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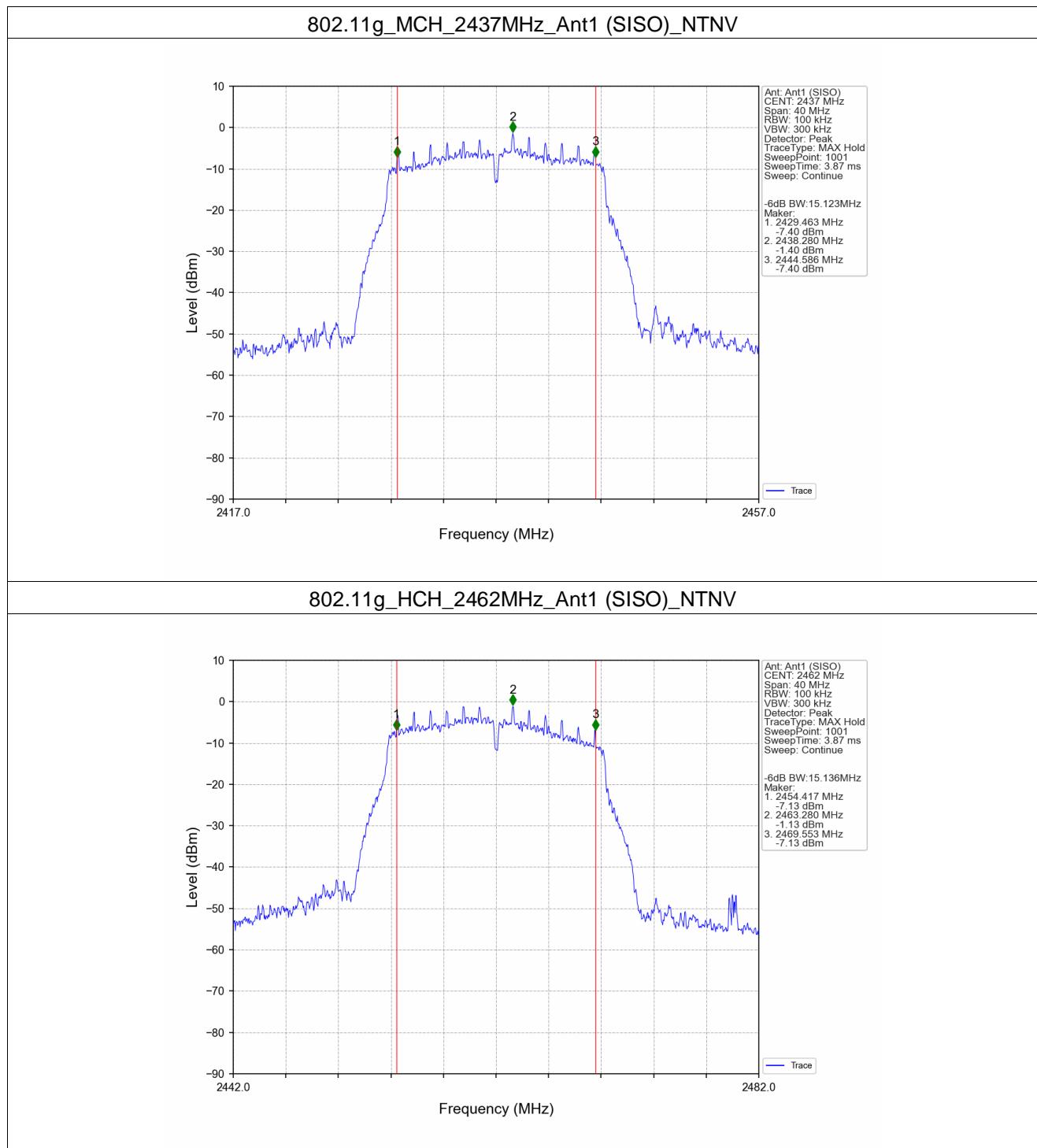
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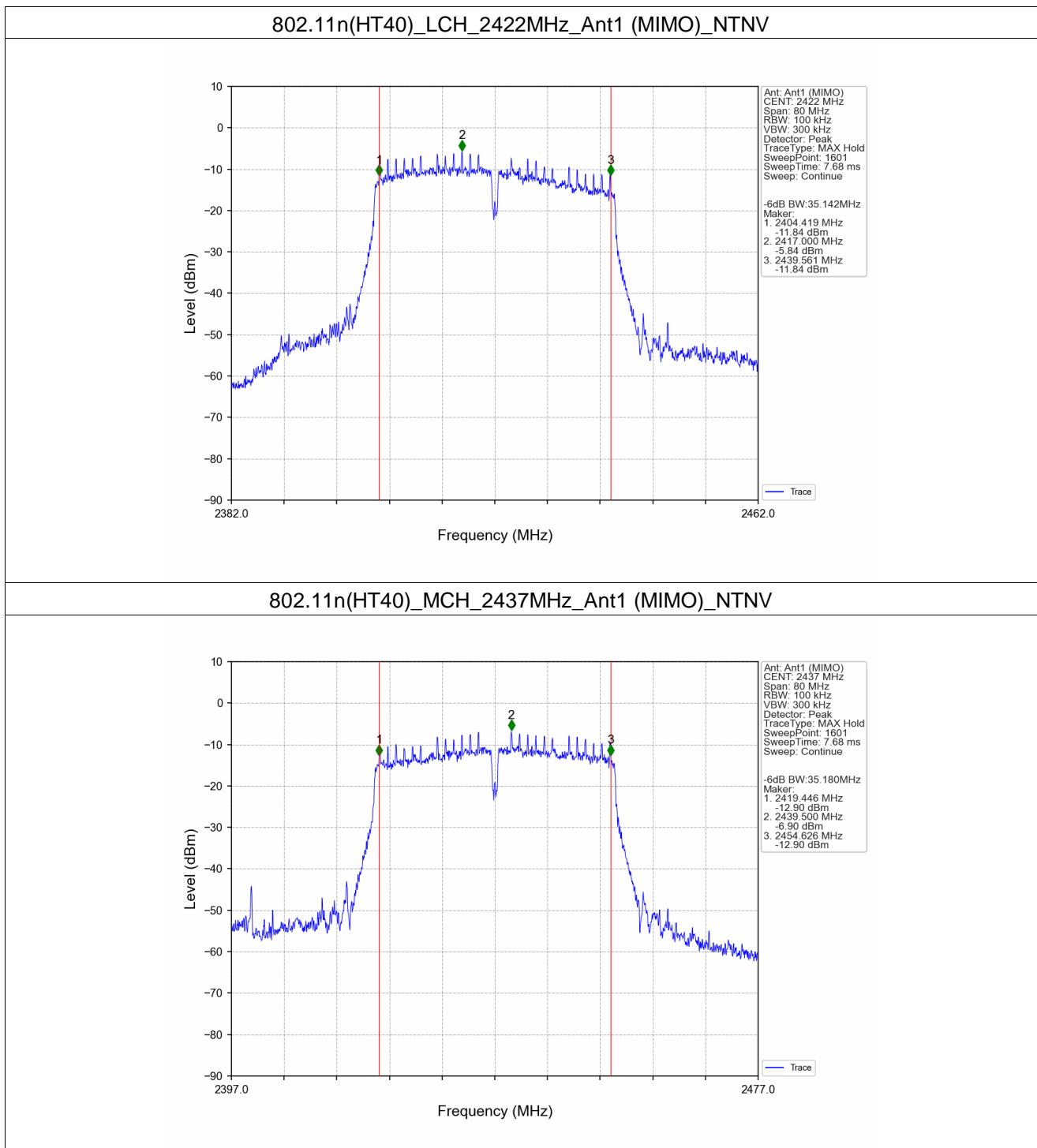
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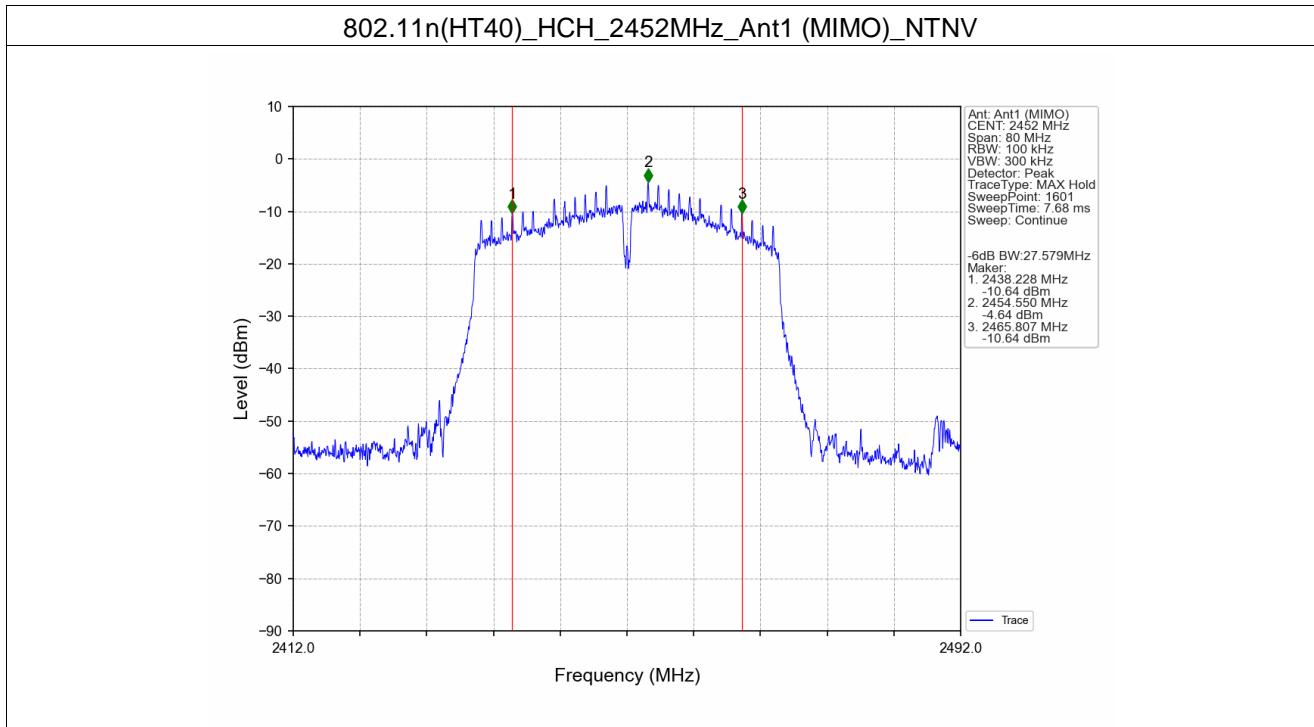
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### 3. Maximum Conducted Output Power

#### 3.1 Test Result

##### 3.1.1 Power

###### Antenna Option 2

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11b	SISO	2412	17.73	16.59	/	<=30	Pass
		2437	14.22	13.61	/	<=30	Pass
		2462	15.43	12.64	/	<=30	Pass
802.11g	SISO	2412	18.19	17.97	/	<=30	Pass
		2437	15.58	15.20	/	<=30	Pass
		2462	16.78	13.77	/	<=30	Pass
802.11n (HT20)	MIMO	2412	16.61	16.84	19.74	<=29.89	Pass
		2437	13.82	13.62	16.73	<=29.89	Pass
		2462	14.63	11.84	16.47	<=29.89	Pass
802.11n (HT40)	MIMO	2422	14.69	15.44	18.09	<=29.89	Pass
		2437	13.86	13.48	16.68	<=29.89	Pass
		2452	14.20	11.12	15.94	<=29.89	Pass

Note1: Antenna Gain: Ant1: 3.10dBi; Ant2: 3.10dBi;

Note2: Directional Gain: 6.11dBi

###### Antenna Option 1

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11b	SISO	2412	17.73	16.59	/	<=30	Pass
		2437	14.22	13.61	/	<=30	Pass
		2462	15.43	12.64	/	<=30	Pass
802.11g	SISO	2412	18.19	17.97	/	<=30	Pass
		2437	15.58	15.20	/	<=30	Pass
		2462	16.78	13.77	/	<=30	Pass
802.11n (HT20)	MIMO	2412	16.61	16.84	19.74	<=30	Pass
		2437	13.82	13.62	16.73	<=30	Pass
		2462	14.63	11.84	16.47	<=30	Pass
802.11n (HT40)	MIMO	2422	14.69	15.44	18.09	<=30	Pass
		2437	13.86	13.48	16.68	<=30	Pass
		2452	14.20	11.12	15.94	<=30	Pass

Note1: Antenna Gain: Ant1: 2.00dBi; Ant2: 2.00dBi;

Note2: Directional Gain: Band1: 5.01dBi



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## 4. Maximum Power Spectral Density

### 4.1 Test Result

#### 4.1.1 PSD

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11b	SISO	2412	-10.38	-0.34	/	<=8	Pass
		2437	-13.79	-5.99	/	<=8	Pass
		2462	-12.14	-15.59	/	<=8	Pass
802.11g	SISO	2412	-14.33	-15.87	/	<=8	Pass
		2437	-18.32	-18.15	/	<=8	Pass
		2462	-16.78	-20.46	/	<=8	Pass
802.11n (HT20)	MIMO	2412	-13.11	-15.76	-12.18	<=8	Pass
		2437	-20.04	-19.95	-17.50	<=8	Pass
		2462	-18.19	-21.60	-17.20	<=8	Pass
802.11n (HT40)	MIMO	2422	-21.57	-20.36	-18.62	<=8	Pass
		2437	-21.97	-21.50	-20.58	<=8	Pass
		2452	-20.57	-24.75	-20.12	<=8	Pass

Note1: Option 1: Antenna Gain: Ant1: 2dBi; Ant2: 2dBi;  
Option 2: Antenna Gain: Ant1: 3.10dBi; Ant2: 3.10dBi;  
Note2: Directional Gain: 5.01dBi for option 1 or 6.11dBi for option 2

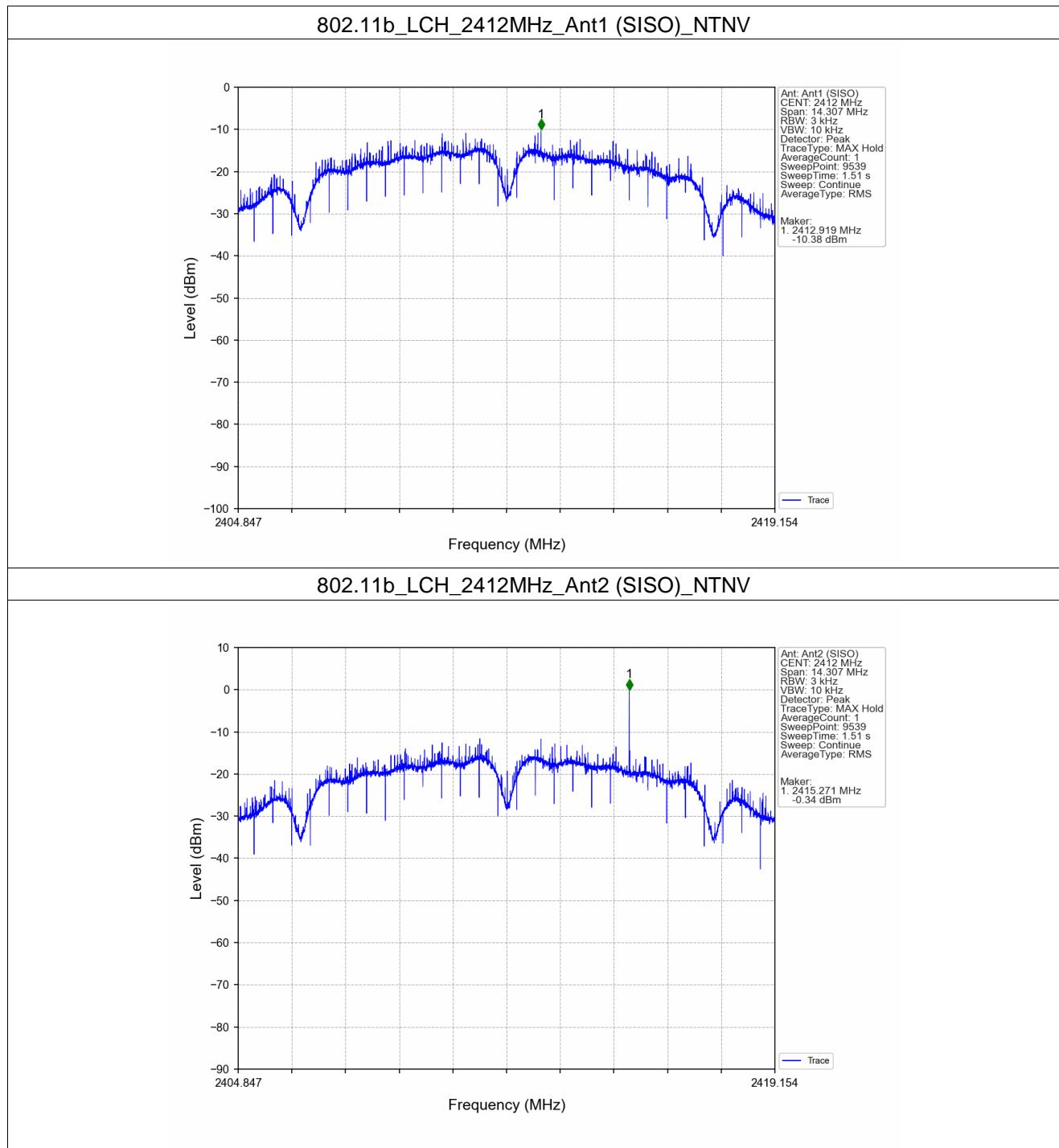


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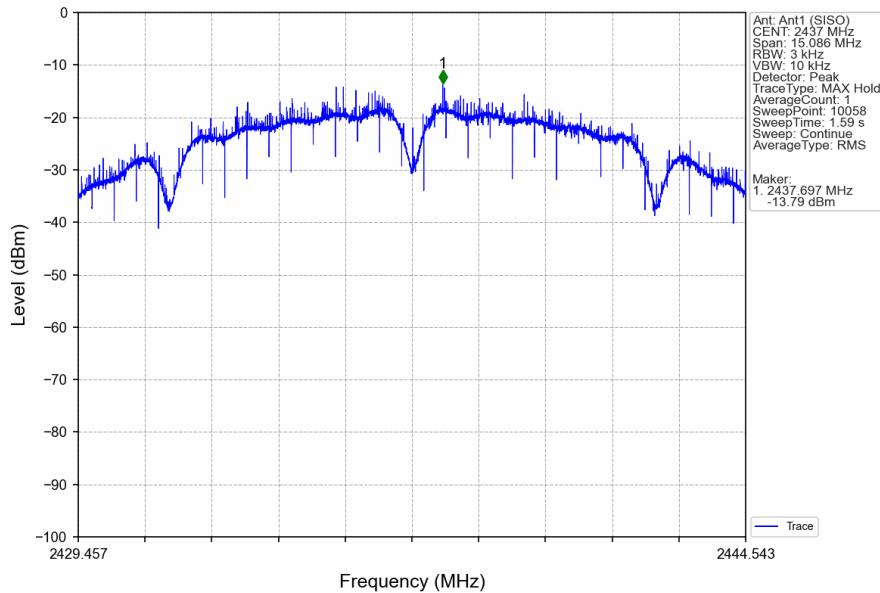
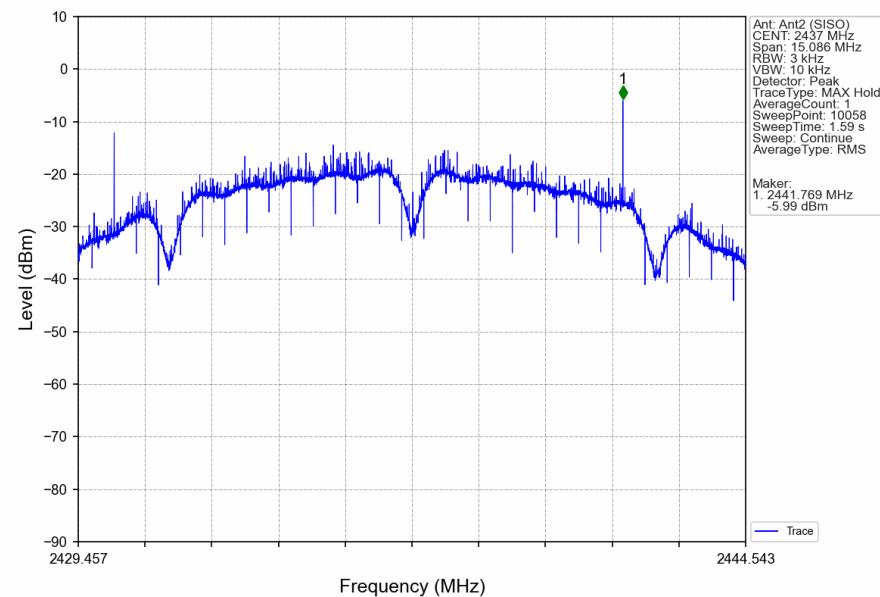
## 4.2 Test Graph

