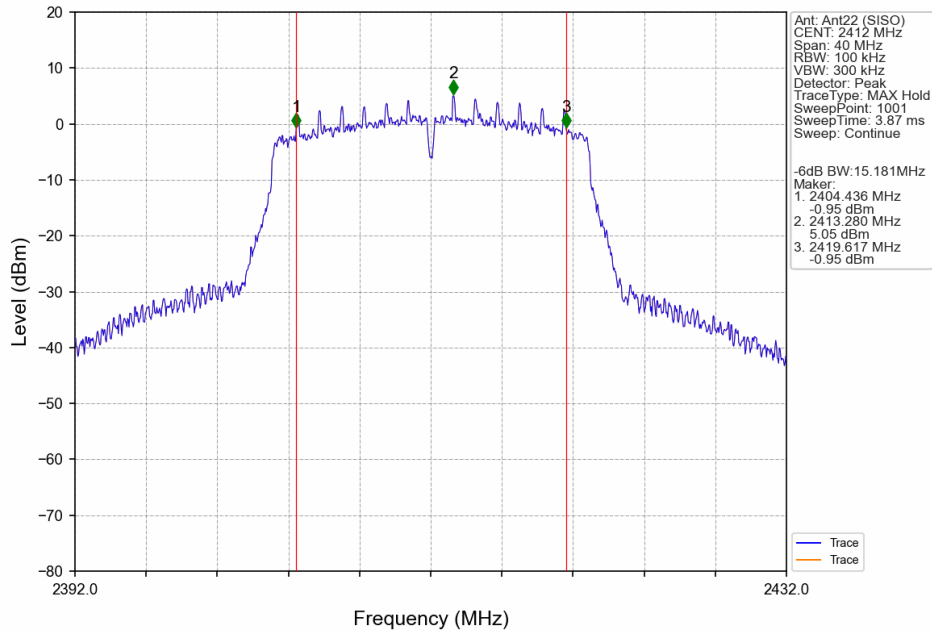
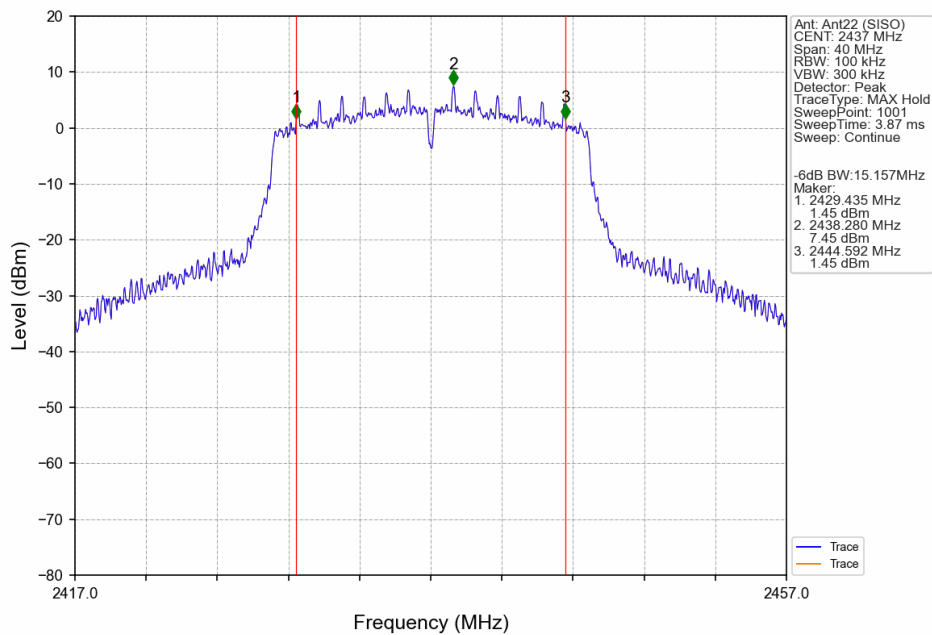


### 802.11ac(VHT20)\_LCH\_2412MHz\_Ant22 (SISO)\_NTNV



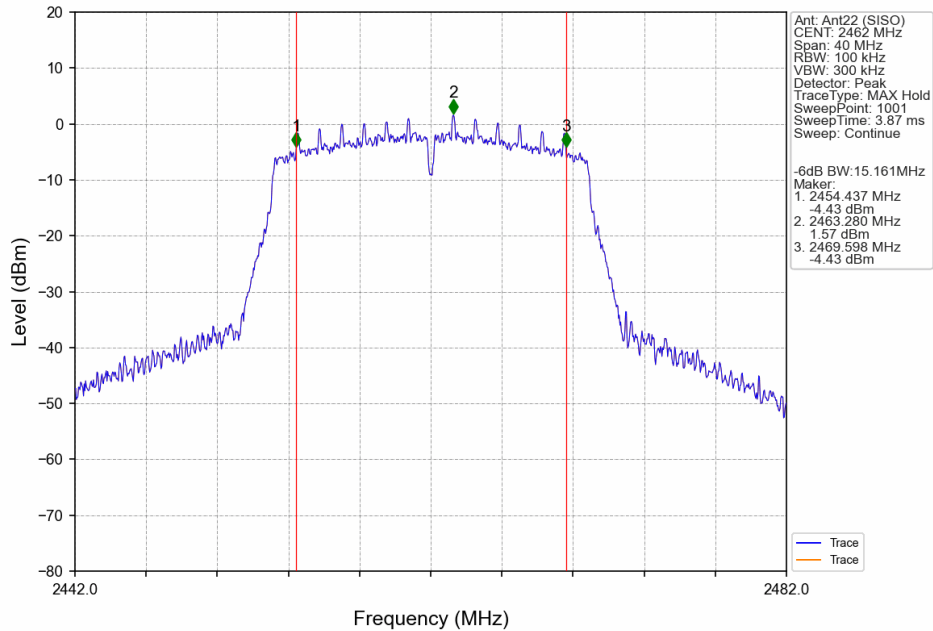
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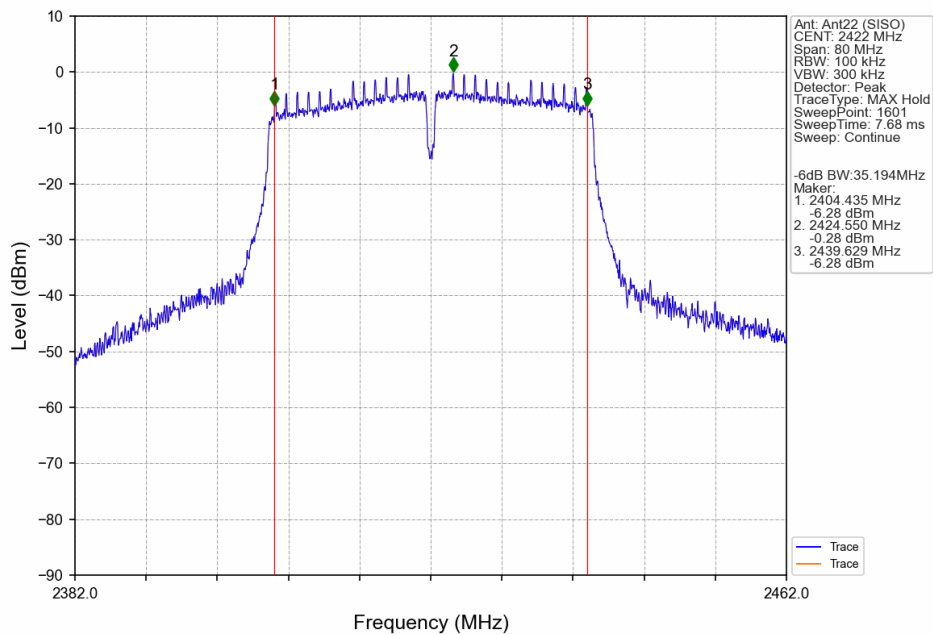
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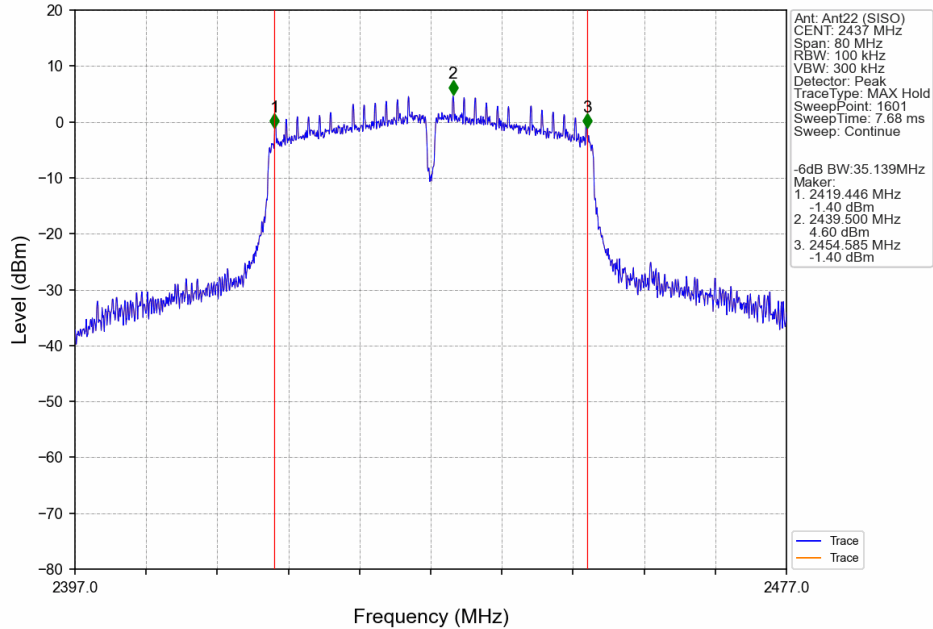
### 802.11ac(VHT20)\_HCH\_2462MHz\_Ant22 (SISO)\_NTNV



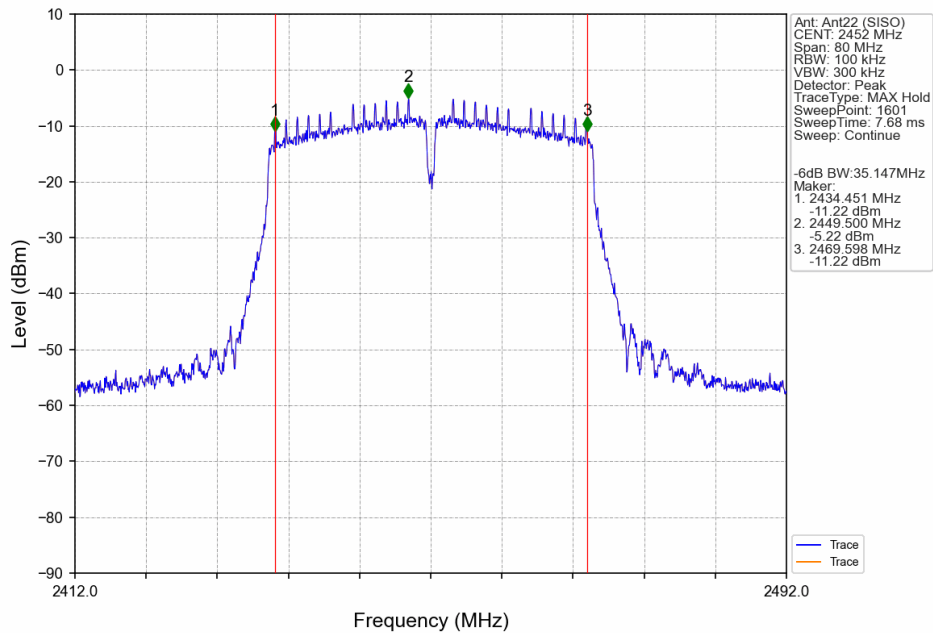
### 802.11ac(VHT40)\_LCH\_2422MHz\_Ant22 (SISO)\_NTNV



### 802.11ac(VHT40)\_MCH\_2437MHz\_Ant22 (SISO)\_NTNV



### 802.11ac(VHT40)\_HCH\_2452MHz\_Ant22 (SISO)\_NTNV



## 3. Maximum Conducted Output Power

### 3.1 Test Result

#### 3.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT22	Limit	
802.11b	SISO	2412	21.62	<=30	Pass
		2437	21.48	<=30	Pass
		2462	21.64	<=30	Pass
802.11g	SISO	2412	22.62	<=30	Pass
		2437	25.75	<=30	Pass
		2462	19.15	<=30	Pass
802.11n (HT20)	SISO	2412	22.43	<=30	Pass
		2437	24.72	<=30	Pass
		2462	18.96	<=30	Pass
802.11n (HT40)	SISO	2422	20.73	<=30	Pass
		2437	25.32	<=30	Pass
		2452	15.92	<=30	Pass
802.11ac (VHT20)	SISO	2412	22.27	<=30	Pass
		2437	24.60	<=30	Pass
		2462	18.92	<=30	Pass
802.11ac (VHT40)	SISO	2422	20.69	<=30	Pass
		2437	25.29	<=30	Pass
		2452	15.88	<=30	Pass

Note1: Antenna Gain: Ant22: 0.92dBi;



## 4. Maximum Power Spectral Density

### 4.1 Test Result

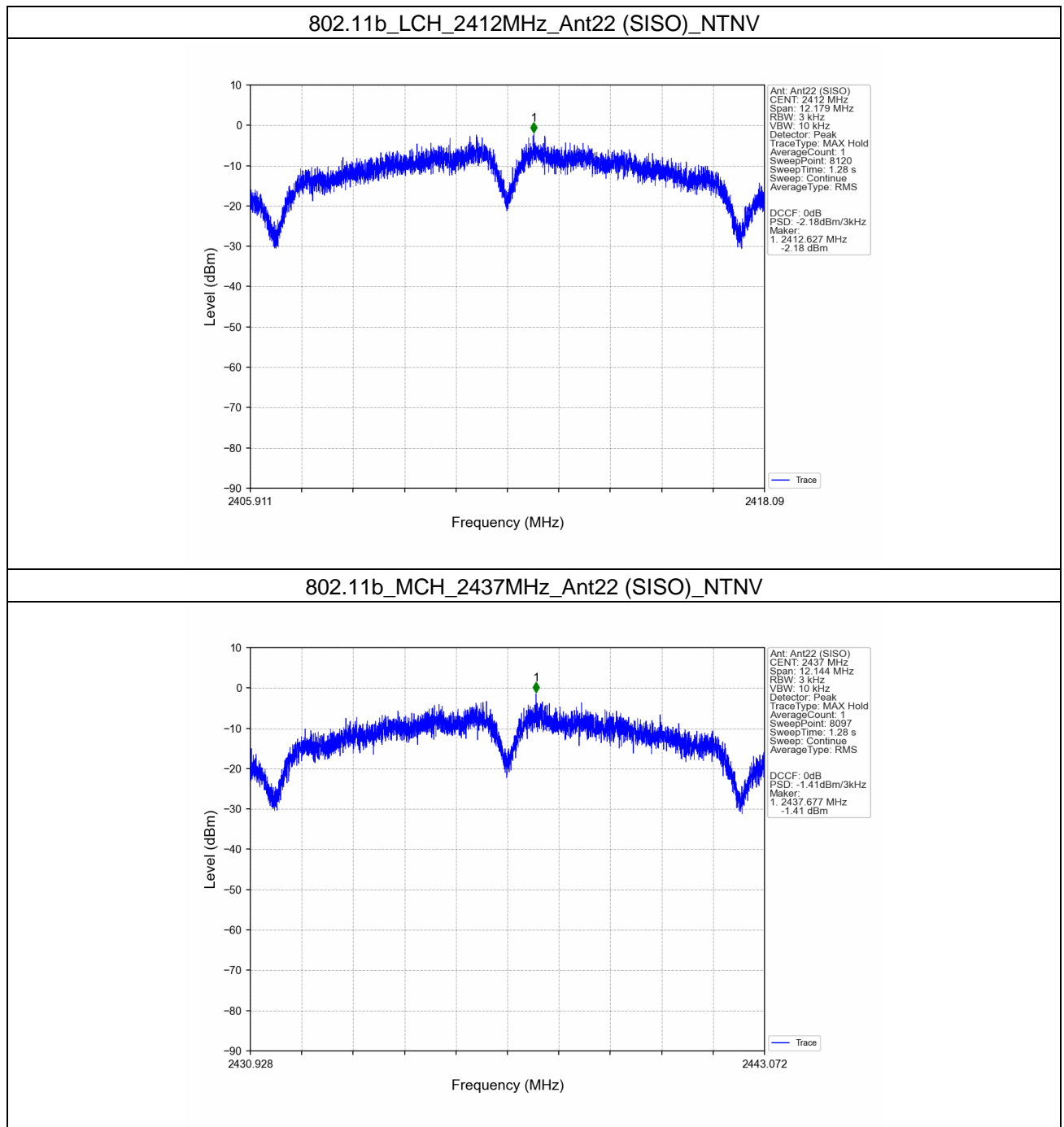
#### 4.1.1 PSD

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			ANT22	Limit	
802.11b	SISO	2412	-2.18	<=8	Pass
		2437	-1.41	<=8	Pass
		2462	-3.74	<=8	Pass
802.11g	SISO	2412	-9.63	<=8	Pass
		2437	-6.60	<=8	Pass
		2462	-13.10	<=8	Pass
802.11n (HT20)	SISO	2412	-8.99	<=8	Pass
		2437	-7.64	<=8	Pass
		2462	-13.02	<=8	Pass
802.11n (HT40)	SISO	2422	-14.72	<=8	Pass
		2437	-9.83	<=8	Pass
		2452	-19.13	<=8	Pass
802.11ac (VHT20)	SISO	2412	-9.77	<=8	Pass
		2437	-7.91	<=8	Pass
		2462	-12.32	<=8	Pass
802.11ac (VHT40)	SISO	2422	-15.07	<=8	Pass
		2437	-8.54	<=8	Pass
		2452	-19.02	<=8	Pass

Note1: Antenna Gain: Ant22: 0.92dBi;

