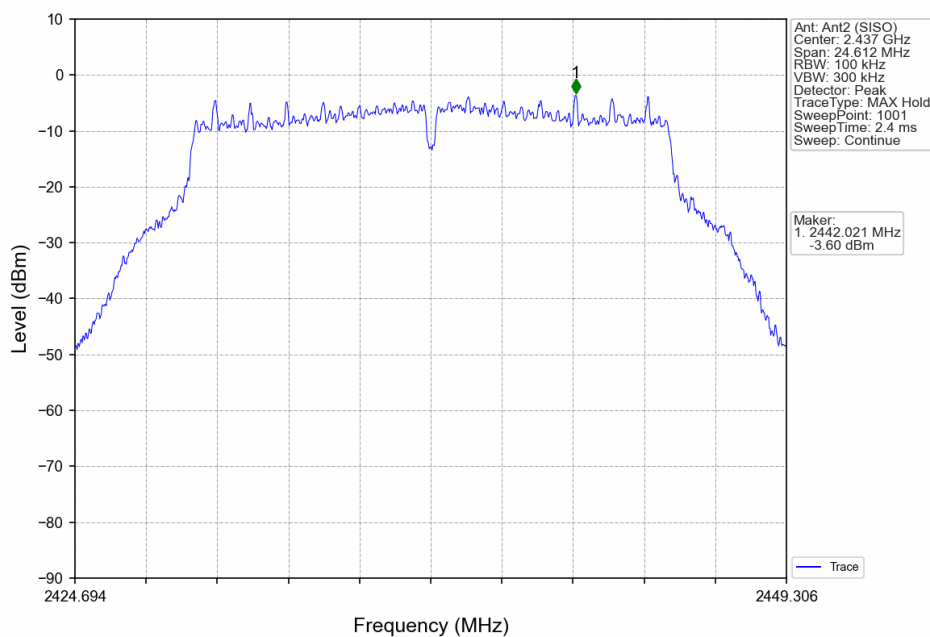
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### 802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



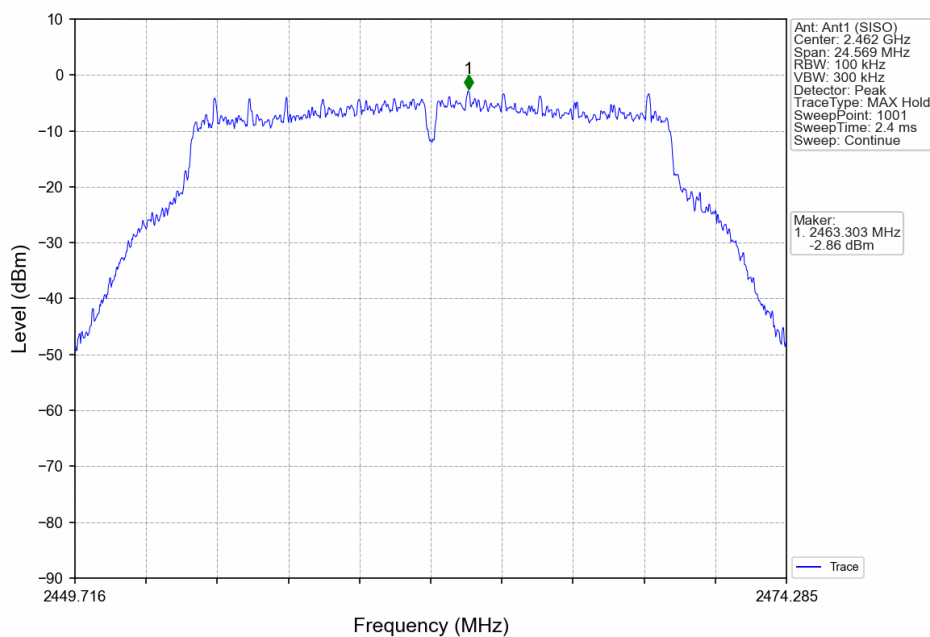
### 802.11g\_MCH\_2437MHz\_Ant2 (SISO)\_NTNV



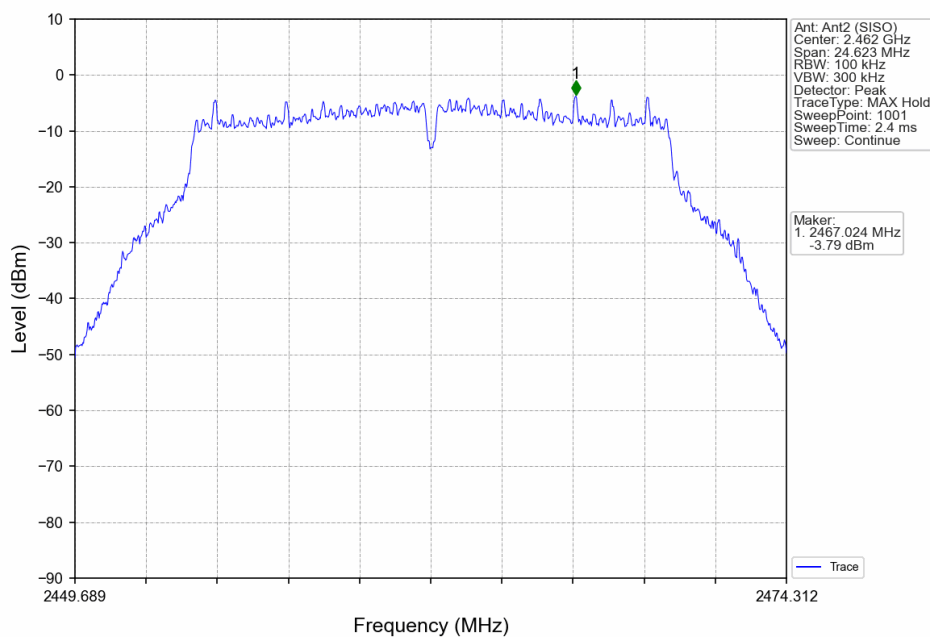
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802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

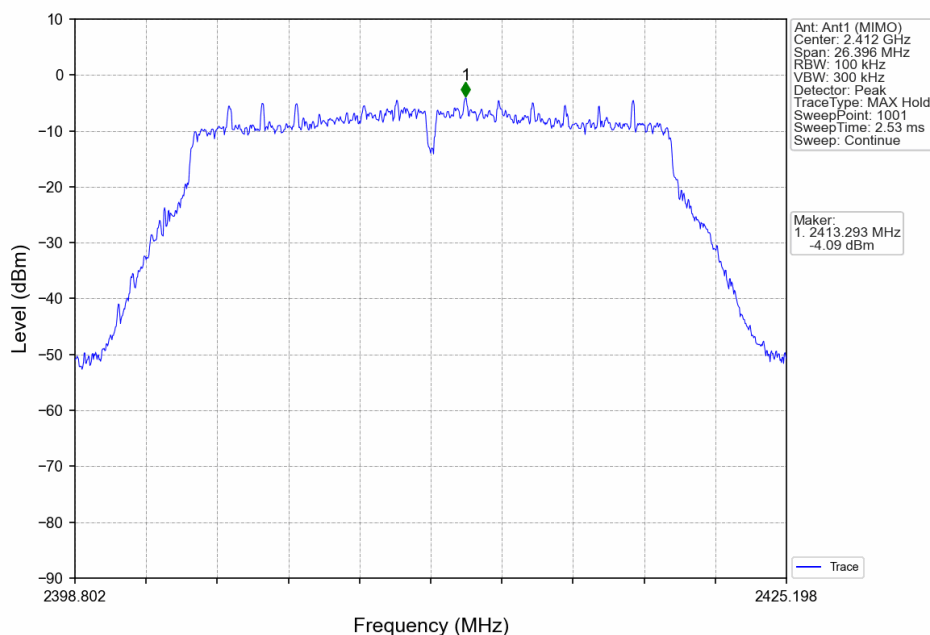


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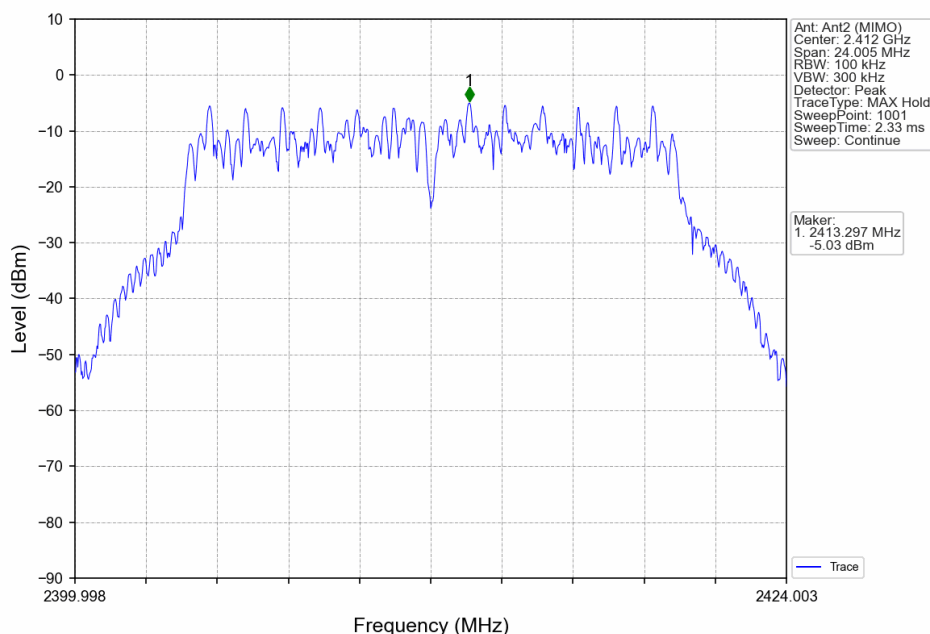


