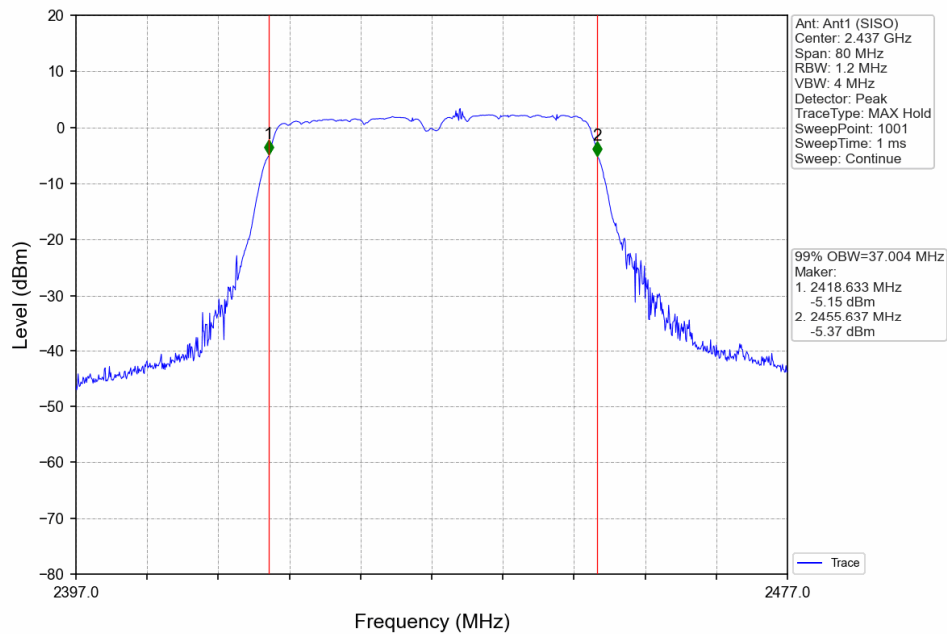
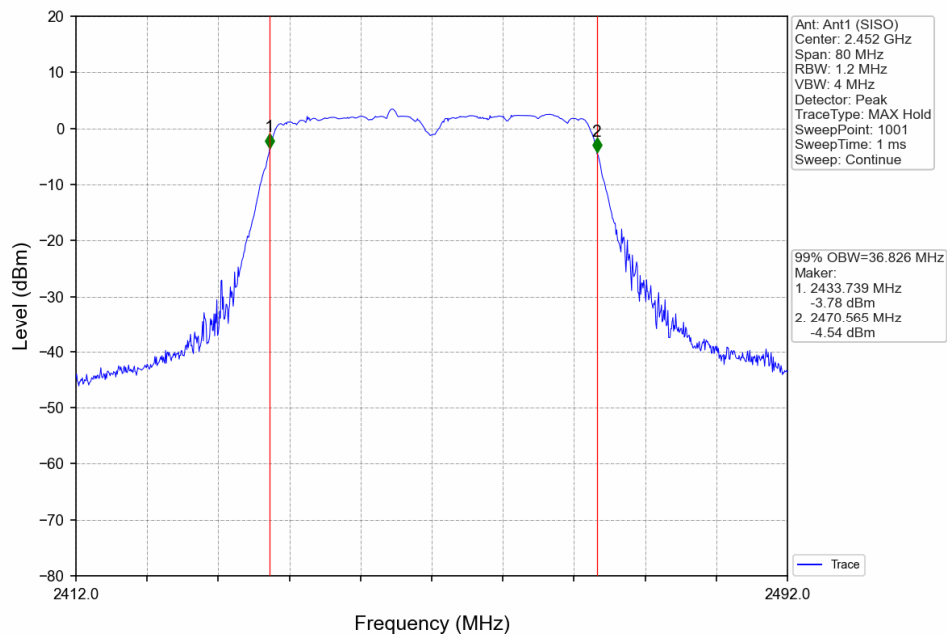


### 802.11n(HT40)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



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



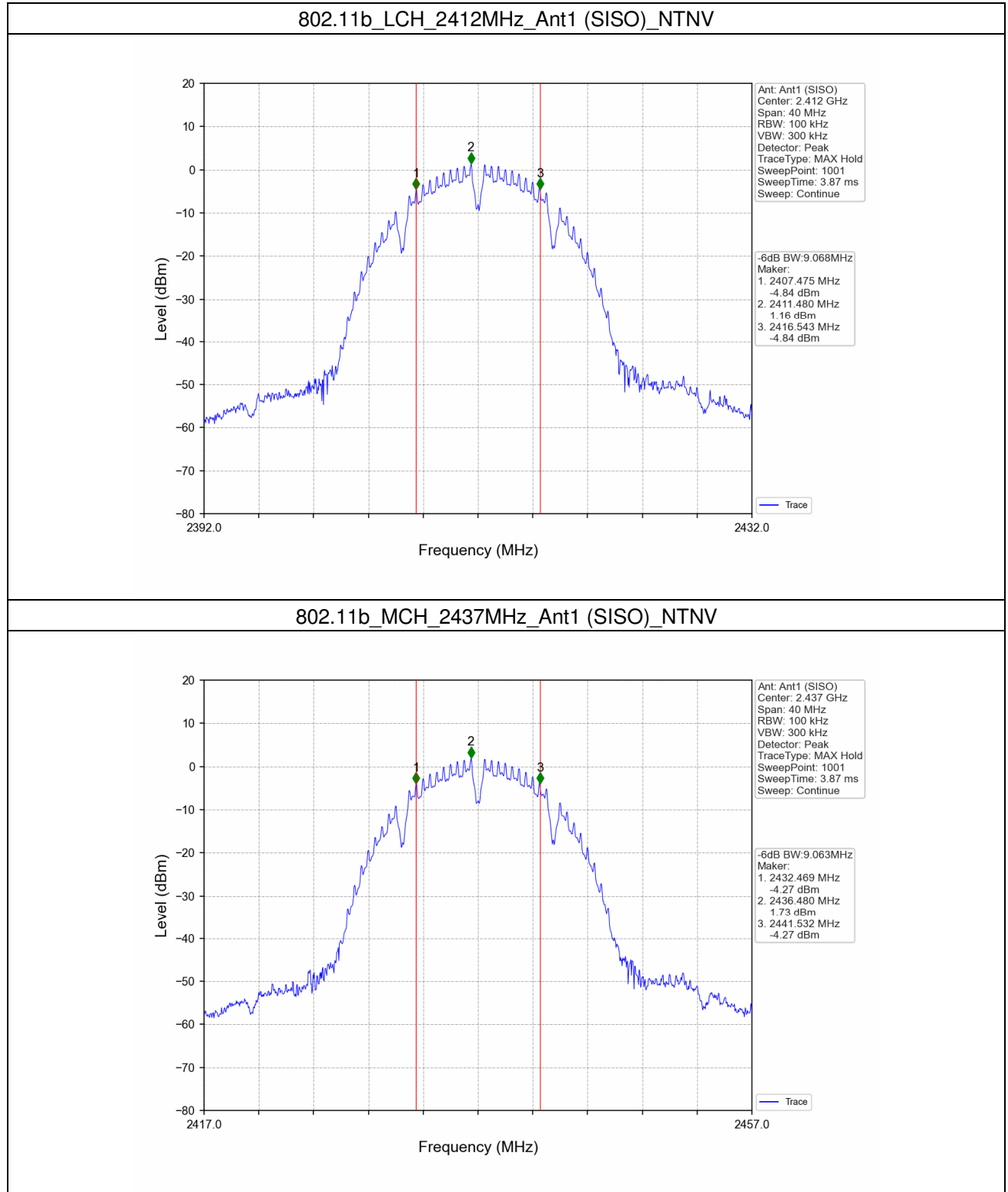
## 2.2 6dB BW

### 2.2.1 Test Result

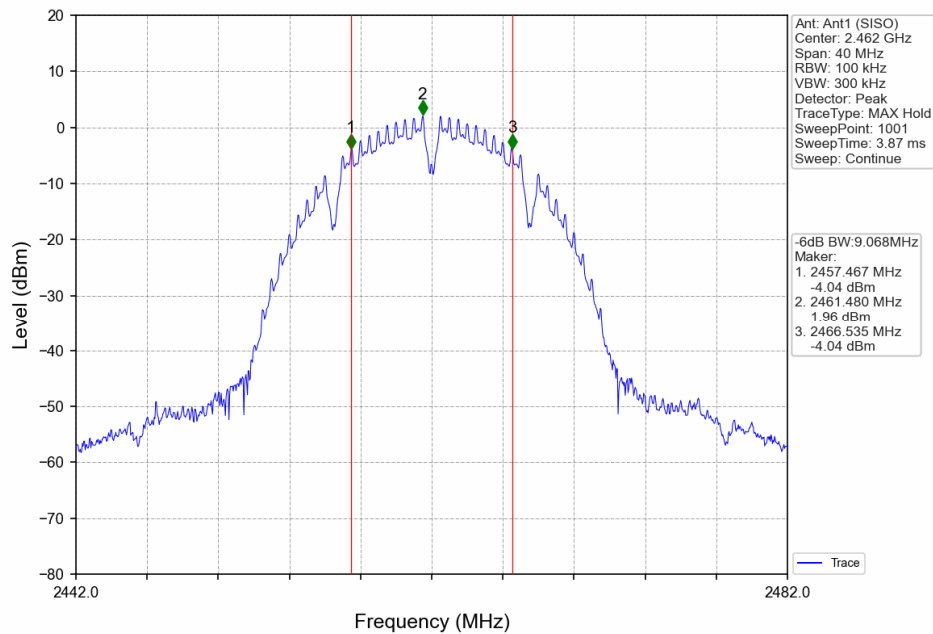
Mode	TX Type	Frequency (MHz)	Ant	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	9.068	$\geq 0.5$	Pass
		2437	1	9.063	$\geq 0.5$	Pass
		2462	1	9.068	$\geq 0.5$	Pass
802.11g	SISO	2412	1	16.381	$\geq 0.5$	Pass
		2437	1	16.379	$\geq 0.5$	Pass
		2462	1	16.391	$\geq 0.5$	Pass
802.11n (HT20)	SISO	2412	1	17.405	$\geq 0.5$	Pass
		2437	1	17.352	$\geq 0.5$	Pass
		2462	1	17.577	$\geq 0.5$	Pass
802.11n (HT40)	SISO	2422	1	35.767	$\geq 0.5$	Pass
		2437	1	35.876	$\geq 0.5$	Pass
		2452	1	36.084	$\geq 0.5$	Pass



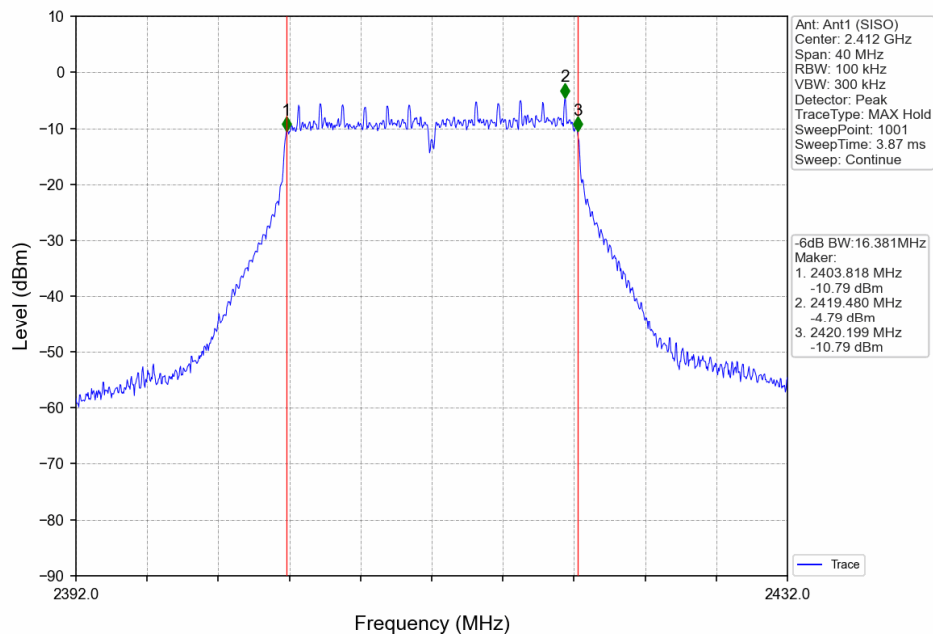
### 2.2.2 Test Graph



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



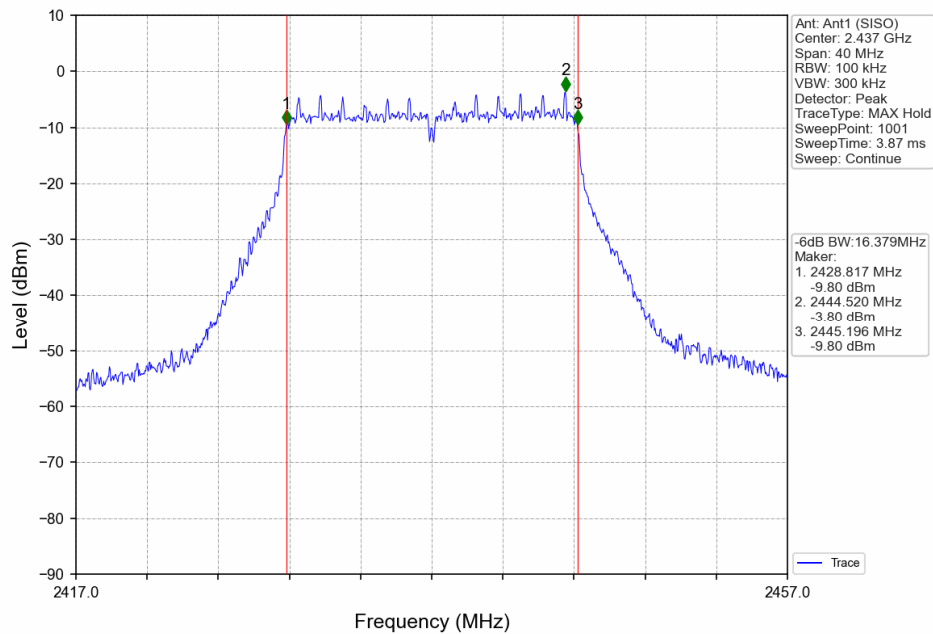
### 802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



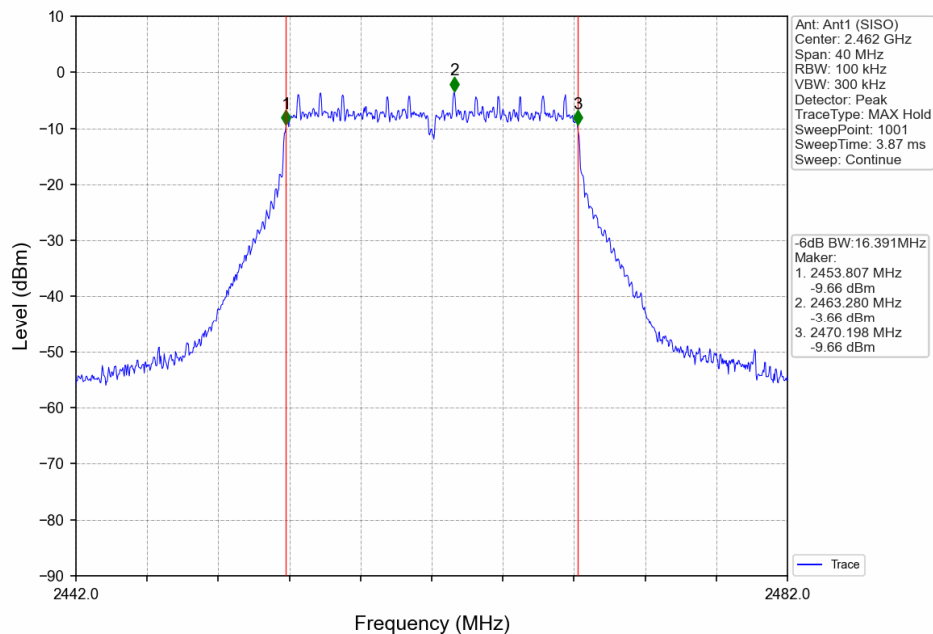
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### 802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