### 4.2.1 PSD



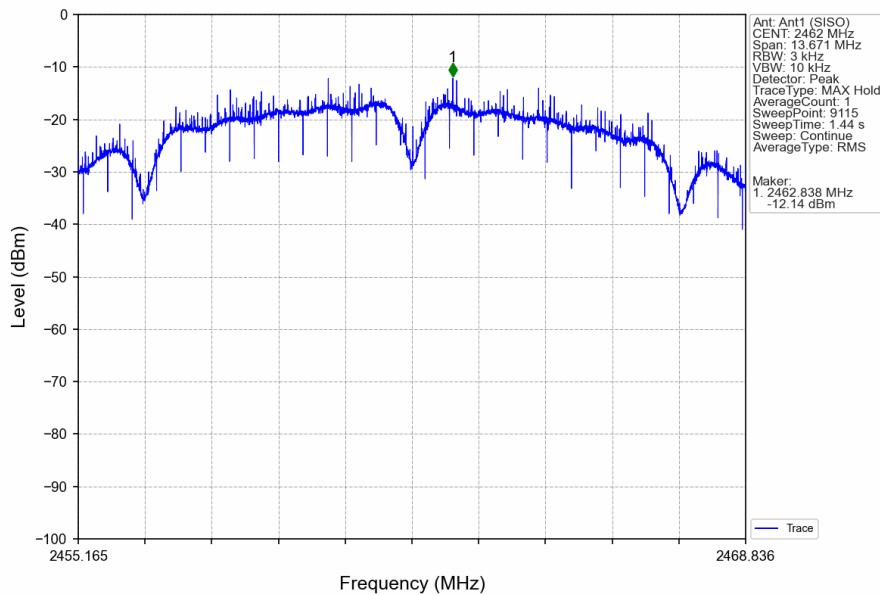
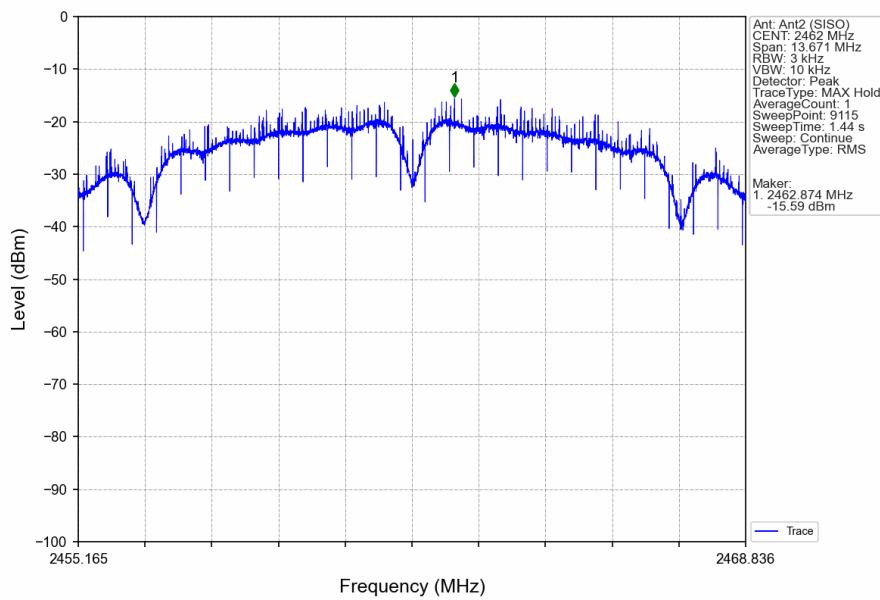
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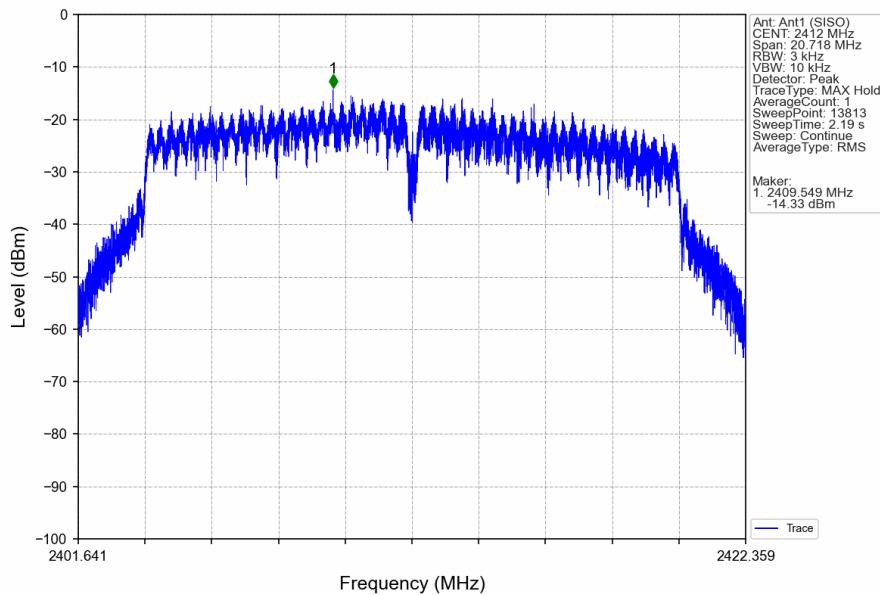
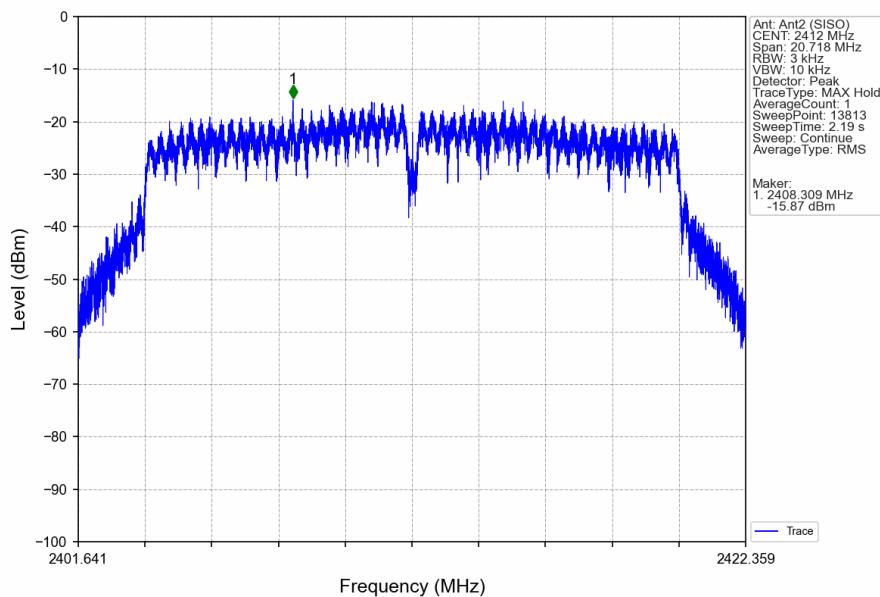
**802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV****802.11b\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV**

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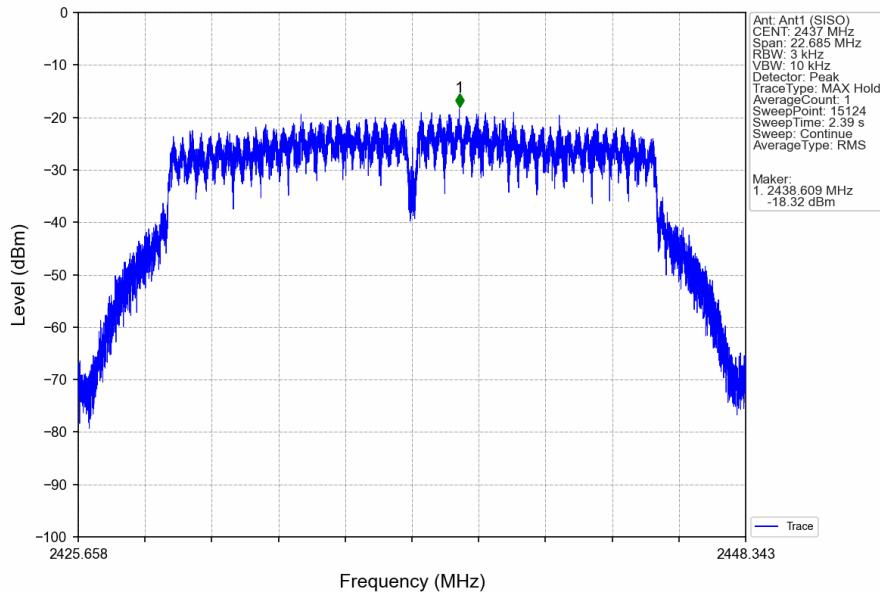
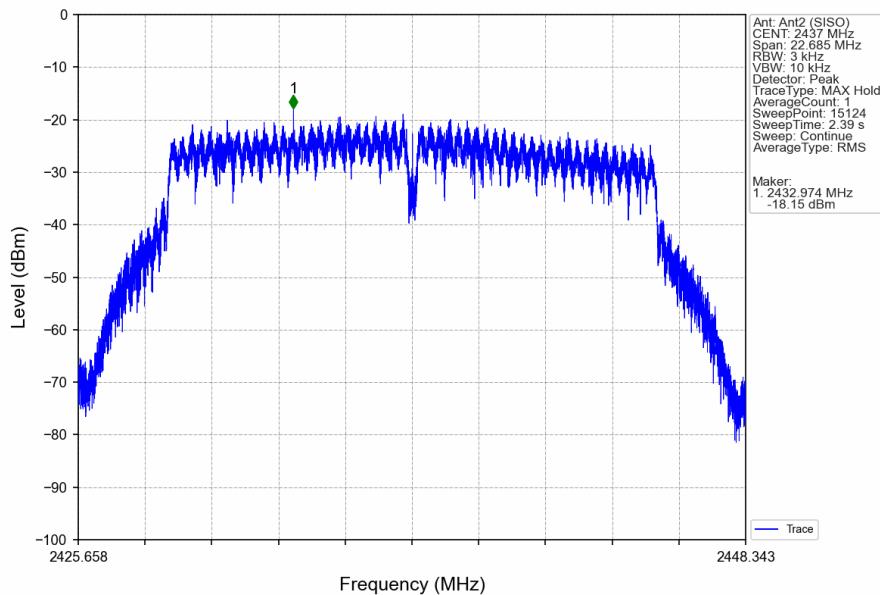


