

## 4. Maximum Power Spectral Density

### 4.1 Test Result

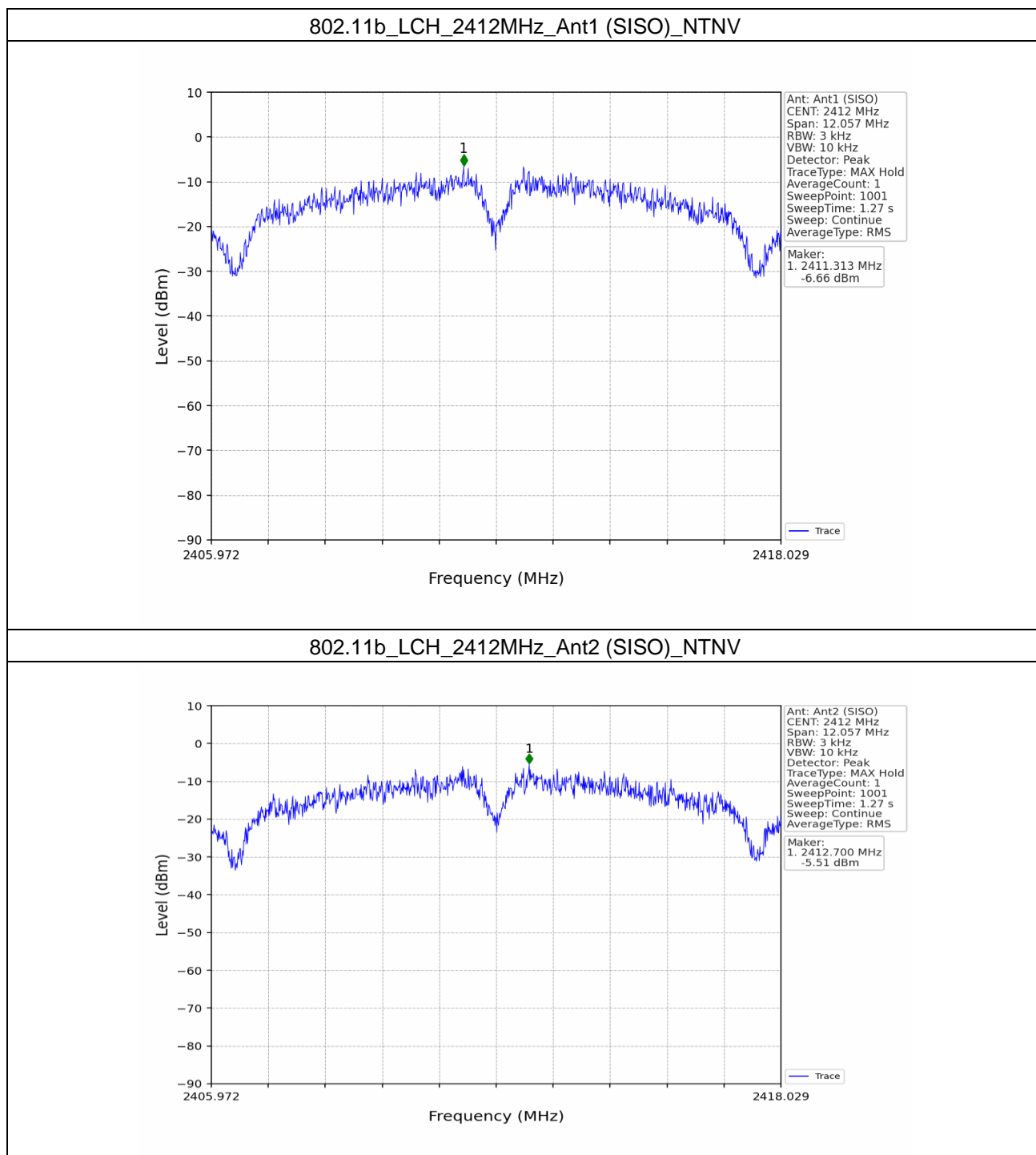
#### 4.1.1 PSD

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/3kHz)				Verdict
					ANT1	ANT2	MIMO	Limit	
802.11b	SISO	2412	/	/	-6.66	-5.51	/	<=8	Pass
		2437	/	/	-6.66	-5.02	/	<=8	Pass
		2462	/	/	-6.97	-6.51	/	<=8	Pass
802.11g	SISO	2412	/	/	-9.82	-9.30	/	<=8	Pass
		2437	/	/	-11.48	-10.48	/	<=8	Pass
		2462	/	/	-12.35	-9.40	/	<=8	Pass
802.11n (HT20)	MIMO	2412	/	/	-13.14	-15.65	-12.06	<=8	Pass
		2437	/	/	-12.62	-15.30	-11.59	<=8	Pass
		2462	/	/	-13.44	-14.45	-11.48	<=8	Pass
802.11n (HT40)	MIMO	2422	/	/	-14.68	-16.53	-13.68	<=8	Pass
		2437	/	/	-14.88	-16.68	-13.75	<=8	Pass
		2452	/	/	-13.96	-16.03	-12.88	<=8	Pass
802.11ax (HEW20)	MIMO	2412	RU242	Left	-14.85	-16.67	-13.78	<=8	Pass
		2437	RU242	Left	-15.15	-17.79	-14.33	<=8	Pass
		2462	RU242	Left	-15.51	-16.34	-13.74	<=8	Pass
802.11ax (HEW40)	MIMO	2422	RU484	Left	-17.40	-20.21	-16.19	<=8	Pass
		2437	RU484	Left	-17.95	-20.06	-16.99	<=8	Pass
		2452	RU484	Left	-17.78	-19.74	-16.30	<=8	Pass



### 4.2 Test Graph

#### 4.2.1 PSD



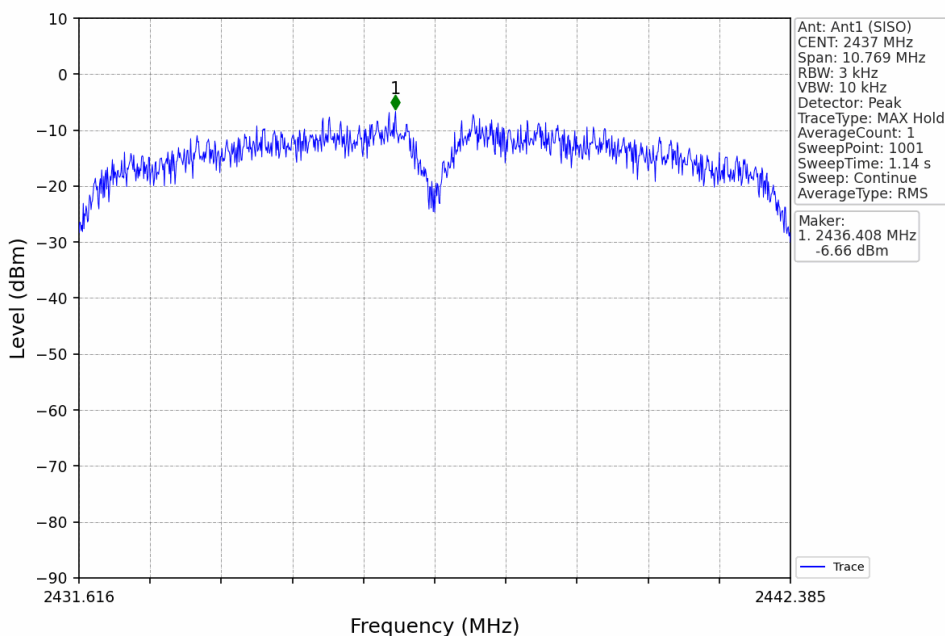
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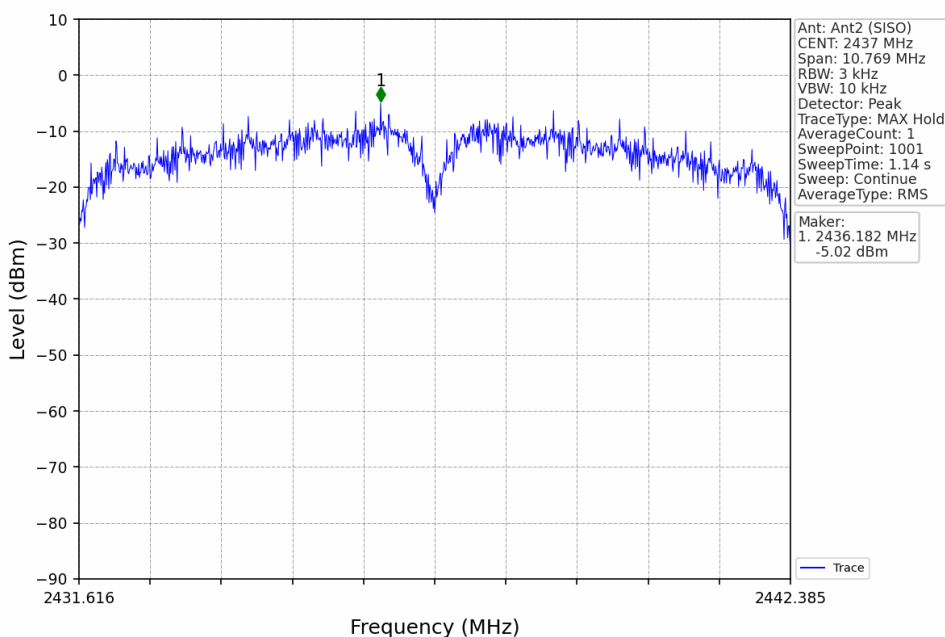
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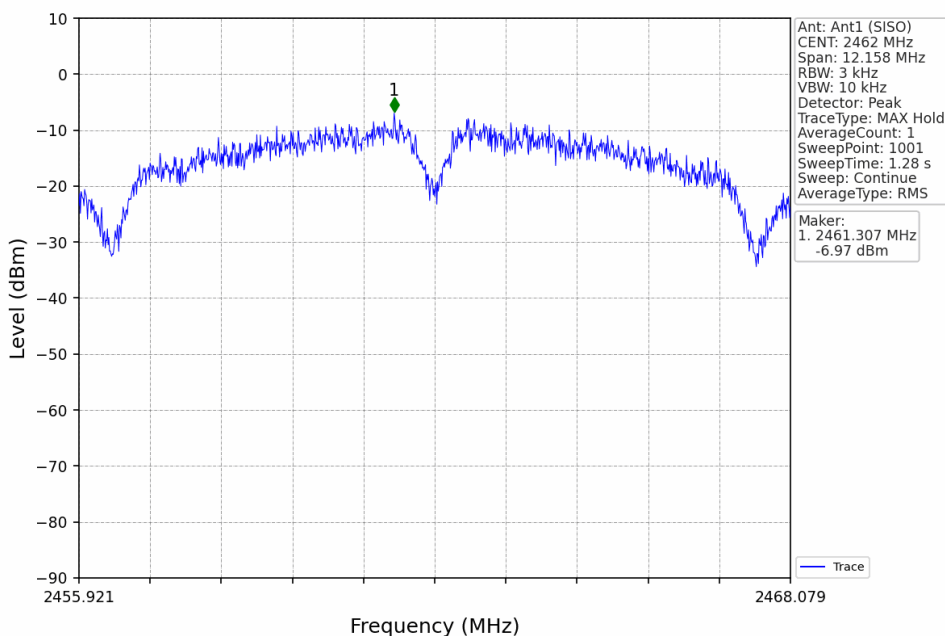
802.11b\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



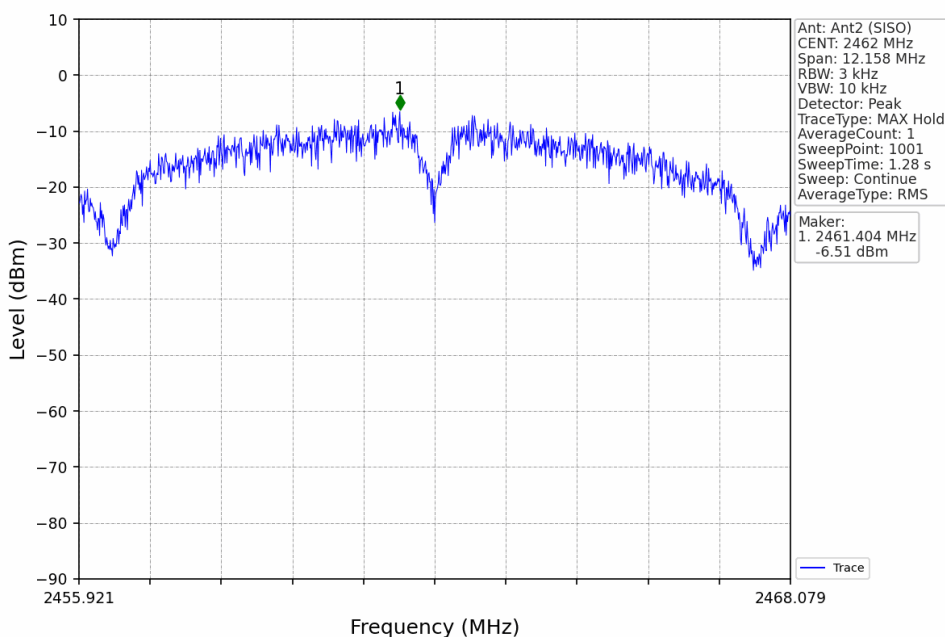
802.11b\_MCH\_2437MHz\_Ant2 (SISO)\_NTNV



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



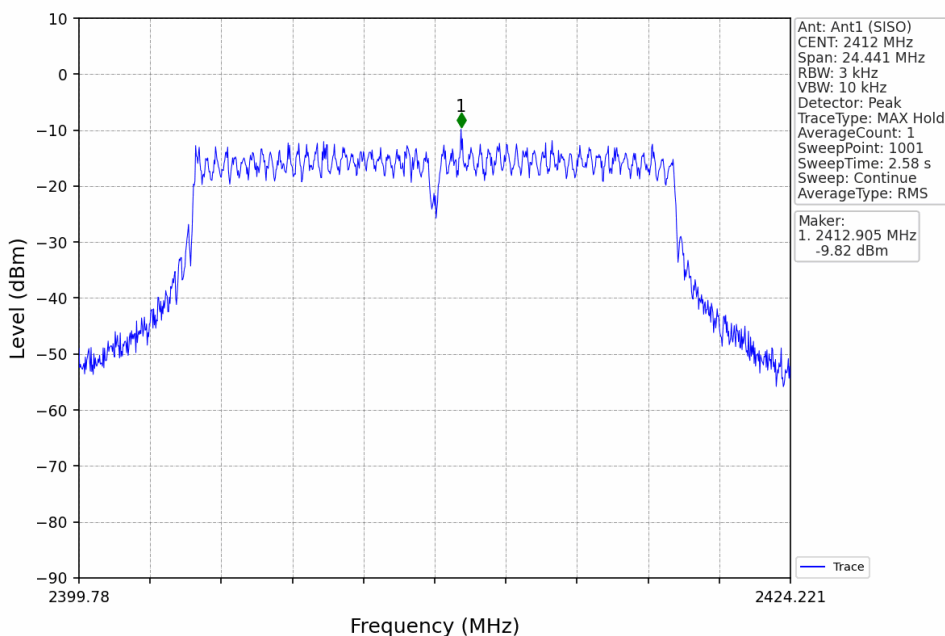
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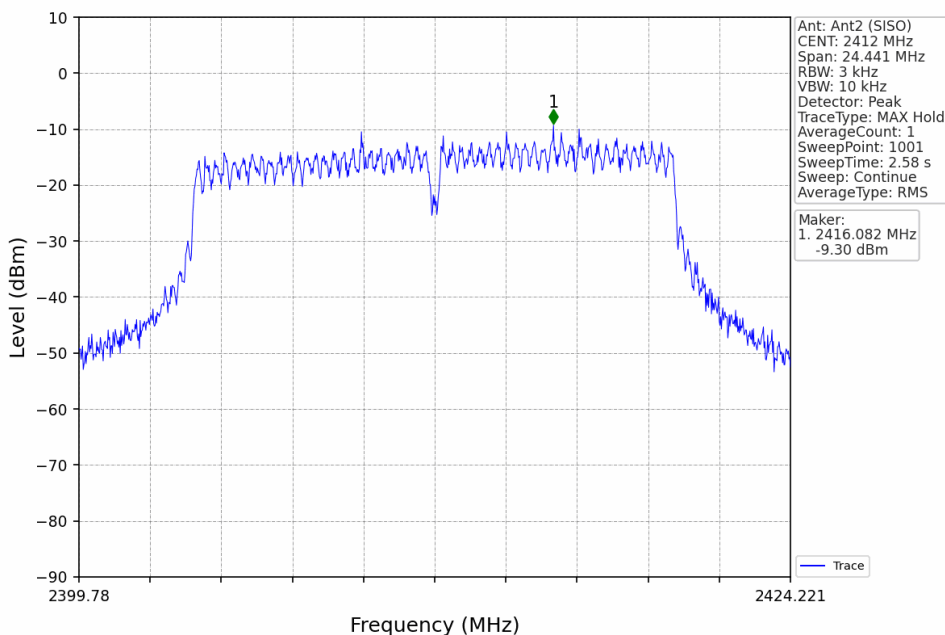
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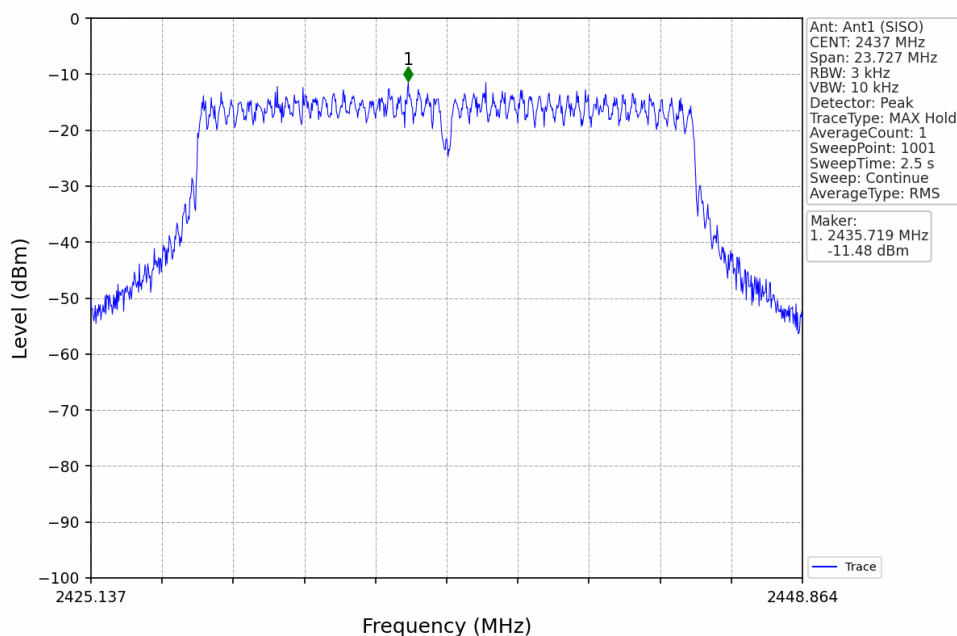
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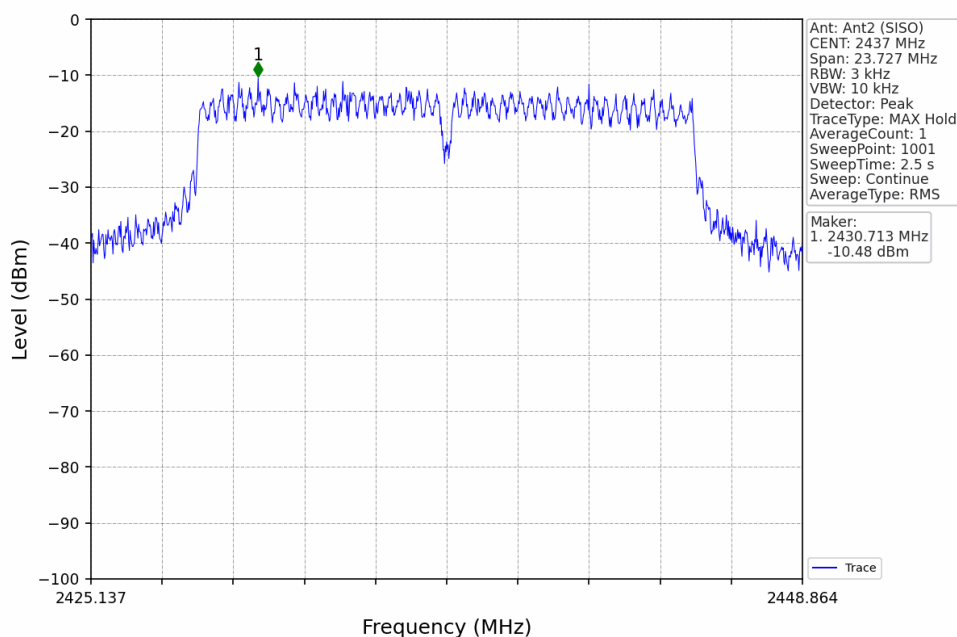
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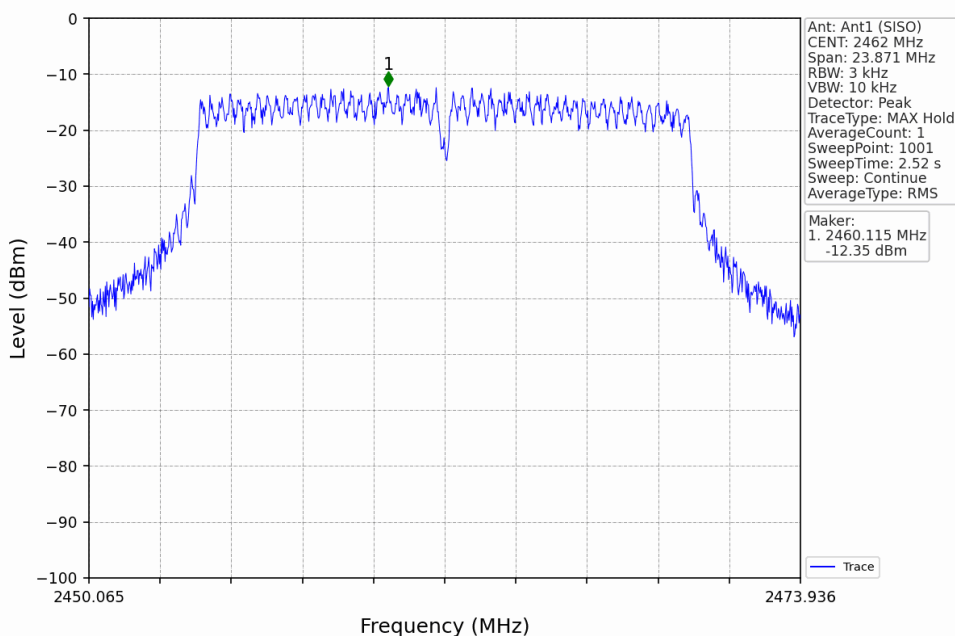
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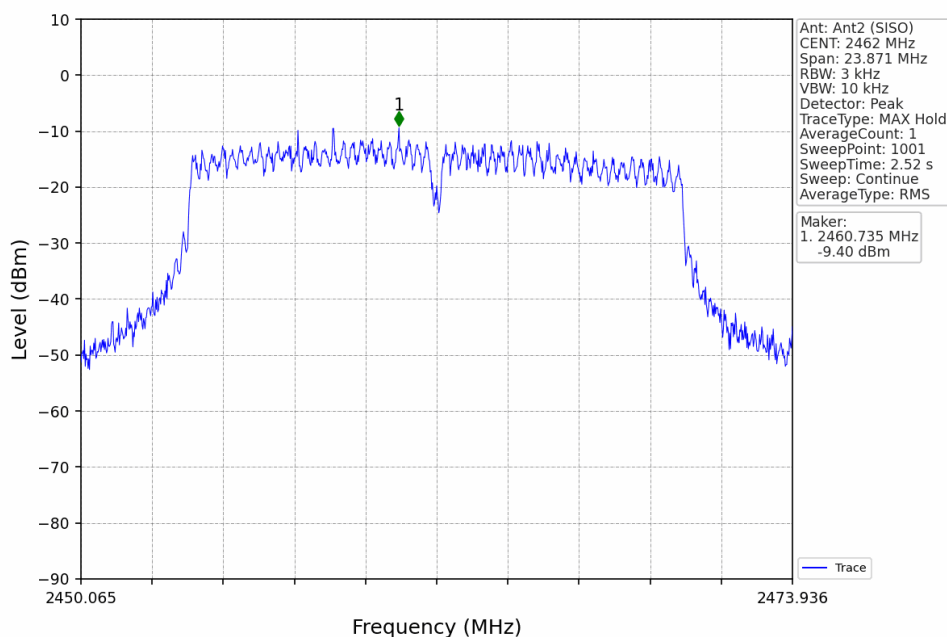
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802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



