

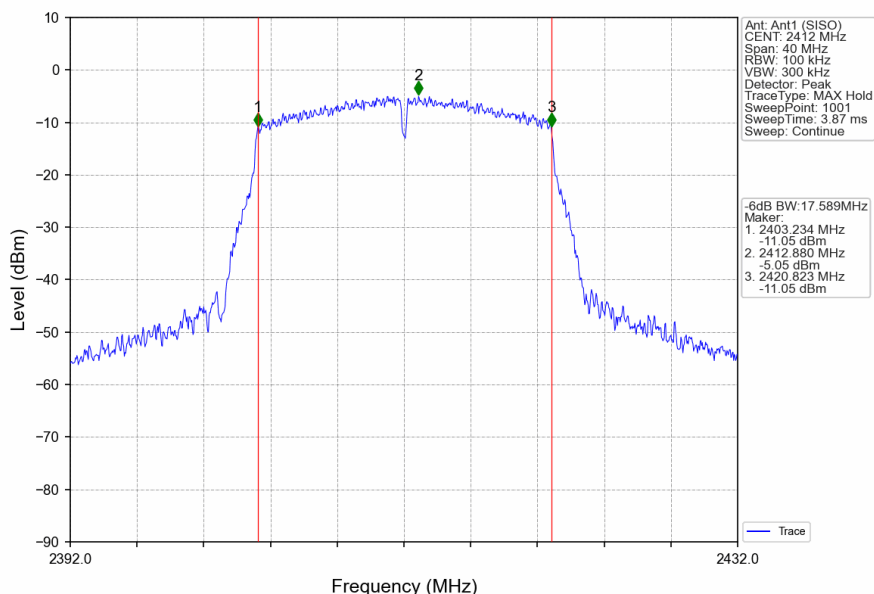
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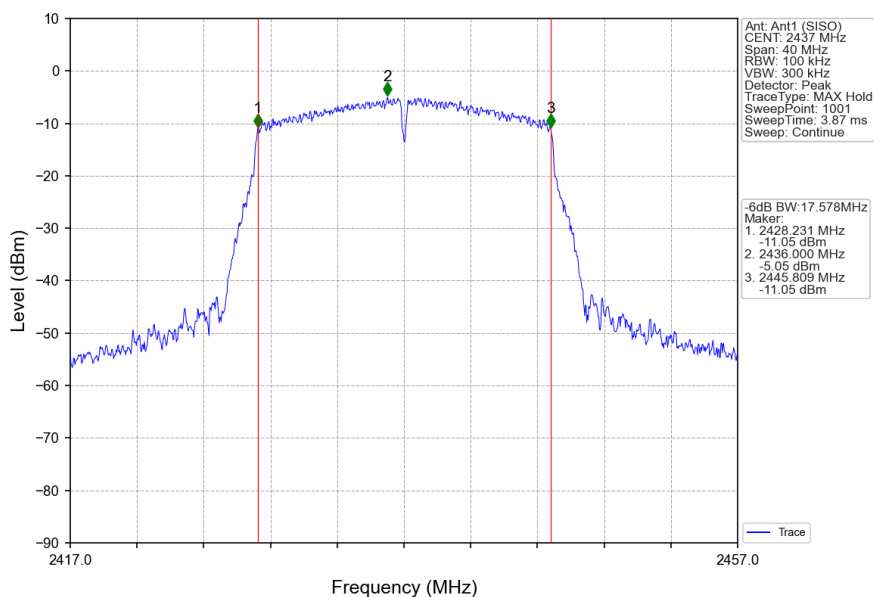
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### 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



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



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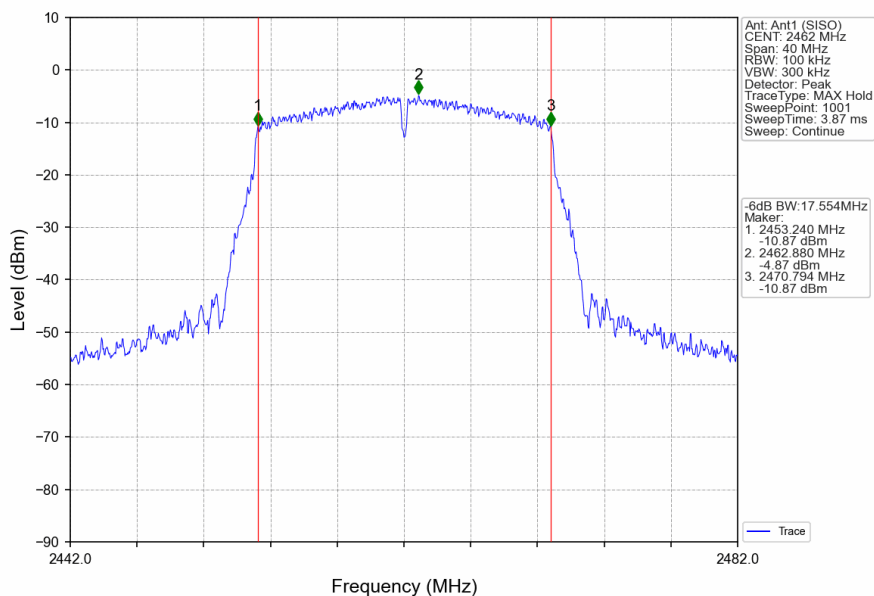
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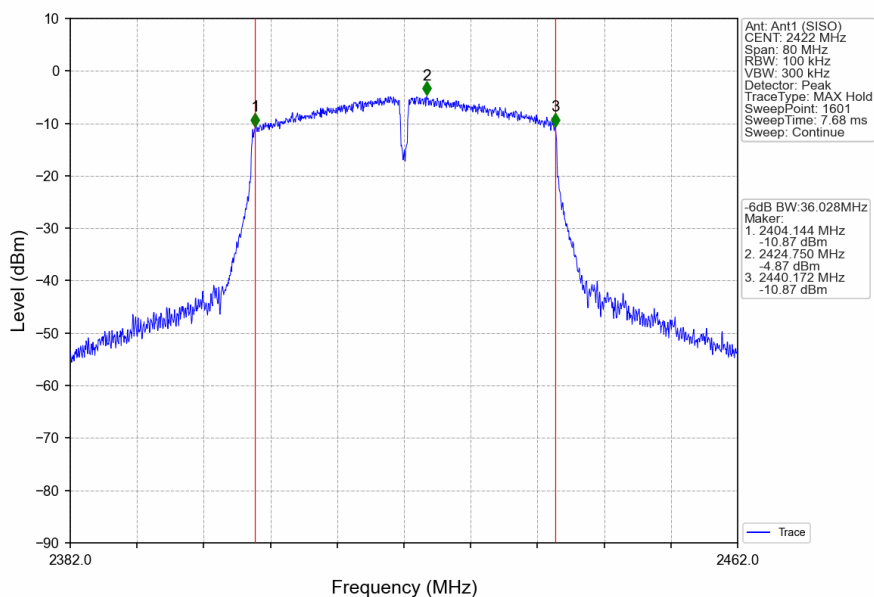
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### 802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



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



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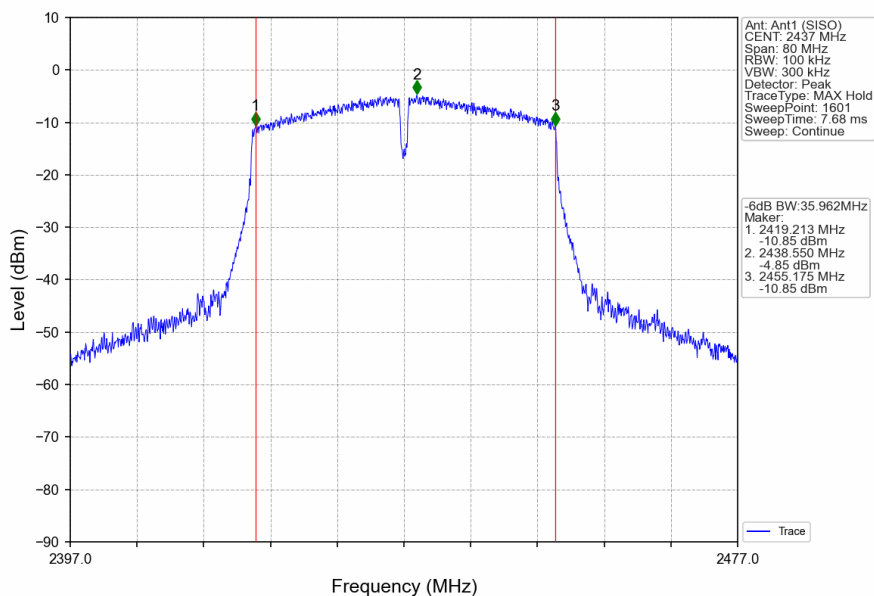
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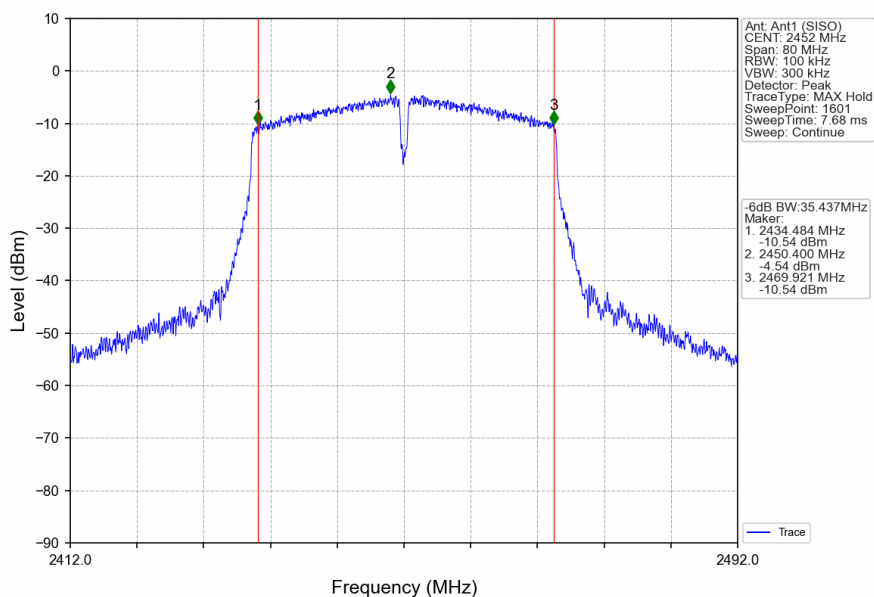
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### 802.11n(HT40)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



### 802.11n(HT40)\_HCH\_2452MHz\_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 Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	6.08	<=30	Pass
		2437	6.21	<=30	Pass
		2462	7.35	<=30	Pass
802.11g	SISO	2412	6.75	<=30	Pass
		2437	6.76	<=30	Pass
		2462	6.76	<=30	Pass
802.11n (HT20)	SISO	2412	7.81	<=30	Pass
		2437	7.77	<=30	Pass
		2462	7.75	<=30	Pass
802.11n (HT40)	SISO	2422	10.88	<=30	Pass
		2437	10.77	<=30	Pass
		2452	10.84	<=30	Pass

Note1: Antenna Gain: Ant1: 5.00dBi;