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

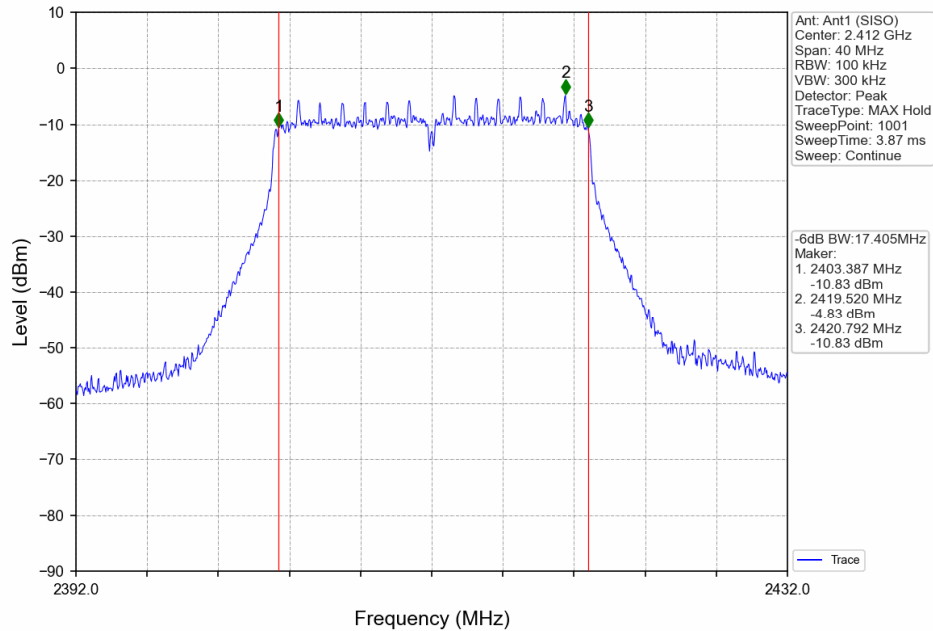


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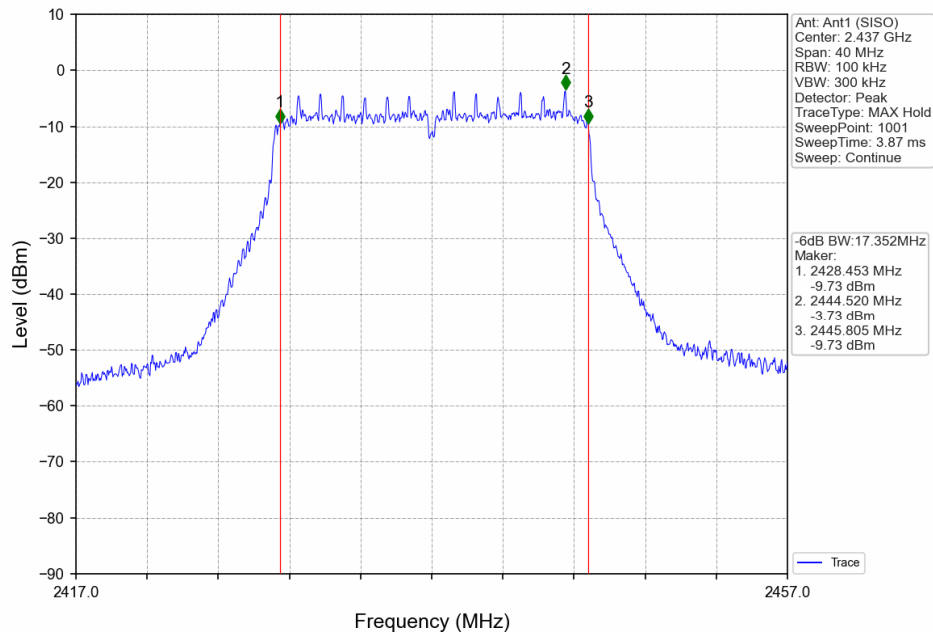
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### 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



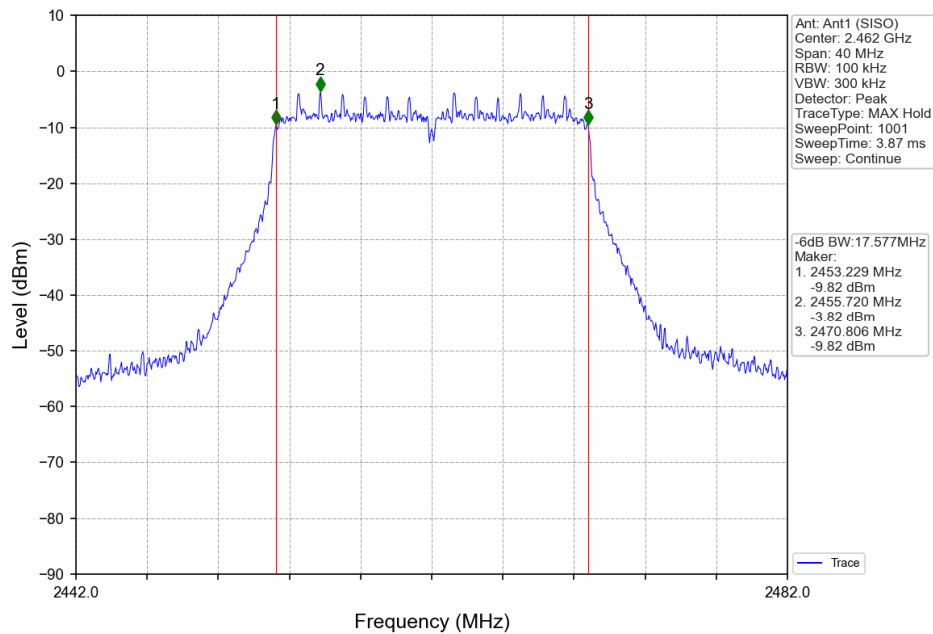
### 802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



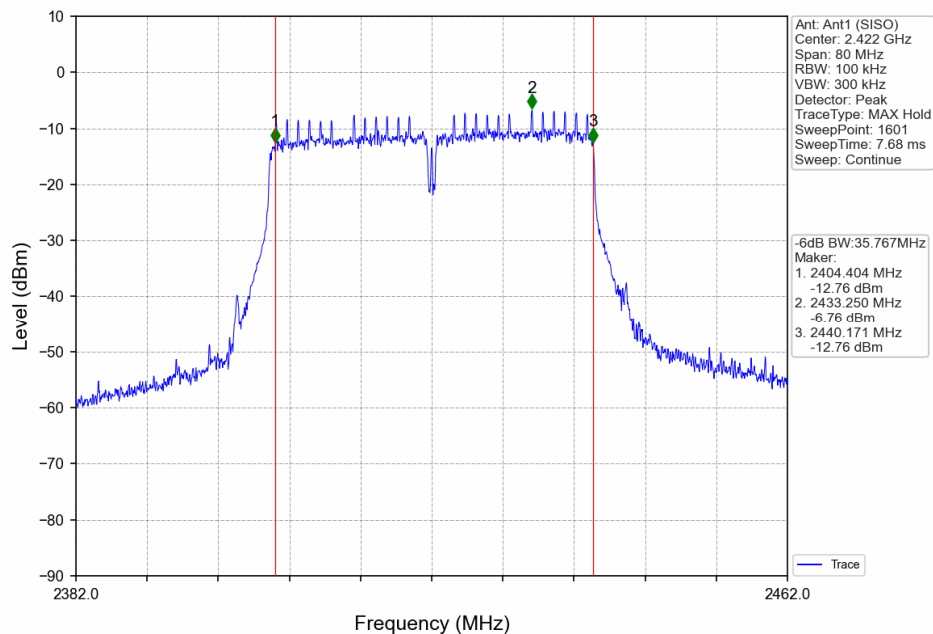
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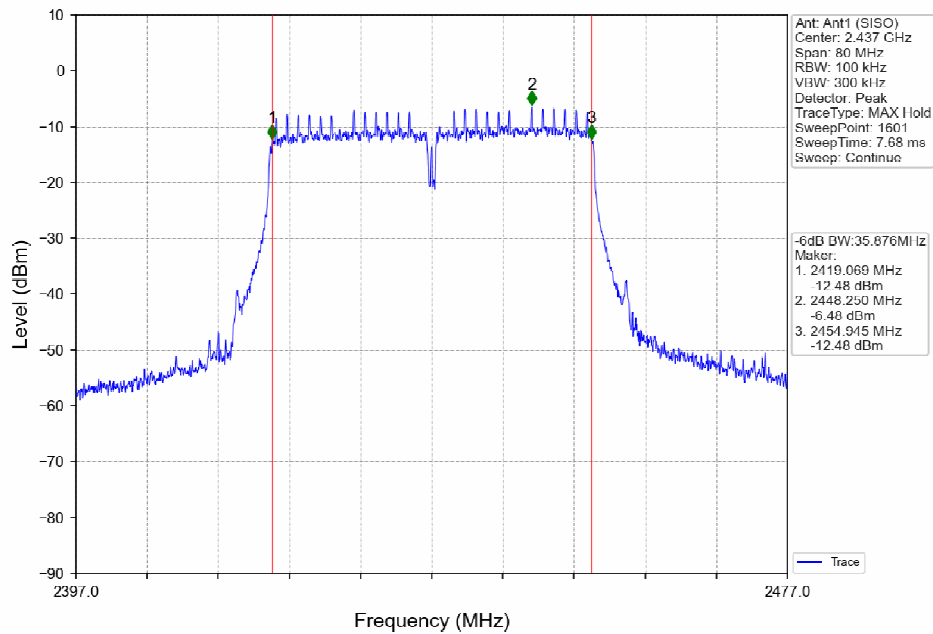
### 802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



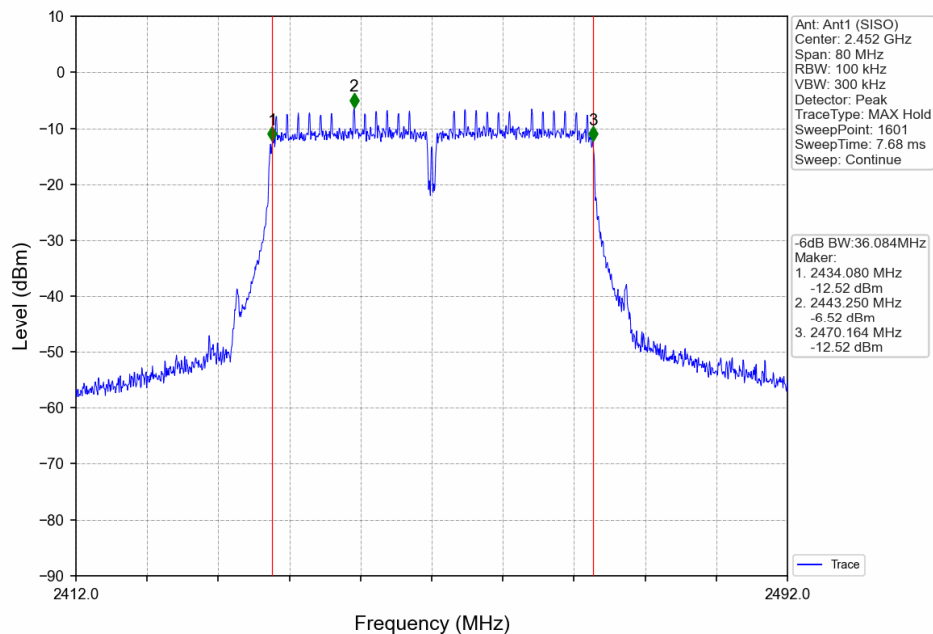
### 802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



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



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





### 3. Maximum Conducted Output Power

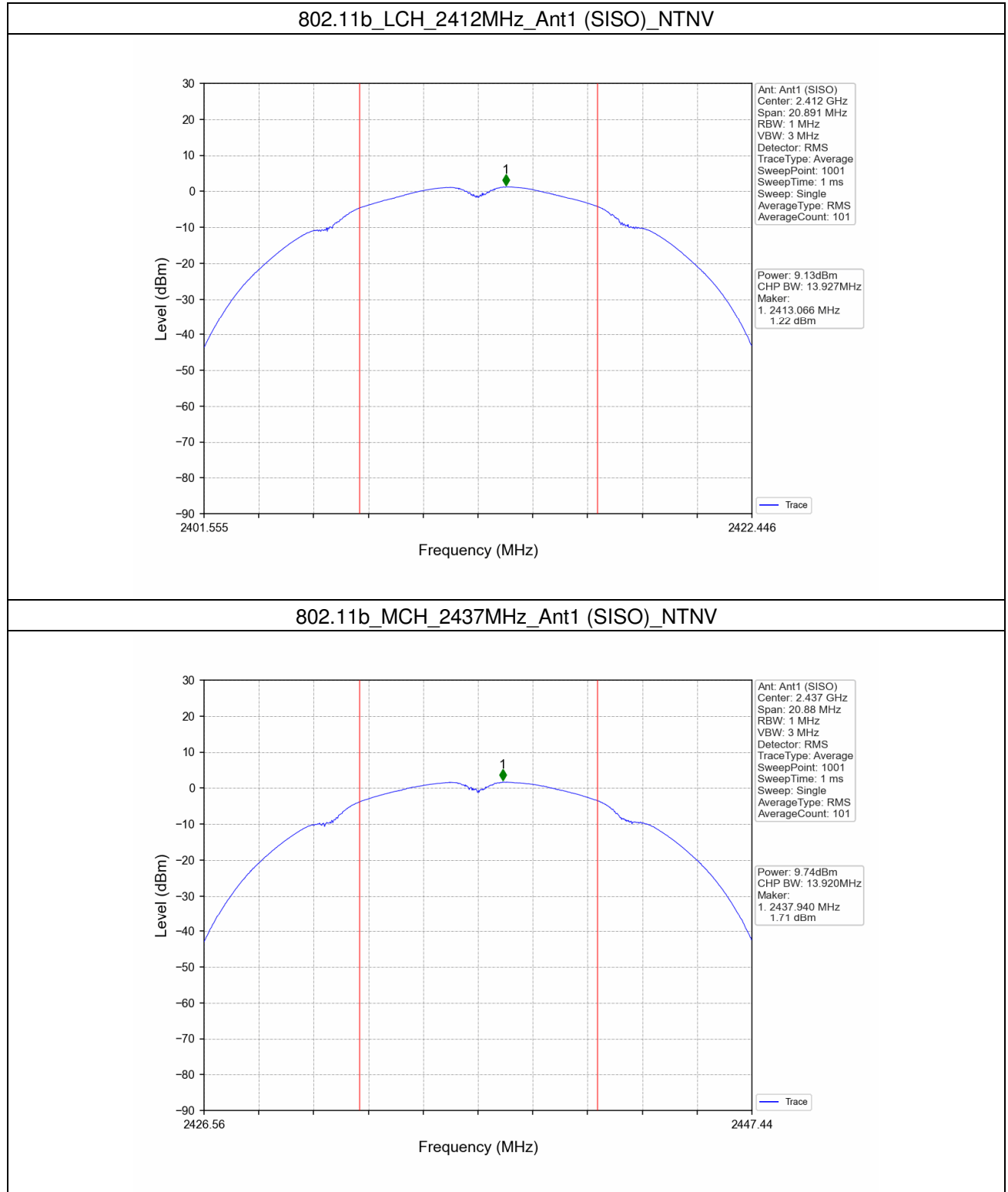
#### 3.1 Power

##### 3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Measured Peak Output Power (dBm)		Verdict
			Ant1	Limit	
802.11b	SISO	2412	9.13	<=30	Pass
		2437	9.74	<=30	Pass
		2462	10.02	<=30	Pass
802.11g	SISO	2412	6.18	<=30	Pass
		2437	7.29	<=30	Pass
		2462	7.62	<=30	Pass
802.11n (HT20)	SISO	2412	6.18	<=30	Pass
		2437	7.23	<=30	Pass
		2462	7.48	<=30	Pass
802.11n (HT40)	SISO	2422	6.92	<=30	Pass
		2437	7.40	<=30	Pass
		2452	7.71	<=30	Pass

Note1: Antenna Gain: Ant1: 2.87dBi;

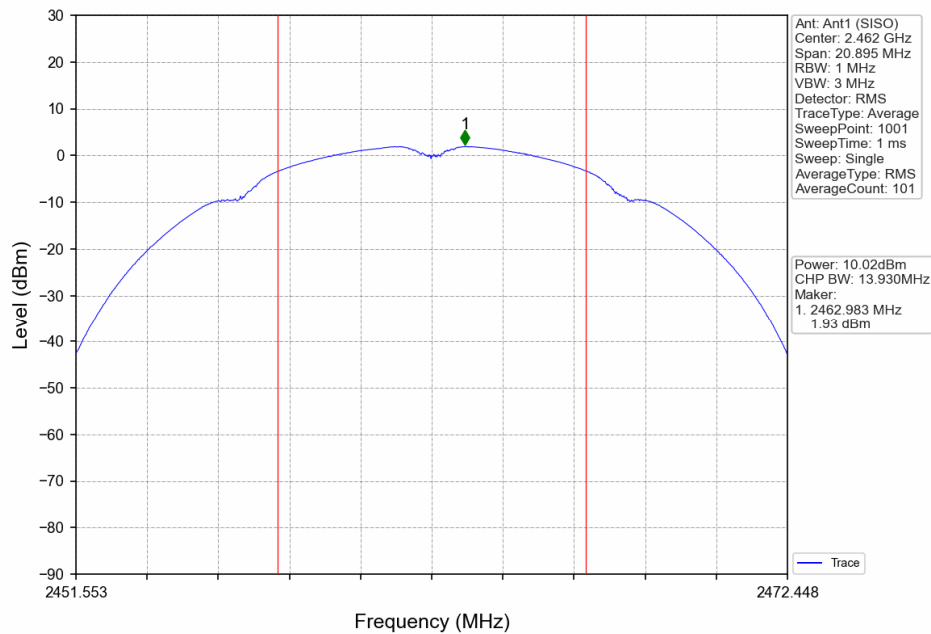
### 3.1.2 Test Graph



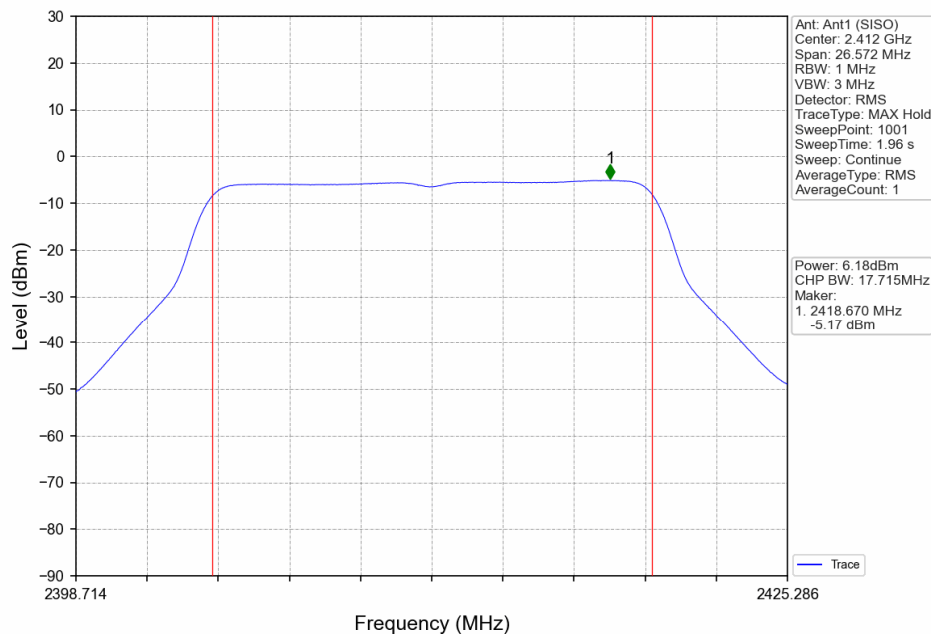
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### 802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



