

### 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	2.02
					2	1.82
		2437	/	/	1	-0.95
					2	-1.19
		2462	/	/	1	-1.52
					2	-1.51
802.11g	SISO	2412	/	/	1	-7.87
					2	-7.40
		2437	/	/	1	-6.70
					2	-6.83
		2462	/	/	1	-7.32
					2	-8.09
802.11n (HT20)	MIMO	2412	/	/	1	-6.89
					2	-6.86
		2437	/	/	1	-7.81
					2	-6.91
		2462	/	/	1	-6.73
					2	-7.38
802.11n (HT40)	MIMO	2422	/	/	1	-10.05
					2	-10.07
		2437	/	/	1	-9.84
					2	-10.05
		2452	/	/	1	-9.44
					2	-9.84
802.11ax (HEW20)	MIMO	2412	RU242	Left	1	-7.18
					2	-6.56
		2437	RU242	Left	1	-7.09
					2	-6.98
		2462	RU242	Left	1	-8.26
					2	-7.88
802.11ax (HEW40)	MIMO	2422	RU484	Left	1	-10.31
					2	-10.14



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EMC-TRF-01 Rev 1.1

Report No.: GZCR241000117102

Page: 122 of 171

		2437	RU484	Left	1	-9.13
					2	-9.66
		2452	RU484	Left	1	-10.45
					2	-10.36

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)	RU	RU Pos	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	/	/	1	2.02	-17.98	Pass
					2	1.82	-18.18	Pass
		2437	/	/	1	2.02	-17.98	Pass
					2	1.82	-18.18	Pass
		2462	/	/	1	2.02	-17.98	Pass
					2	1.82	-18.18	Pass
802.11g	SISO	2412	/	/	1	-6.70	-26.70	Pass
					2	-6.83	-26.83	Pass
		2437	/	/	1	-6.70	-26.70	Pass
					2	-6.83	-26.83	Pass
		2462	/	/	1	-6.70	-26.70	Pass
					2	-6.83	-26.83	Pass
802.11n (HT20)	MIMO	2412	/	/	1	-6.73	-26.73	Pass
					2	-6.86	-26.86	Pass
		2437	/	/	1	-6.73	-26.73	Pass
					2	-6.86	-26.86	Pass
		2462	/	/	1	-6.73	-26.73	Pass
					2	-6.86	-26.86	Pass
802.11n (HT40)	MIMO	2422	/	/	1	-9.44	-29.44	Pass
					2	-9.84	-29.84	Pass
		2437	/	/	1	-9.44	-29.44	Pass
					2	-9.84	-29.84	Pass
		2452	/	/	1	-9.44	-29.44	Pass
					2	-9.84	-29.84	Pass
802.11ax (HEW20)	MIMO	2412	RU242	Left	1	-7.09	-27.09	Pass
					2	-6.56	-26.56	Pass
		2437	RU242	Left	1	-7.09	-27.09	Pass
					2	-6.56	-26.56	Pass
		2462	RU242	Left	1	-7.09	-27.09	Pass
					2	-6.56	-26.56	Pass
802.11ax (HEW40)	MIMO	2422	RU484	Left	1	-9.13	-29.13	Pass
					2	-9.66	-29.66	Pass
		2437	RU484	Left	1	-9.13	-29.13	Pass
					2	-9.66	-29.66	Pass
		2452	RU484	Left	1	-9.13	-29.13	Pass
					2	-9.66	-29.66	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.