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802.11n(HT20)\_LCH\_2412MHz\_Ant1 (MIMO)\_NTNV



802.11n(HT20)\_LCH\_2412MHz\_Ant2 (MIMO)\_NTNV

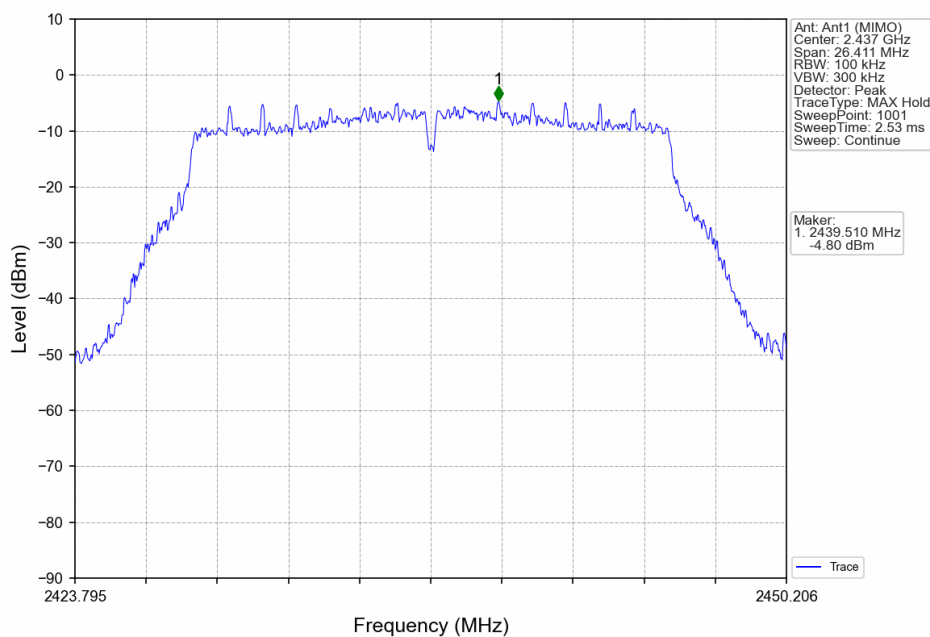


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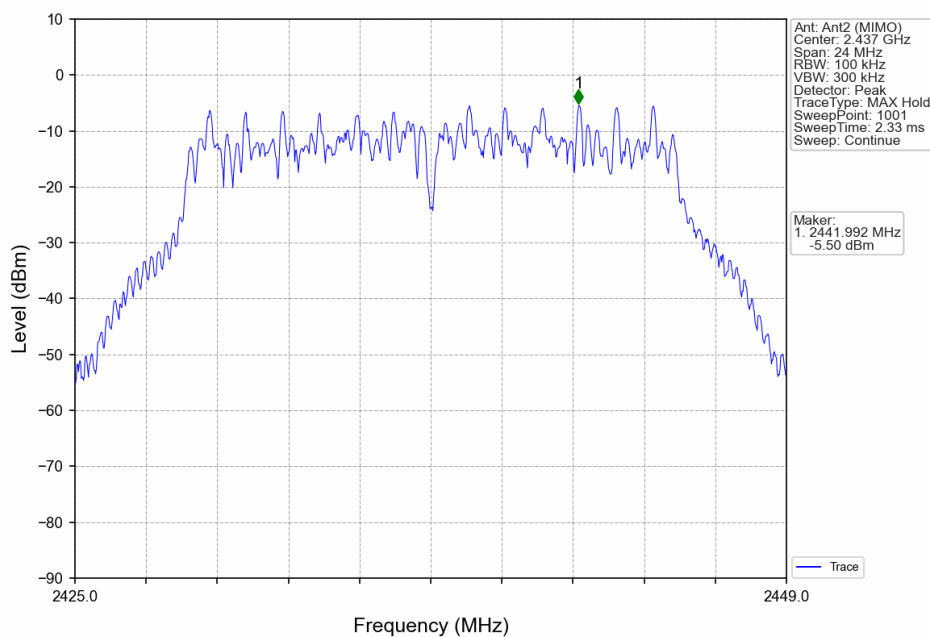
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802.11n(HT20)\_MCH\_2437MHz\_Ant1 (MIMO)\_NTNV



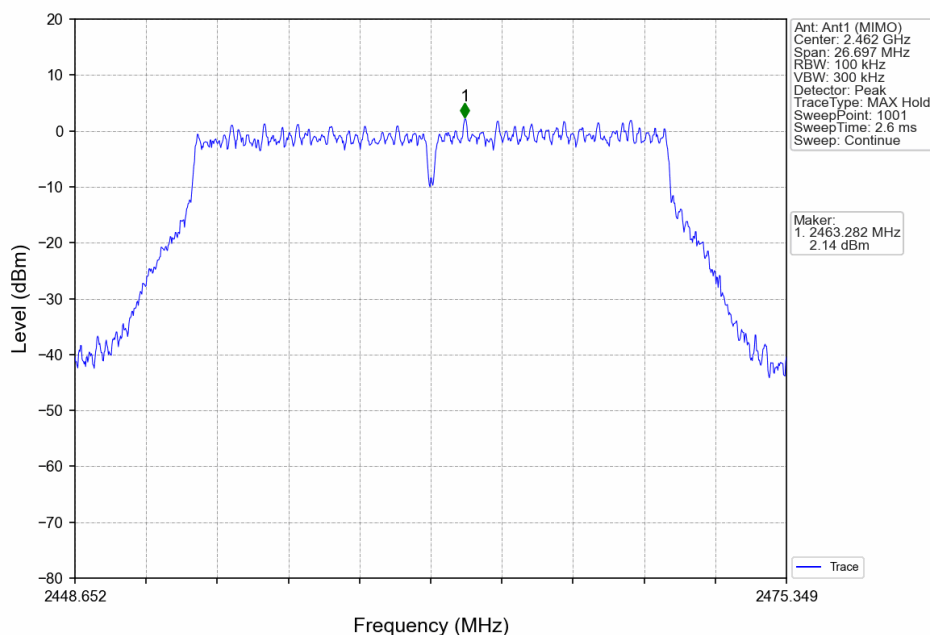
802.11n(HT20)\_MCH\_2437MHz\_Ant2 (MIMO)\_NTNV



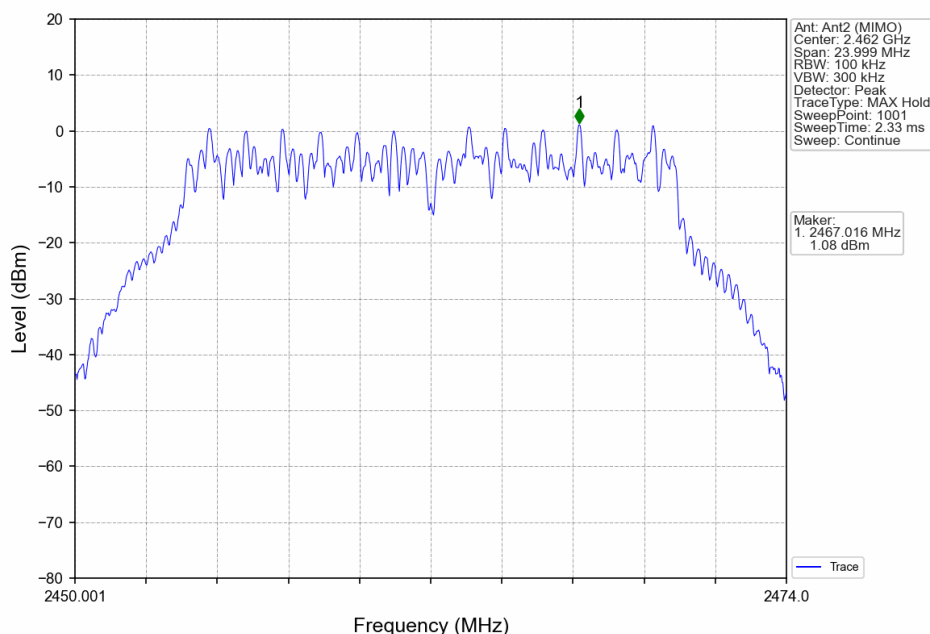
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### 802.11n(HT20)\_HCH\_2462MHz\_Ant1 (MIMO)\_NTNV