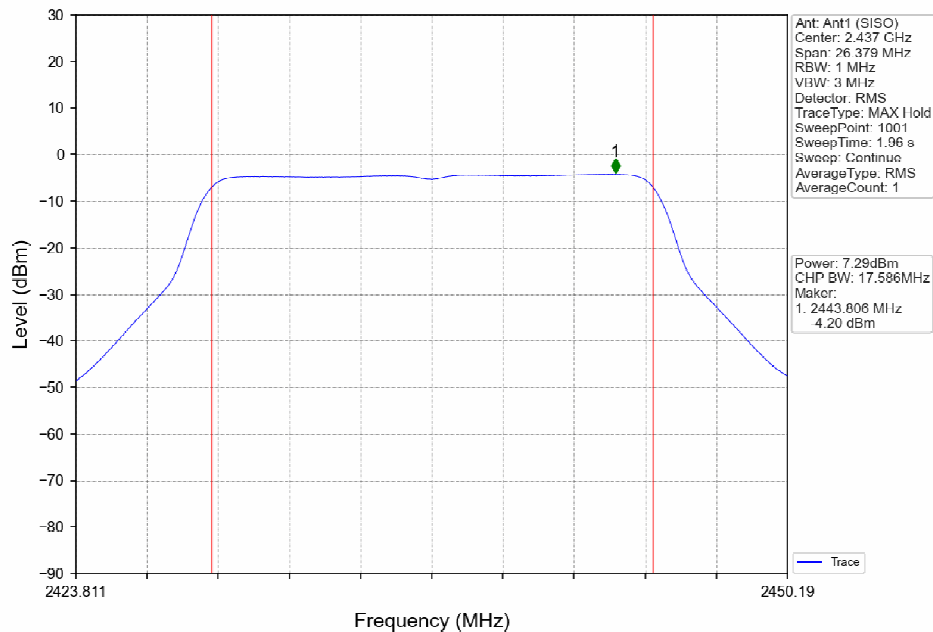
### 802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



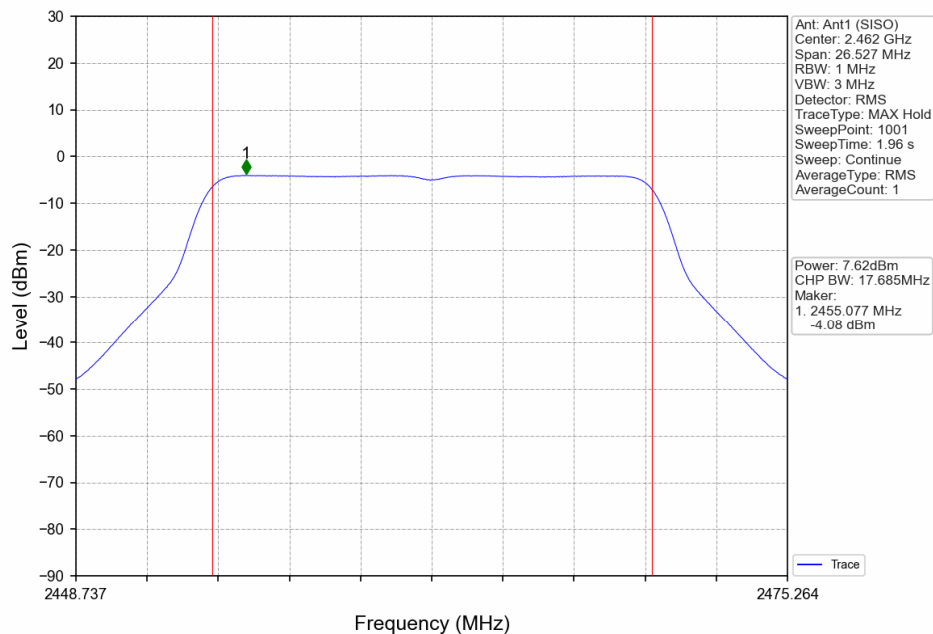
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### 802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



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

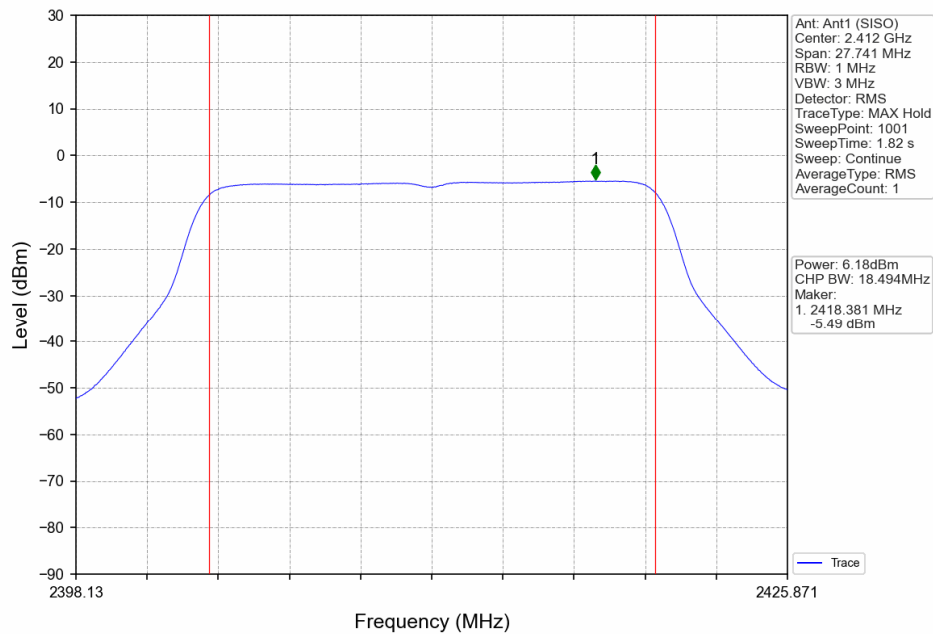


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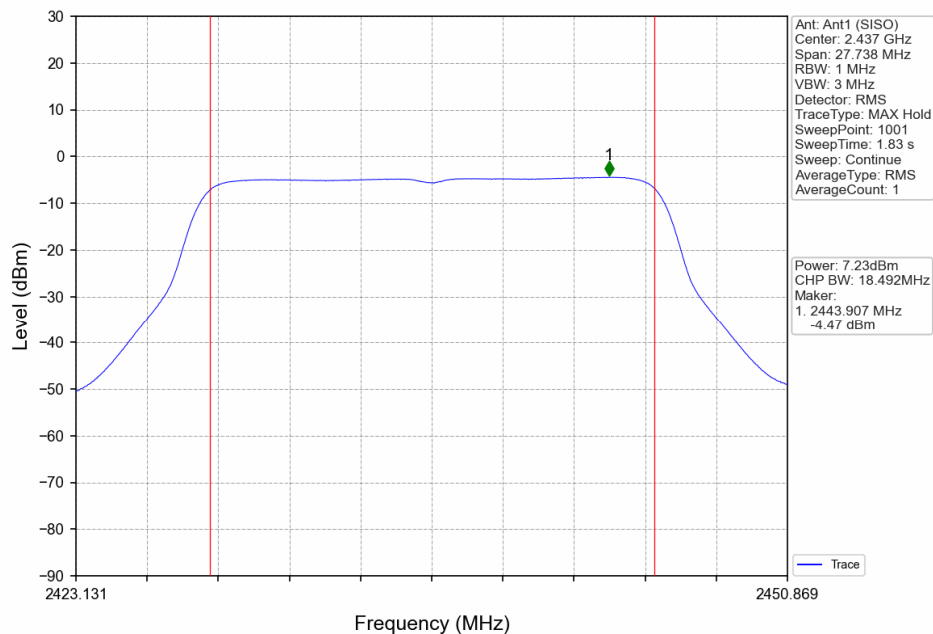
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### 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



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



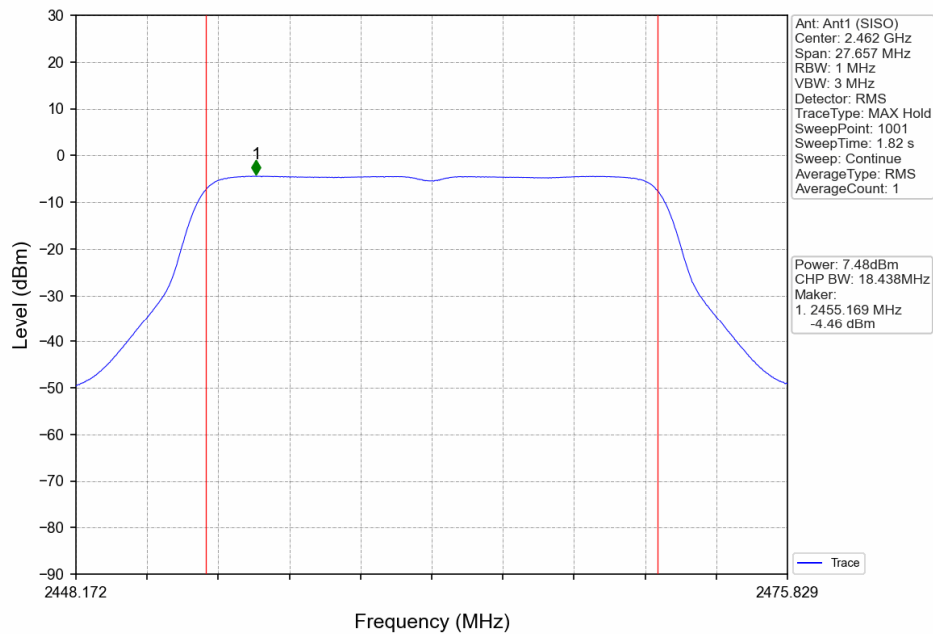
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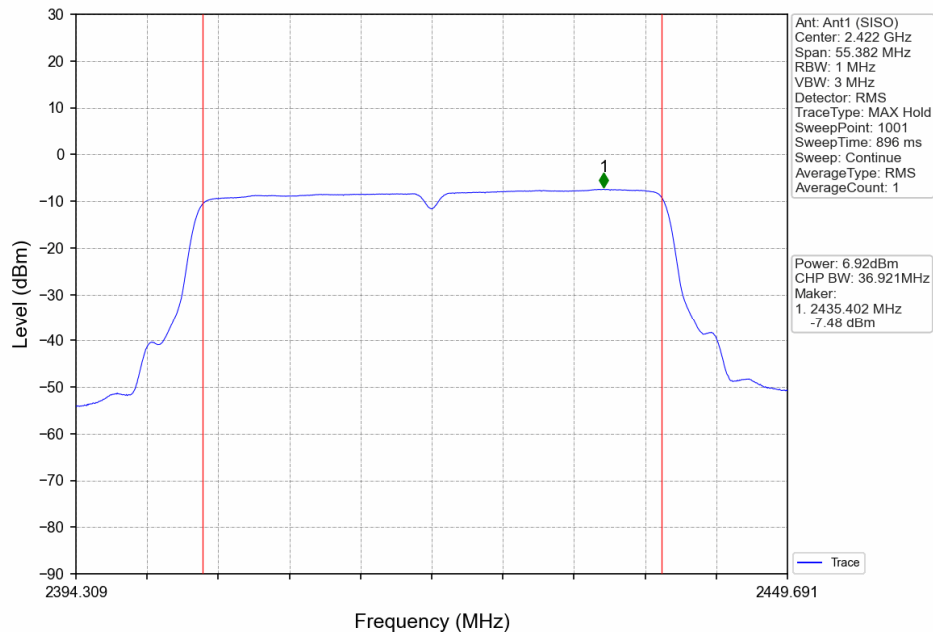
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### 802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



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



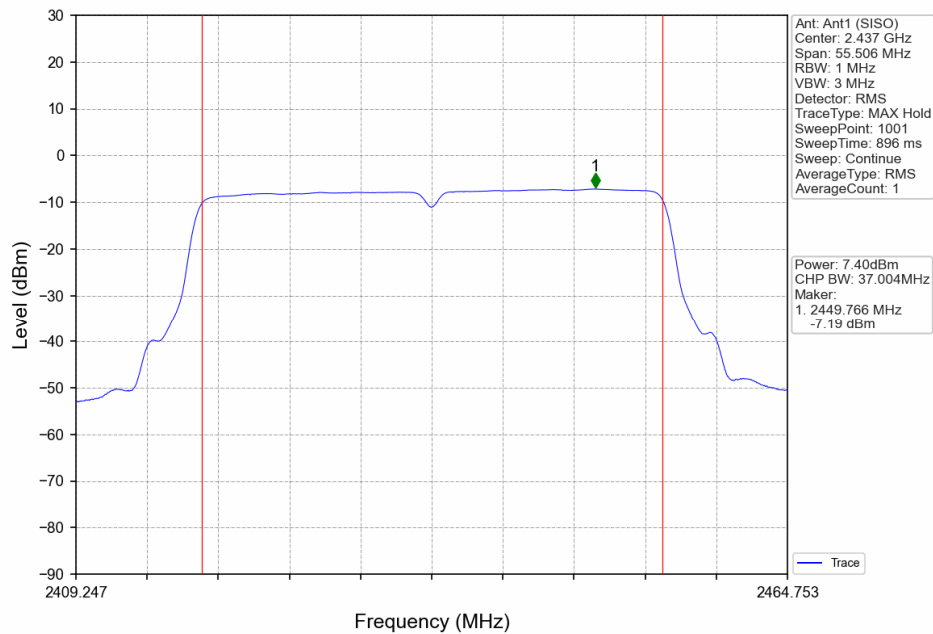
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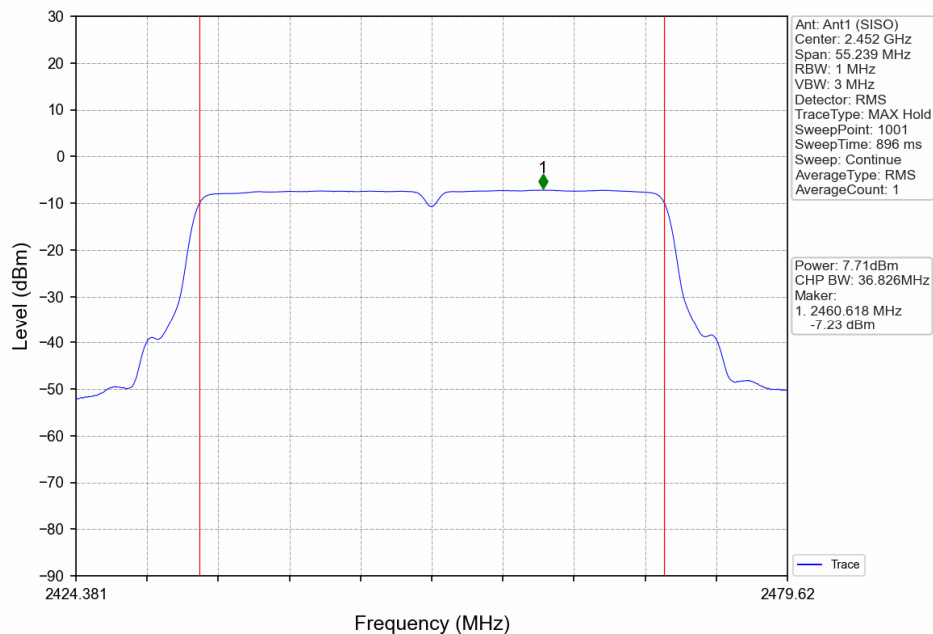
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### 802.11n(HT40)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