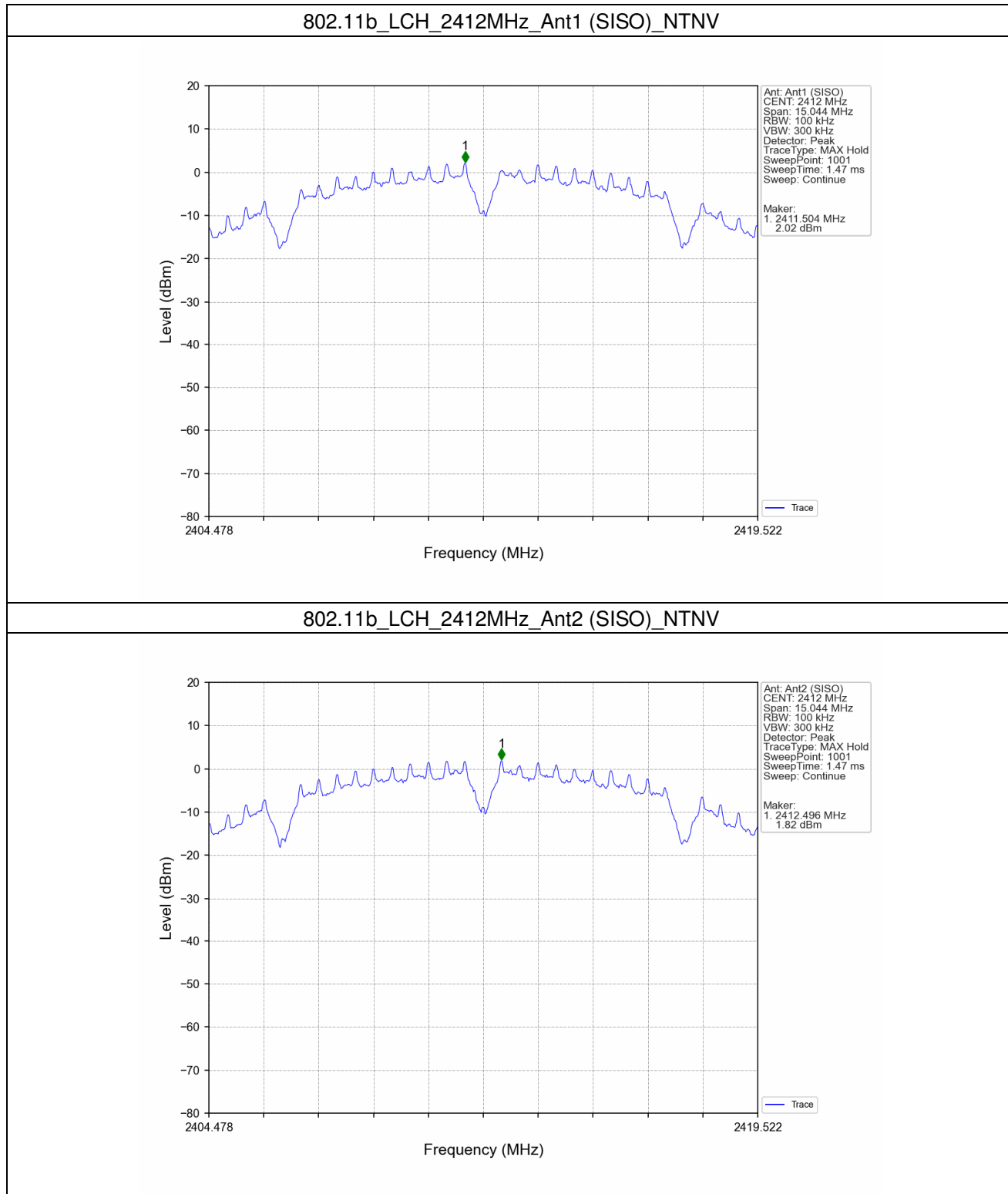
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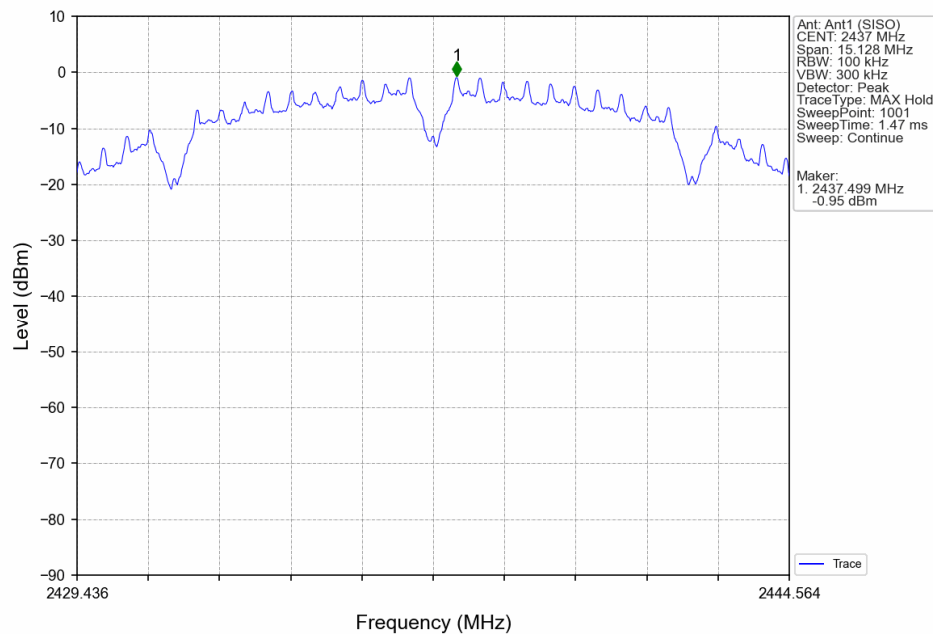
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### 5.2 Test Graph

