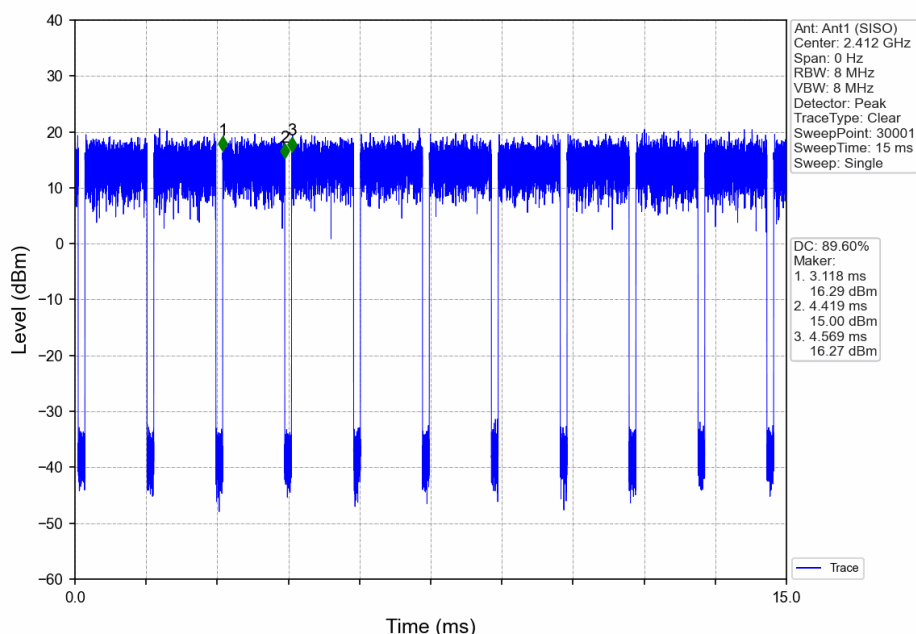
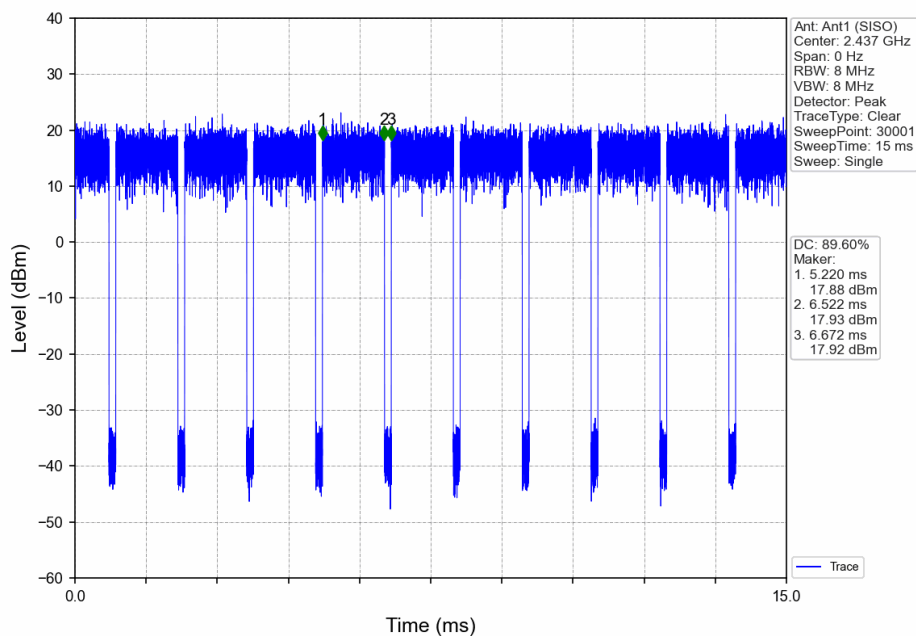


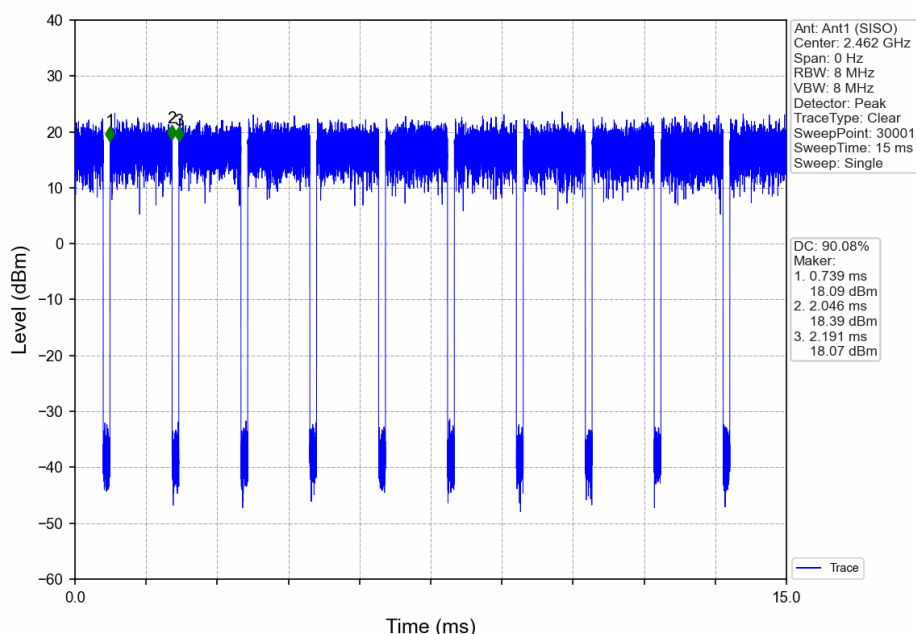
802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



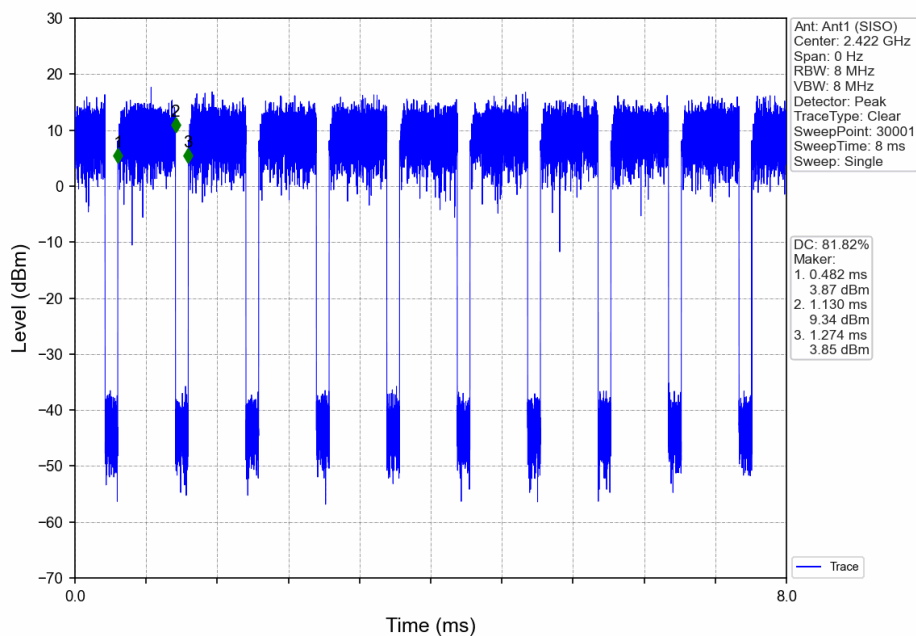
802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



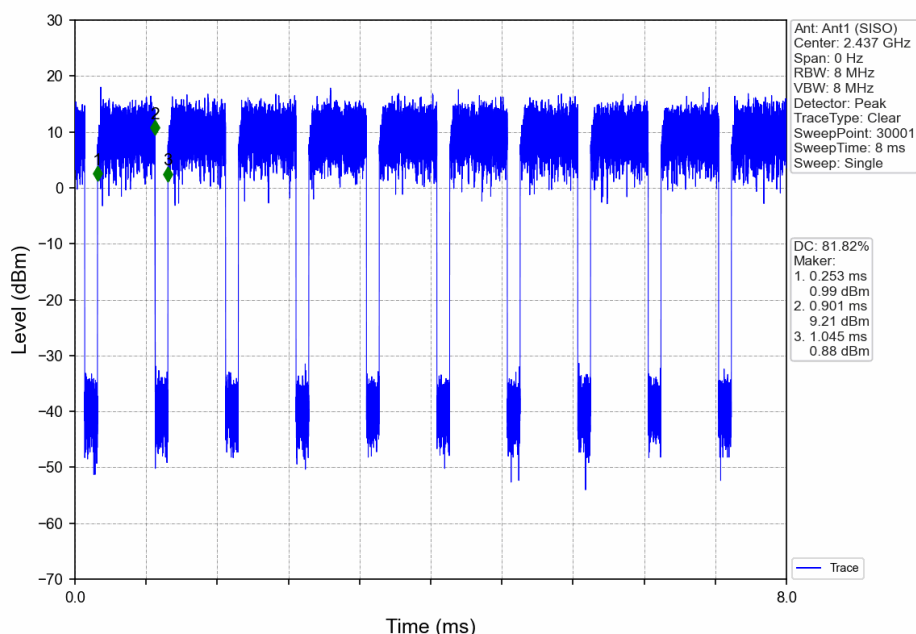
802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



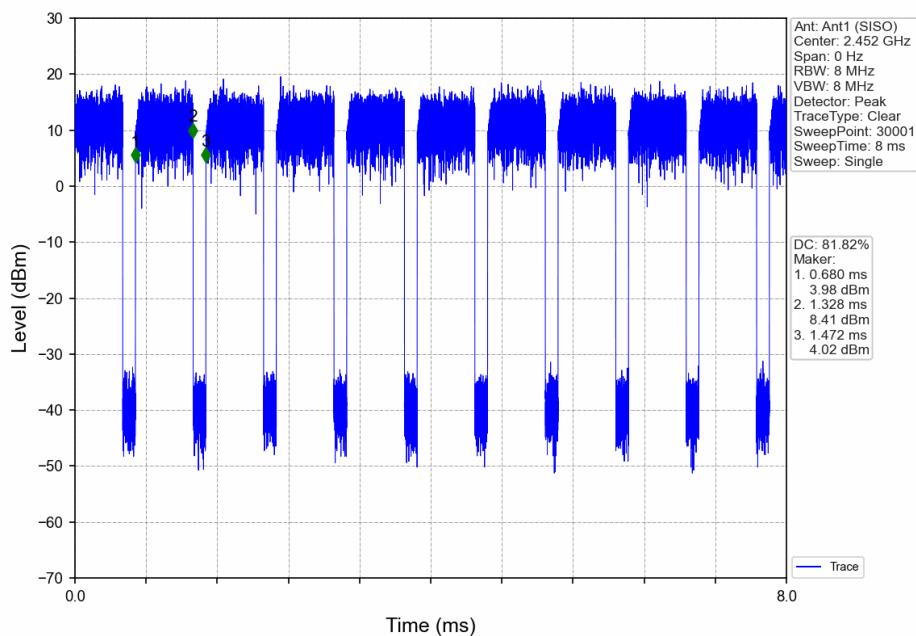
802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



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



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



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## 2. Bandwidth

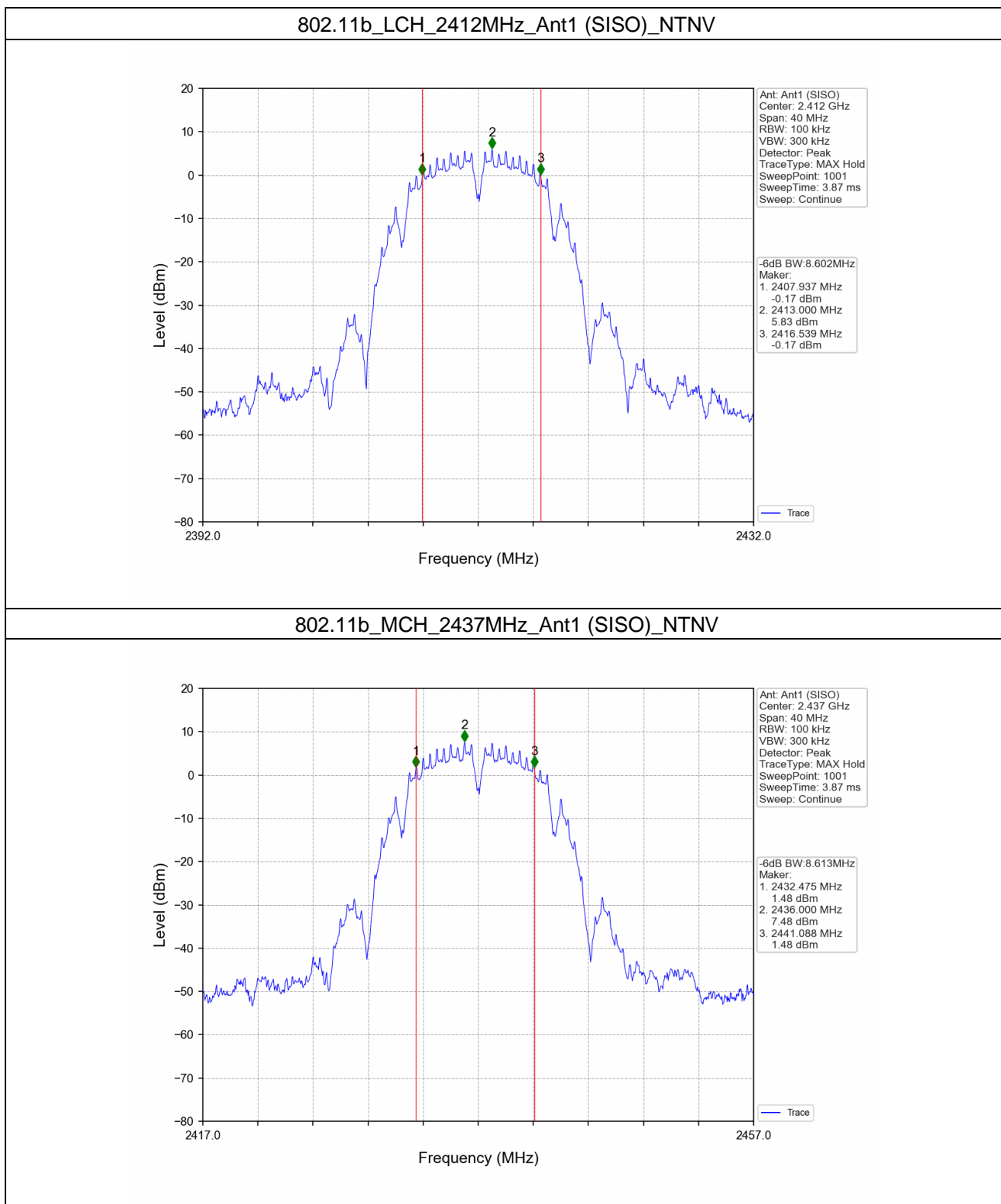
### 2.1 6dB BW

#### 2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	8.602	$\geq 0.5$	Pass
		2437	1	8.613	$\geq 0.5$	Pass
		2462	1	9.063	$\geq 0.5$	Pass
802.11g	SISO	2412	1	16.145	$\geq 0.5$	Pass
		2437	1	16.354	$\geq 0.5$	Pass
		2462	1	16.355	$\geq 0.5$	Pass
802.11n (HT20)	SISO	2412	1	17.174	$\geq 0.5$	Pass
		2437	1	17.101	$\geq 0.5$	Pass
		2462	1	17.307	$\geq 0.5$	Pass
802.11n (HT40)	SISO	2422	1	35.757	$\geq 0.5$	Pass
		2437	1	36.012	$\geq 0.5$	Pass
		2452	1	35.744	$\geq 0.5$	Pass