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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	-16.96	<=8	Pass
		2437	-15.20	<=8	Pass
		2462	-15.53	<=8	Pass
802.11g	SISO	2412	-17.59	<=8	Pass
		2437	-18.40	<=8	Pass
		2462	-17.74	<=8	Pass
802.11n (HT20)	SISO	2412	-16.51	<=8	Pass
		2437	-16.85	<=8	Pass
		2462	-16.47	<=8	Pass
802.11n (HT40)	SISO	2422	-16.22	<=8	Pass
		2437	-16.79	<=8	Pass
		2452	-16.80	<=8	Pass

Note1: Antenna Gain: Ant1: 5.00dBi;



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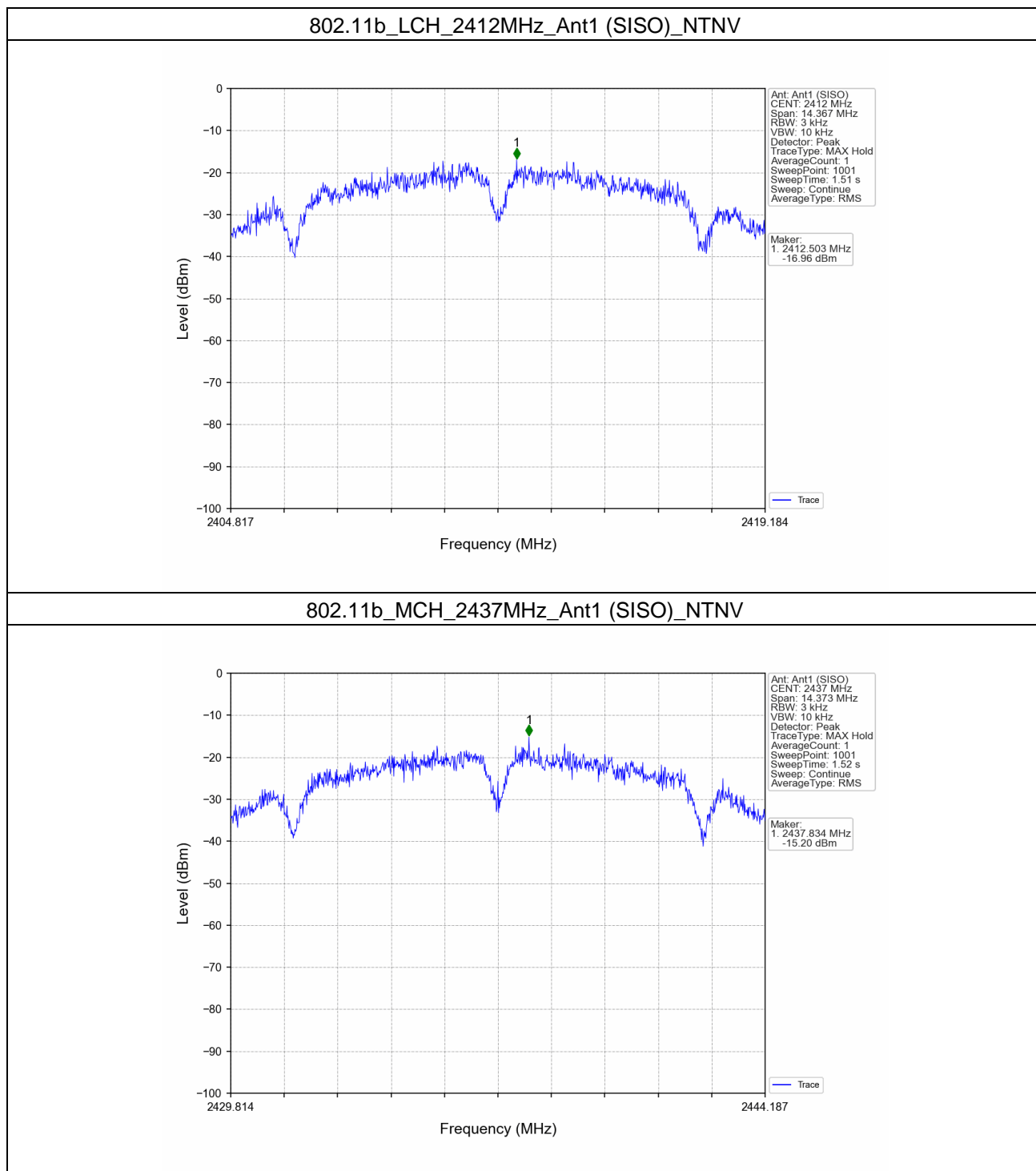
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### 4.1.2 Test Graph



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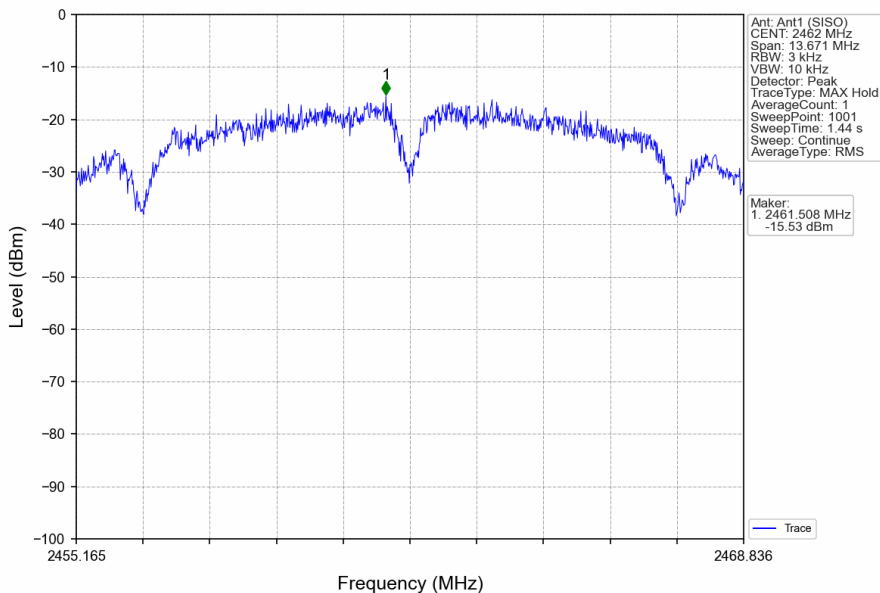
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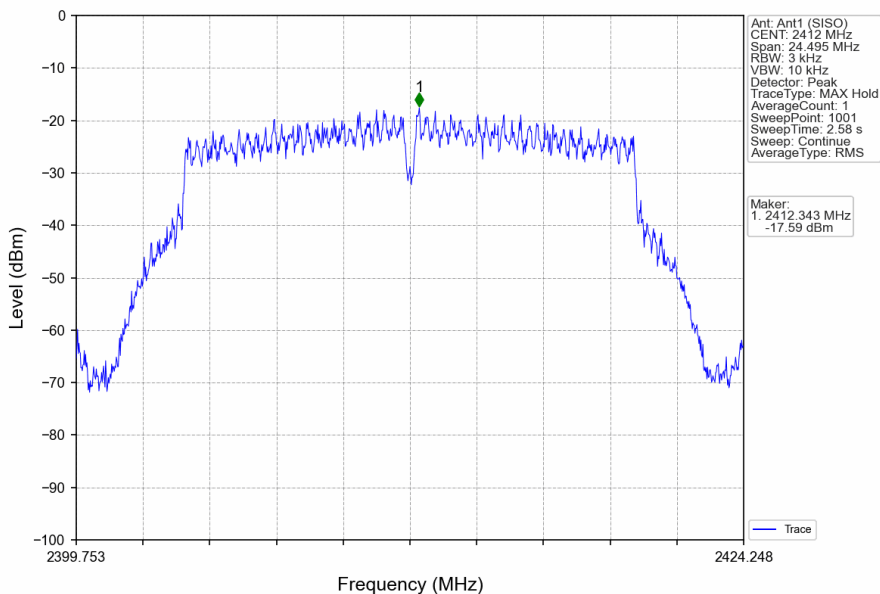
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### 802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



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



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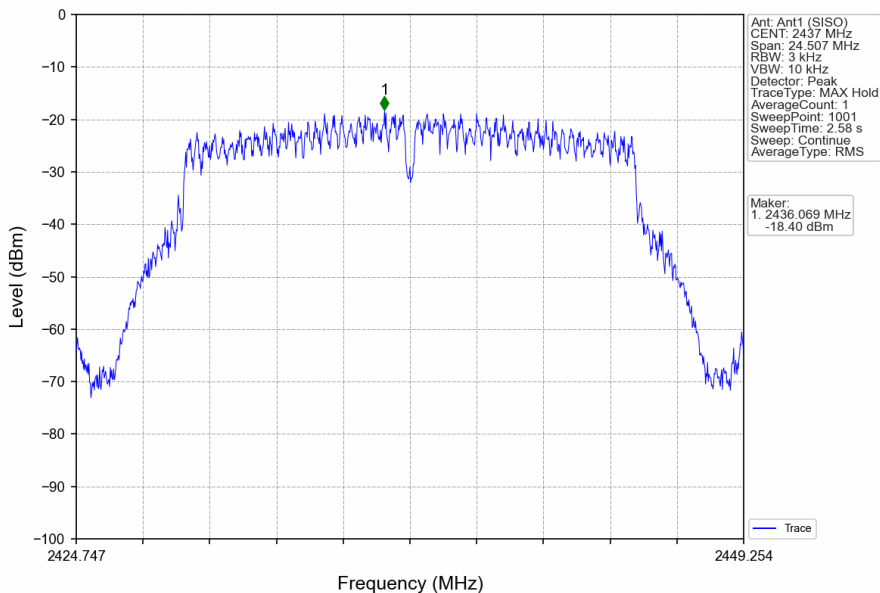
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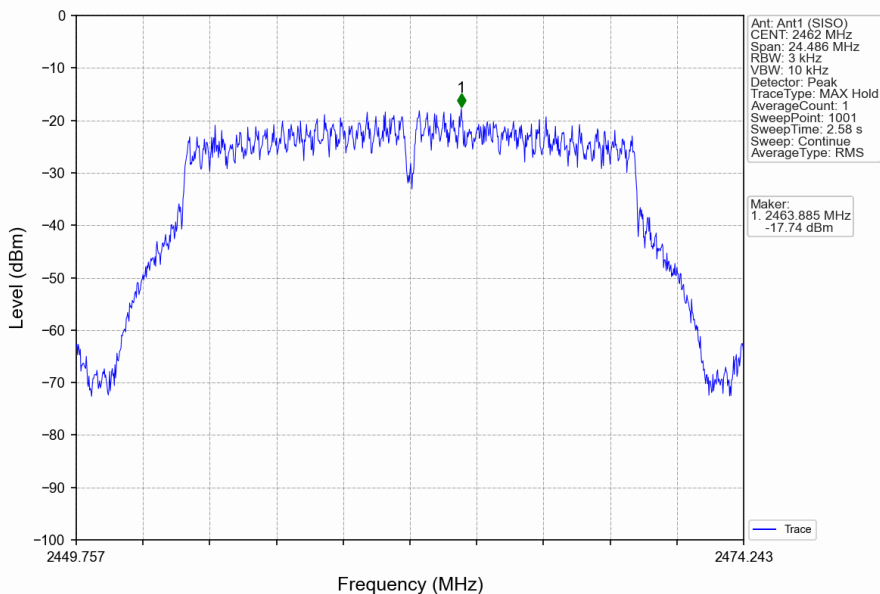
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### 802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