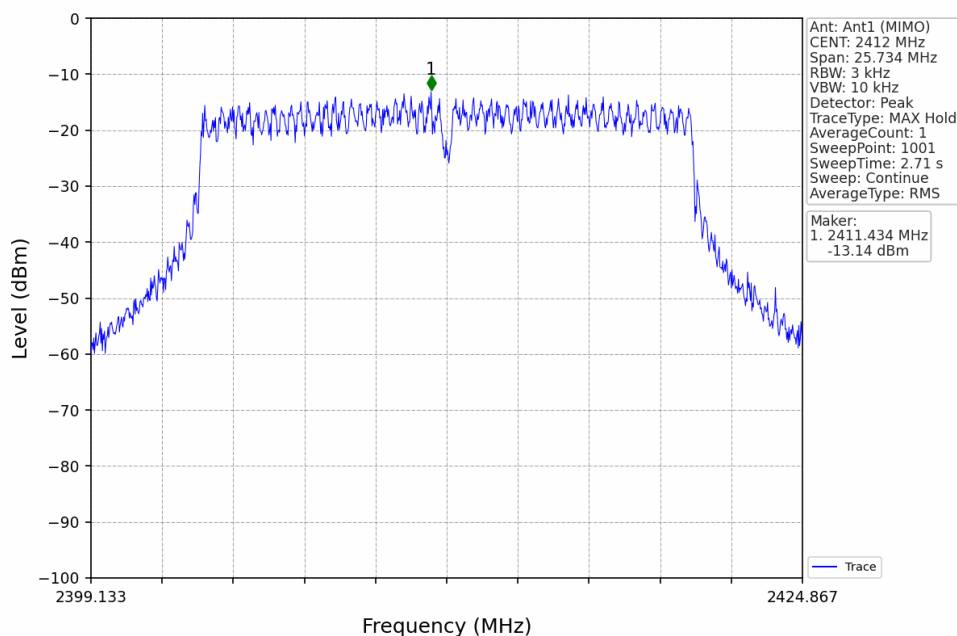
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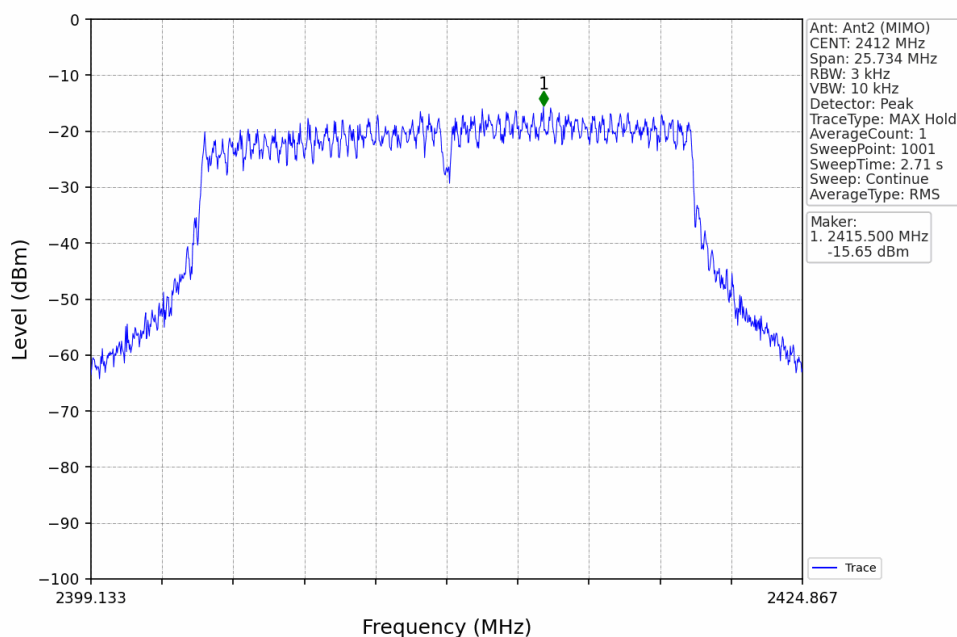
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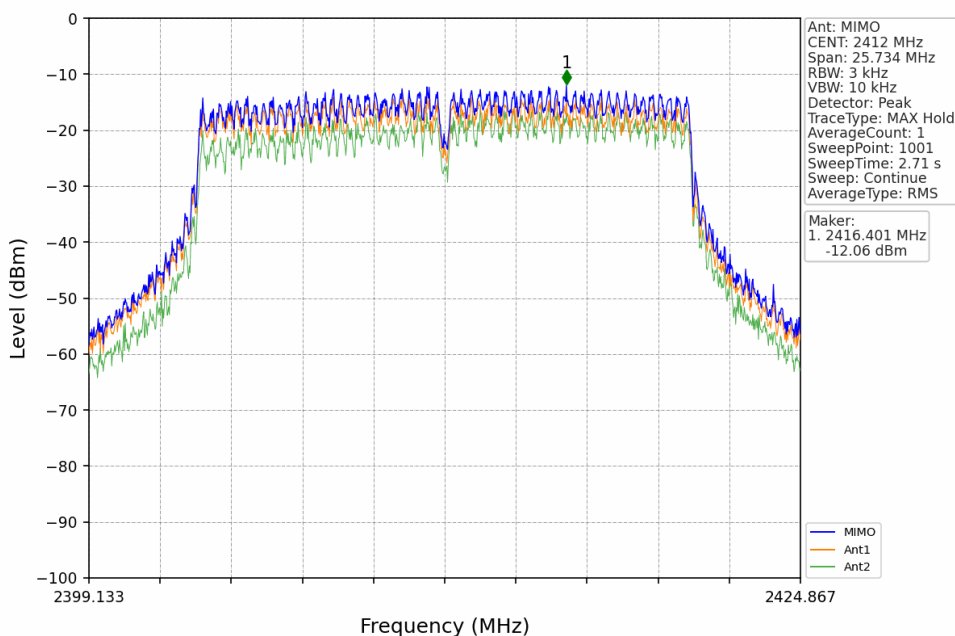
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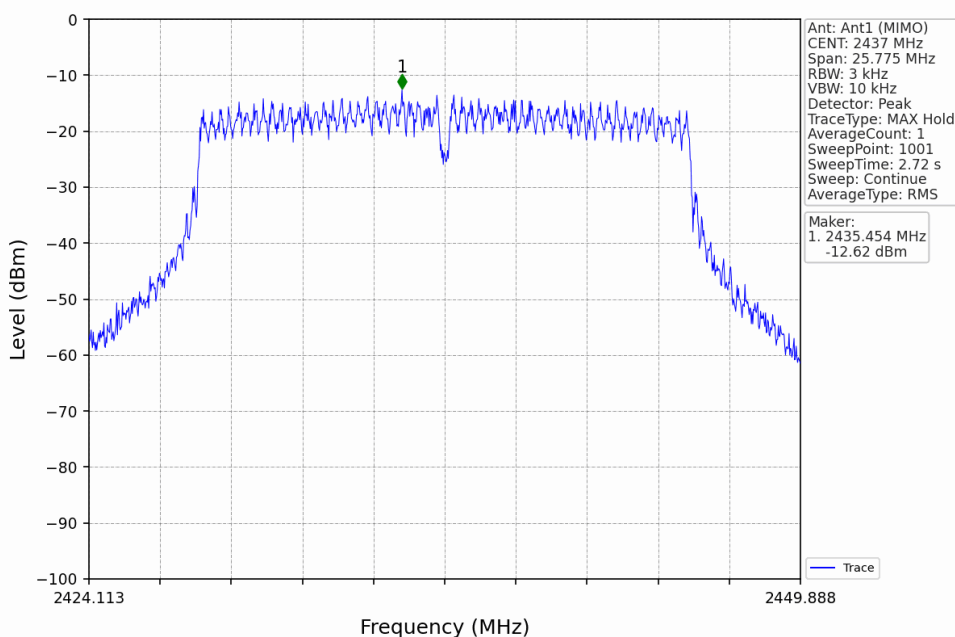
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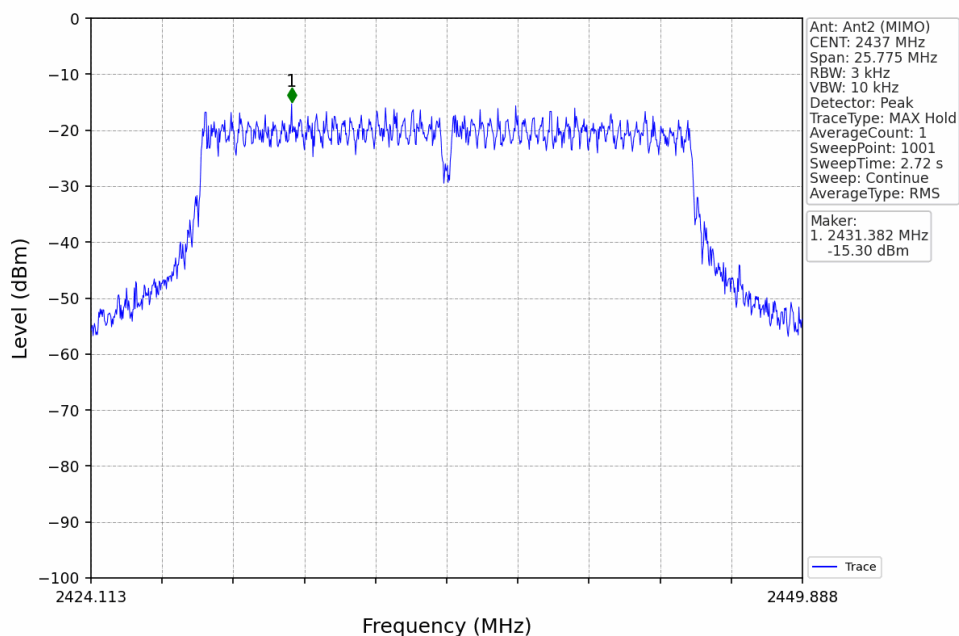
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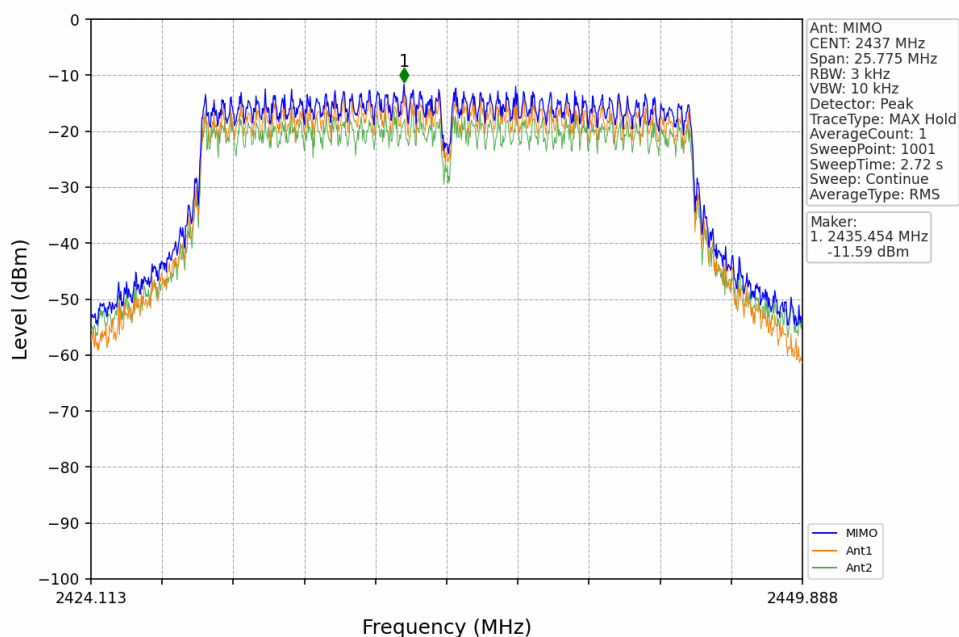
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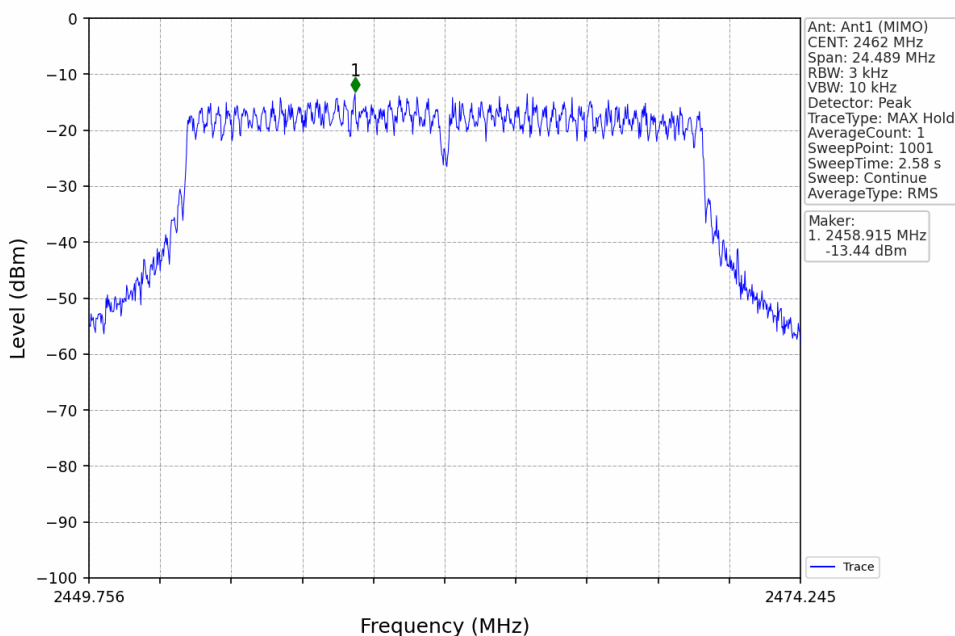
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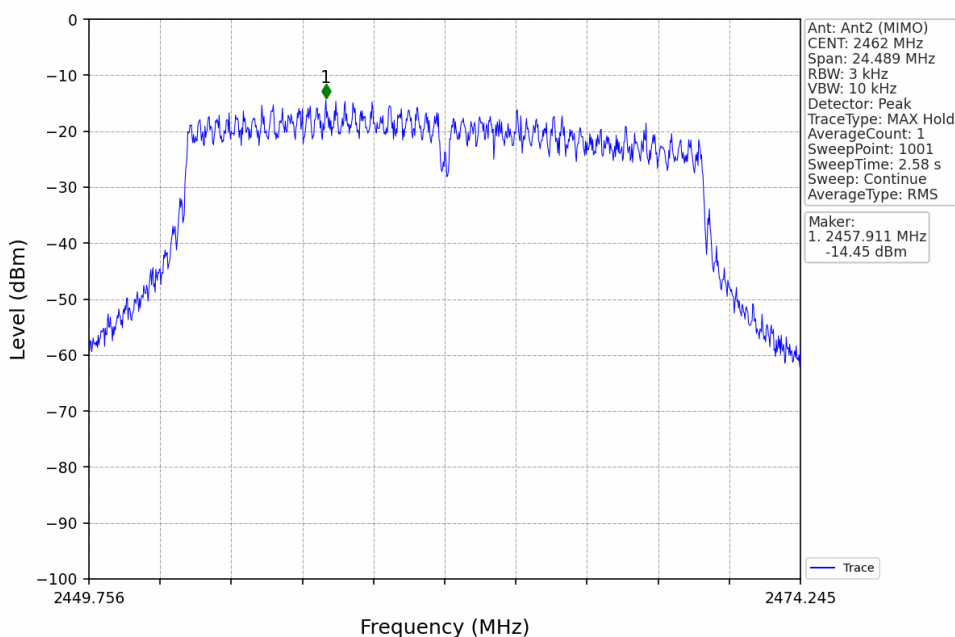
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802.11n(HT20)\_HCH\_2462MHz\_Ant1 (MIMO)\_NTNV