### 2.1.2 Test Graph

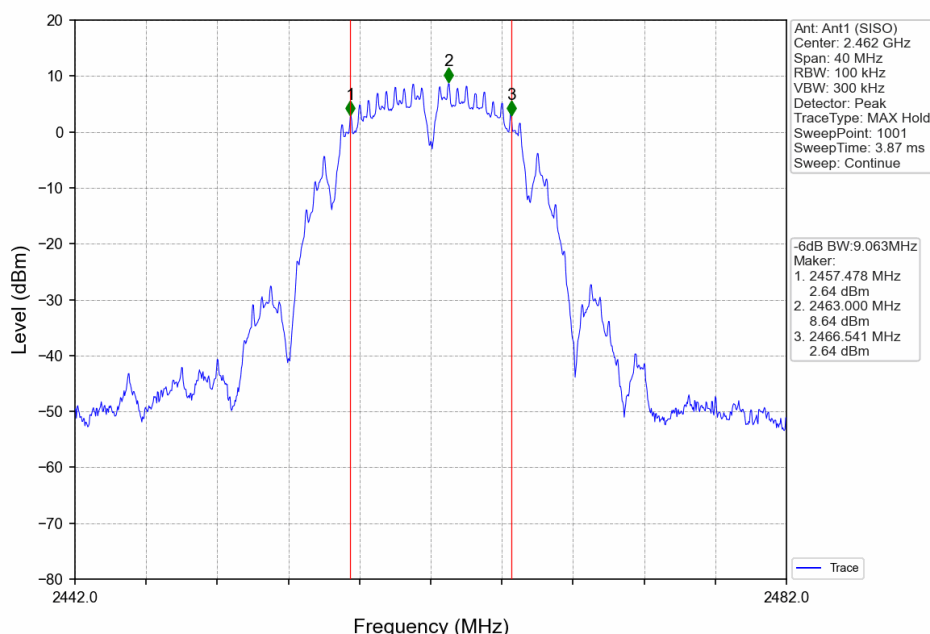


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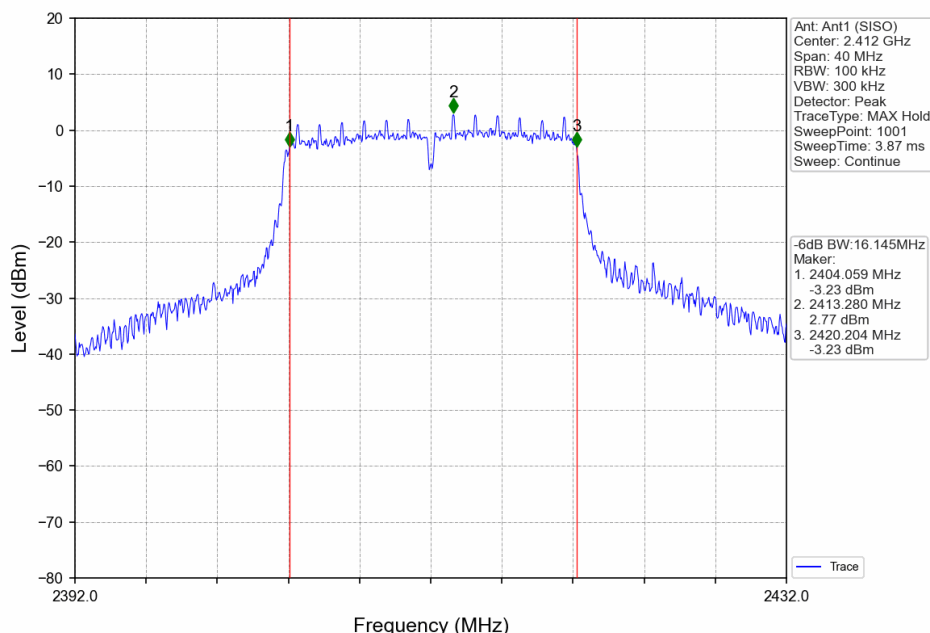
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### 802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



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



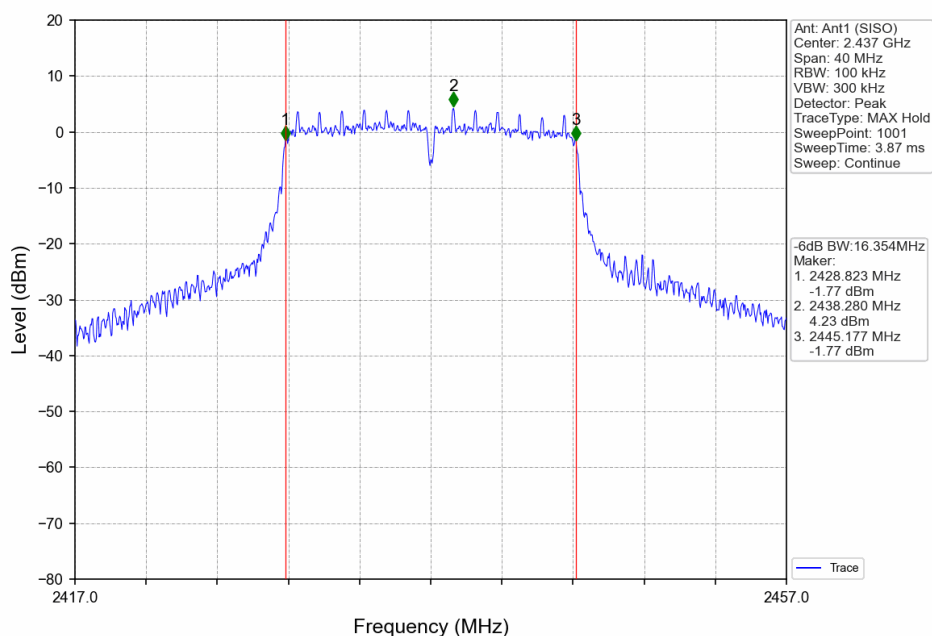
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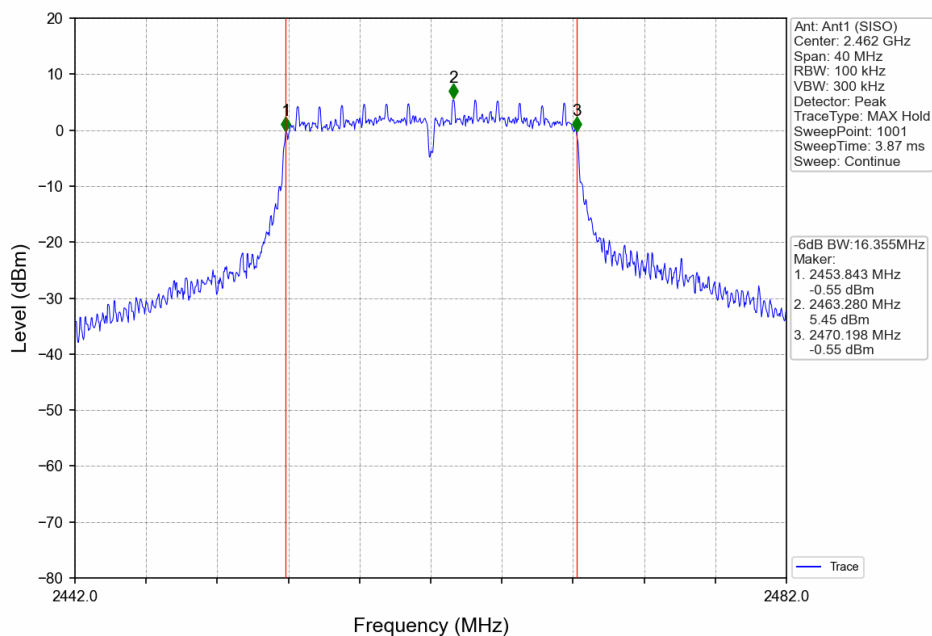
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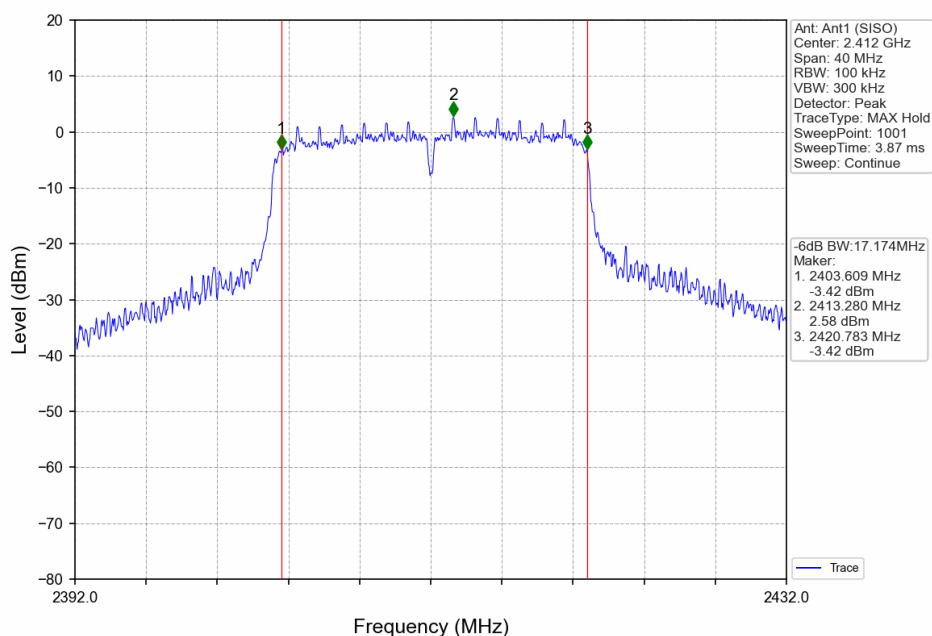
802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



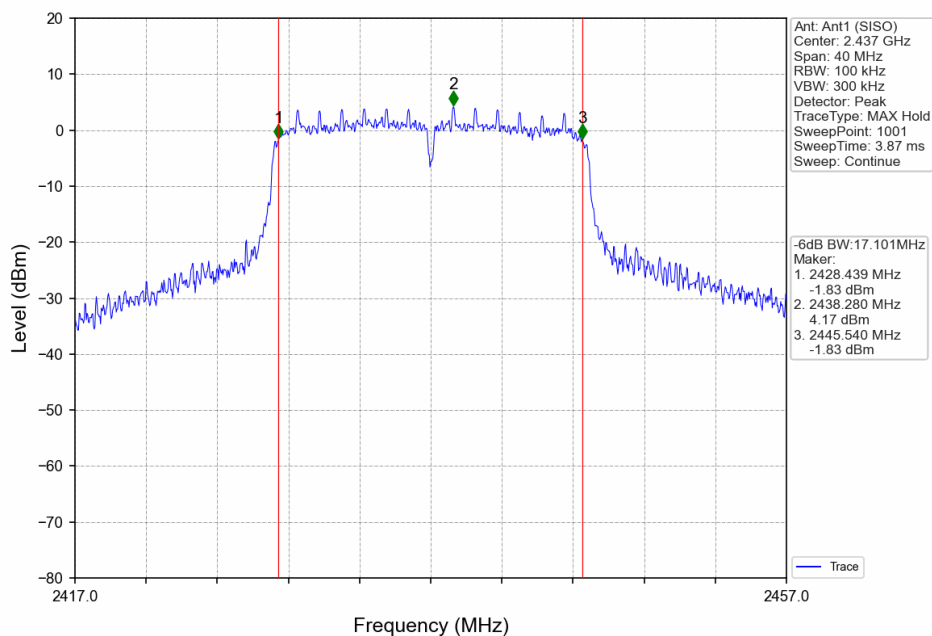
802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



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

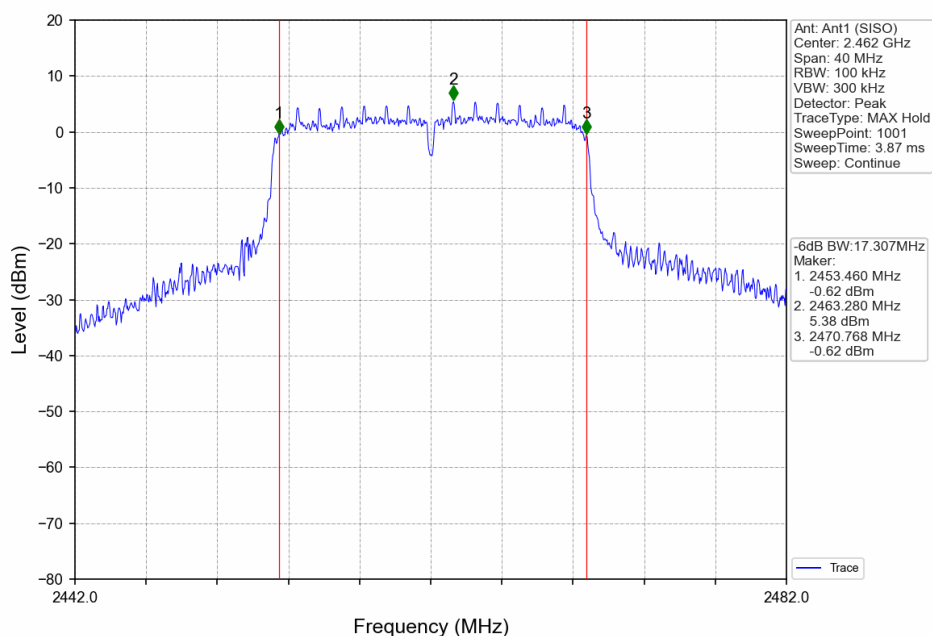


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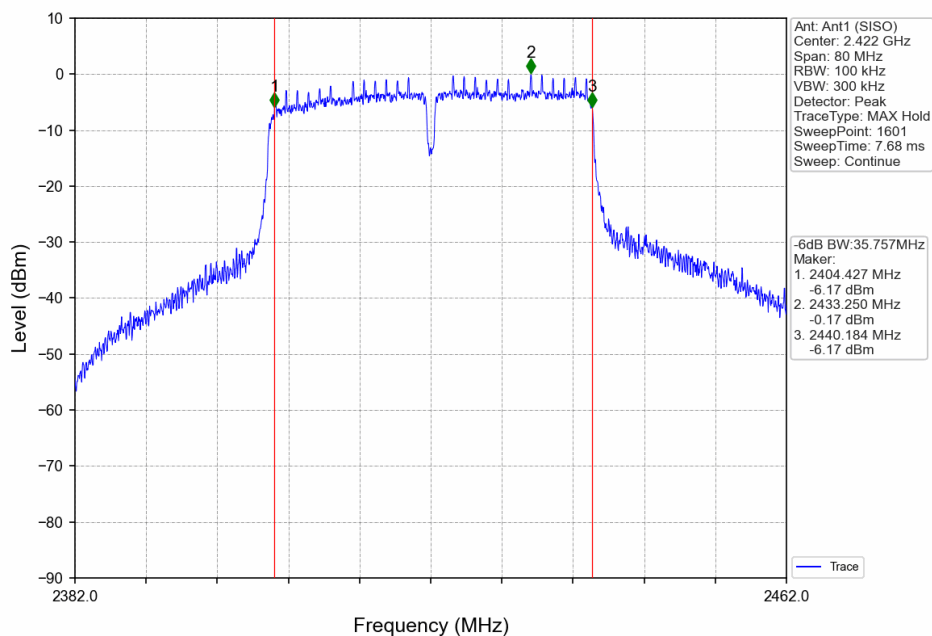