### 4.2 Test Graph

#### 4.2.1 PSD



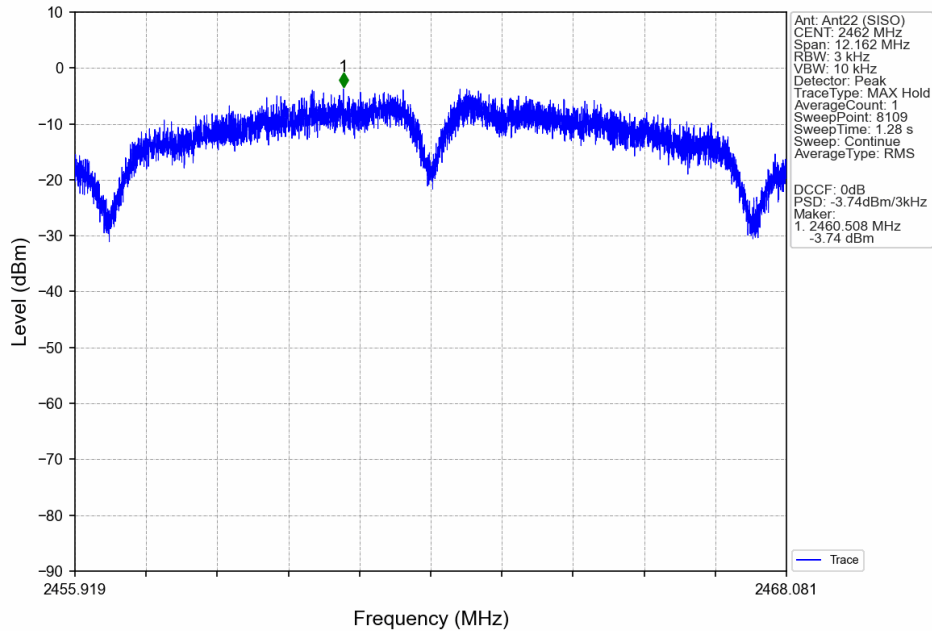
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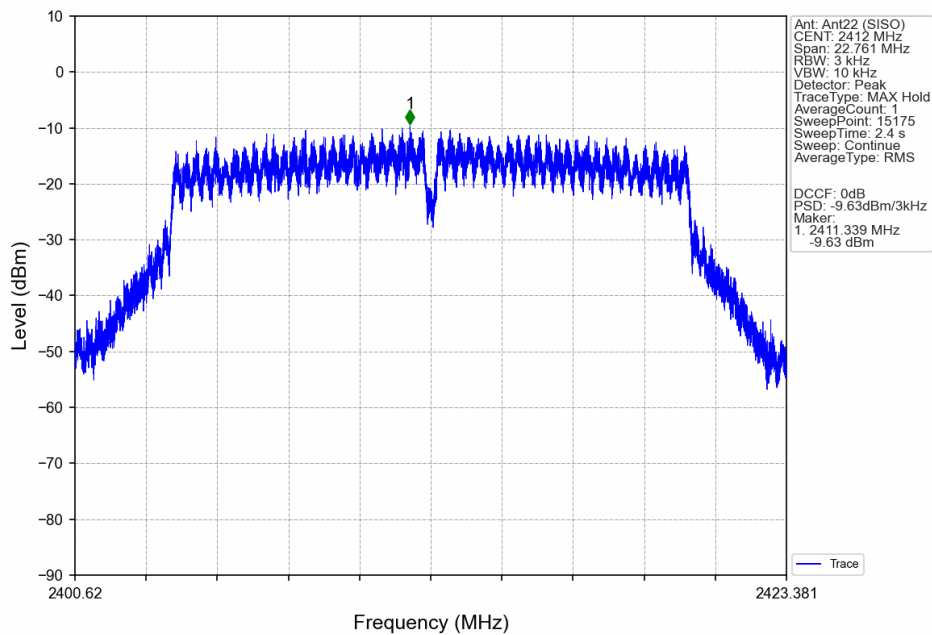
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802.11b\_HCH\_2462MHz\_Ant22 (SISO)\_NTNV



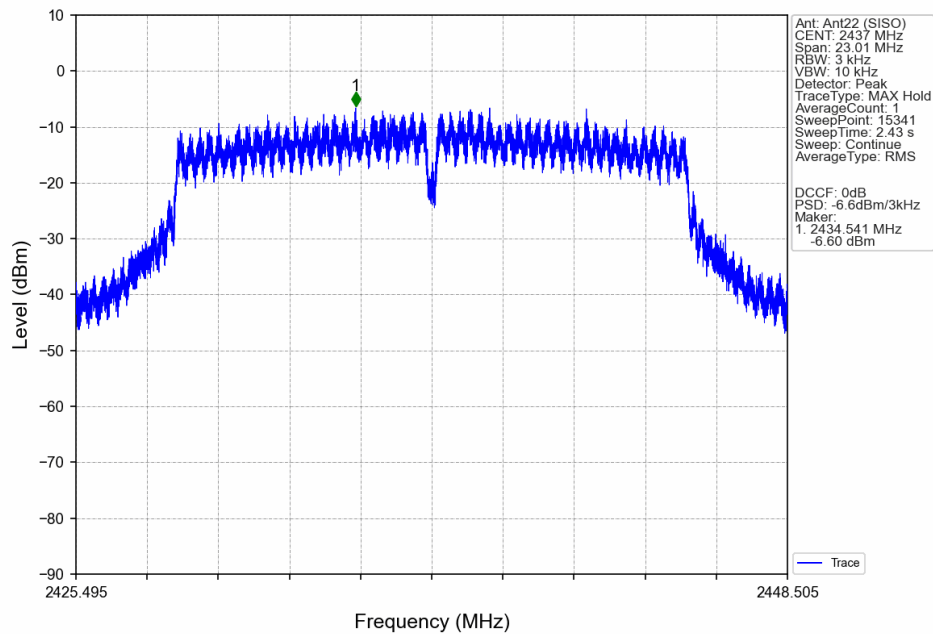
802.11g\_LCH\_2412MHz\_Ant22 (SISO)\_NTNV



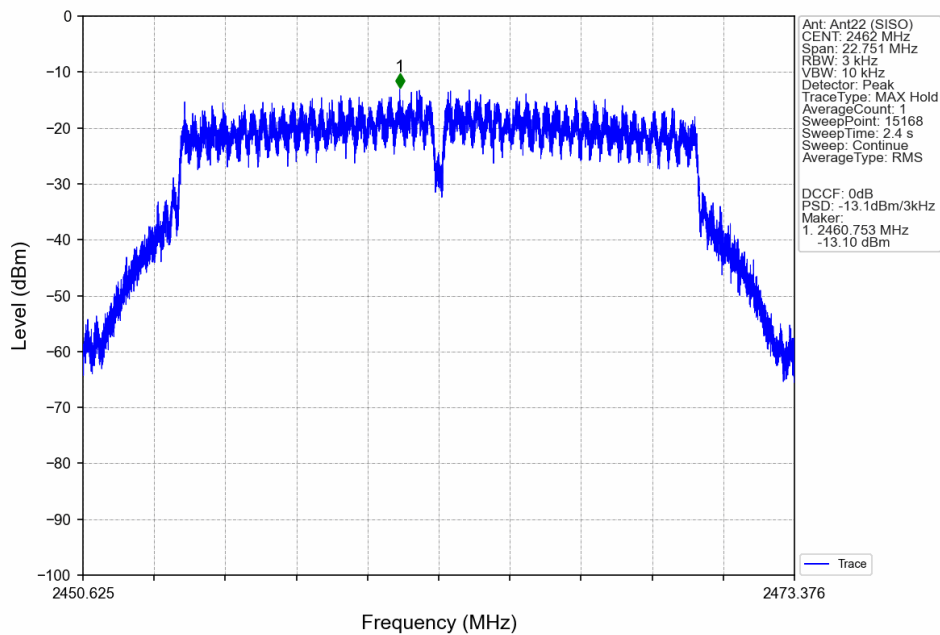
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802.11g\_MCH\_2437MHz\_Ant22 (SISO)\_NTNV

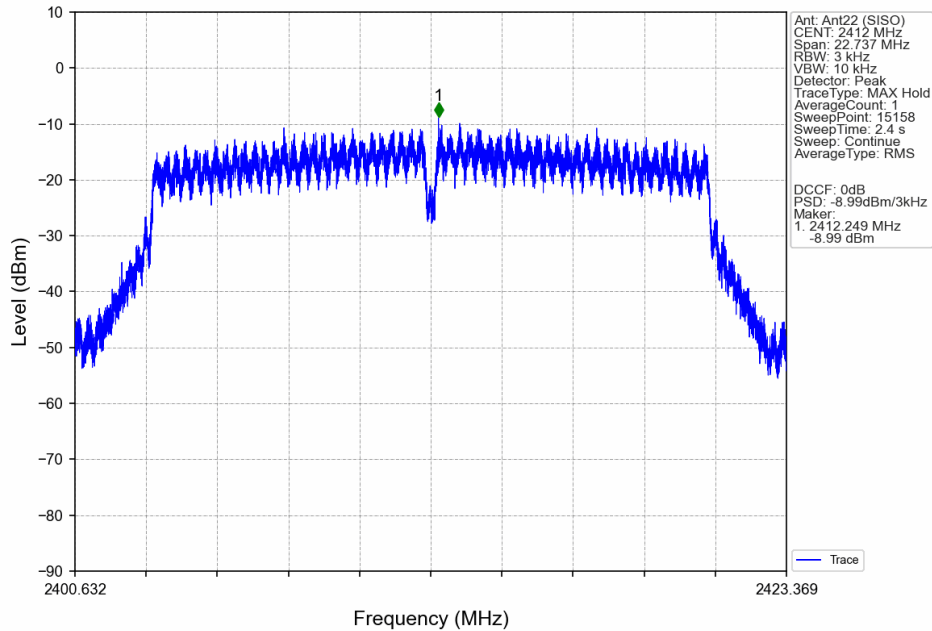


802.11g\_HCH\_2462MHz\_Ant22 (SISO)\_NTNV

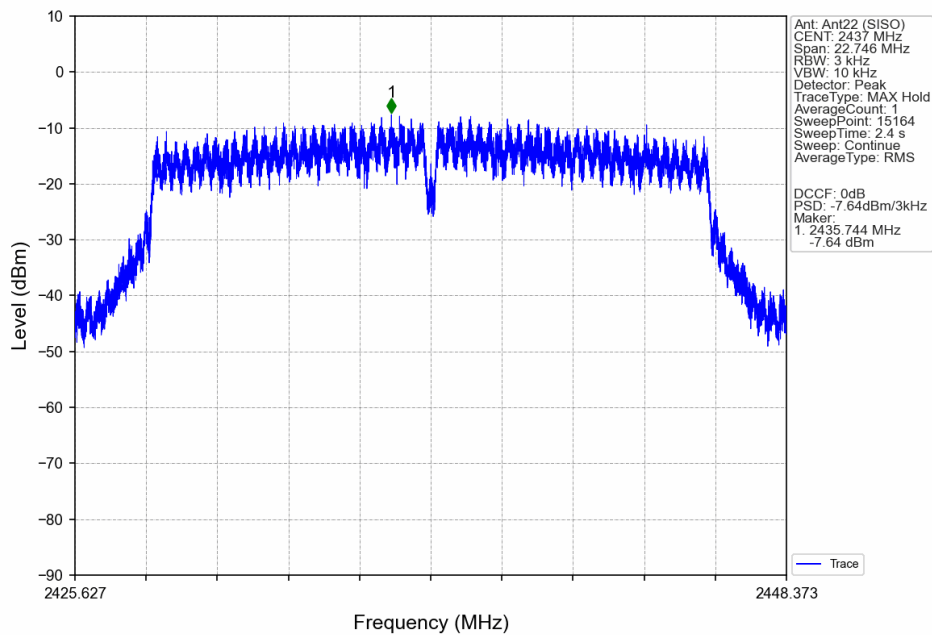




802.11n(HT20)\_LCH\_2412MHz\_Ant22 (SISO)\_NTNV



802.11n(HT20)\_MCH\_2437MHz\_Ant22 (SISO)\_NTNV



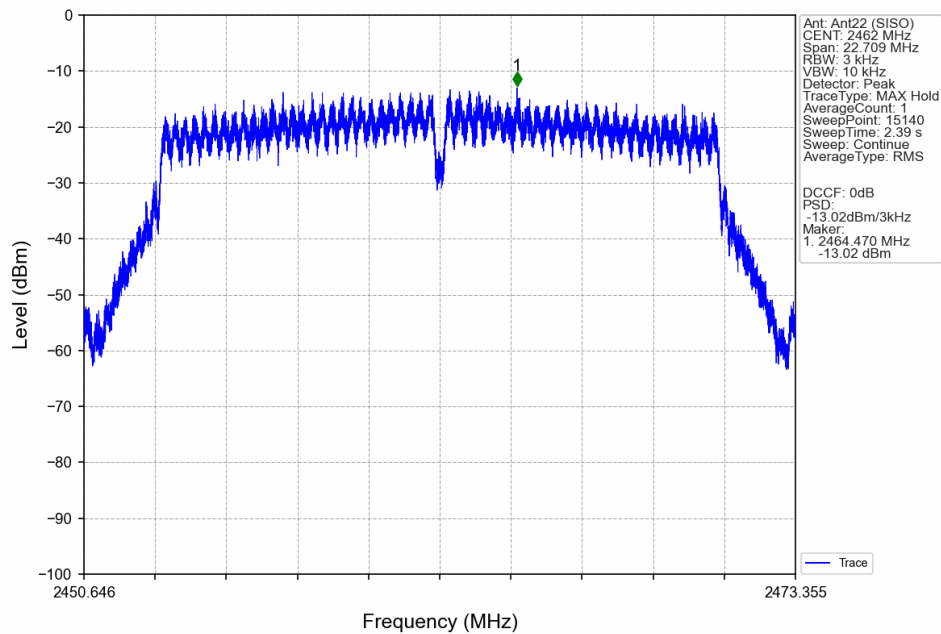
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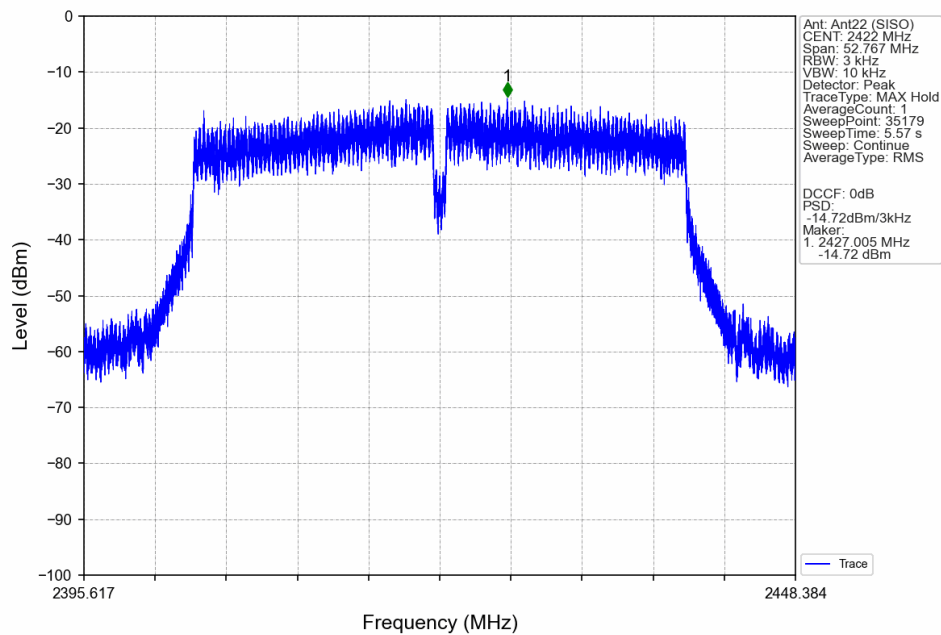
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No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
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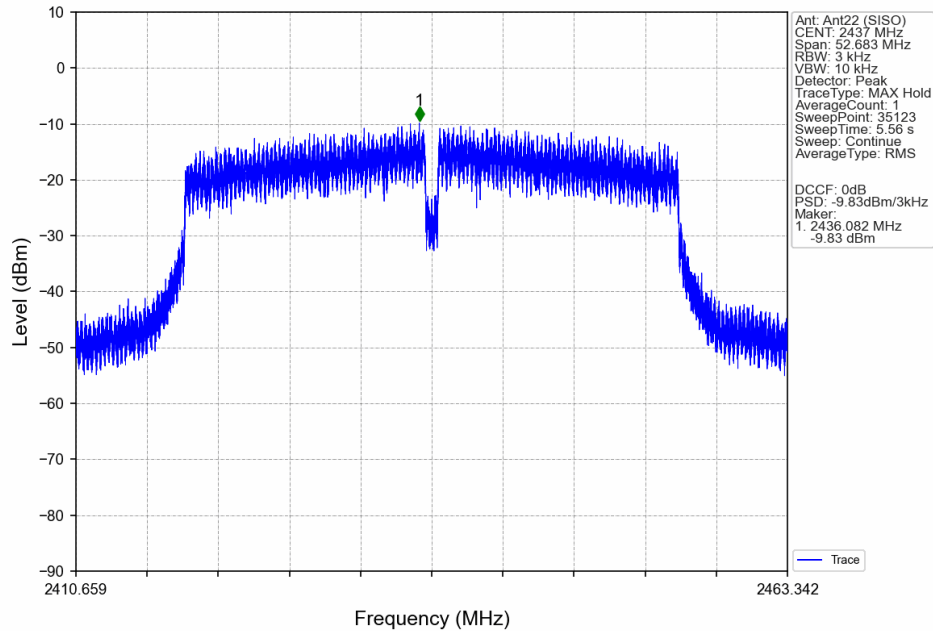
802.11n(HT20)\_HCH\_2462MHz\_Ant22 (SISO)\_NTNV