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



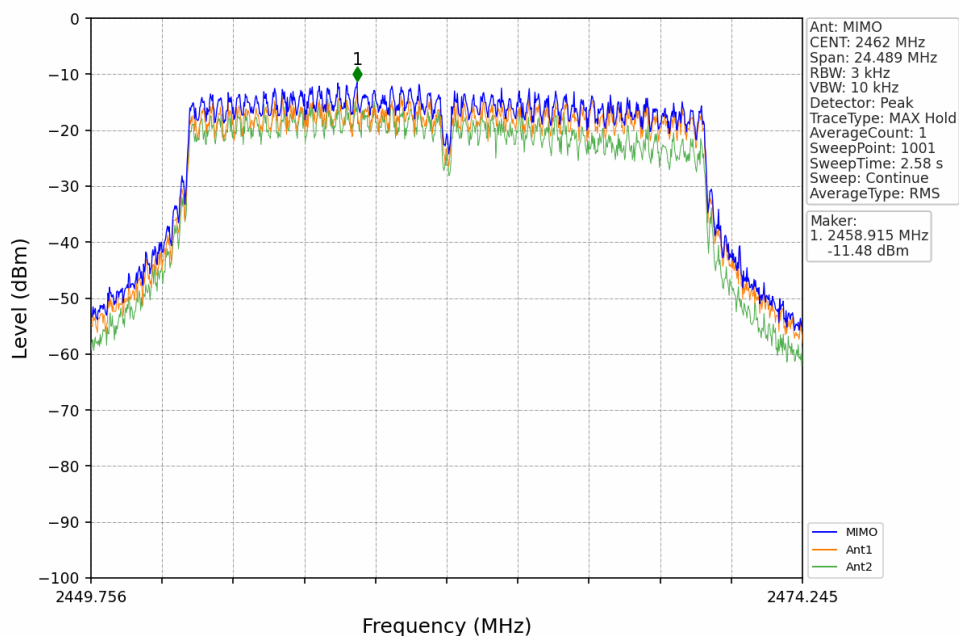
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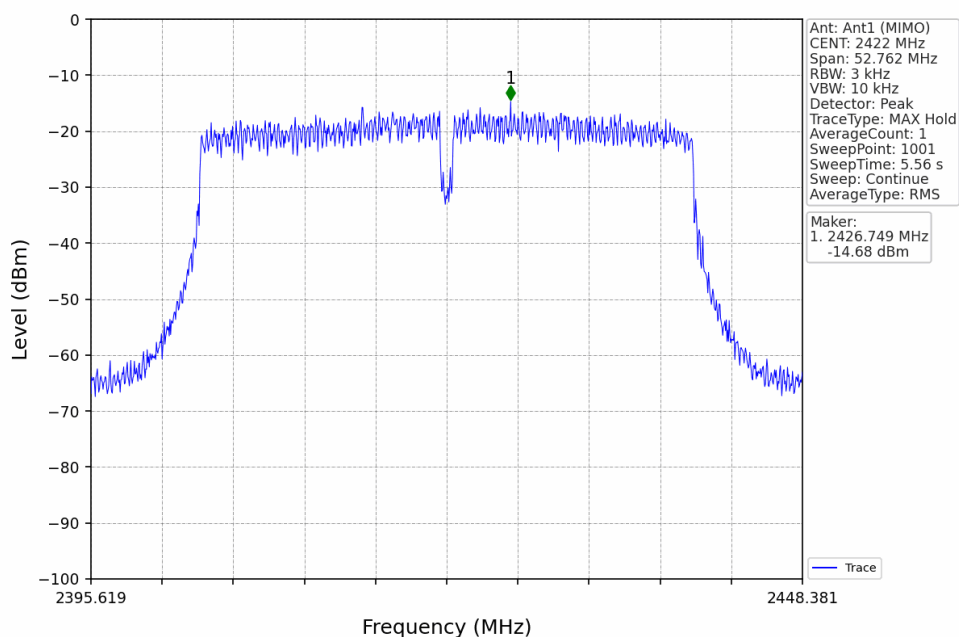
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802.11n(HT20)\_HCH\_2462MHz\_MIMO\_NTNV



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



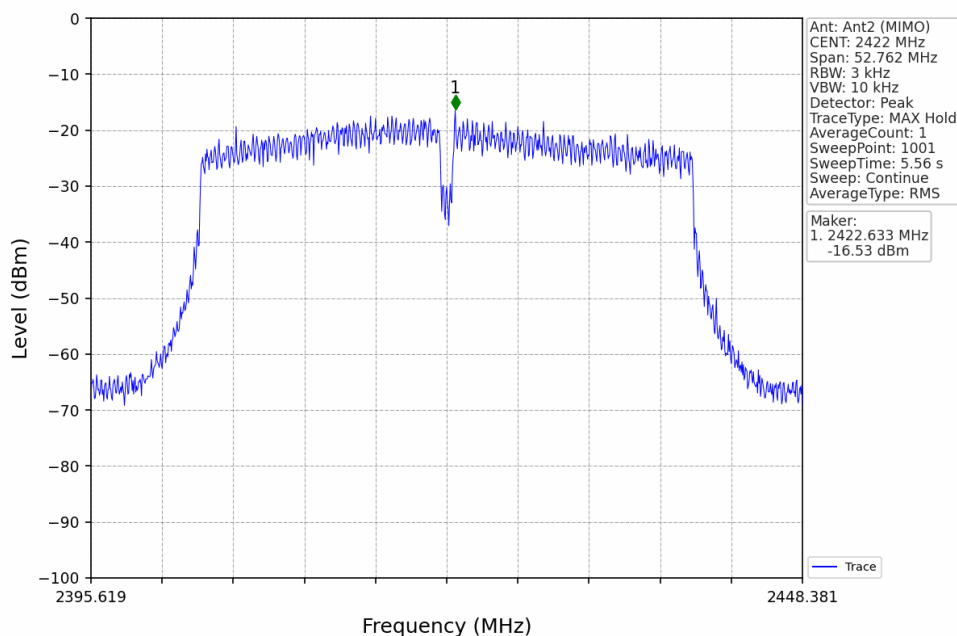
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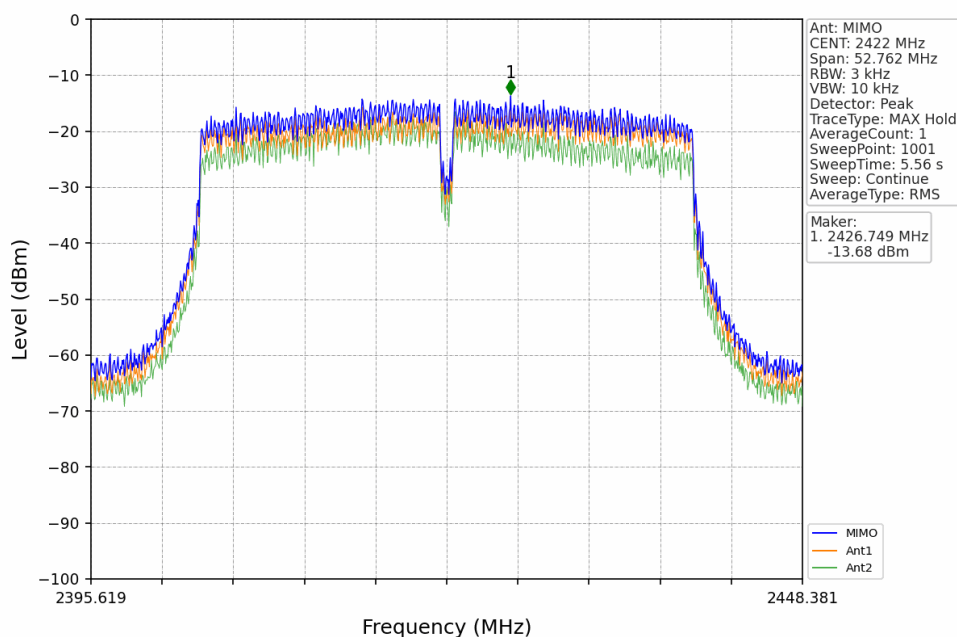
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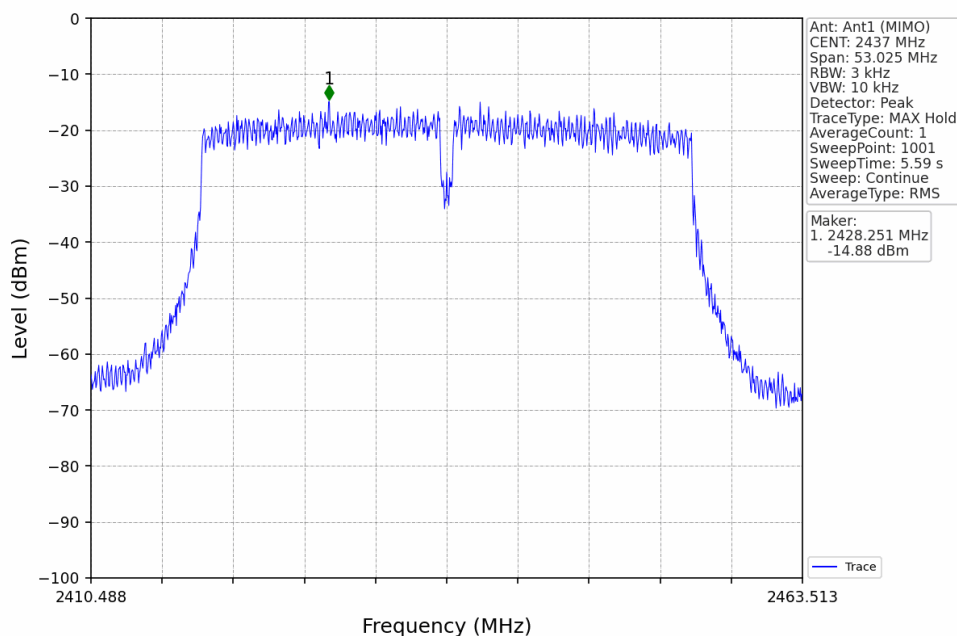
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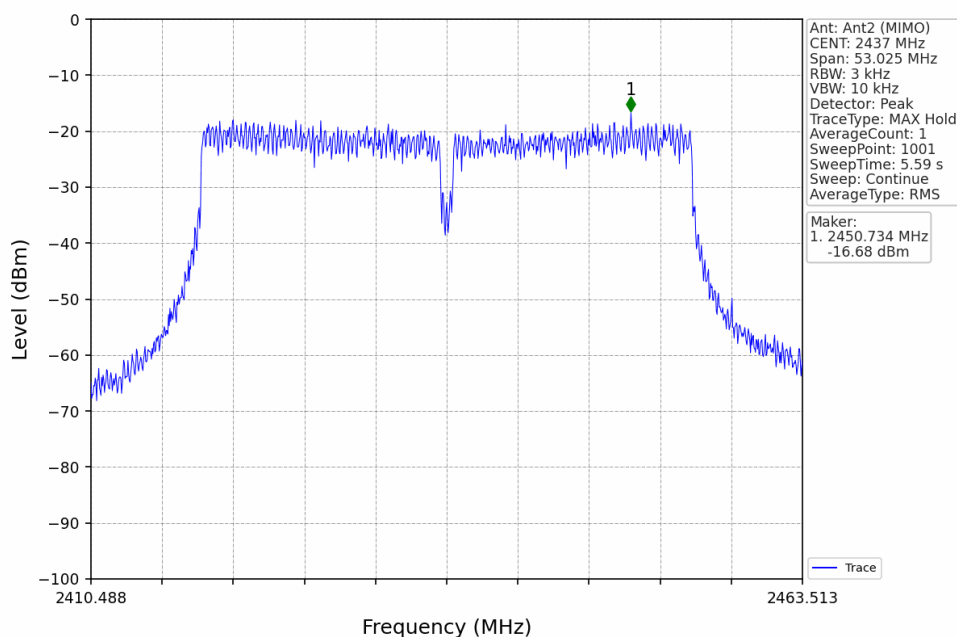
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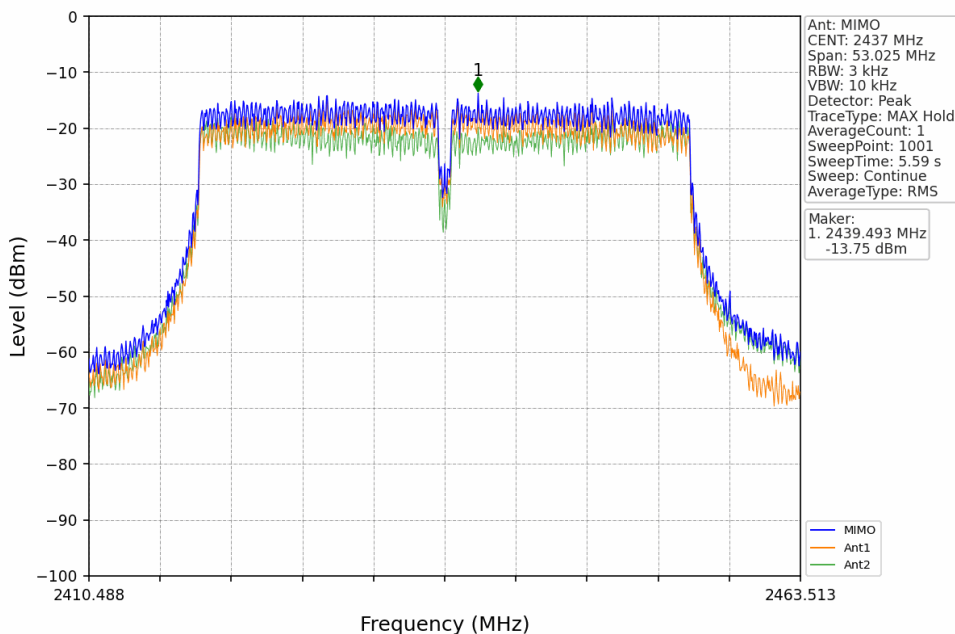
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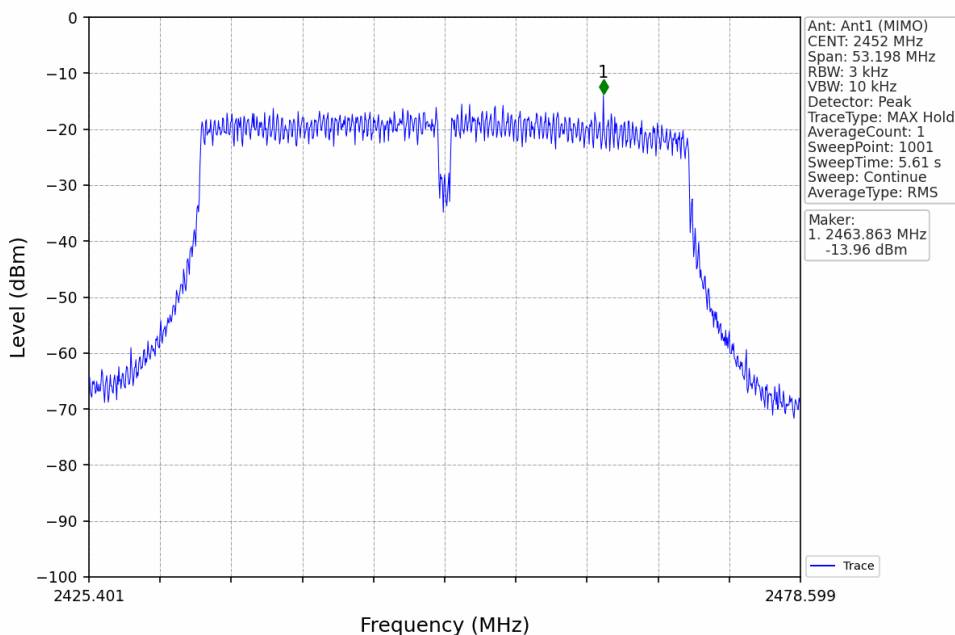
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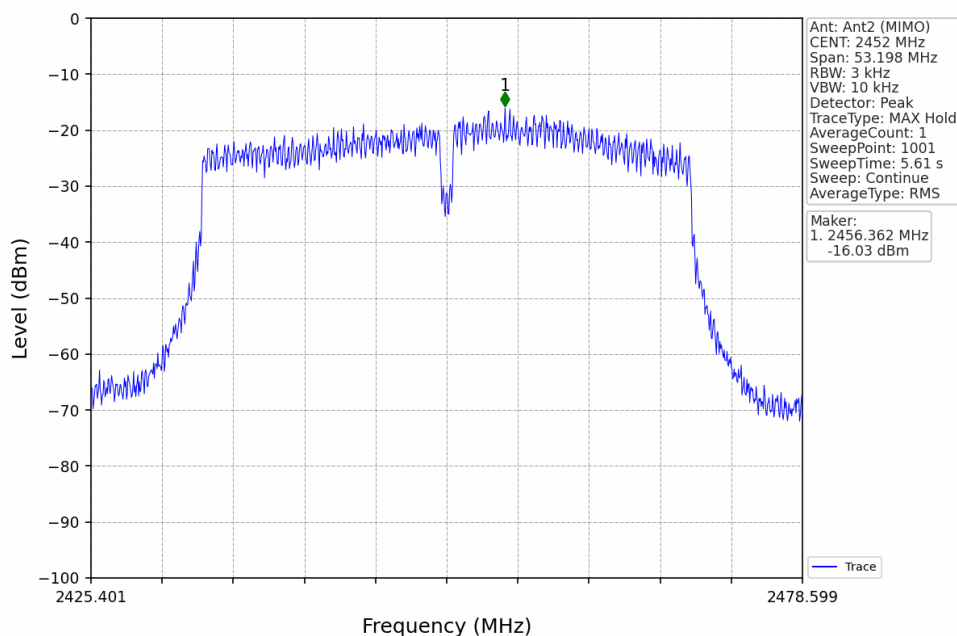
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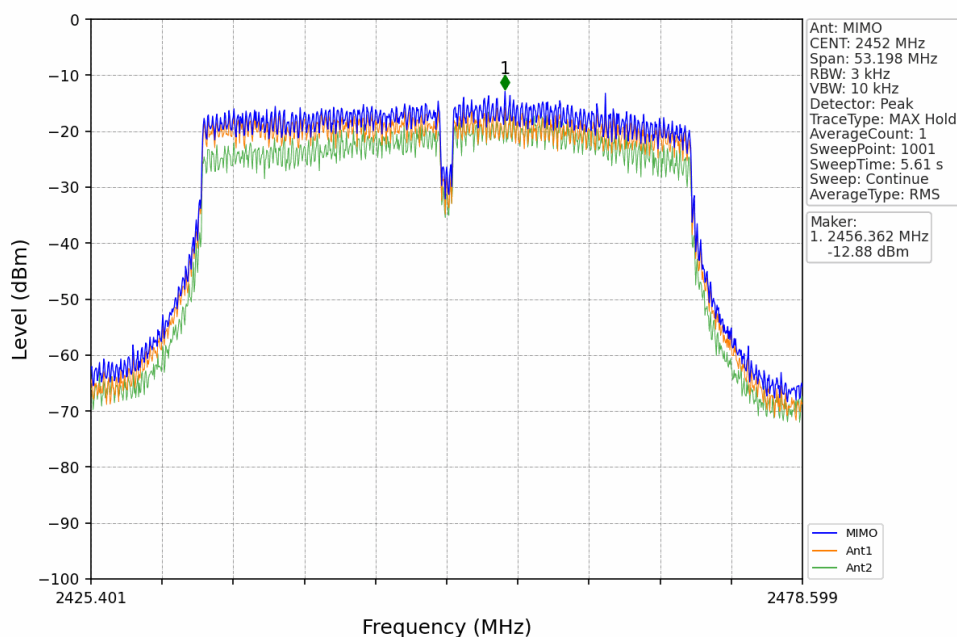
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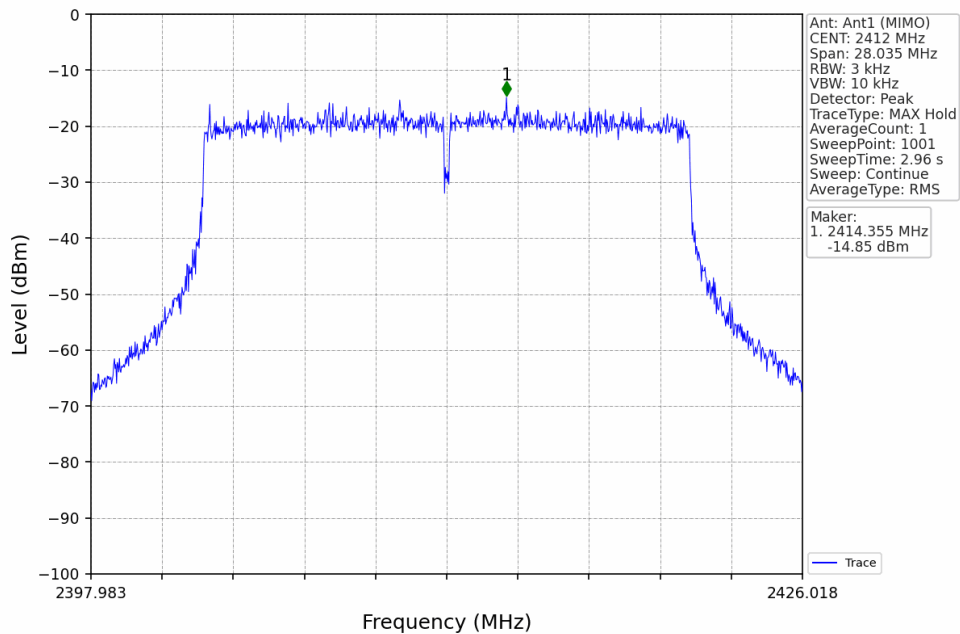
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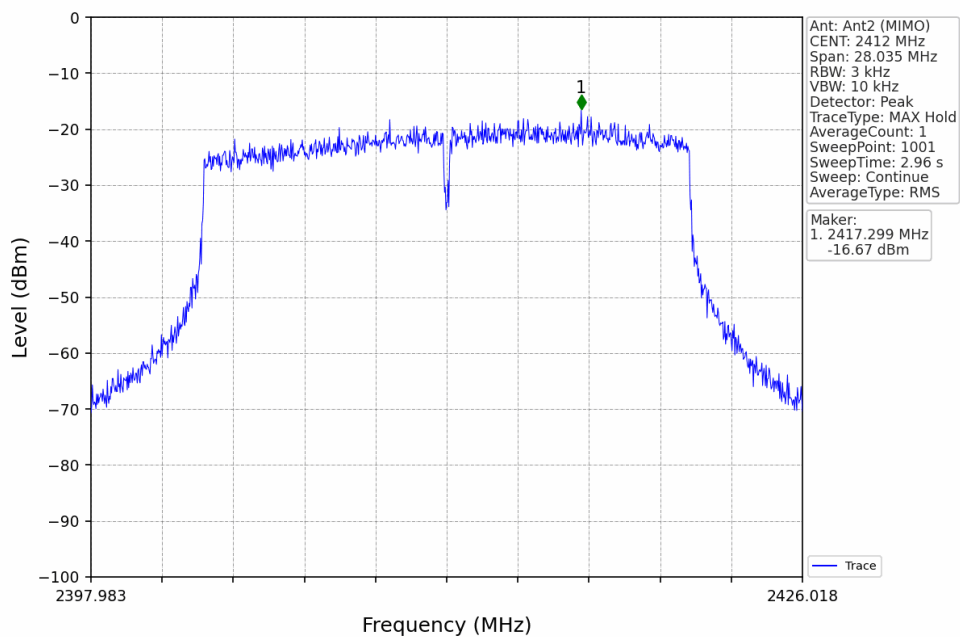
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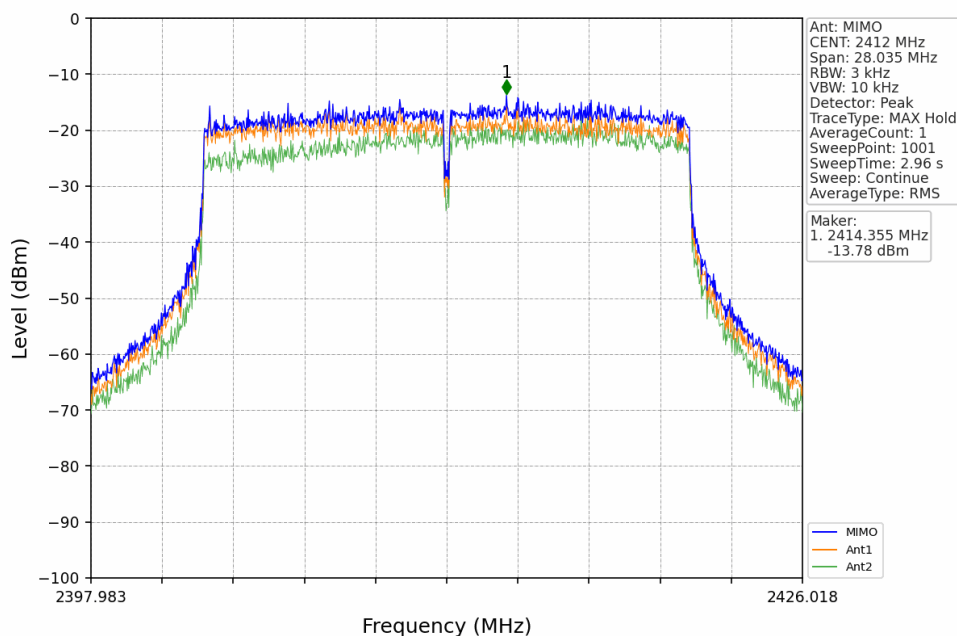
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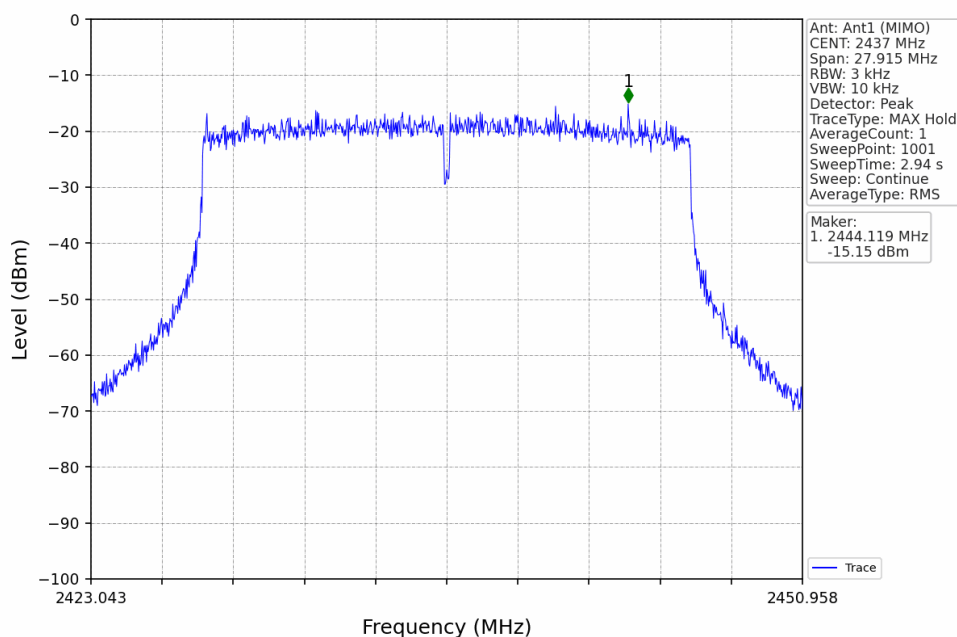
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802.11ax(HEW20)\_LCH\_2412MHz\_RU242\_Left\_MIMO\_NTNV