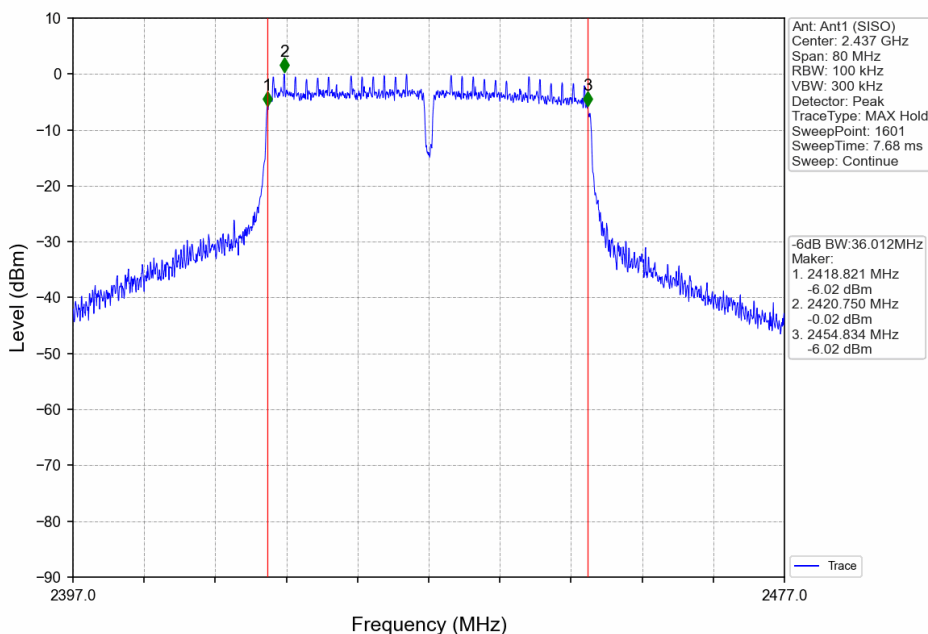
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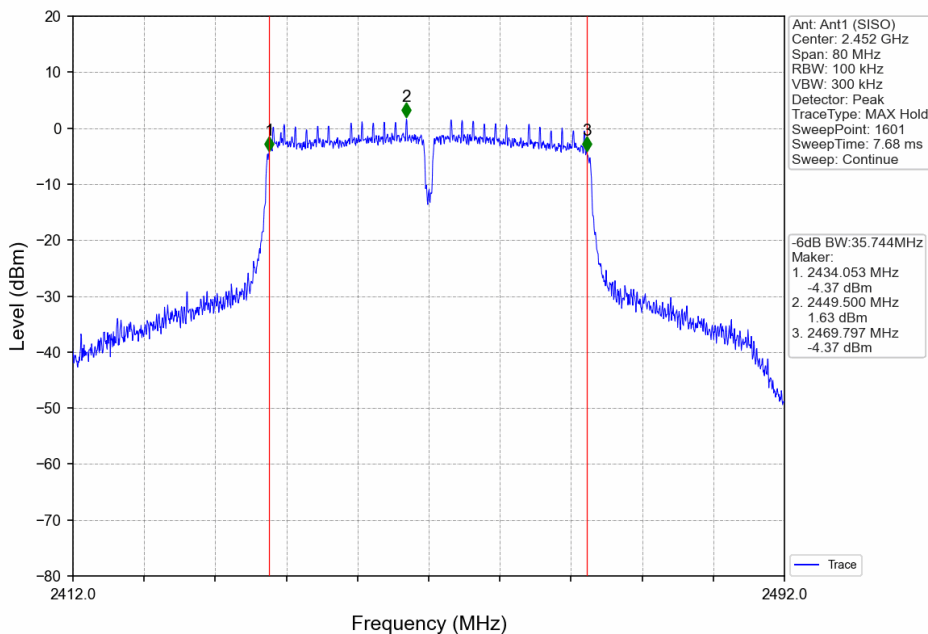
802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



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



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



**3. Maximum Conducted Output Power****3.1 Power****3.1.1 Test Result**

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			Ant1	Limit	
802.11b	SISO	2412	14.41	<=30	Pass
		2437	14.21	<=30	Pass
		2462	14.44	<=30	Pass
802.11g	SISO	2412	19.30	<=30	Pass
		2437	19.01	<=30	Pass
		2462	19.19	<=30	Pass
802.11n (HT20)	SISO	2412	19.60	<=30	Pass
		2437	19.26	<=30	Pass
		2462	19.49	<=30	Pass
802.11n (HT40)	SISO	2422	18.62	<=30	Pass
		2437	18.36	<=30	Pass
		2452	18.74	<=30	Pass

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			Ant1	Limit	
802.11b	SISO	2412	13.86	<=30	Pass
		2437	13.60	<=30	Pass
		2462	13.79	<=30	Pass
802.11g	SISO	2412	13.37	<=30	Pass
		2437	13.09	<=30	Pass
		2462	13.24	<=30	Pass
802.11n (HT20)	SISO	2412	13.59	<=30	Pass
		2437	13.27	<=30	Pass
		2462	13.54	<=30	Pass
802.11n (HT40)	SISO	2422	12.57	<=30	Pass
		2437	12.29	<=30	Pass
		2452	12.67	<=30	Pass

## 4. Maximum Power Spectral Density

### 4.1 PSD

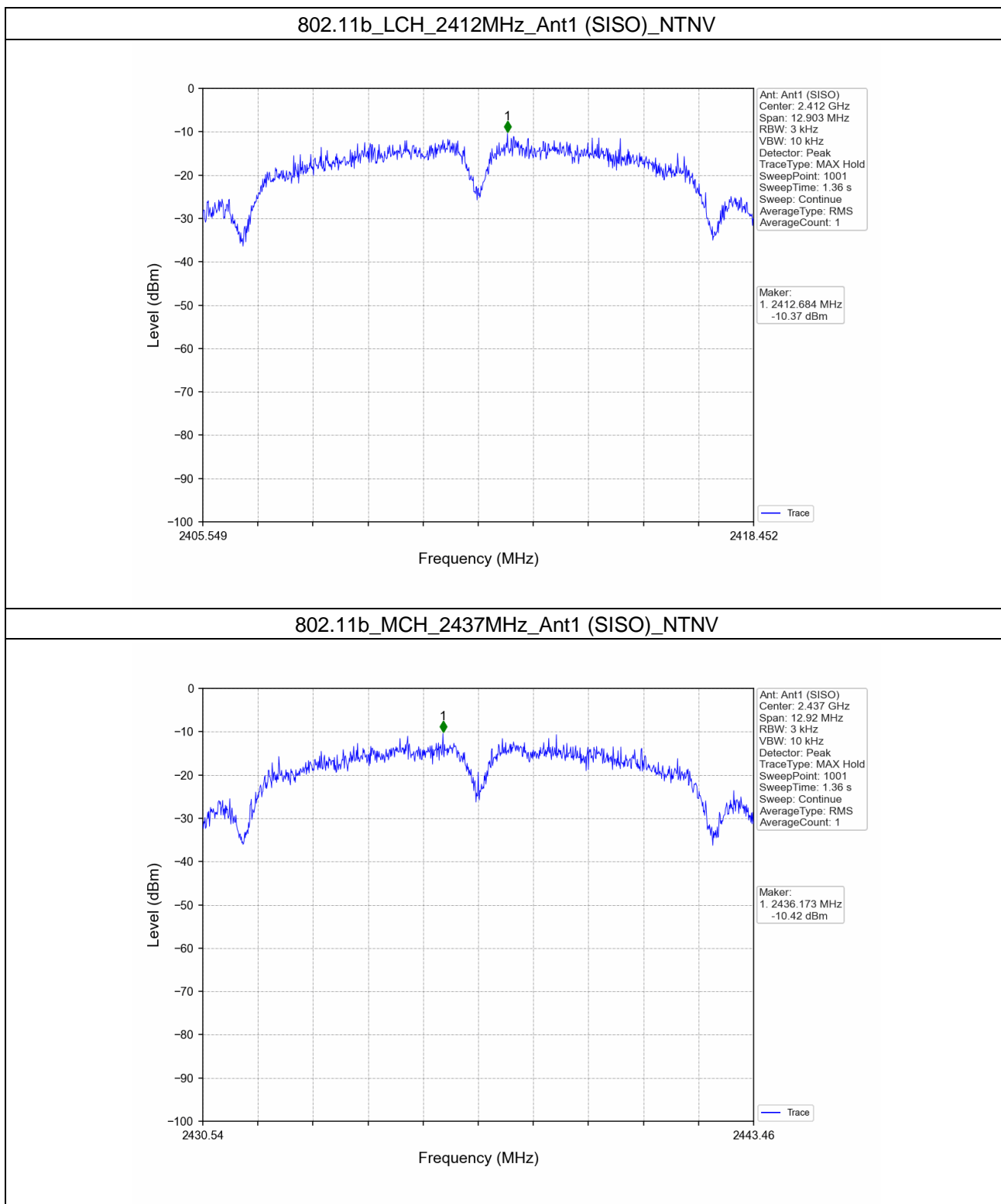
#### 4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			Ant1	Limit	
802.11b	SISO	2412	-10.37	<=8	Pass
		2437	-10.42	<=8	Pass
		2462	-10.26	<=8	Pass
802.11g	SISO	2412	-14.36	<=8	Pass
		2437	-14.74	<=8	Pass
		2462	-14.44	<=8	Pass
802.11n (HT20)	SISO	2412	-13.70	<=8	Pass
		2437	-14.59	<=8	Pass
		2462	-12.55	<=8	Pass
802.11n (HT40)	SISO	2422	-17.83	<=8	Pass
		2437	-17.34	<=8	Pass
		2452	-16.74	<=8	Pass

Note1: Antenna Gain: Ant1: 2.40dBi;



### 4.1.2 Test Graph

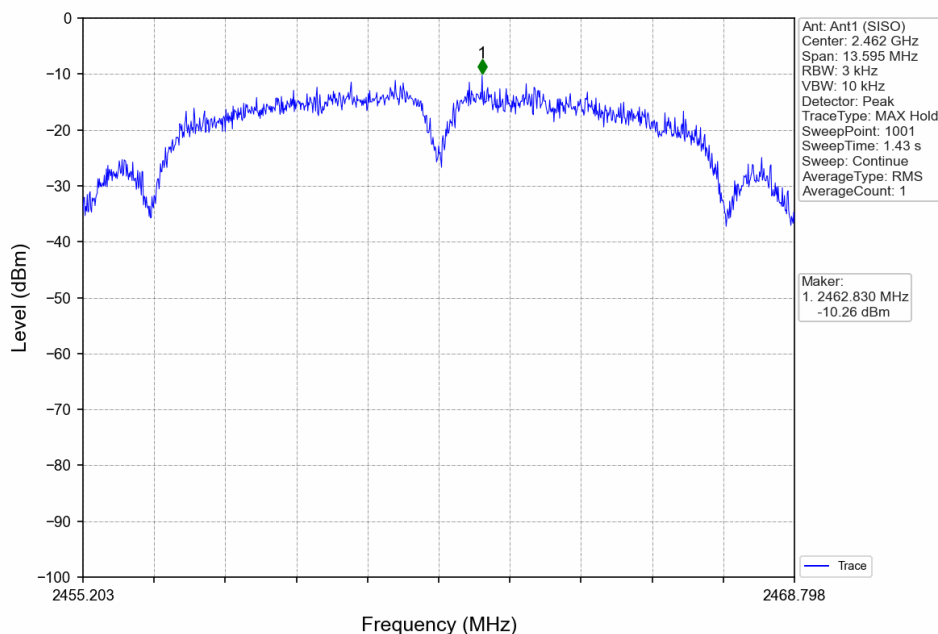


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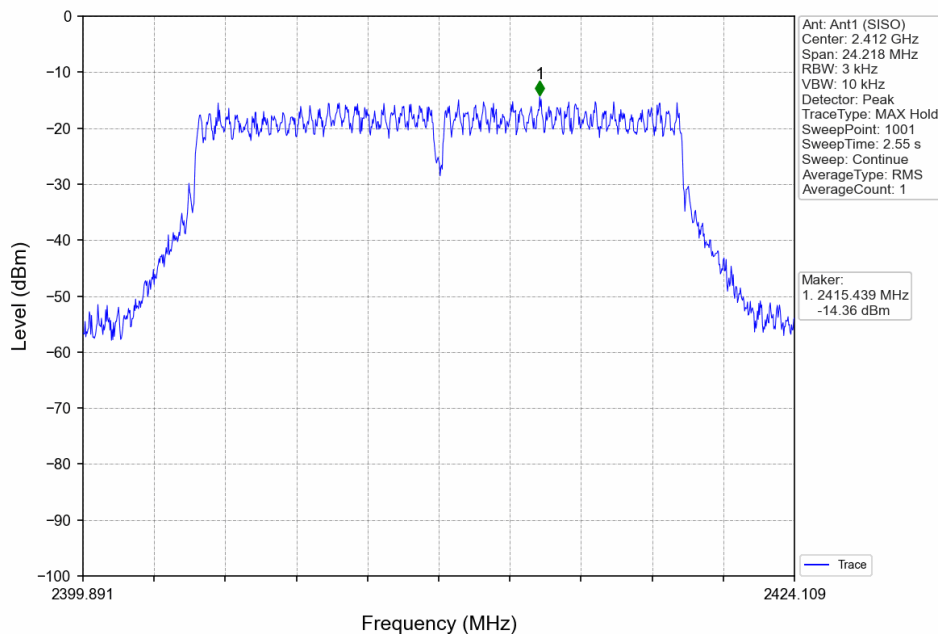
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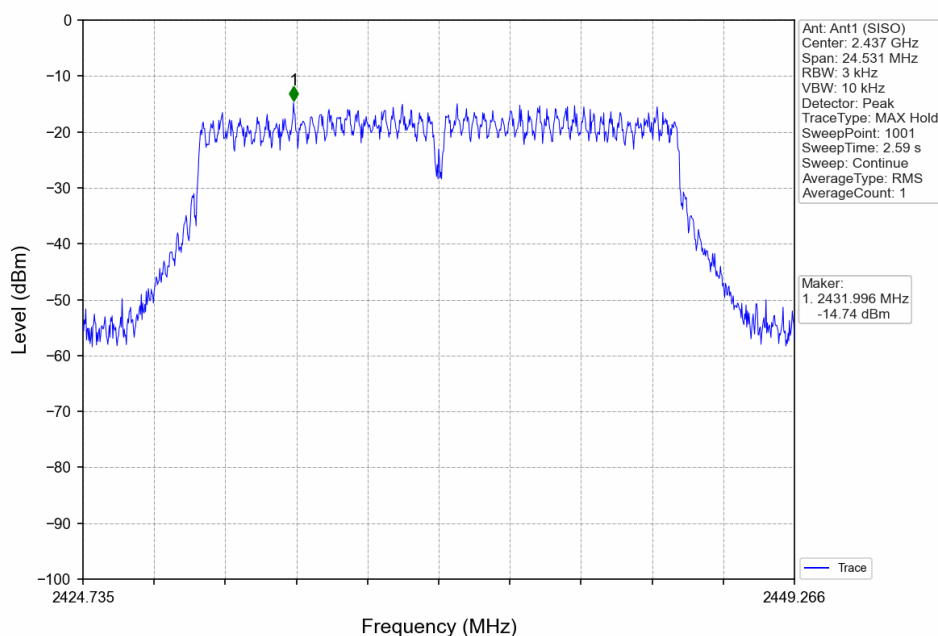
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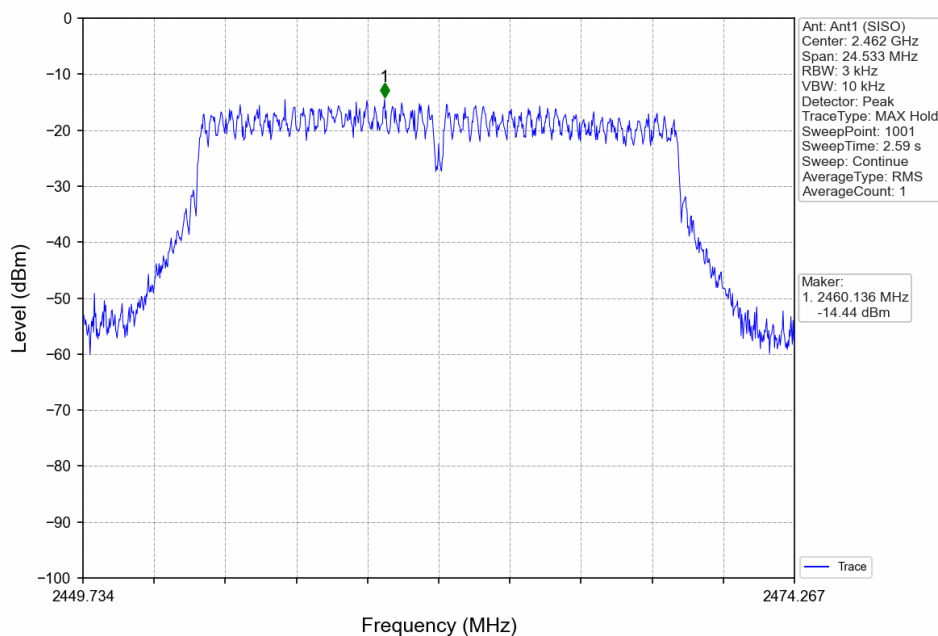
802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