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



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## 4. Maximum Power Spectral Density

### 4.1 PSD

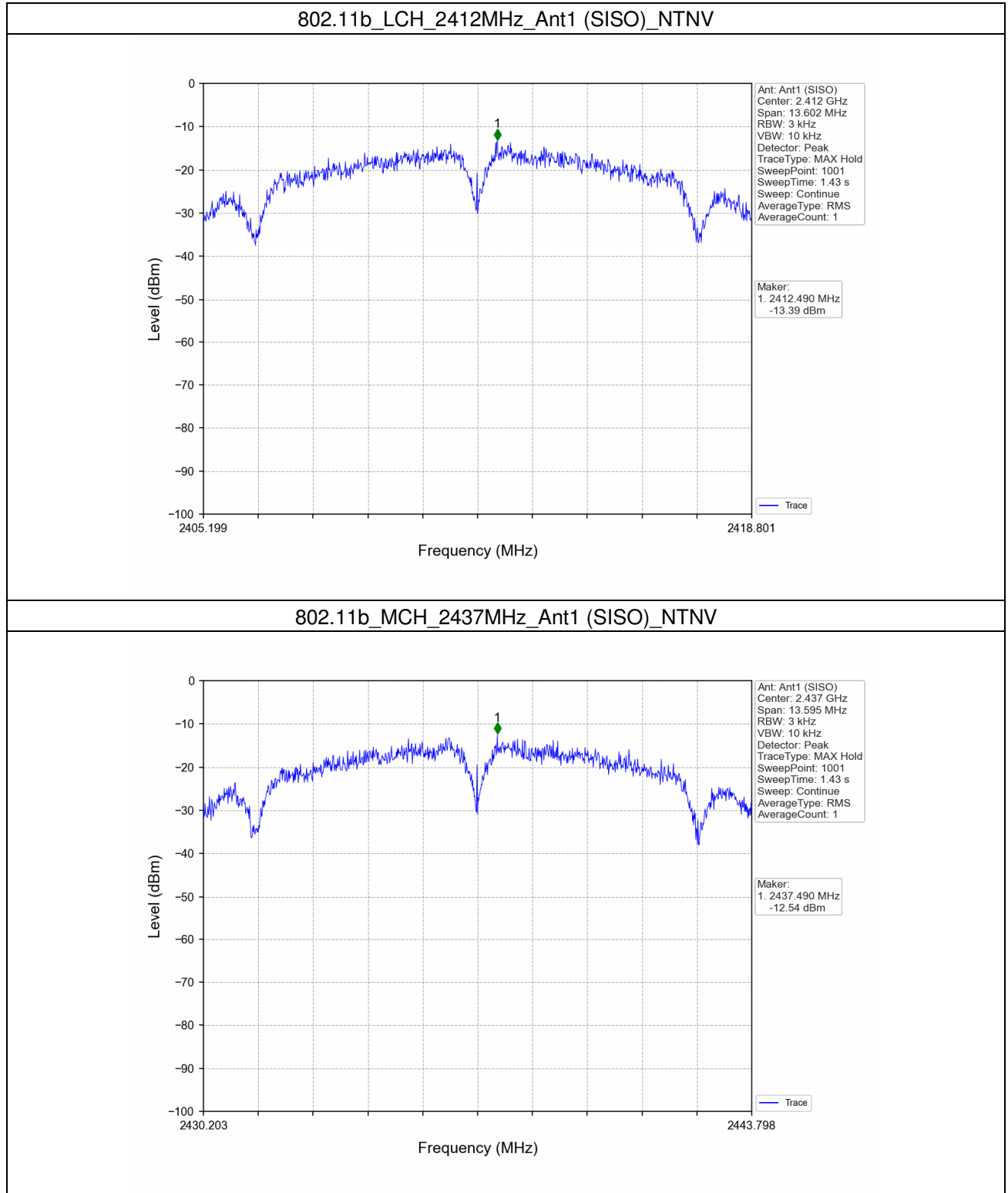
#### 4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			Ant1	Limit	
802.11b	SISO	2412	-13.39	<=8	Pass
		2437	-12.54	<=8	Pass
		2462	-12.32	<=8	Pass
802.11g	SISO	2412	-16.62	<=8	Pass
		2437	-15.41	<=8	Pass
		2462	-15.12	<=8	Pass
802.11n (HT20)	SISO	2412	-16.58	<=8	Pass
		2437	-15.49	<=8	Pass
		2462	-15.16	<=8	Pass
802.11n (HT40)	SISO	2422	-16.09	<=8	Pass
		2437	-15.44	<=8	Pass
		2452	-15.12	<=8	Pass

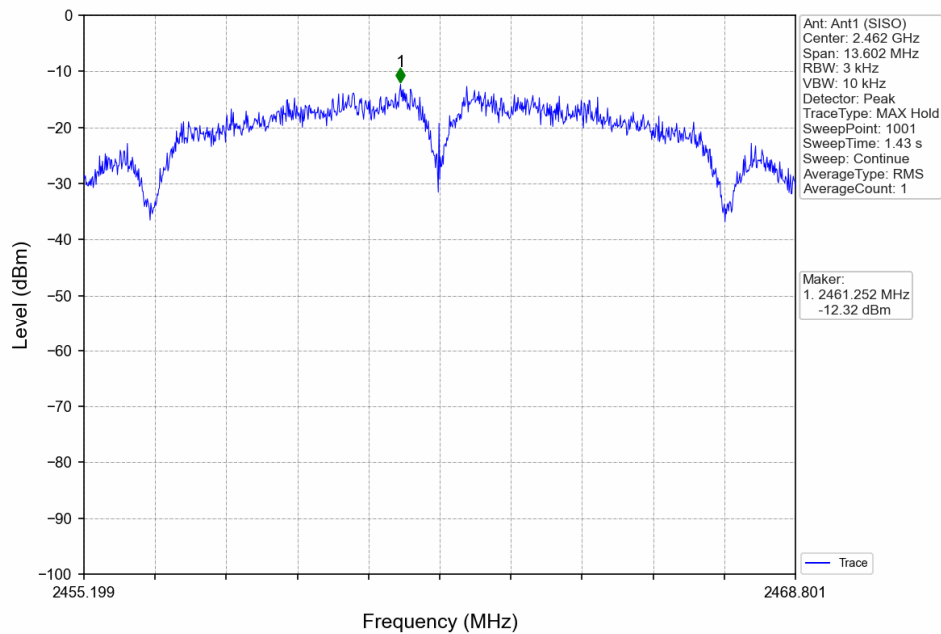
Note1: Antenna Gain: Ant1: 2.87dBi;



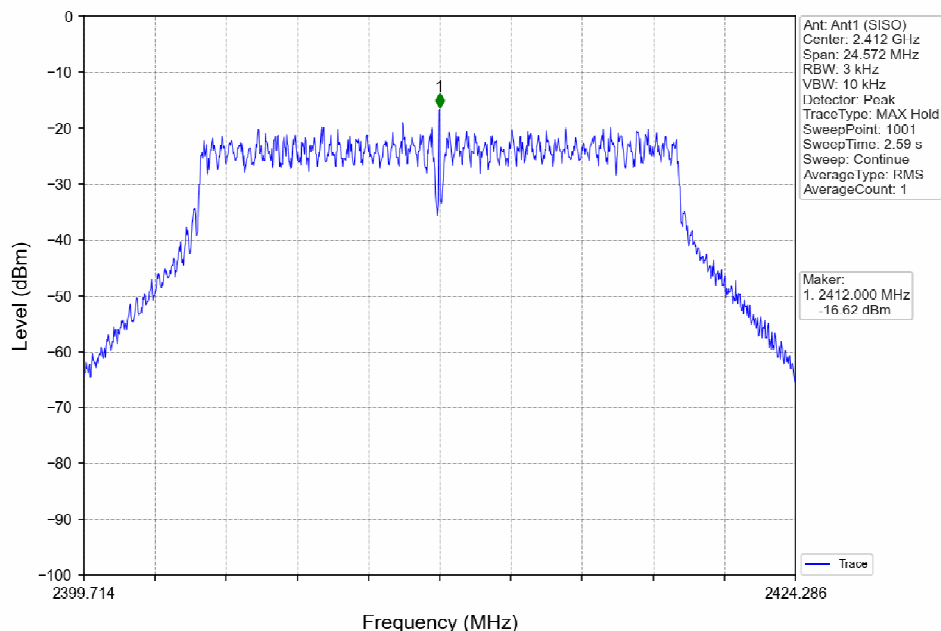
### 4.1.2 Test Graph



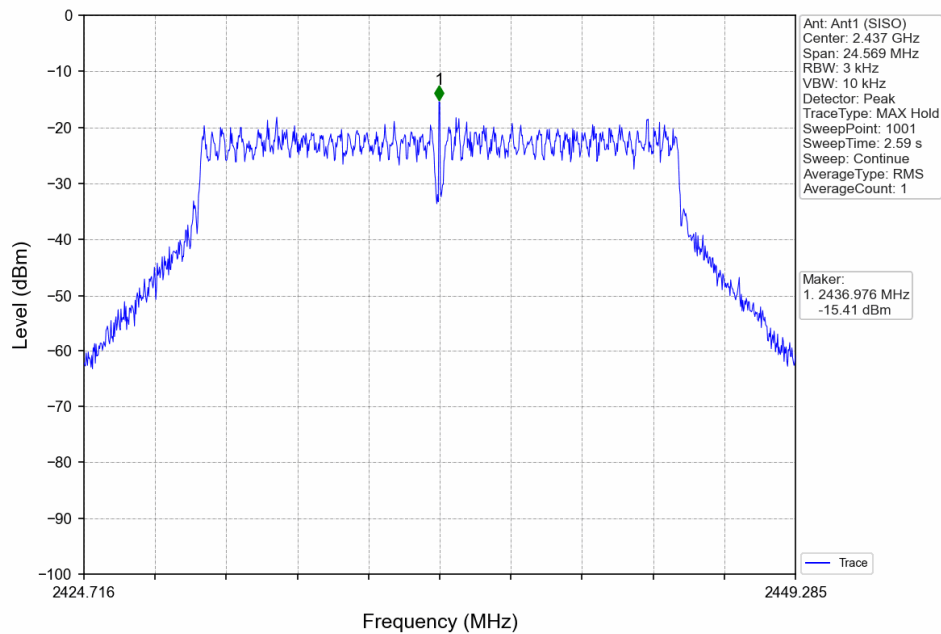
### 802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



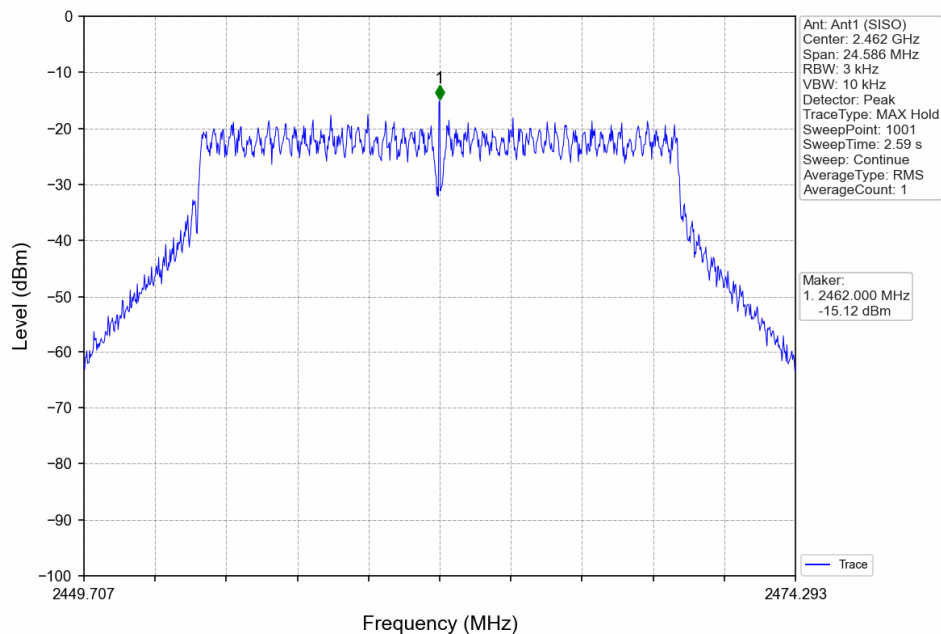
### 802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



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



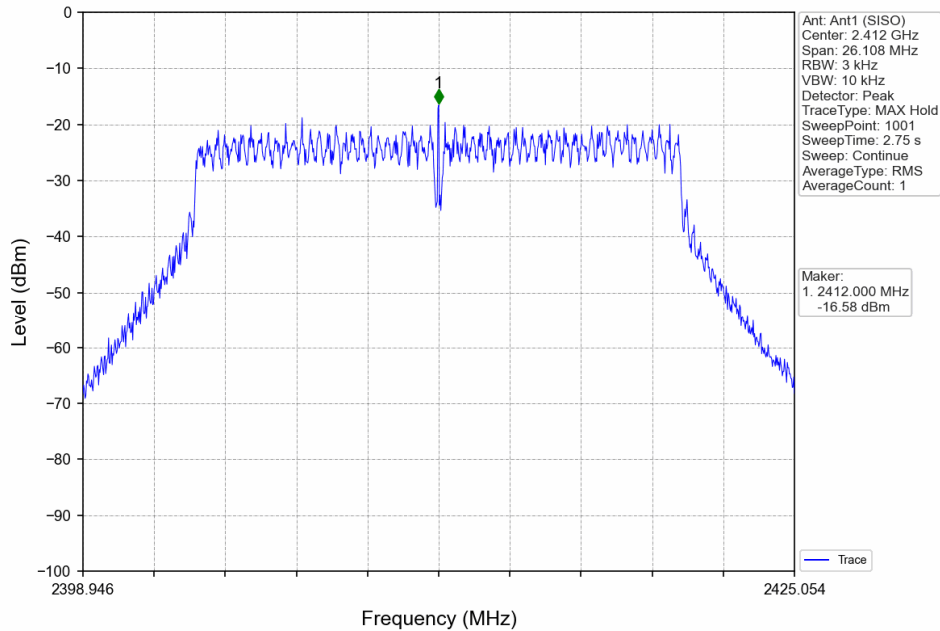
### 802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



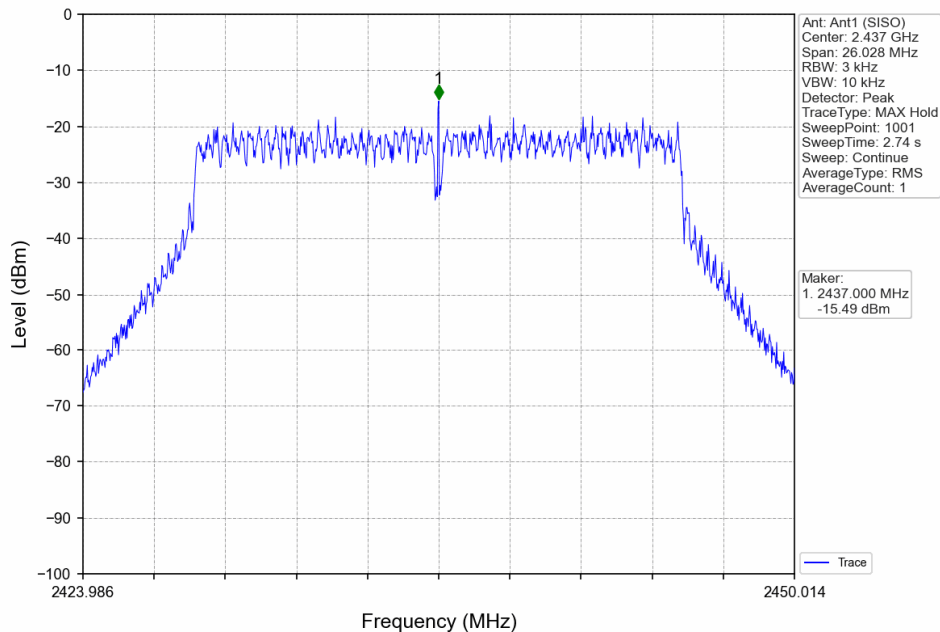
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### 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