### 802.11n(HT20)\_HCH\_2462MHz\_Ant2 (MIMO)\_NTNV



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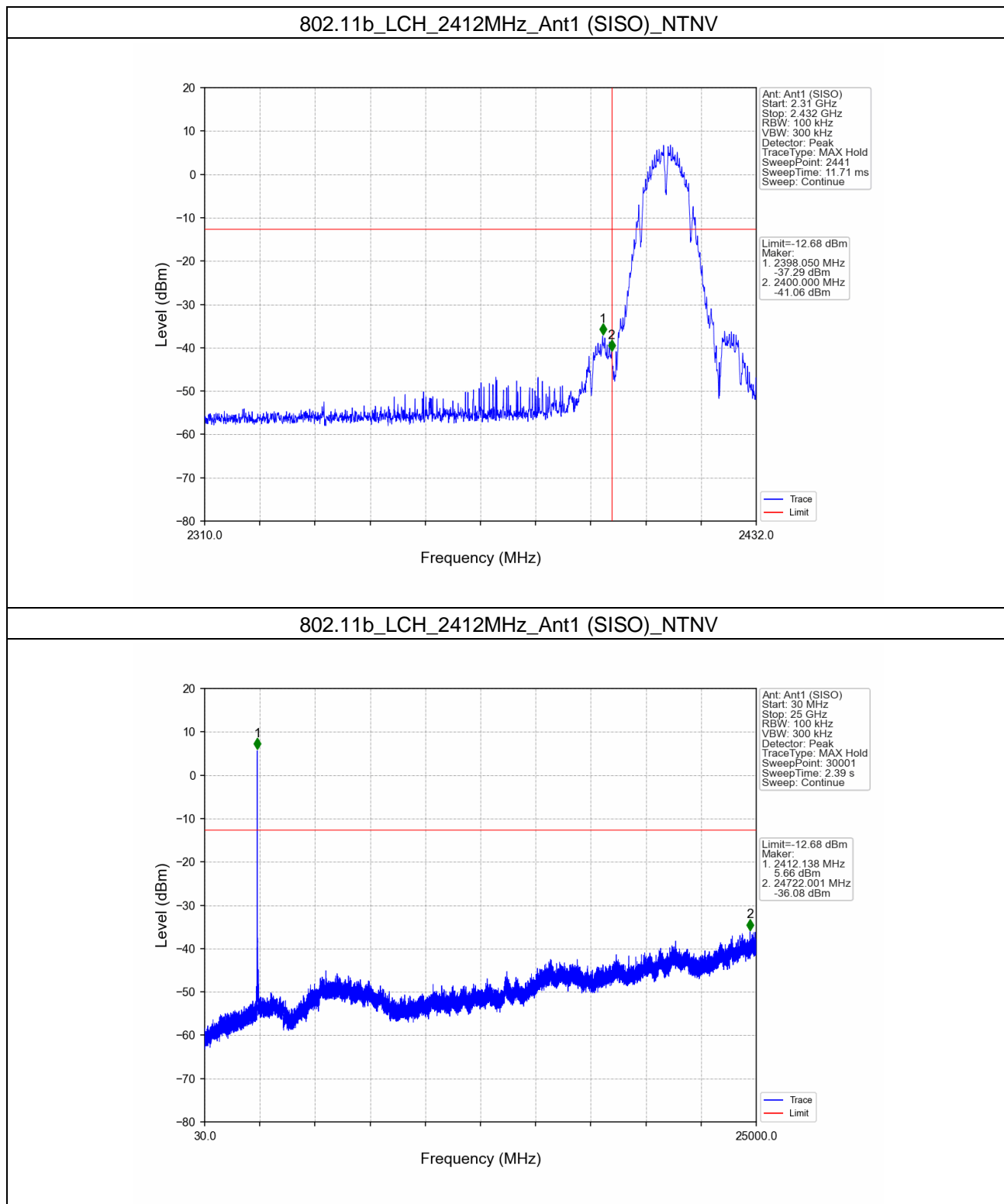
### 5.2 CSE

#### 5.2.1 Test Result

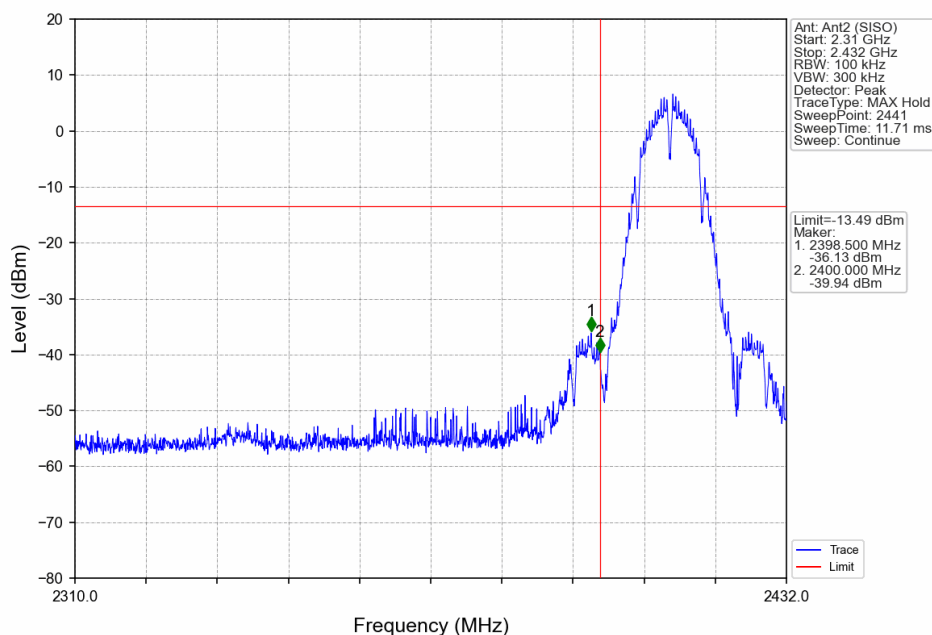
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	7.32	-12.68	Pass
			2	6.51	-13.49	Pass
		2437	1	7.32	-12.68	Pass
			2	6.51	-13.49	Pass
		2462	1	7.32	-12.68	Pass
			2	6.51	-13.49	Pass
802.11g	SISO	2412	1	-2.86	-22.86	Pass
			2	-3.46	-23.46	Pass
		2437	1	-2.86	-22.86	Pass
			2	-3.46	-23.46	Pass
		2462	1	-2.86	-22.86	Pass
			2	-3.46	-23.46	Pass
802.11n (HT20)	MIMO	2412	1	2.14	-17.86	Pass
			2	1.08	-18.92	Pass
		2437	1	2.14	-17.86	Pass
			2	1.08	-18.92	Pass
		2462	1	2.14	-17.86	Pass
			2	1.08	-18.92	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.

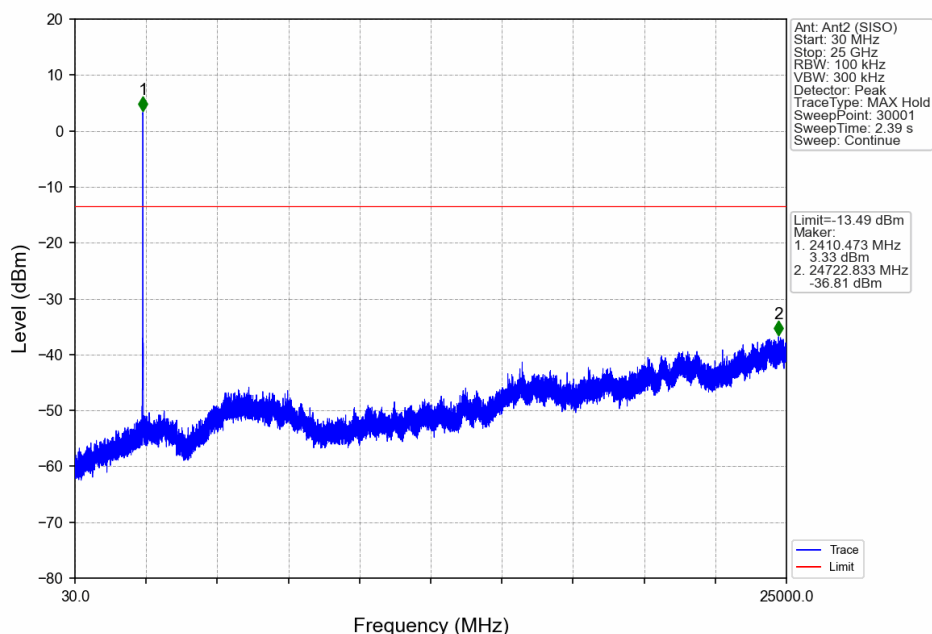
### 5.2.2 Test Graph



### 802.11b\_LCH\_2412MHz\_Ant2 (SISO)\_NTNV



### 802.11b\_LCH\_2412MHz\_Ant2 (SISO)\_NTNV

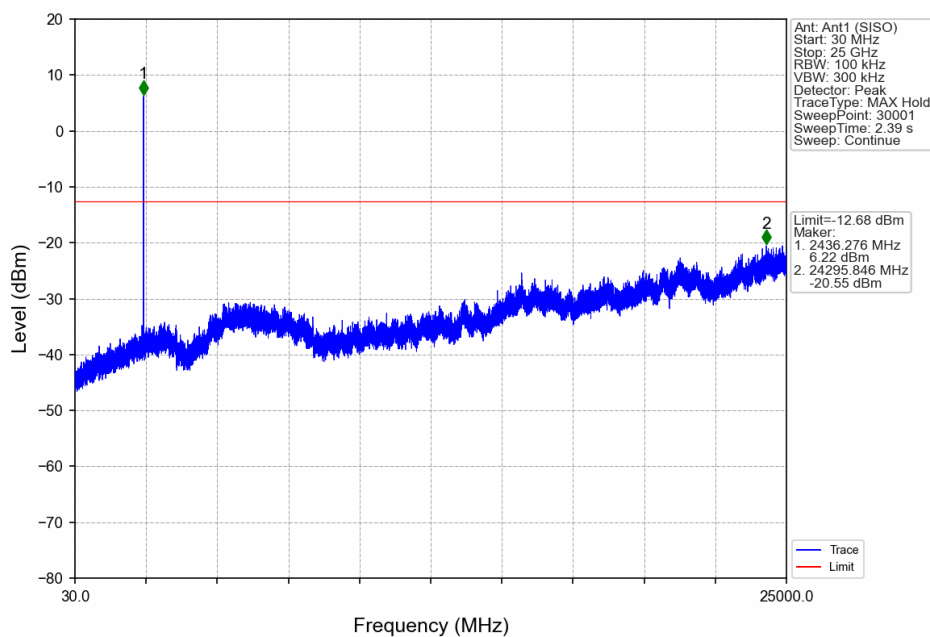


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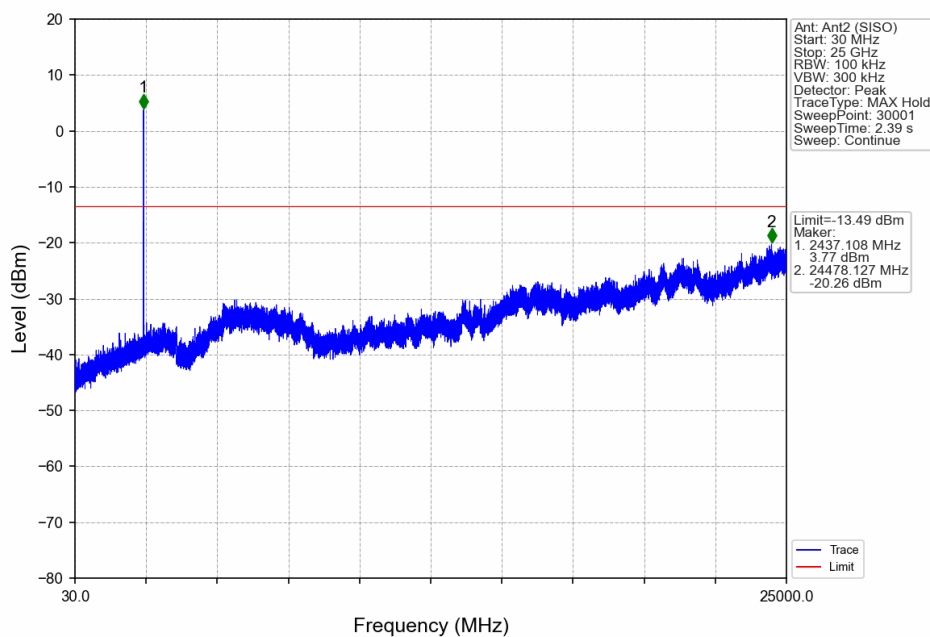
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### 802.11b\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