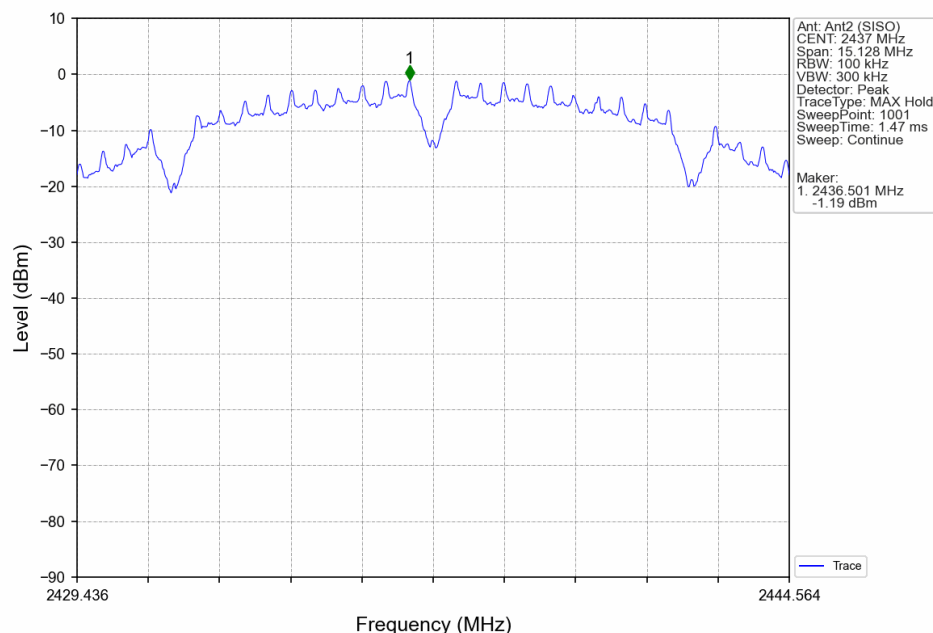
#### 5.2.1 Ref



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