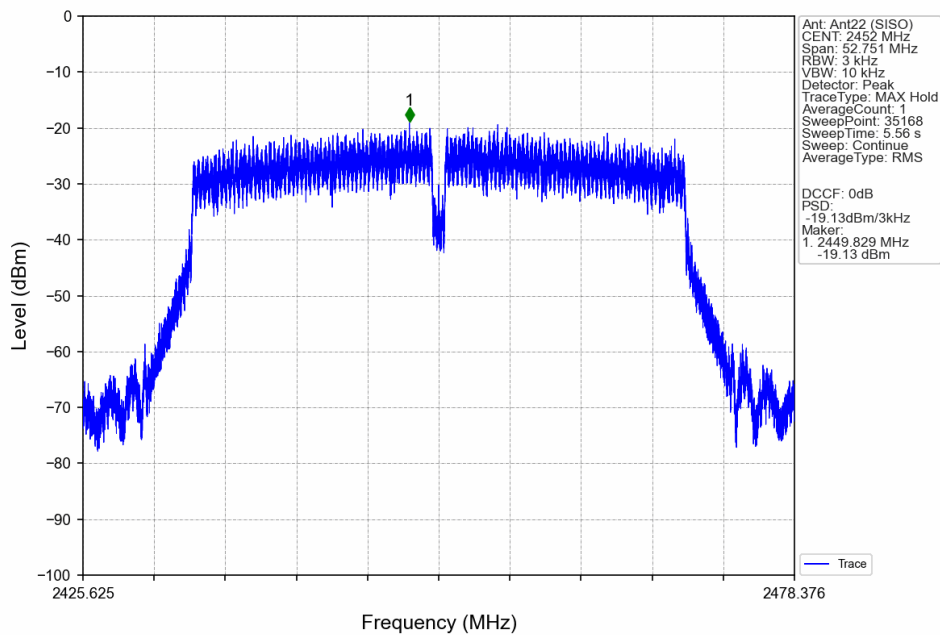
802.11n(HT40)\_LCH\_2422MHz\_Ant22 (SISO)\_NTNV



### 802.11n(HT40)\_MCH\_2437MHz\_Ant22 (SISO)\_NTNV



### 802.11n(HT40)\_HCH\_2452MHz\_Ant22 (SISO)\_NTNV



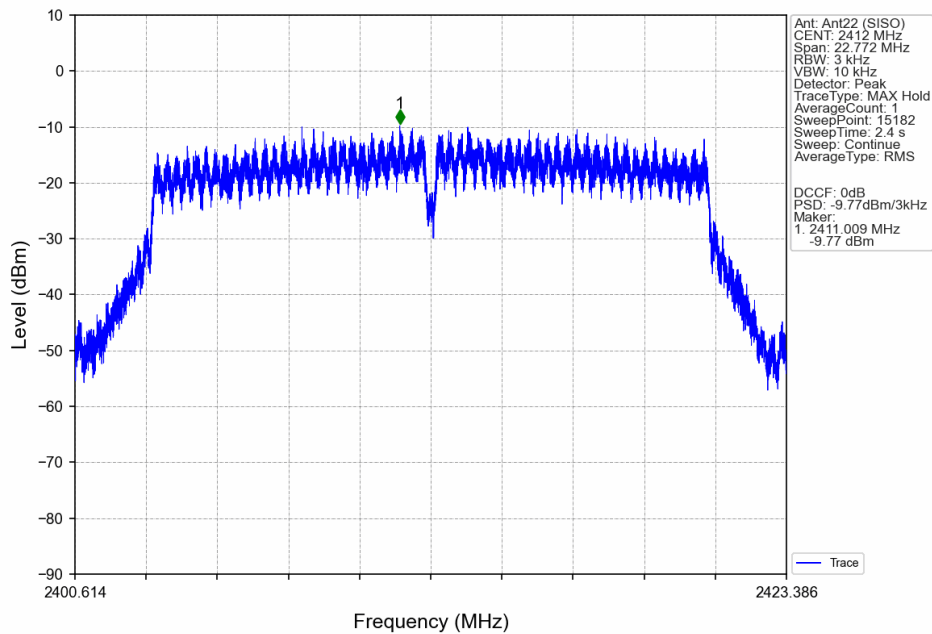
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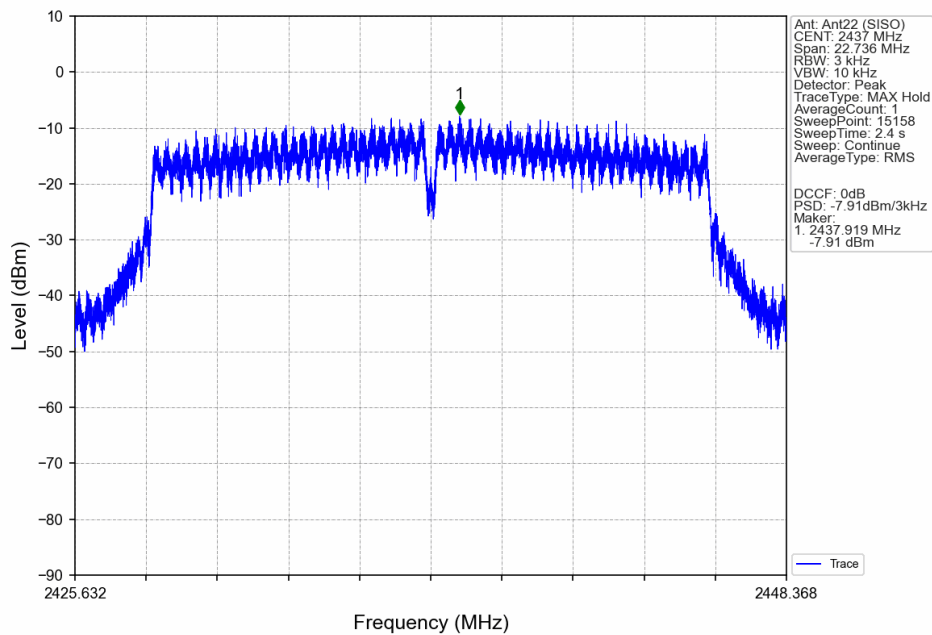
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802.11ac(VHT20)\_LCH\_2412MHz\_Ant22 (SISO)\_NTNV



802.11ac(VHT20)\_MCH\_2437MHz\_Ant22 (SISO)\_NTNV

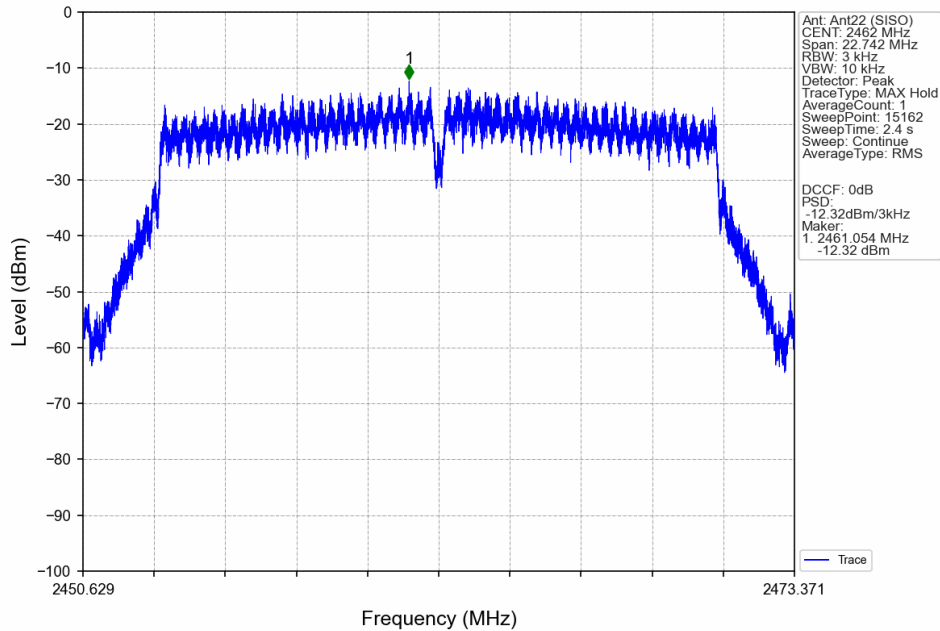


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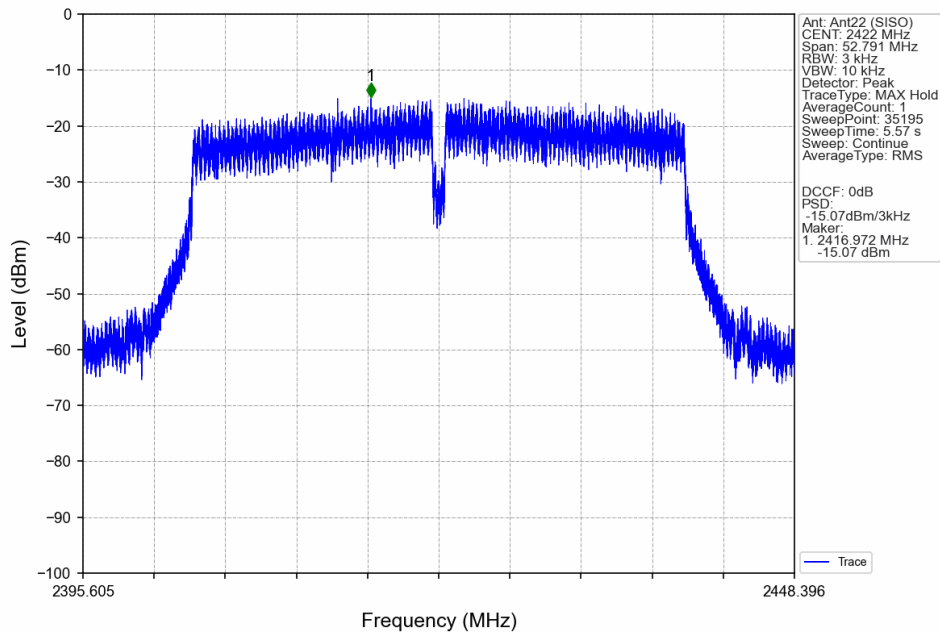
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802.11ac(VHT20)\_HCH\_2462MHz\_Ant22 (SISO)\_NTNV



802.11ac(VHT40)\_LCH\_2422MHz\_Ant22 (SISO)\_NTNV



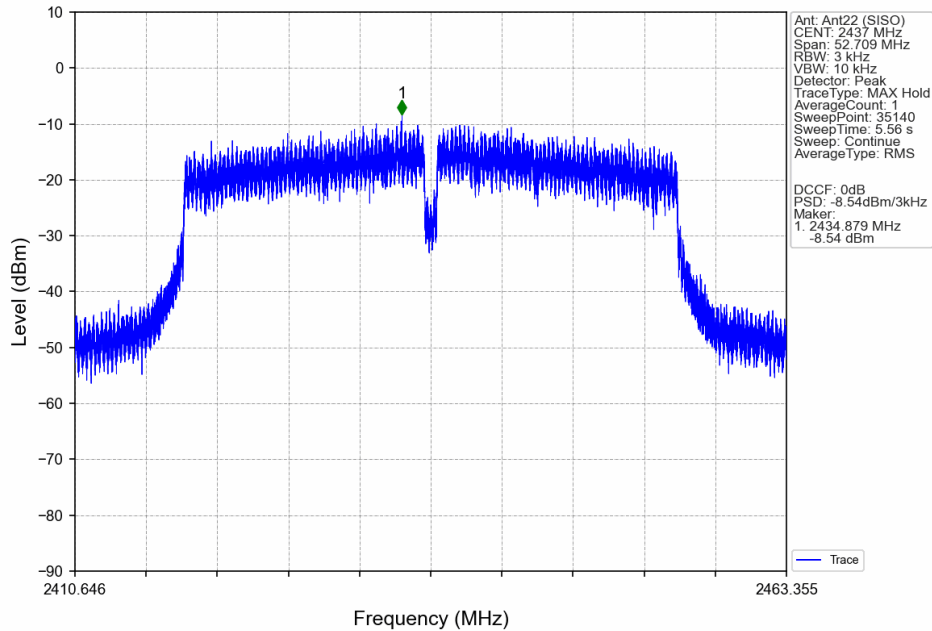
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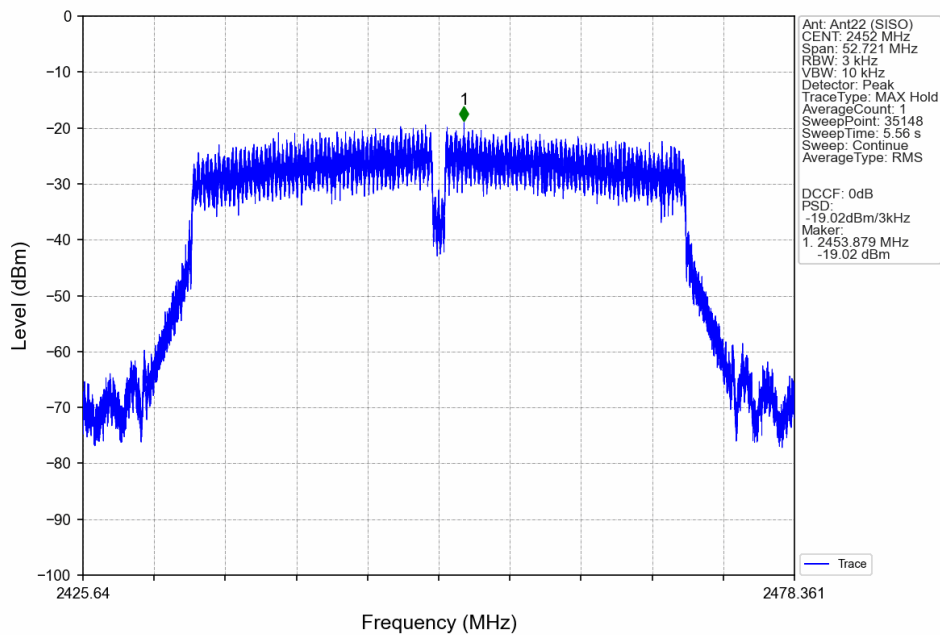
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### 802.11ac(VHT40)\_MCH\_2437MHz\_Ant22 (SISO)\_NTNV



### 802.11ac(VHT40)\_HCH\_2452MHz\_Ant22 (SISO)\_NTNV



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

### 5.1 Test Result

#### 5.1.1 Ref

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	22	10.95
		2437	22	11.40
		2462	22	11.20
802.11g	SISO	2412	22	5.04
		2437	22	8.46
		2462	22	1.44
802.11n (HT20)	SISO	2412	22	4.55
		2437	22	7.44
		2462	22	1.60
802.11n (HT40)	SISO	2422	22	-0.19
		2437	22	4.57
		2452	22	-5.01
802.11ac (VHT20)	SISO	2412	22	4.99
		2437	22	7.47
		2462	22	1.43
802.11ac (VHT40)	SISO	2422	22	-0.51
		2437	22	4.53
		2452	22	-5.10

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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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250100029107

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## 5.1.2 CSE

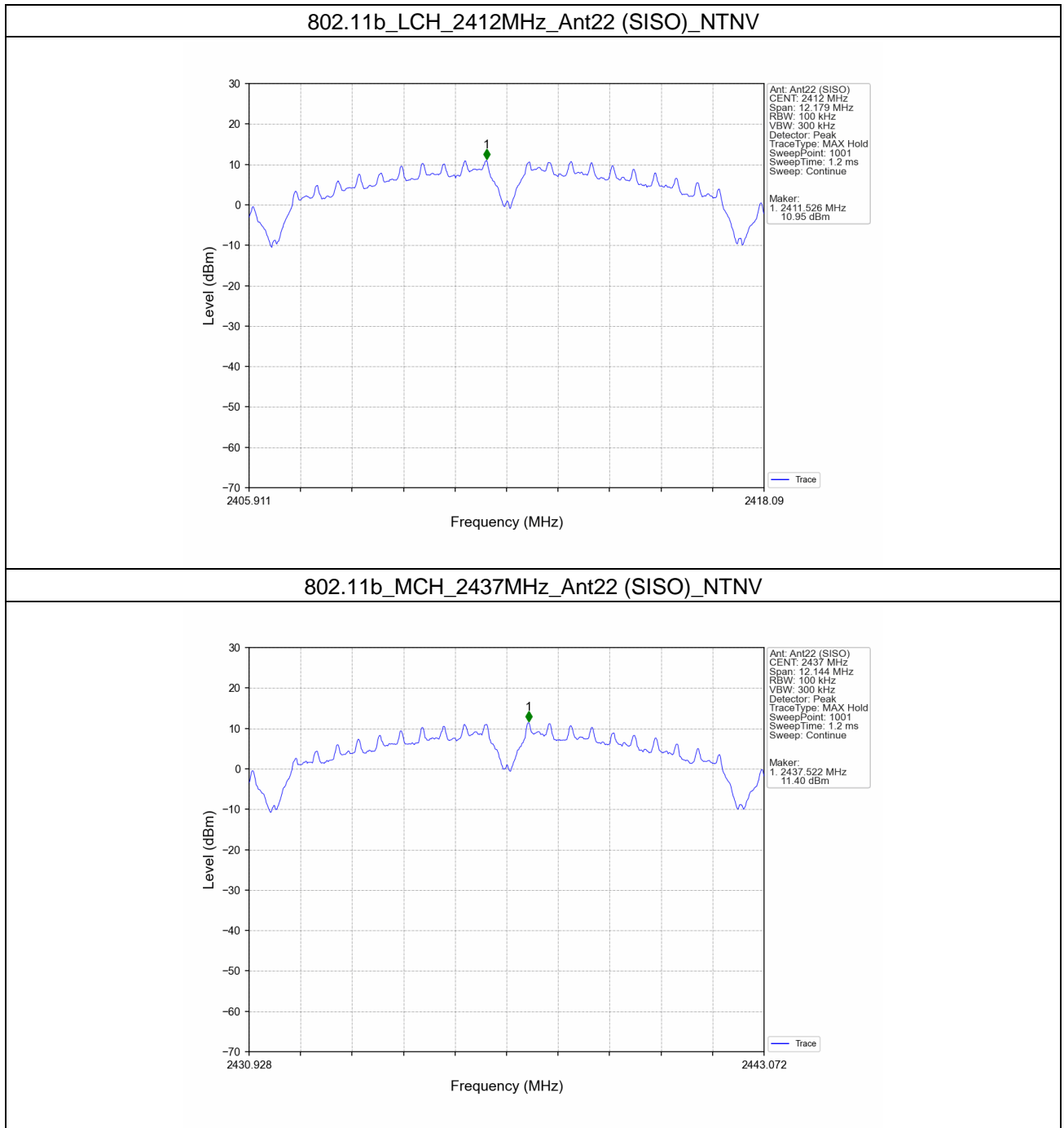
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	22	11.40	-8.60	Pass
		2437	22	11.40	-8.60	Pass
		2462	22	11.40	-8.60	Pass
802.11g	SISO	2412	22	8.46	-11.54	Pass
		2437	22	8.46	-11.54	Pass
		2462	22	8.46	-11.54	Pass
802.11n (HT20)	SISO	2412	22	7.44	-12.56	Pass
		2437	22	7.44	-12.56	Pass
		2462	22	7.44	-12.56	Pass
802.11n (HT40)	SISO	2422	22	4.57	-15.43	Pass
		2437	22	4.57	-15.43	Pass
		2452	22	4.57	-15.43	Pass
802.11ac (VHT20)	SISO	2412	22	7.47	-12.53	Pass
		2437	22	7.47	-12.53	Pass
		2462	22	7.47	-12.53	Pass
802.11ac (VHT40)	SISO	2422	22	4.53	-15.47	Pass
		2437	22	4.53	-15.47	Pass
		2452	22	4.53	-15.47	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.