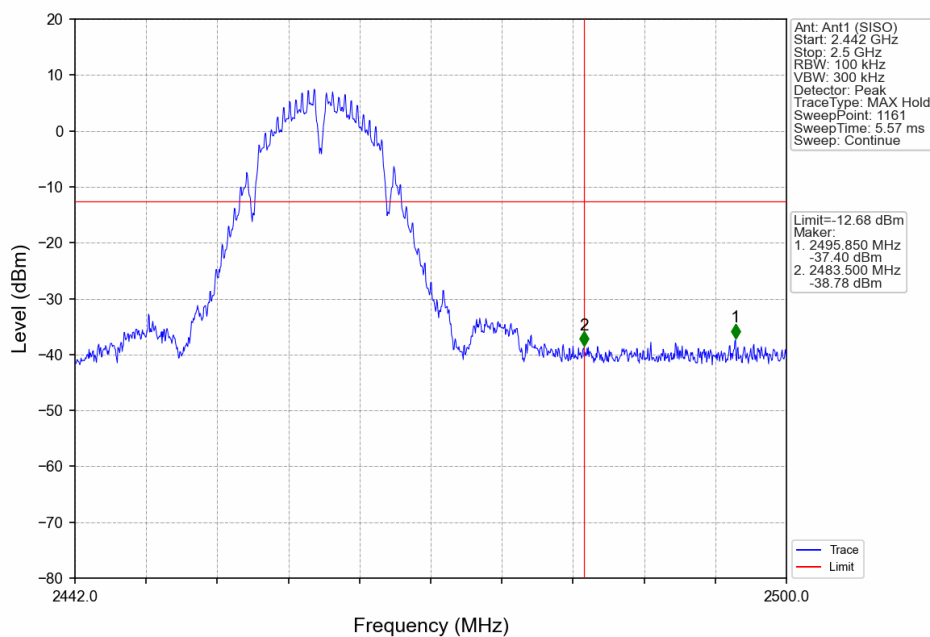
### 802.11b\_MCH\_2437MHz\_Ant2 (SISO)\_NTNV



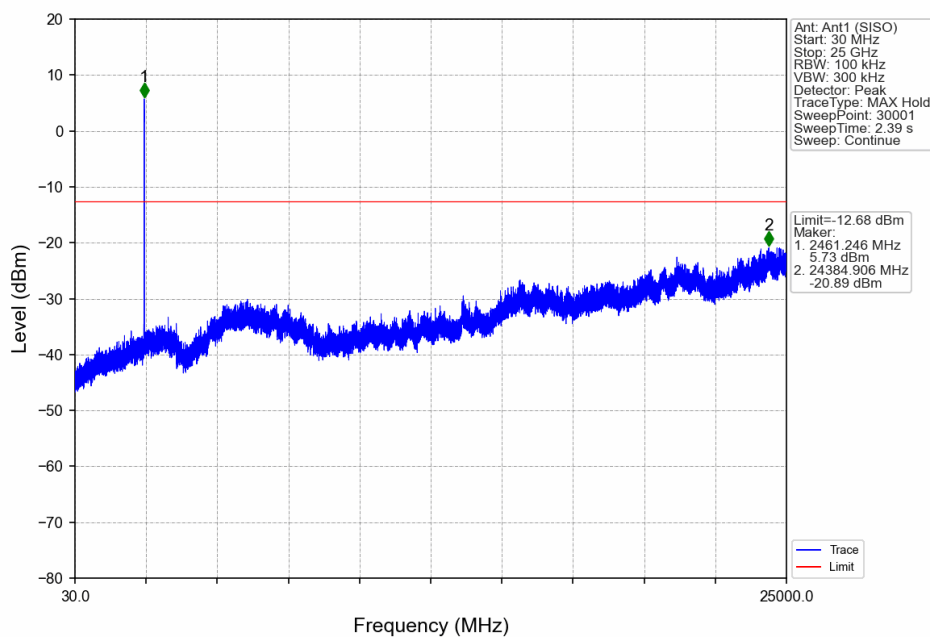
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802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



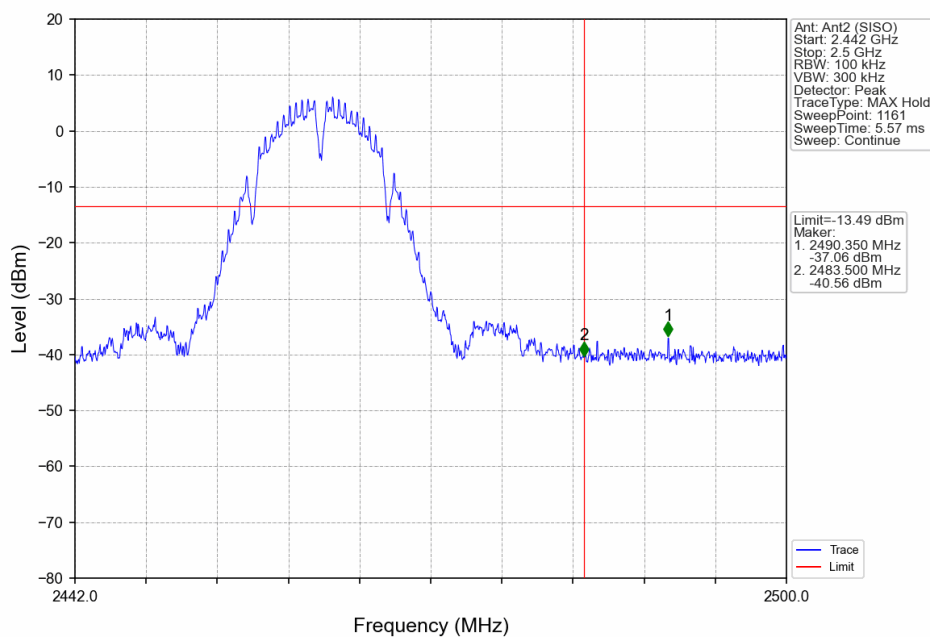
802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



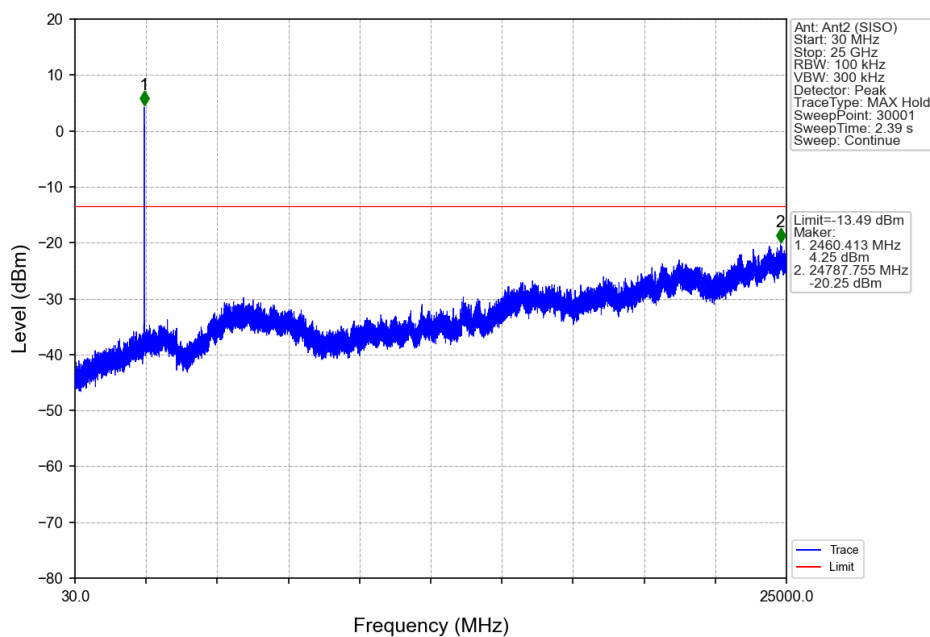
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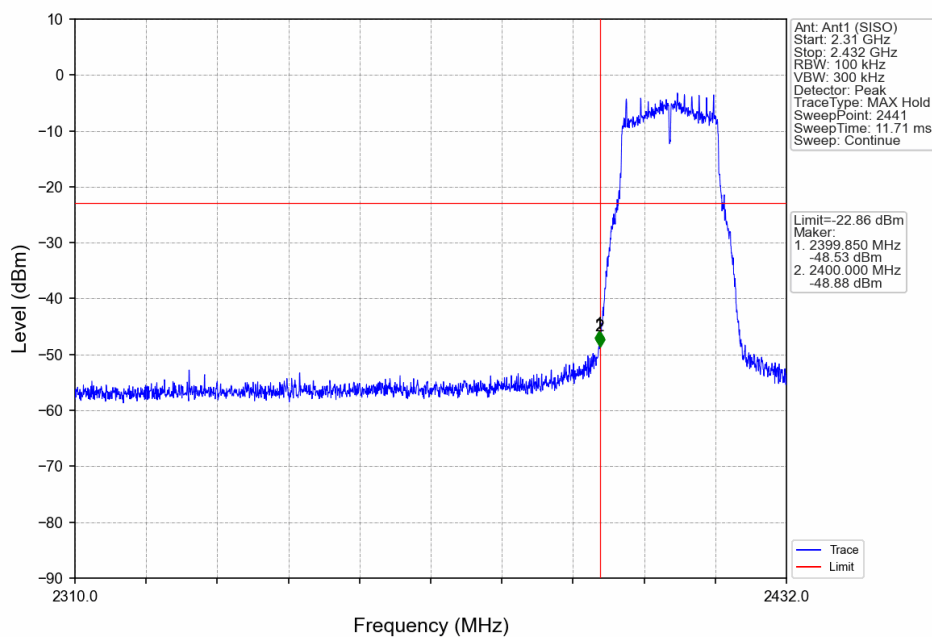
### 802.11b\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV