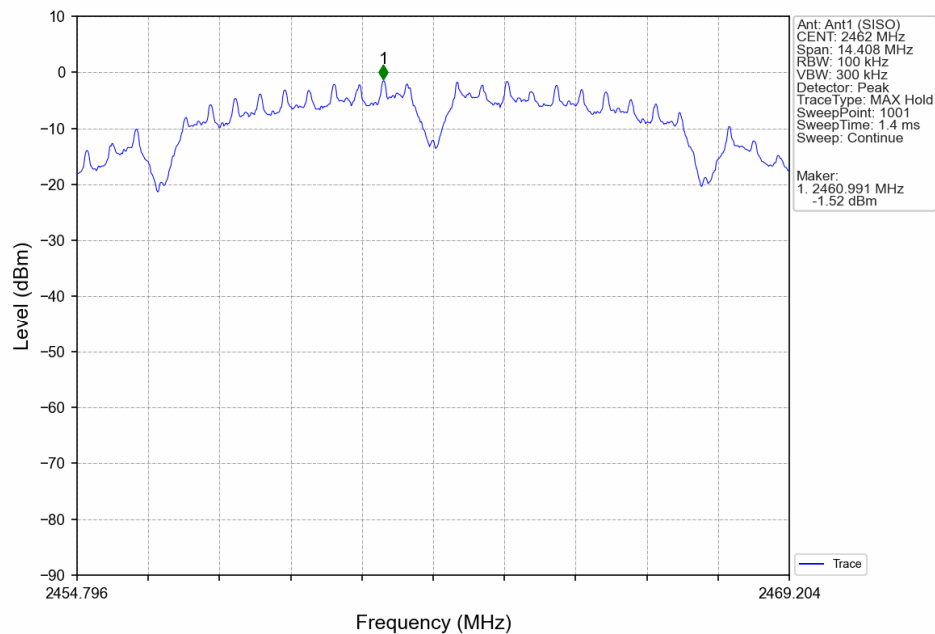


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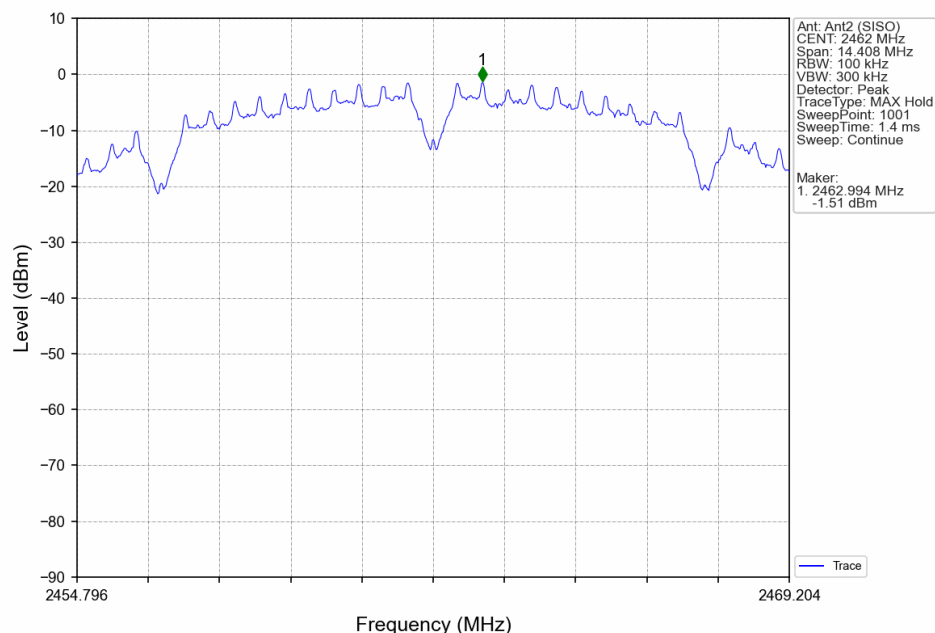