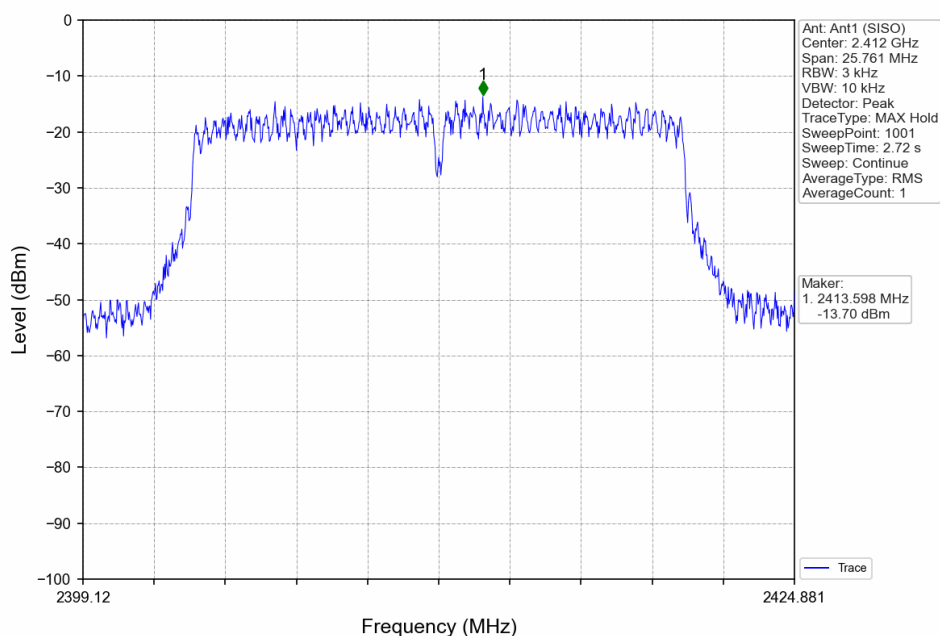
802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



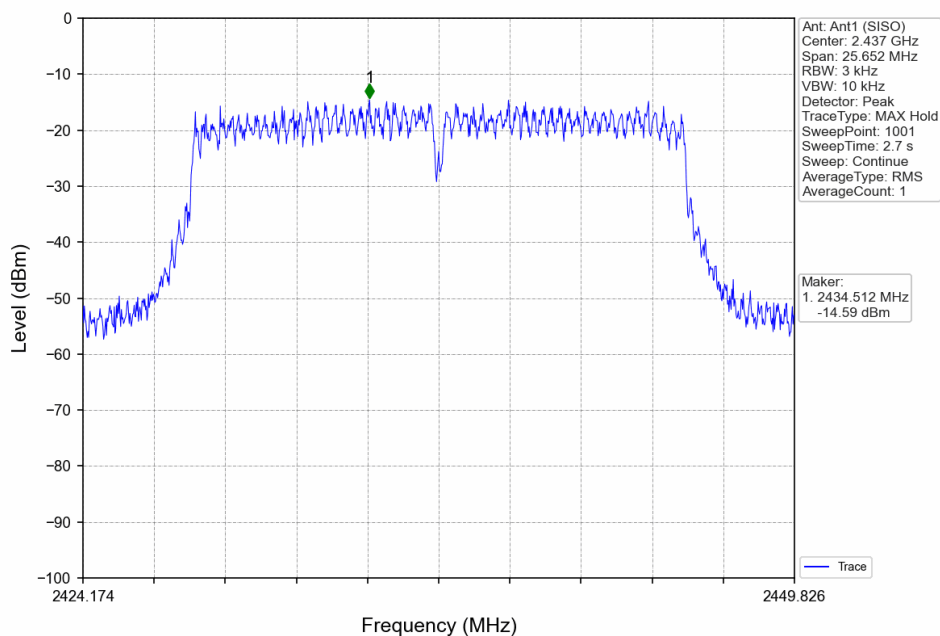
802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



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



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

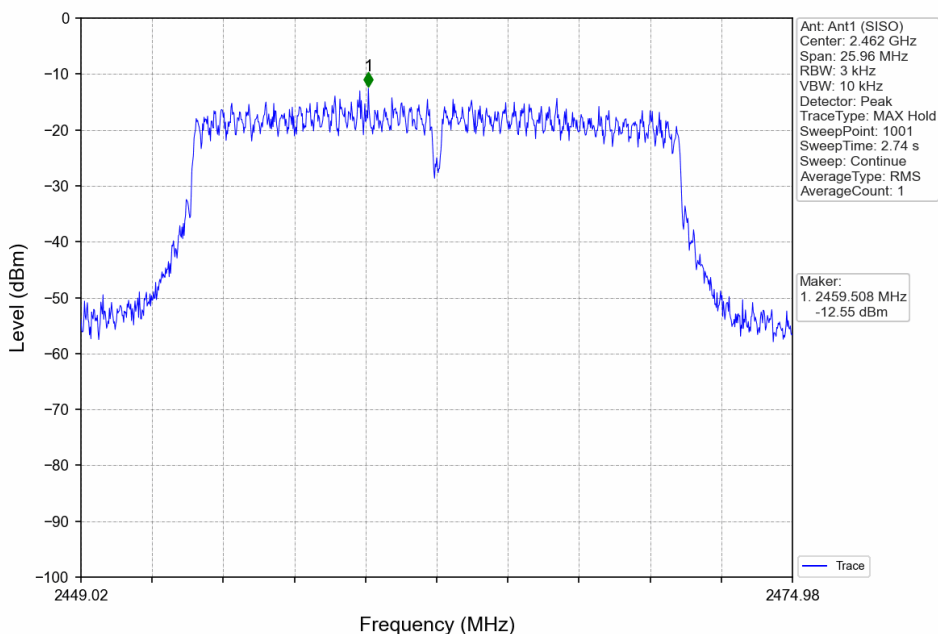


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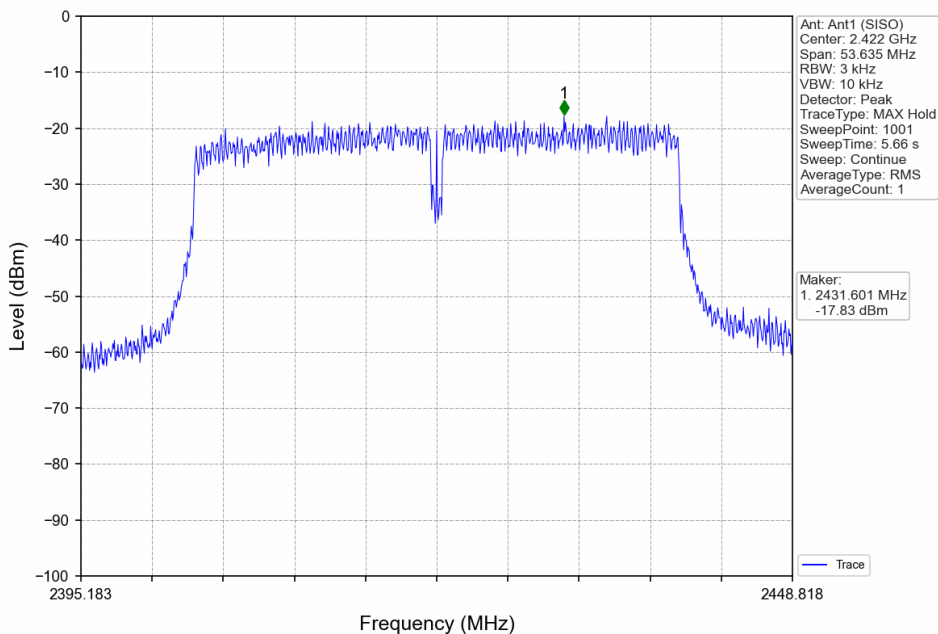
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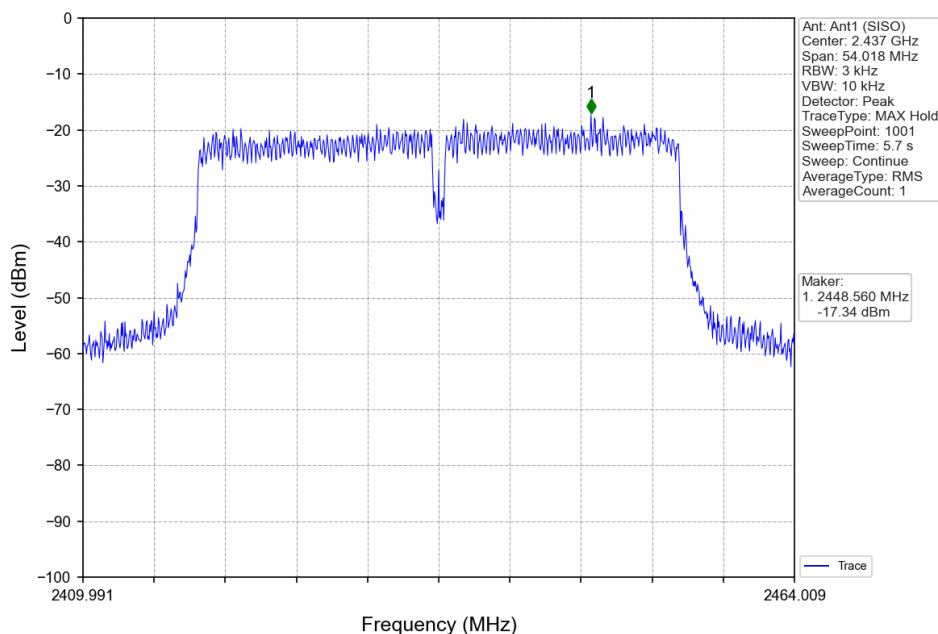
802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



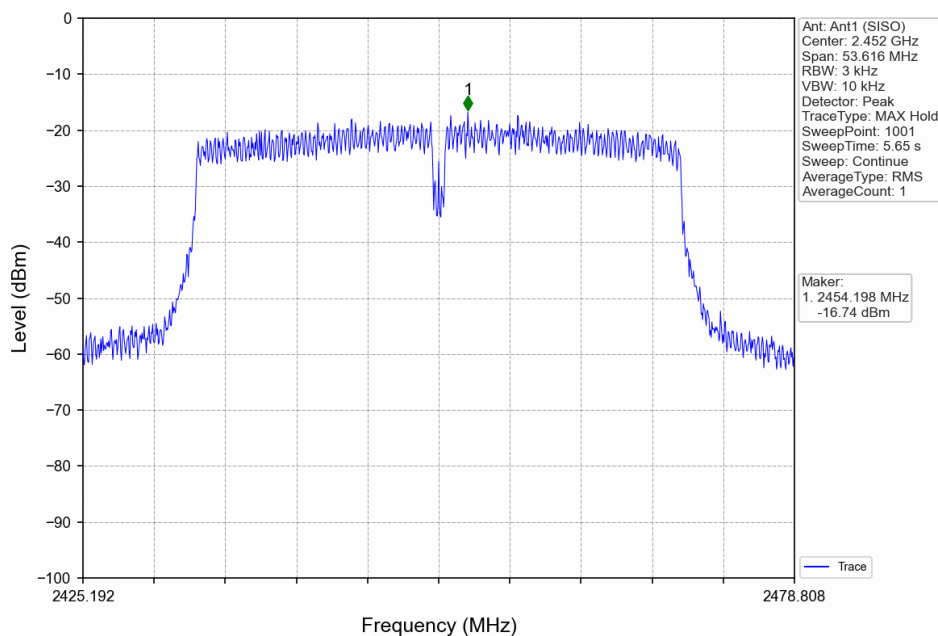
802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