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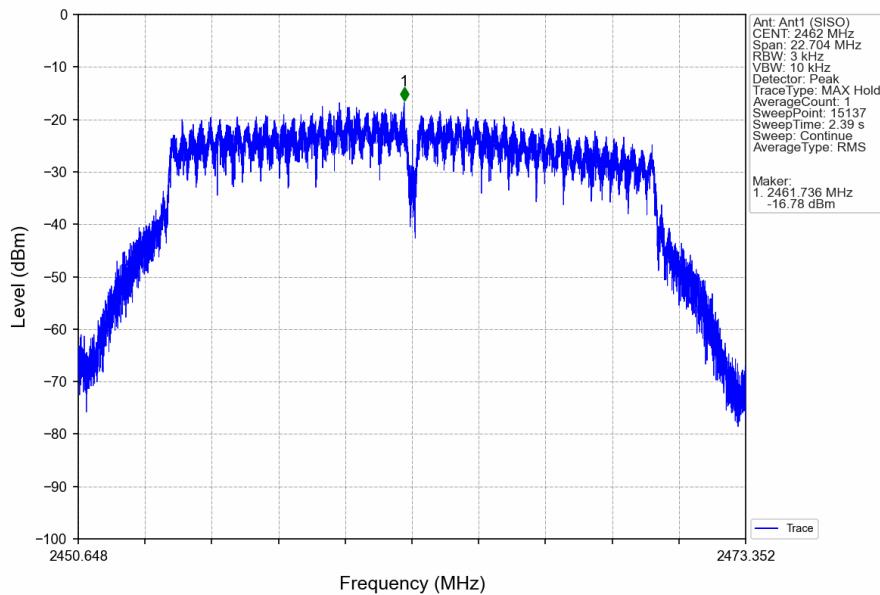
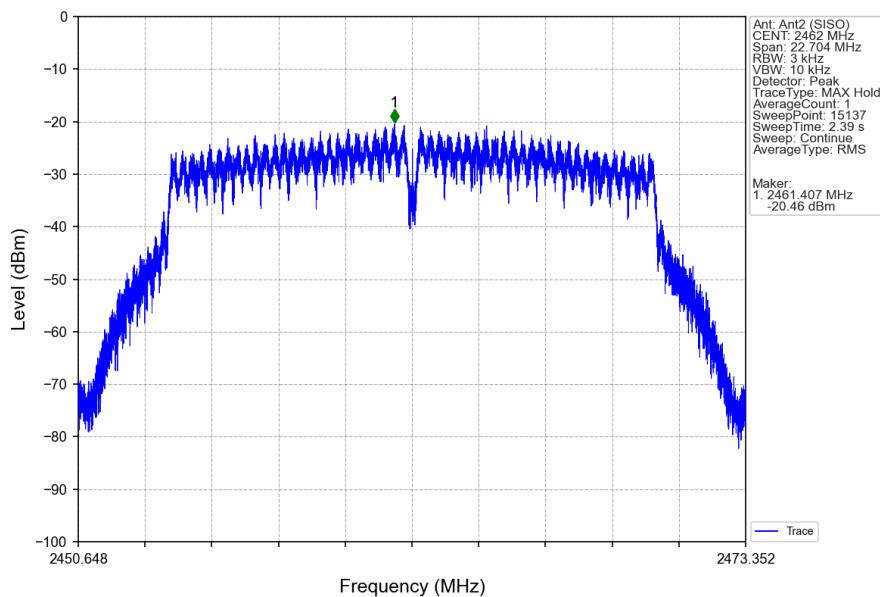
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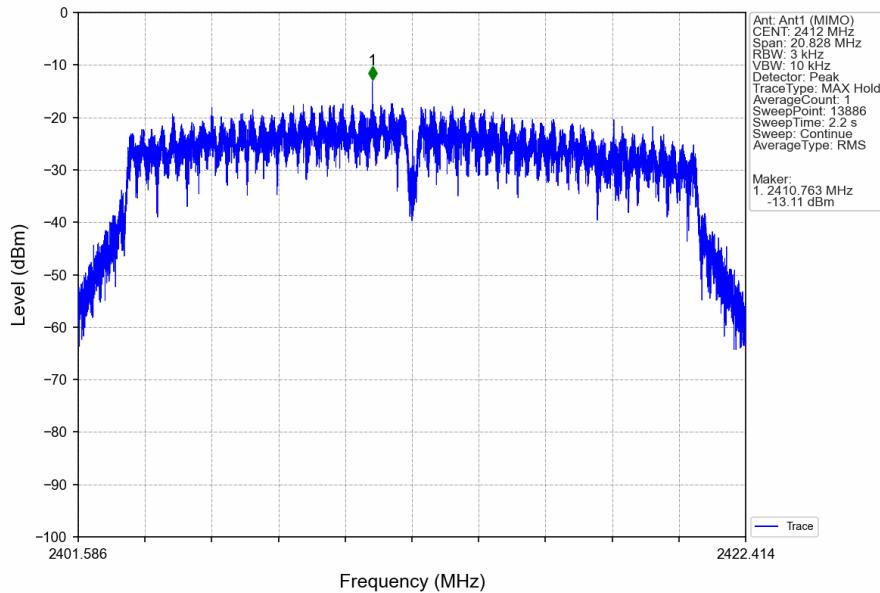
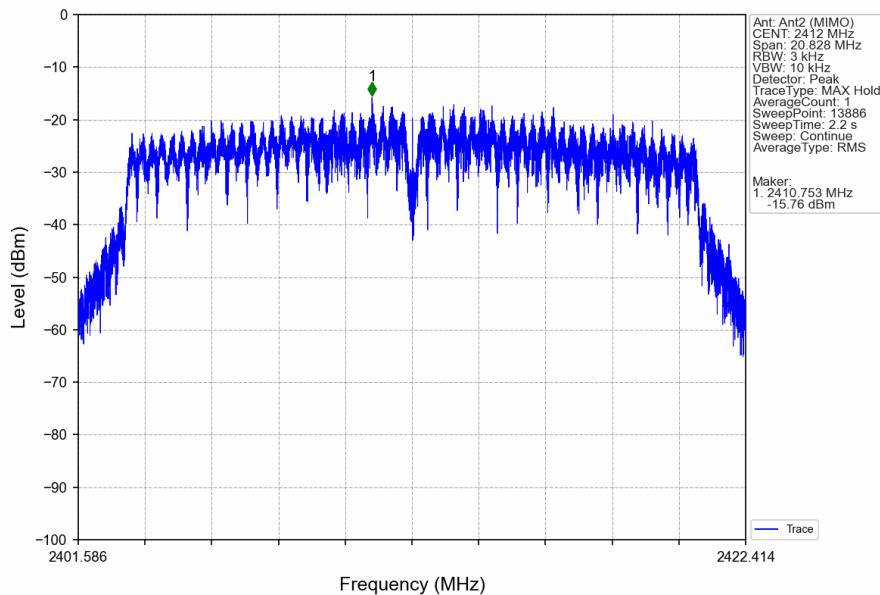
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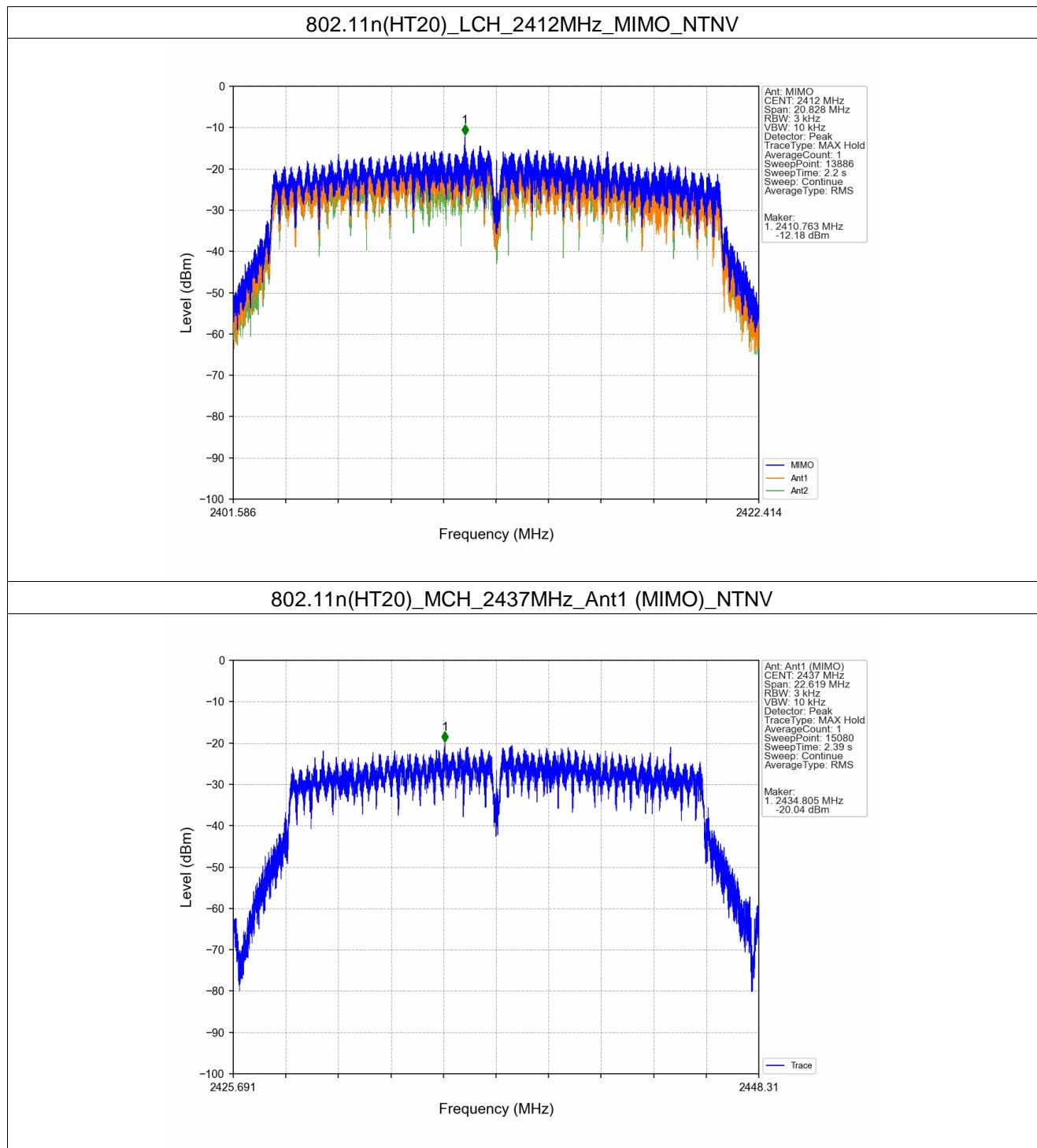
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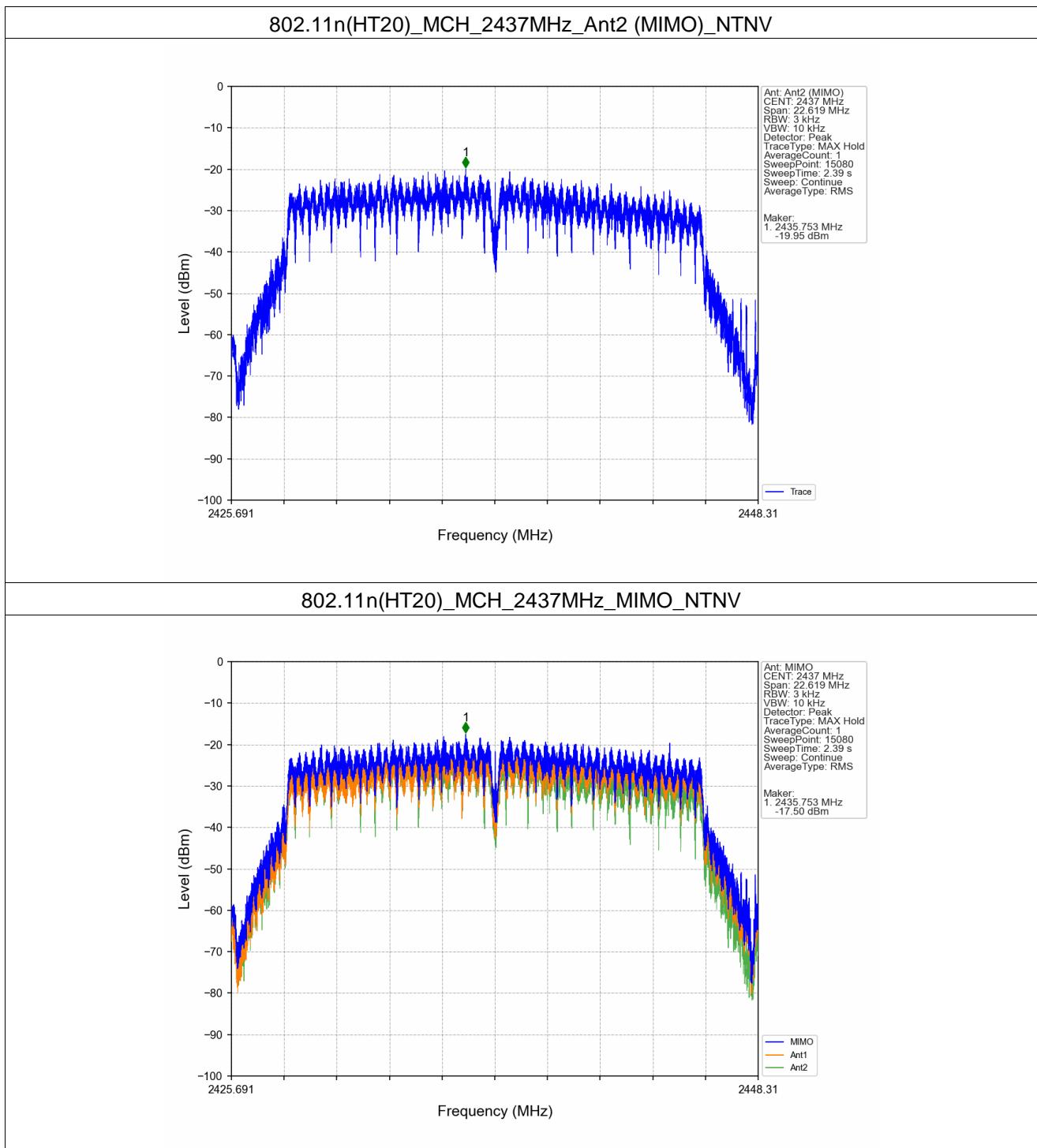
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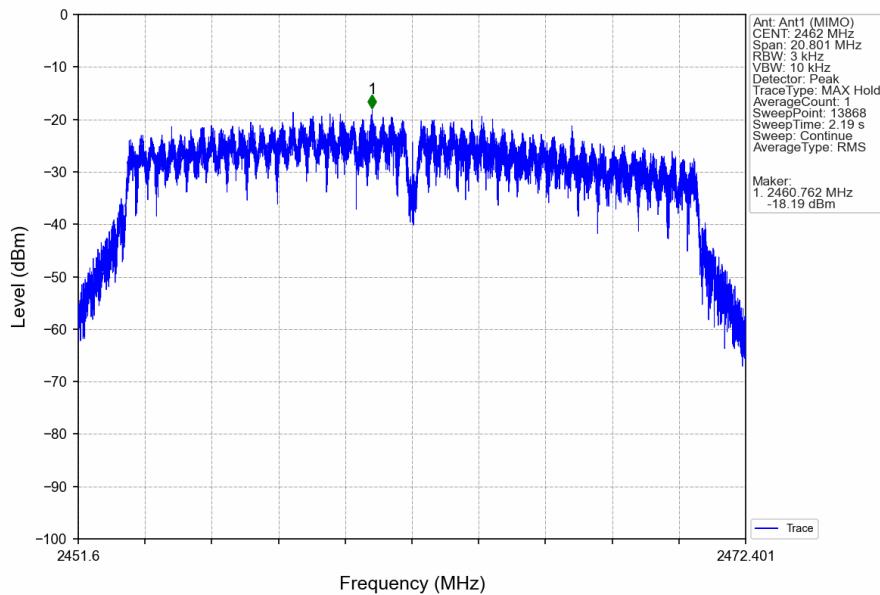
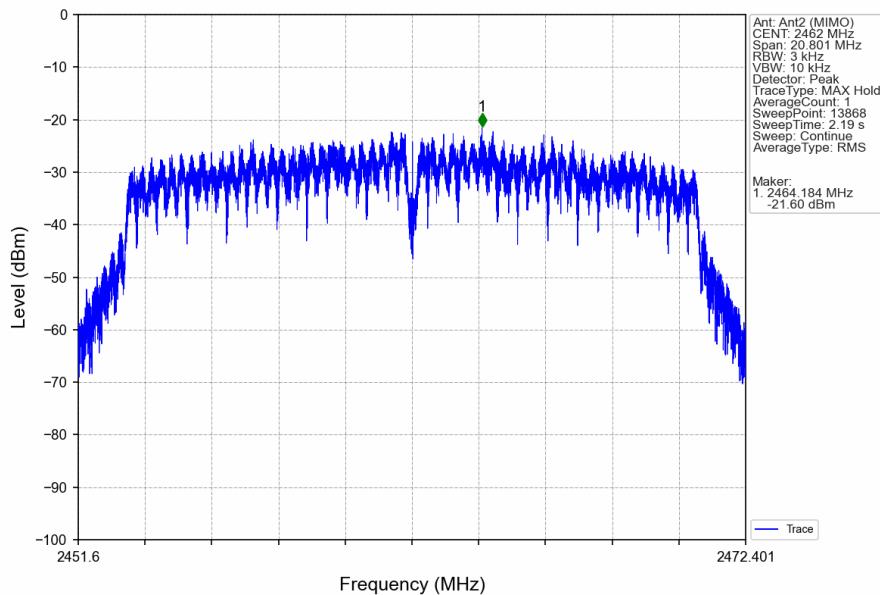


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**802.11n(HT20)\_HCH\_2462MHz\_Ant1 (MIMO)\_NTNV****802.11n(HT20)\_HCH\_2462MHz\_Ant2 (MIMO)\_NTNV**

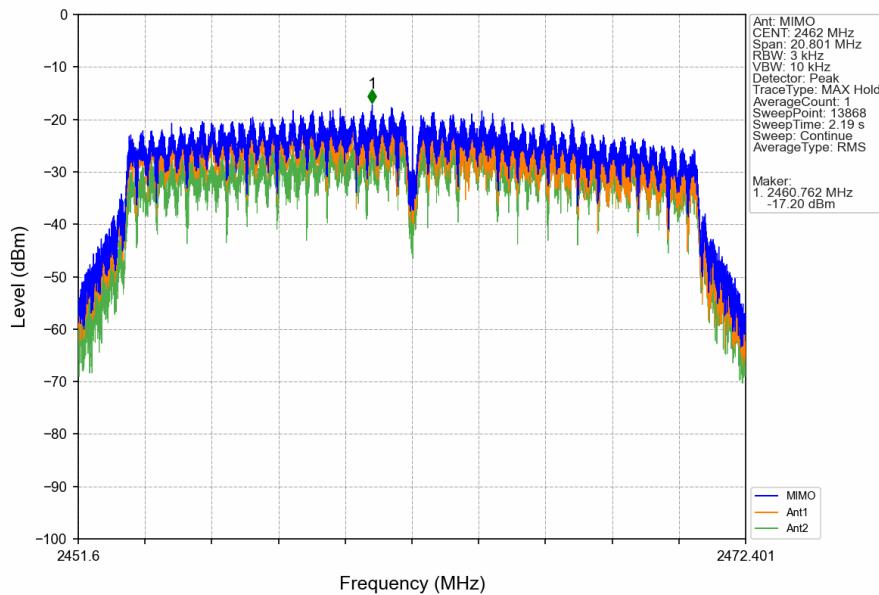
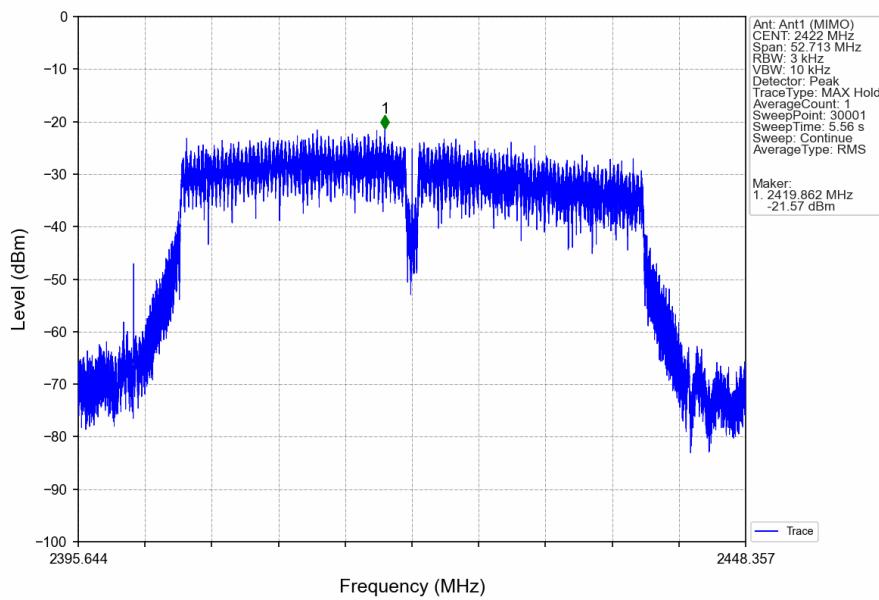
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**802.11n(HT20)\_HCH\_2462MHz\_MIMO\_NTNV****802.11n(HT40)\_LCH\_2422MHz\_Ant1 (MIMO)\_NTNV**

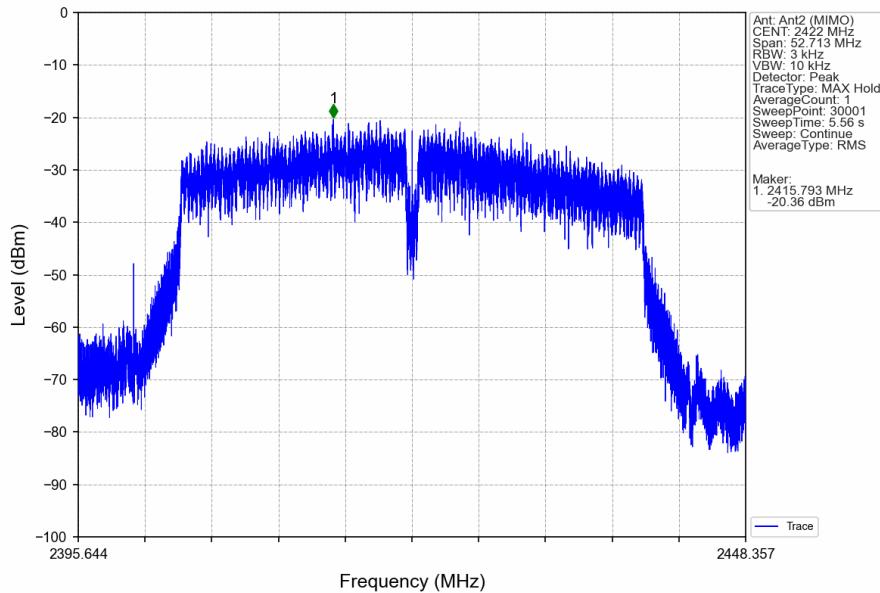
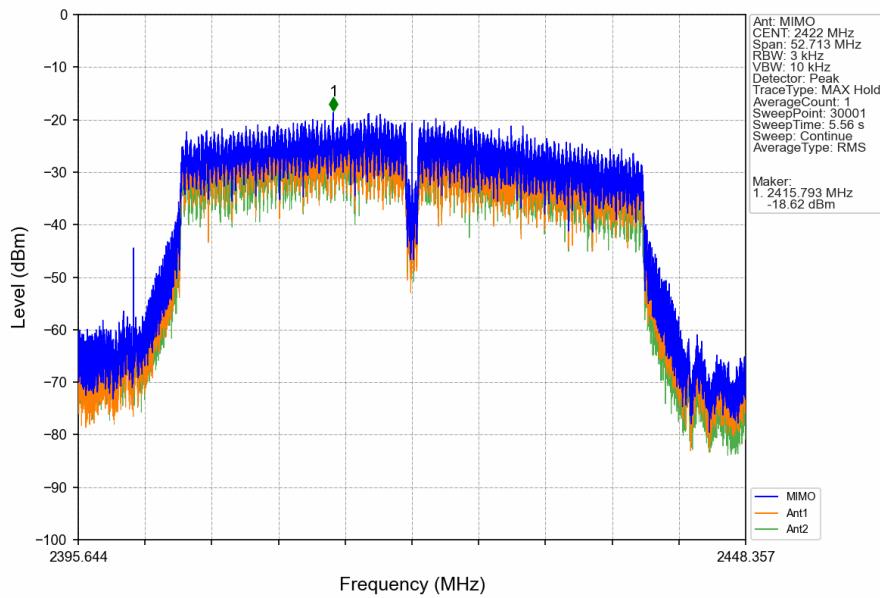
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**802.11n(HT40)\_LCH\_2422MHz\_Ant2 (MIMO)\_NTNV****802.11n(HT40)\_LCH\_2422MHz\_MIMO\_NTNV**