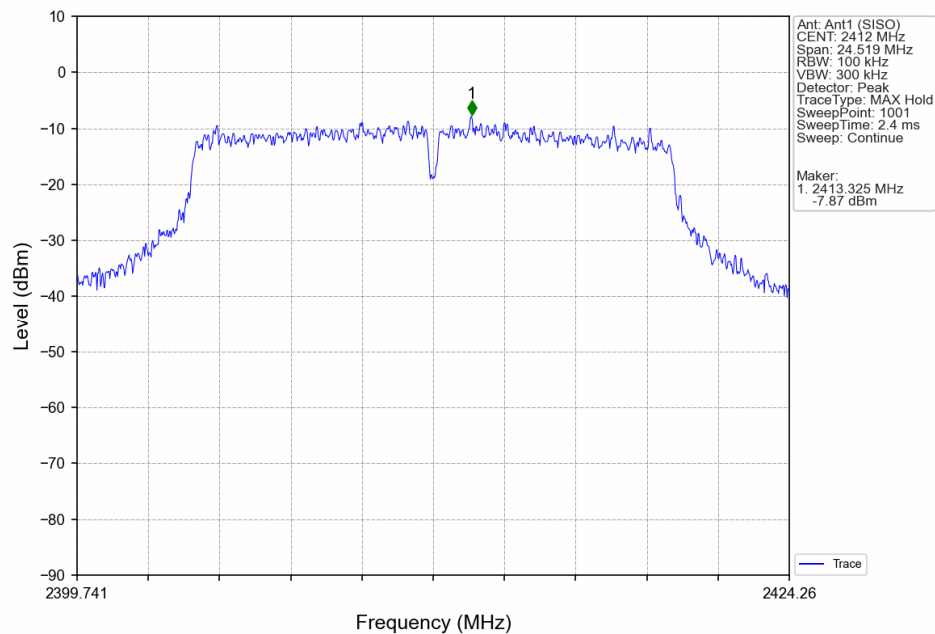
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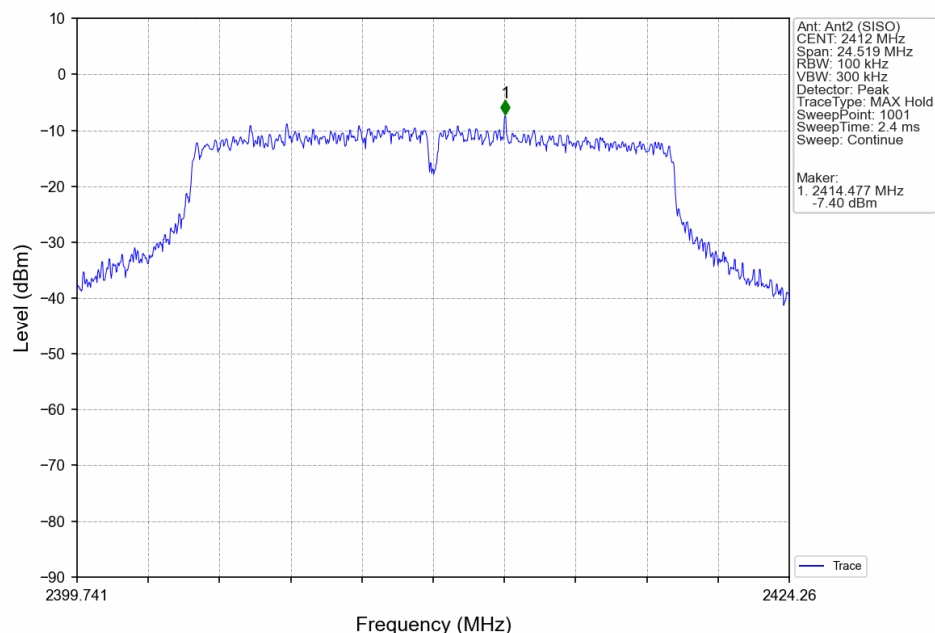
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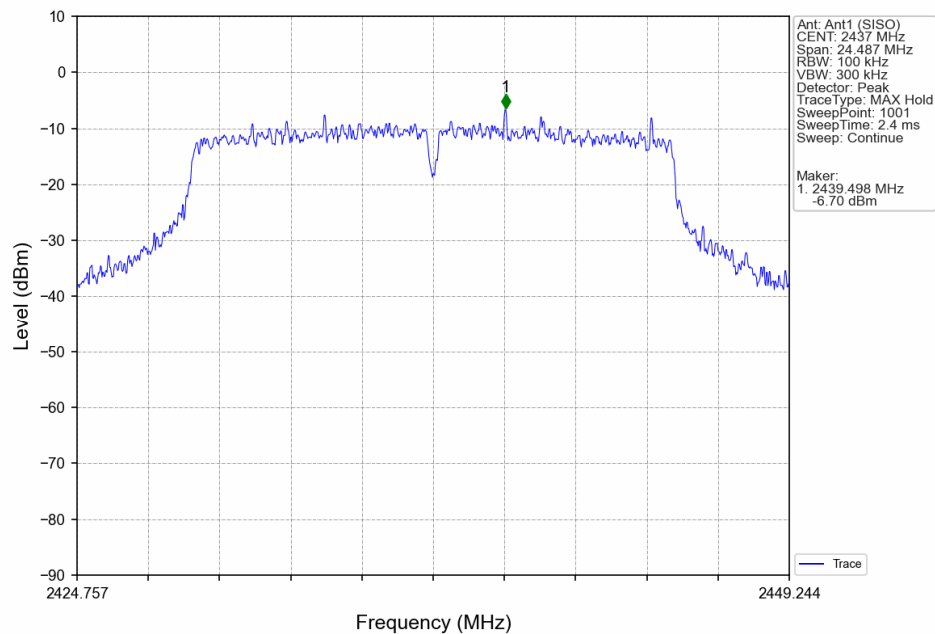