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



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



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

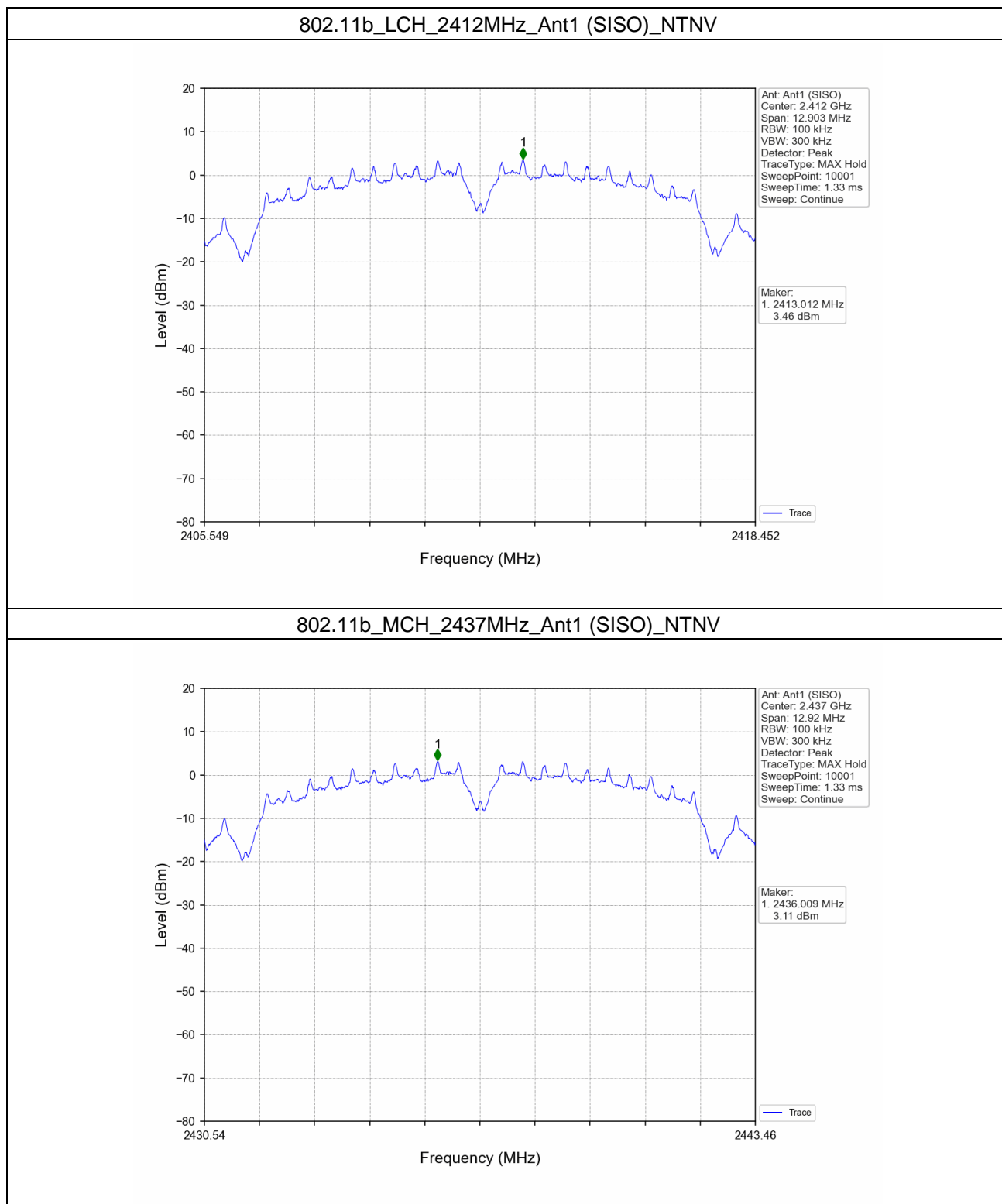
### 5.1 Ref

#### 5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)
802.11b	SISO	2412	1	3.46
		2437	1	3.11
		2462	1	3.44
802.11g	SISO	2412	1	0.16
		2437	1	0.05
		2462	1	0.17
802.11n (HT20)	SISO	2412	1	0.35
		2437	1	-0.24
		2462	1	0.10
802.11n (HT40)	SISO	2422	1	-3.21
		2437	1	-3.89
		2452	1	-3.19

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

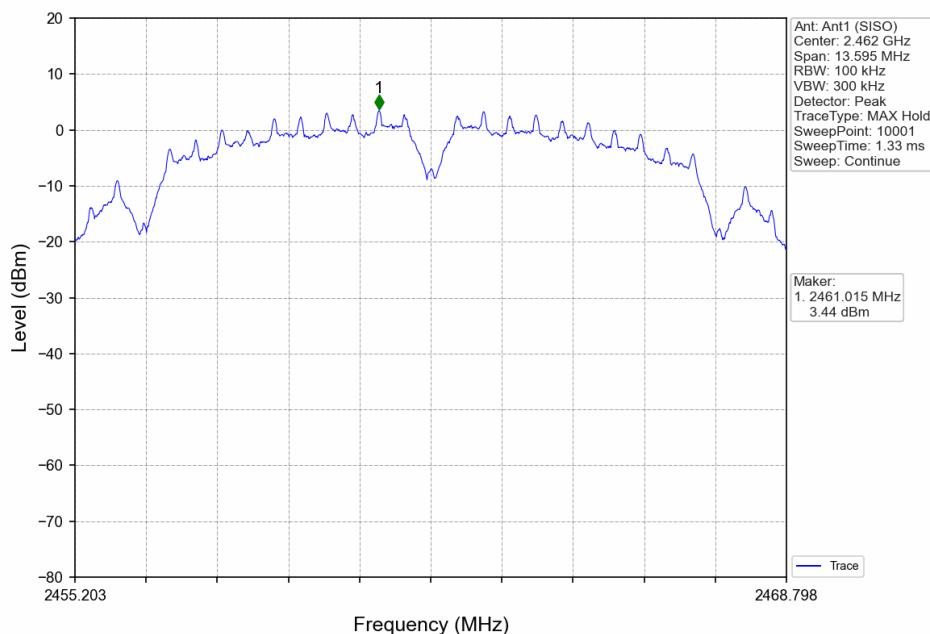


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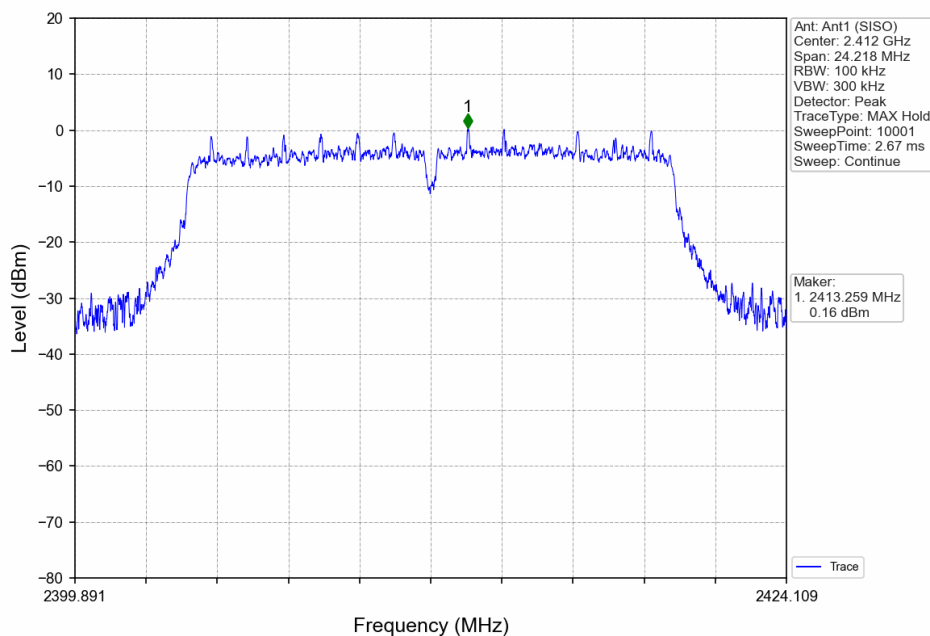
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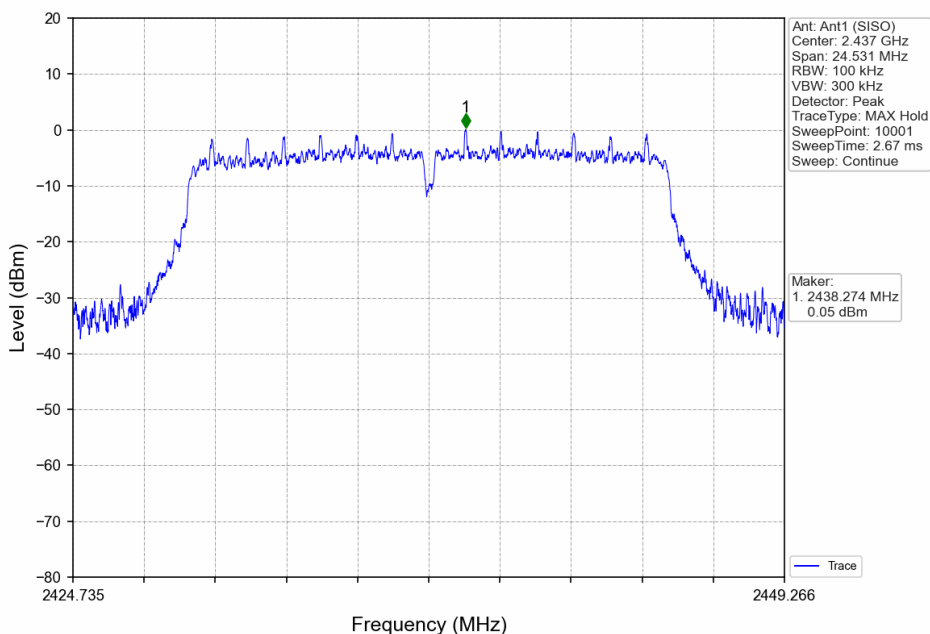
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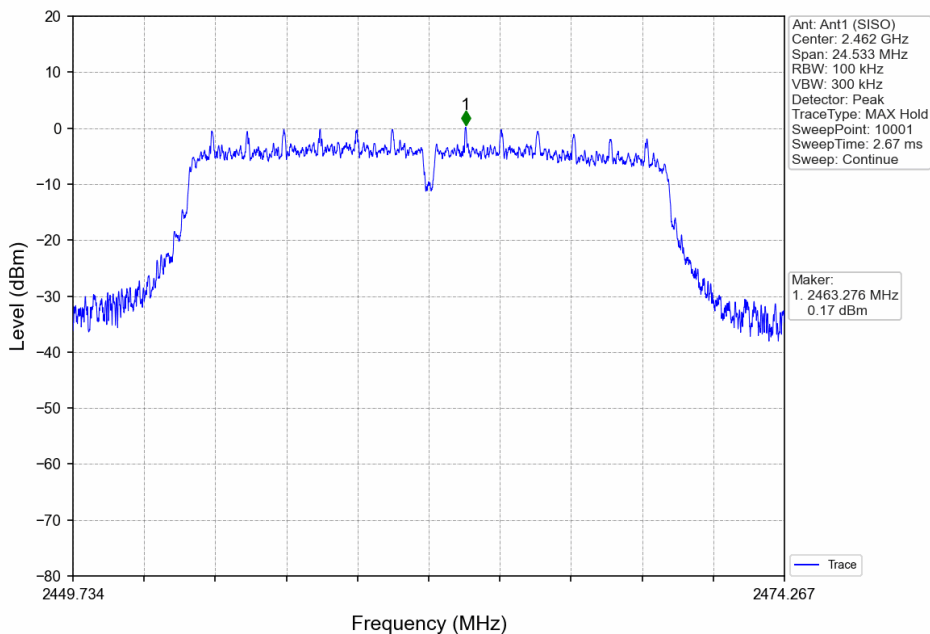
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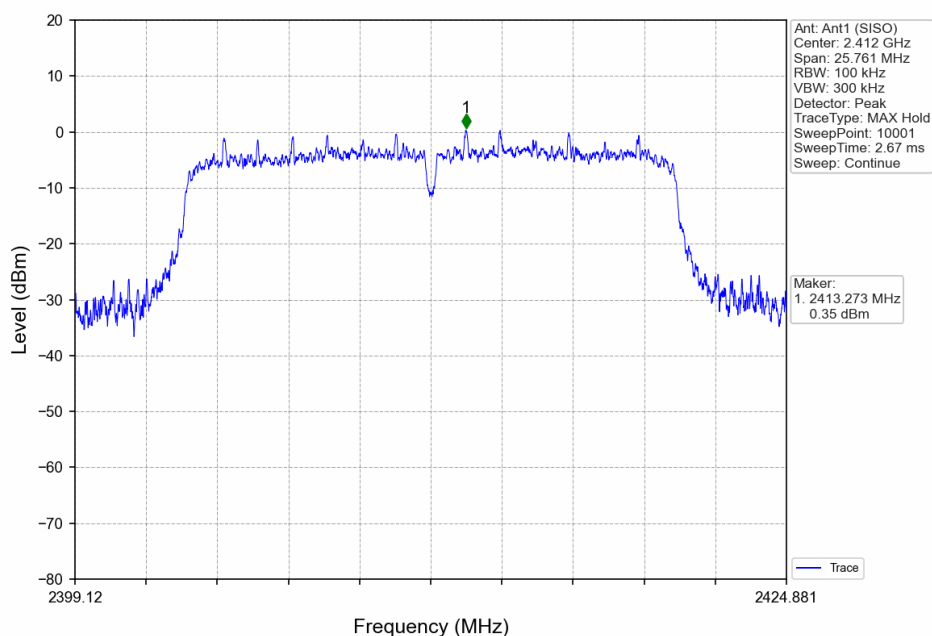
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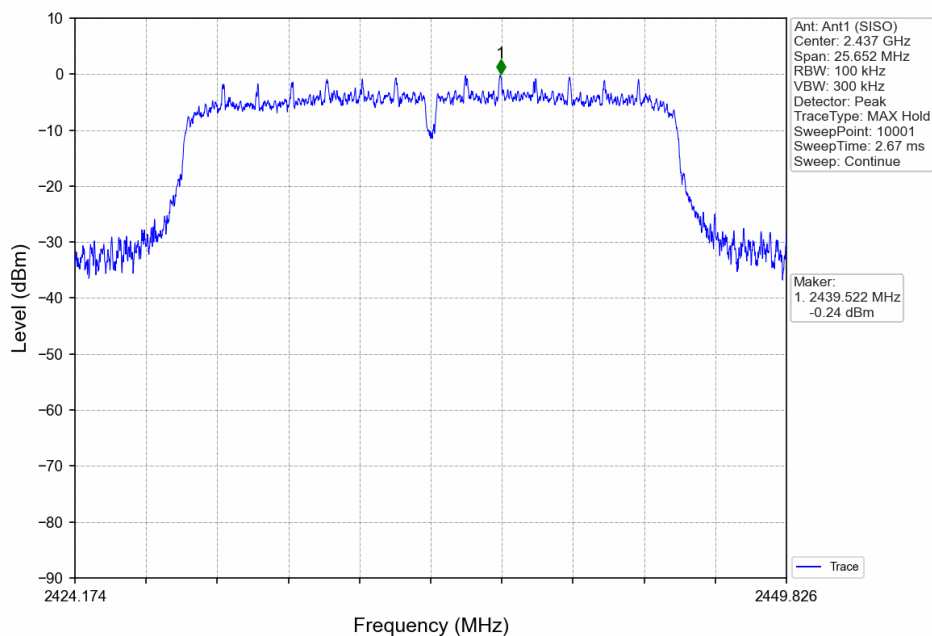
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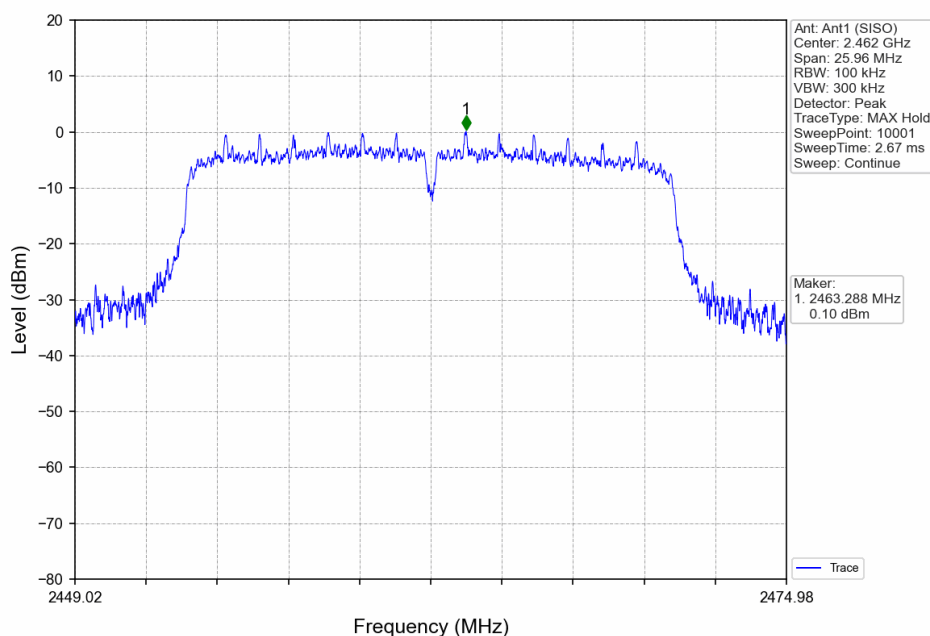
802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