802.11ax(HEW20)\_MCH\_2437MHz\_RU242\_Left\_Ant1 (MIMO)\_NTNV



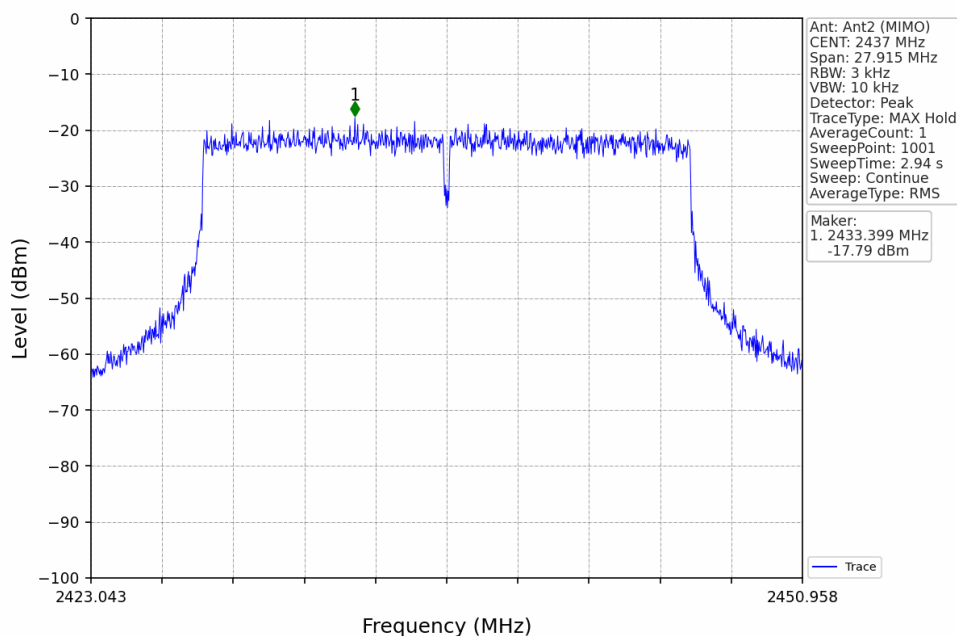
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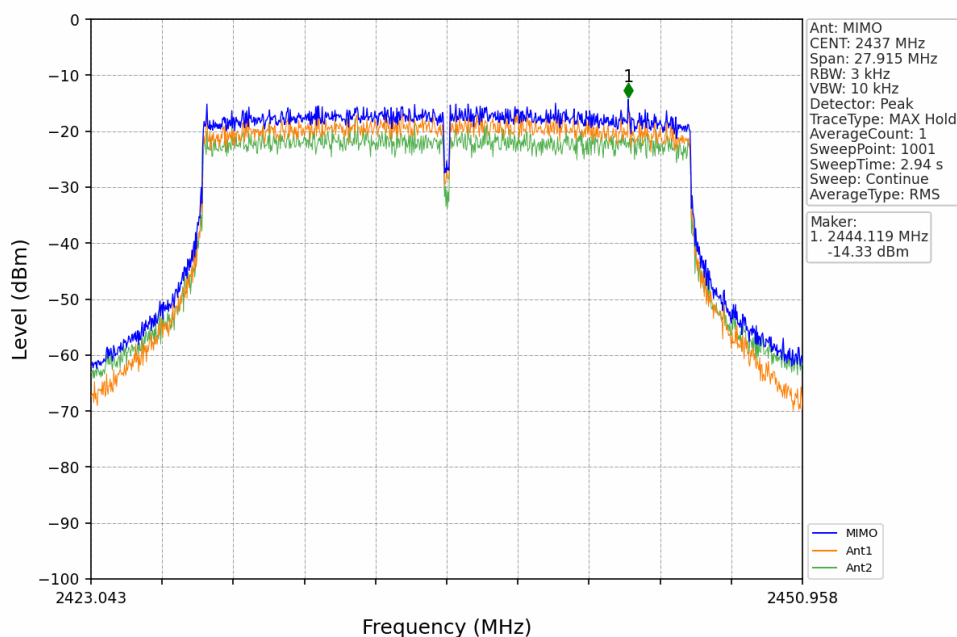
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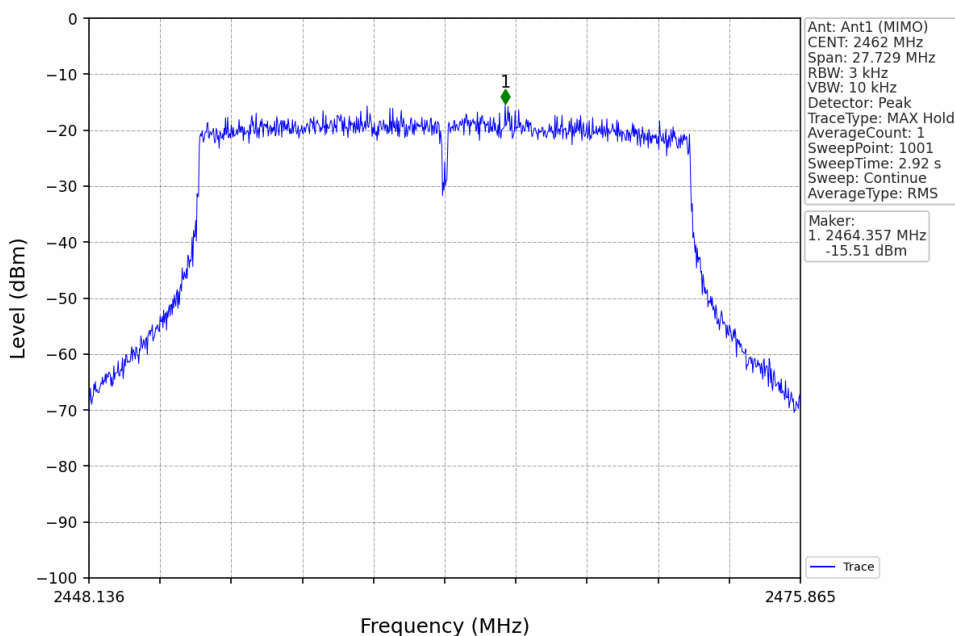
802.11ax(HEW20)\_MCH\_2437MHz\_RU242\_Left\_Ant2 (MIMO)\_NTNV



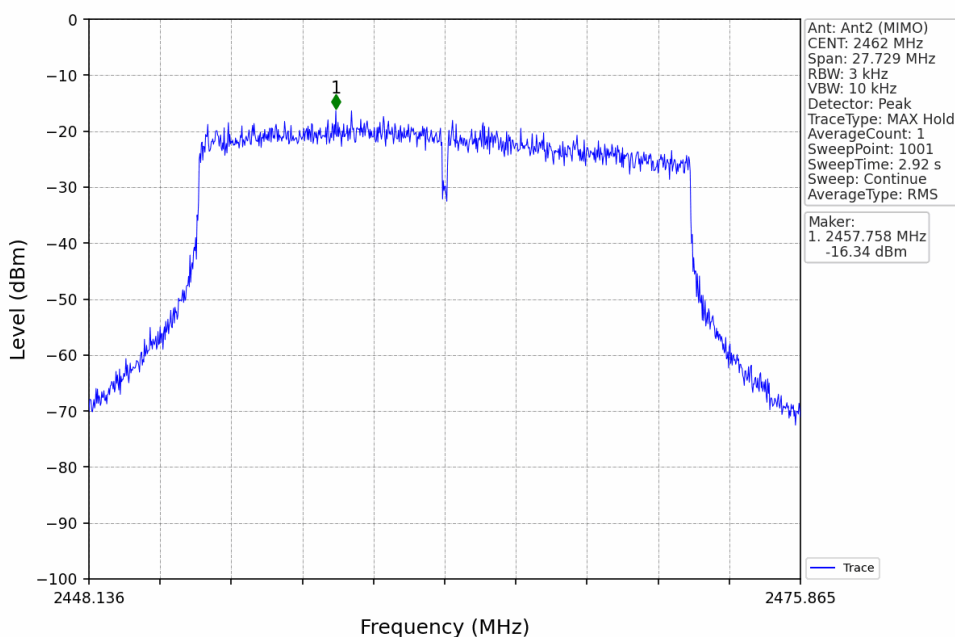
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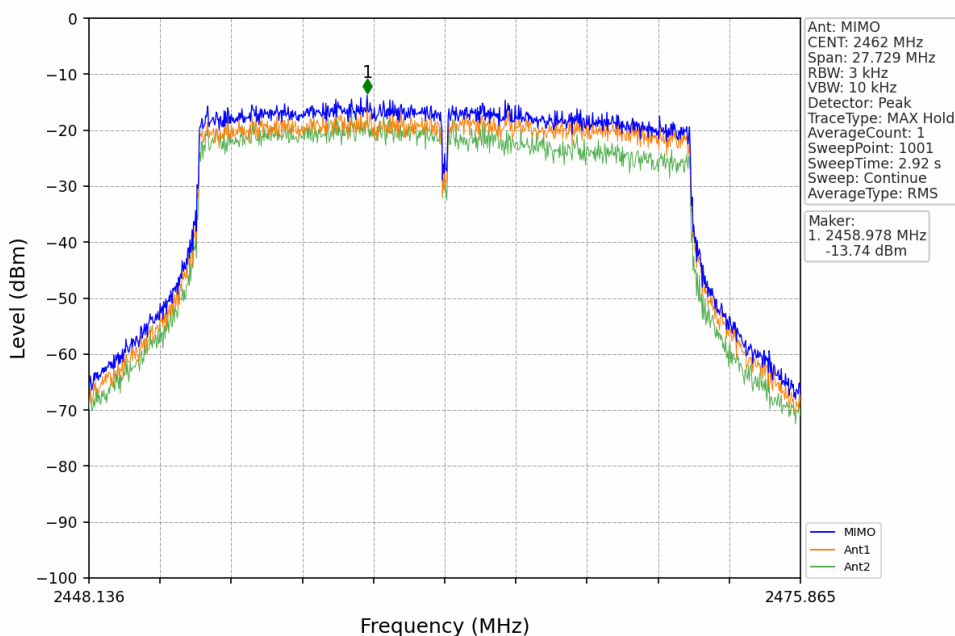
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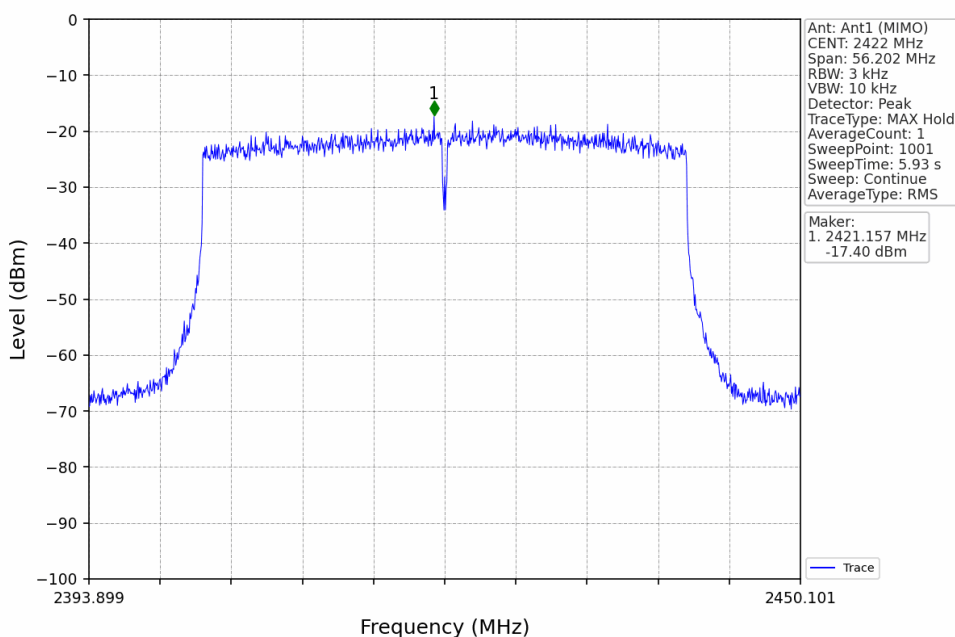
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802.11ax(HEW20)\_HCH\_2462MHz\_RU242\_Left\_MIMO\_NTNV