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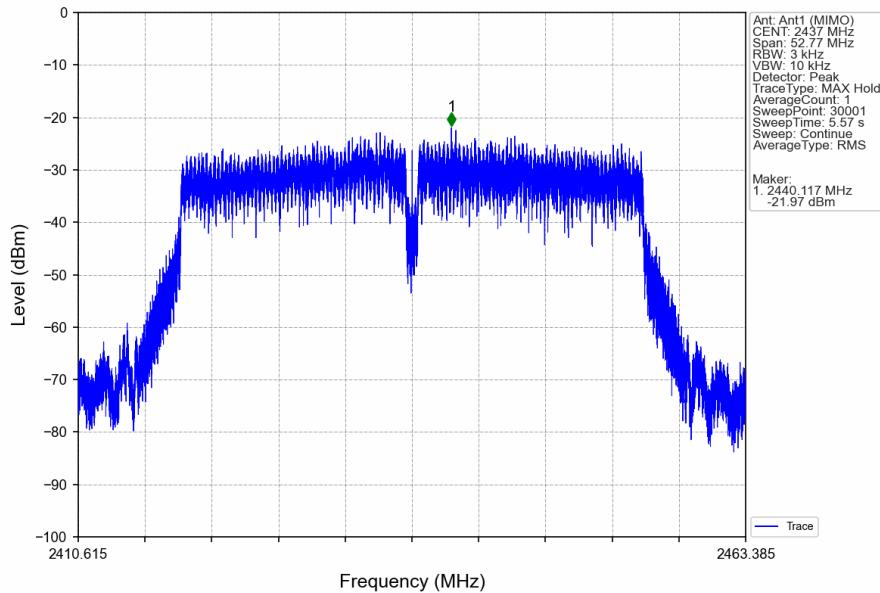
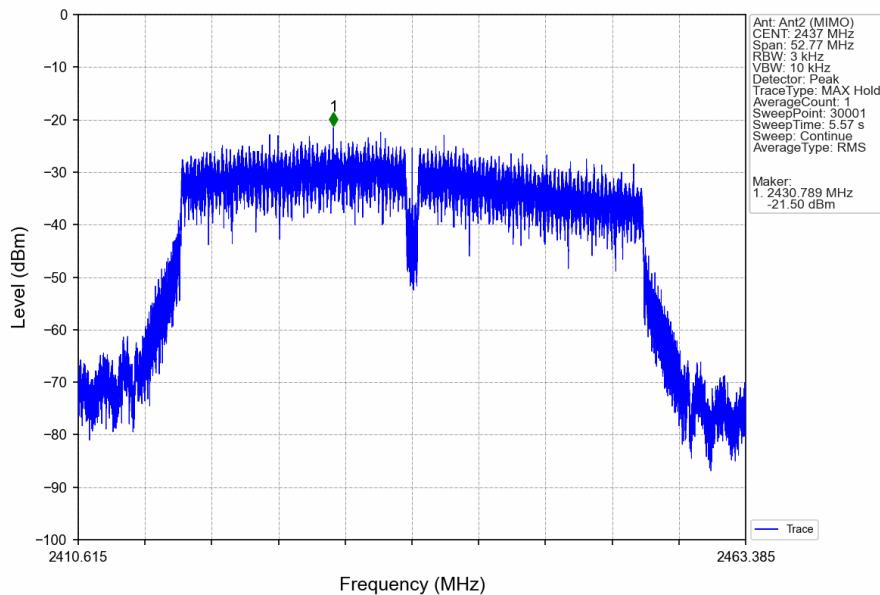
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**802.11n(HT40)\_MCH\_2437MHz\_Ant1 (MIMO)\_NTNV****802.11n(HT40)\_MCH\_2437MHz\_Ant2 (MIMO)\_NTNV**

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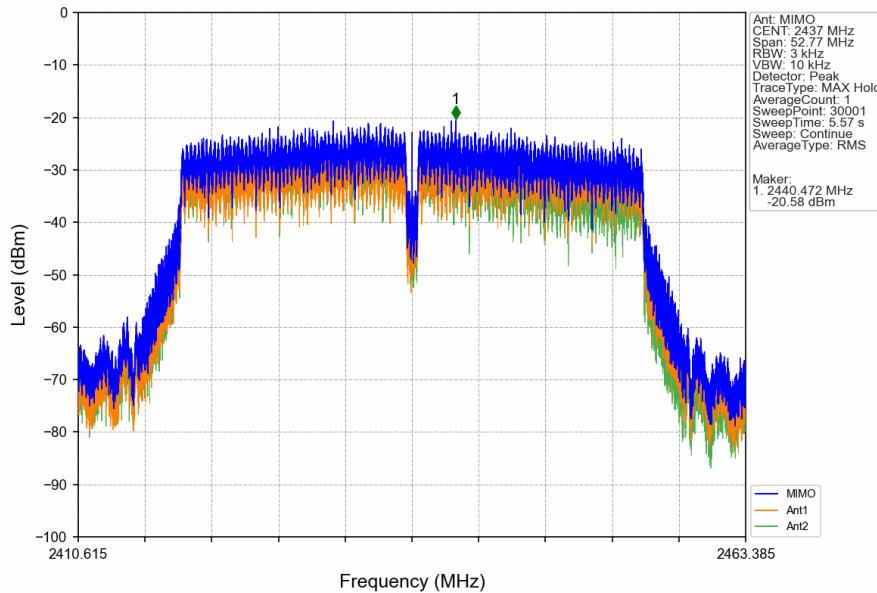
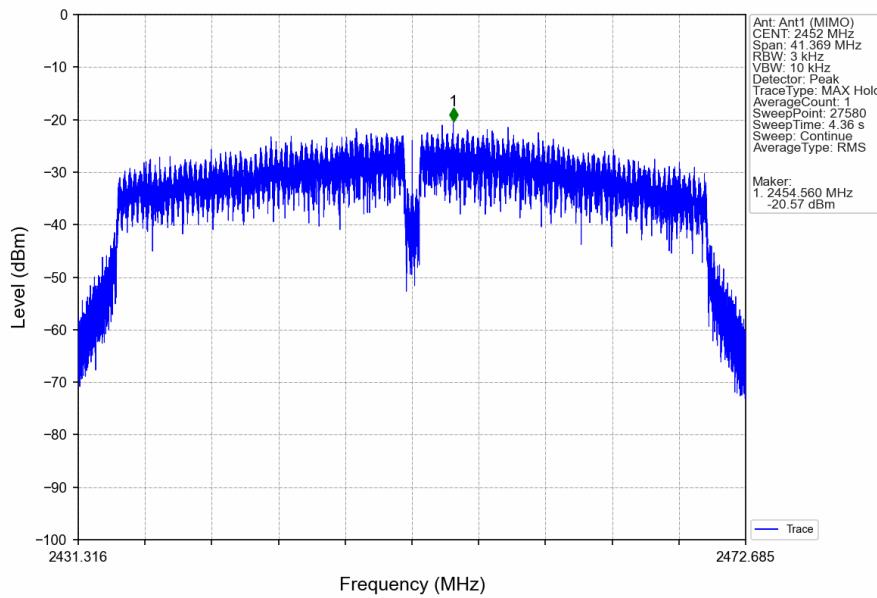
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t (86-20) 82155555

[sgs.china@sgs.com](mailto:sgs.china@sgs.com)

**802.11n(HT40)\_MCH\_2437MHz\_MIMO\_NTNV****802.11n(HT40)\_HCH\_2452MHz\_Ant1 (MIMO)\_NTNV**

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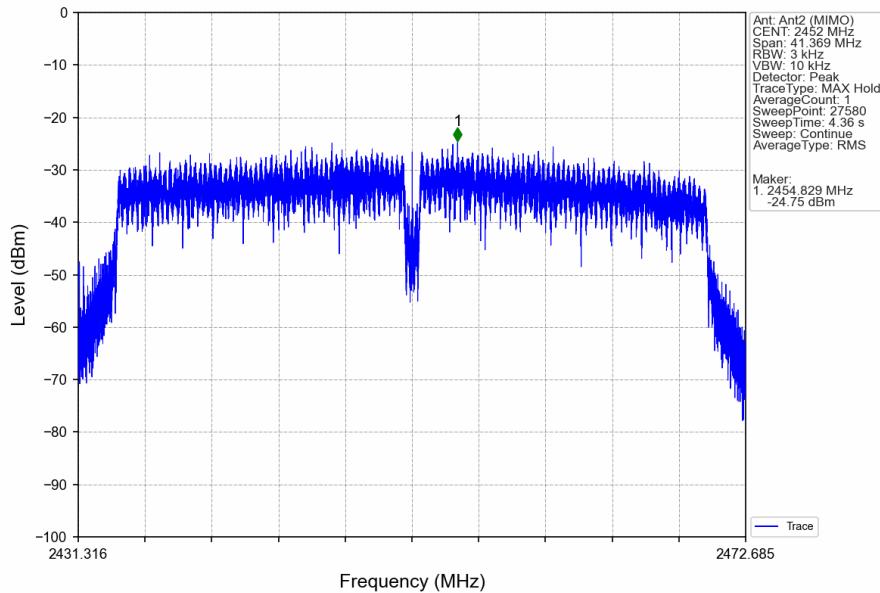
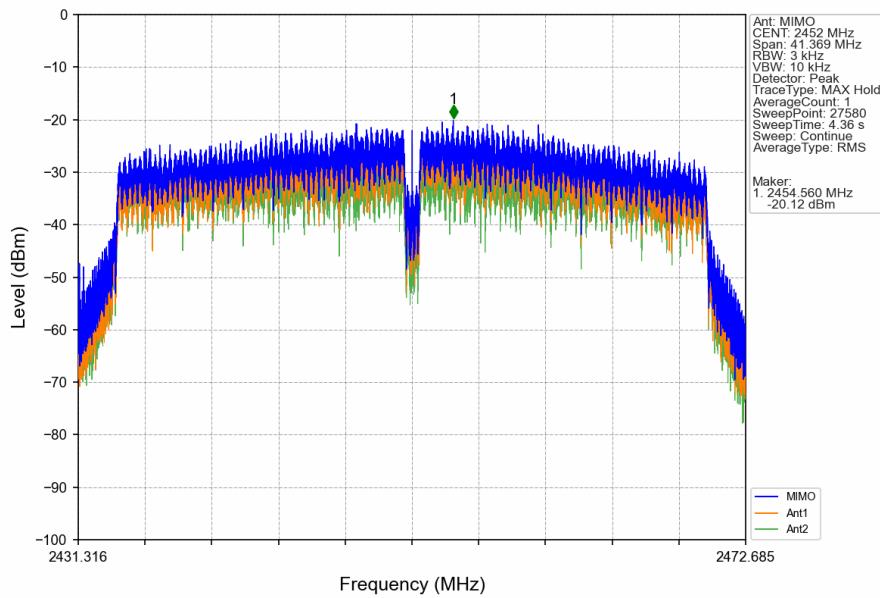
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**802.11n(HT40)\_HCH\_2452MHz\_Ant2 (MIMO)\_NTNV****802.11n(HT40)\_HCH\_2452MHz\_MIMO\_NTNV**

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## 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	1	5.74
			2	5.08
		2437	1	1.98
			2	1.31
		2462	1	3.54
			2	0.59
	SISO	2412	1	0.71
			2	0.50
		2437	1	-1.40
			2	-2.71
		2462	1	-0.71
			2	-3.96
802.11n (HT40)	MIMO	2422	1	-6.05
			2	-4.39
		2437	1	-6.70
			2	-6.97
		2452	1	-4.60
			2	-9.31

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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### 5.1.2 CSE and Band Edges

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	5.74	-14.26	Pass
			2	5.08	-14.92	Pass
		2437	1	5.74	-14.26	Pass
			2	5.08	-14.92	Pass
		2462	1	5.74	-14.26	Pass
			2	5.08	-14.92	Pass
		2412	1	0.71	-19.29	Pass
			2	0.50	-19.50	Pass
802.11g	SISO	2437	1	0.71	-19.29	Pass
			2	0.50	-19.50	Pass
		2462	1	0.71	-19.29	Pass
			2	0.50	-19.50	Pass
		2422	1	-4.60	-24.60	Pass
802.11n (HT40)	MIMO		2	-4.39	-24.39	Pass
	2437	1	-4.60	-24.60	Pass	
		2	-4.39	-24.39	Pass	
	2452	1	-4.60	-24.60	Pass	
		2	-4.39	-24.39	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.

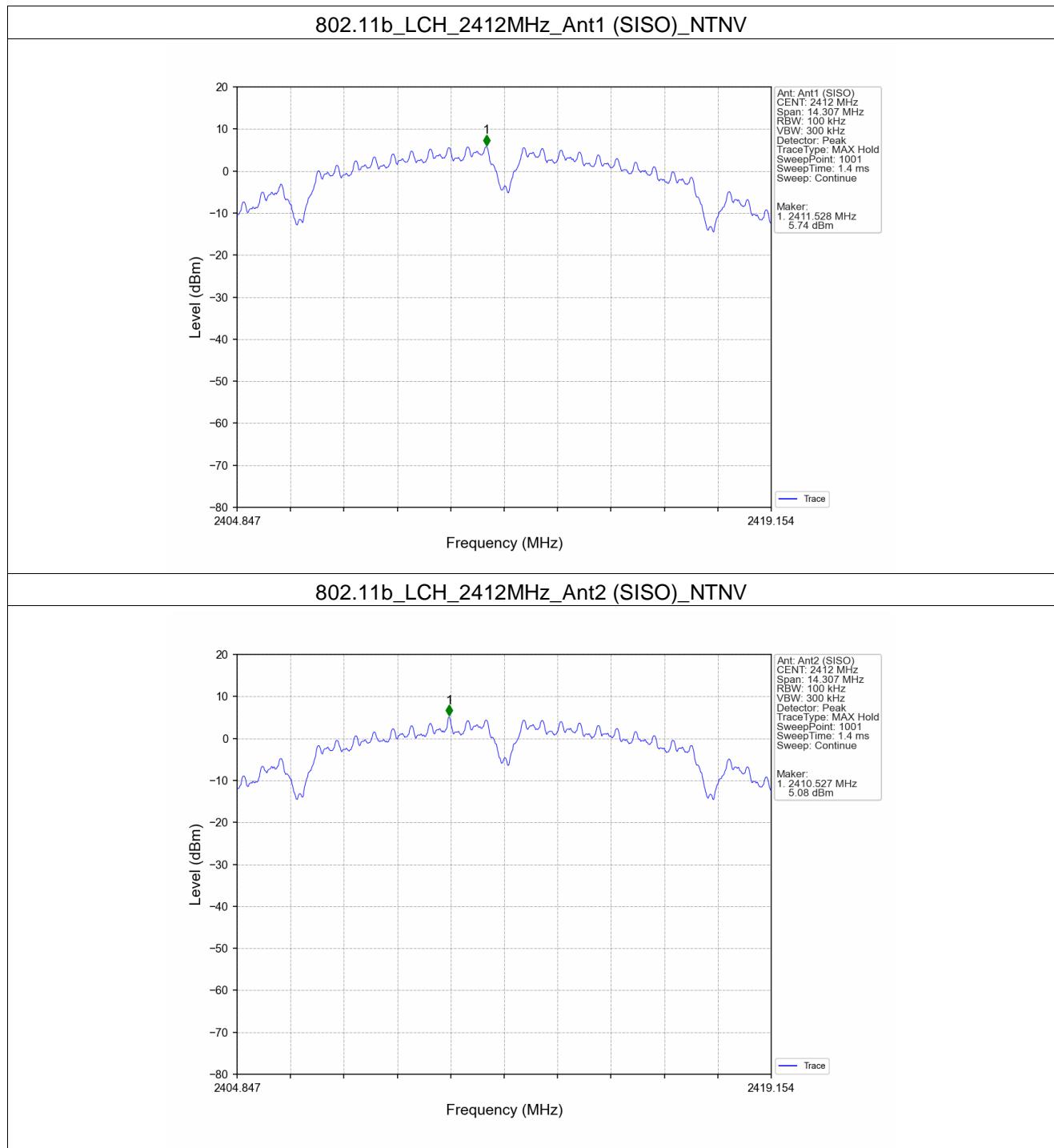


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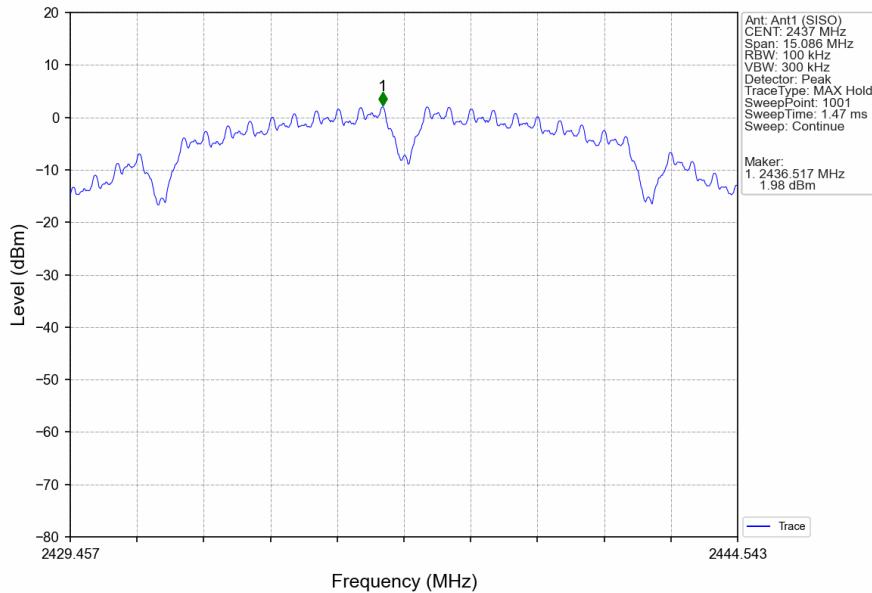
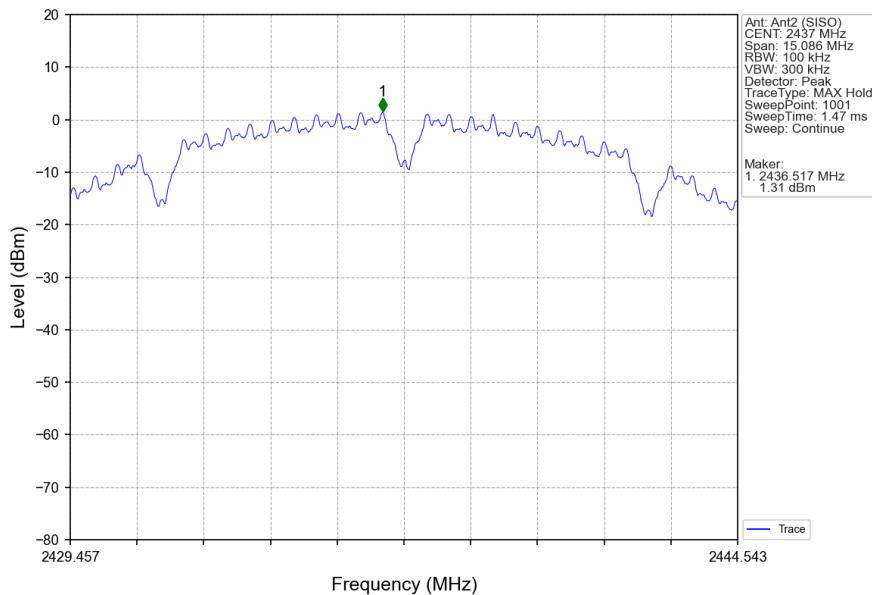
## 5.2 Test Graph