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

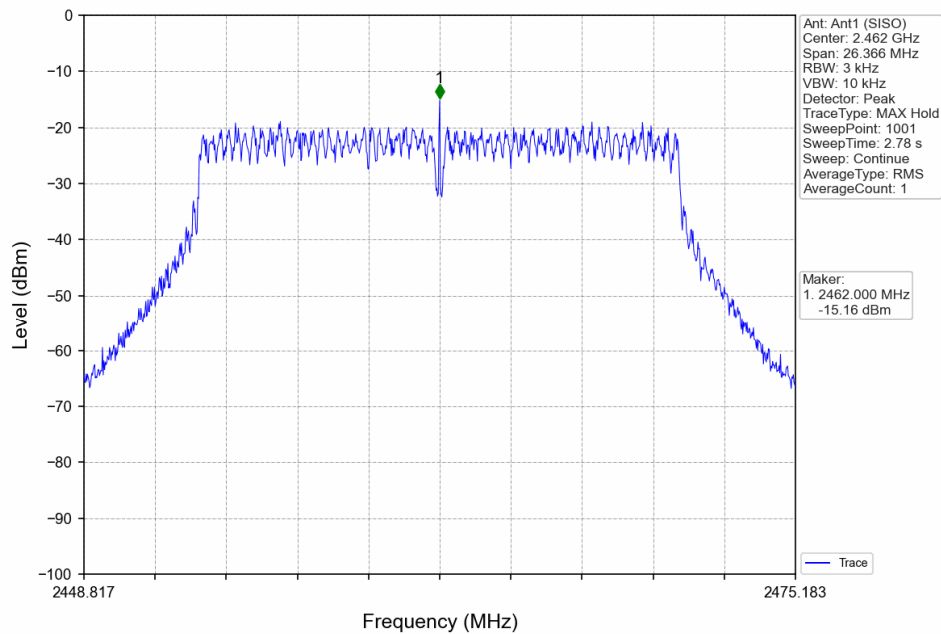


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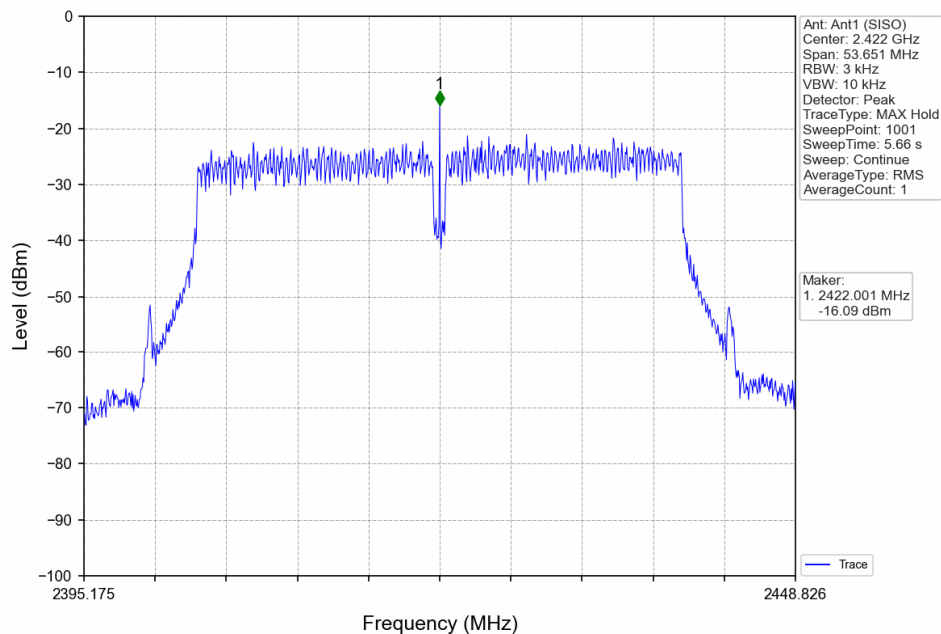
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### 802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



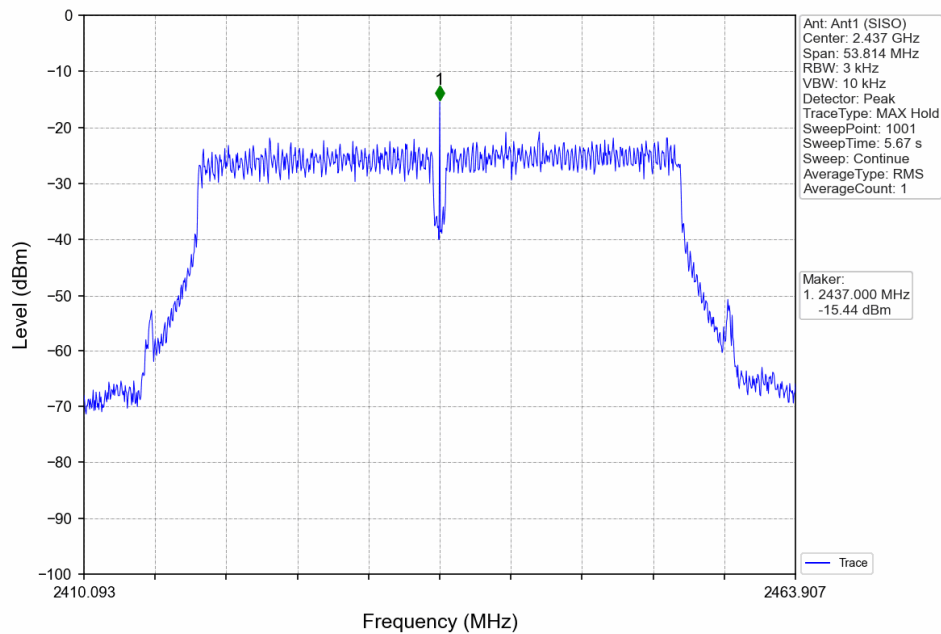
### 802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



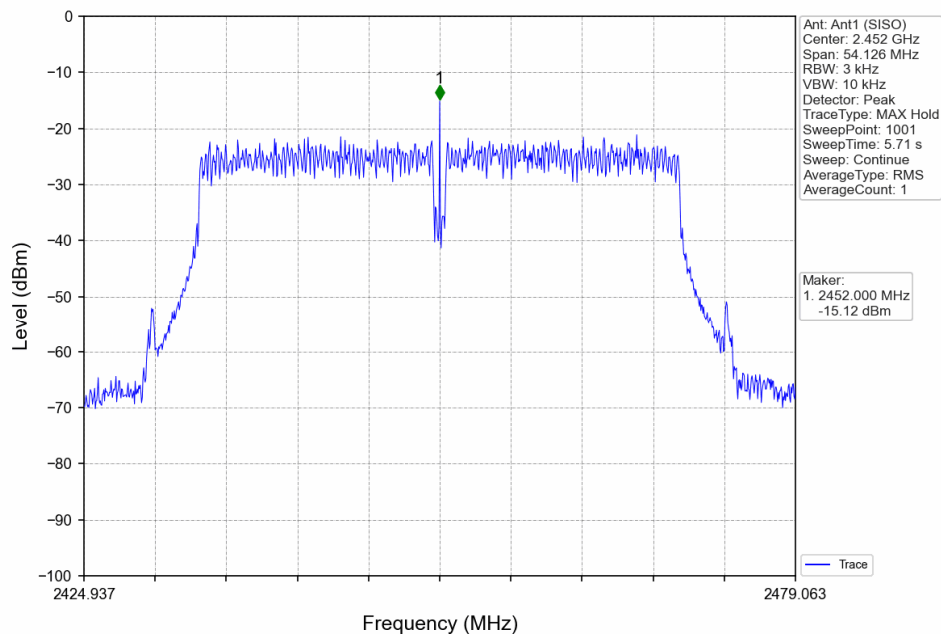
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### 802.11n(HT40)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



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



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

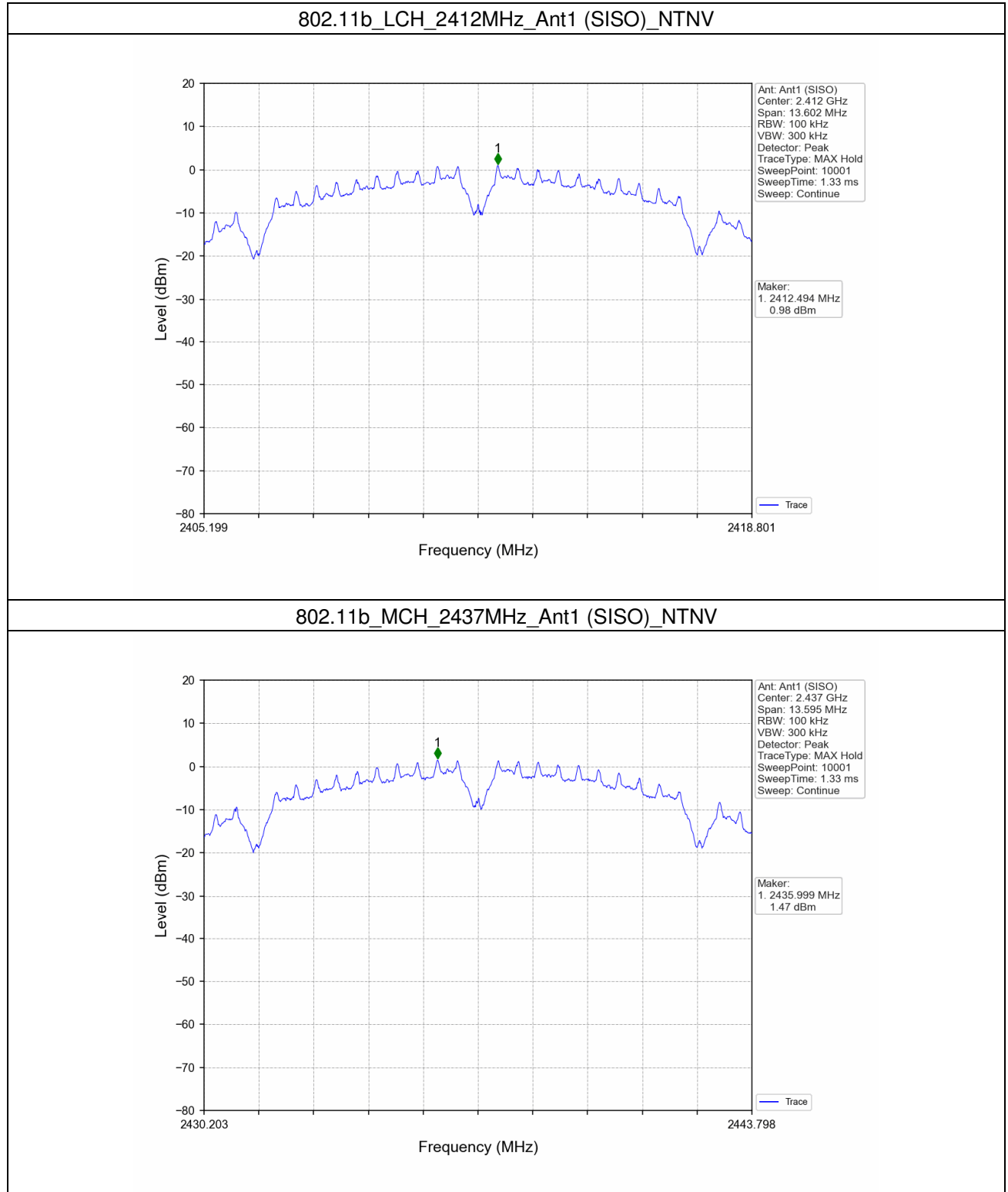
### 5.1 Ref

#### 5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)
802.11b	SISO	2412	1	0.98
		2437	1	1.47
		2462	1	1.72
802.11g	SISO	2412	1	-5.01
		2437	1	-3.84
		2462	1	-3.89
802.11n (HT20)	SISO	2412	1	-4.94
		2437	1	-3.94
		2462	1	-3.96
802.11n (HT40)	SISO	2422	1	-6.87
		2437	1	-6.90
		2452	1	-6.55

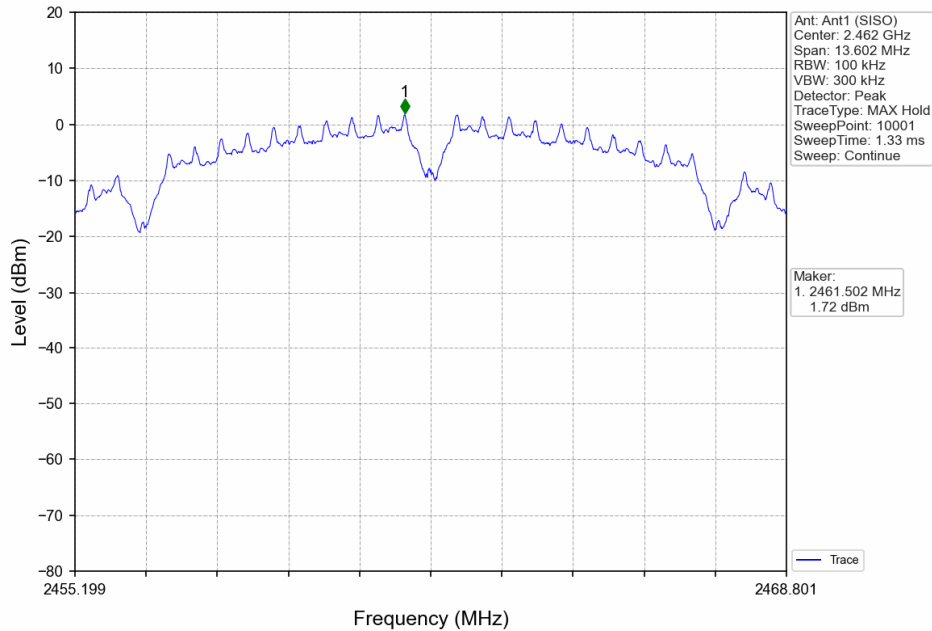
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

### 5.1.2 Test Graph

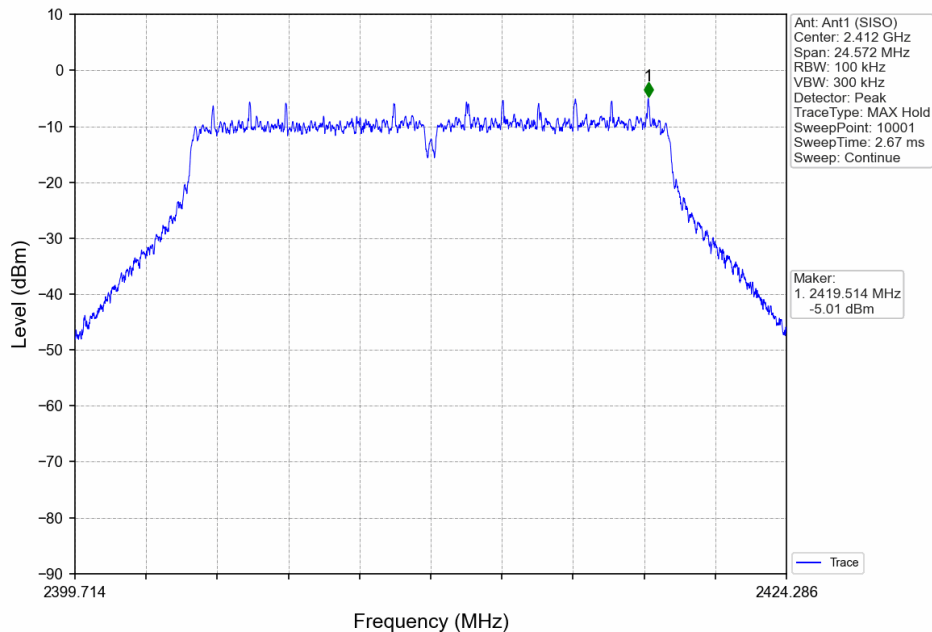




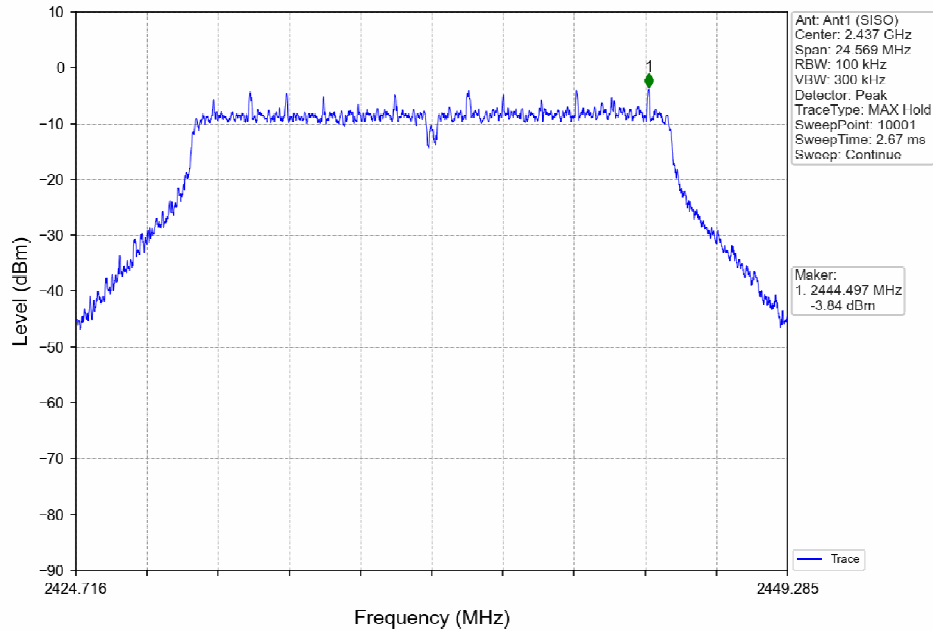
### 802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