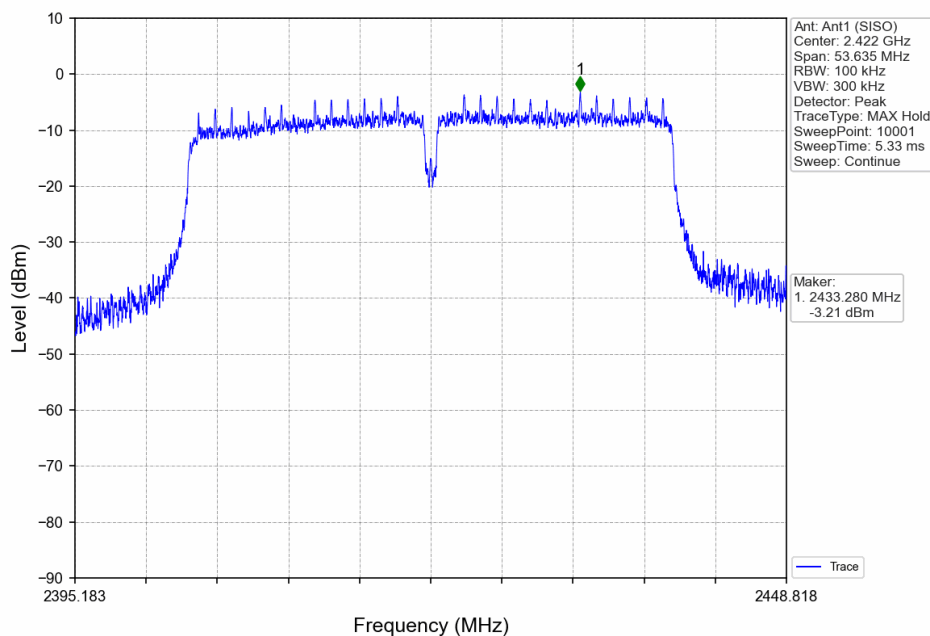
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802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

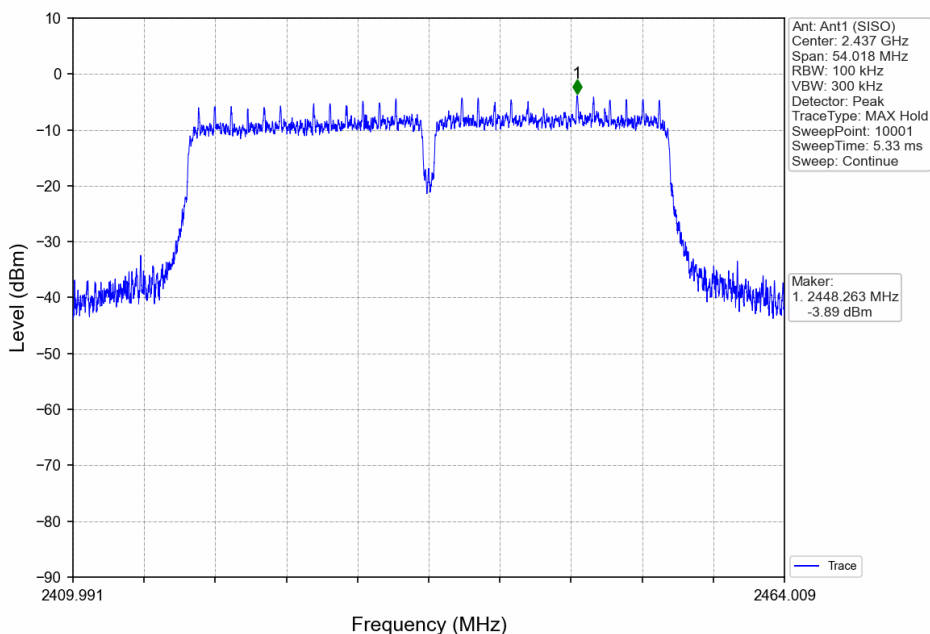


802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV

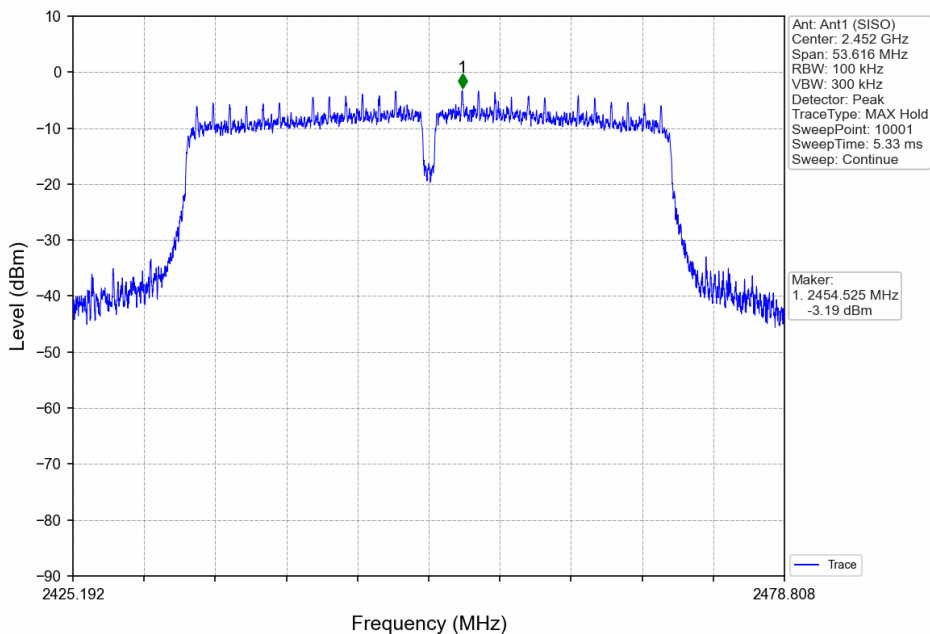




802.11n(HT40)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



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



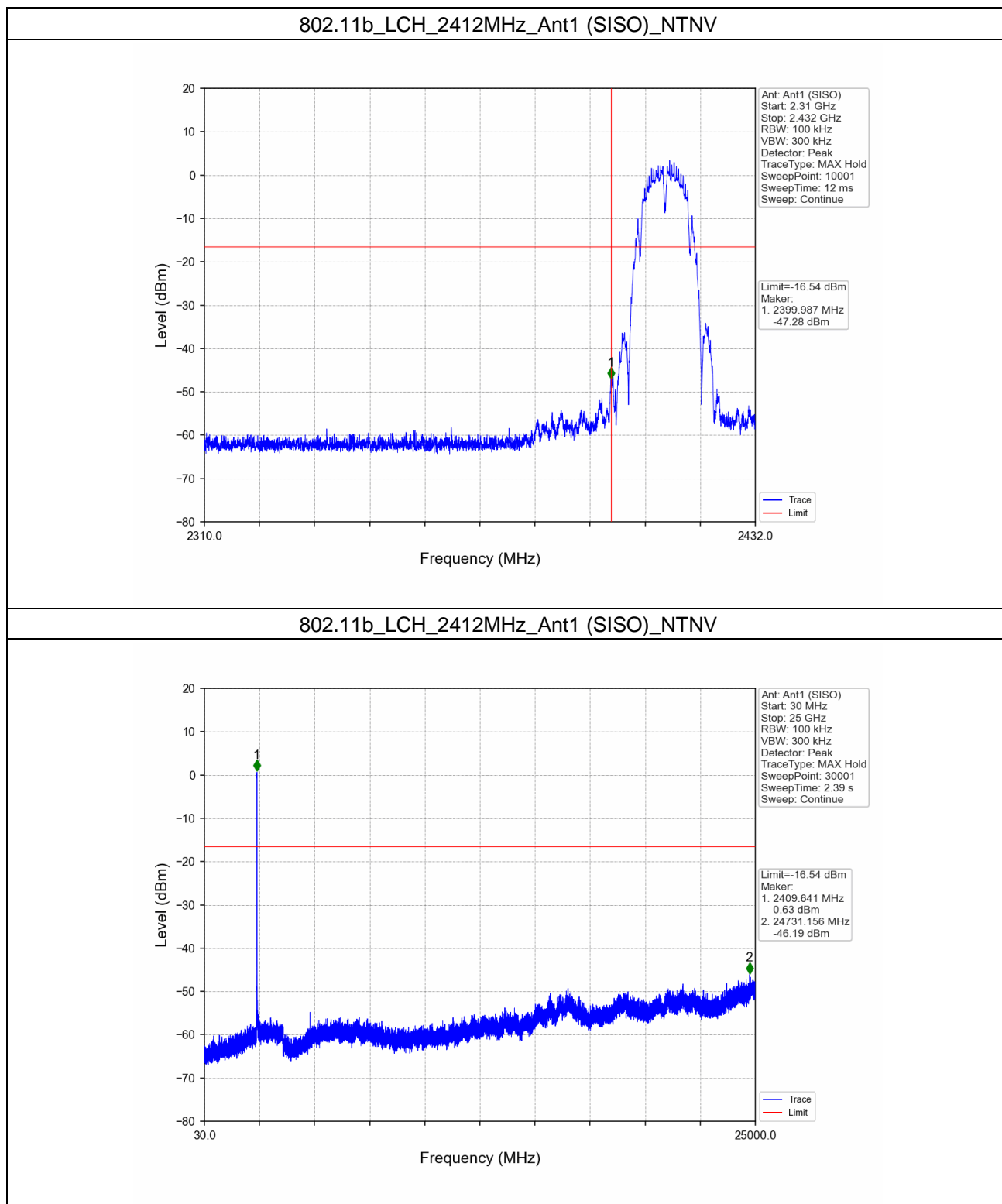
## 5.2 CSE

## 5.2.1 Test Result

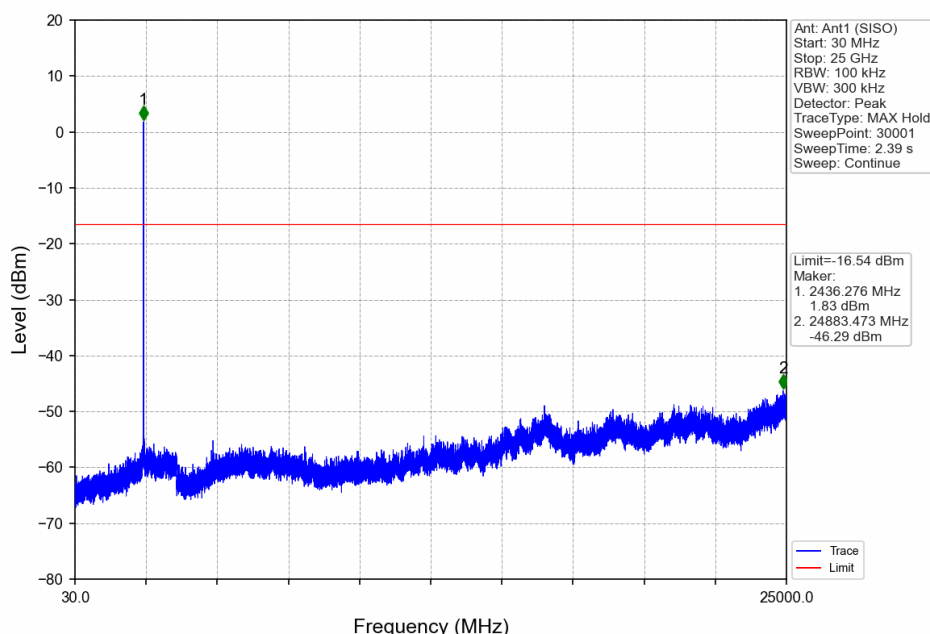
Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	3.46	-16.54	Pass
		2437	1	3.46	-16.54	Pass
		2462	1	3.46	-16.54	Pass
802.11g	SISO	2412	1	0.17	-19.83	Pass
		2437	1	0.17	-19.83	Pass
		2462	1	0.17	-19.83	Pass
802.11n (HT20)	SISO	2412	1	0.35	-19.65	Pass
		2437	1	0.35	-19.65	Pass
		2462	1	0.35	-19.65	Pass
802.11n (HT40)	SISO	2422	1	-3.19	-23.19	Pass
		2437	1	-3.19	-23.19	Pass
		2452	1	-3.19	-23.19	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.