### 5.2.1 Ref



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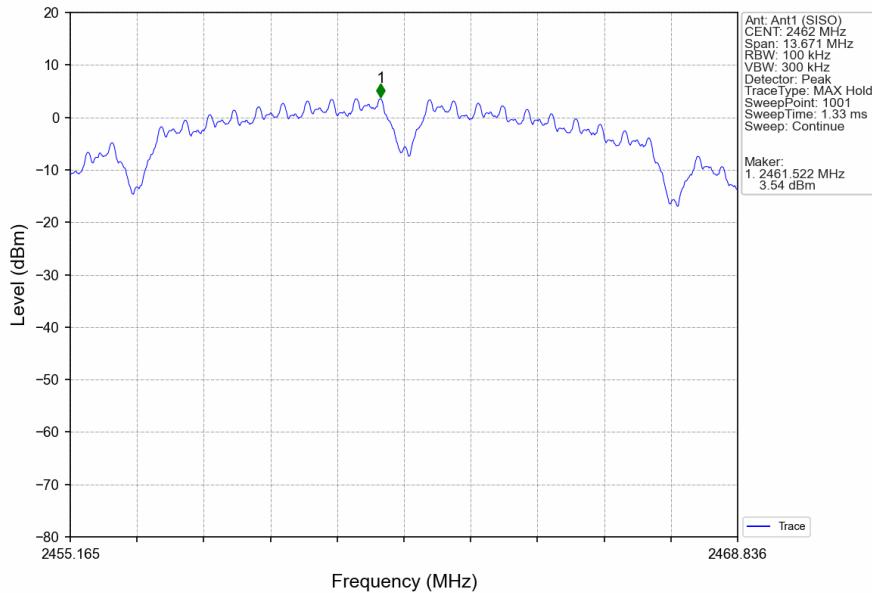
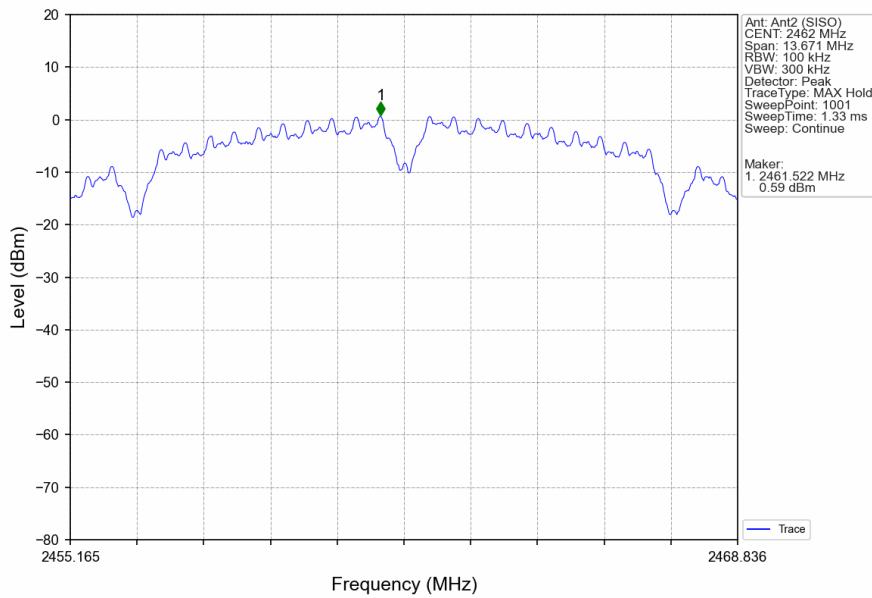
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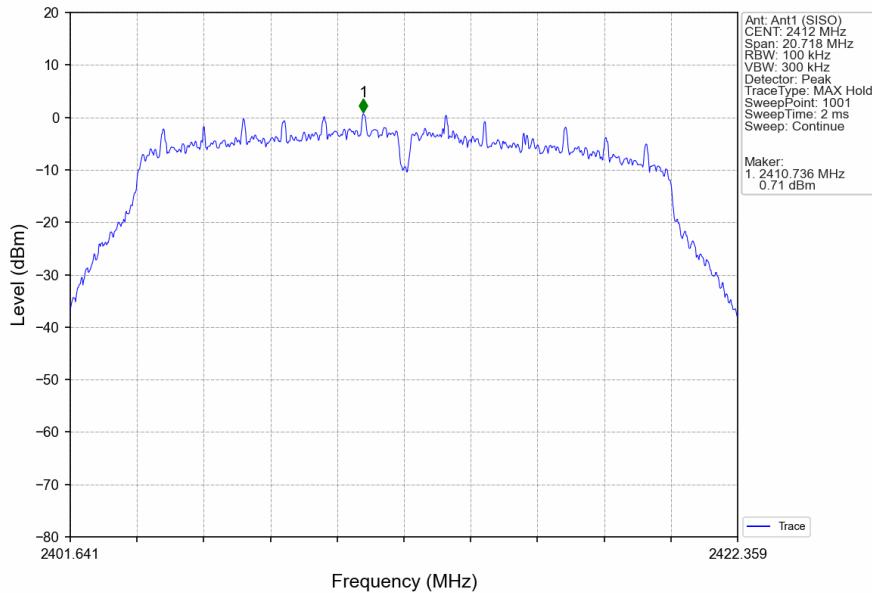
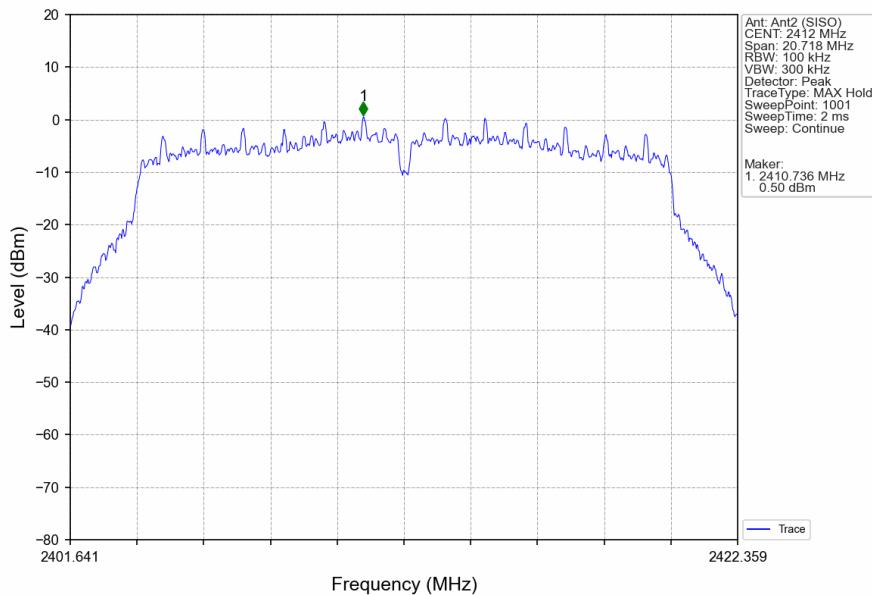


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**802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV****802.11g\_LCH\_2412MHz\_Ant2 (SISO)\_NTNV**

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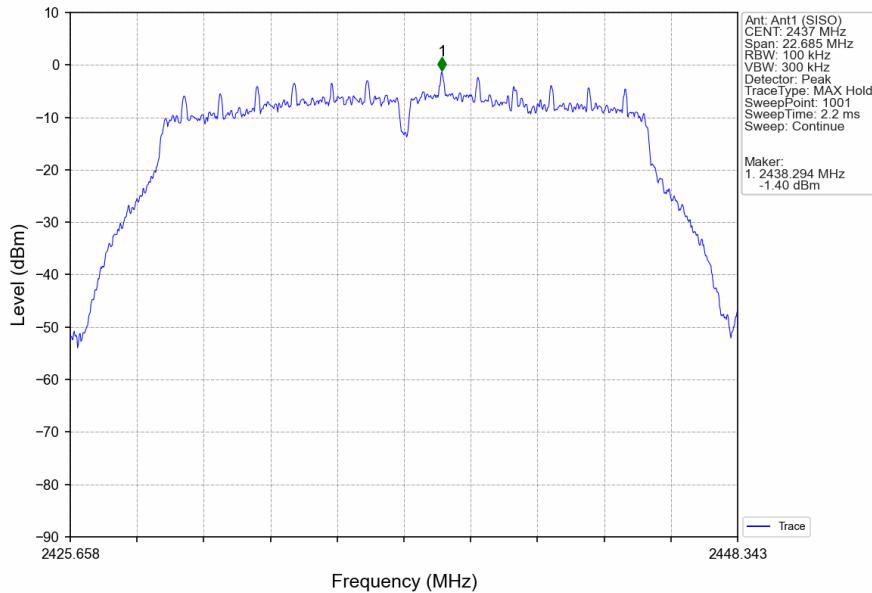
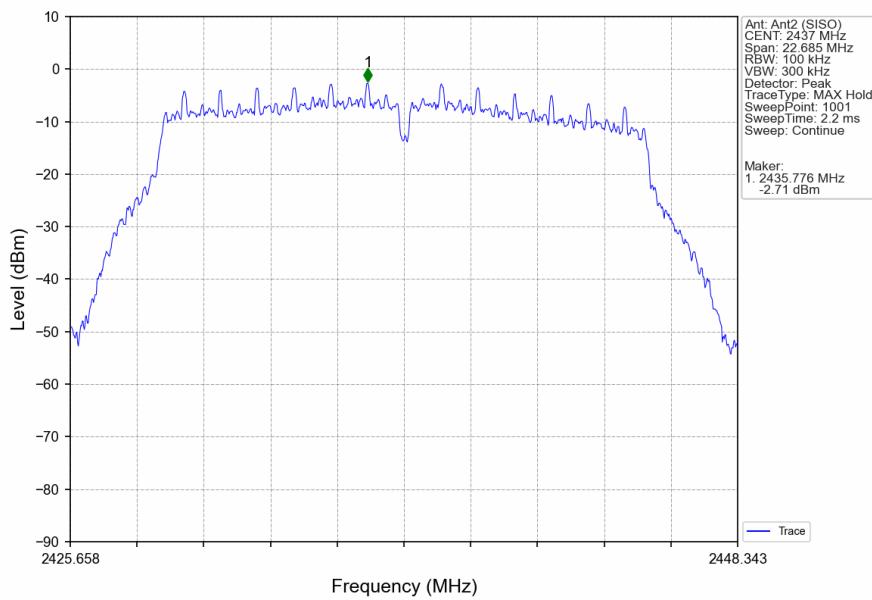


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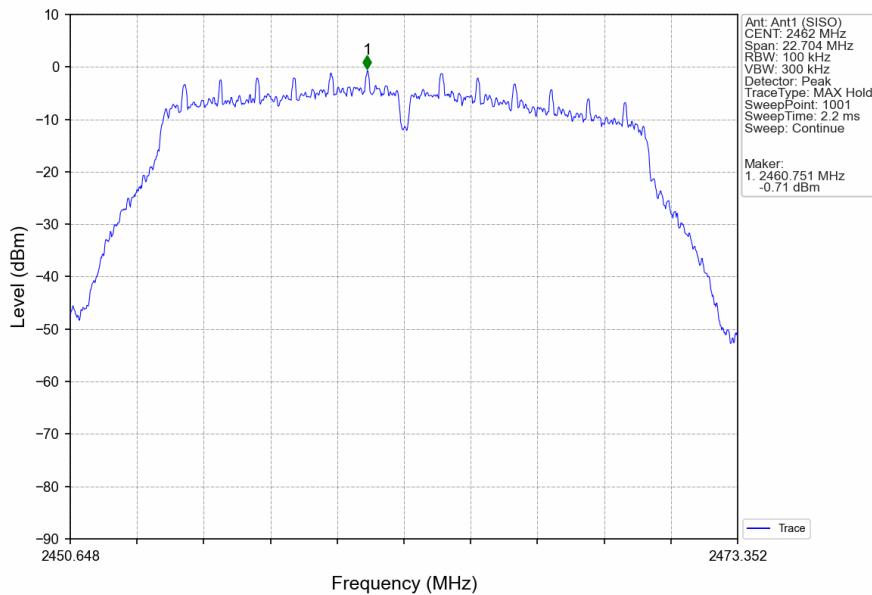
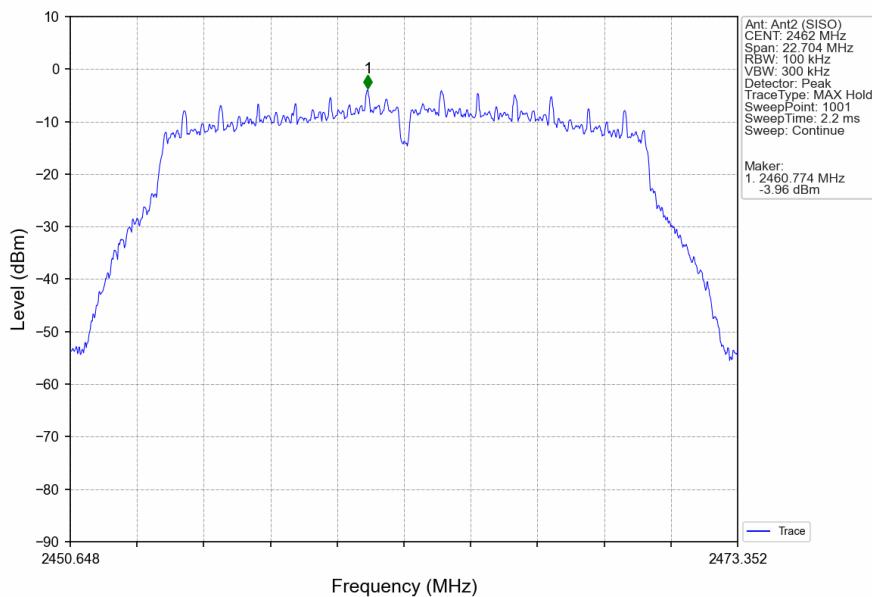
**802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV****802.11g\_MCH\_2437MHz\_Ant2 (SISO)\_NTNV**

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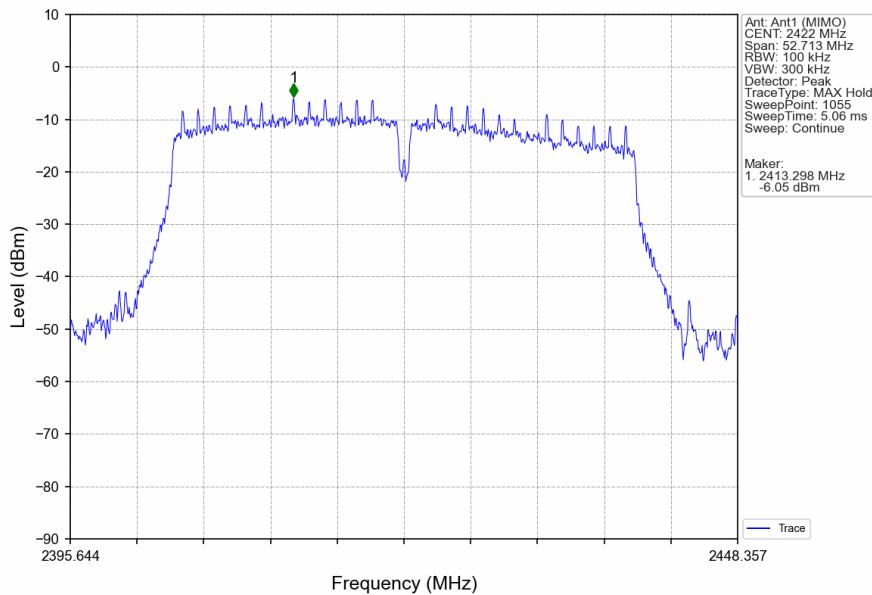
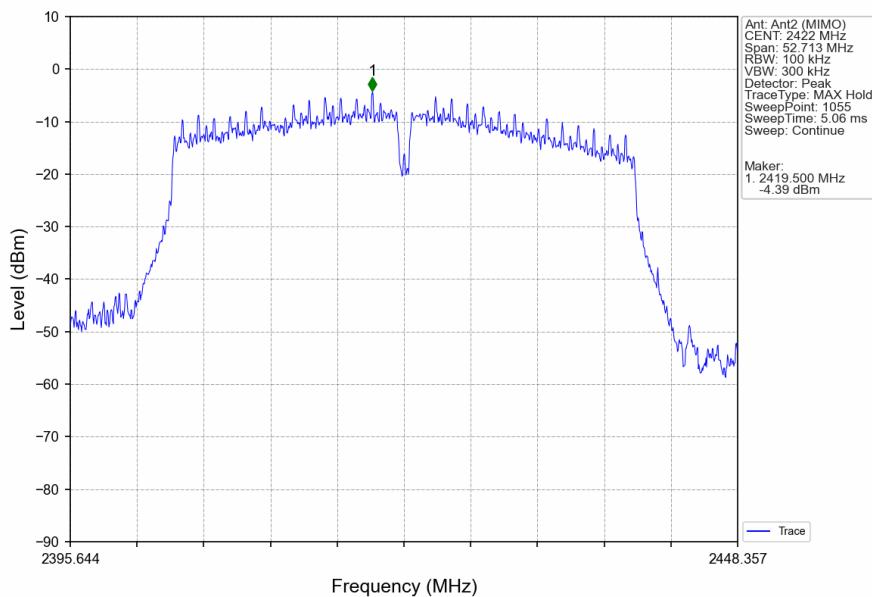
**802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV****802.11g\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV**

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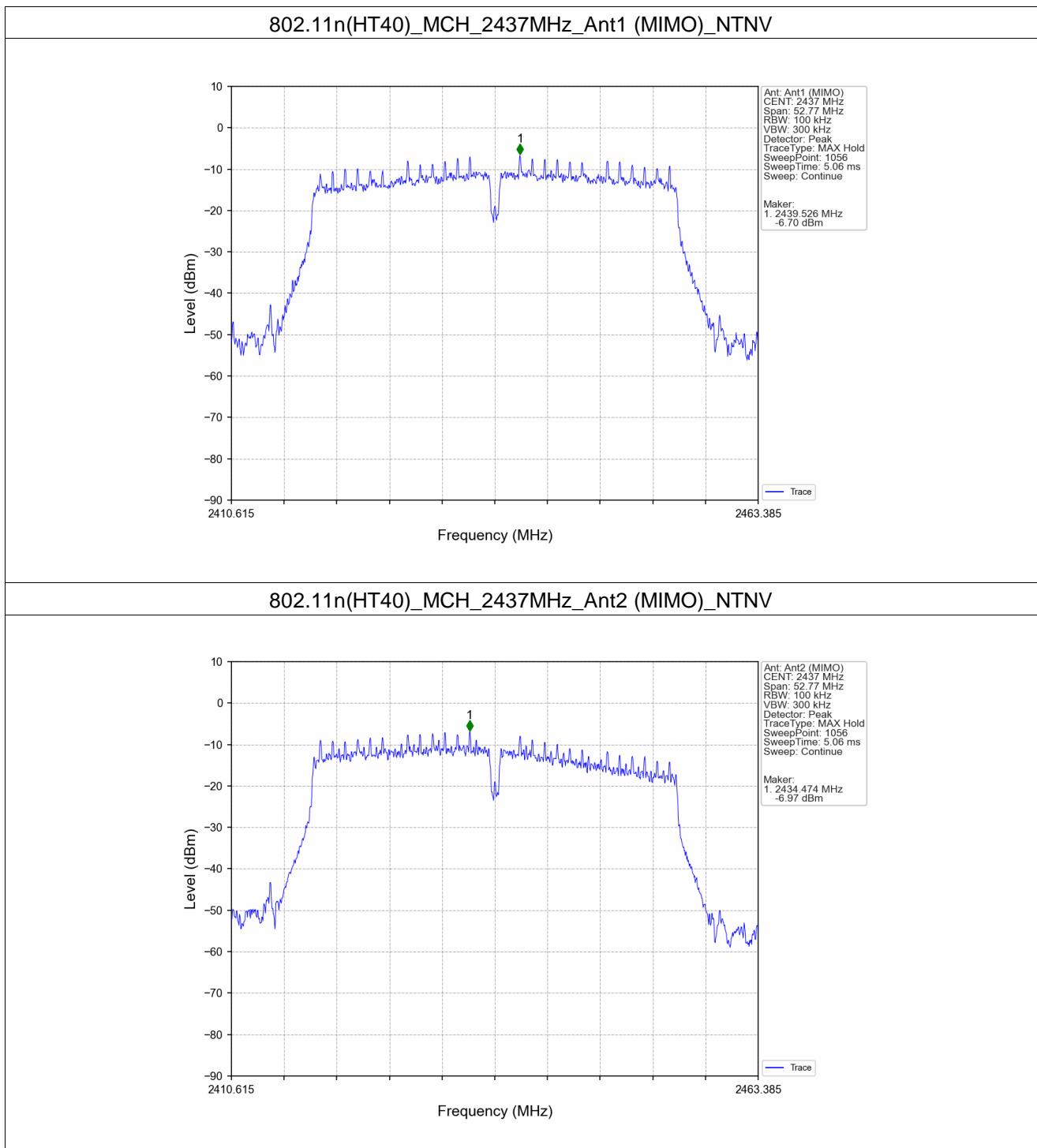
**802.11n(HT40)\_LCH\_2422MHz\_Ant1 (MIMO)\_NTNV****802.11n(HT40)\_LCH\_2422MHz\_Ant2 (MIMO)\_NTNV**