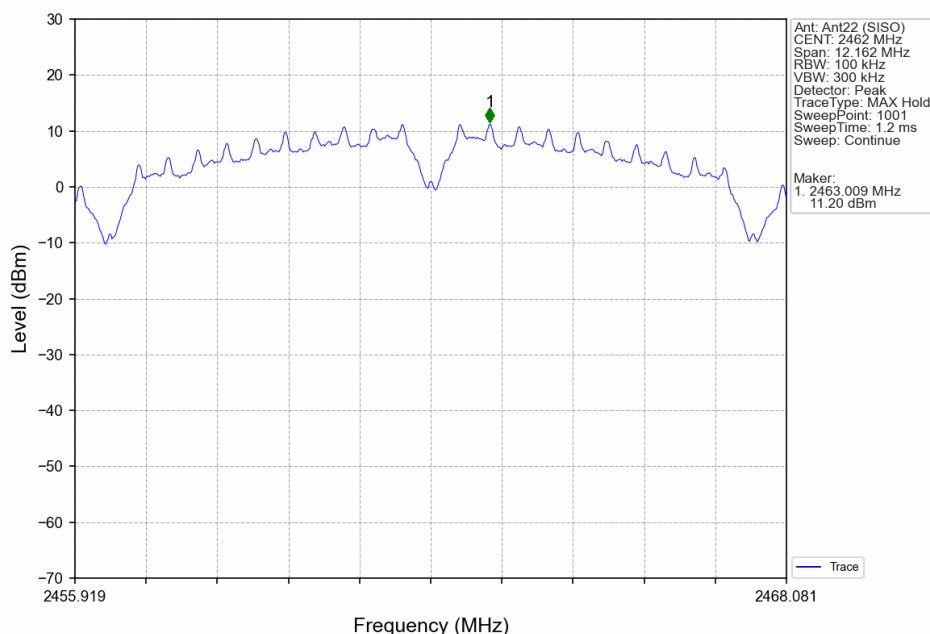


### 5.2 Test Graph

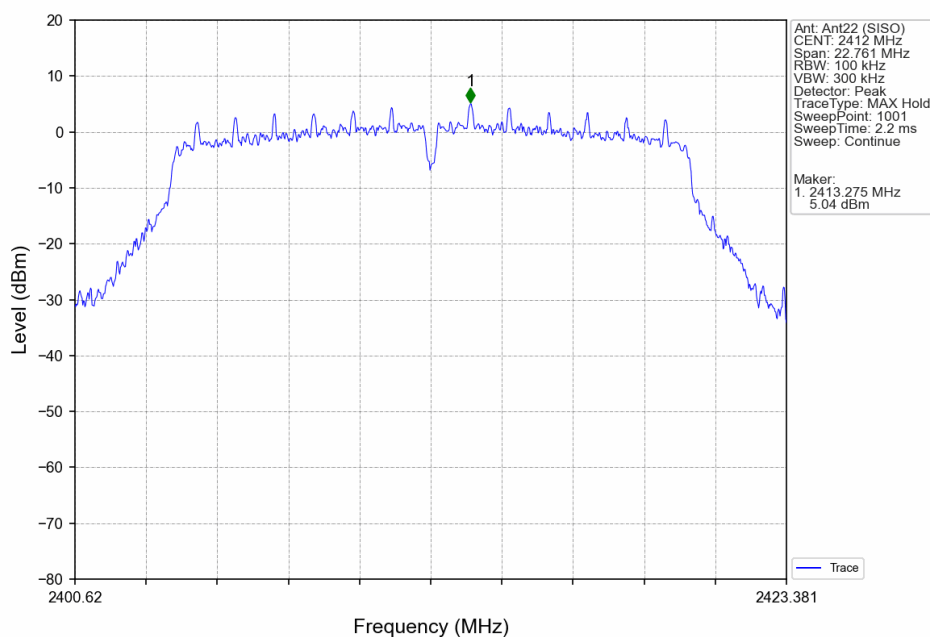
#### 5.2.1 Ref



802.11b\_HCH\_2462MHz\_Ant22 (SISO)\_NTNV



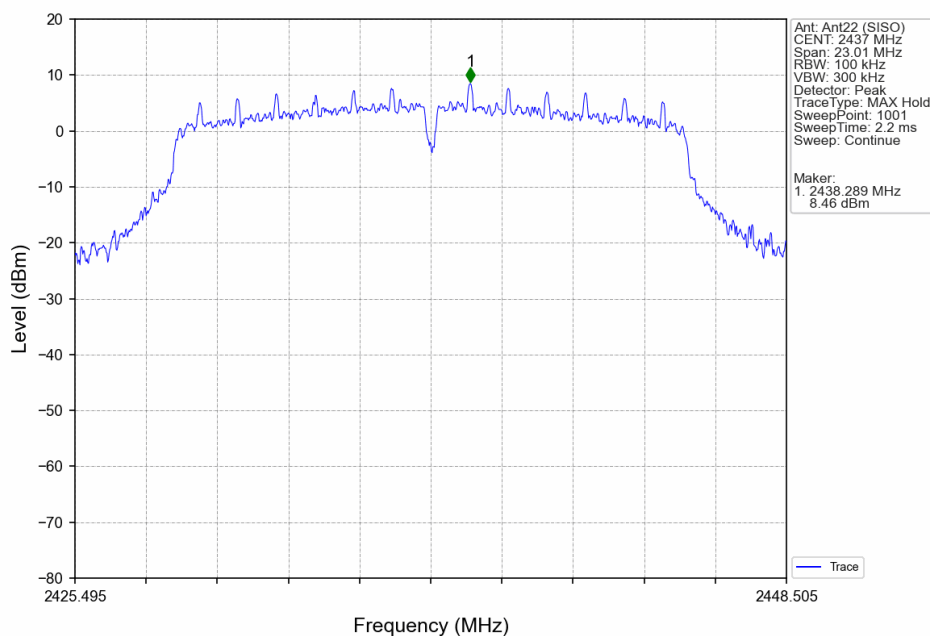
802.11g\_LCH\_2412MHz\_Ant22 (SISO)\_NTNV



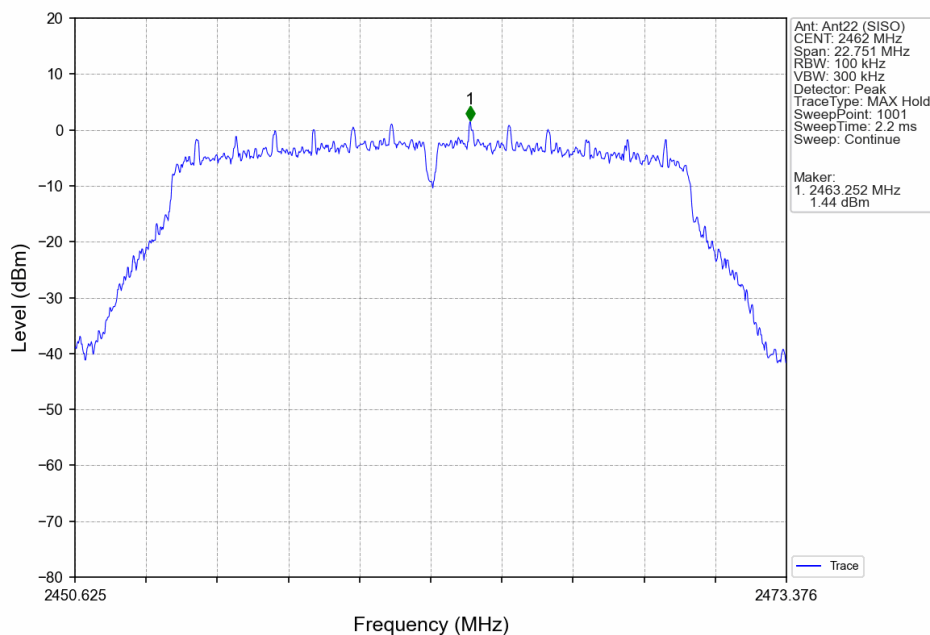
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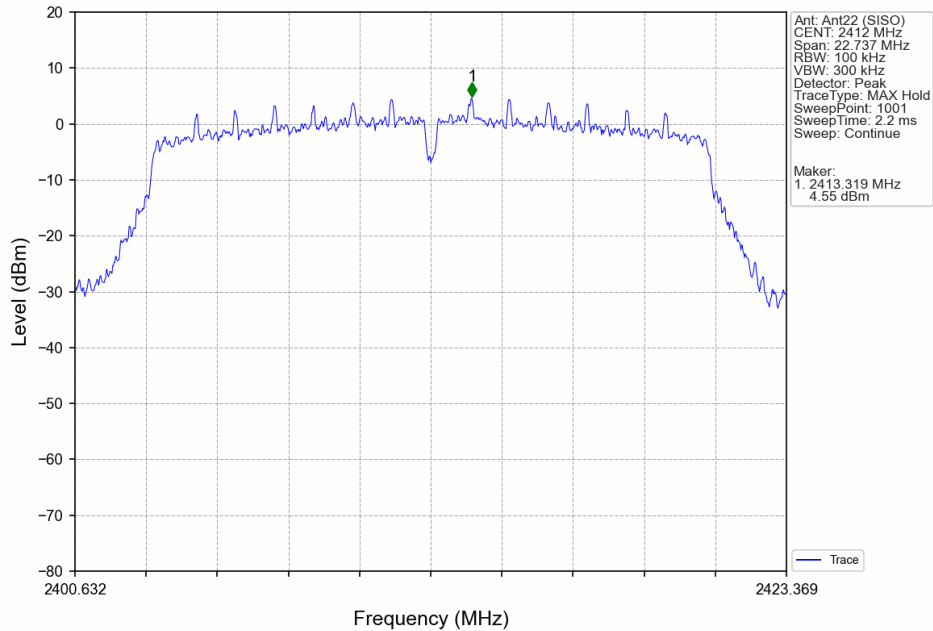
802.11g\_MCH\_2437MHz\_Ant22 (SISO)\_NTNV



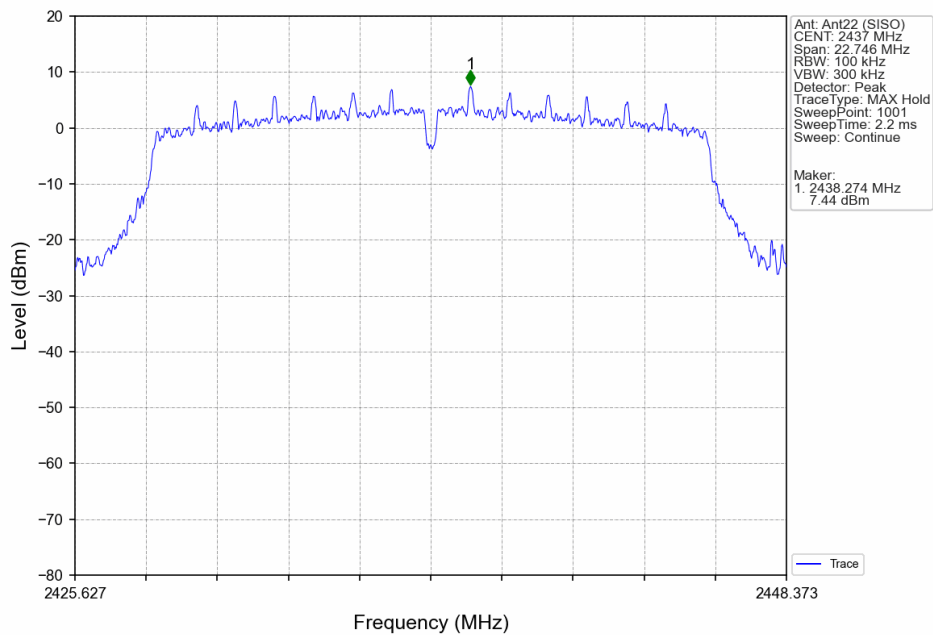
802.11g\_HCH\_2462MHz\_Ant22 (SISO)\_NTNV



802.11n(HT20)\_LCH\_2412MHz\_Ant22 (SISO)\_NTNV



802.11n(HT20)\_MCH\_2437MHz\_Ant22 (SISO)\_NTNV

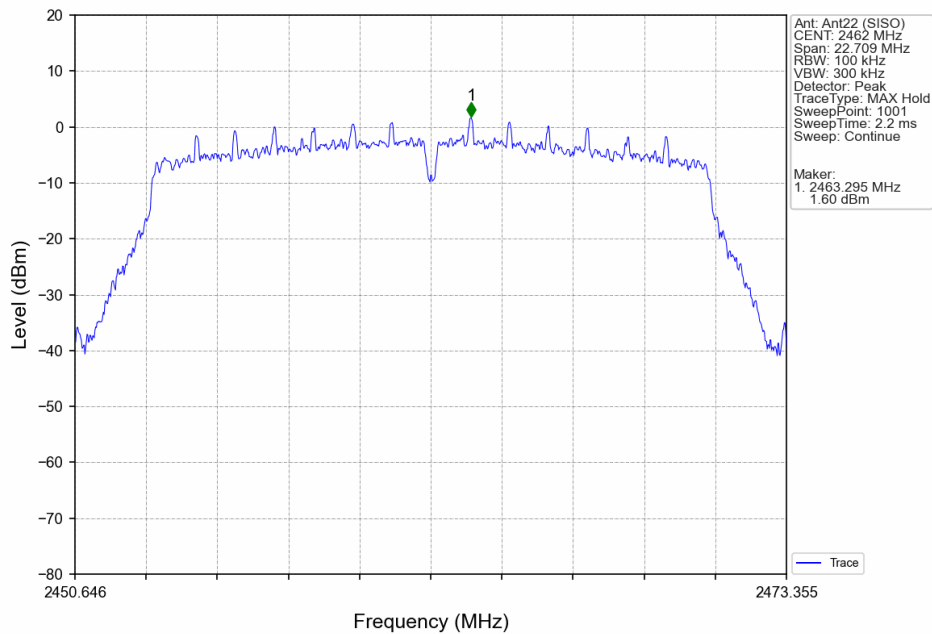


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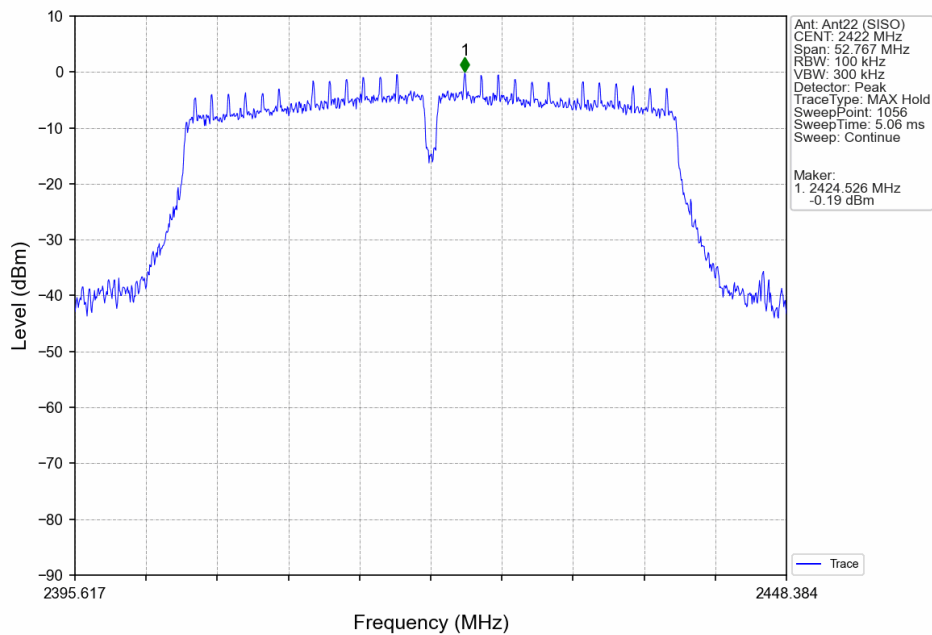
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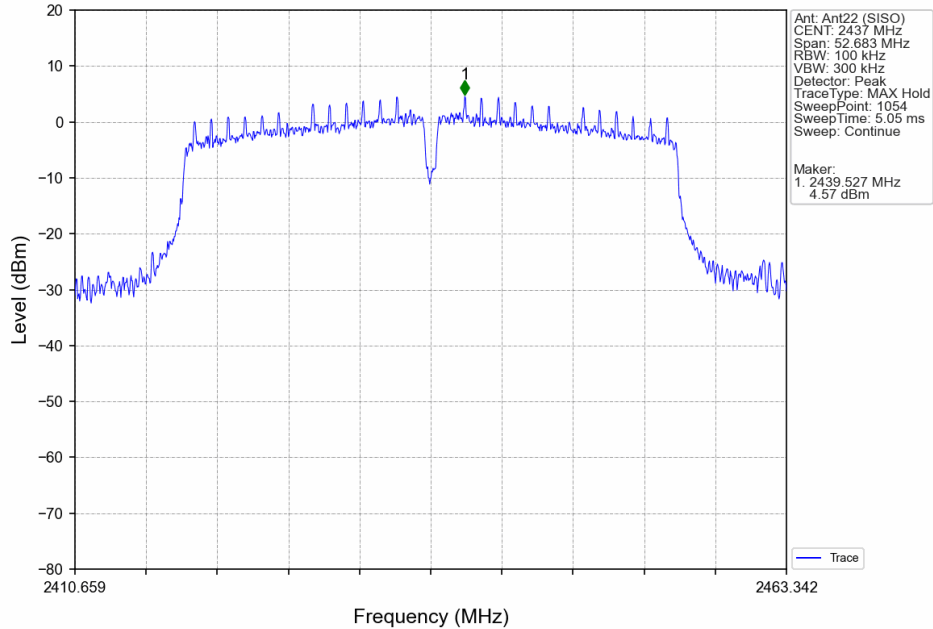
802.11n(HT20)\_HCH\_2462MHz\_Ant22 (SISO)\_NTNV