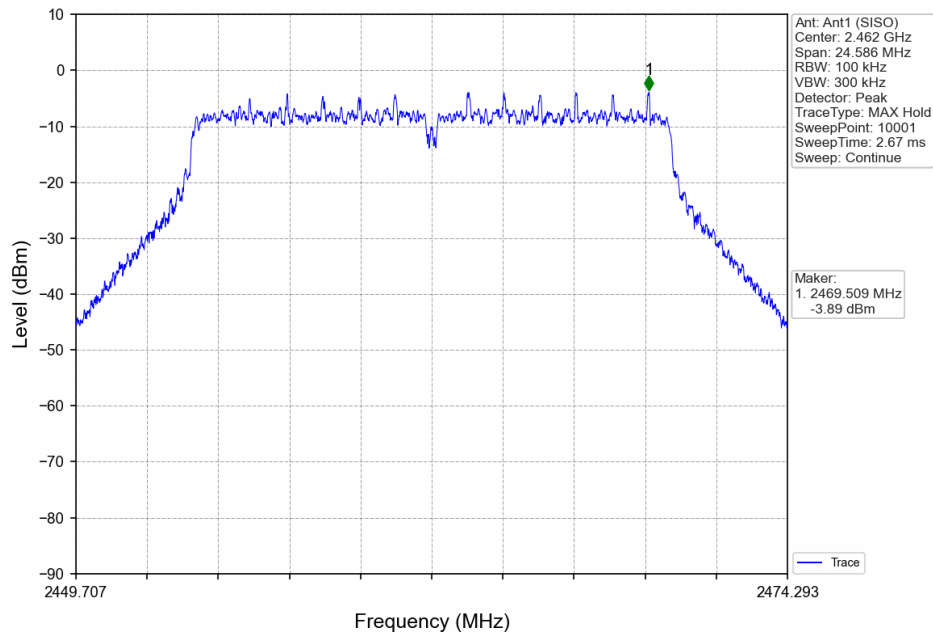
### 802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



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



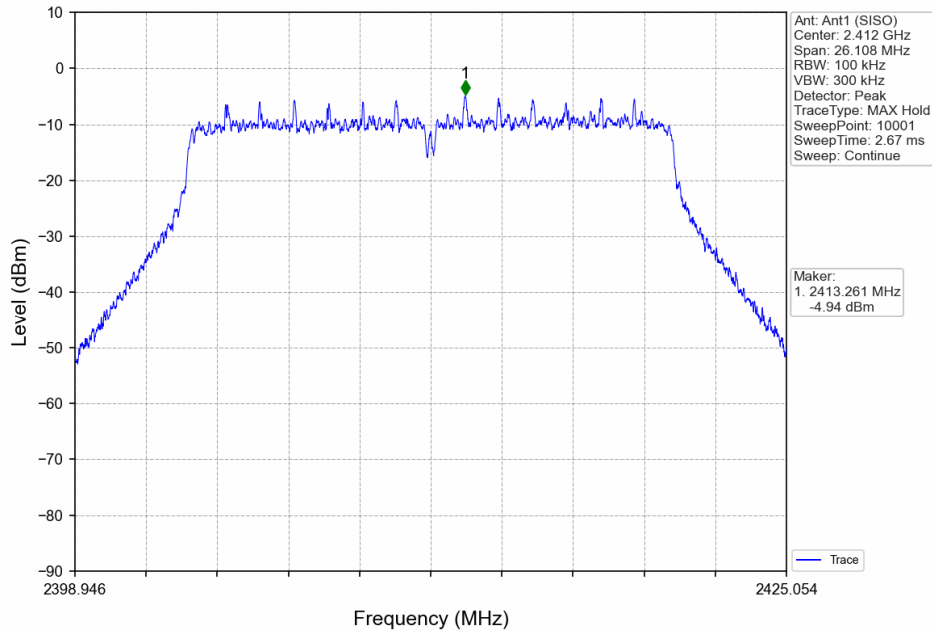
### 802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



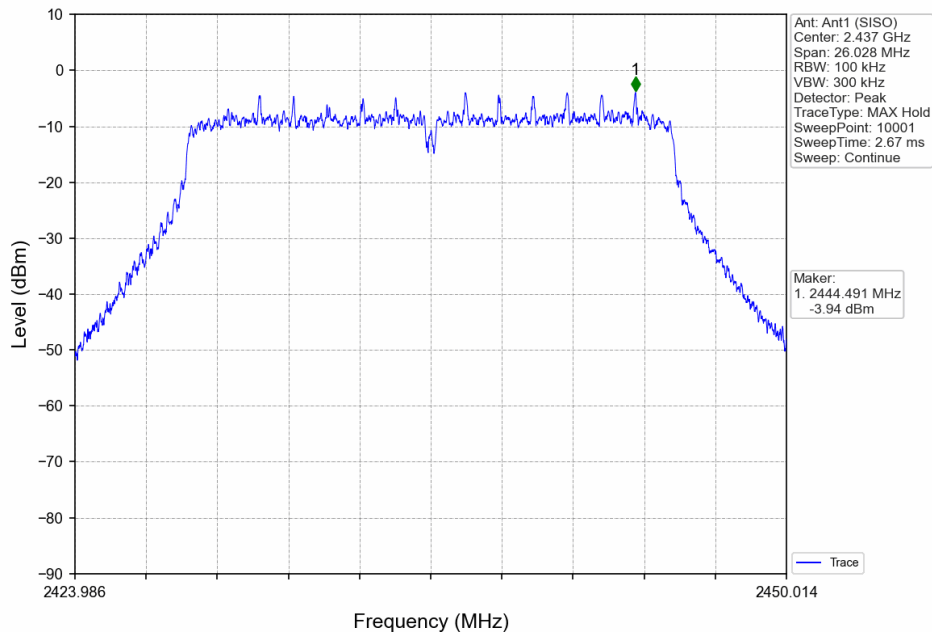
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### 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



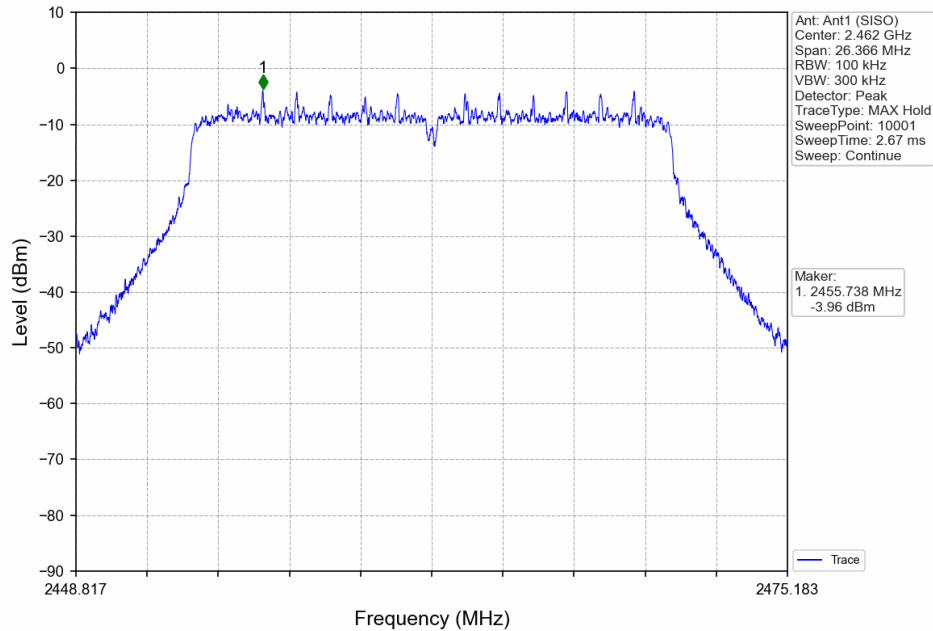
### 802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



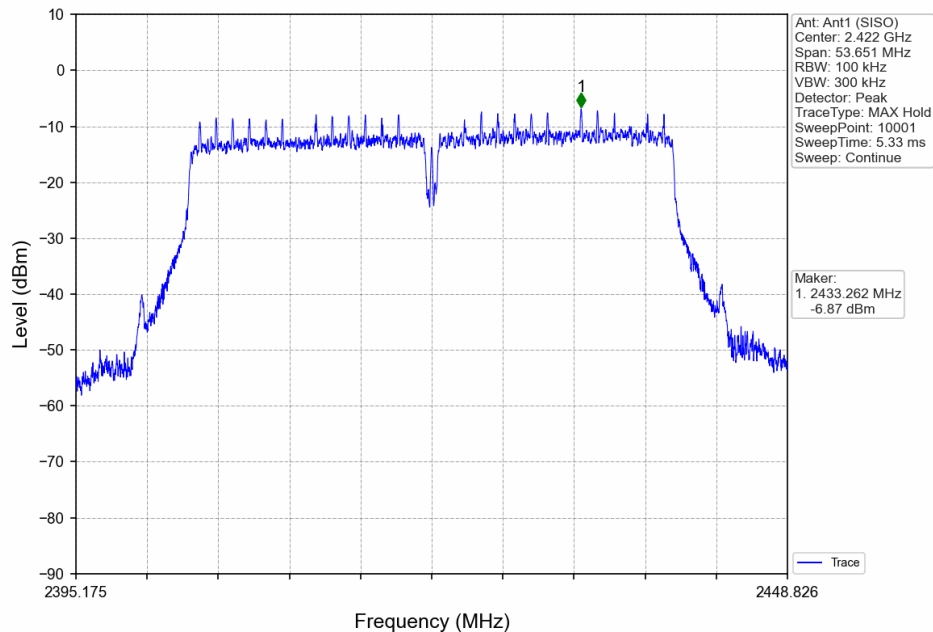
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### 802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



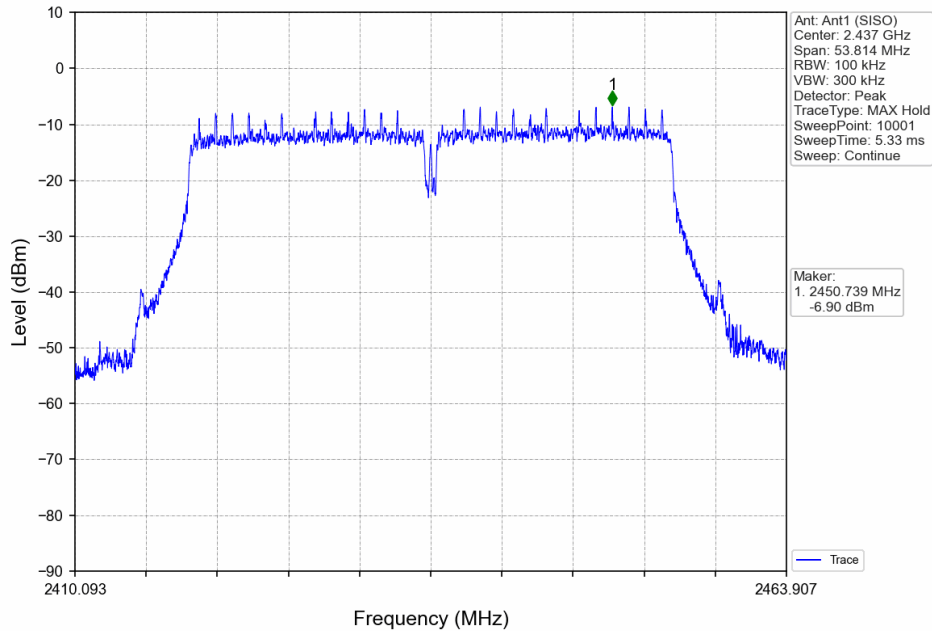
### 802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV



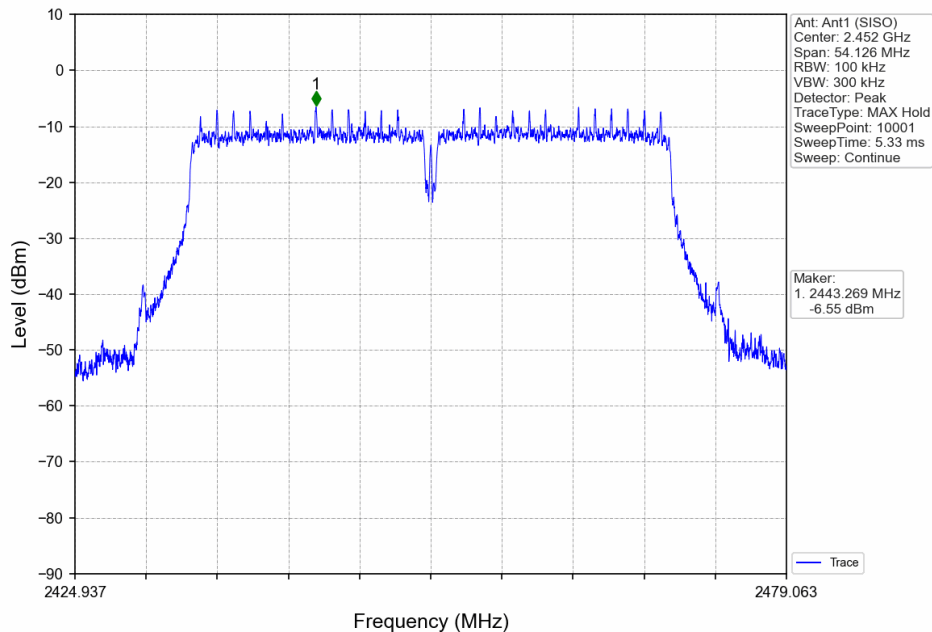
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### 802.11n(HT40)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



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





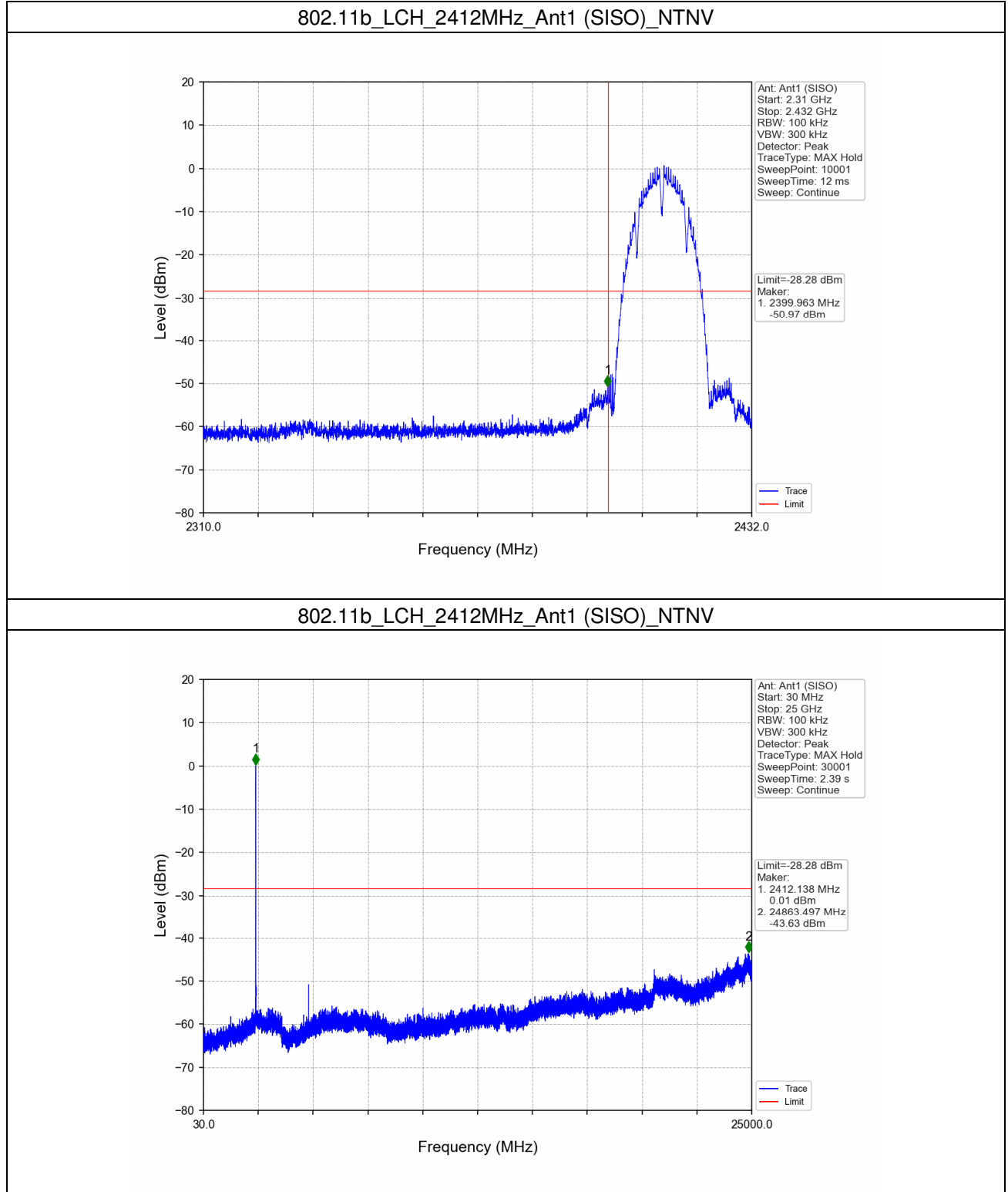
## 5.2 CSE

### 5.2.1 Test Result

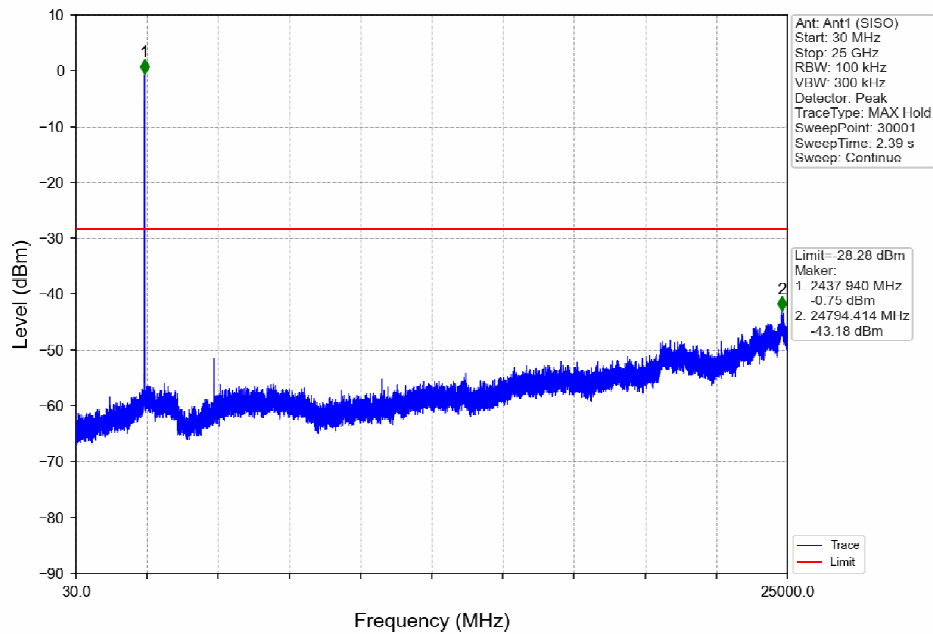
Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	1.72	-28.28	Pass
		2437	1	1.72	-28.28	Pass
		2462	1	1.72	-28.28	Pass
802.11g	SISO	2412	1	-3.84	-33.84	Pass
		2437	1	-3.84	-33.84	Pass
		2462	1	-3.84	-33.84	Pass
802.11n (HT20)	SISO	2412	1	-3.94	-33.94	Pass
		2437	1	-3.94	-33.94	Pass
		2462	1	-3.94	-33.94	Pass
802.11n (HT40)	SISO	2422	1	-6.55	-36.55	Pass
		2437	1	-6.55	-36.55	Pass
		2452	1	-6.55	-36.55	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.