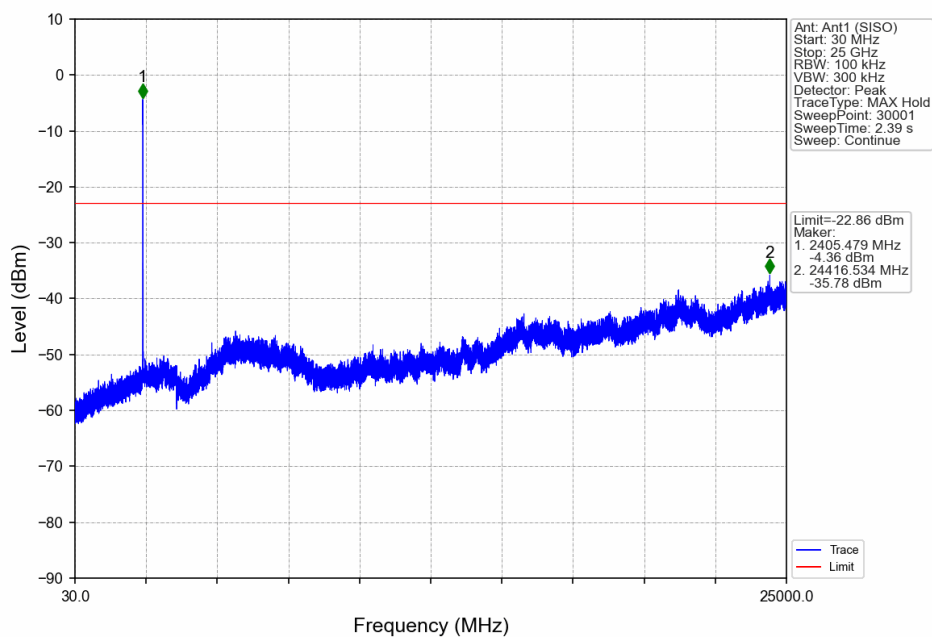
### 802.11b\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV



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



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

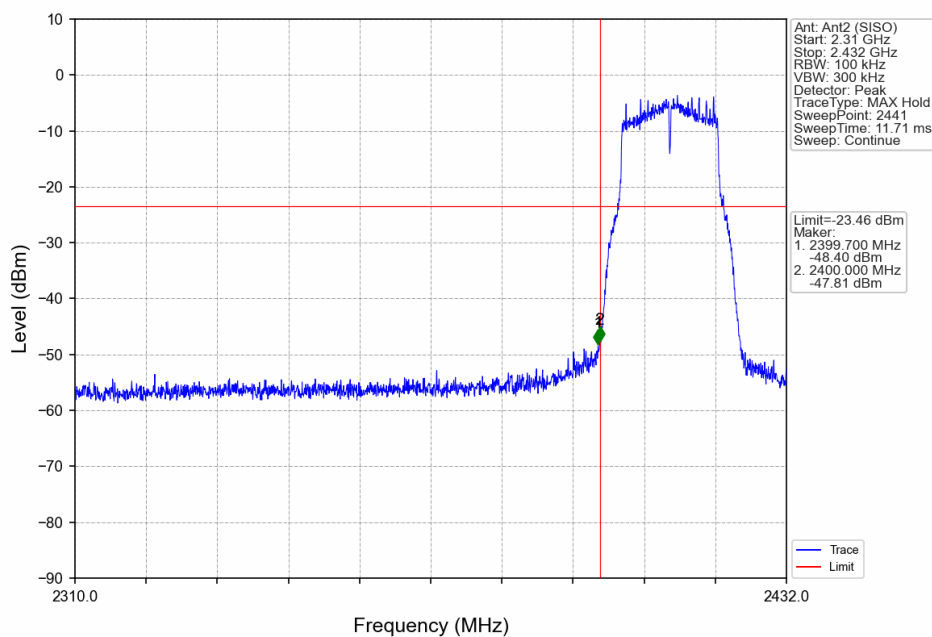


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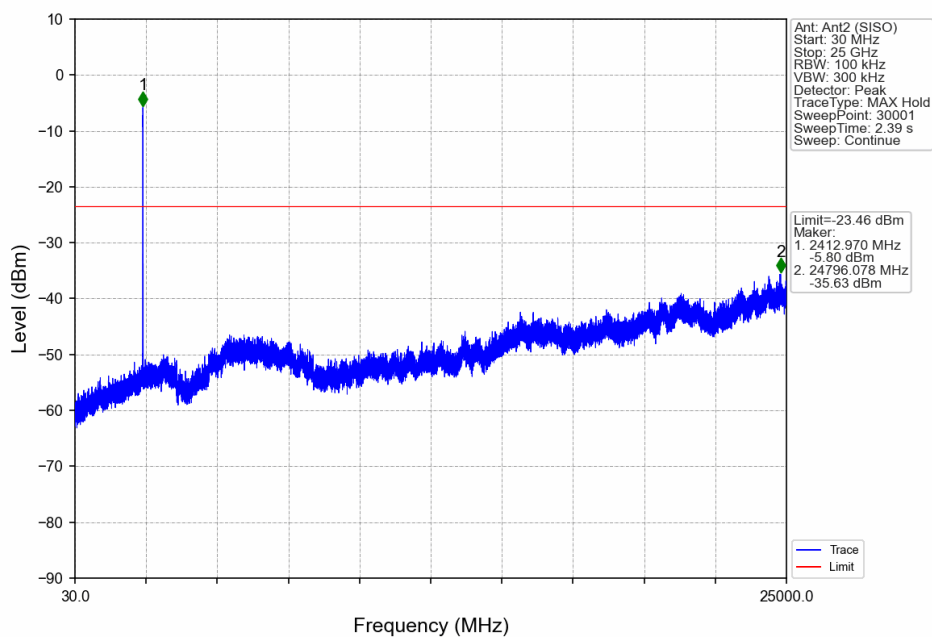
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### 802.11g\_LCH\_2412MHz\_Ant2 (SISO)\_NTNV



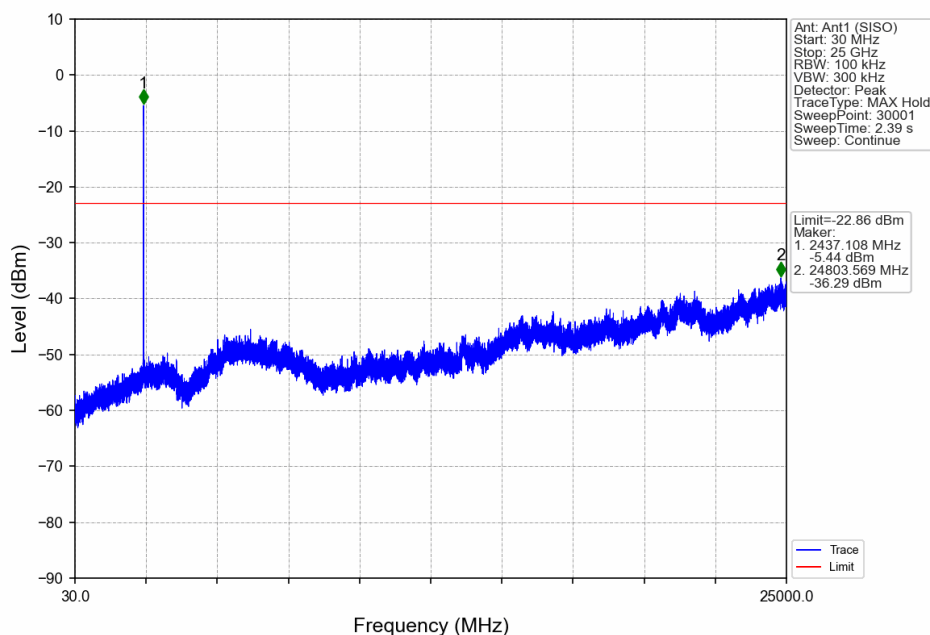
### 802.11g\_LCH\_2412MHz\_Ant2 (SISO)\_NTNV