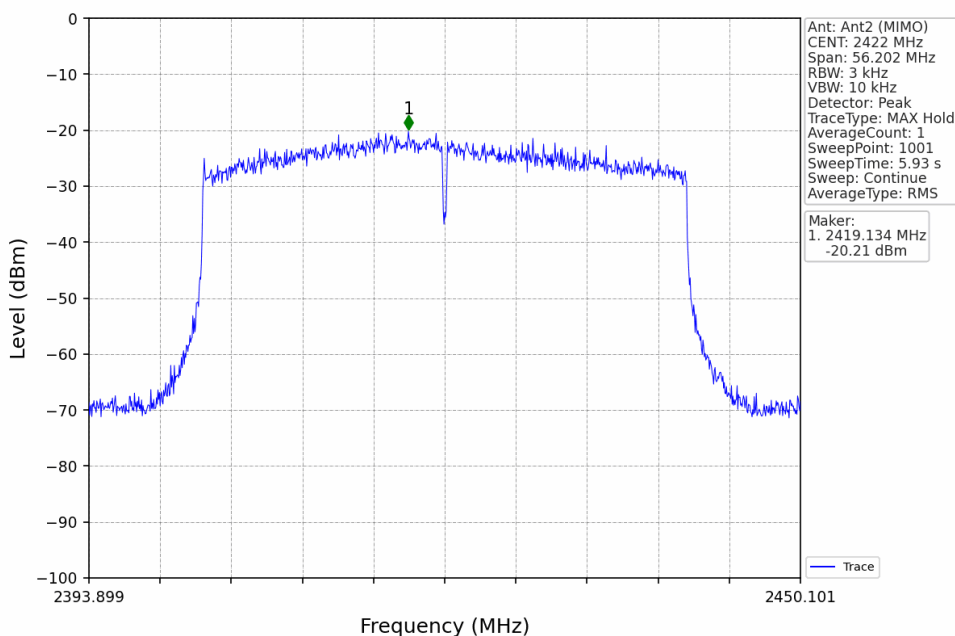
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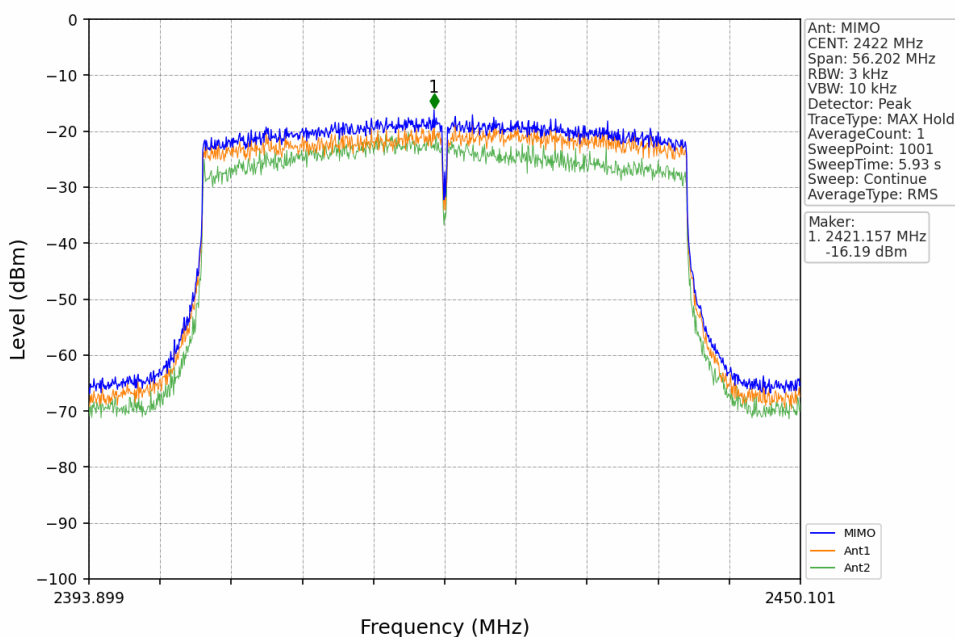
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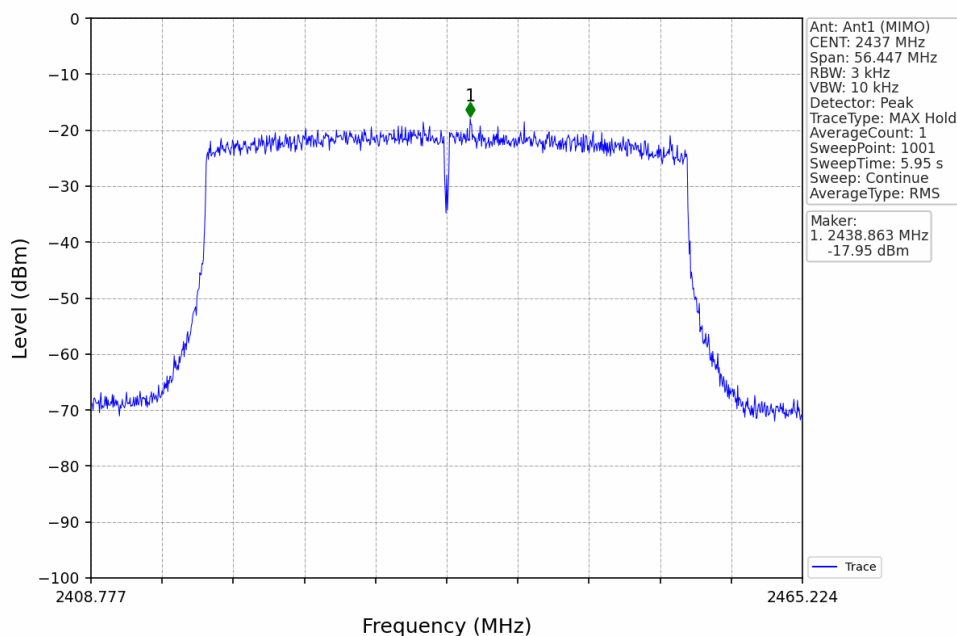
802.11ax(HEW40)\_LCH\_2422MHz\_RU484\_Left\_Ant2 (MIMO)\_NTNV



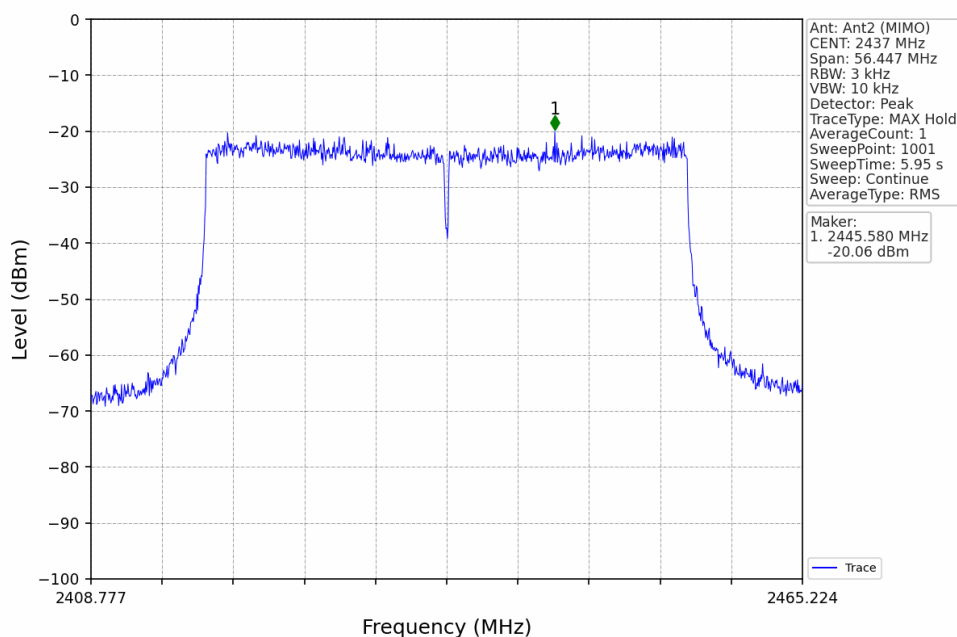
802.11ax(HEW40)\_LCH\_2422MHz\_RU484\_Left\_MIMO\_NTNV



### 802.11ax(HEW40)\_MCH\_2437MHz\_RU484\_Left\_Ant1 (MIMO)\_NTNV



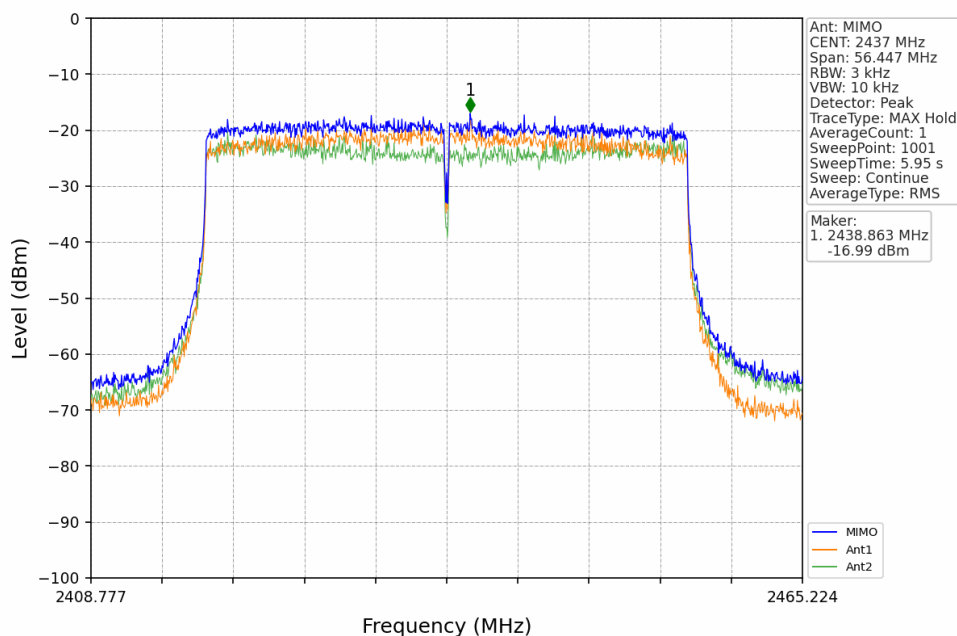
### 802.11ax(HEW40)\_MCH\_2437MHz\_RU484\_Left\_Ant2 (MIMO)\_NTNV



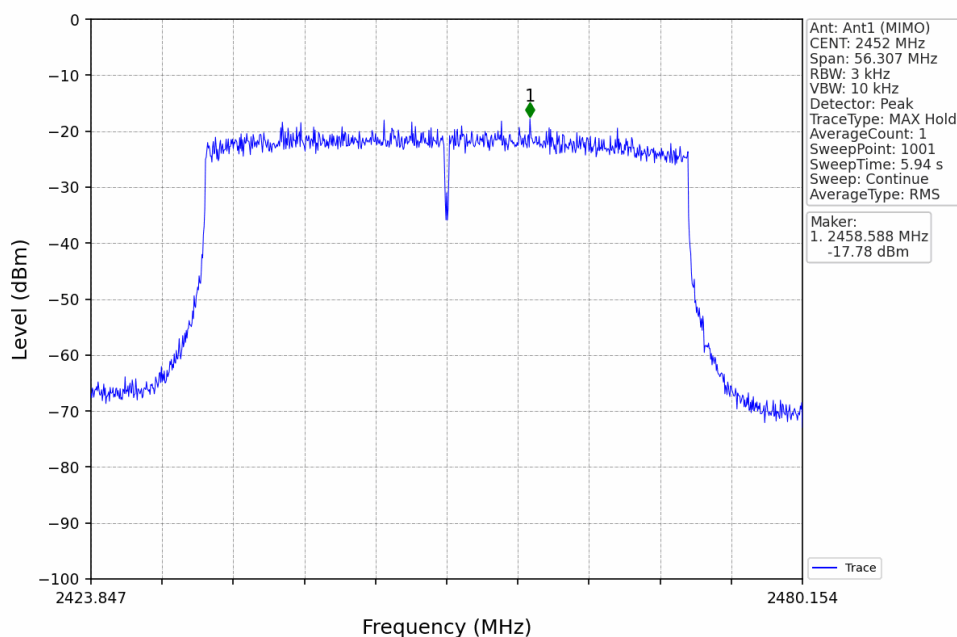
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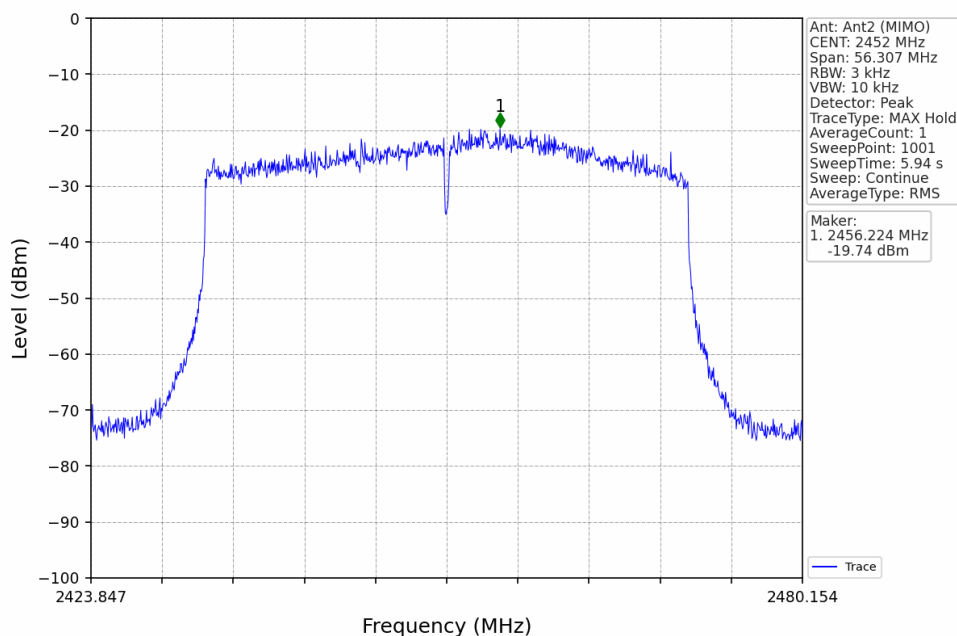
802.11ax(HEW40)\_MCH\_2437MHz\_RU484\_Left\_MIMO\_NTNV



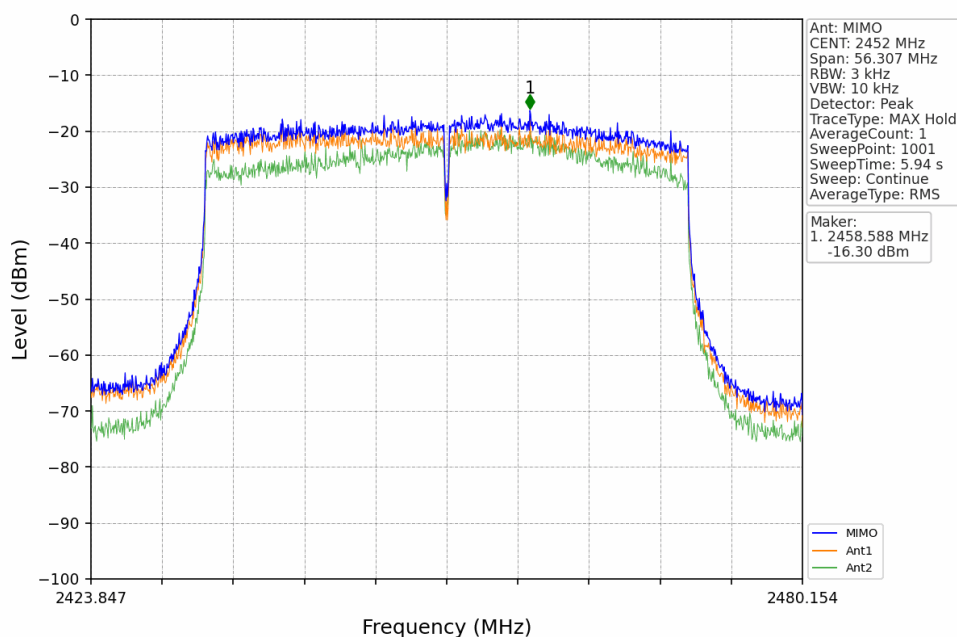
802.11ax(HEW40)\_HCH\_2452MHz\_RU484\_Left\_Ant1 (MIMO)\_NTNV



802.11ax(HEW40)\_HCH\_2452MHz\_RU484\_Left\_Ant2 (MIMO)\_NTNV



802.11ax(HEW40)\_HCH\_2452MHz\_RU484\_Left\_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)	RU	RU Pos	ANT	Level of Reference (dBm)
802.11b	SISO	2412	/	/	1	8.50
					2	8.99
		2437	/	/	1	8.20
					2	8.57
		2462	/	/	1	8.43
					2	8.94
802.11g	SISO	2412	/	/	1	5.17
					2	6.19
		2437	/	/	1	4.00
					2	5.38
		2462	/	/	1	4.47
					2	5.98
802.11n (HT20)	MIMO	2412	/	/	1	2.31
					2	-0.63
		2437	/	/	1	2.29
					2	-0.91
		2462	/	/	1	1.73
					2	0.37
802.11n (HT40)	MIMO	2422	/	/	1	-1.17
					2	-1.71
		2437	/	/	1	-1.02
					2	-3.11
		2452	/	/	1	-0.57
					2	-2.39
802.11ax (HEW20)	MIMO	2412	RU242	Left	1	0.03
					2	-2.48
		2437	RU242	Left	1	-0.39
					2	-3.05
		2462	RU242	Left	1	-0.32
					2	-1.74
802.11ax	MIMO	2422	RU484	Left	1	-2.85