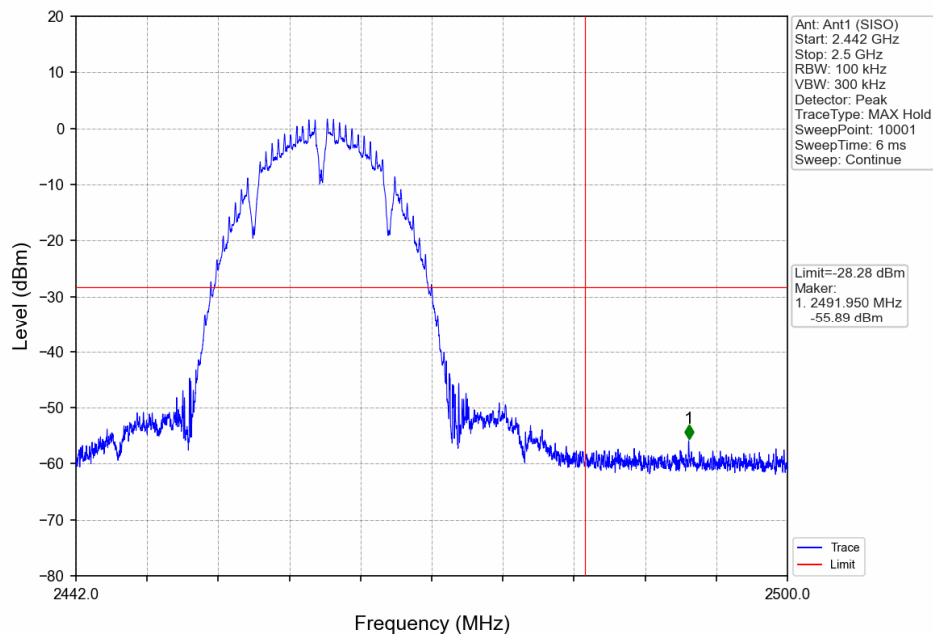
### 5.2.2 Test Graph



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



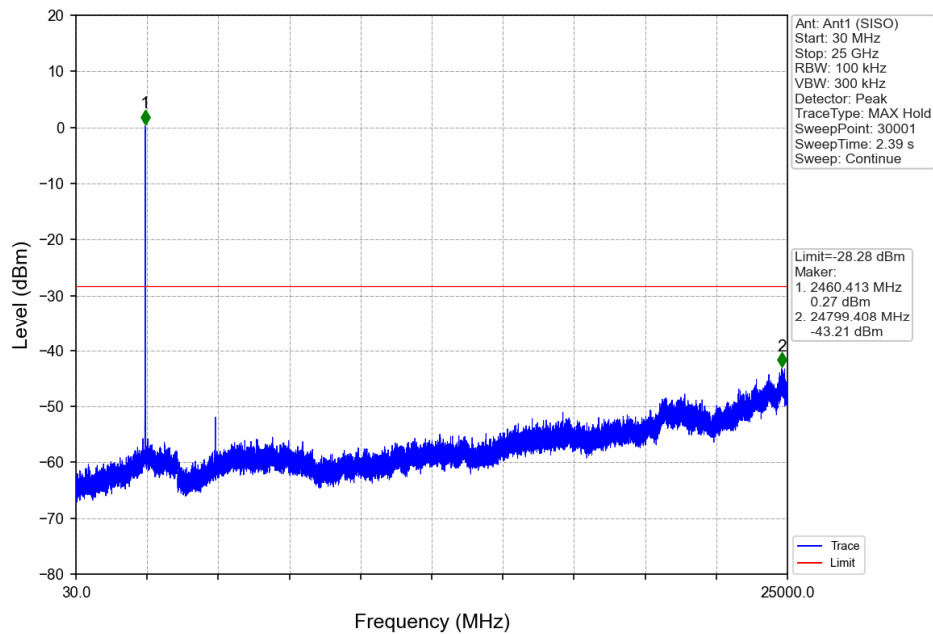
### 802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



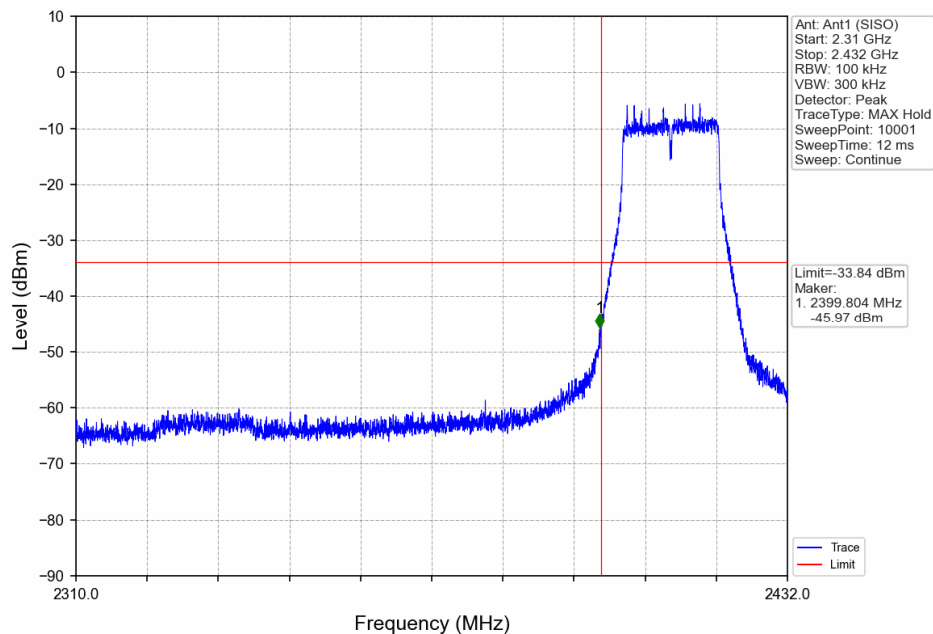
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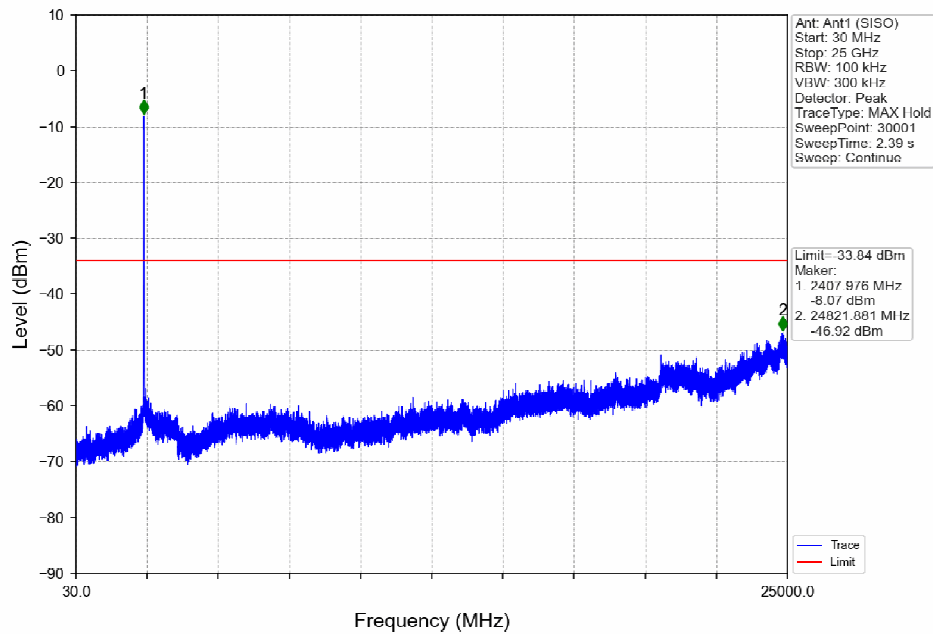
### 802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



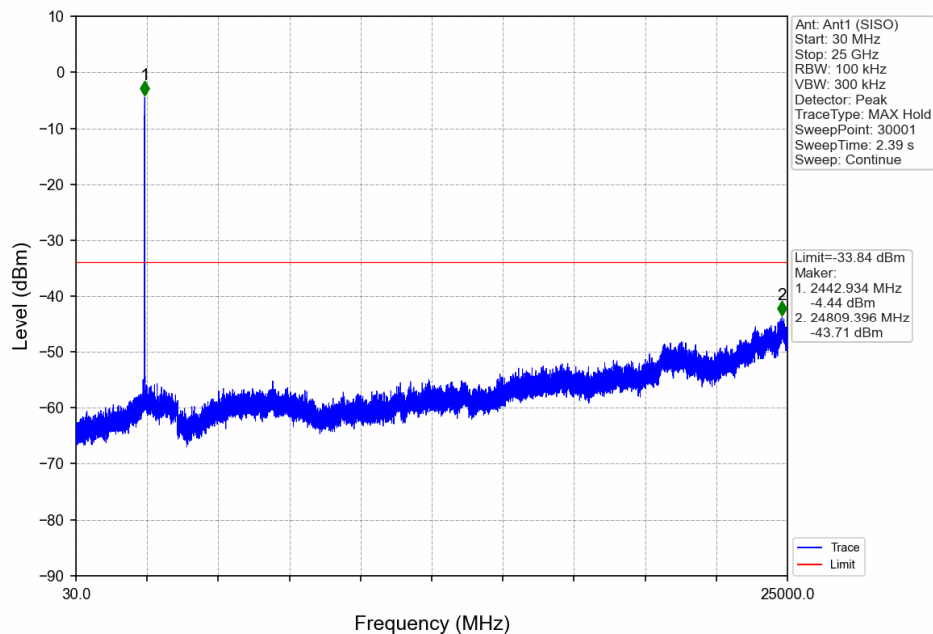
### 802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



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



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

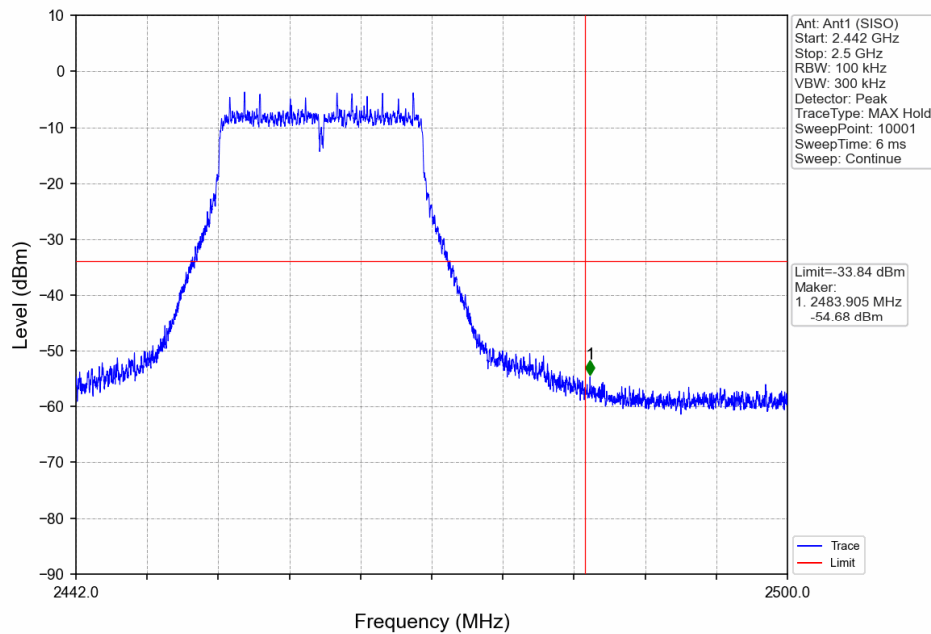


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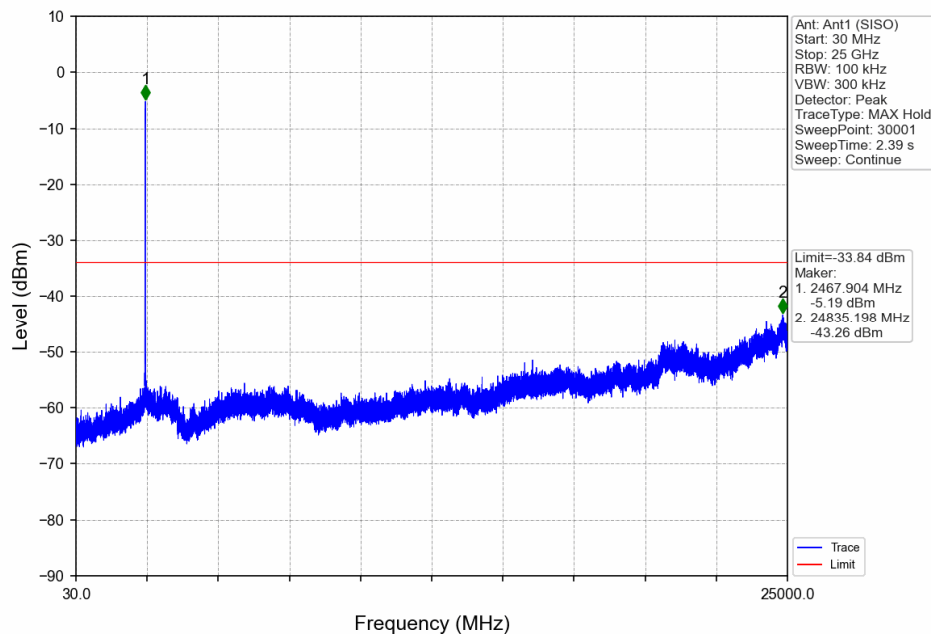
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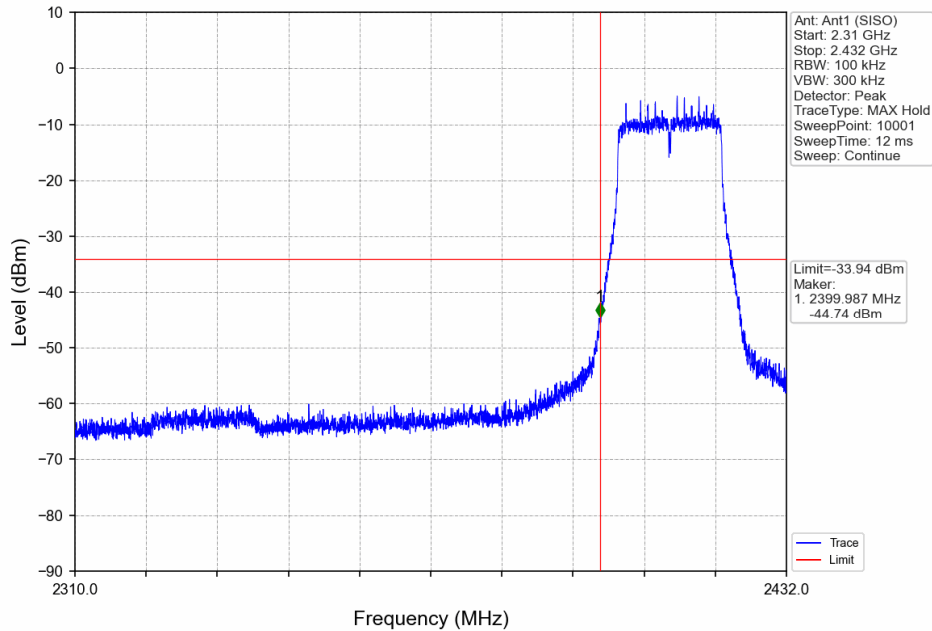
### 802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