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



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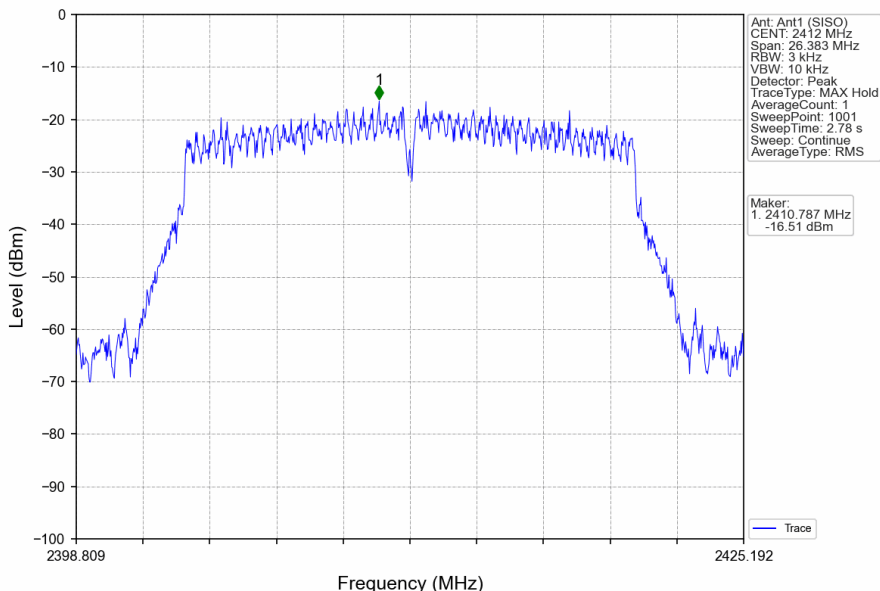
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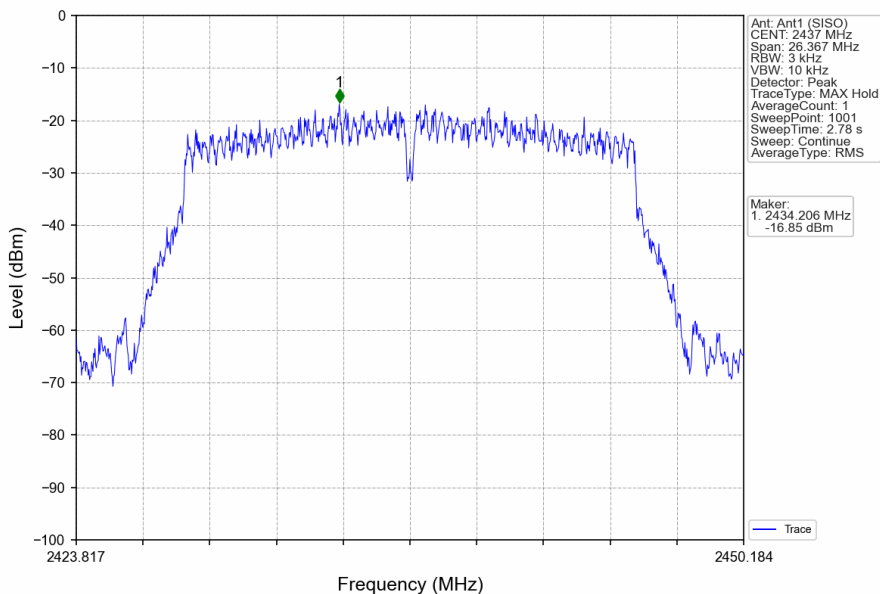
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### 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



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



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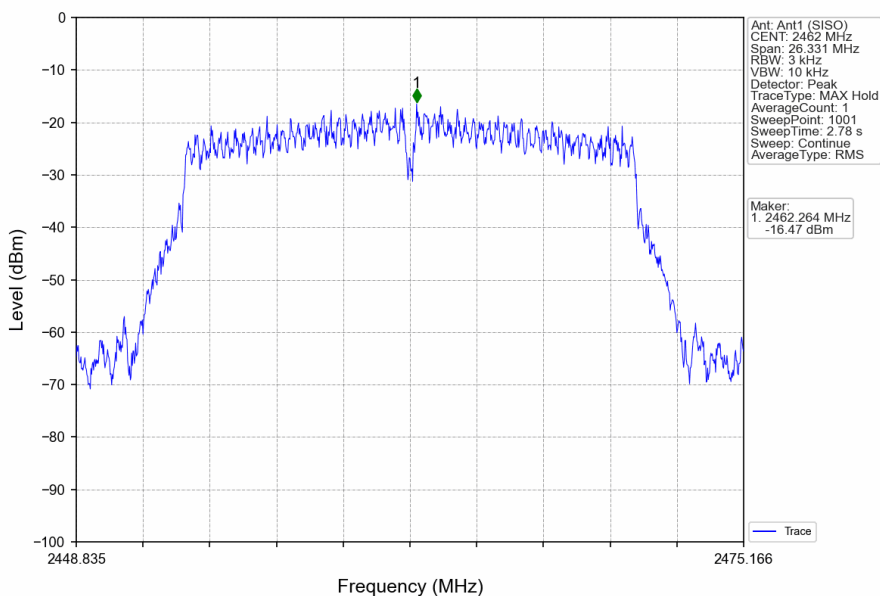
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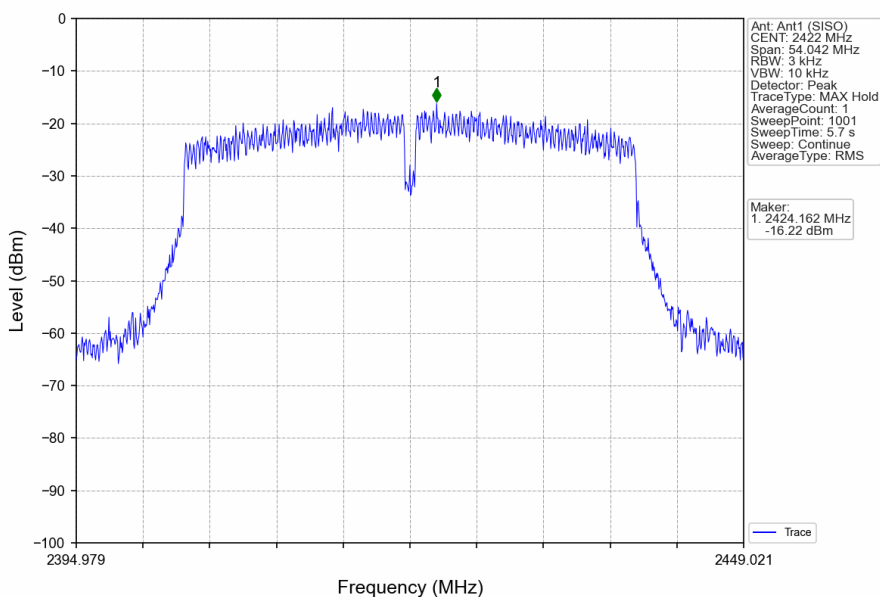
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### 802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



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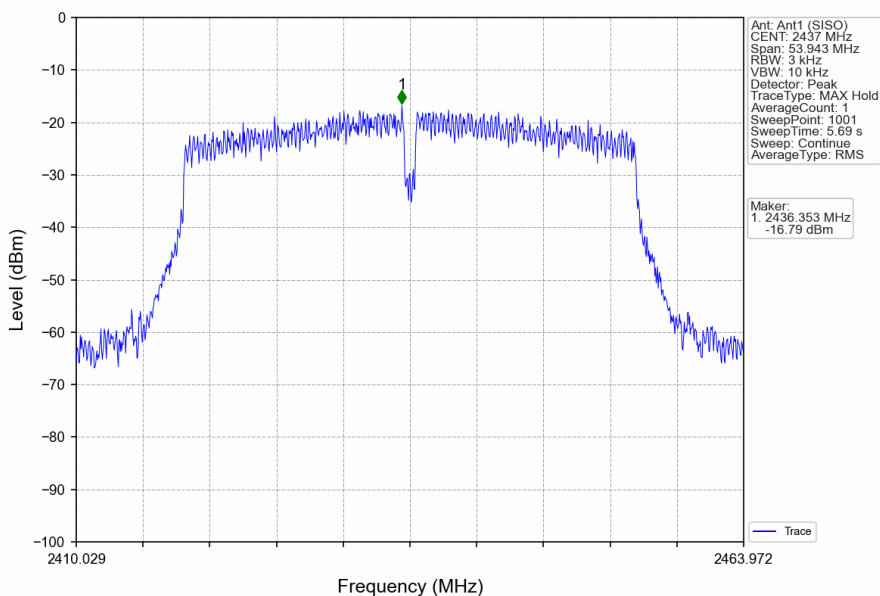
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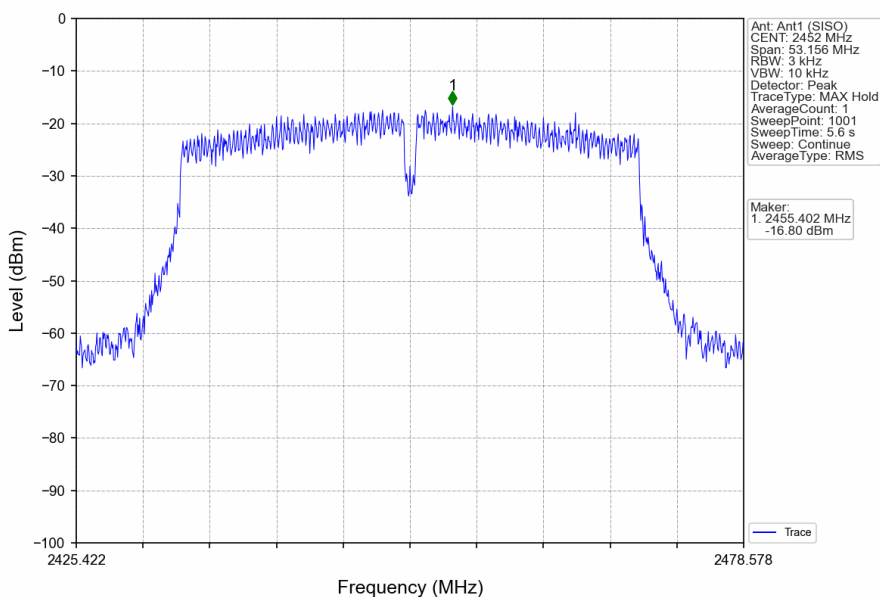
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### 802.11n(HT40)\_HCH\_2452MHz\_Ant1 (SISO)\_NTNV



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## Compliance Certification Services (Kunshan) Inc. Shenzhen Branch

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### 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	-2.43
		2437	1	-2.20
		2462	1	-1.19
802.11g	SISO	2412	1	-5.70
		2437	1	-5.73
		2462	1	-5.95
802.11n (HT20)	SISO	2412	1	-4.91
		2437	1	-5.26
		2462	1	-5.34
802.11n (HT40)	SISO	2422	1	-4.78
		2437	1	-4.82
		2452	1	-5.13

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.