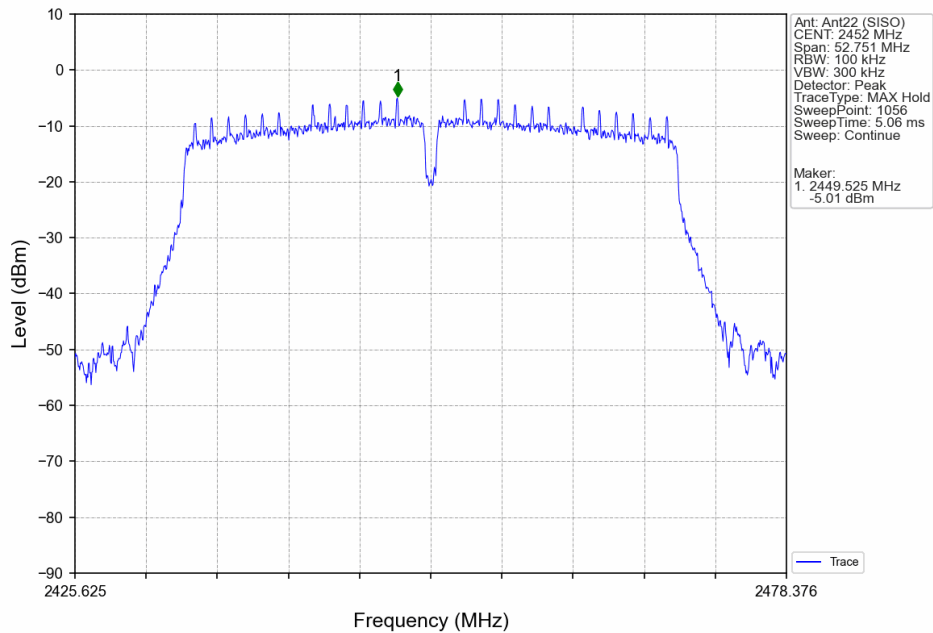
802.11n(HT40)\_LCH\_2422MHz\_Ant22 (SISO)\_NTNV



### 802.11n(HT40)\_MCH\_2437MHz\_Ant22 (SISO)\_NTNV



### 802.11n(HT40)\_HCH\_2452MHz\_Ant22 (SISO)\_NTNV



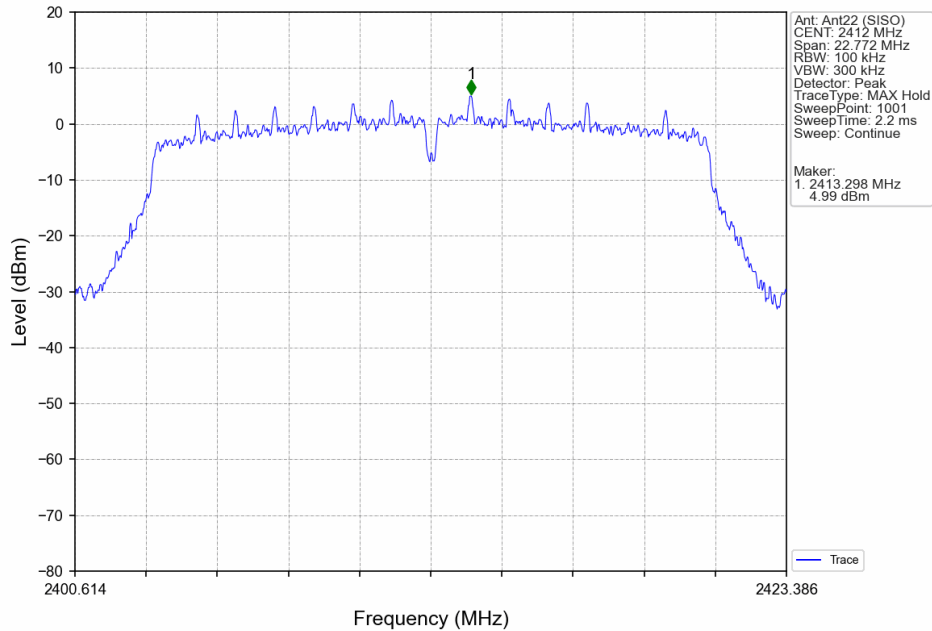
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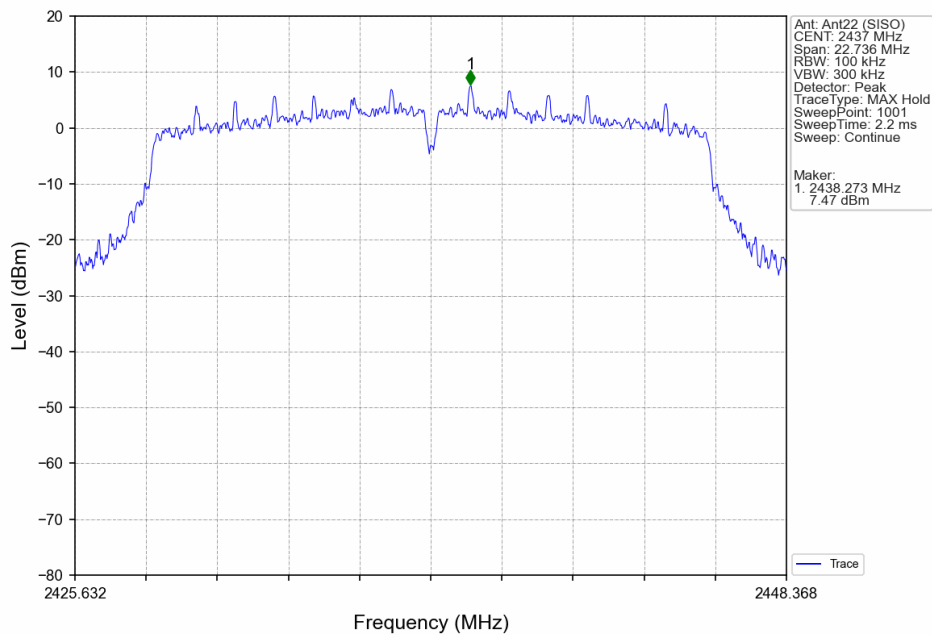
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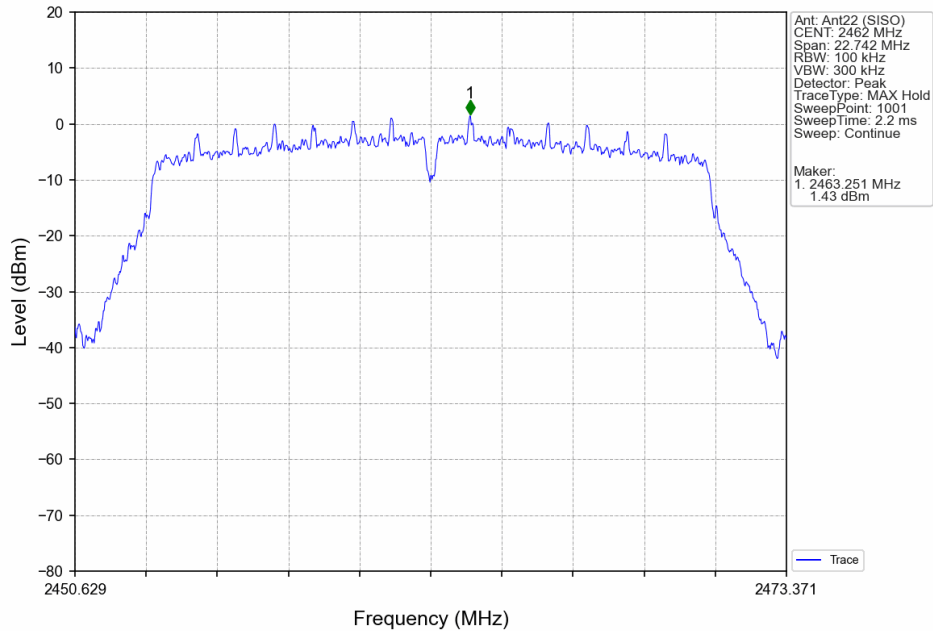
802.11ac(VHT20)\_LCH\_2412MHz\_Ant22 (SISO)\_NTNV



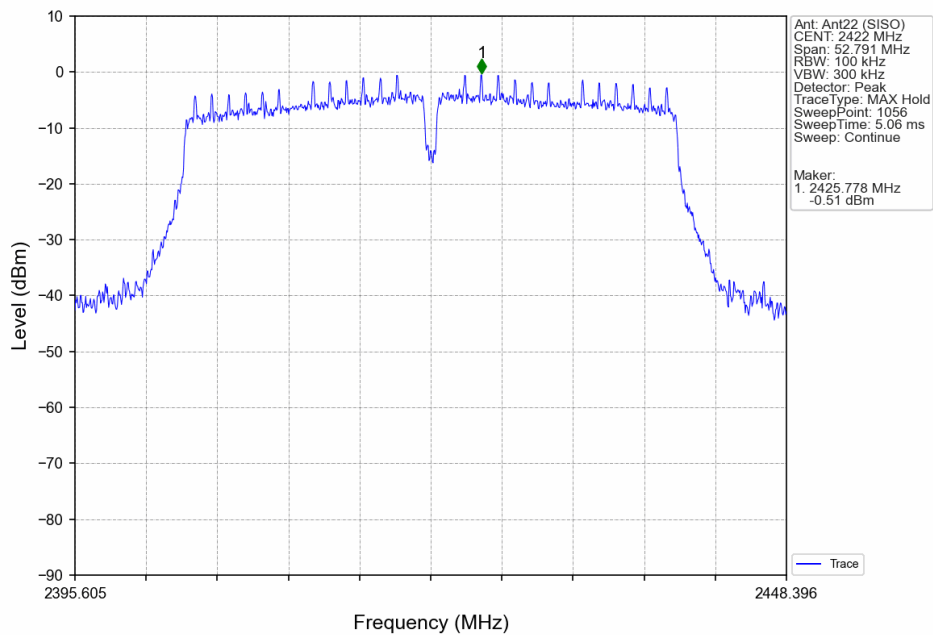
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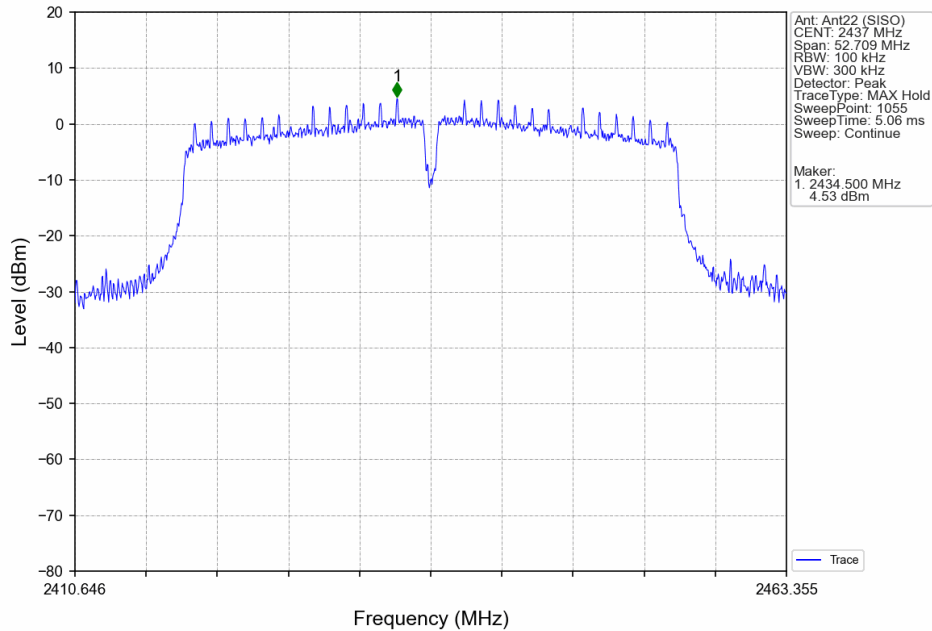


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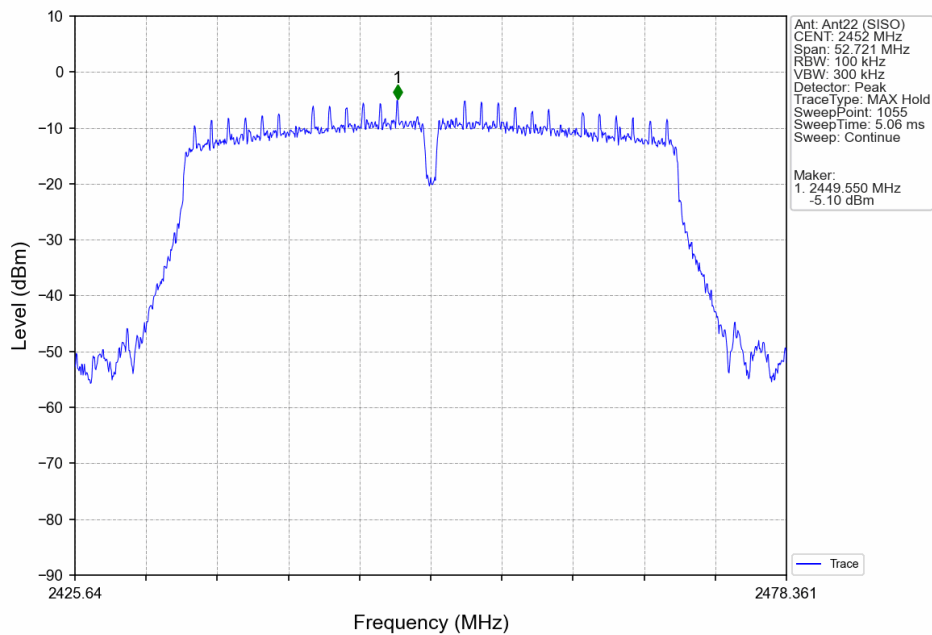




### 802.11ac(VHT40)\_MCH\_2437MHz\_Ant22 (SISO)\_NTNV



### 802.11ac(VHT40)\_HCH\_2452MHz\_Ant22 (SISO)\_NTNV



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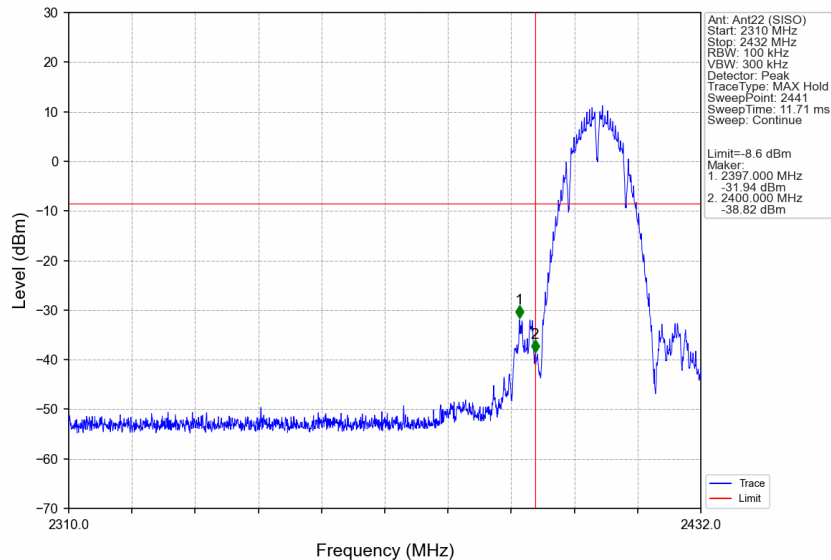
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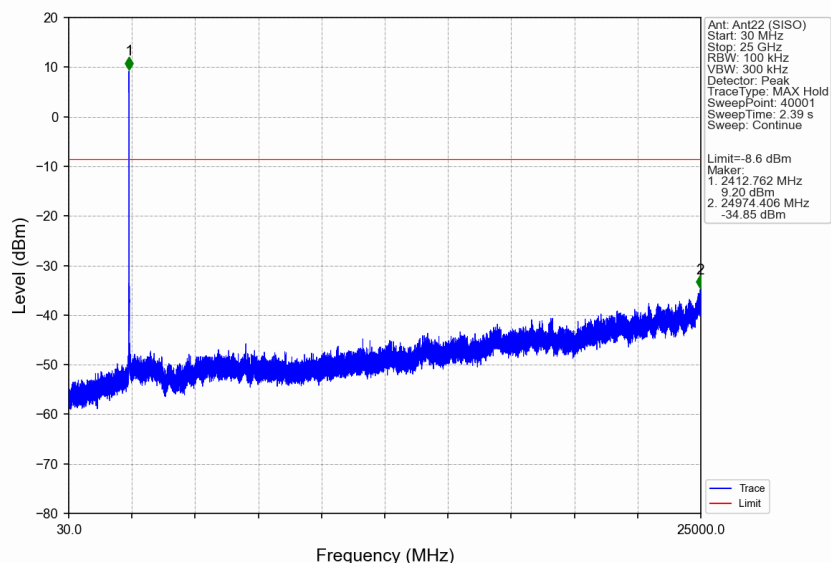
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### 5.2.2 CSE