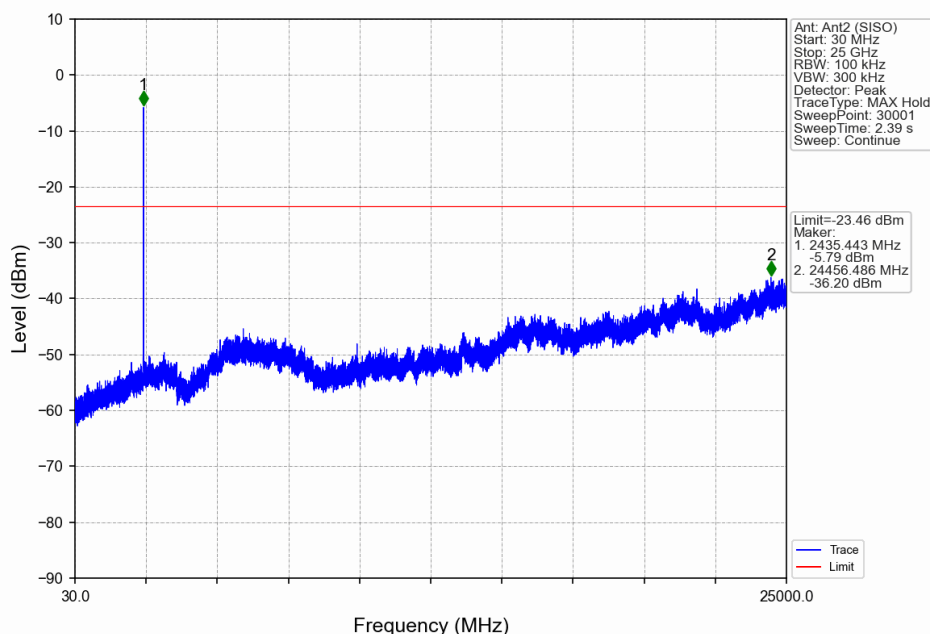
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### 802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV

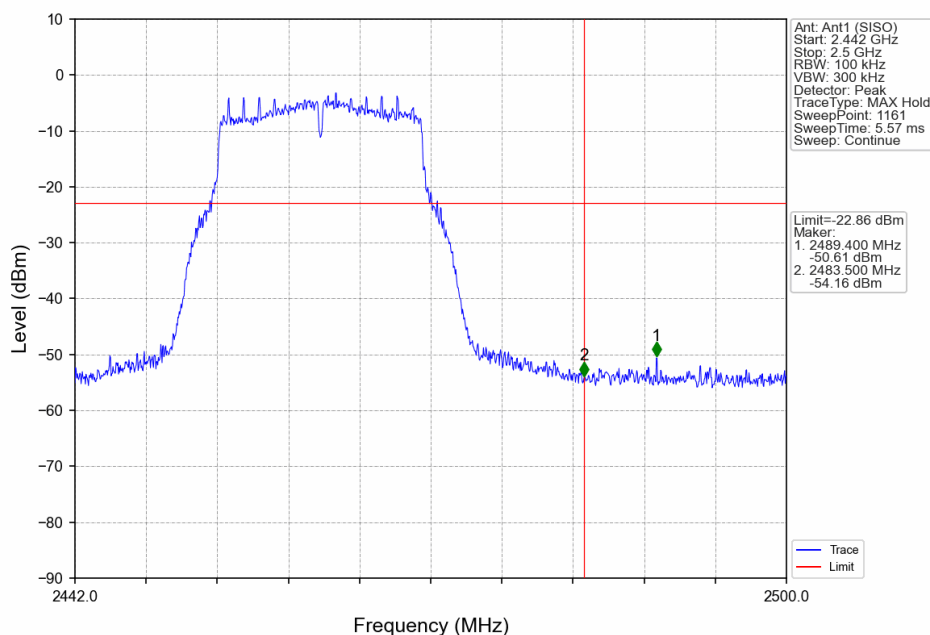


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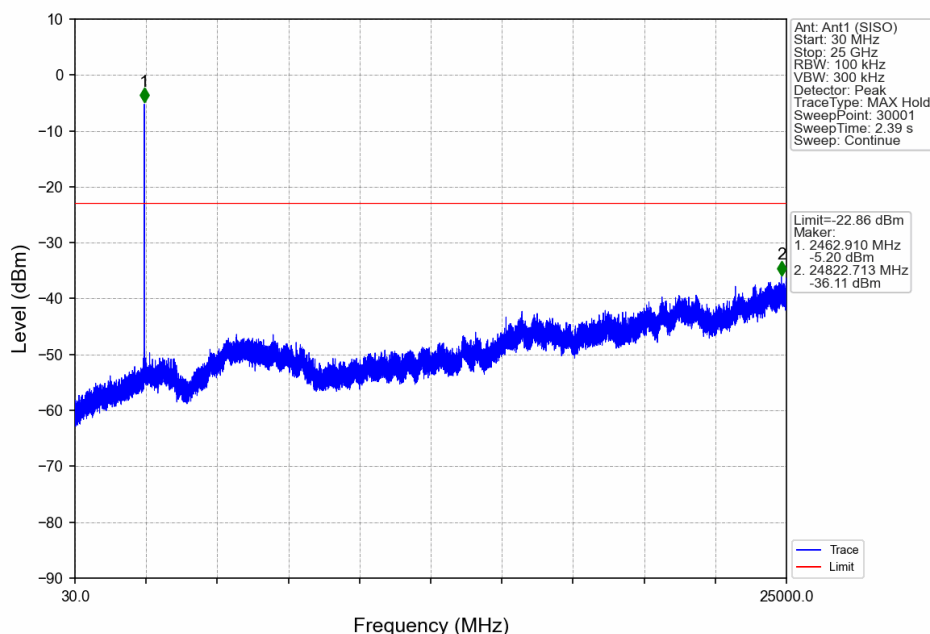


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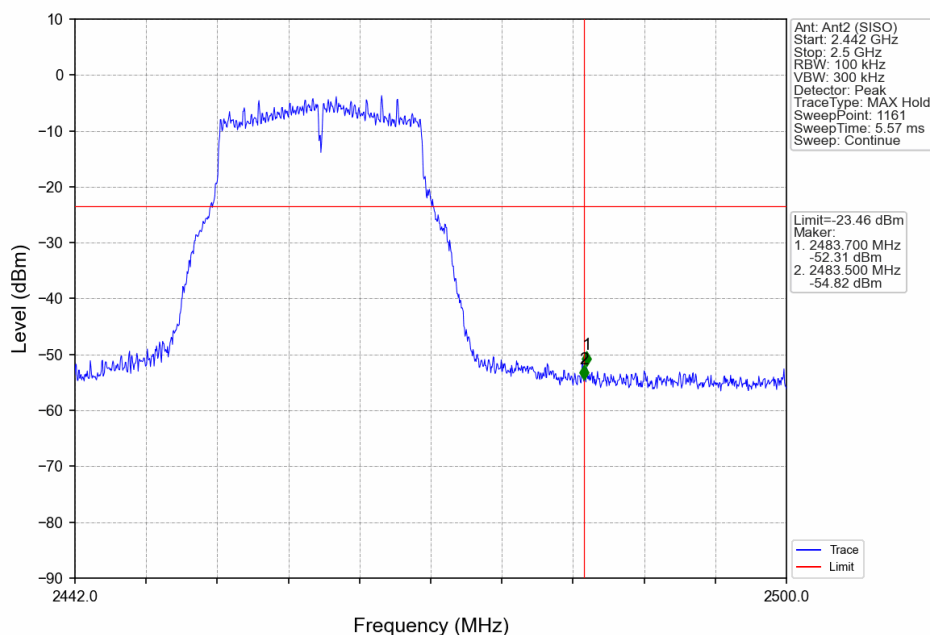
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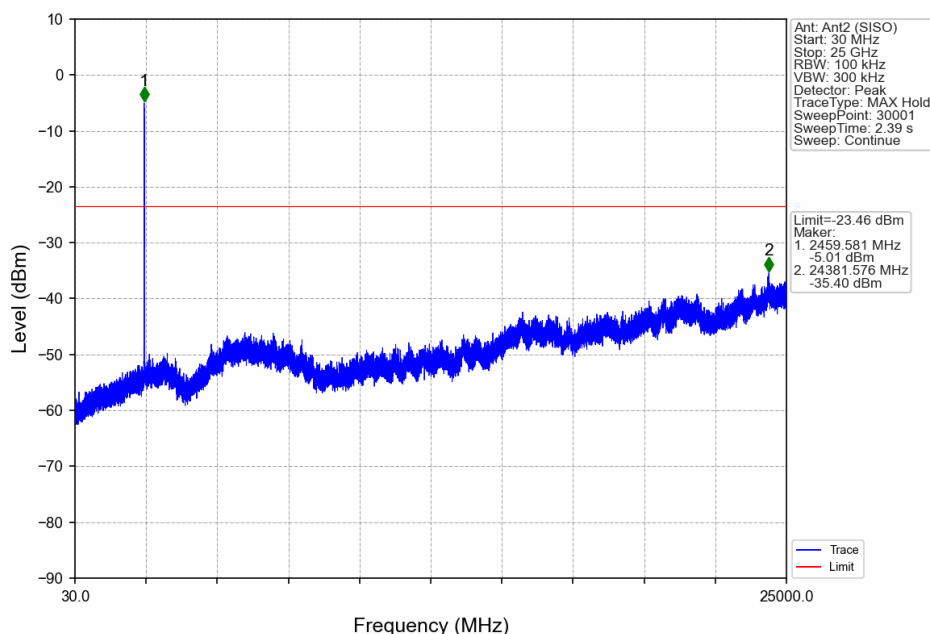
### 802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