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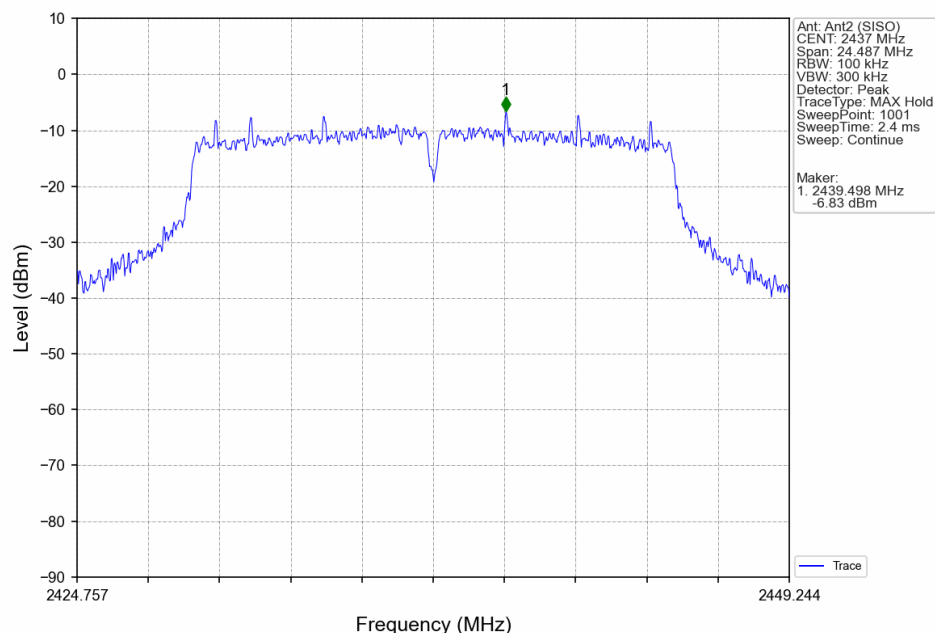
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### 802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV