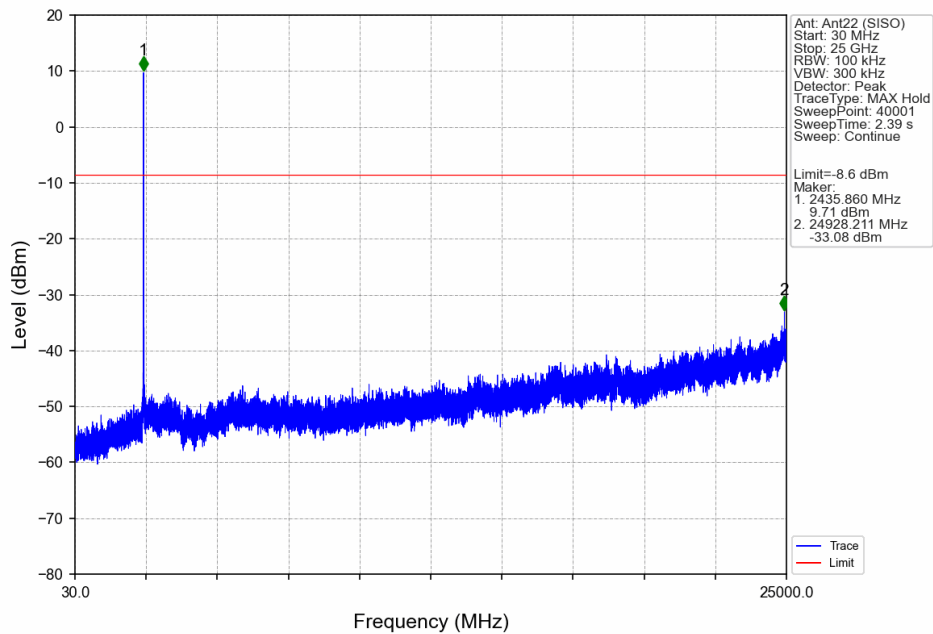
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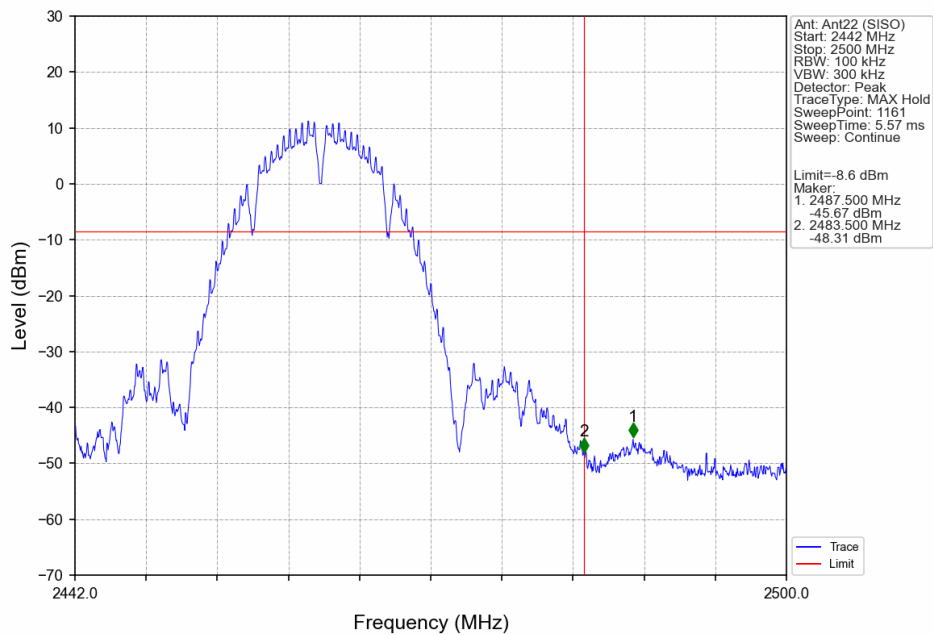
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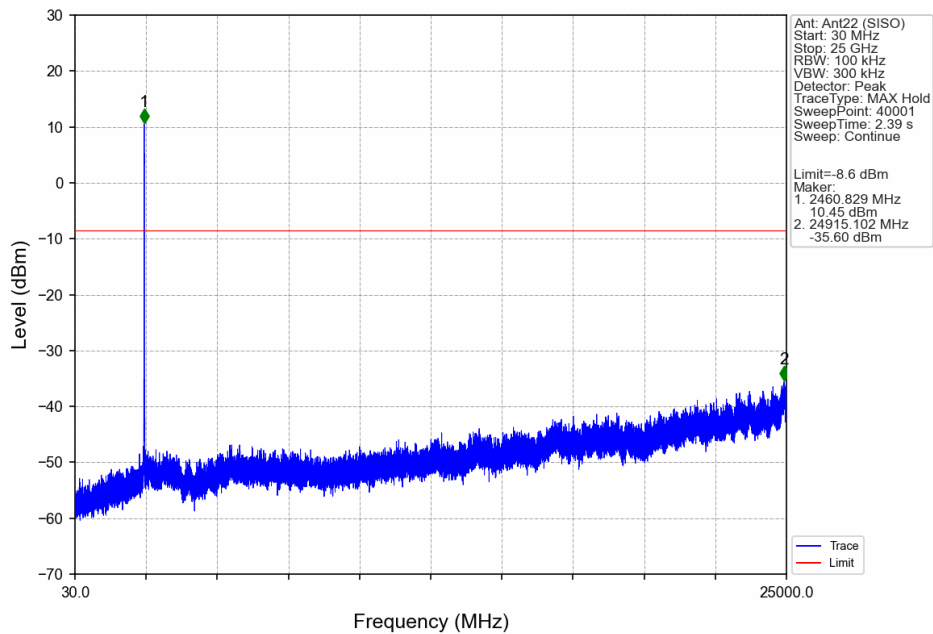
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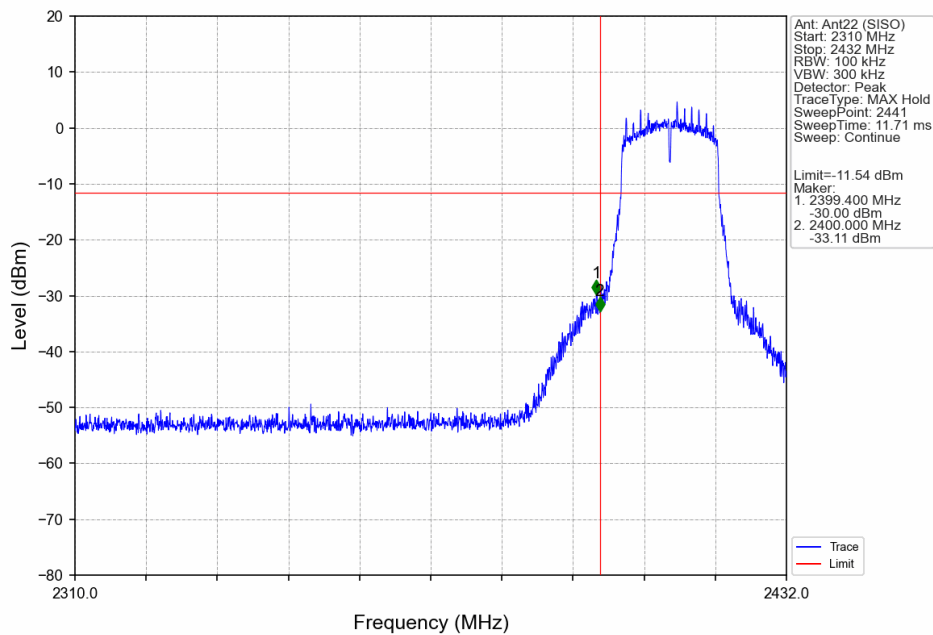
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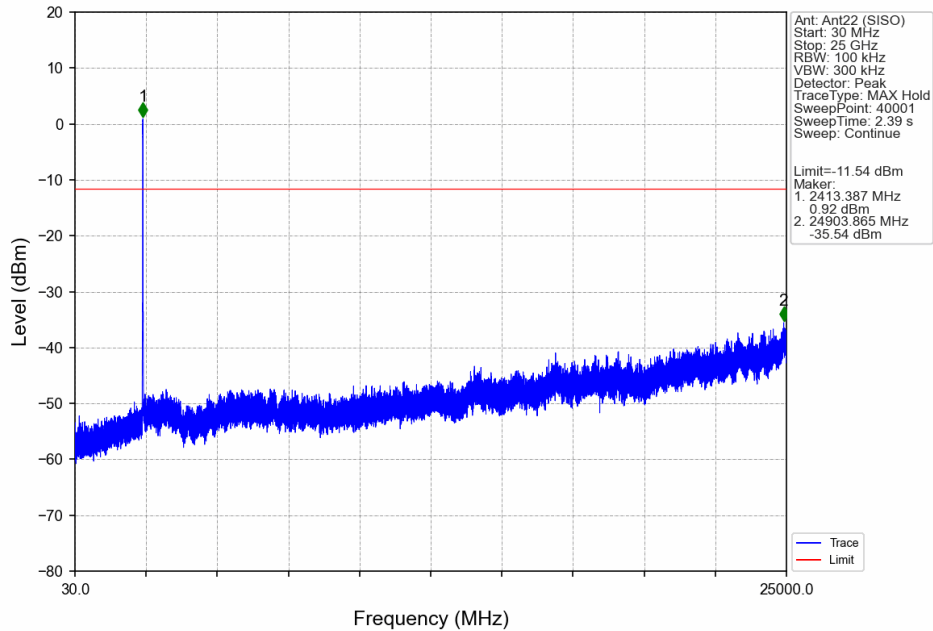


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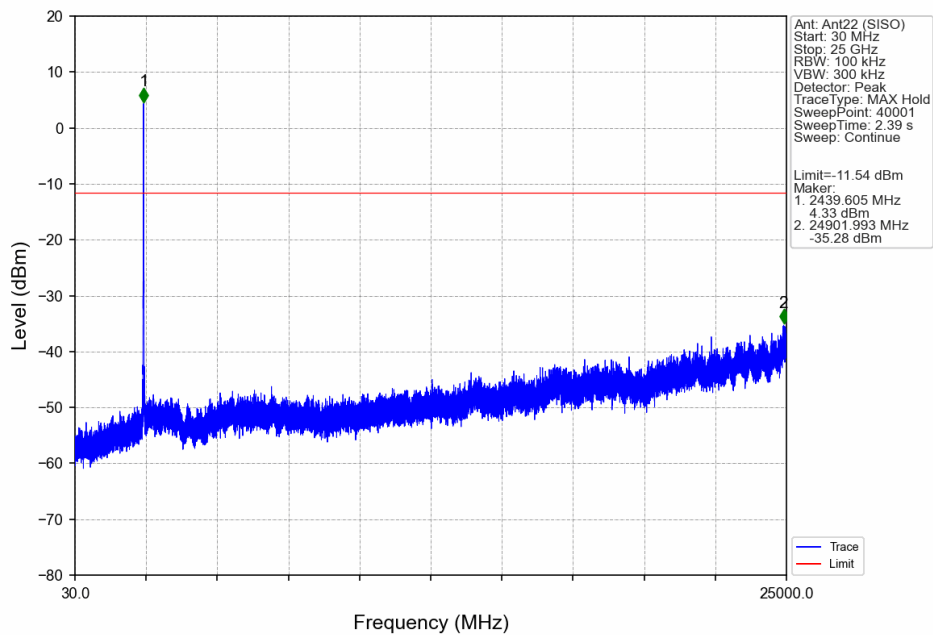




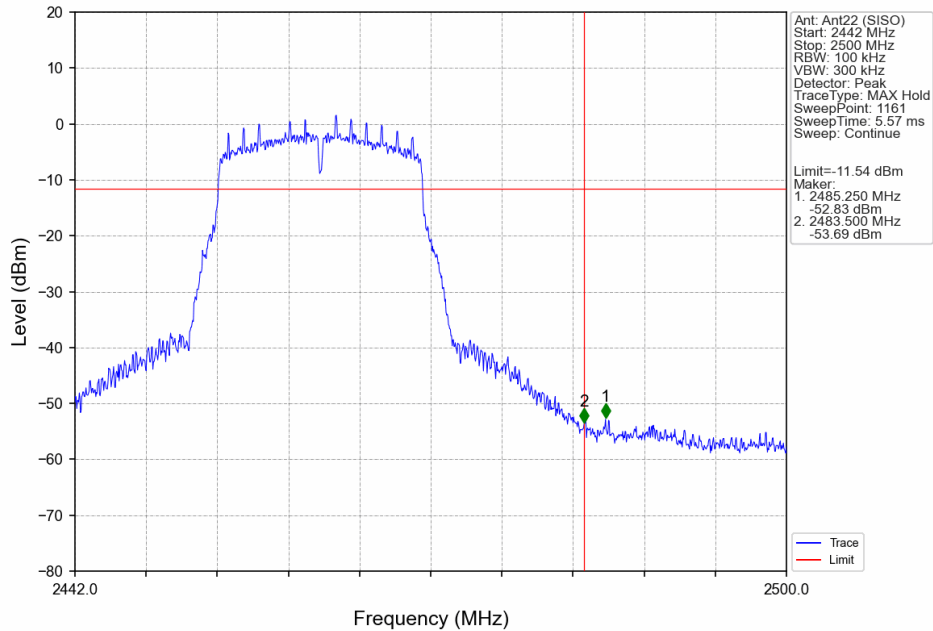
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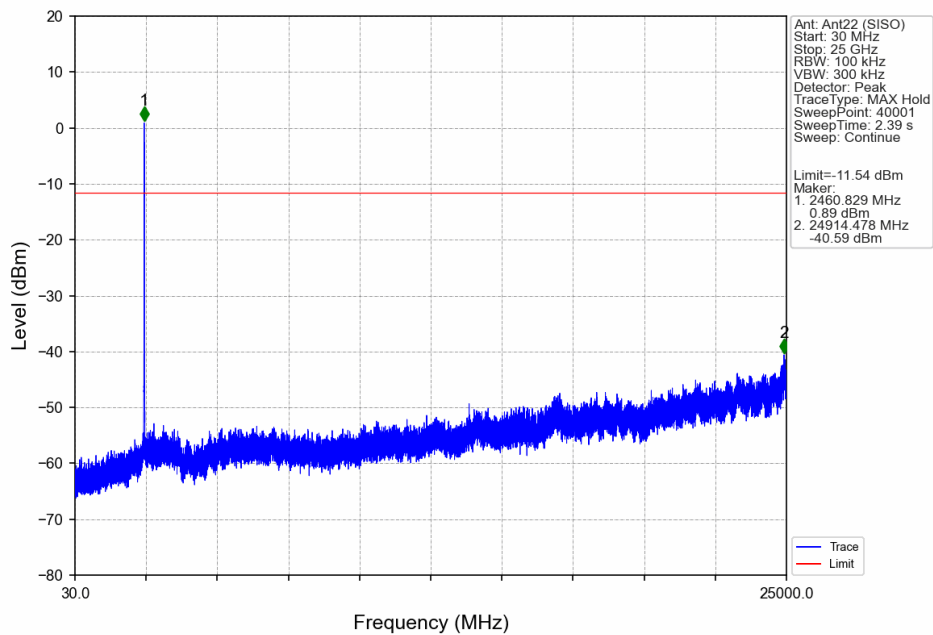
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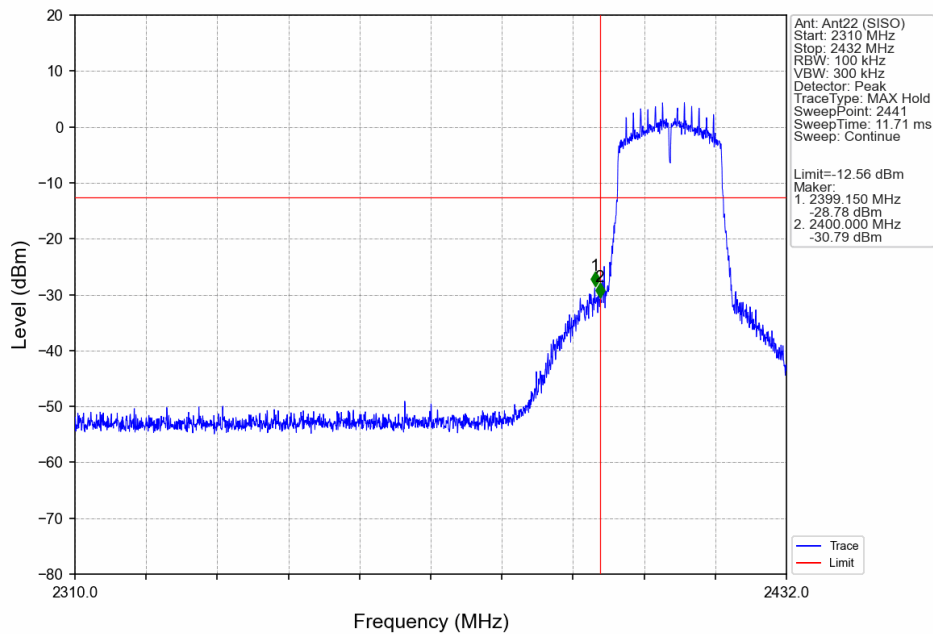
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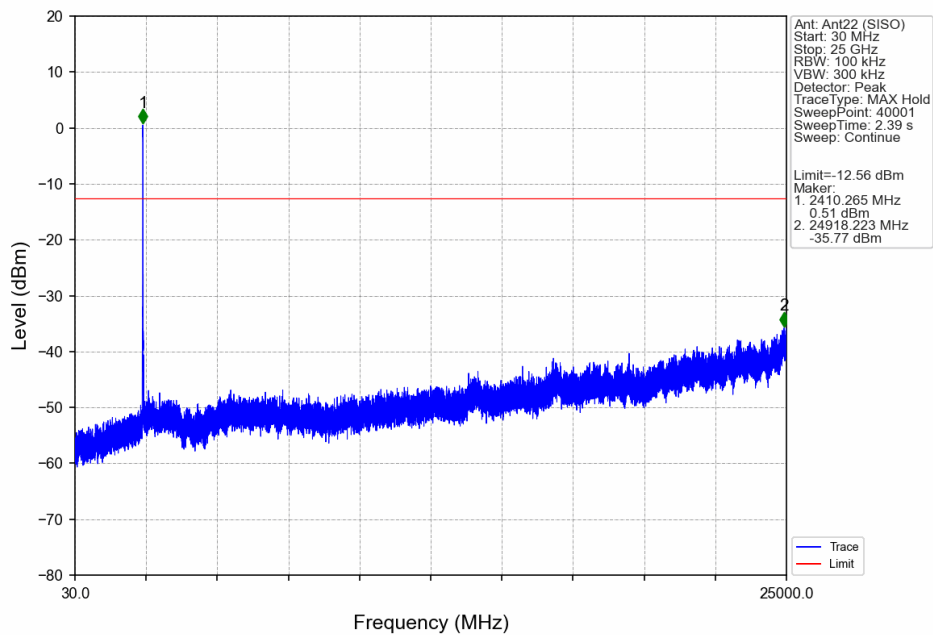
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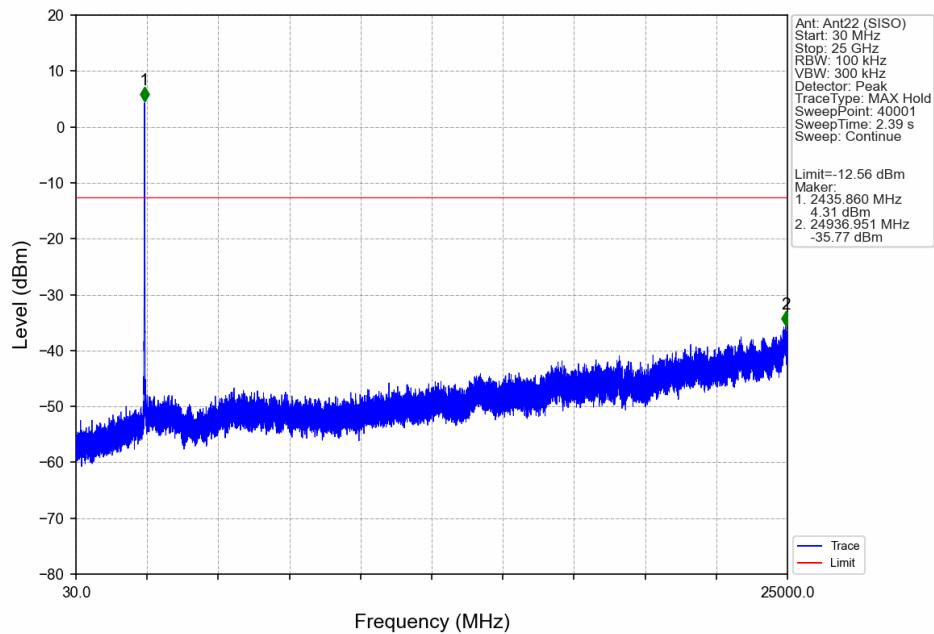
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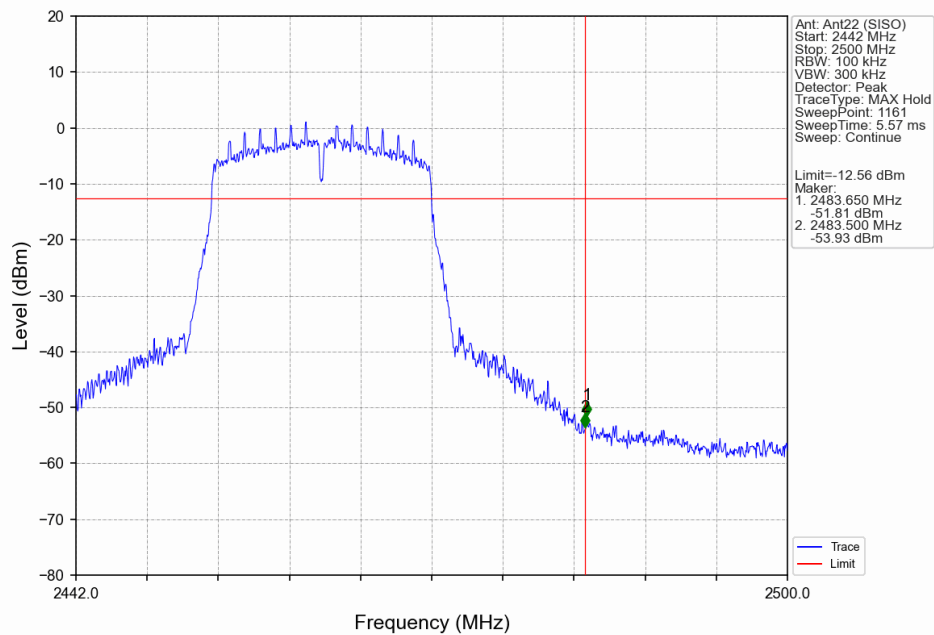
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802.11n(HT20)\_MCH\_2437MHz\_Ant22 (SISO)\_NTNV