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(HEW40)					2	-4.54
					1	-3.36
		2437	RU484	Left	2	-5.20
					1	-3.41
		2452	RU484	Left	2	-4.12



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### 5.1.2 CSE

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	/	/	1	8.29	-21.71	Pass
					2	8.78	-21.22	Pass
		2437	/	/	1	8.29	-21.71	Pass
					2	8.78	-21.22	Pass
		2462	/	/	1	8.29	-21.71	Pass
					2	8.78	-21.22	Pass
802.11g	SISO	2412	/	/	1	4.97	-25.03	Pass
					2	5.98	-24.02	Pass
		2437	/	/	1	4.97	-25.03	Pass
					2	5.98	-24.02	Pass
		2462	/	/	1	4.97	-25.03	Pass
					2	5.98	-24.02	Pass
802.11n (HT20)	MIMO	2412	/	/	1	2.31	-27.69	Pass
					2	0.37	-29.63	Pass
		2437	/	/	1	2.31	-27.69	Pass
					2	0.37	-29.63	Pass
		2462	/	/	1	2.31	-27.69	Pass
					2	0.37	-29.63	Pass
802.11n (HT40)	MIMO	2422	/	/	1	-0.57	-30.57	Pass
					2	-1.71	-31.71	Pass
		2437	/	/	1	-0.57	-30.57	Pass
					2	-1.71	-31.71	Pass
		2452	/	/	1	-0.57	-30.57	Pass
					2	-1.71	-31.71	Pass
802.11ax (HEW20)	MIMO	2412	RU242	Left	1	0.03	-29.97	Pass
					2	-1.74	-31.74	Pass
		2437	RU242	Left	1	0.03	-29.97	Pass
					2	-1.74	-31.74	Pass
		2462	RU242	Left	1	0.03	-29.97	Pass
					2	-1.74	-31.74	Pass
802.11ax (HEW40)	MIMO	2422	RU484	Left	1	-2.85	-32.85	Pass
					2	-4.12	-34.12	Pass
		2437	RU484	Left	1	-2.85	-32.85	Pass
					2	-4.12	-34.12	Pass
		2452	RU484	Left	1	-2.85	-32.85	Pass
					2	-4.12	-34.12	Pass



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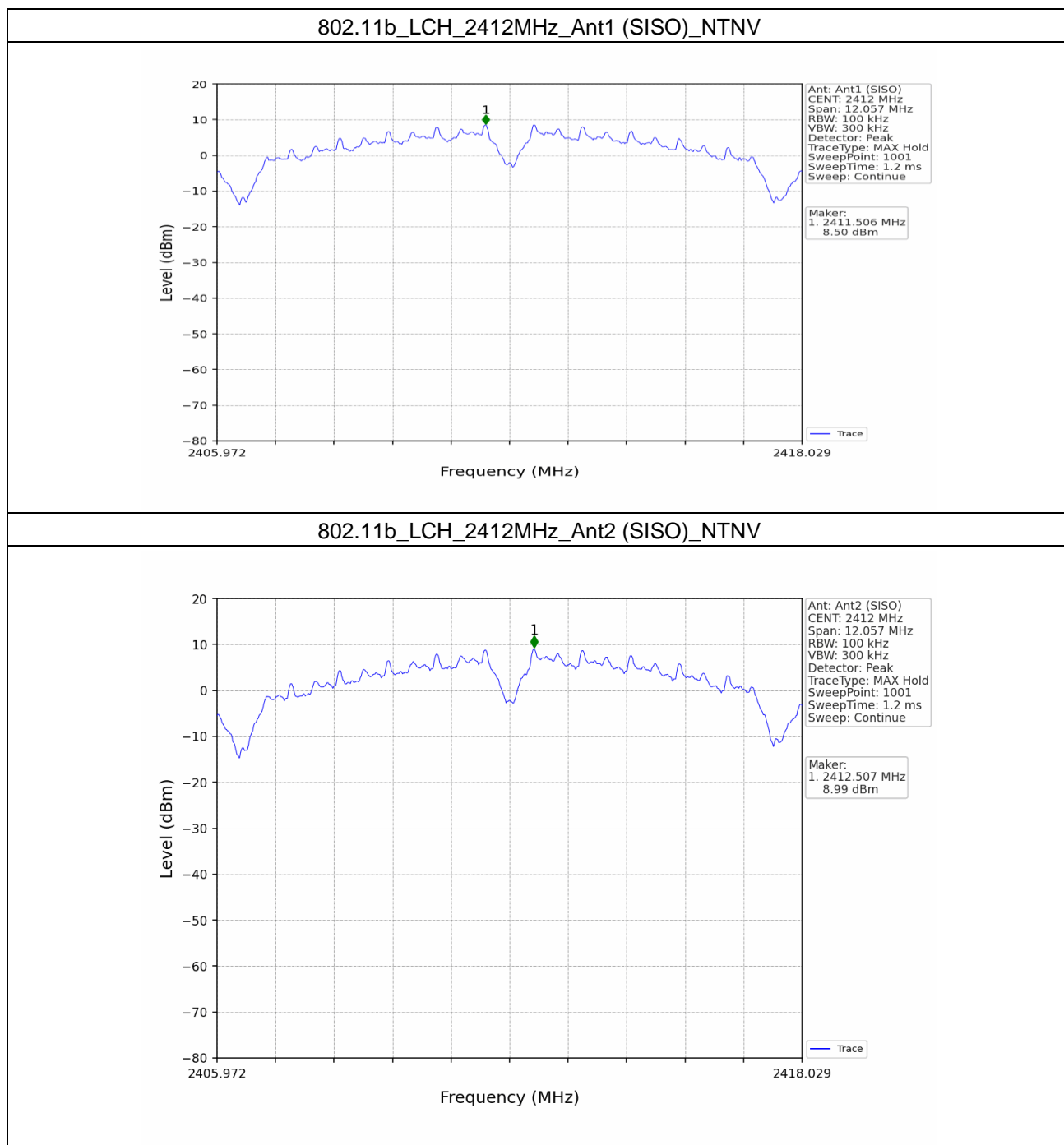
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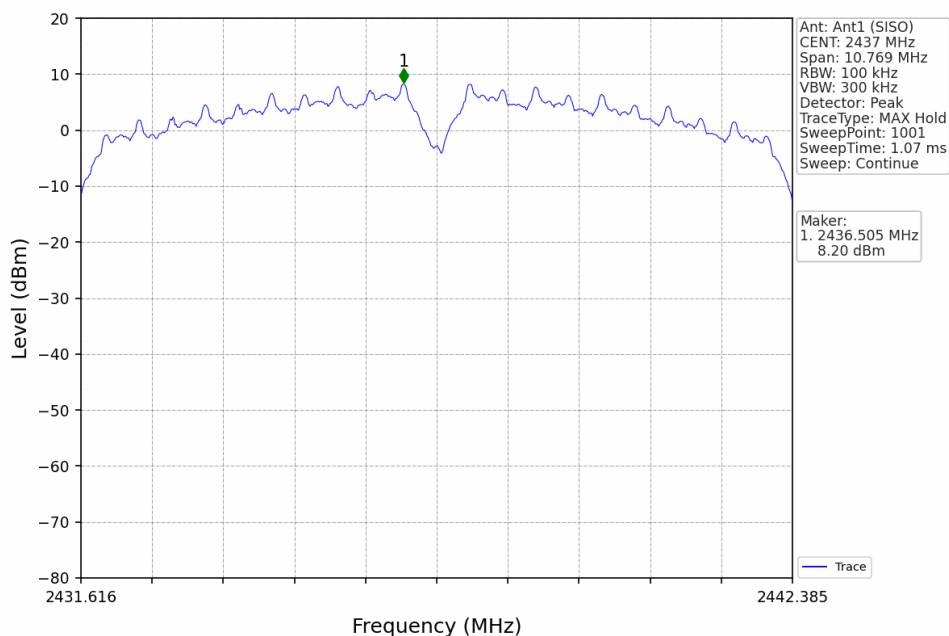
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### 5.2 Test Graph

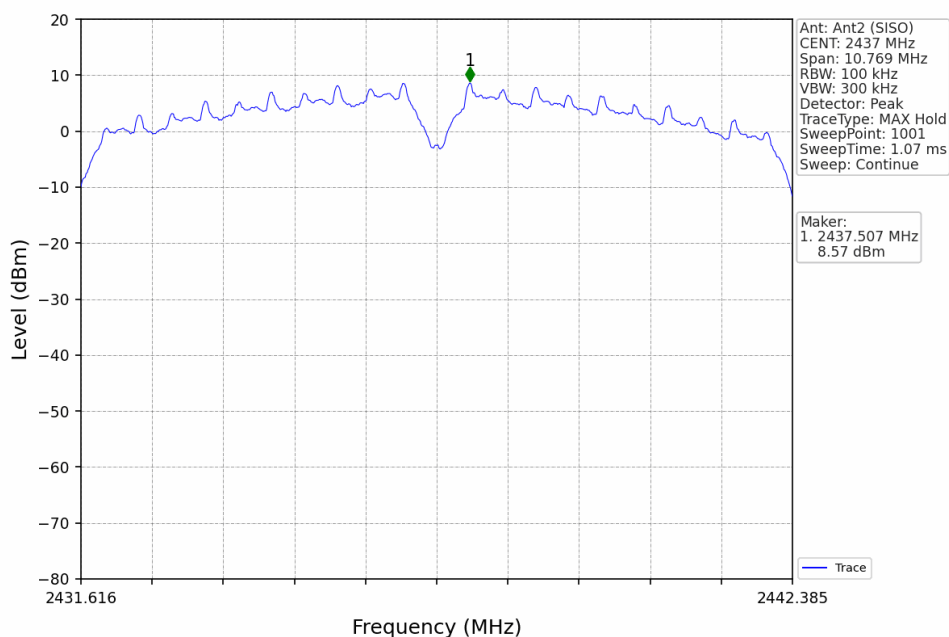
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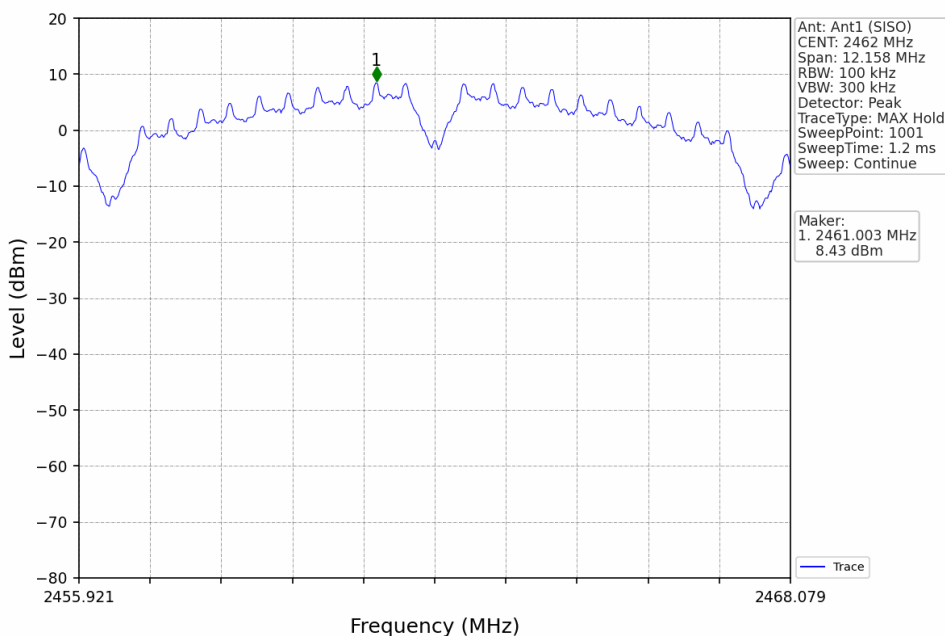
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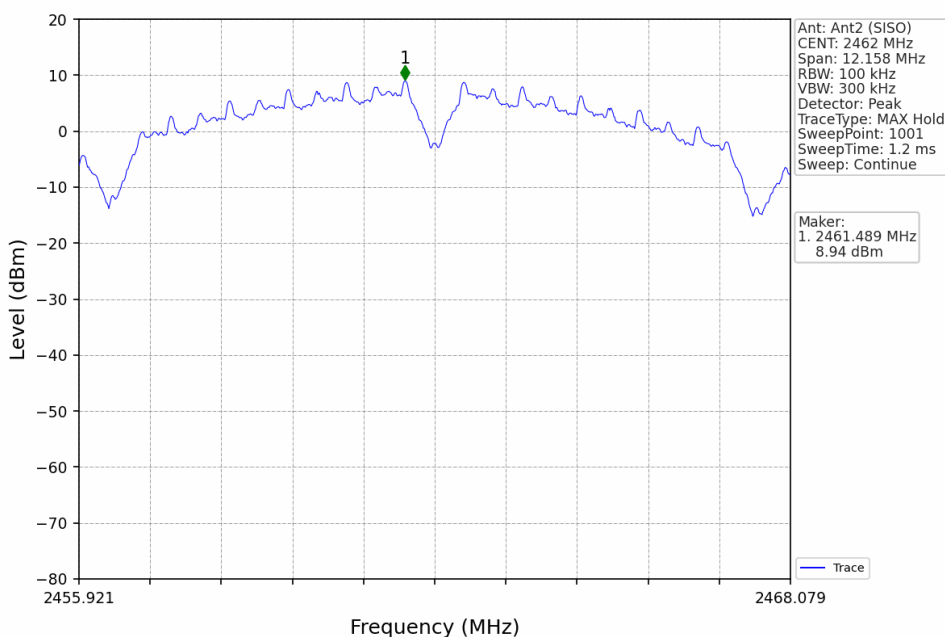
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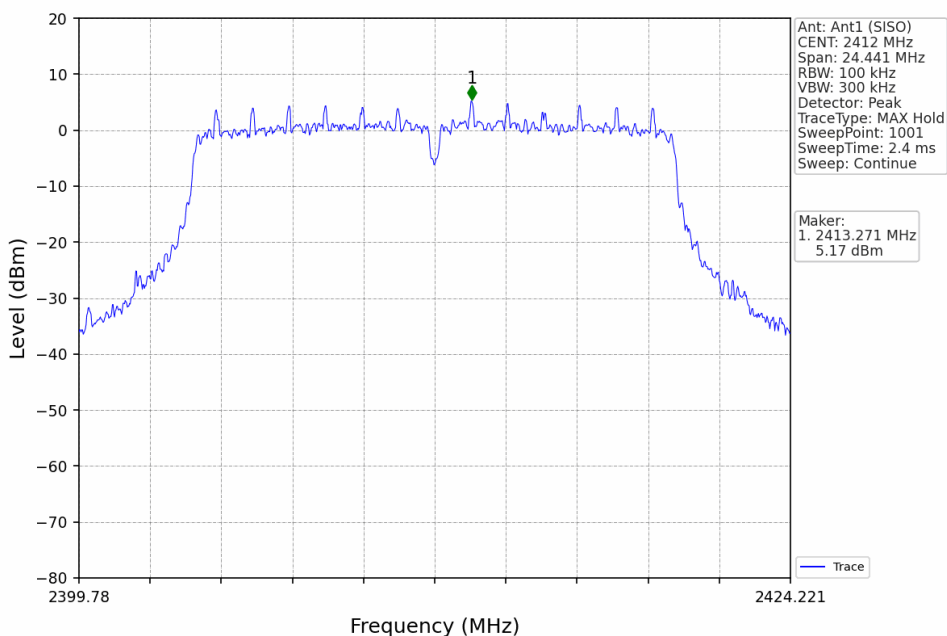
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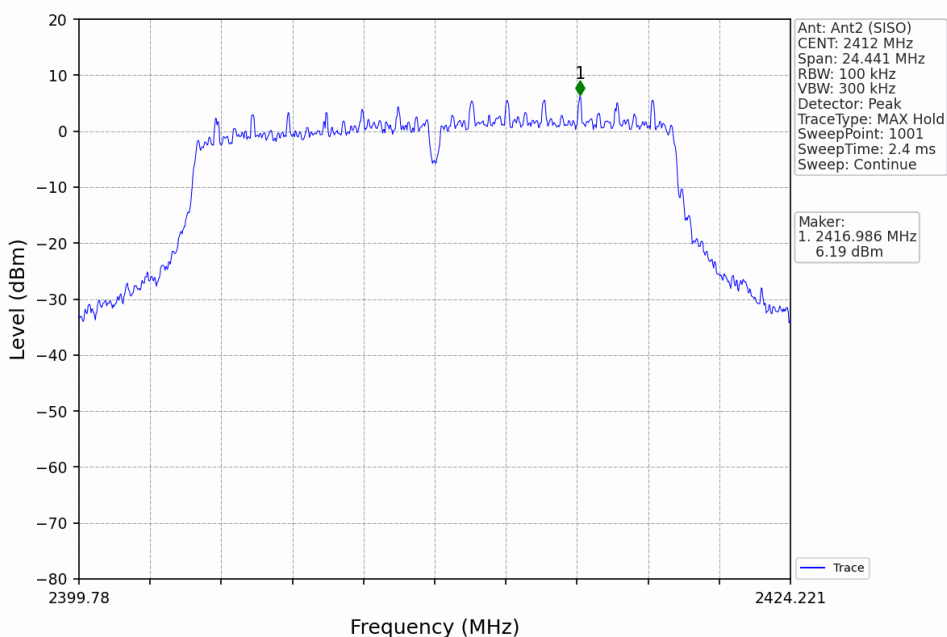
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802.11g\_LCH\_2412MHz\_Ant1 (SISO)\_NTNV



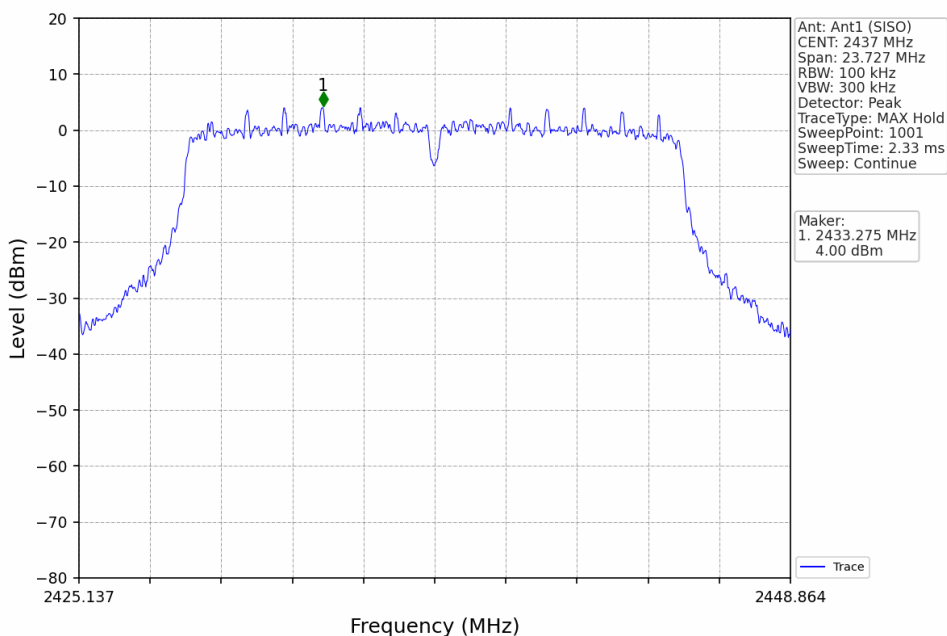
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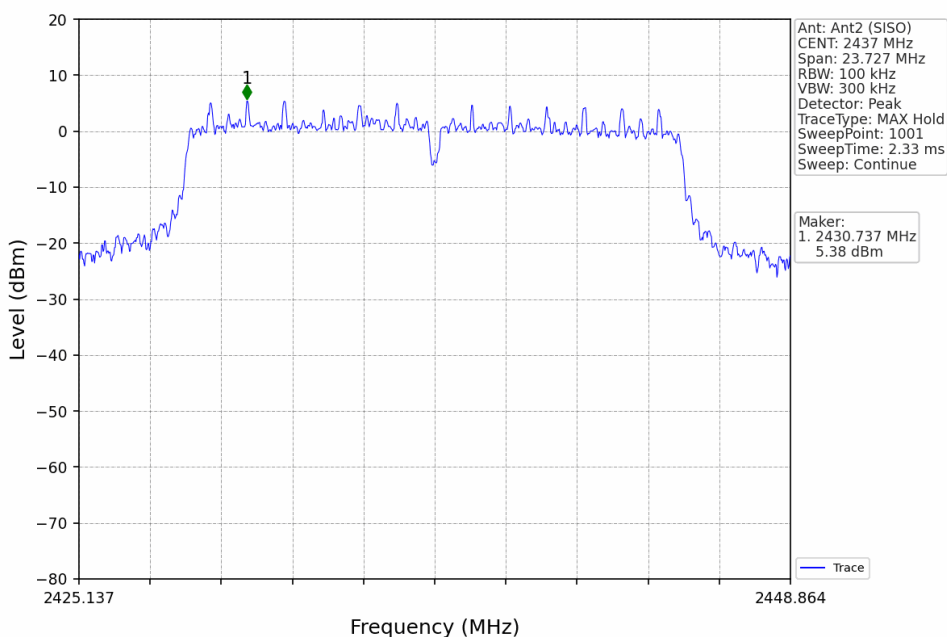
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802.11g\_MCH\_2437MHz\_Ant2 (SISO)\_NTNV