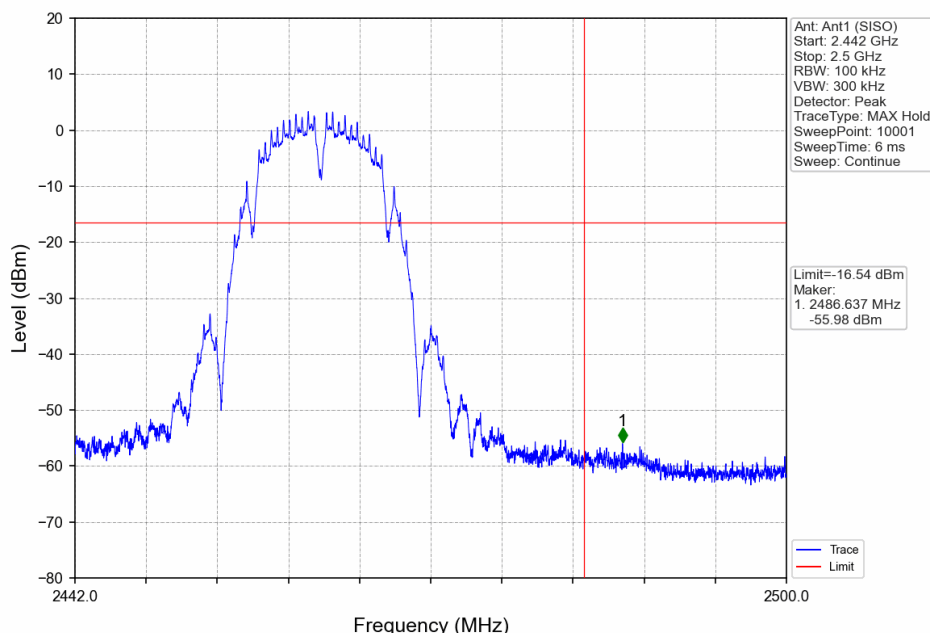
### 5.2.2 Test Graph



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

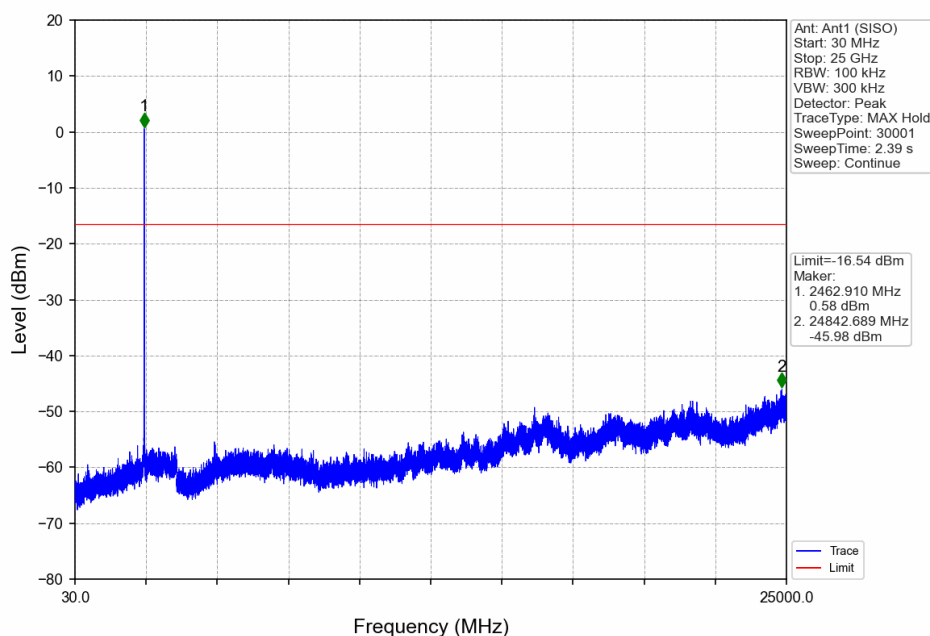


### 802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

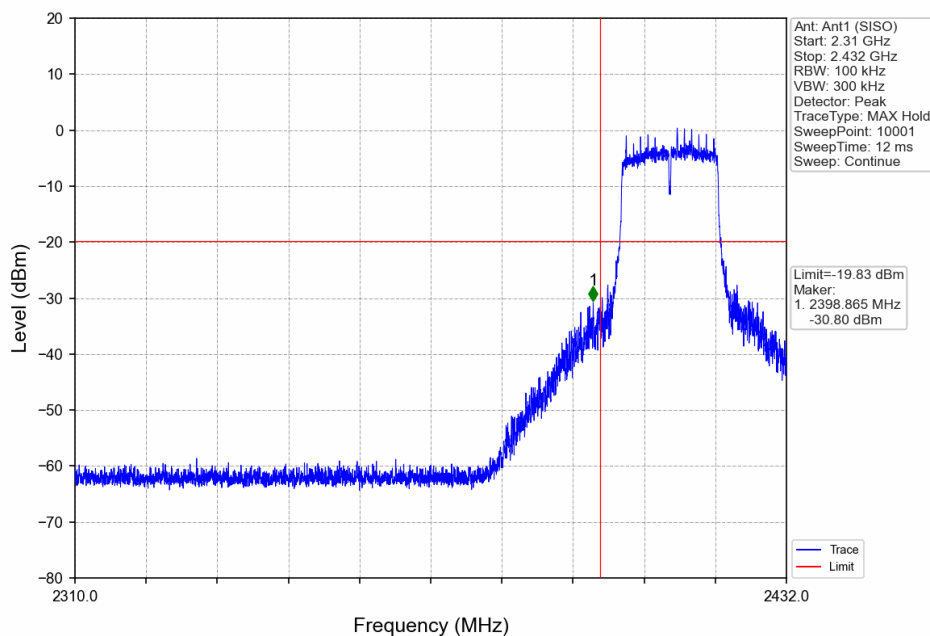




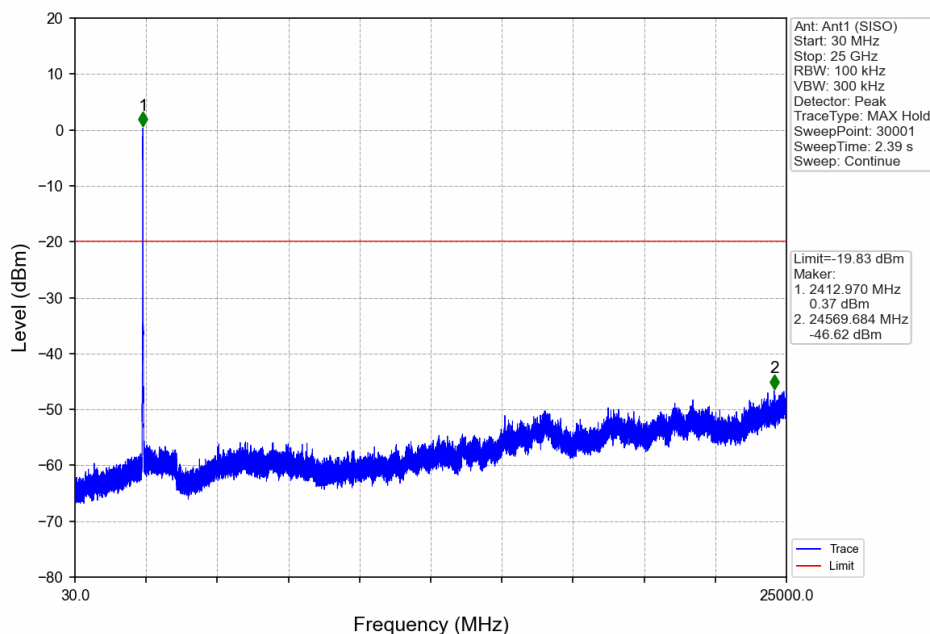
## 802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



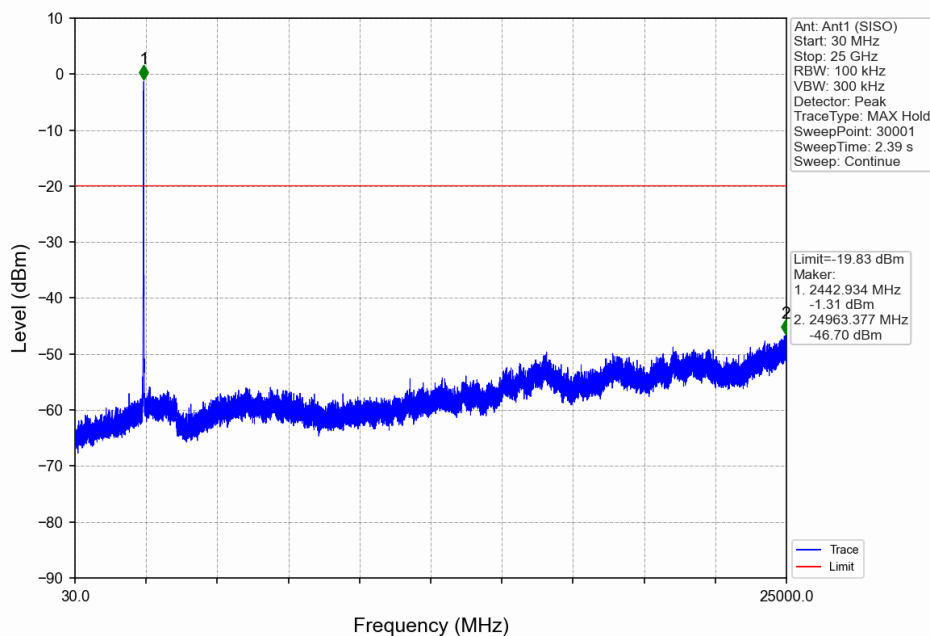
## 802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



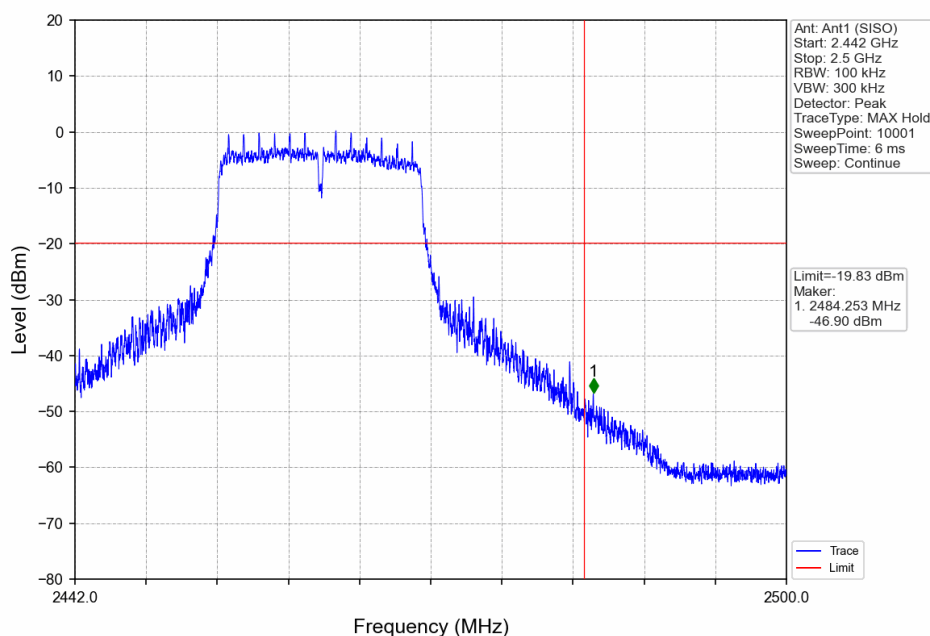
### 802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



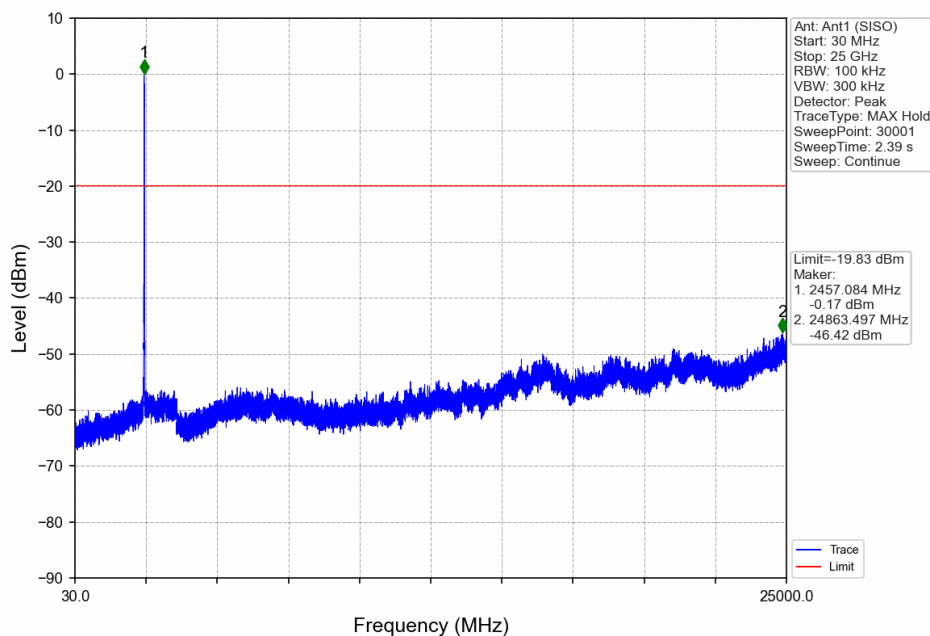
### 802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



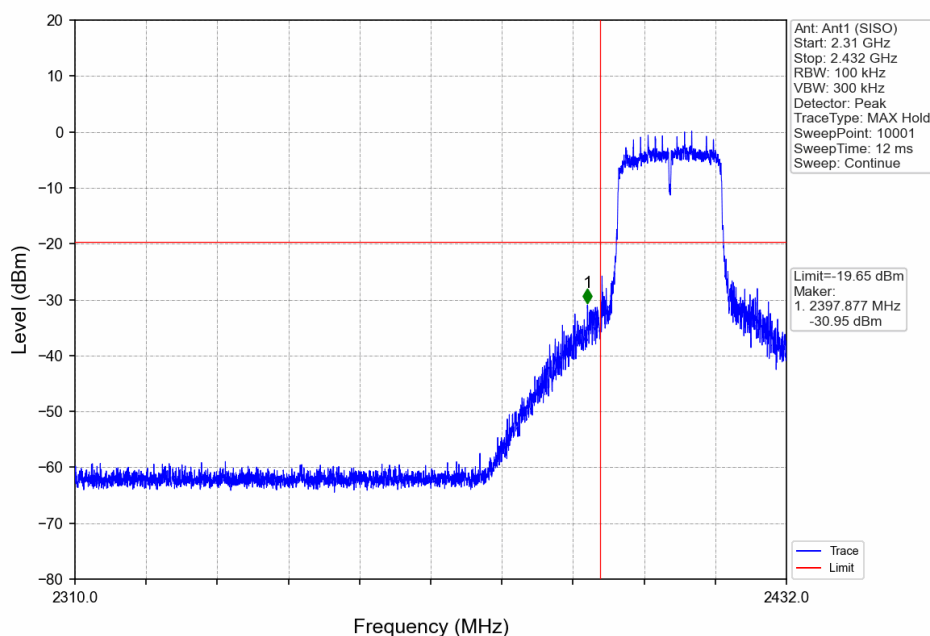
### 802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



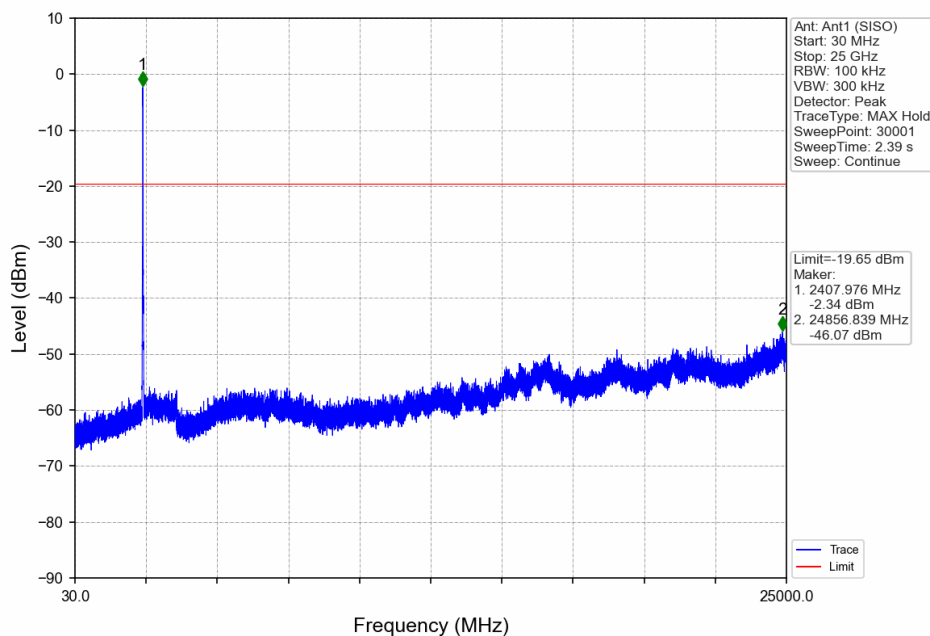
### 802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