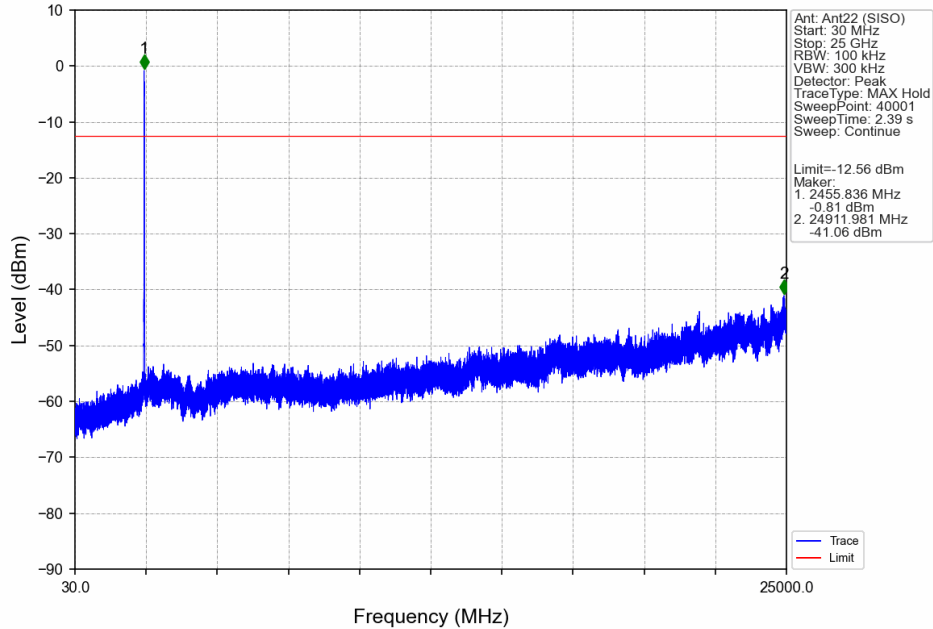


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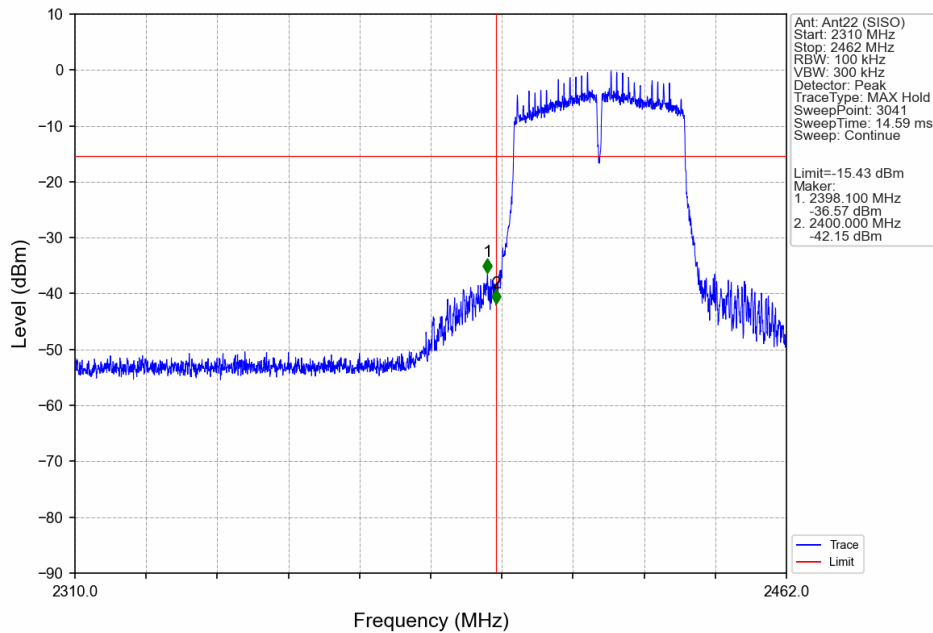




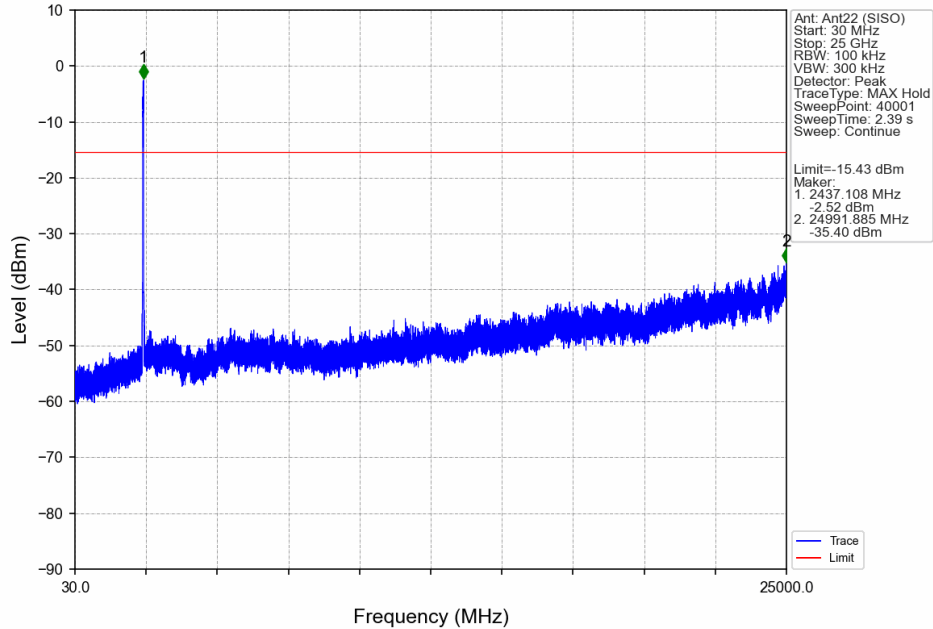
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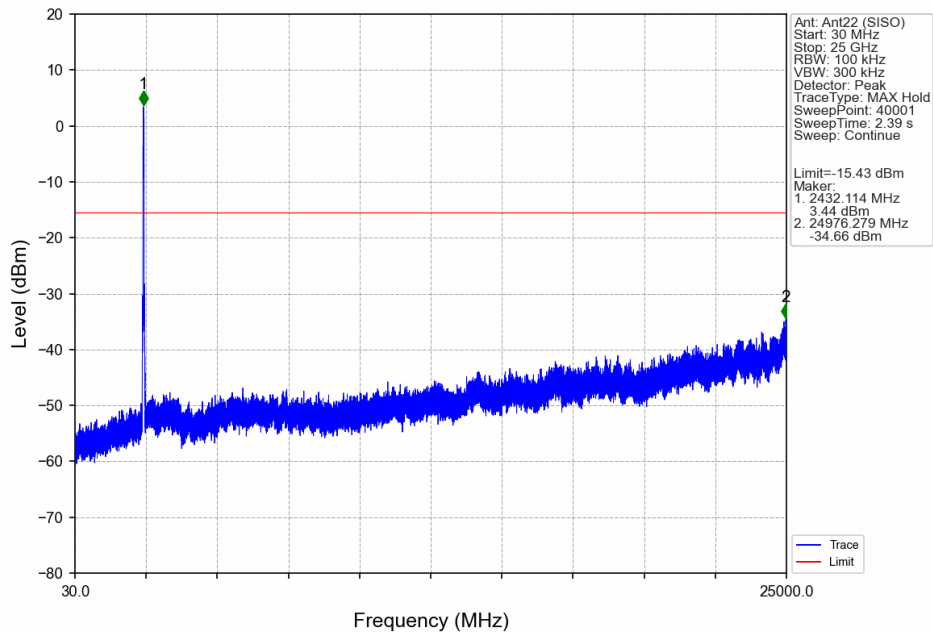
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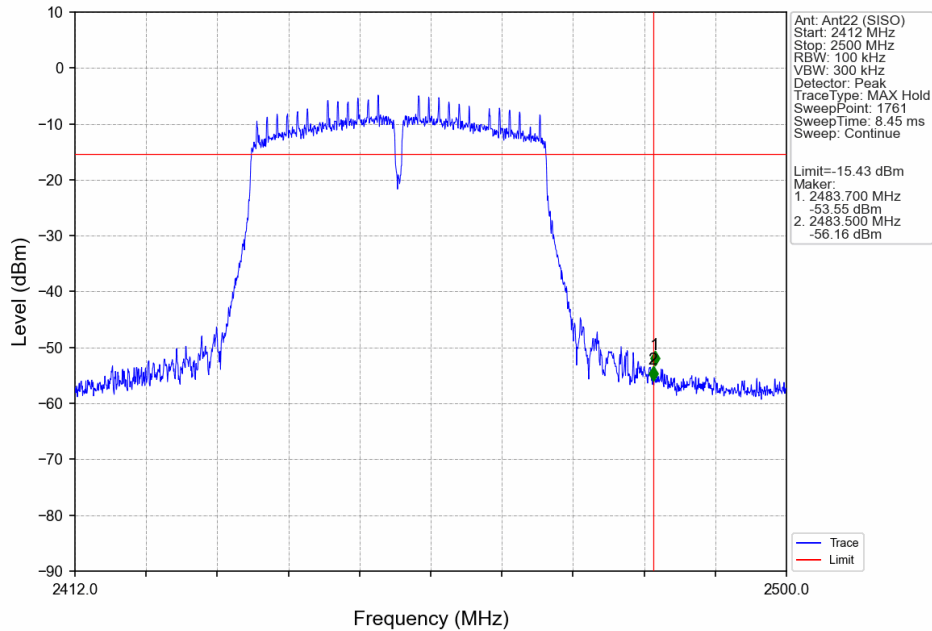
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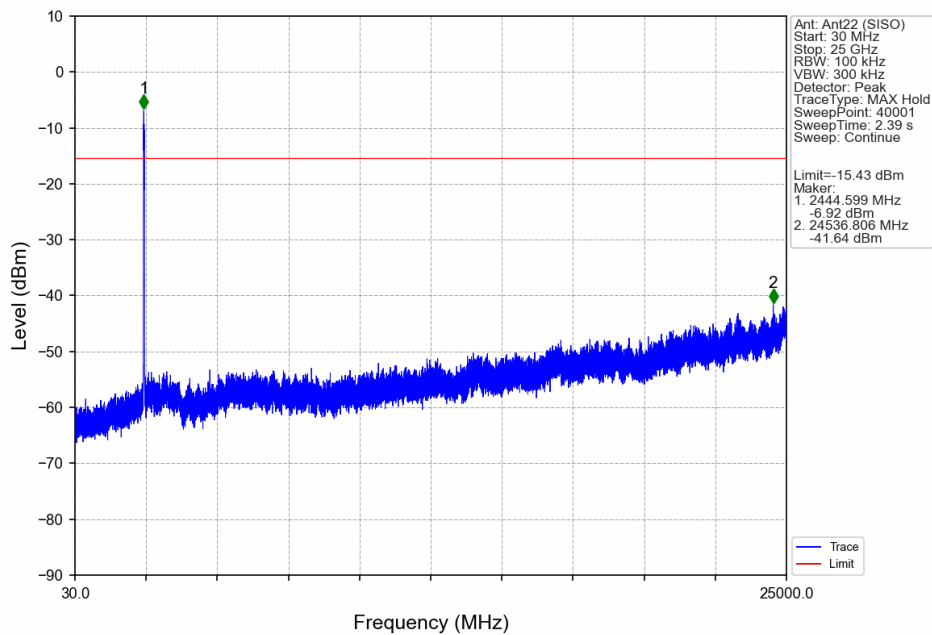
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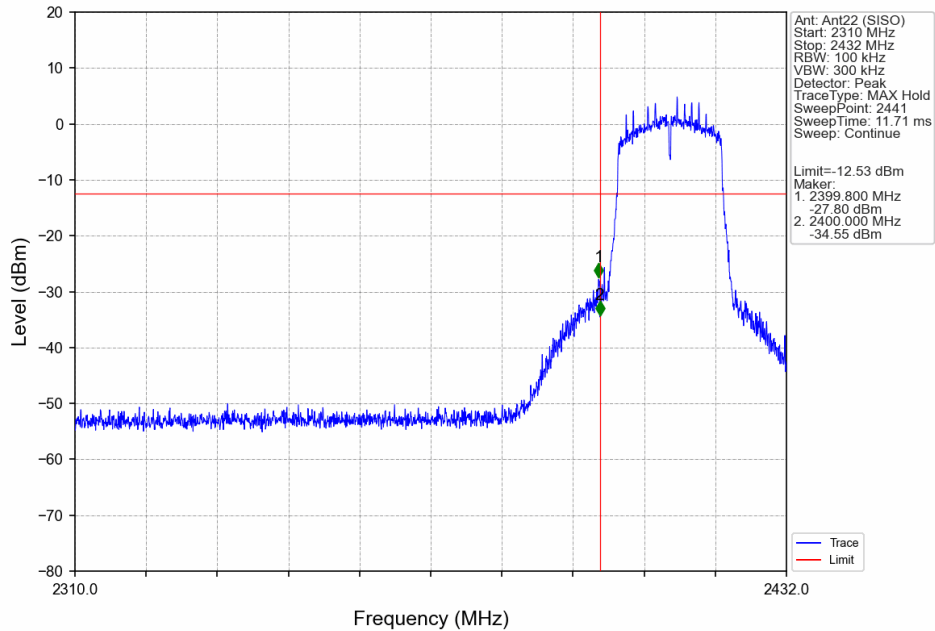
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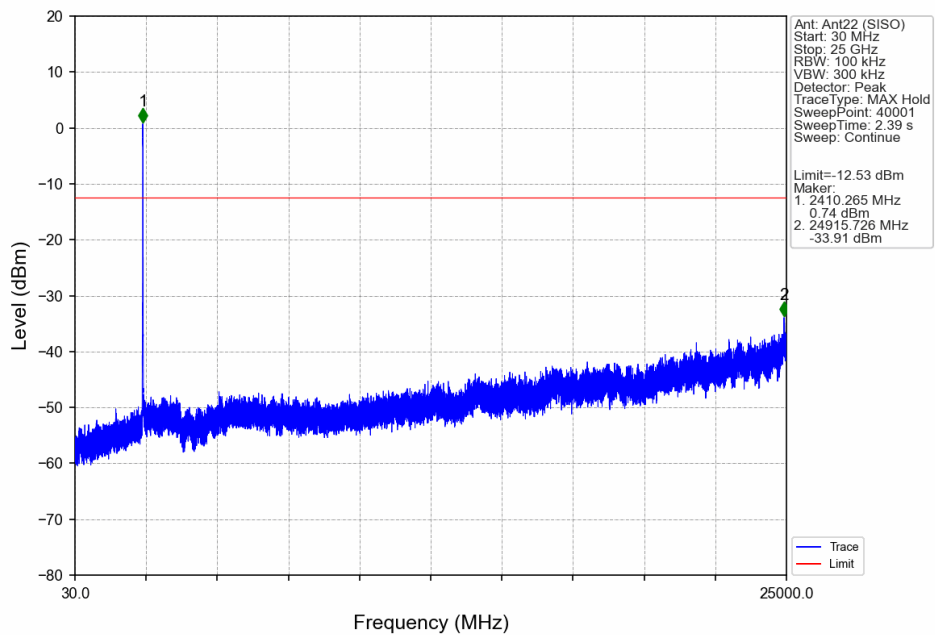
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### 802.11ac(VHT20)\_LCH\_2412MHz\_Ant22 (SISO)\_NTNV