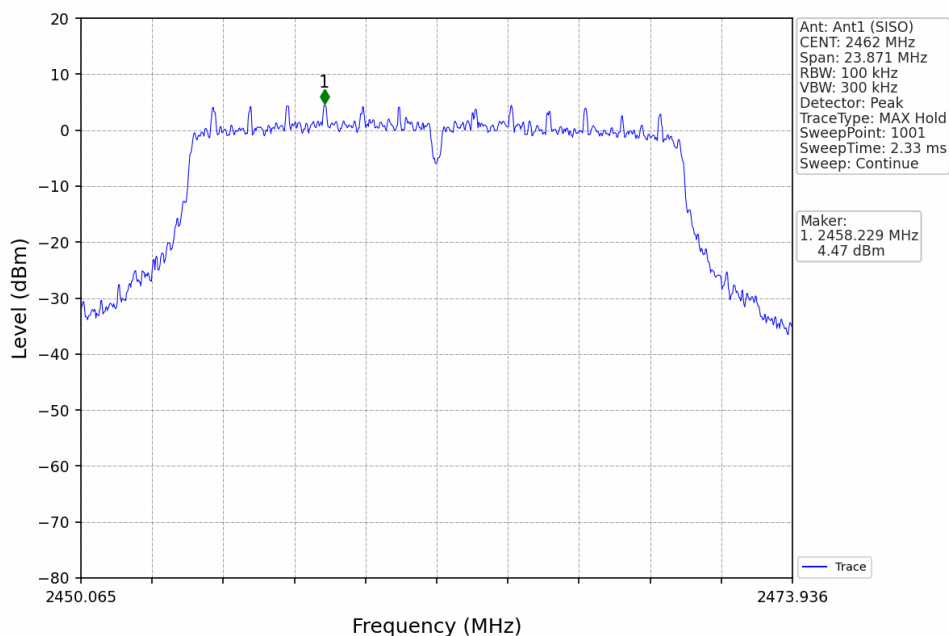
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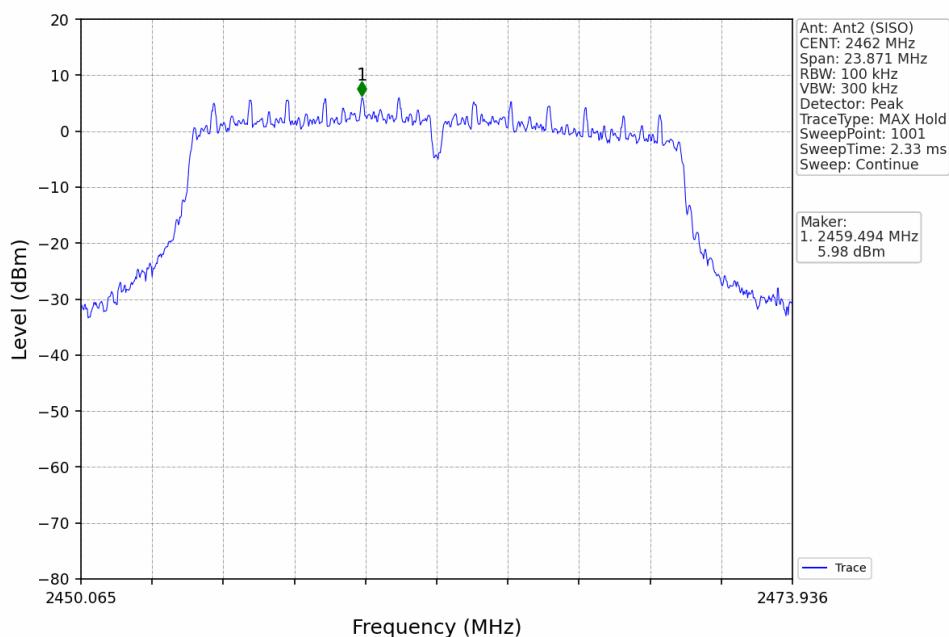
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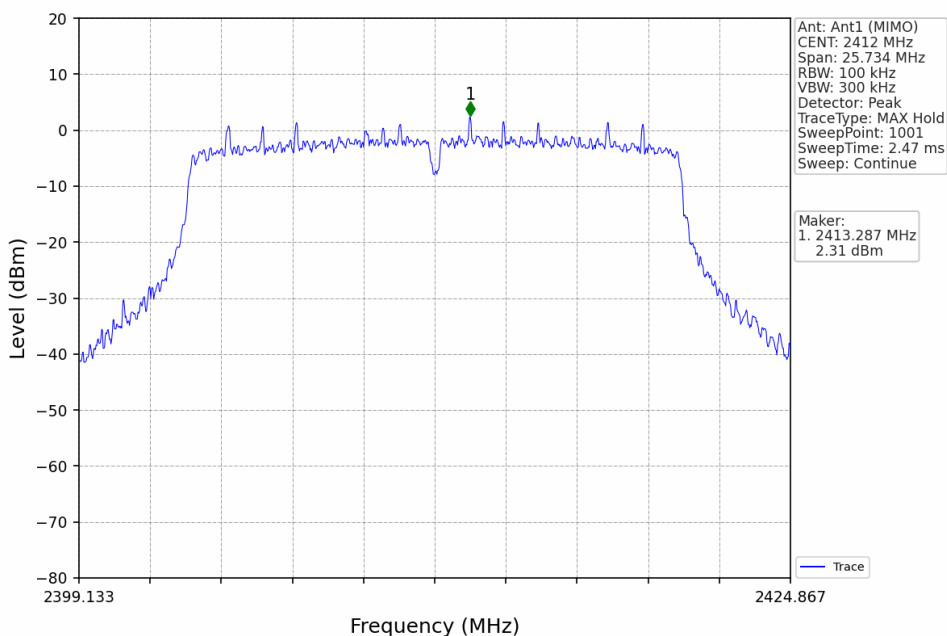
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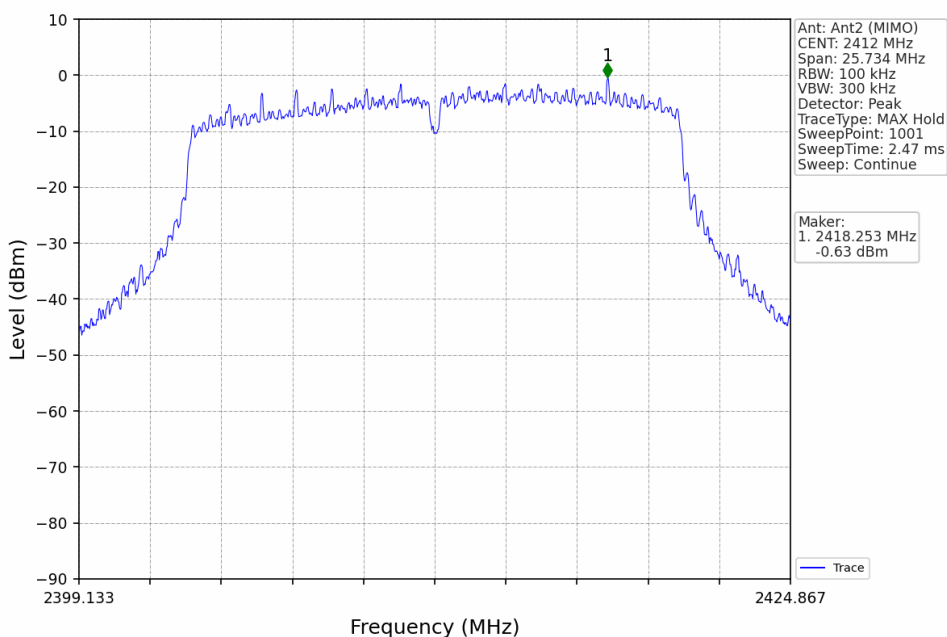
802.11g\_HCH\_2462MHz\_Ant2 (SISO)\_NTNV



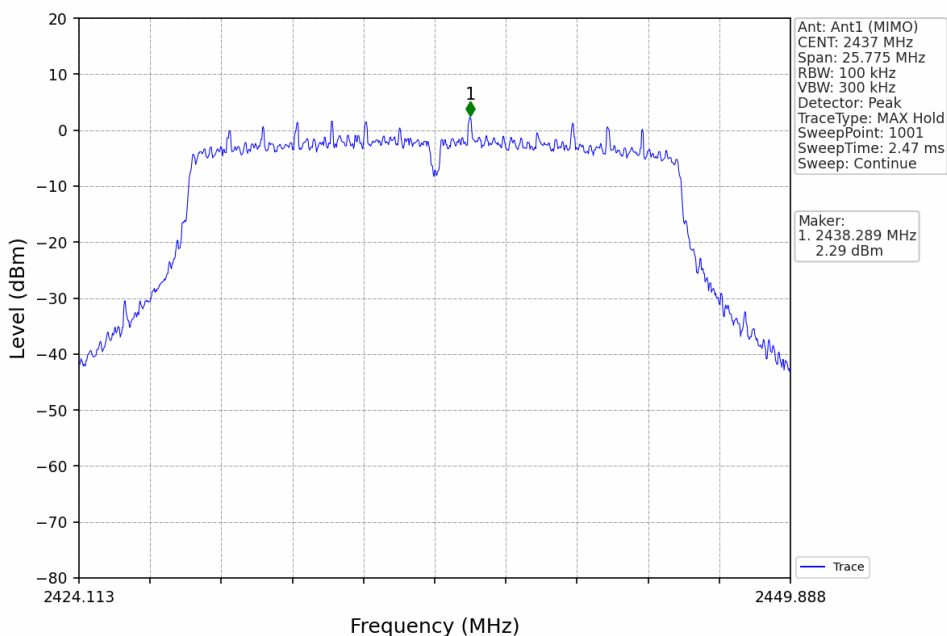
### 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (MIMO)\_NTNV



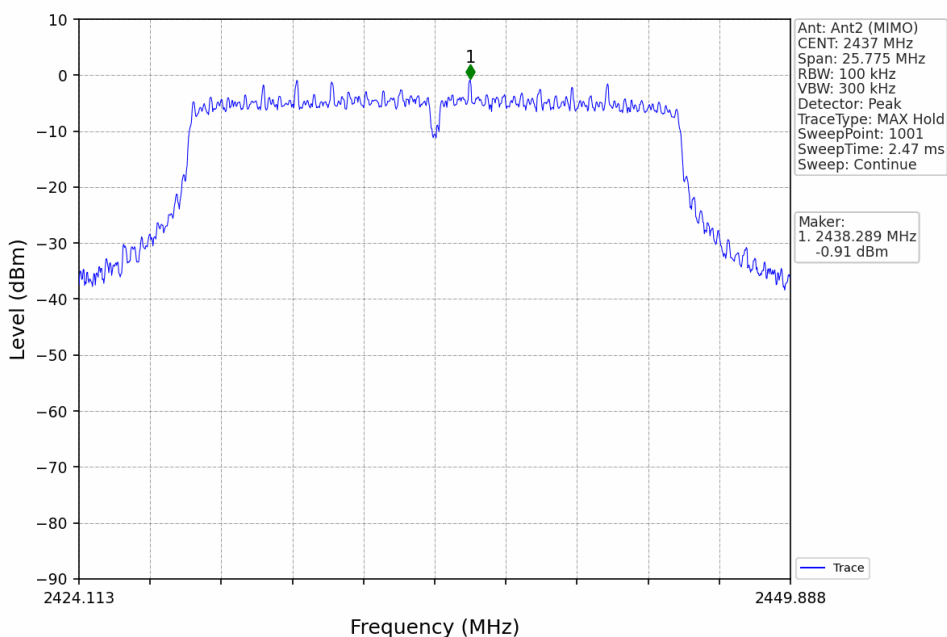
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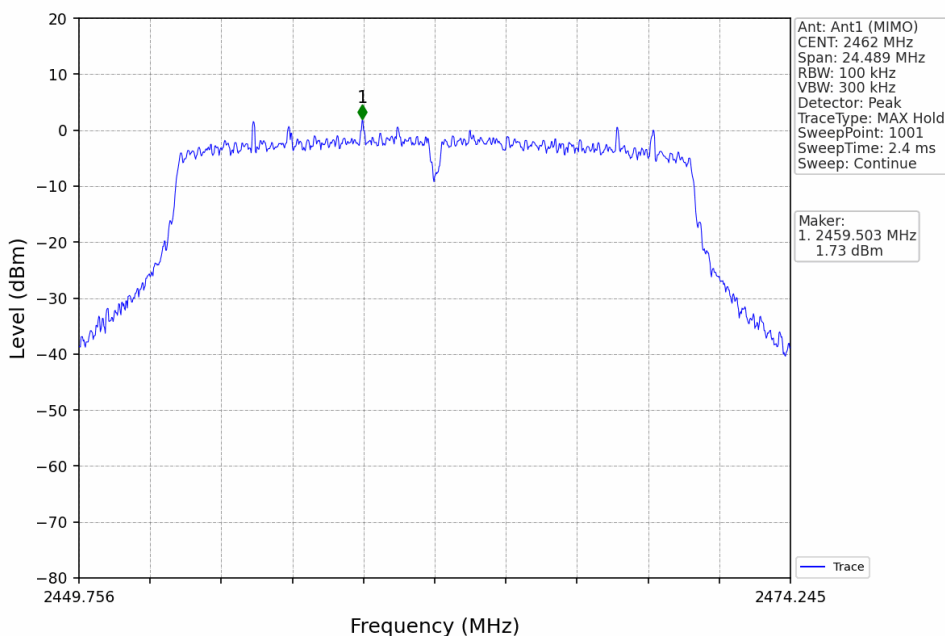
802.11n(HT20)\_MCH\_2437MHz\_Ant1 (MIMO)\_NTNV



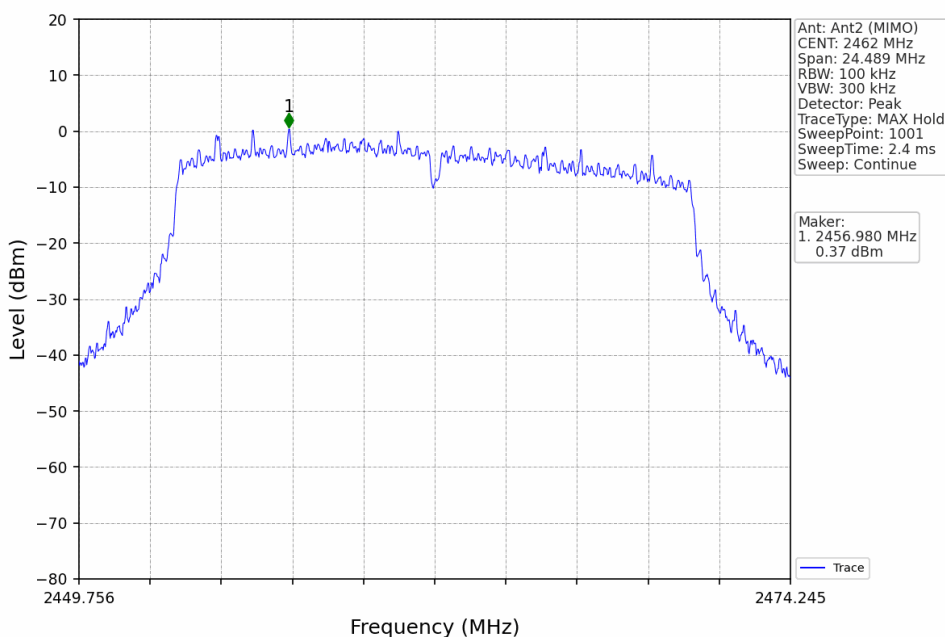
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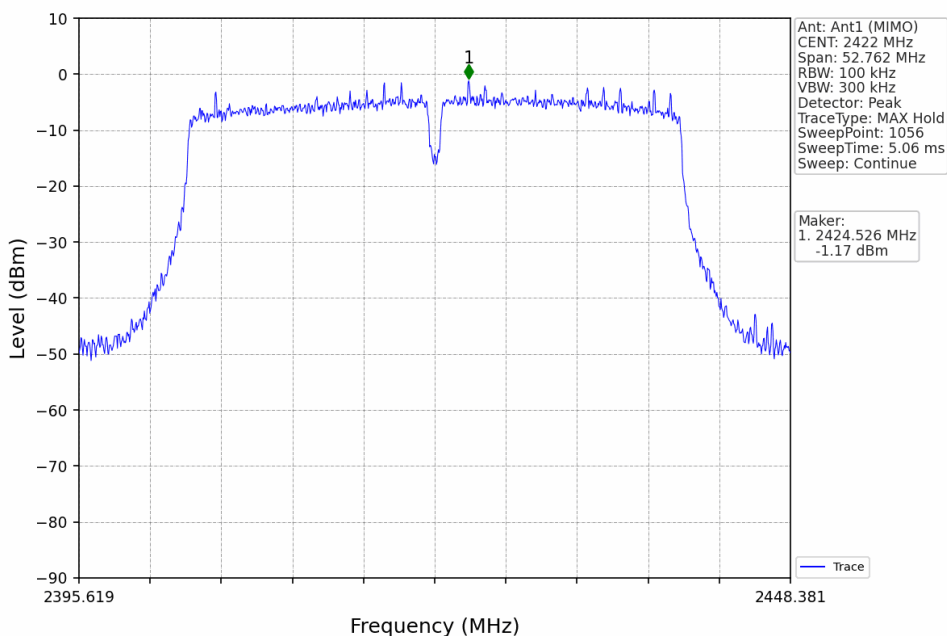
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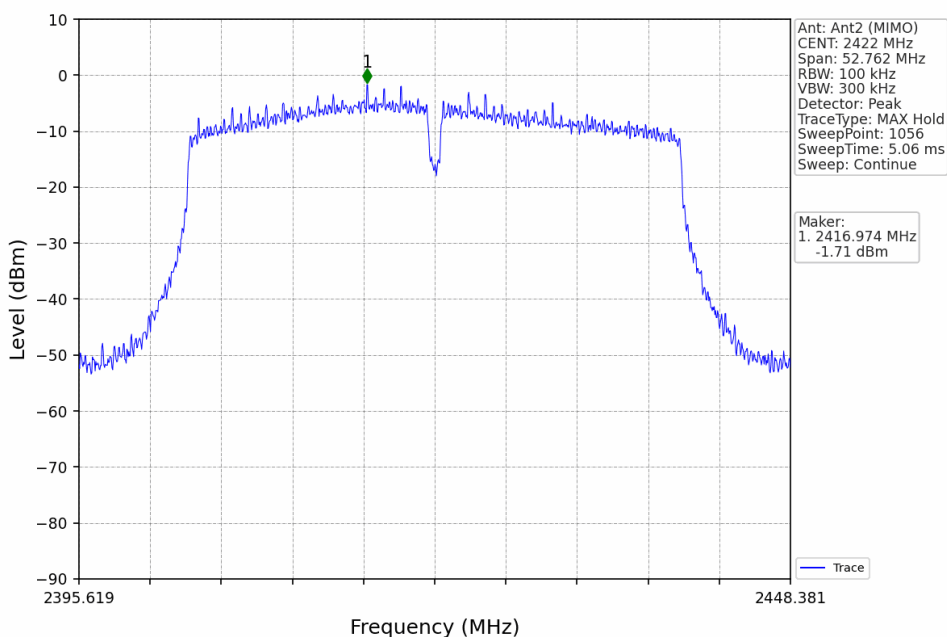
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802.11n(HT40)\_LCH\_2422MHz\_Ant1 (MIMO)\_NTNV