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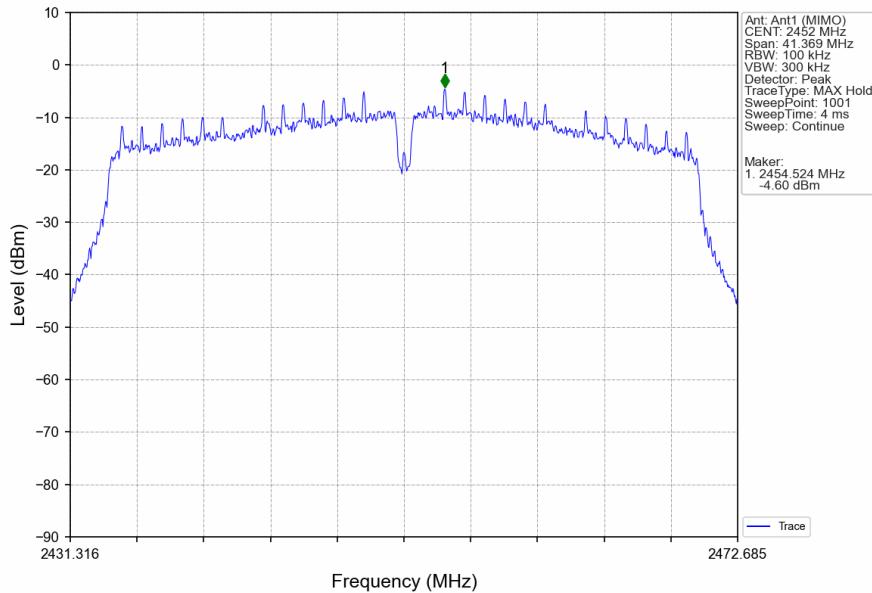
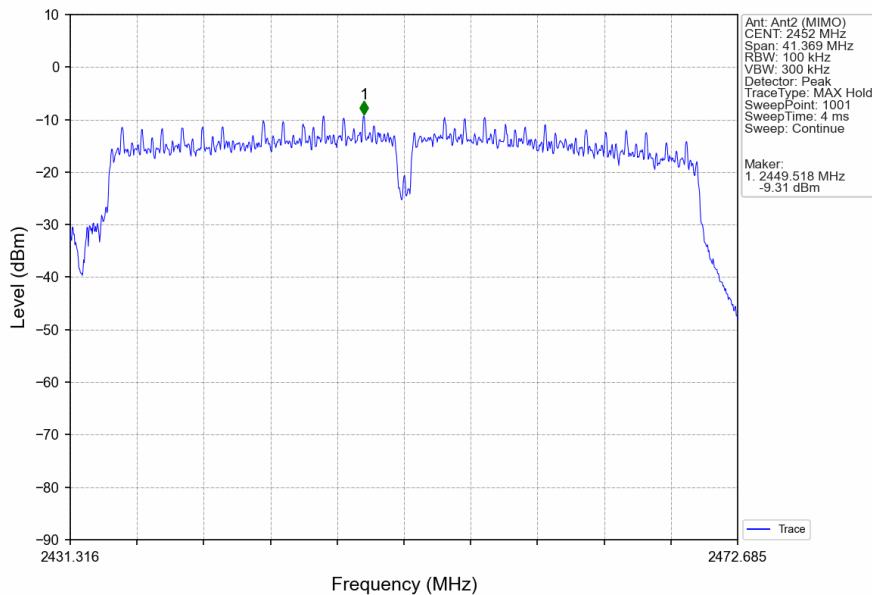


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**802.11n(HT40)\_HCH\_2452MHz\_Ant1 (MIMO)\_NTNV****802.11n(HT40)\_HCH\_2452MHz\_Ant2 (MIMO)\_NTNV**

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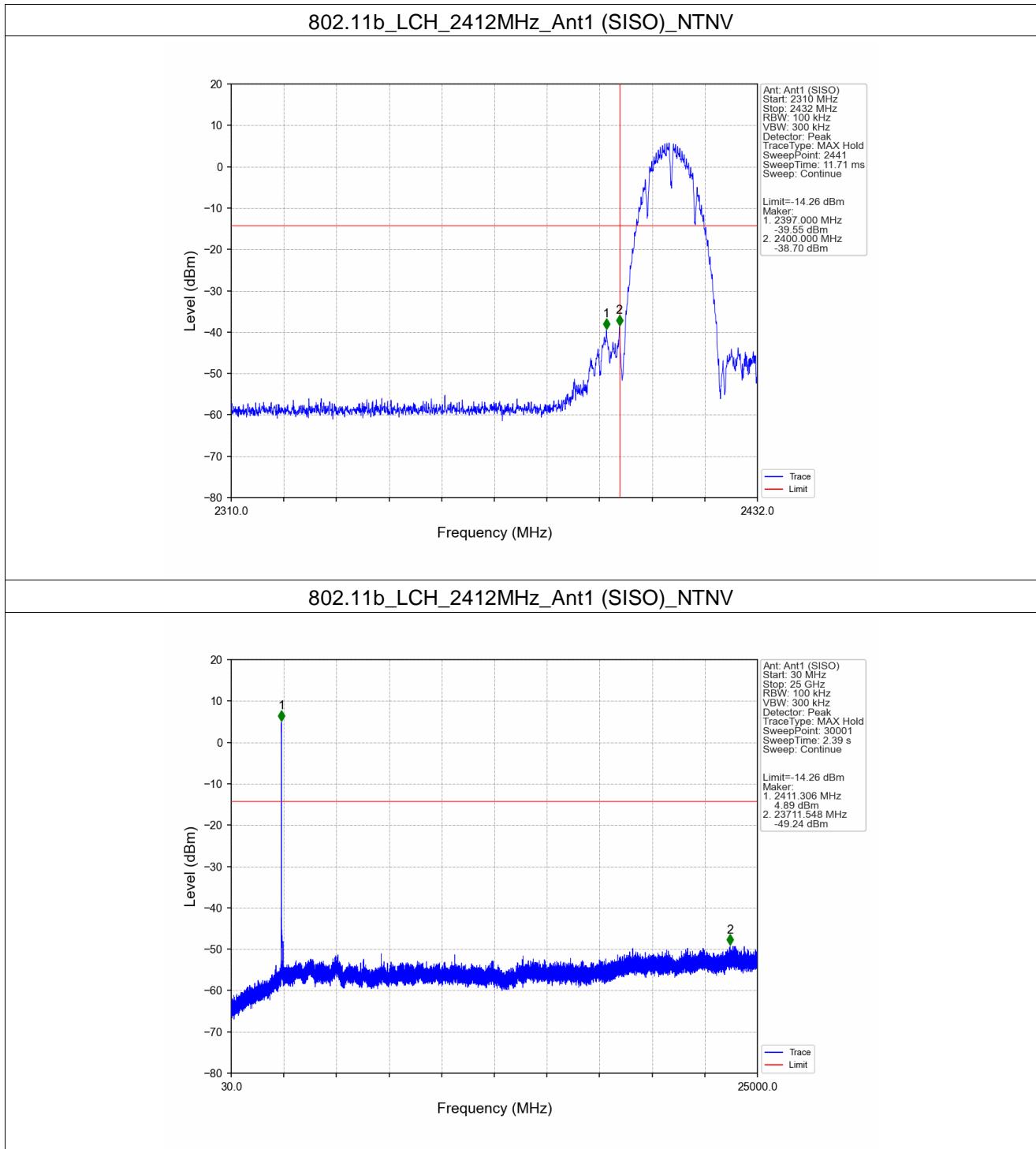
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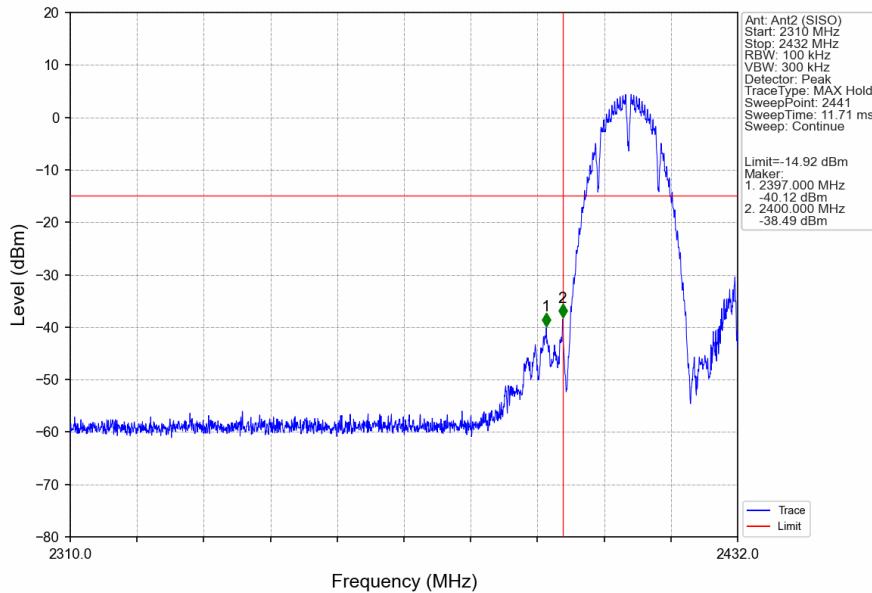
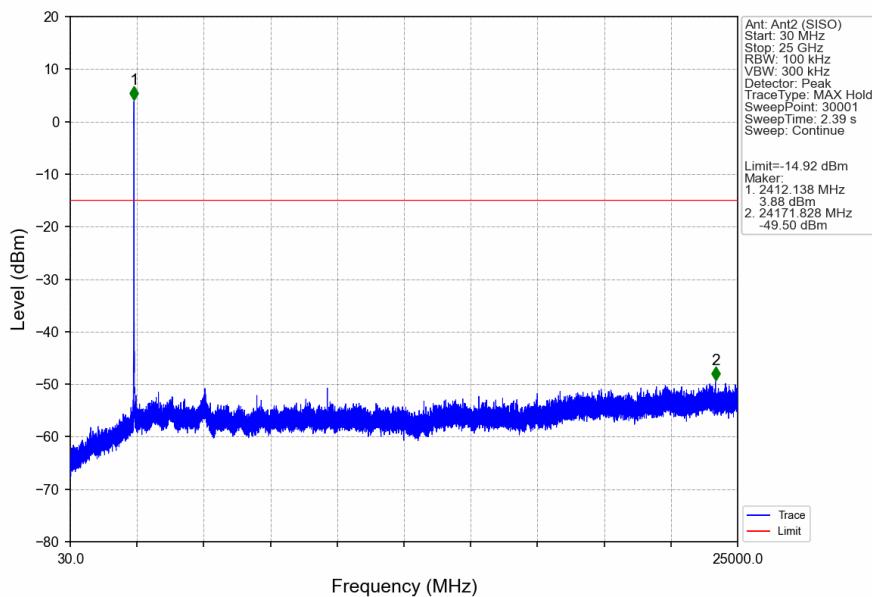
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### 5.2.2 CSE and Band Edges



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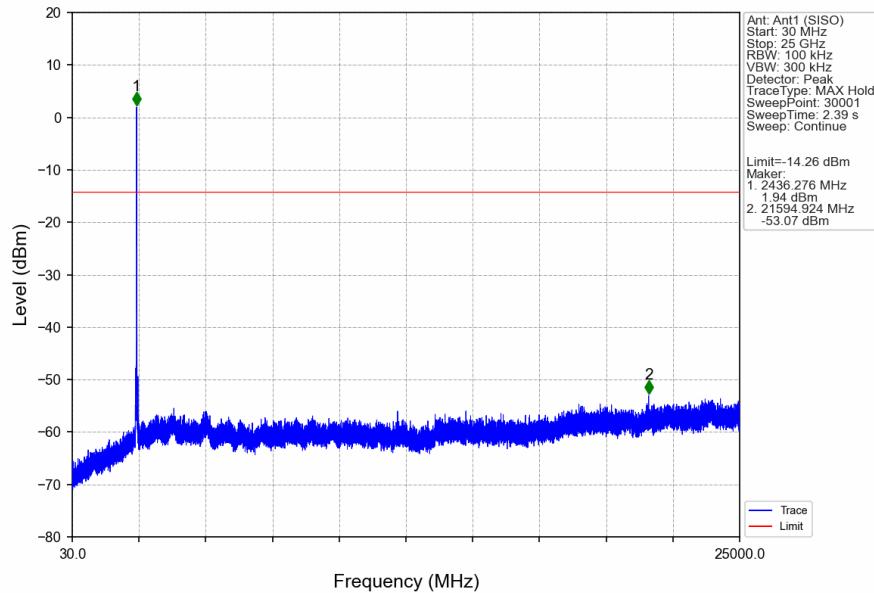
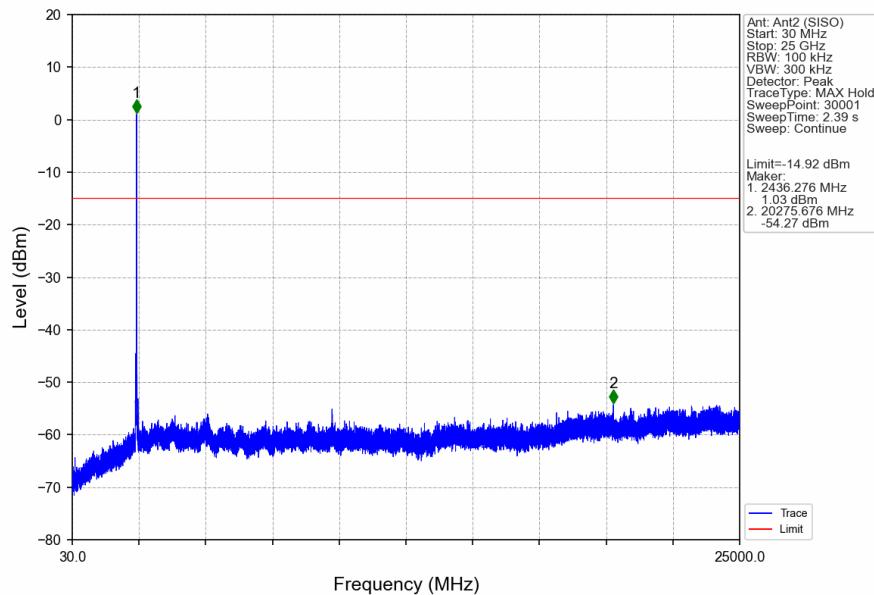
**802.11b\_LCH\_2412MHz\_Ant2 (SISO)\_NTNV****802.11b\_LCH\_2412MHz\_Ant2 (SISO)\_NTNV**

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**802.11b\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV****802.11b\_MCH\_2437MHz\_Ant2 (SISO)\_NTNV**

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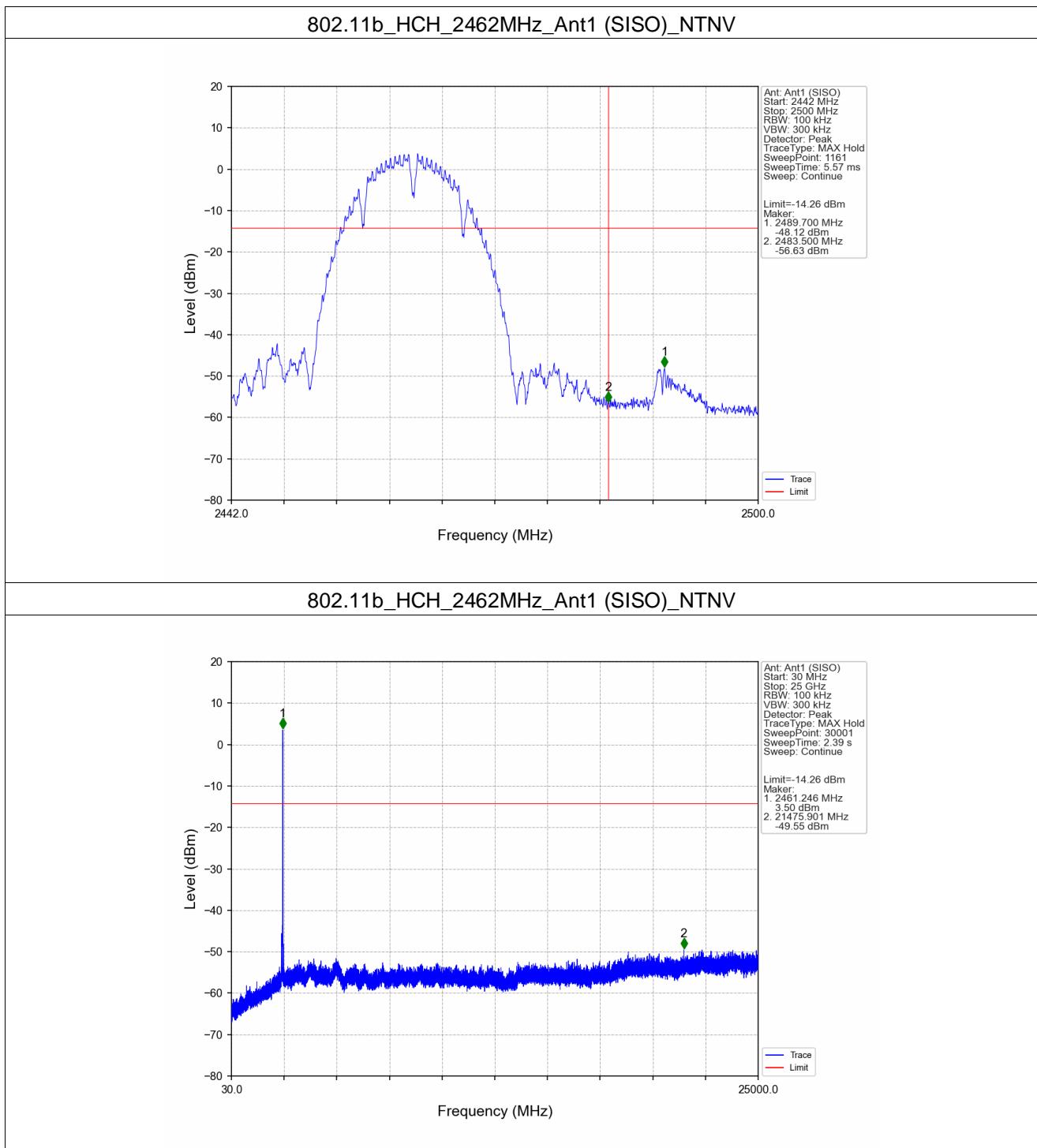
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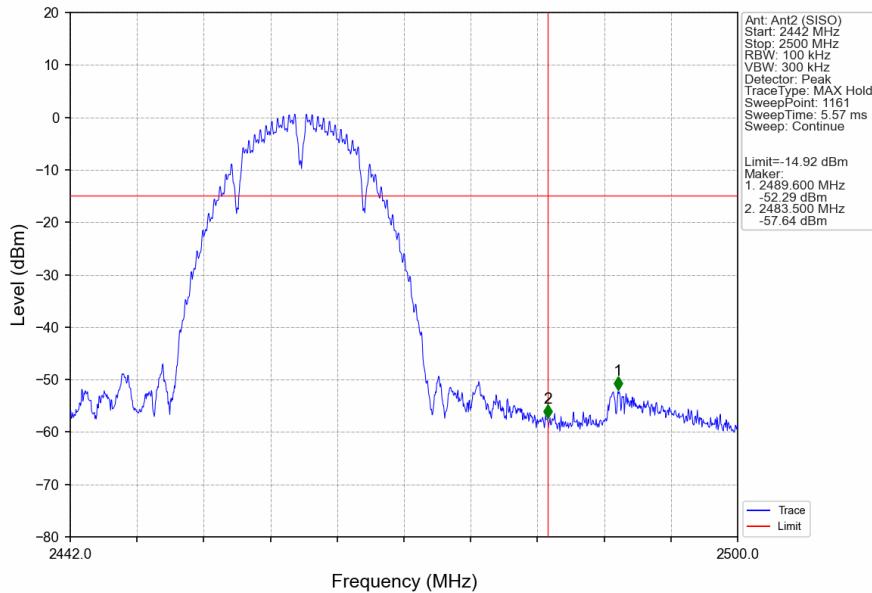
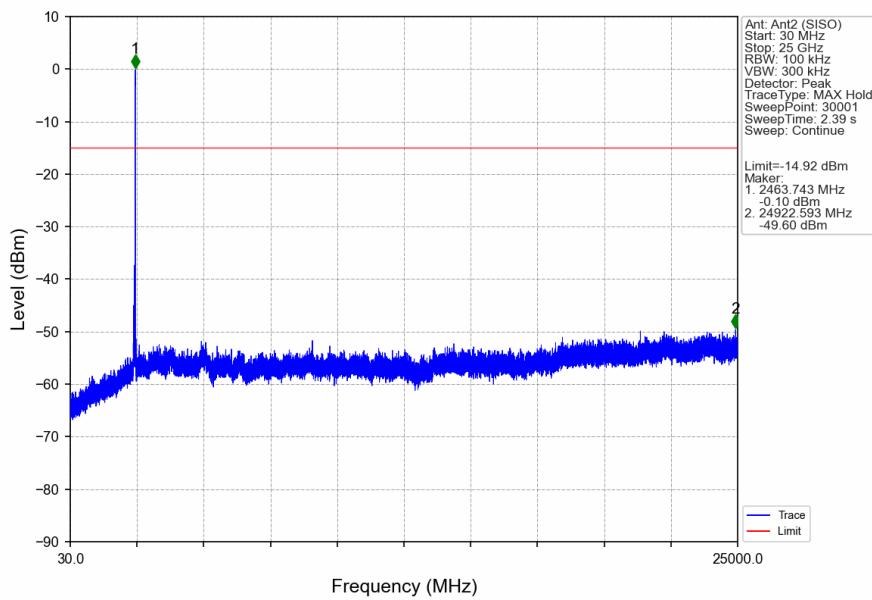