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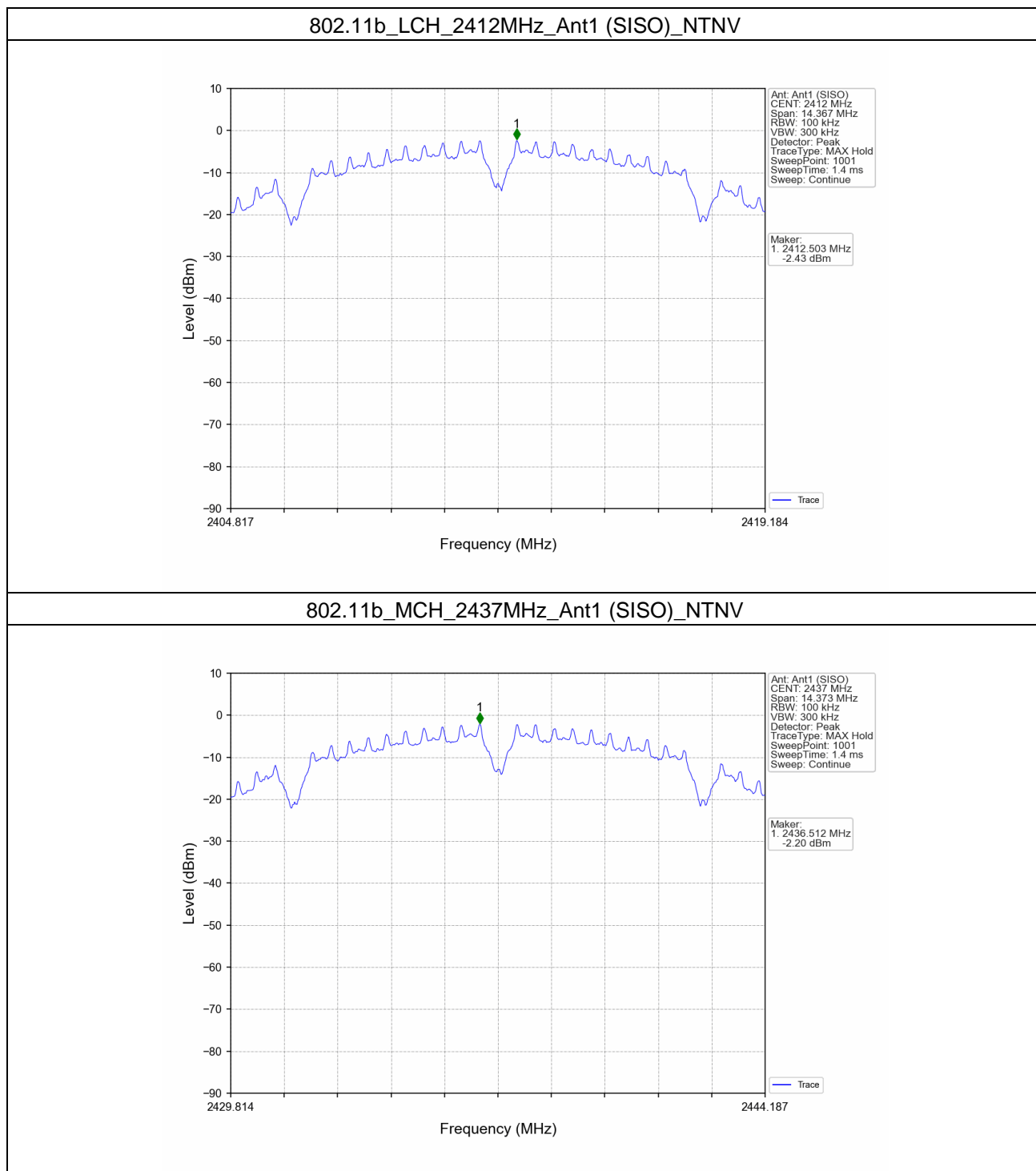
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### 5.1.2 Test Graph



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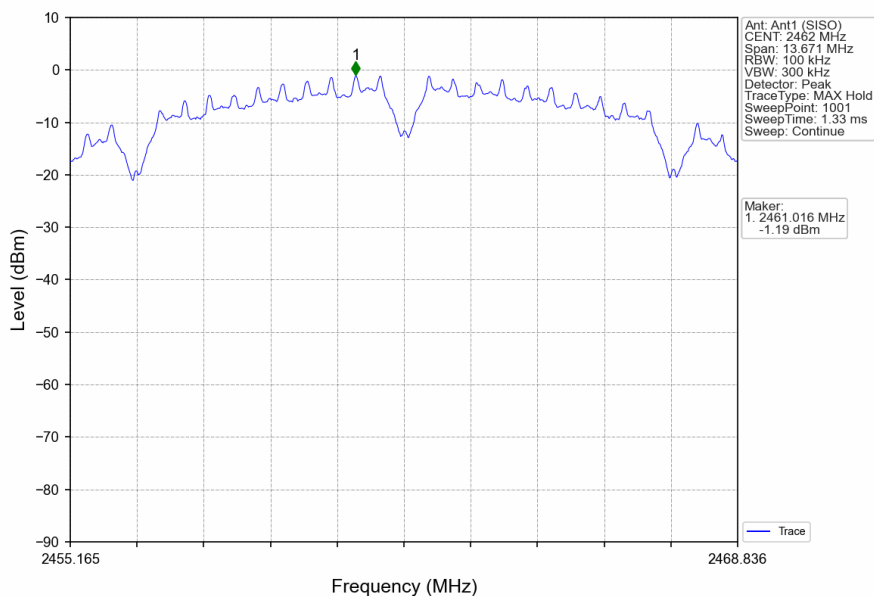
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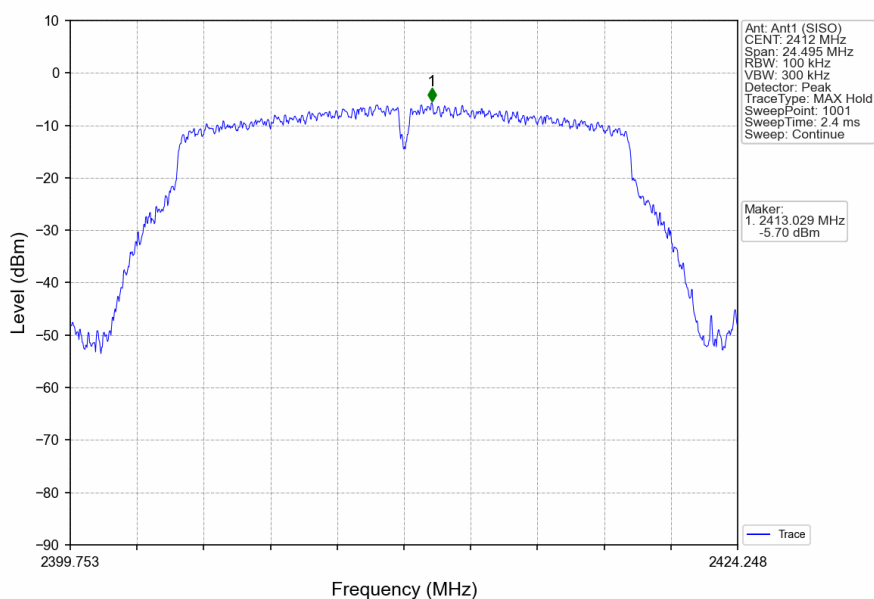
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### 802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



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



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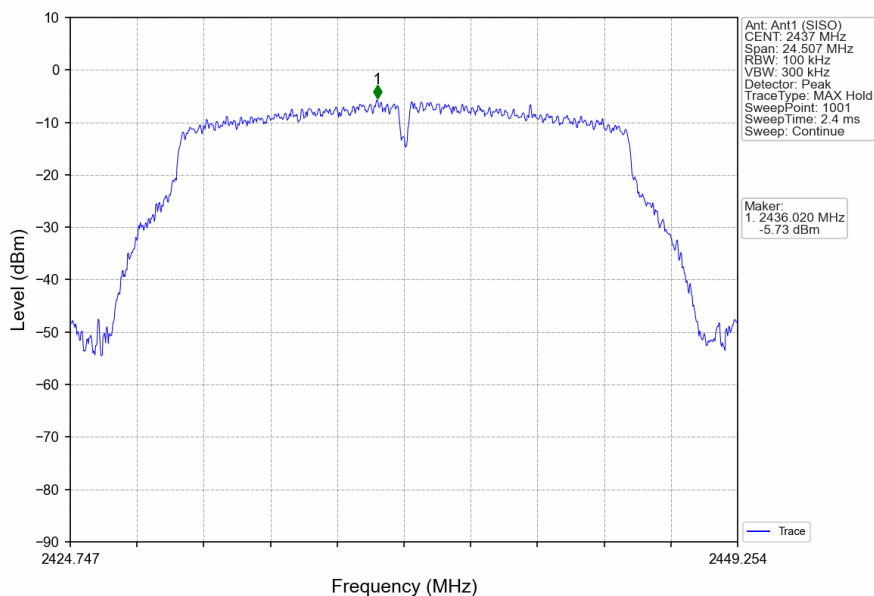
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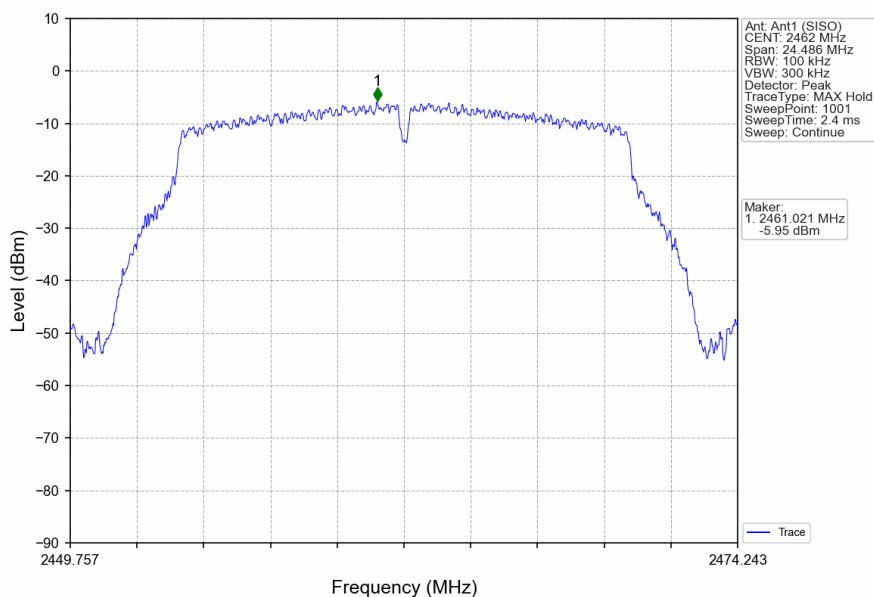
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### 802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