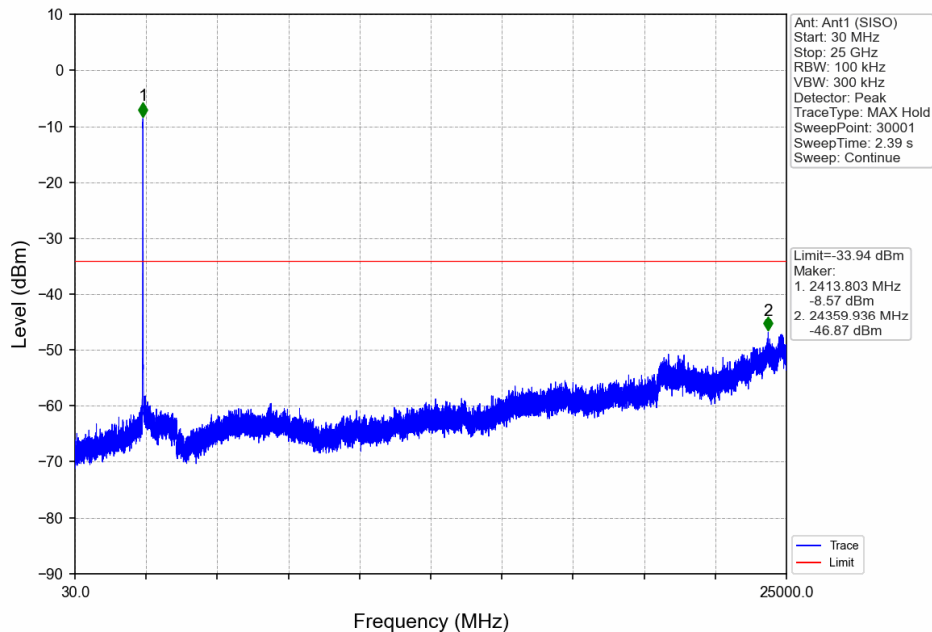
### 802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



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



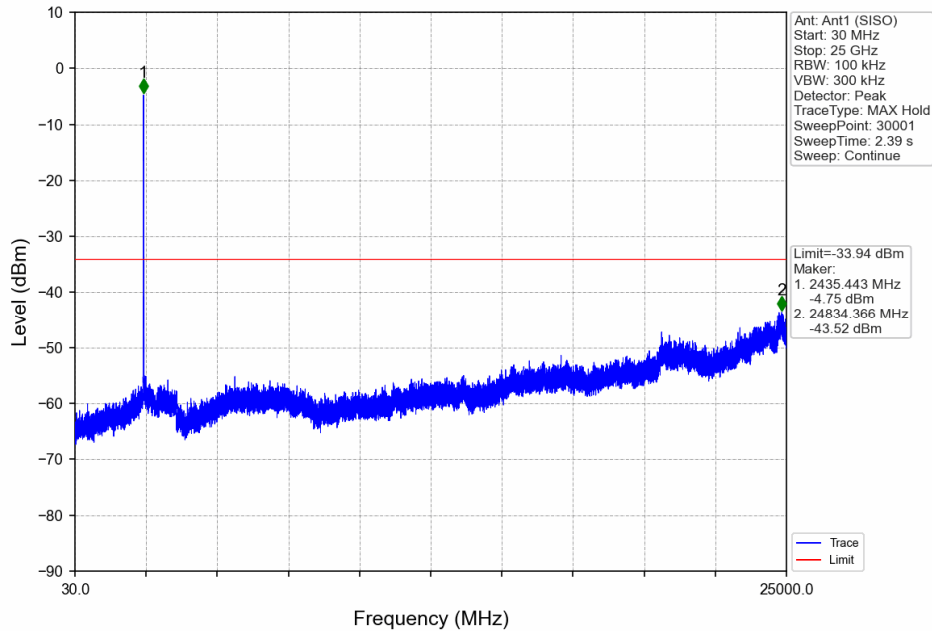
802.11n(HT20)\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



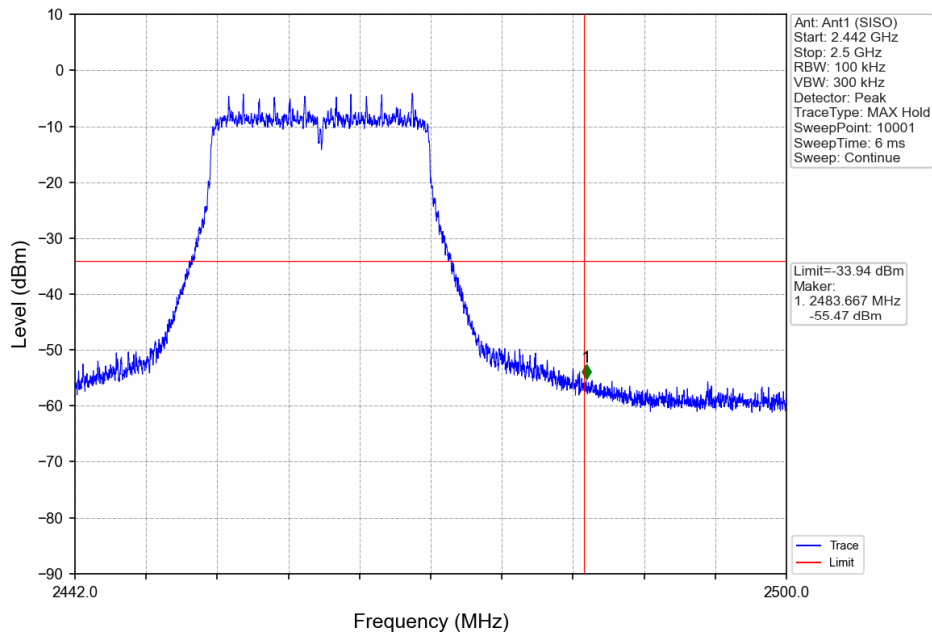
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### 802.11n(HT20)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV

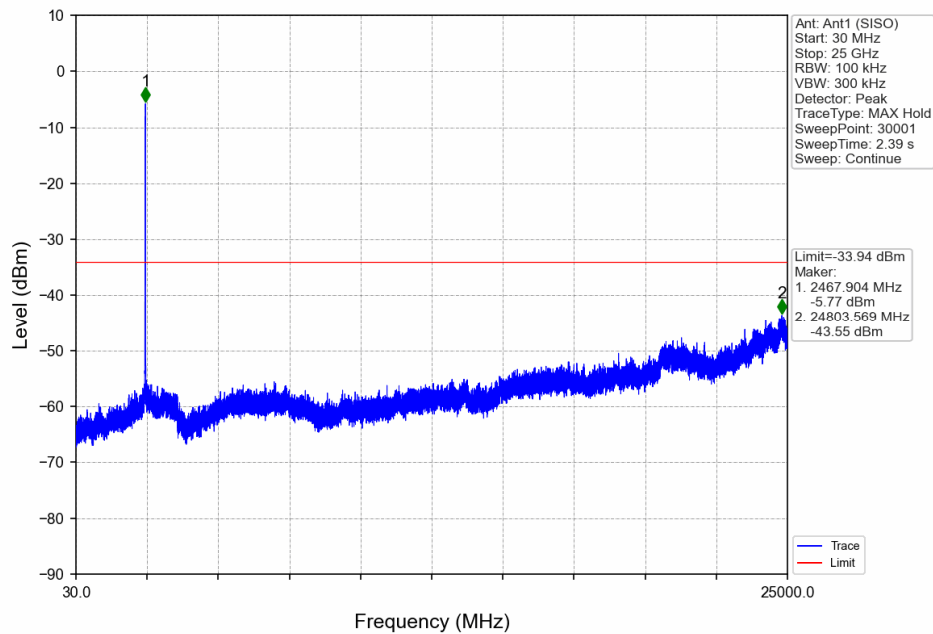


### 802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

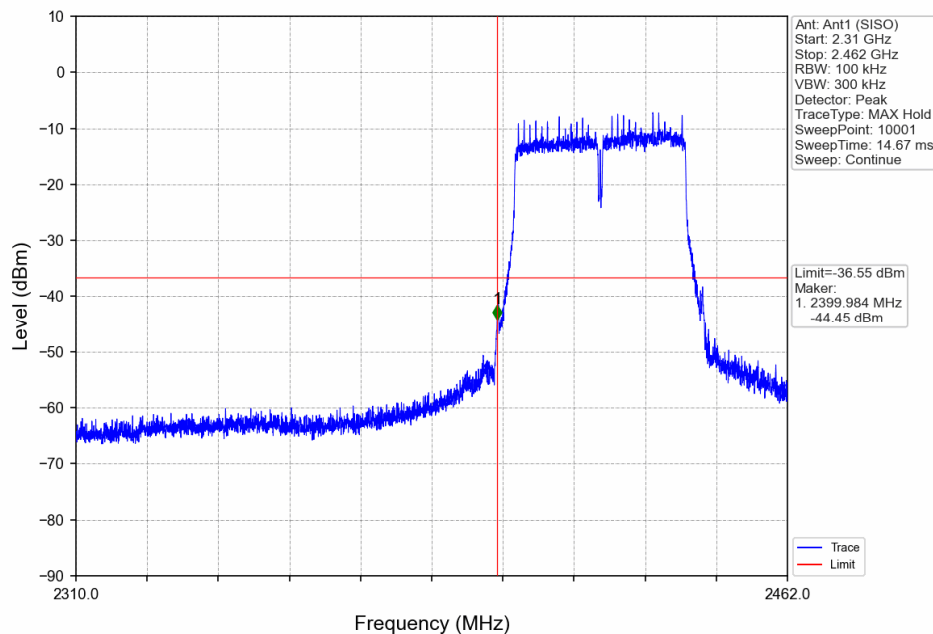


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### 802.11n(HT20)\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV

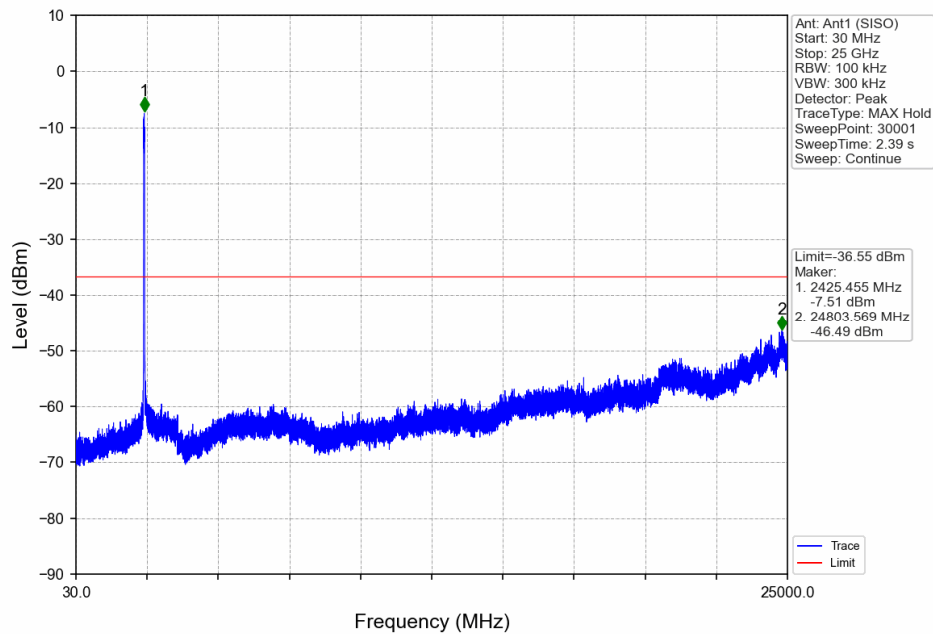


### 802.11n(HT40)\_LCH\_2422MHz\_Ant1 (SISO)\_NTNV

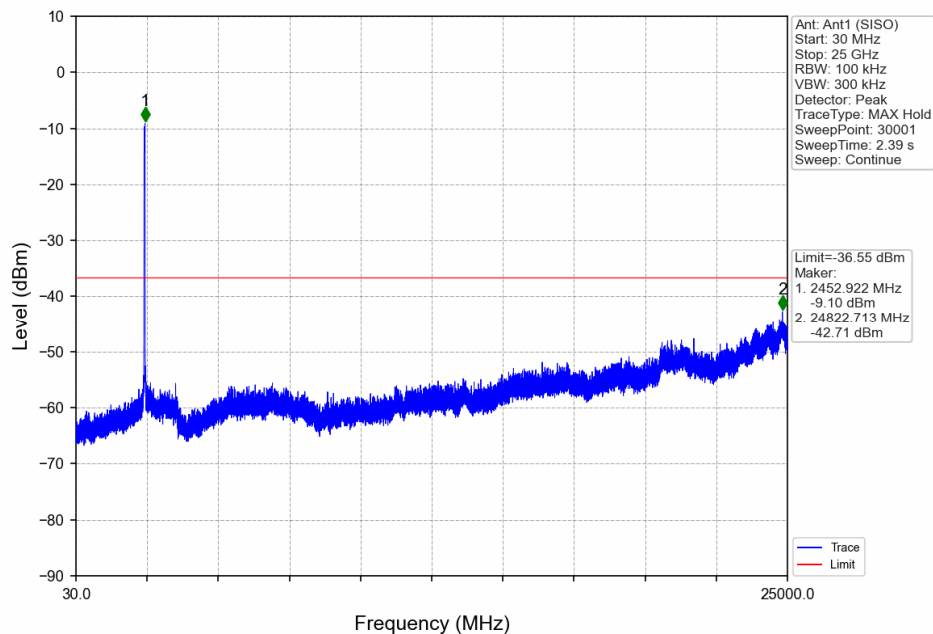




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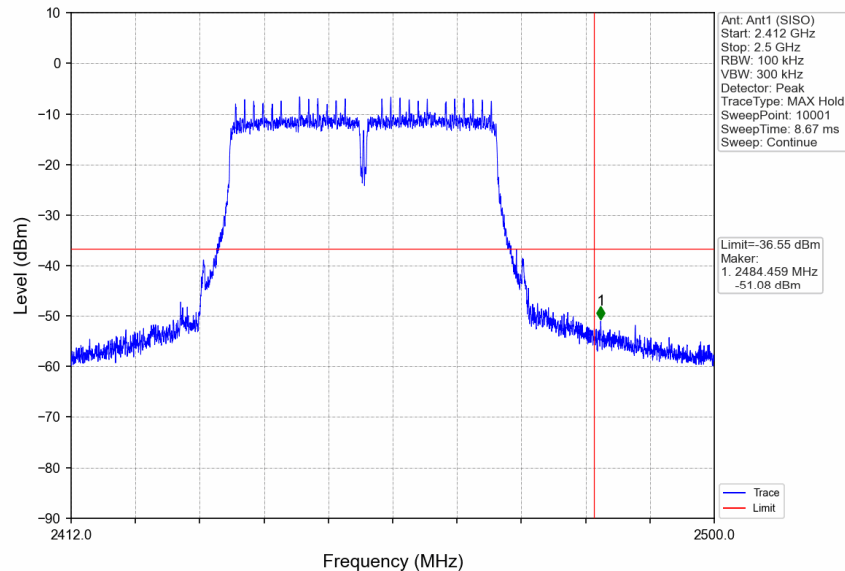


### 802.11n(HT40)\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV

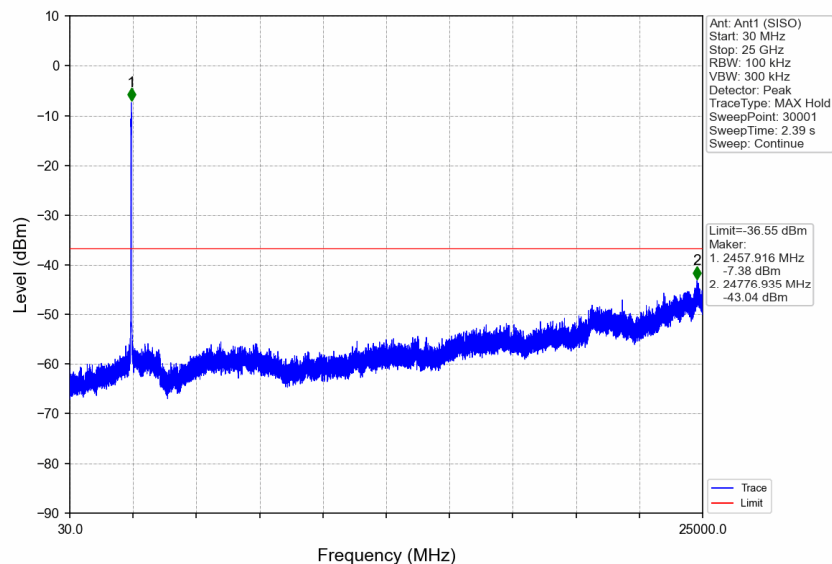




### 802.11n(HT40)\_HCH\_2452MHz\_Ant1 (SISO)\_NTNV



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



- End of the Report -