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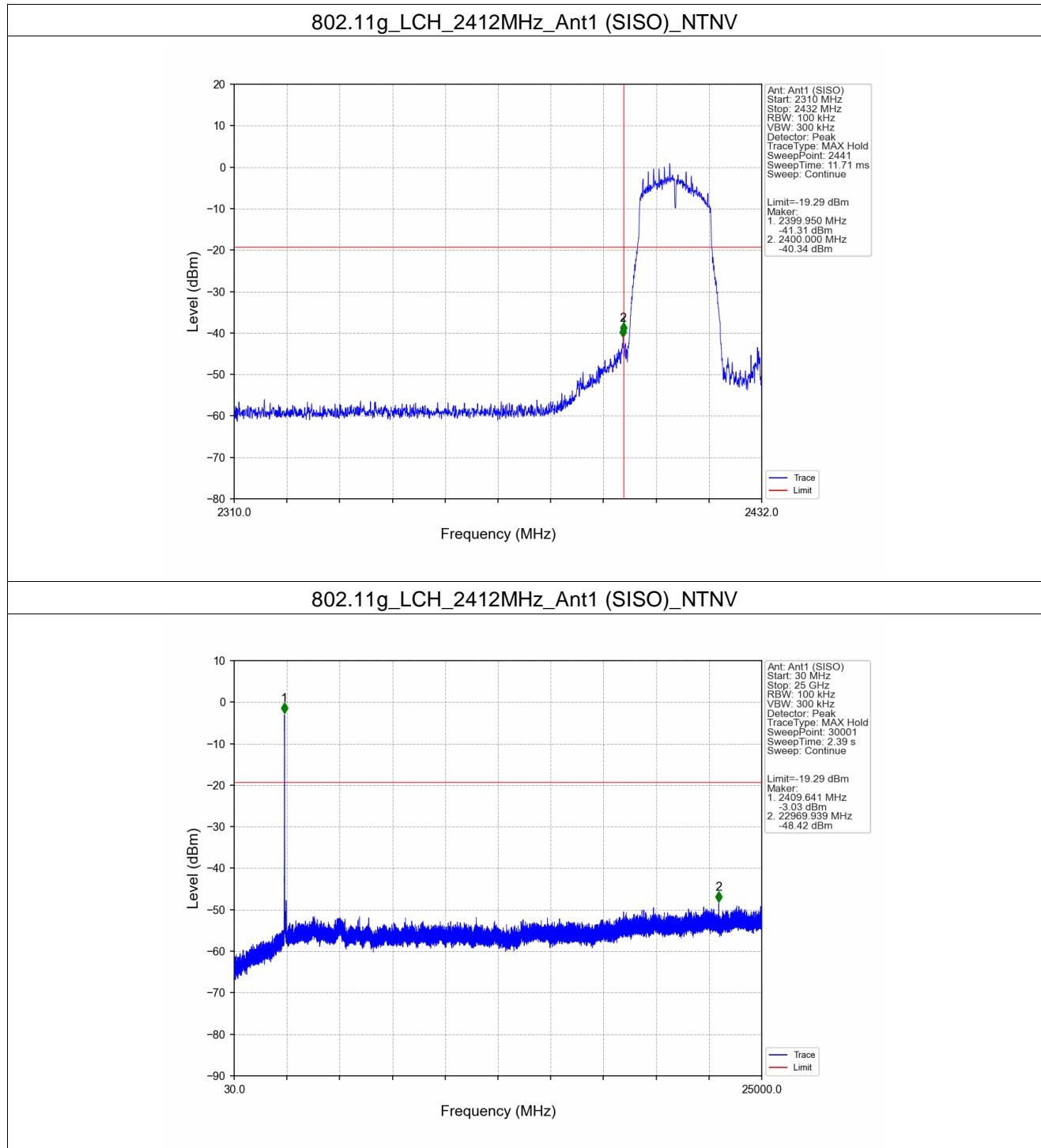
**802.11b\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV****802.11b\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV**

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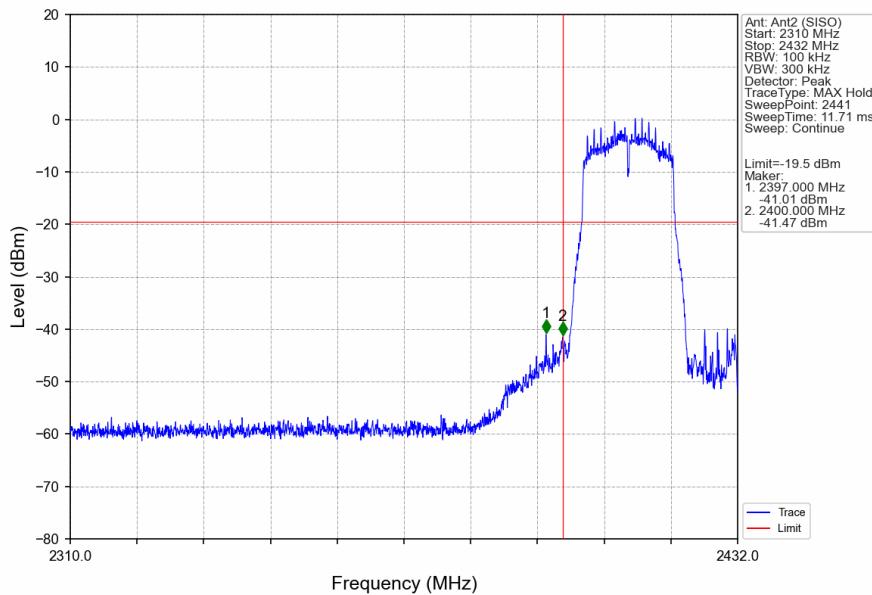
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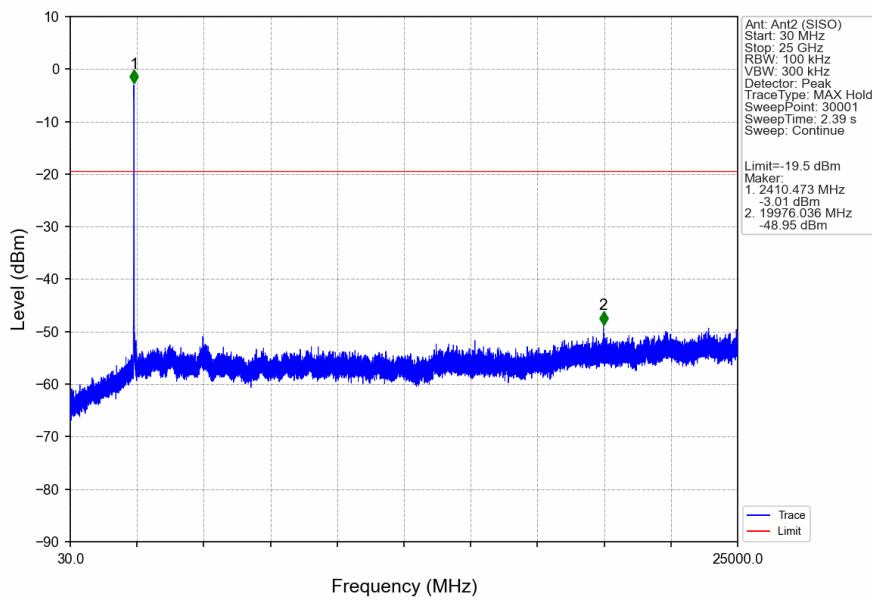
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## 802.11g\_LCH\_2412MHz\_Ant2 (SISO)\_NTNV



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



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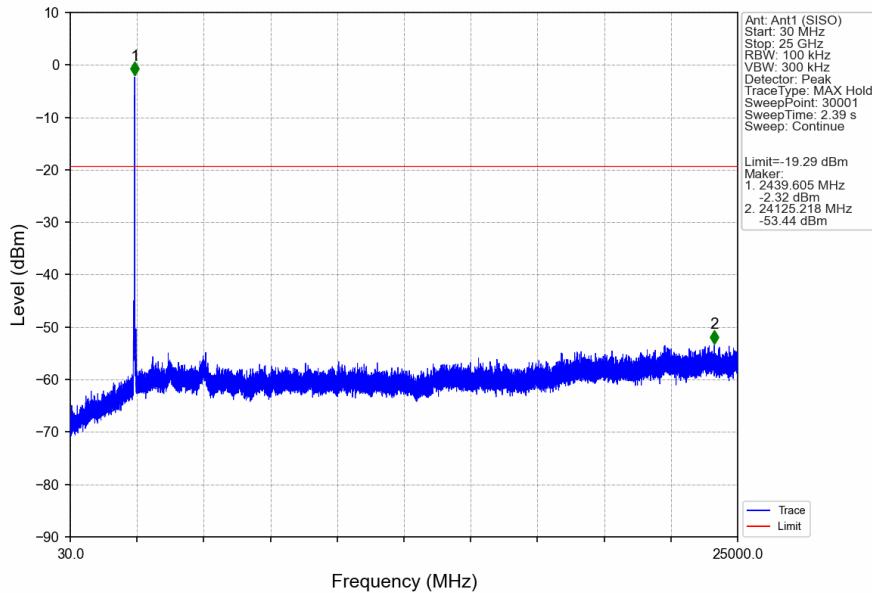
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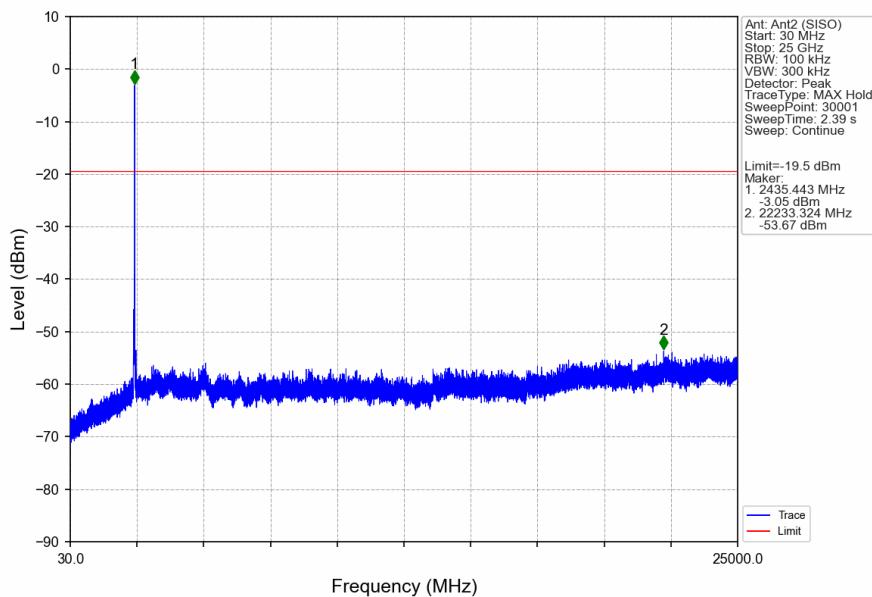
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## 802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



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

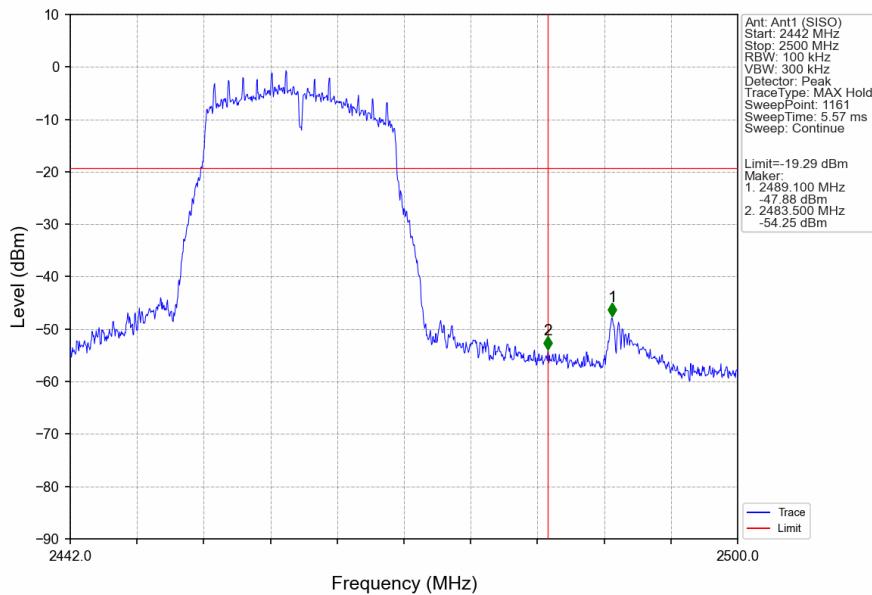
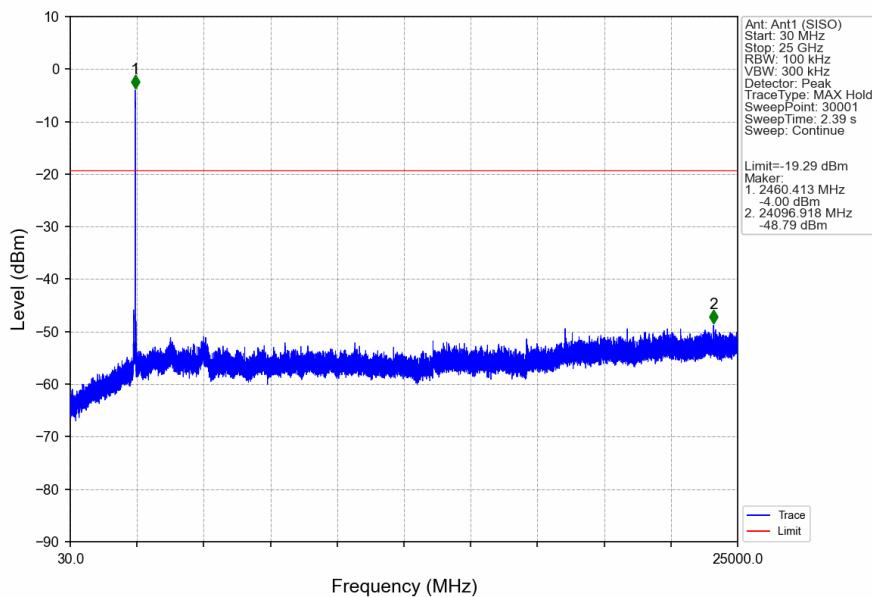