### 802.11ac(VHT20)\_LCH\_2412MHz\_Ant22 (SISO)\_NTNV



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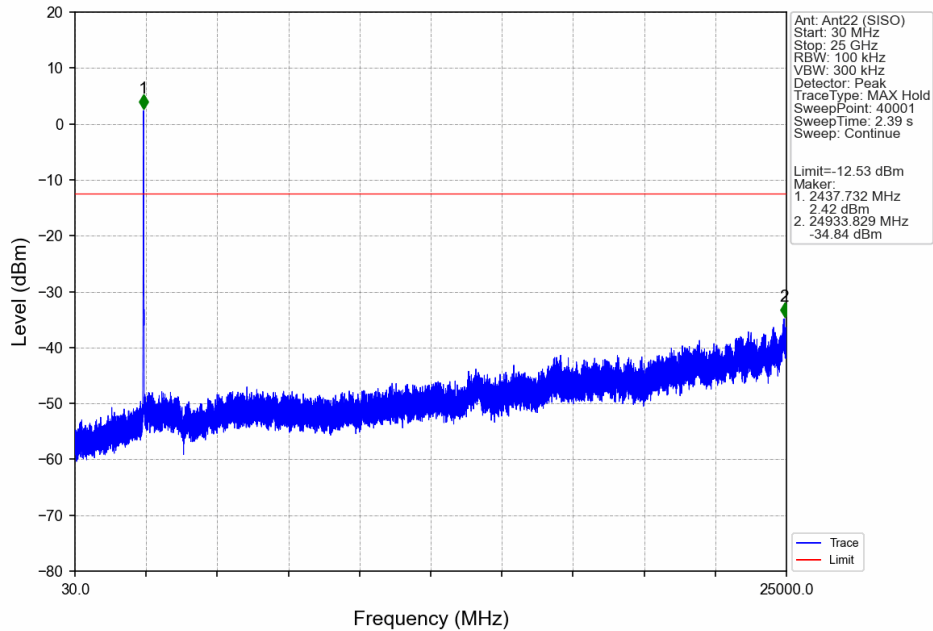
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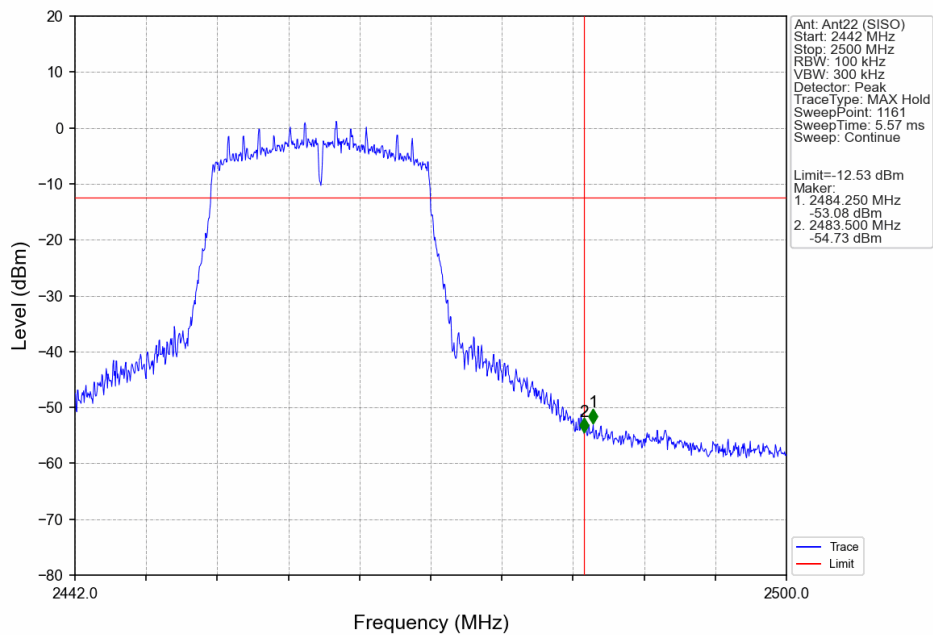
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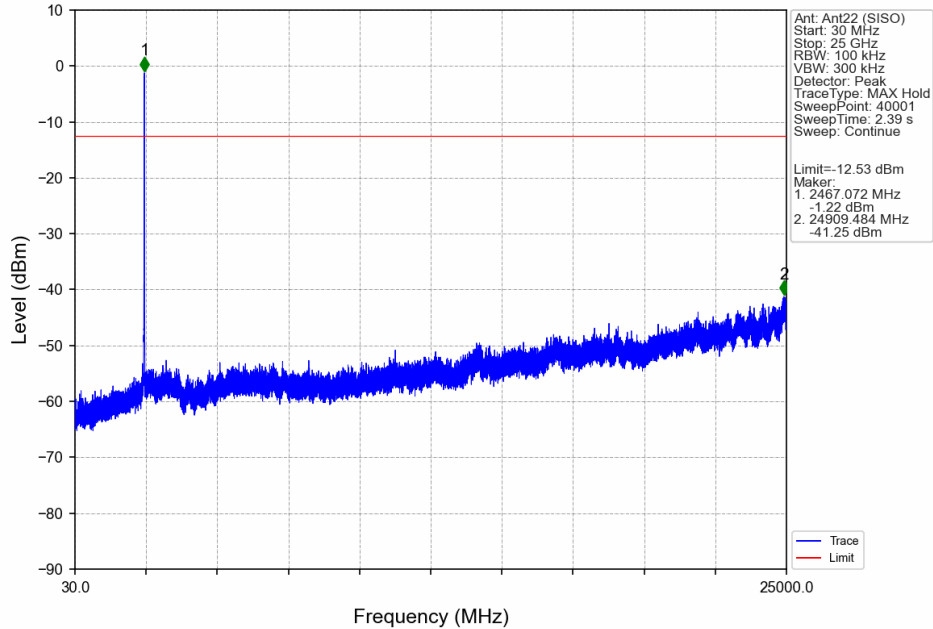
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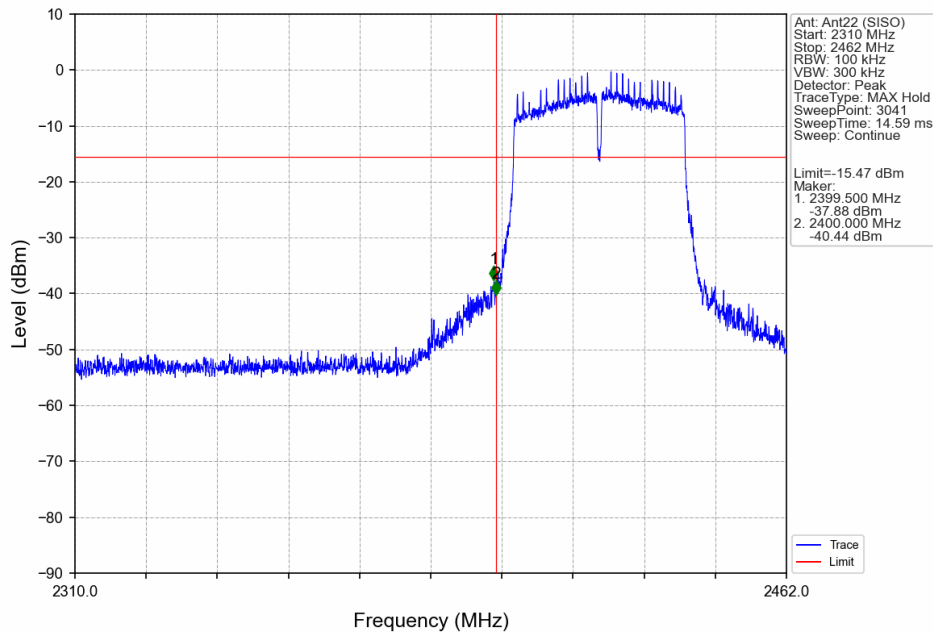
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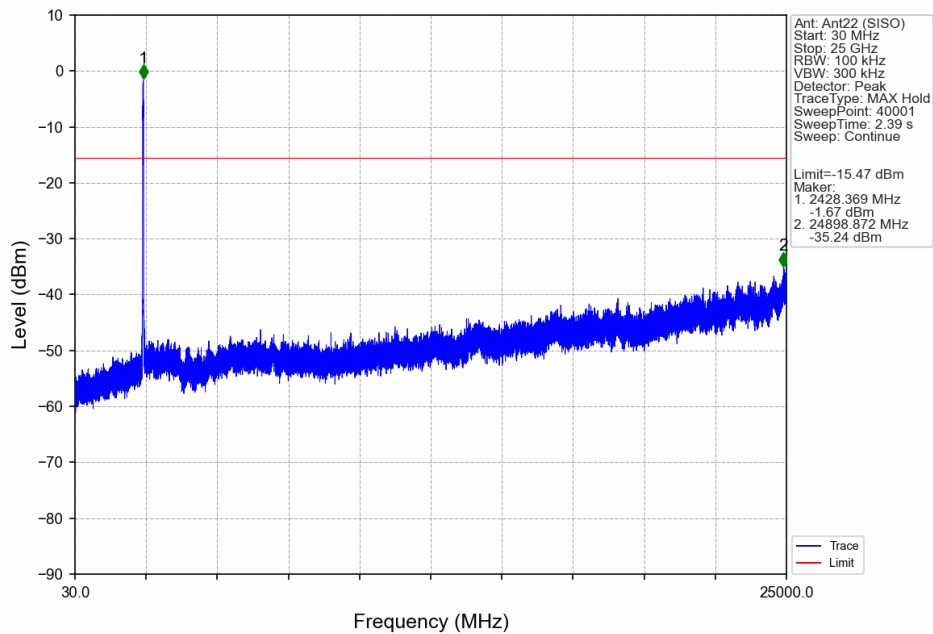
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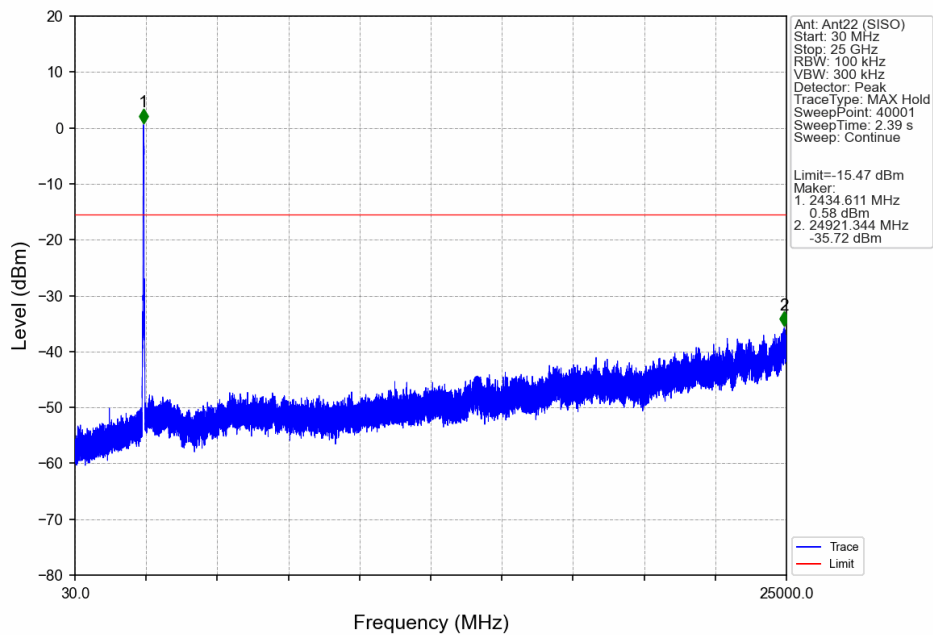
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### 802.11ac(VHT40)\_LCH\_2422MHz\_Ant22 (SISO)\_NTNV



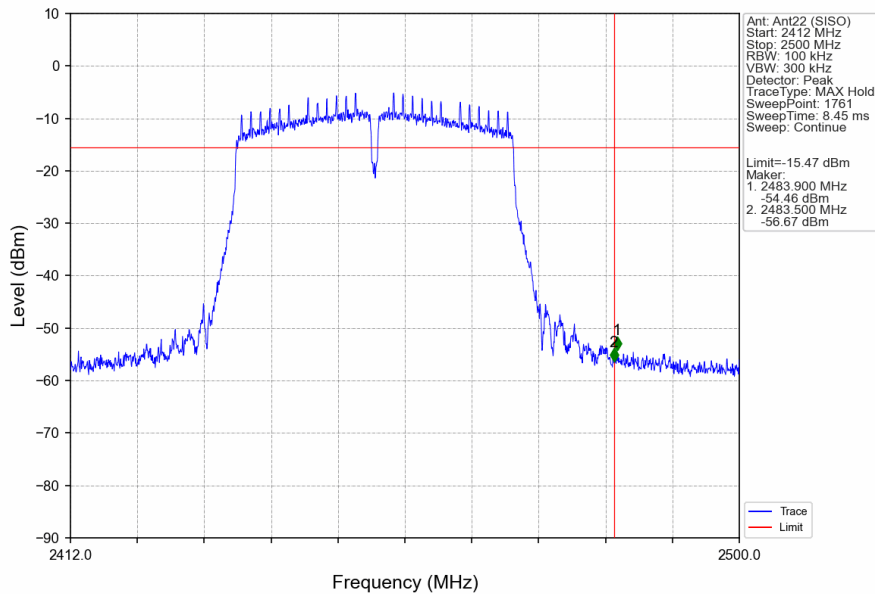
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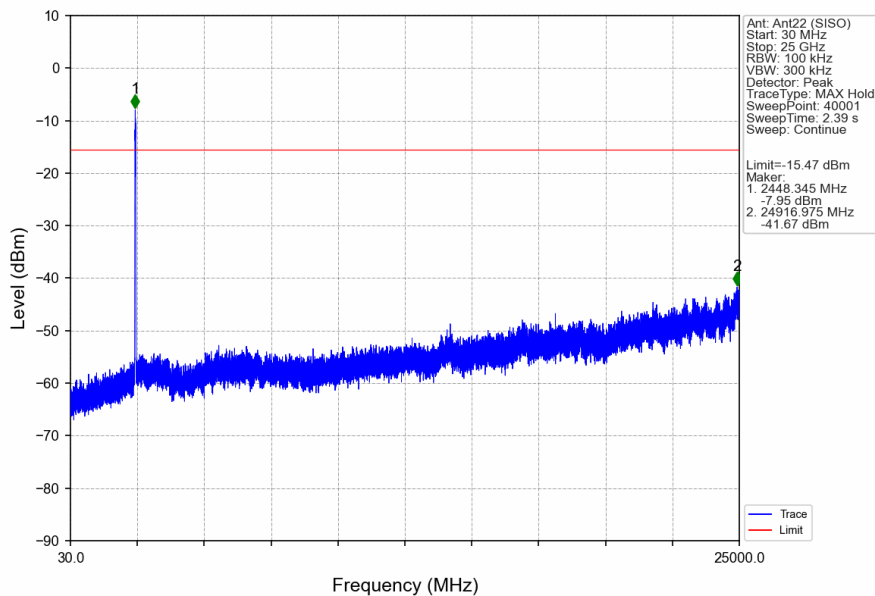
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### 802.11ac(VHT40)\_HCH\_2452MHz\_Ant22 (SISO)\_NTNV



- End of the Report -