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



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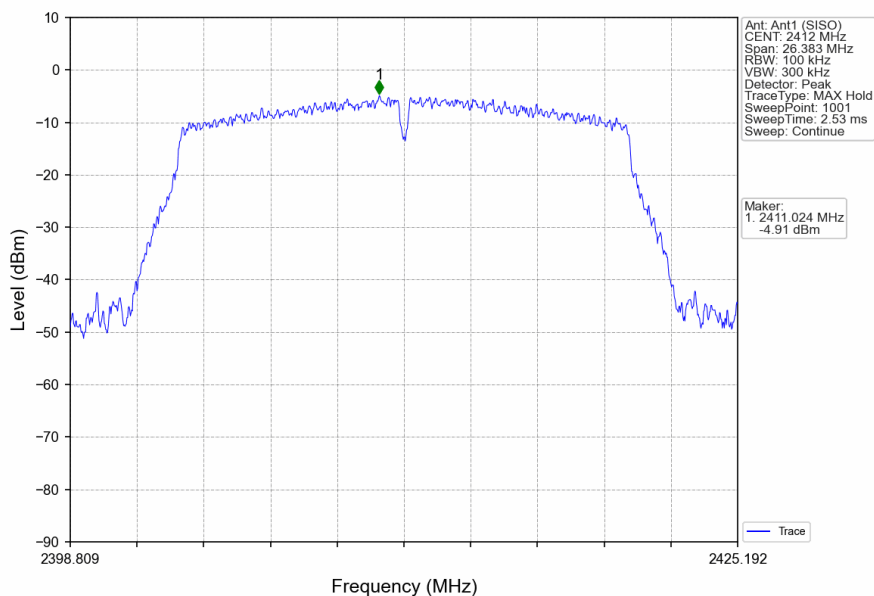
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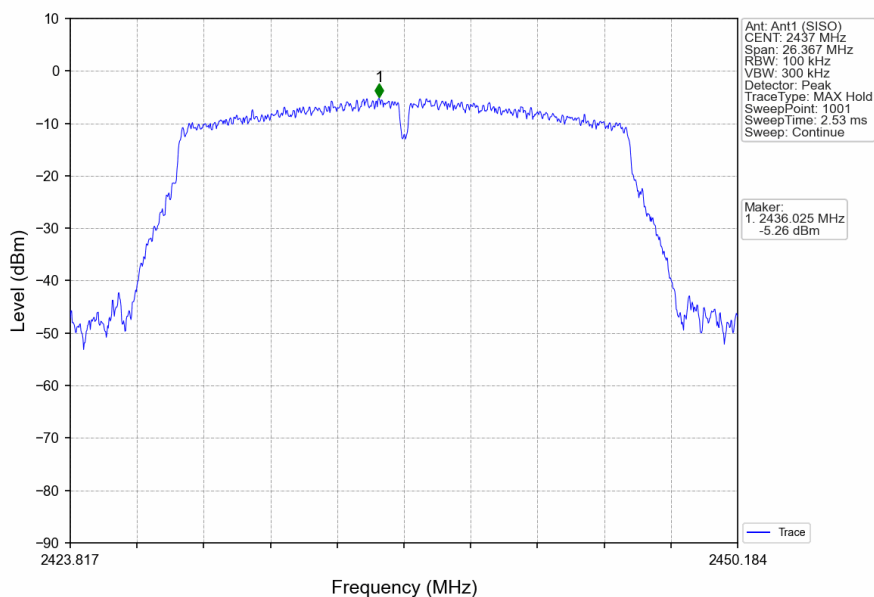
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### 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



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



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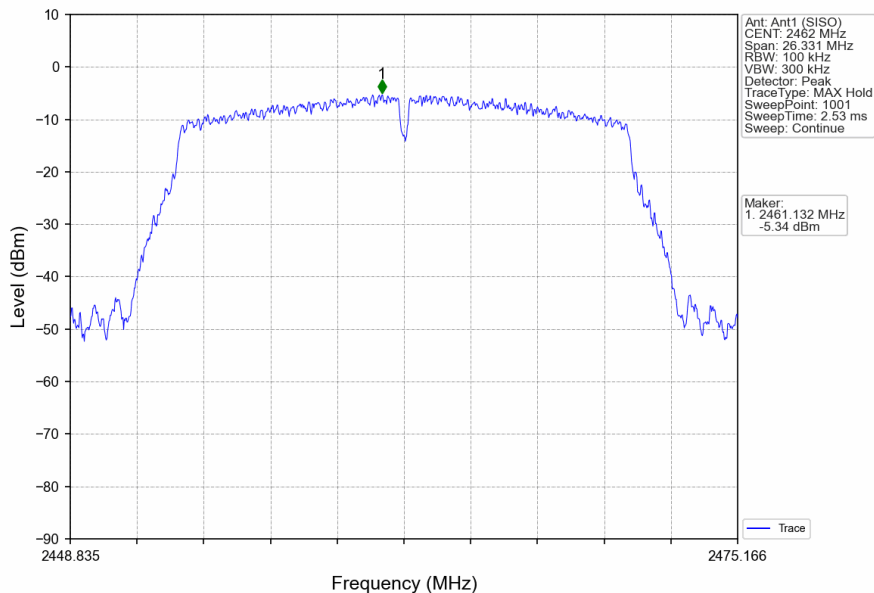
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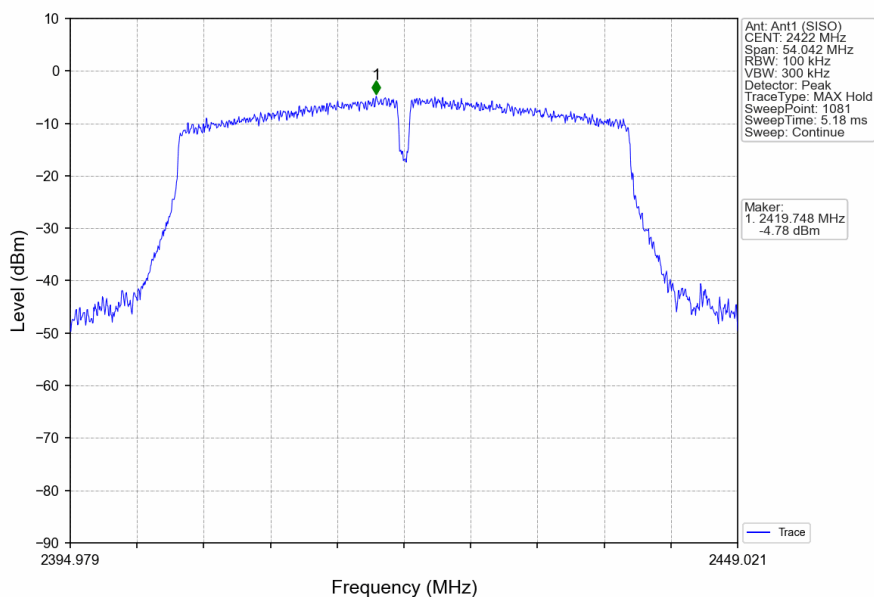
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### 802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



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



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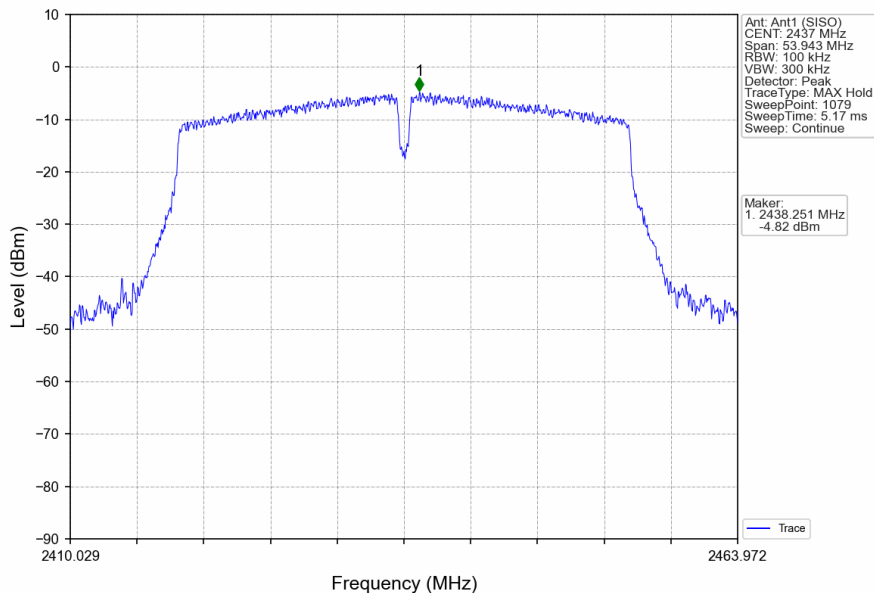
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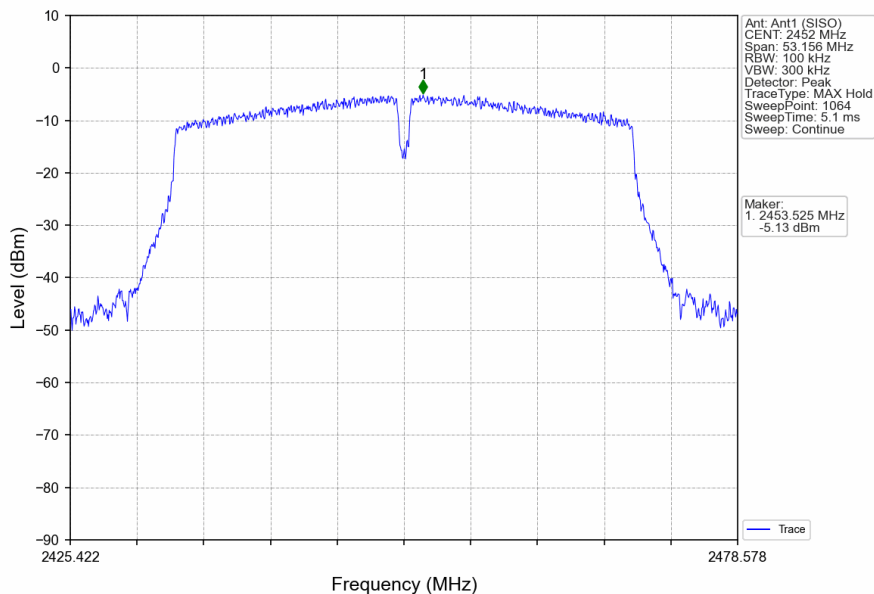
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### 802.11n(HT40)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



### 802.11n(HT40)\_HCH\_2452MHz\_Ant1 (SISO)\_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	-1.19	-31.19	Pass
		2437	1	-1.19	-31.19	Pass
		2462	1	-1.19	-31.19	Pass
802.11g	SISO	2412	1	-5.70	-35.70	Pass
		2437	1	-5.70	-35.70	Pass
		2462	1	-5.70	-35.70	Pass
802.11n (HT20)	SISO	2412	1	-4.91	-34.91	Pass
		2437	1	-4.91	-34.91	Pass
		2462	1	-4.91	-34.91	Pass
802.11n (HT40)	SISO	2422	1	-4.78	-34.78	Pass
		2437	1	-4.78	-34.78	Pass
		2452	1	-4.78	-34.78	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.