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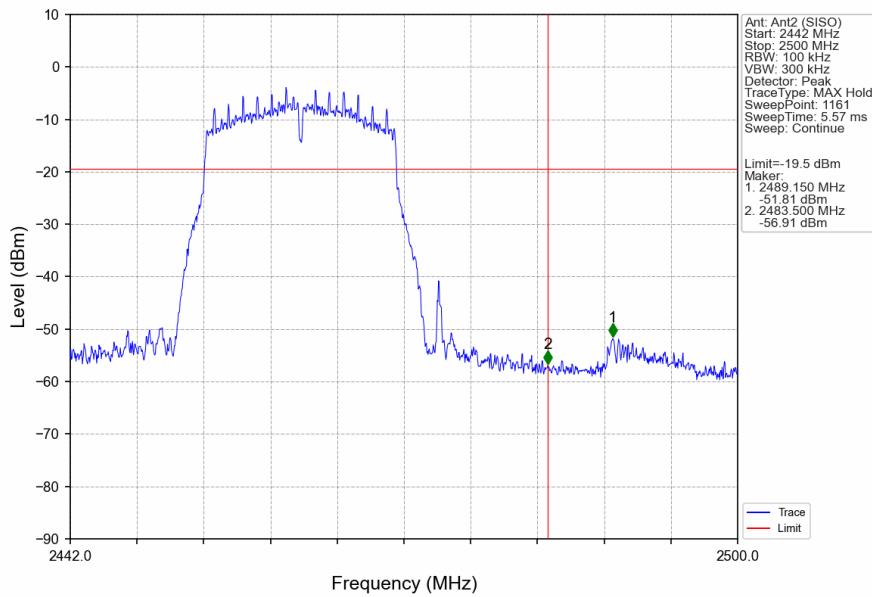
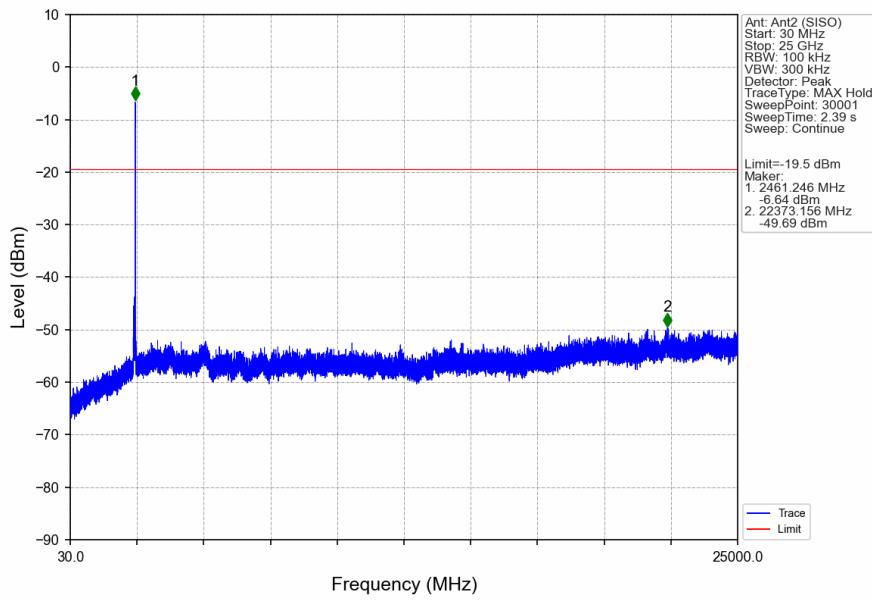
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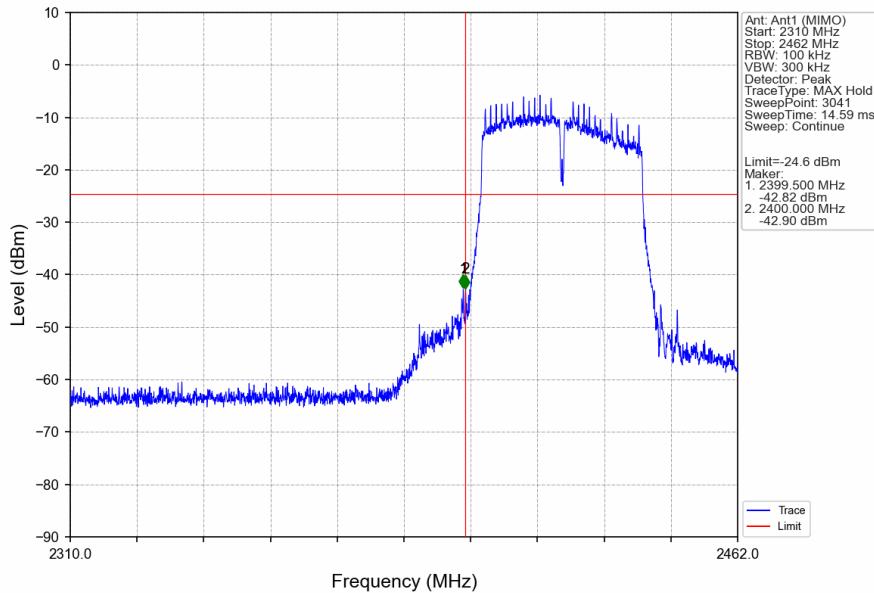
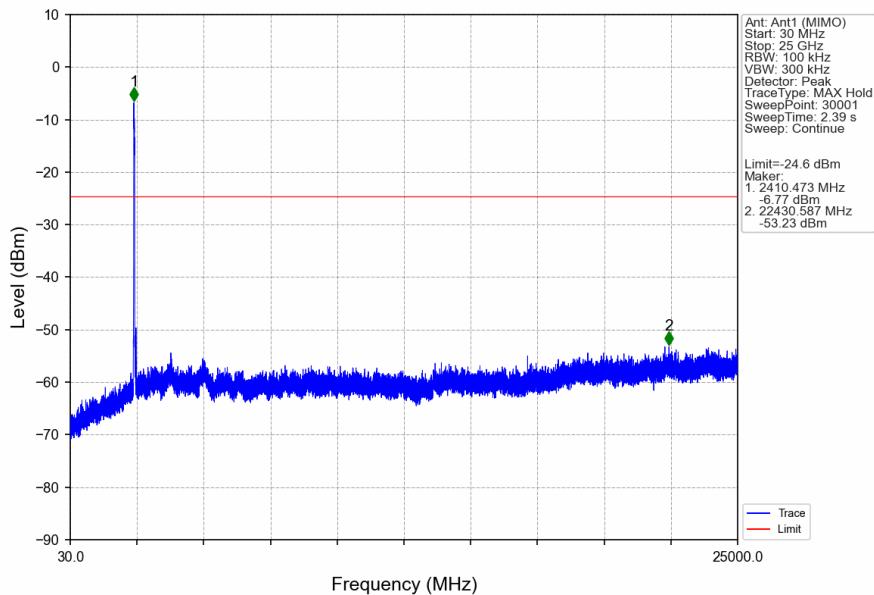
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**802.11g\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV****802.11g\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV**

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**802.11n(HT40)\_LCH\_2422MHz\_Ant1 (MIMO)\_NTNV****802.11n(HT40)\_LCH\_2422MHz\_Ant1 (MIMO)\_NTNV**

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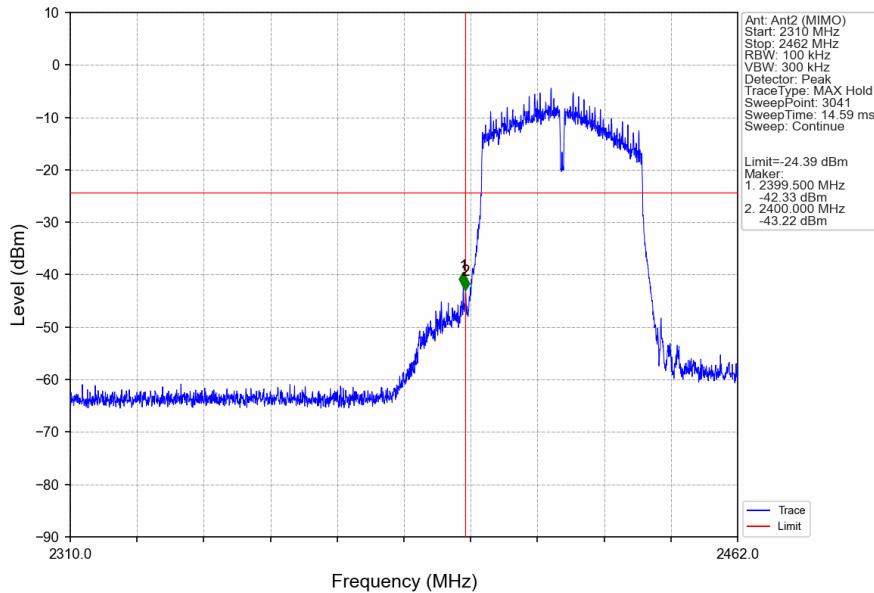
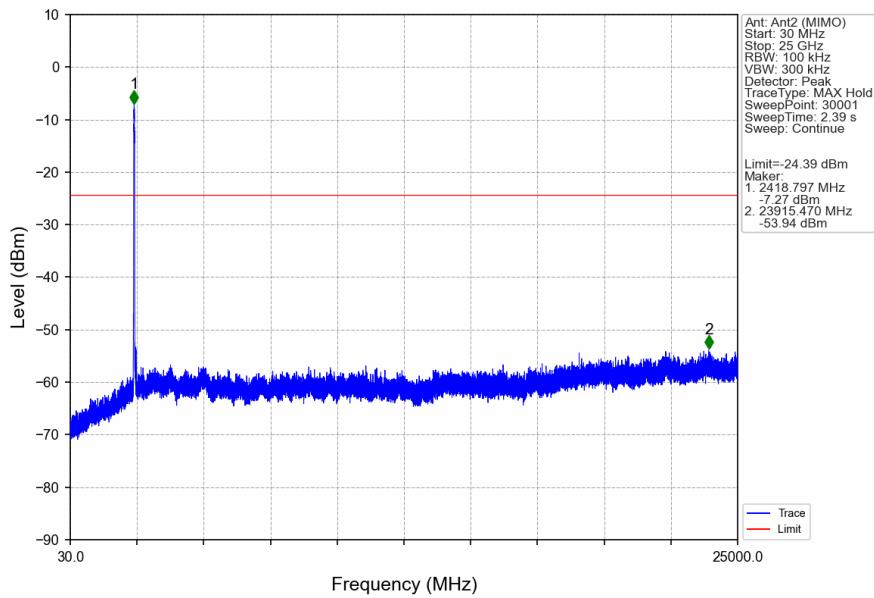
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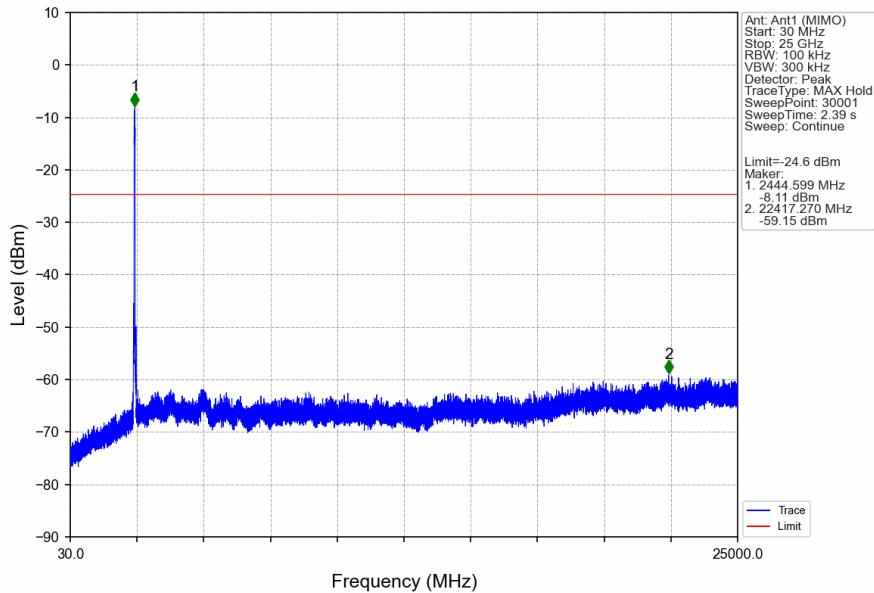
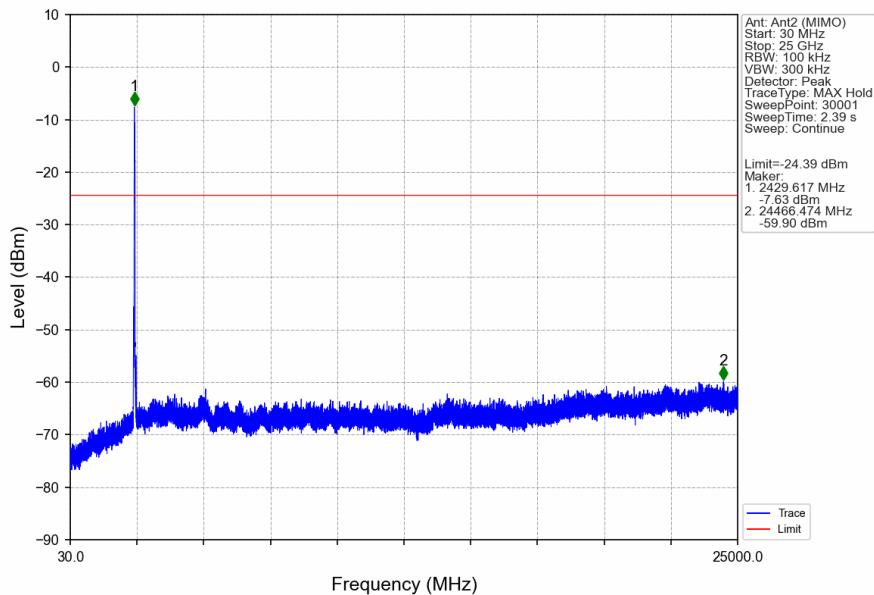
**802.11n(HT40)\_LCH\_2422MHz\_Ant2 (MIMO)\_NTNV****802.11n(HT40)\_LCH\_2422MHz\_Ant2 (MIMO)\_NTNV**

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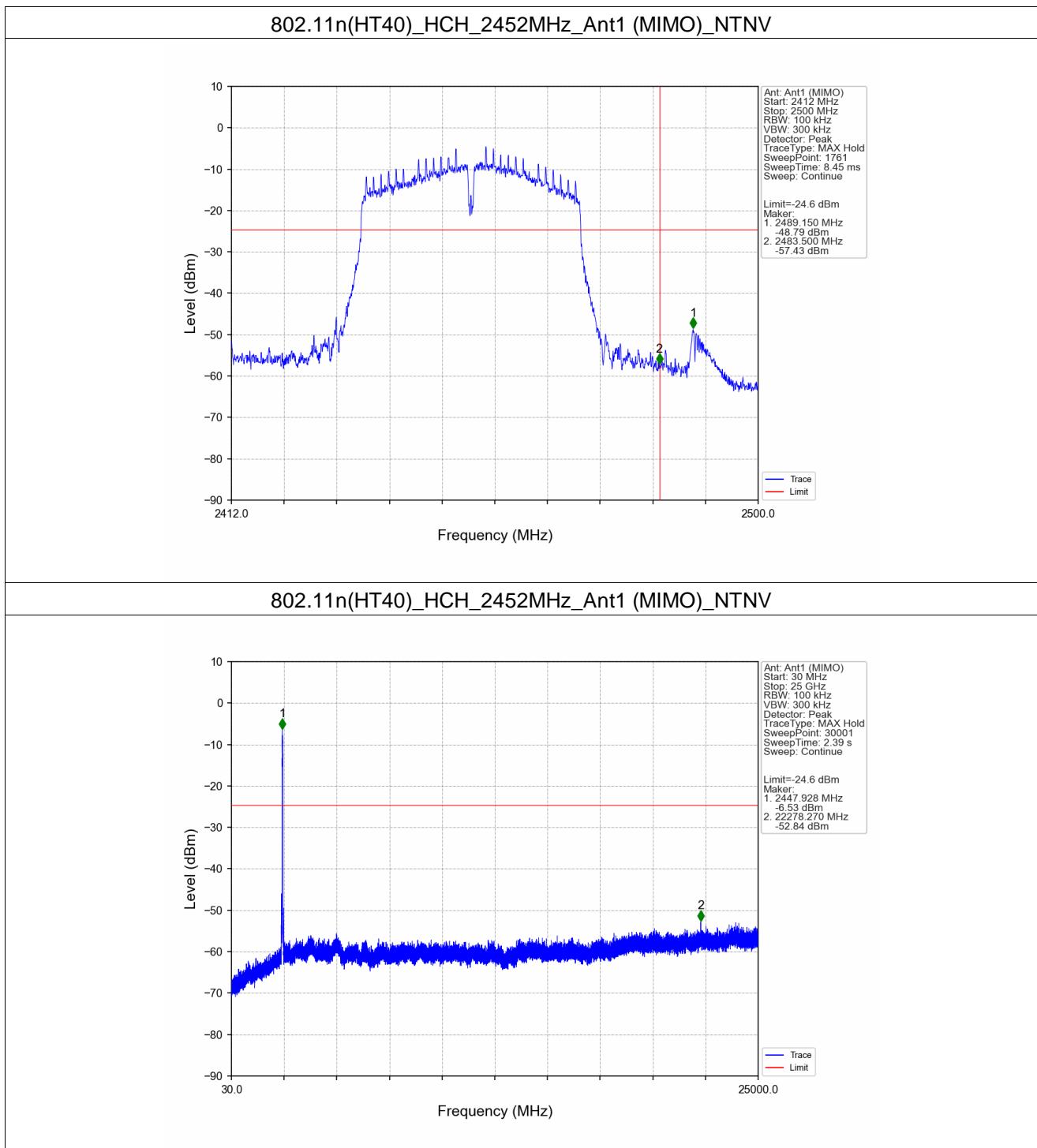
**802.11n(HT40)\_MCH\_2437MHz\_Ant1 (MIMO)\_NTNV****802.11n(HT40)\_MCH\_2437MHz\_Ant2 (MIMO)\_NTNV**

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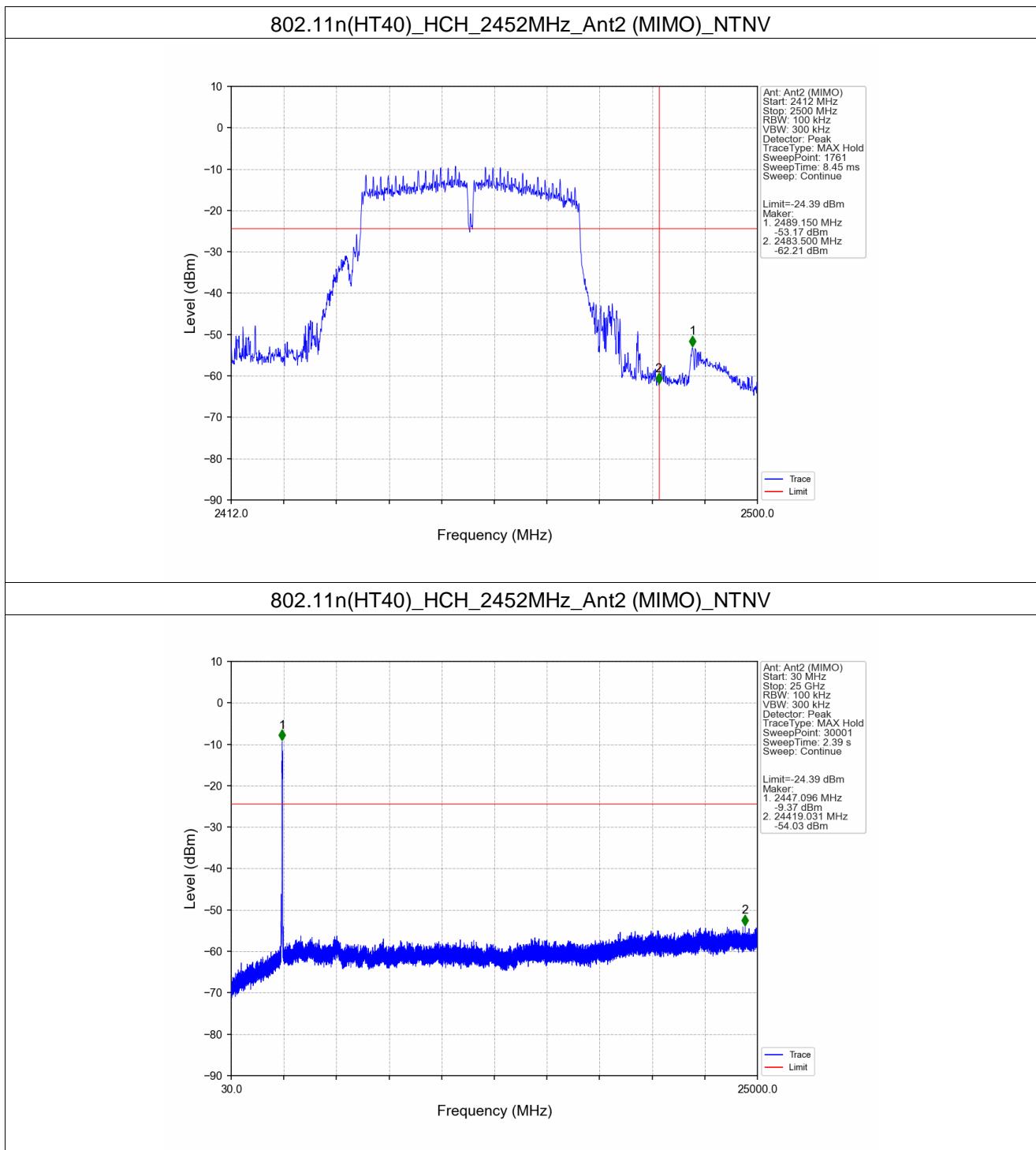


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- End of the Report -



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