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



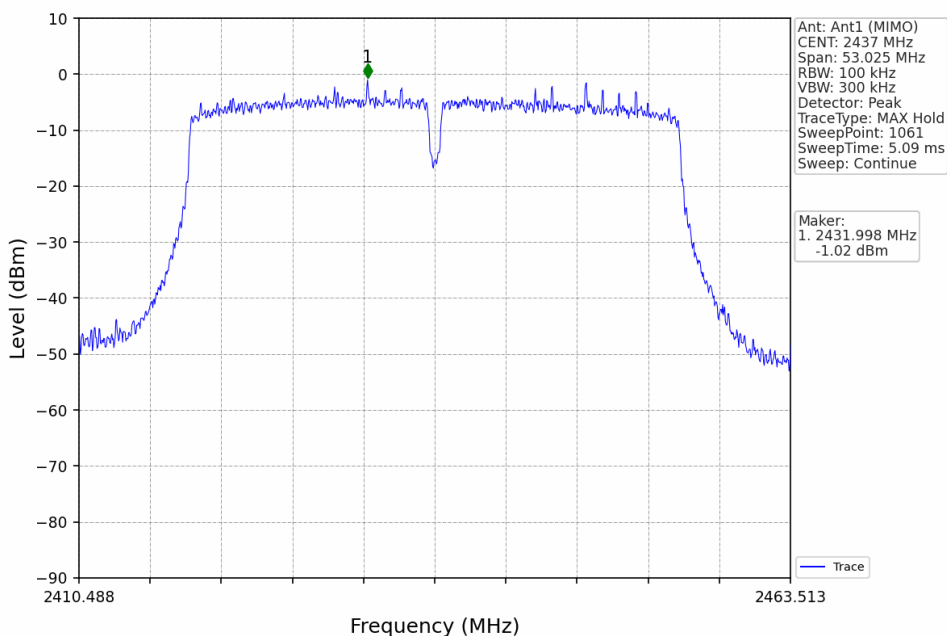
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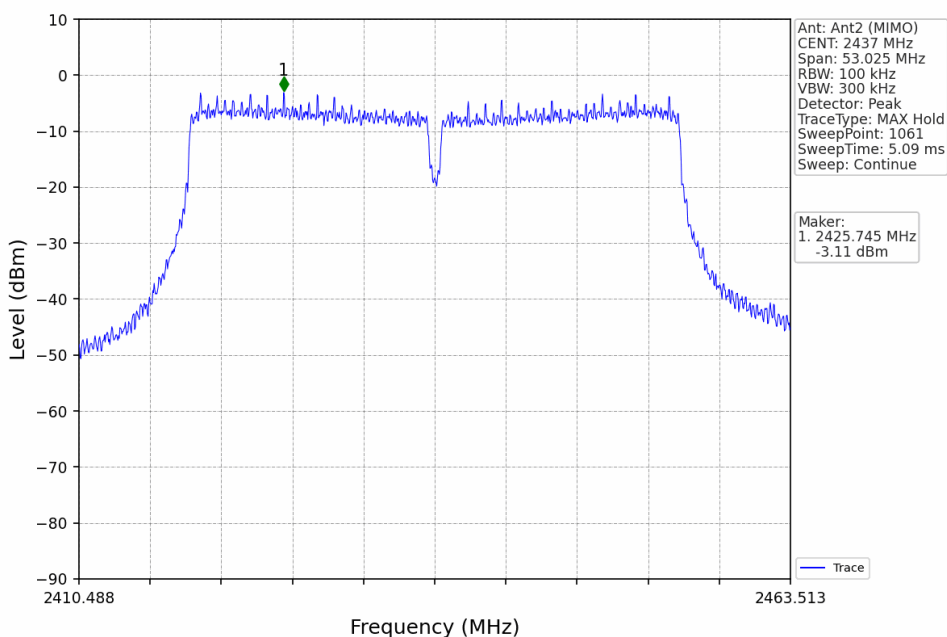
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802.11n(HT40)\_MCH\_2437MHz\_Ant2 (MIMO)\_NTNV



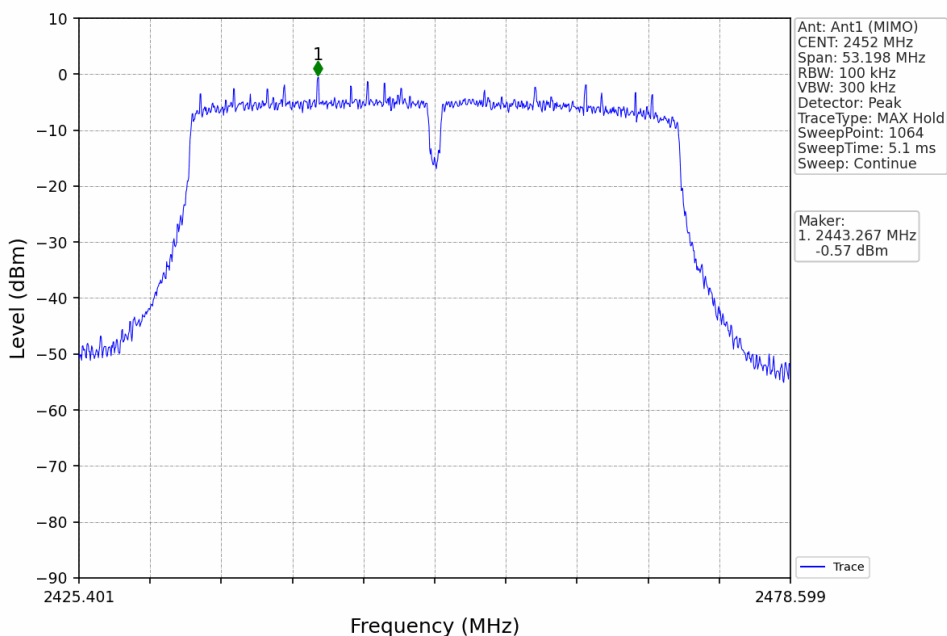
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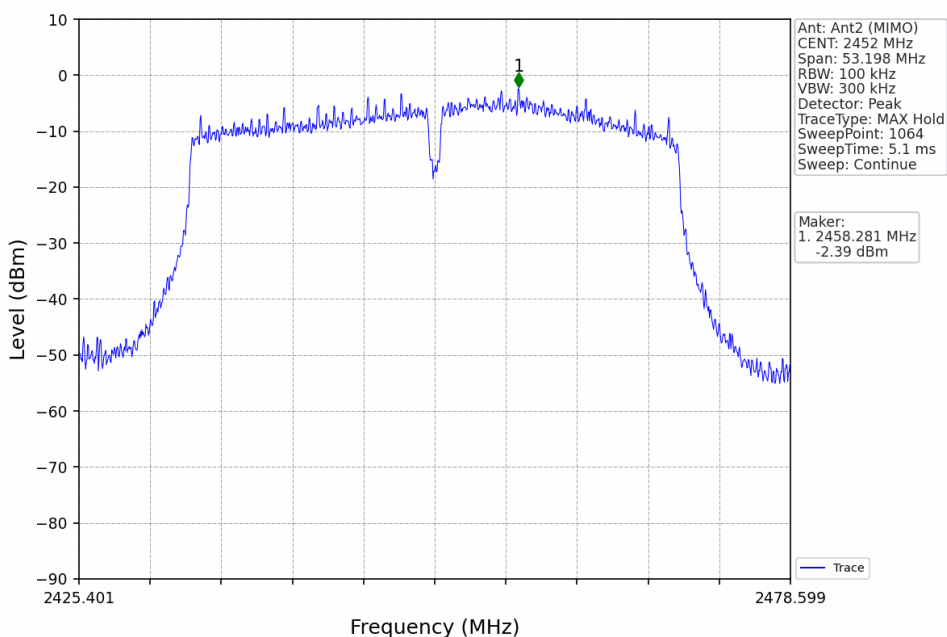
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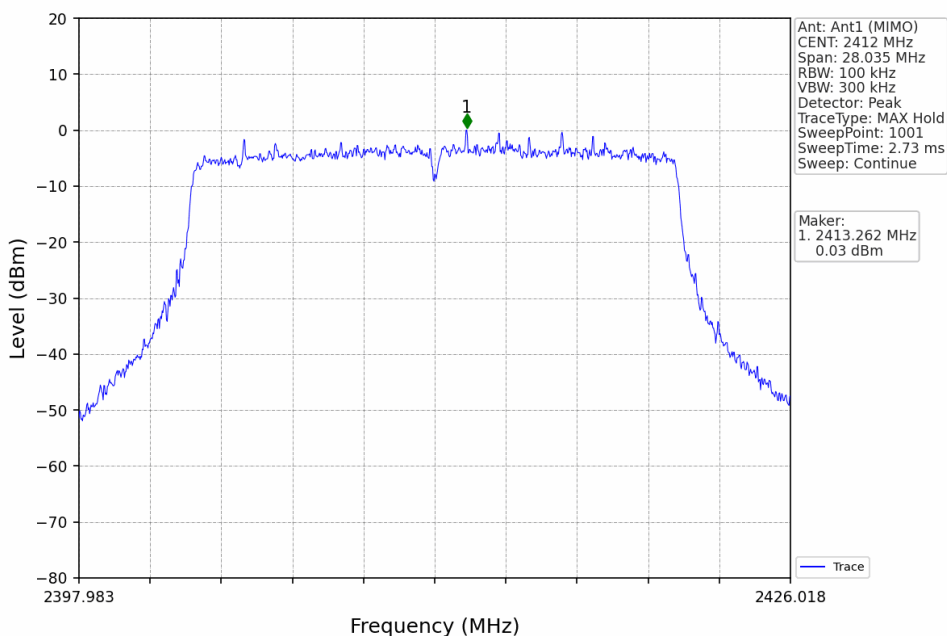
### 802.11n(HT40)\_HCH\_2452MHz\_Ant1 (MIMO)\_NTNV



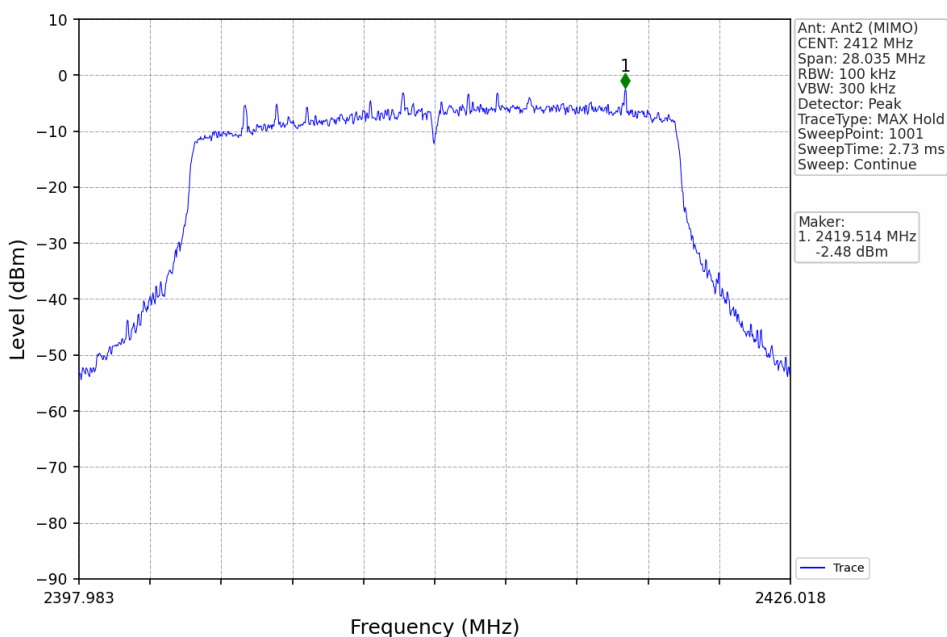
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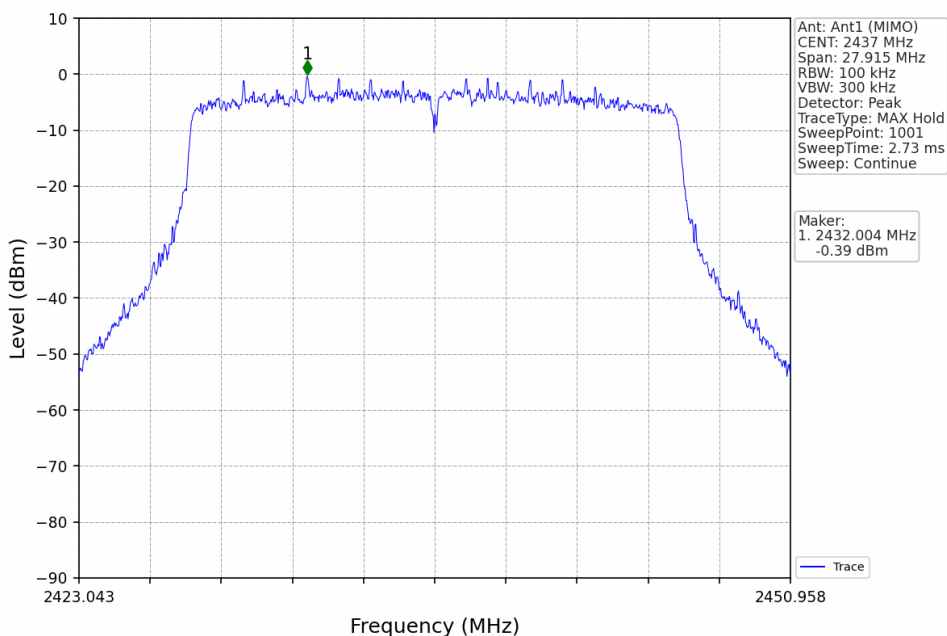
### 802.11ax(HEW20)\_LCH\_2412MHz\_RU242\_Left\_Ant1 (MIMO)\_NTNV



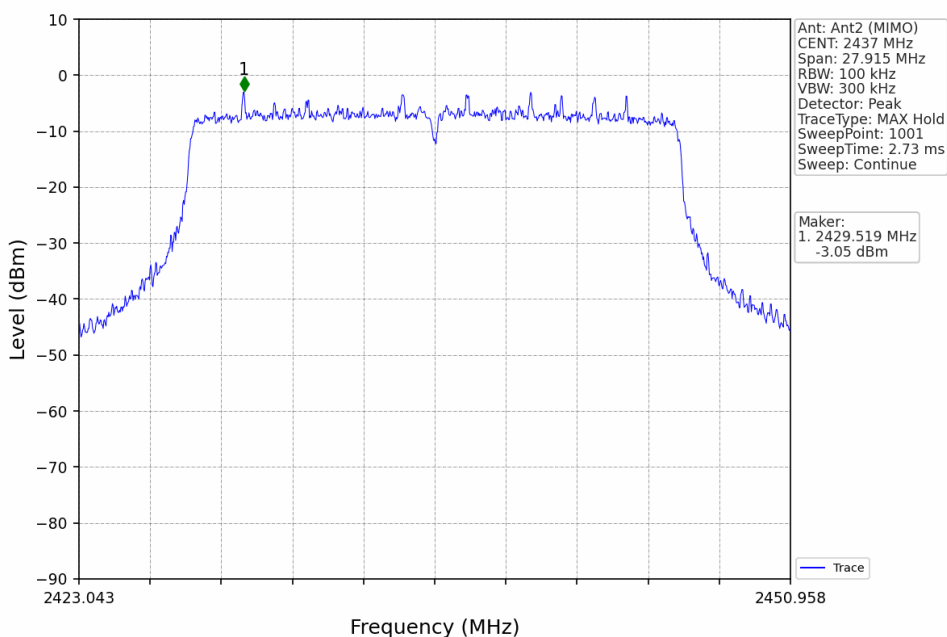
### 802.11ax(HEW20)\_LCH\_2412MHz\_RU242\_Left\_Ant2 (MIMO)\_NTNV



### 802.11ax(HEW20)\_MCH\_2437MHz\_RU242\_Left\_Ant1 (MIMO)\_NTNV



### 802.11ax(HEW20)\_MCH\_2437MHz\_RU242\_Left\_Ant2 (MIMO)\_NTNV



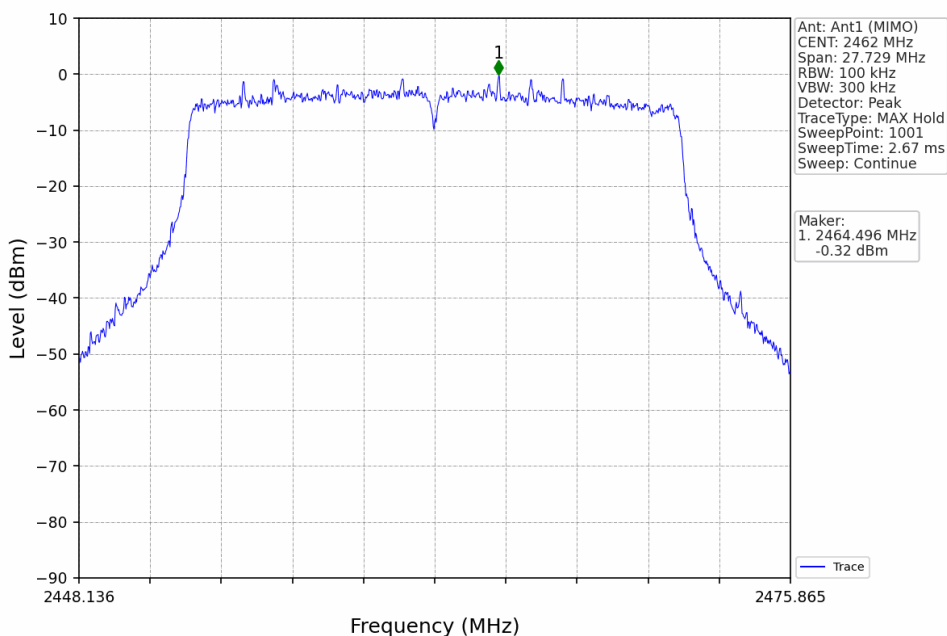
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### 802.11ax(HEW20)\_HCH\_2462MHz\_RU242\_Left\_Ant1 (MIMO)\_NTNV



### 802.11ax(HEW20)\_HCH\_2462MHz\_RU242\_Left\_Ant2 (MIMO)\_NTNV