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

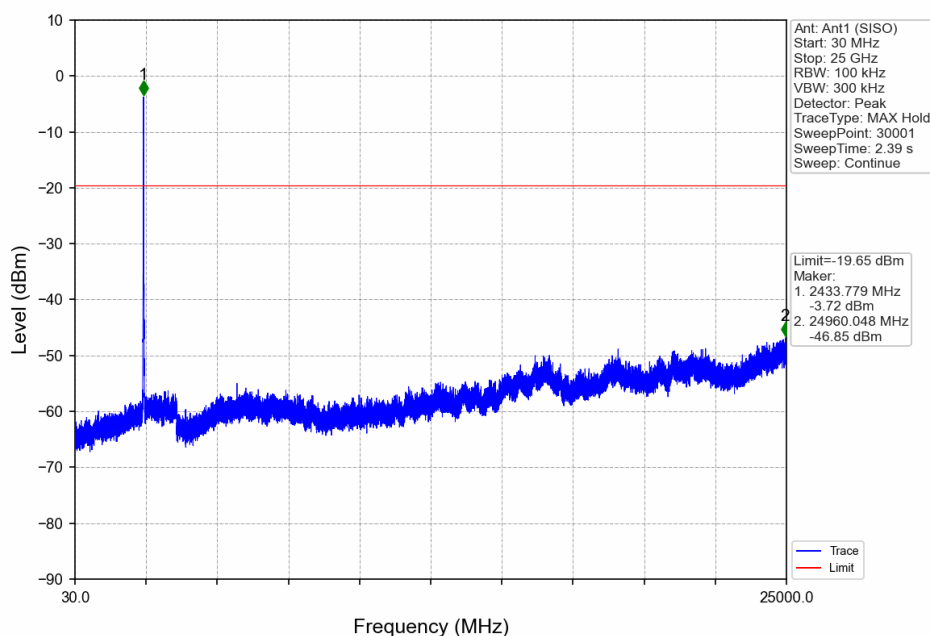


802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV

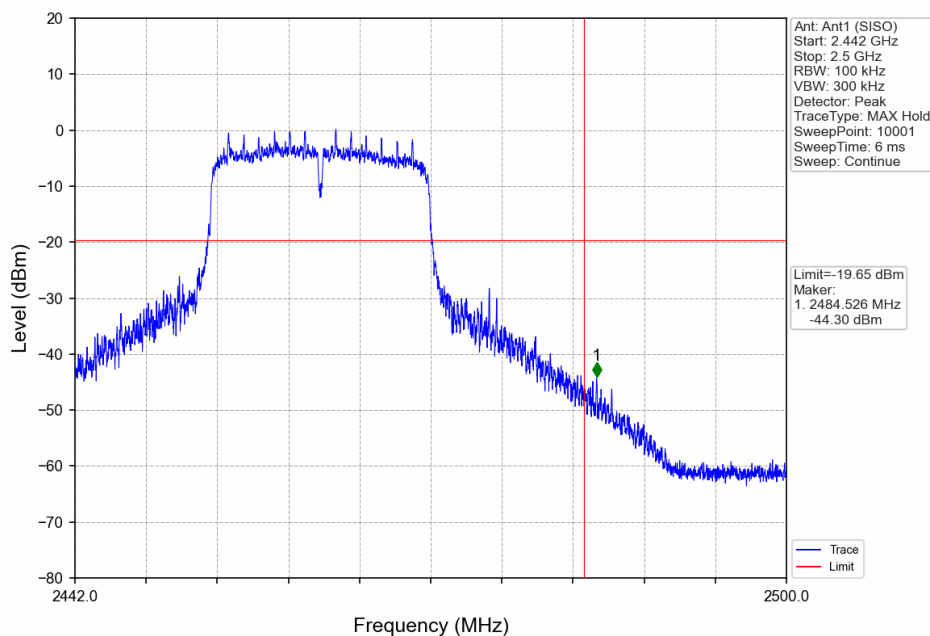




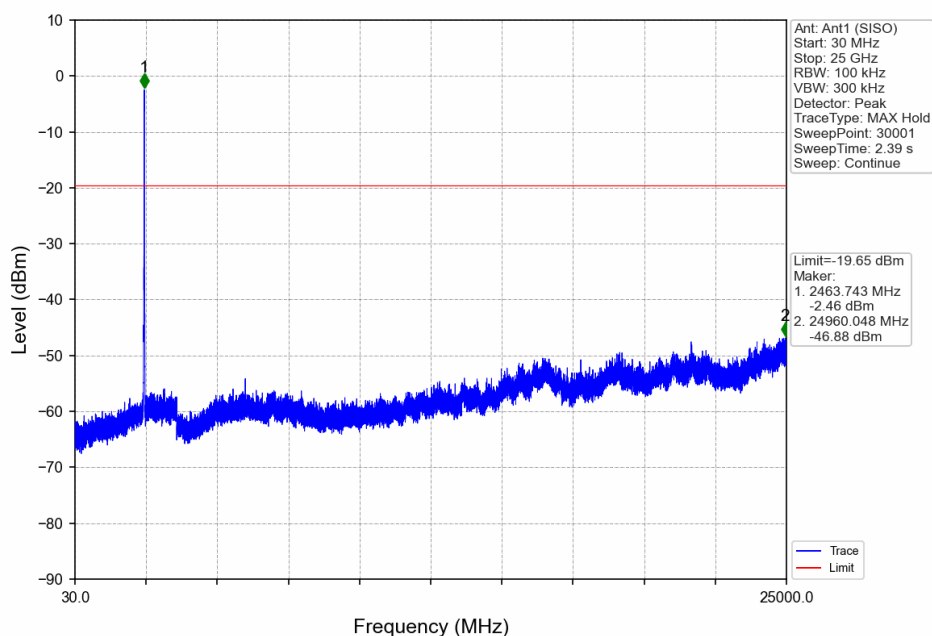
802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



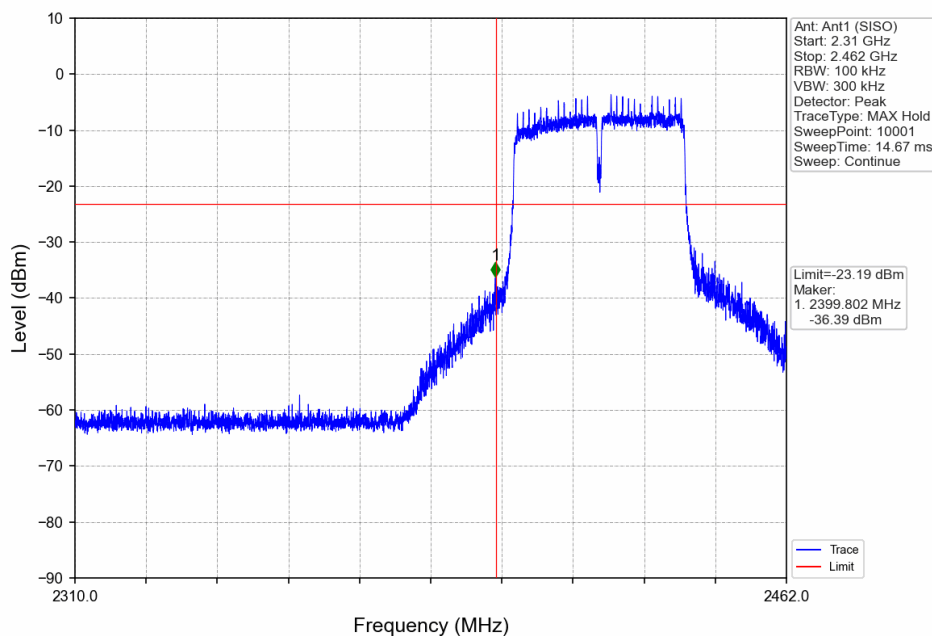
802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



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

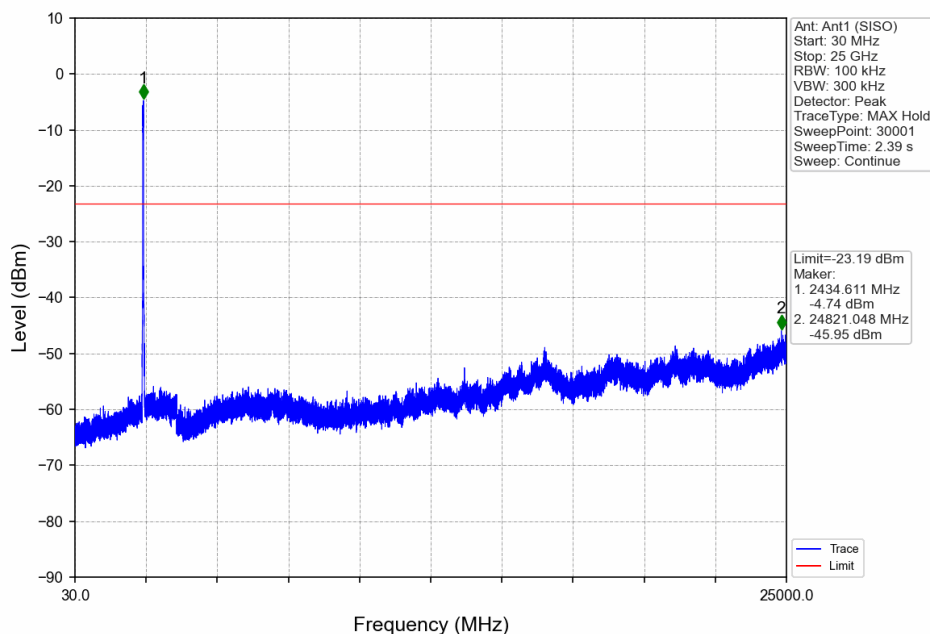


802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV

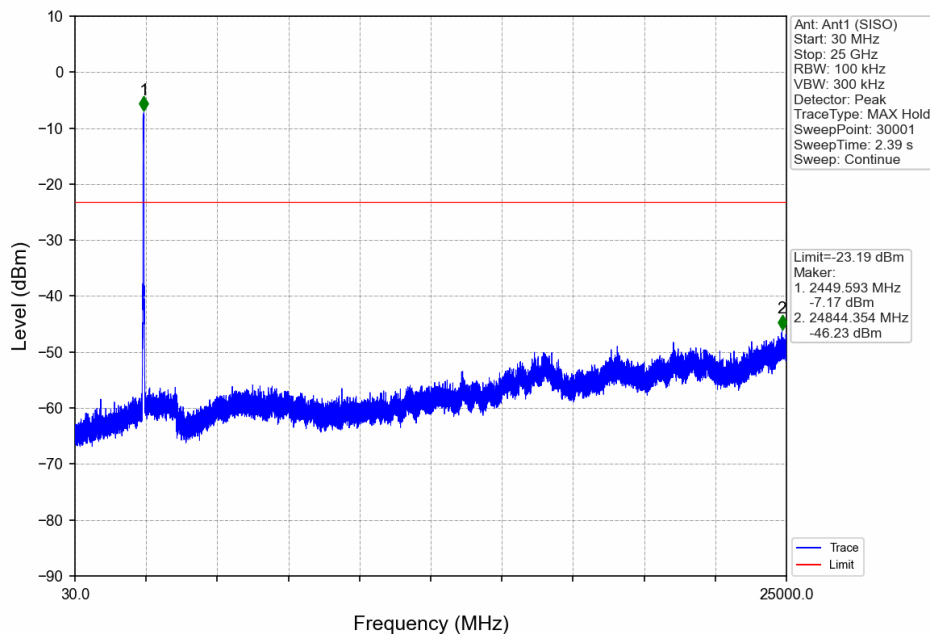


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802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV

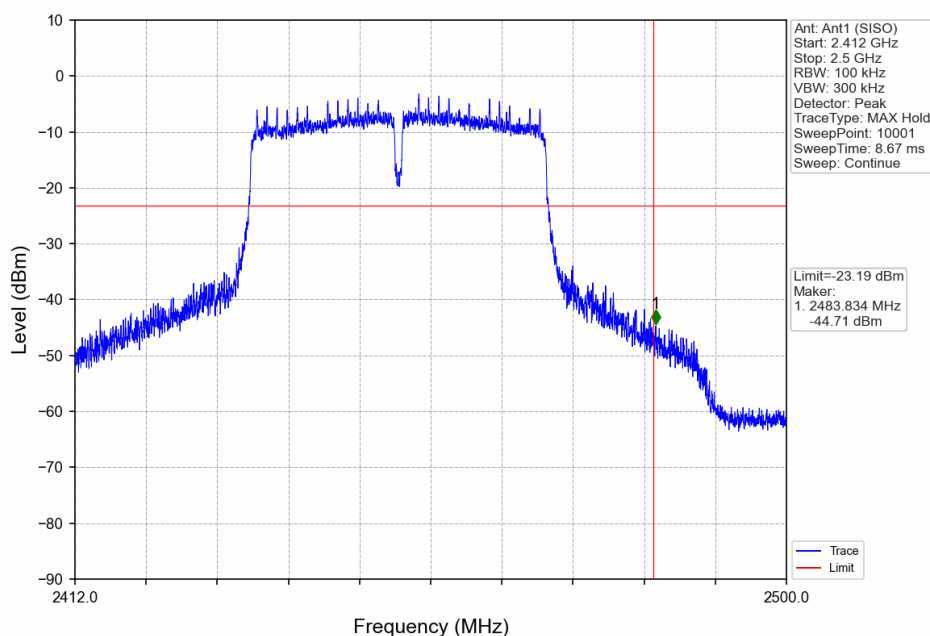


802.11n(HT40)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV

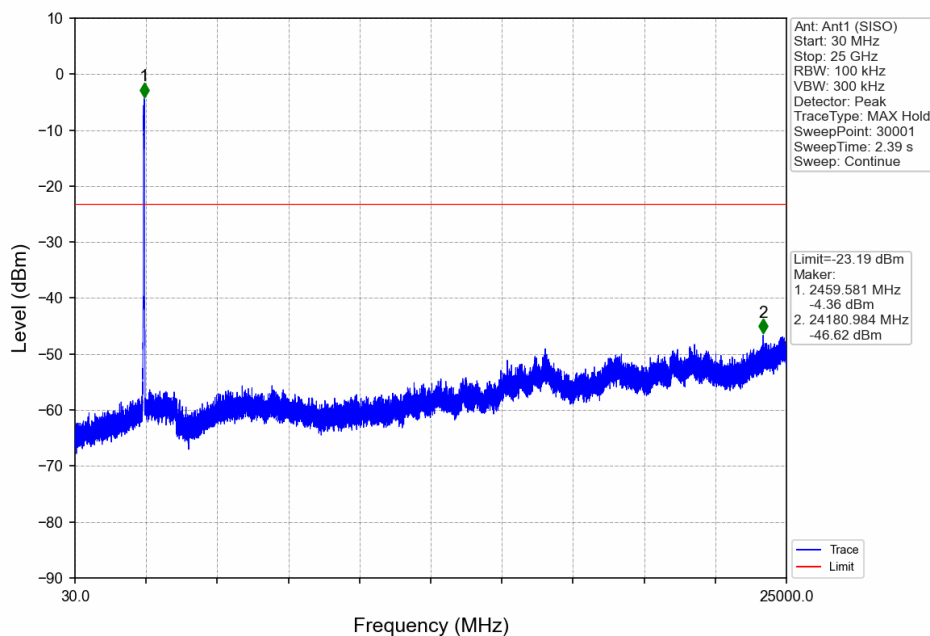


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802.11n(HT40)\_HCH\_2452MHz\_Ant1 (SISO)\_NTNV



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



- End of the Report -