802.11g\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV



802.11g\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV

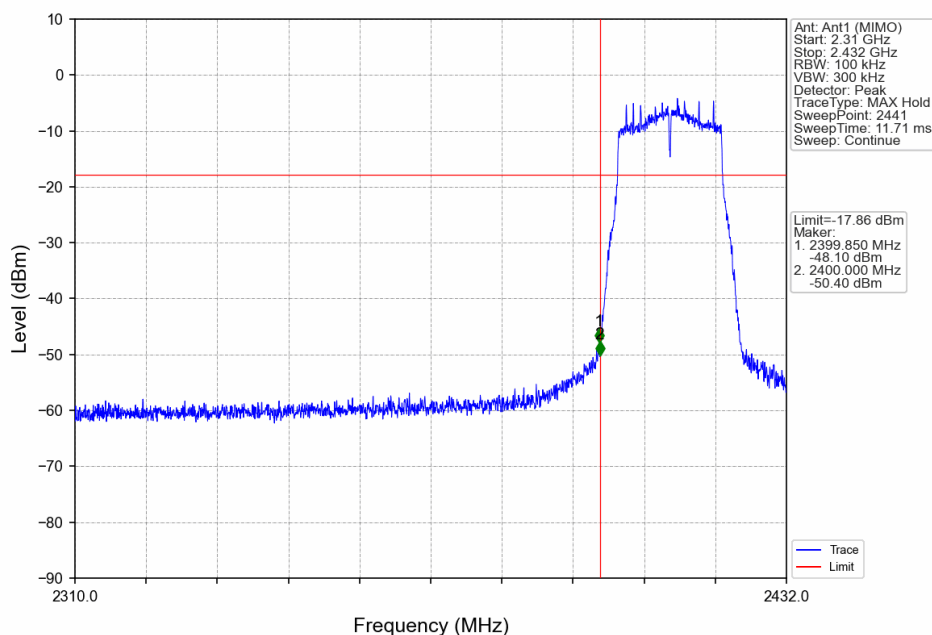


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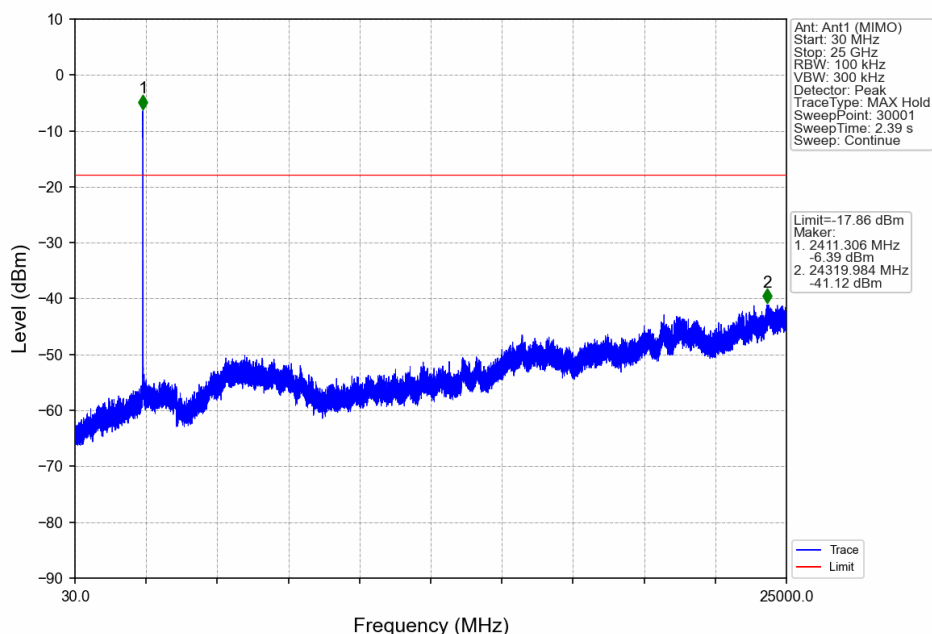
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### 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (MIMO)\_NTNV

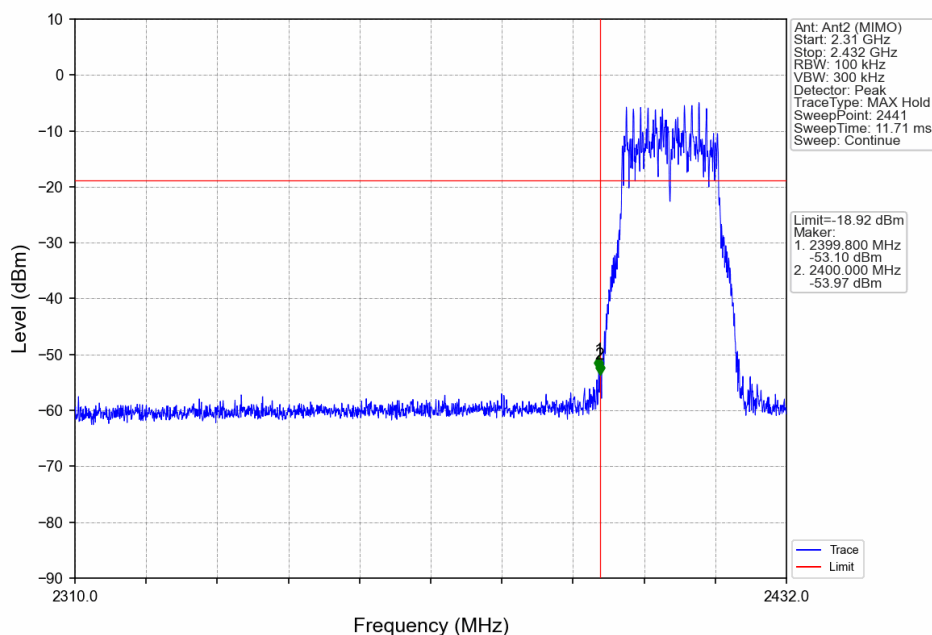


### 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (MIMO)\_NTNV

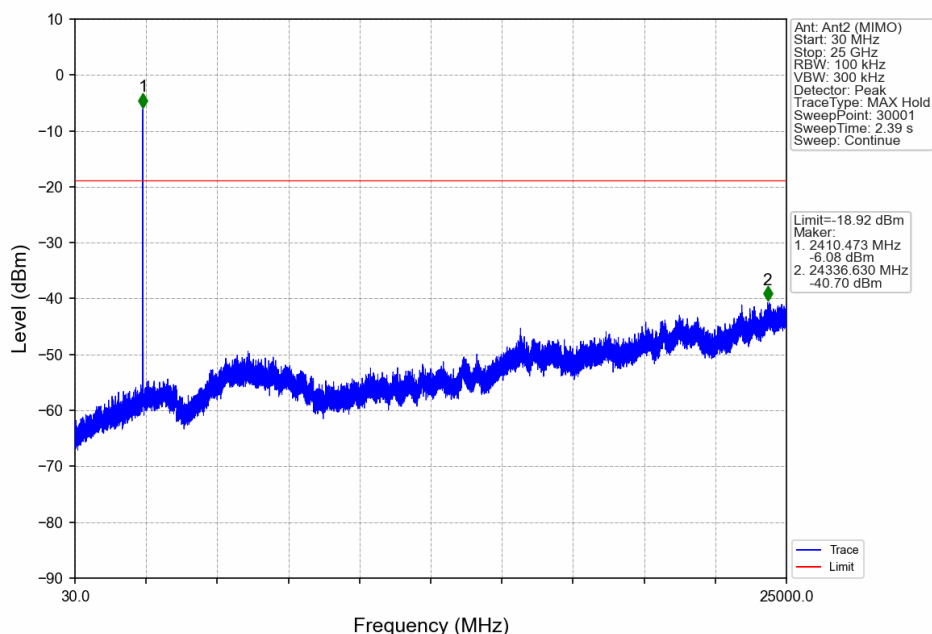


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### 802.11n(HT20)\_LCH\_2412MHz\_Ant2 (MIMO)\_NTNV



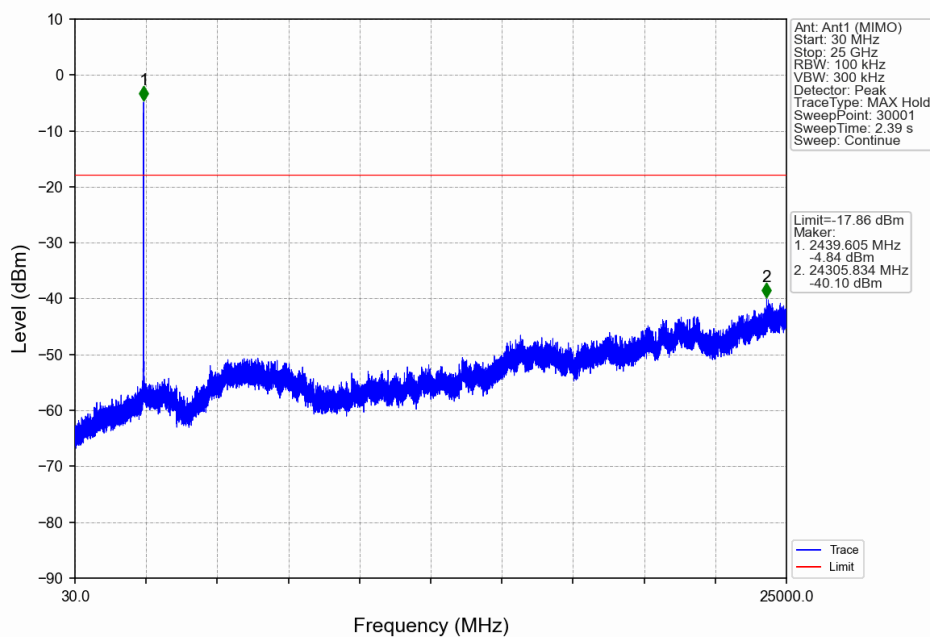
### 802.11n(HT20)\_LCH\_2412MHz\_Ant2 (MIMO)\_NTNV