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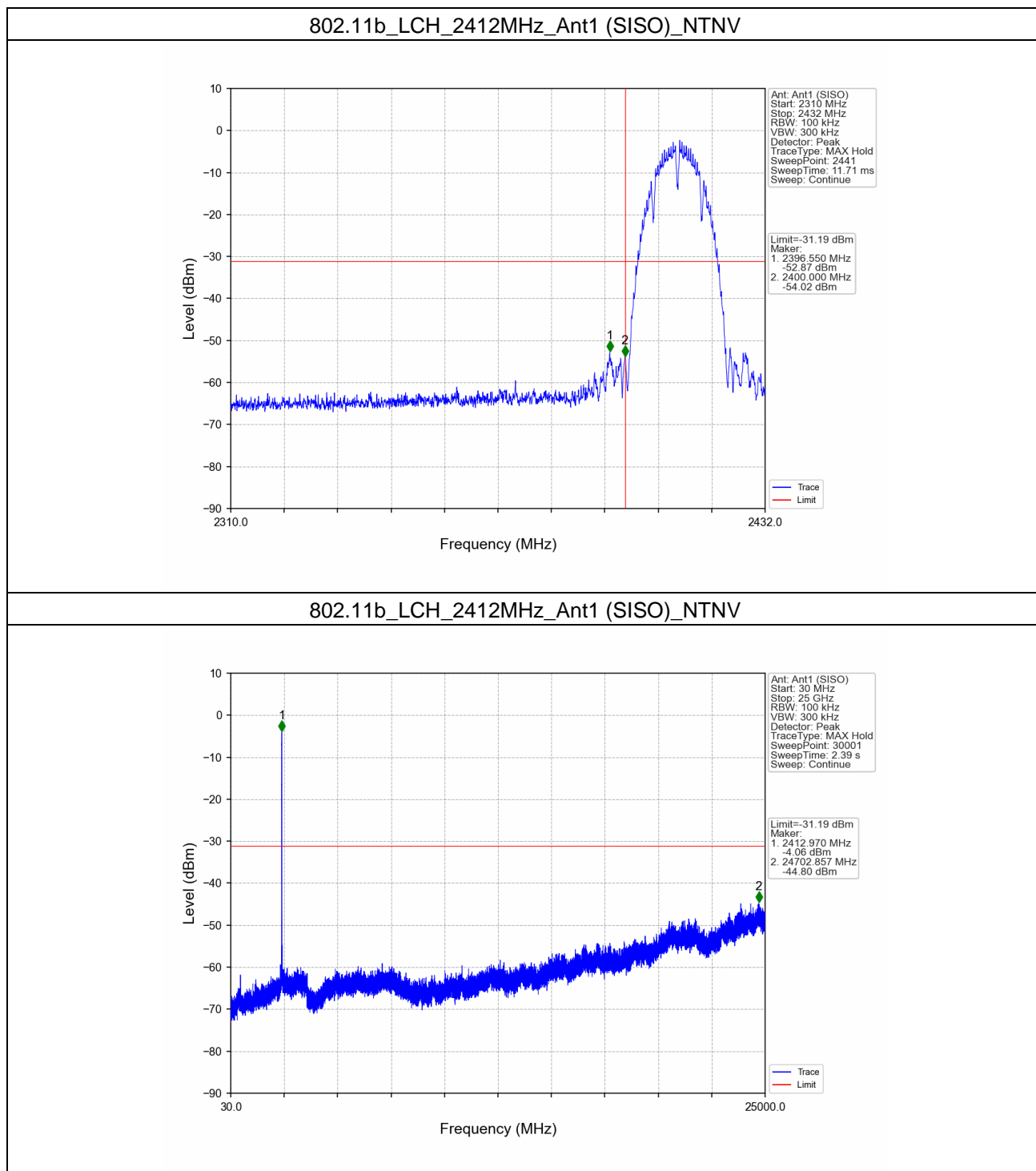
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### 5.2.2 Test Graph



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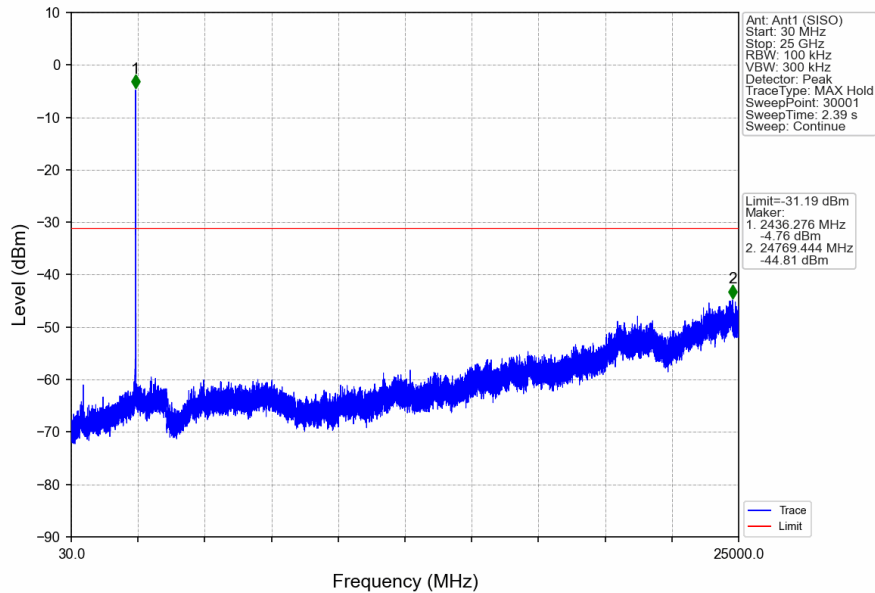
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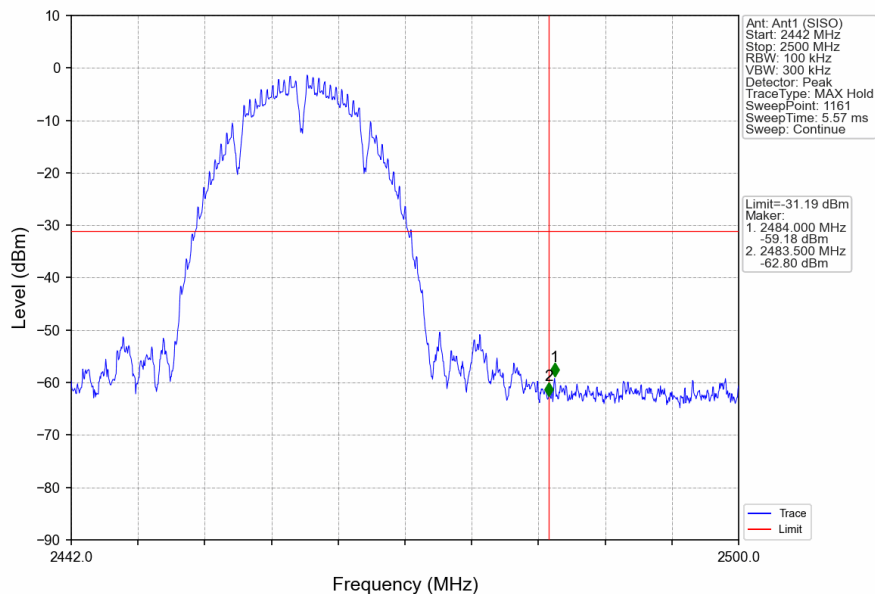
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### 802.11b\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



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



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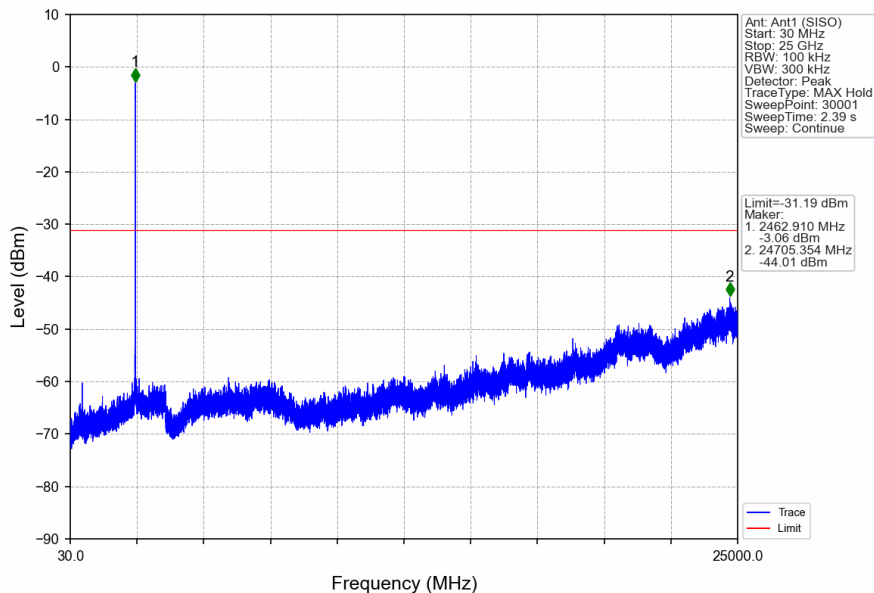
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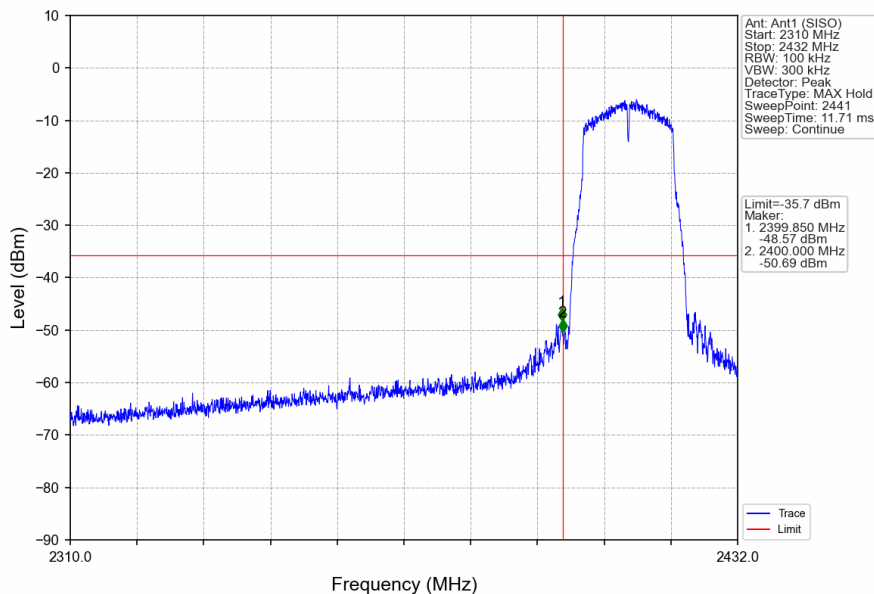
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### 802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