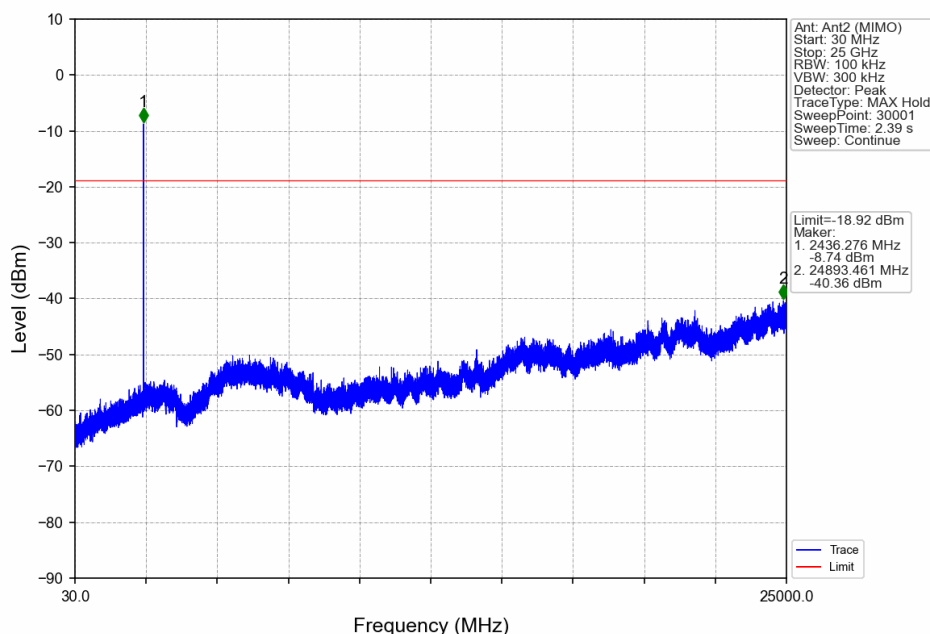
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### 802.11n(HT20)\_MCH\_2437MHz\_Ant1 (MIMO)\_NTNV



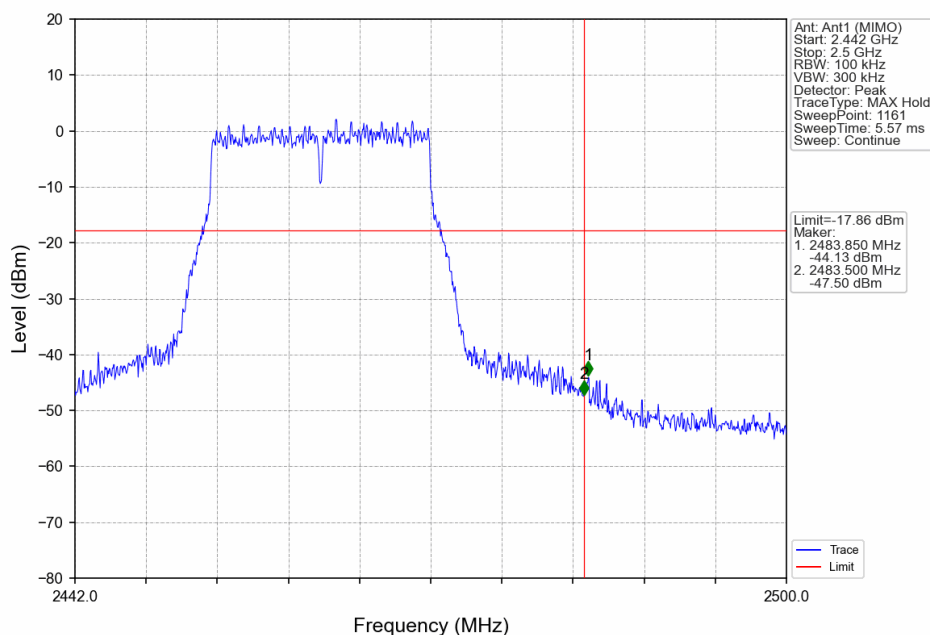
### 802.11n(HT20)\_MCH\_2437MHz\_Ant2 (MIMO)\_NTNV



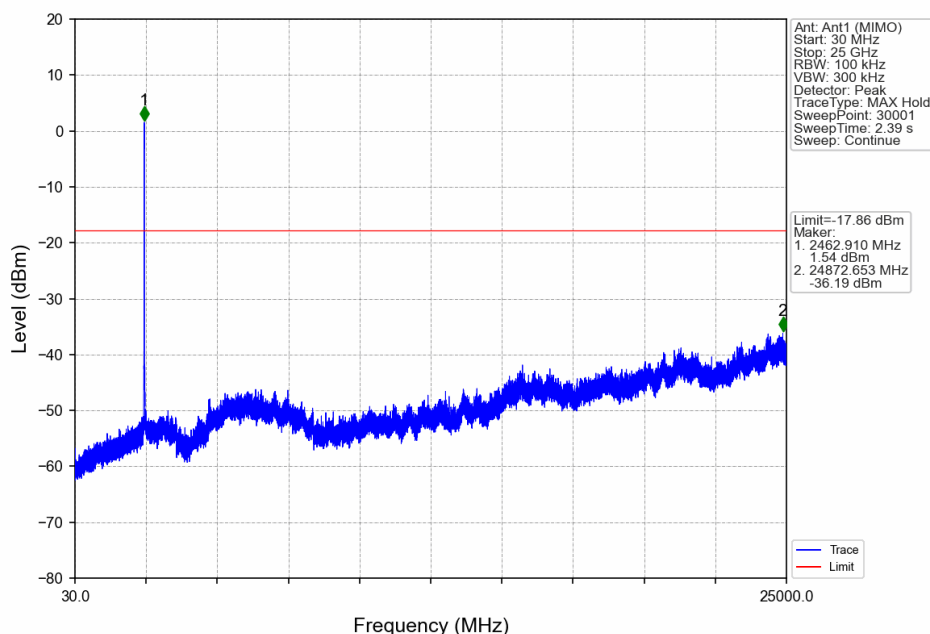
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### 802.11n(HT20)\_HCH\_2462MHz\_Ant1 (MIMO)\_NTNV



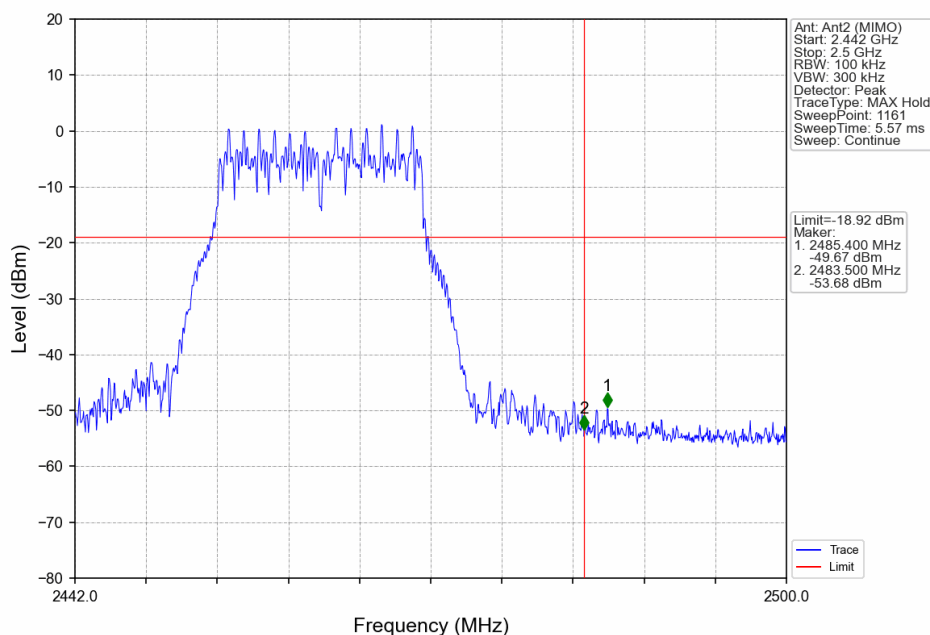
### 802.11n(HT20)\_HCH\_2462MHz\_Ant1 (MIMO)\_NTNV



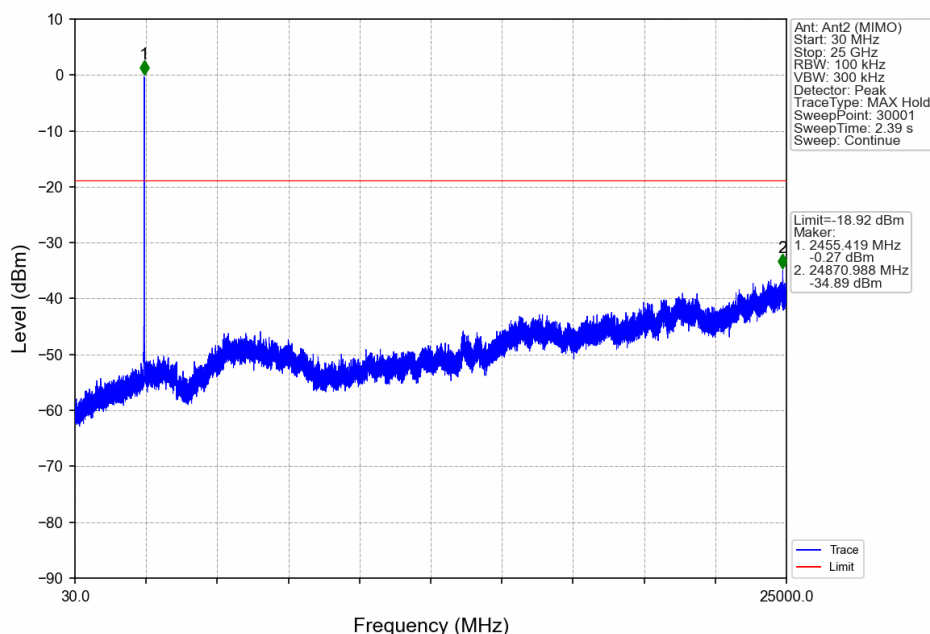
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### 802.11n(HT20)\_HCH\_2462MHz\_Ant2 (MIMO)\_NTNV



### 802.11n(HT20)\_HCH\_2462MHz\_Ant2 (MIMO)\_NTNV



- End of the Report -



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