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



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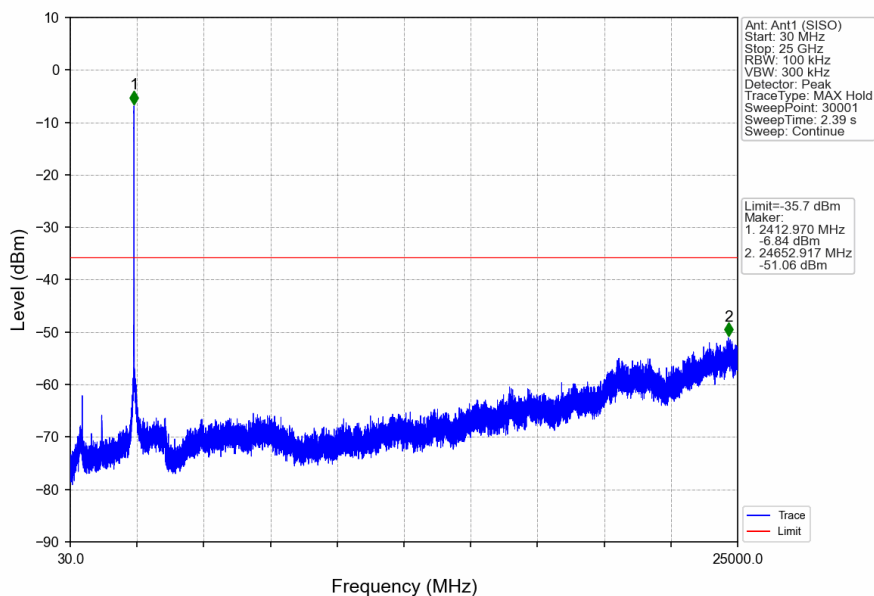
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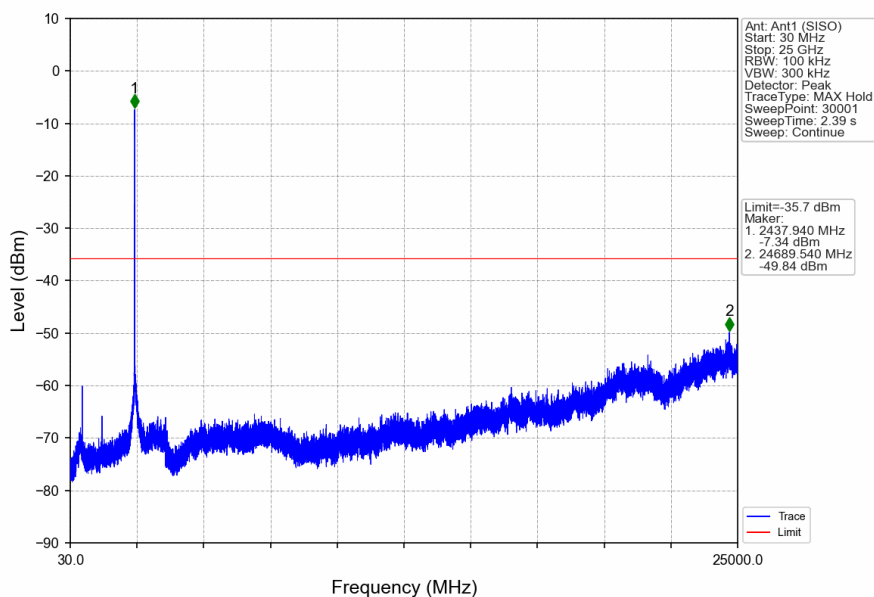
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### 802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



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



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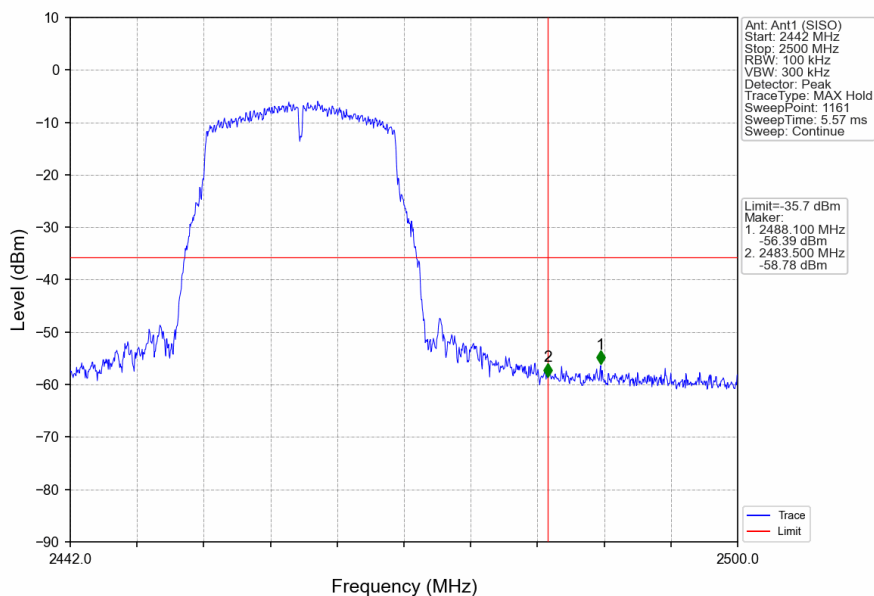
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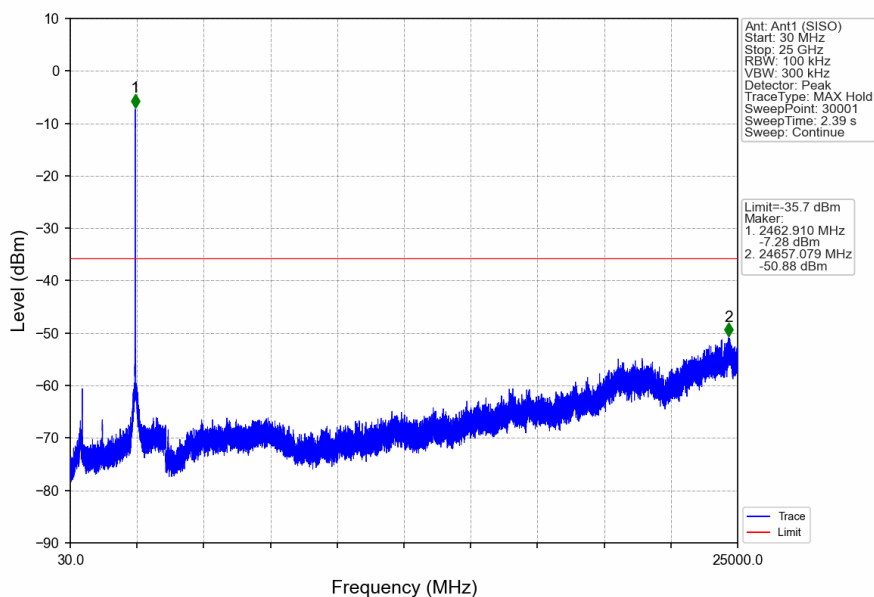
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### 802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



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



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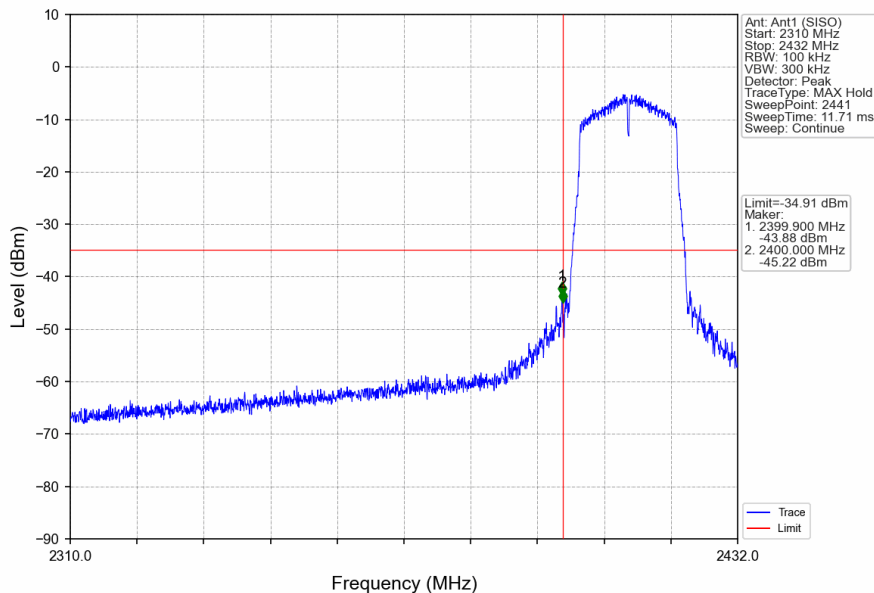
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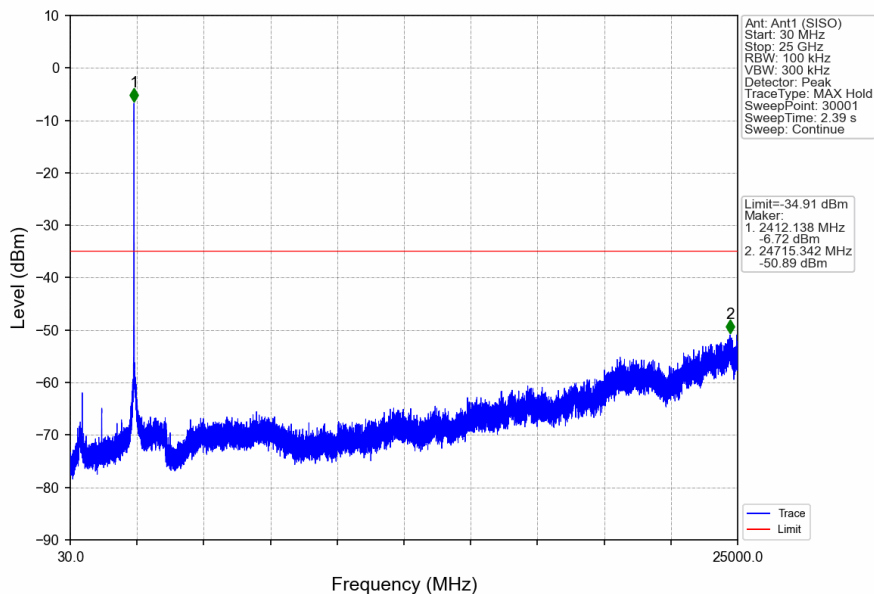
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### 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



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



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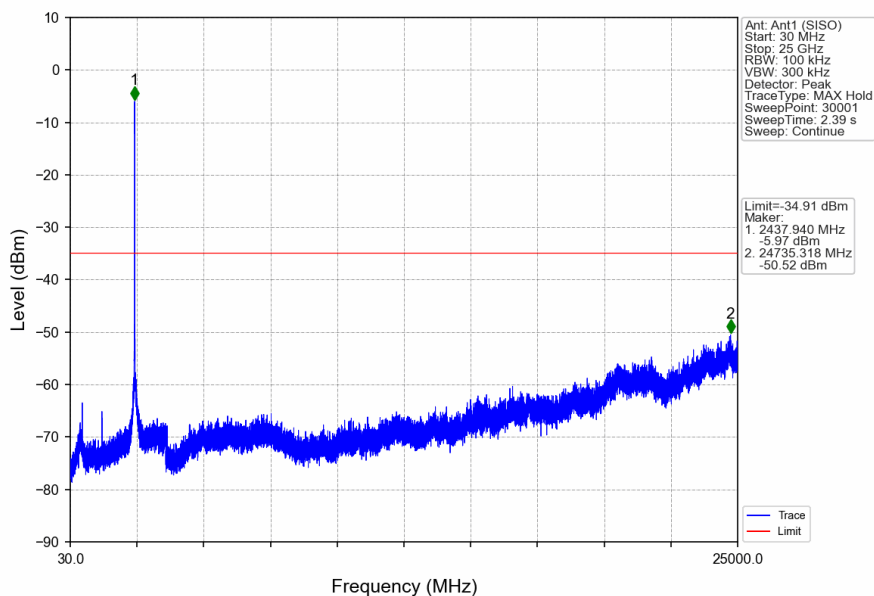
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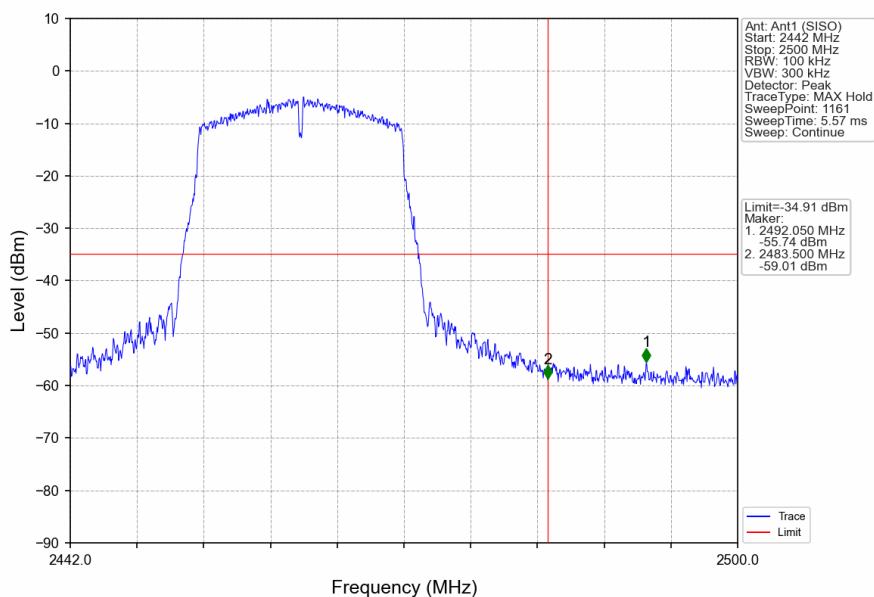
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### 802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



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



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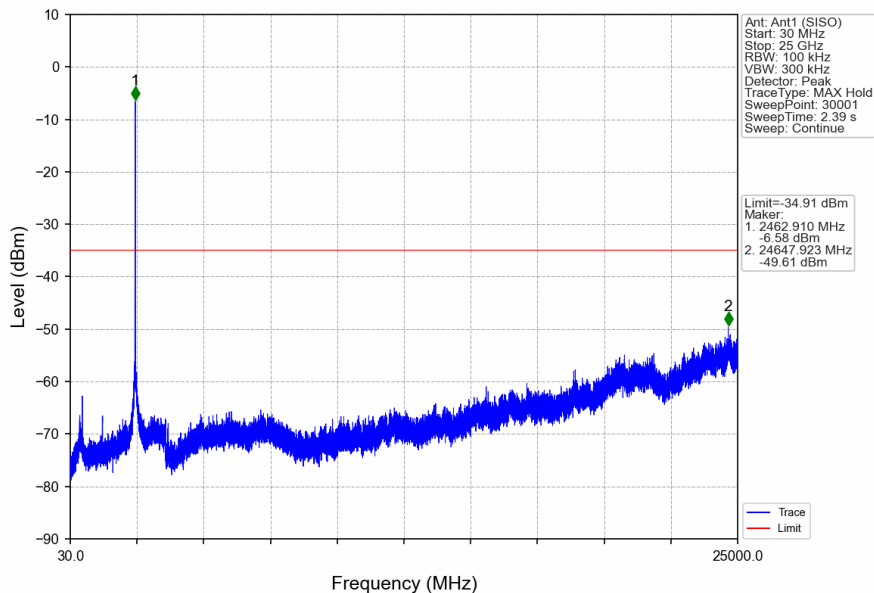
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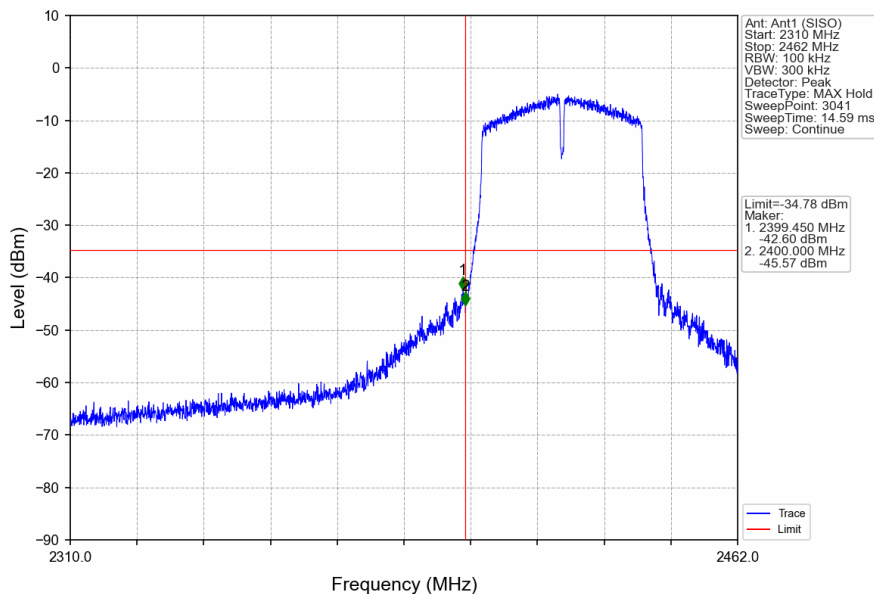
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### 802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



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



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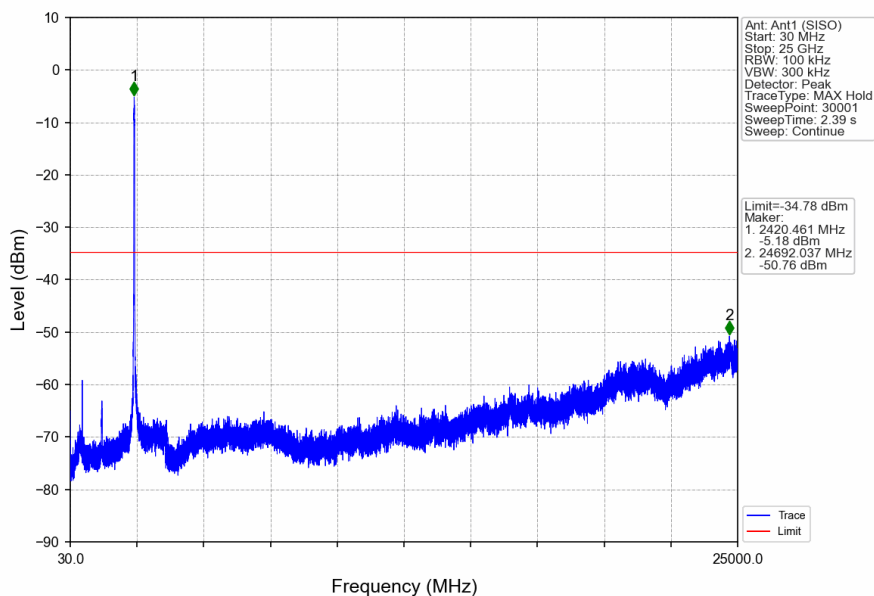
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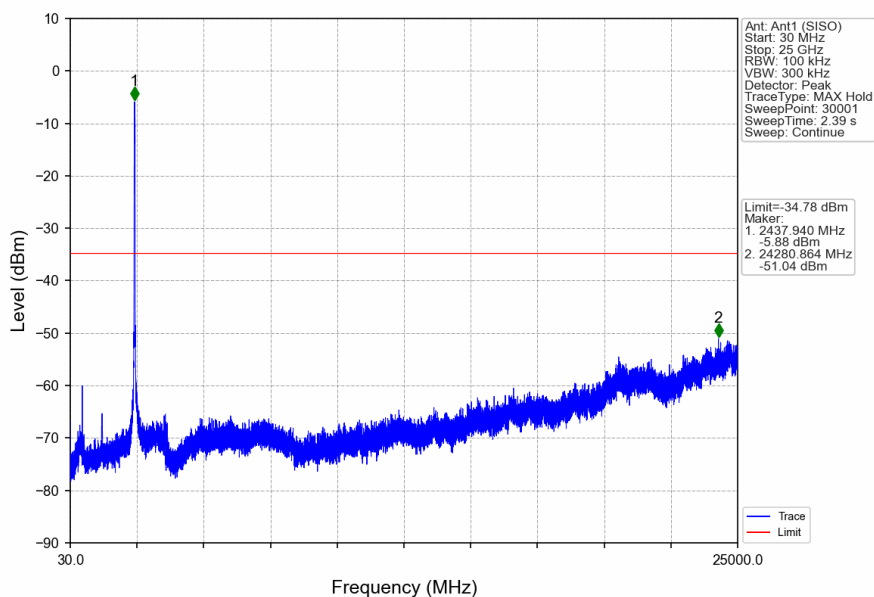
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### 802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



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



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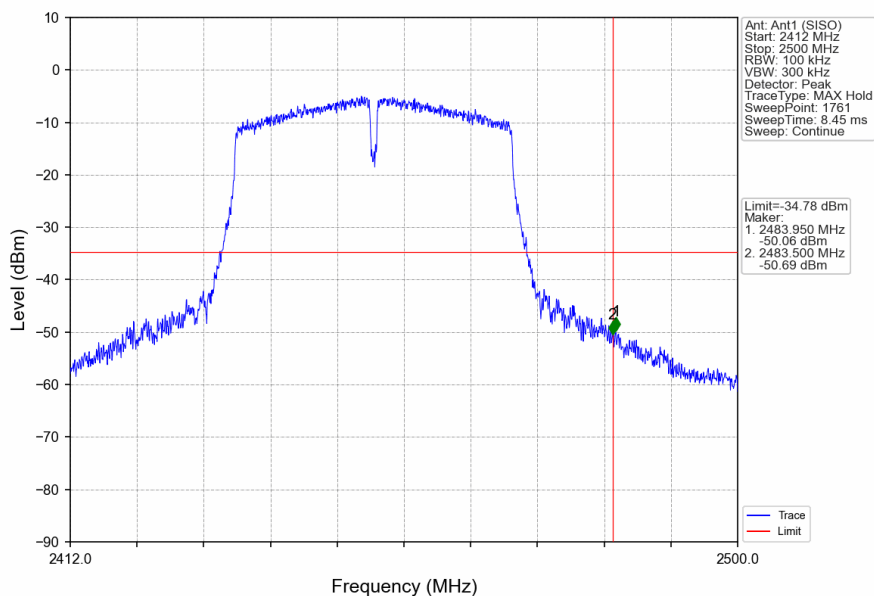
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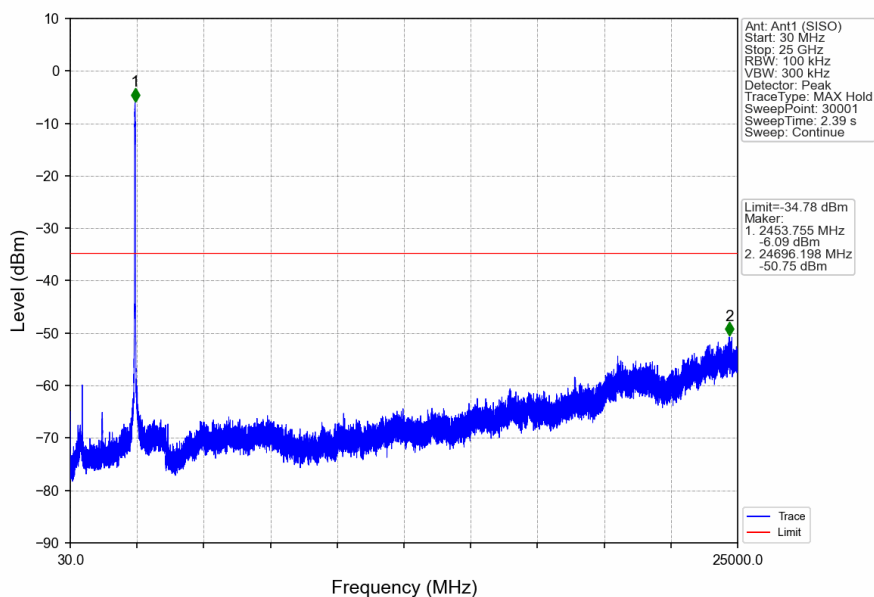
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### 802.11n(HT40)\_HCH\_2452MHz\_Ant1 (SISO)\_NTNV



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



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