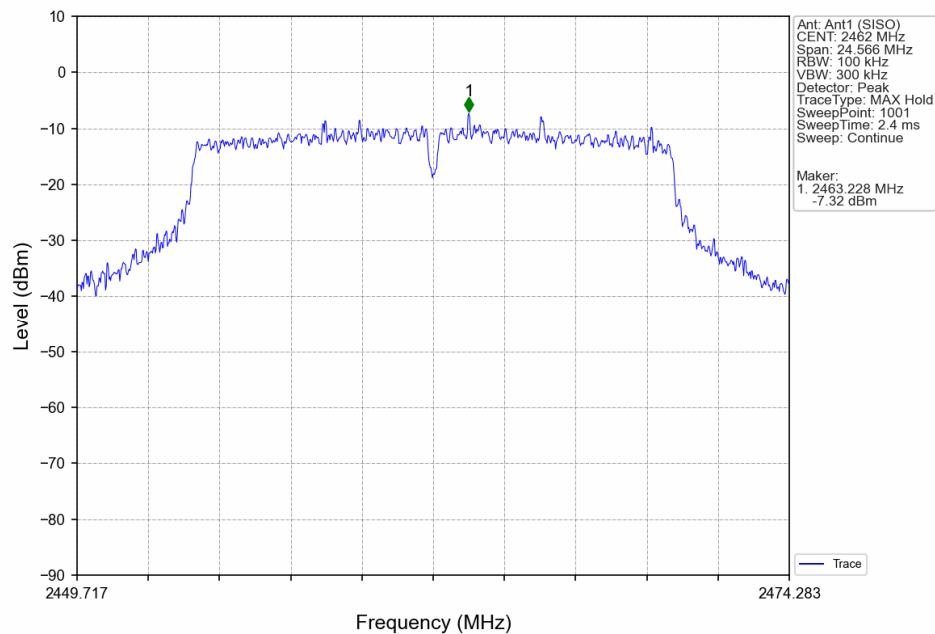


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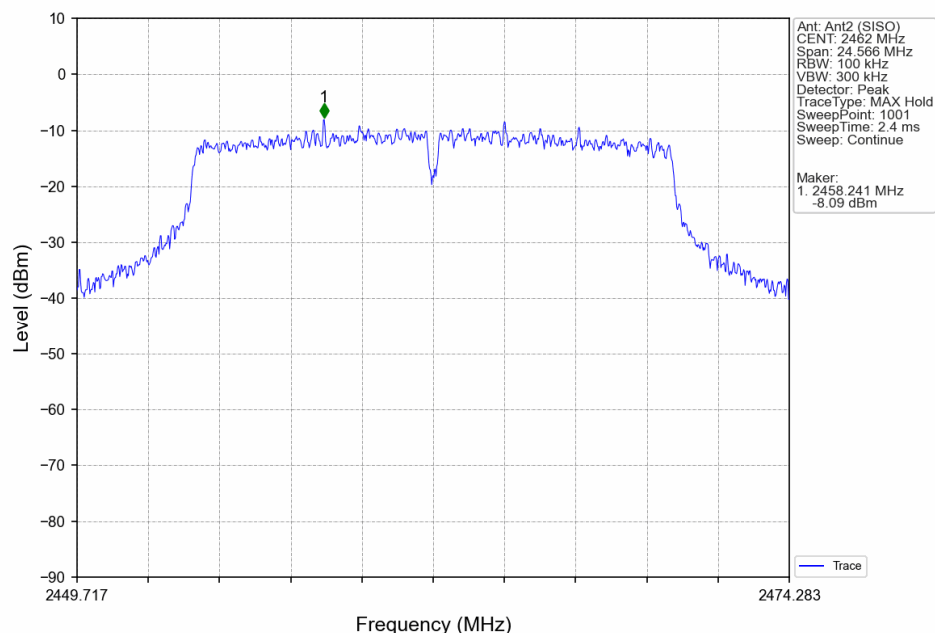




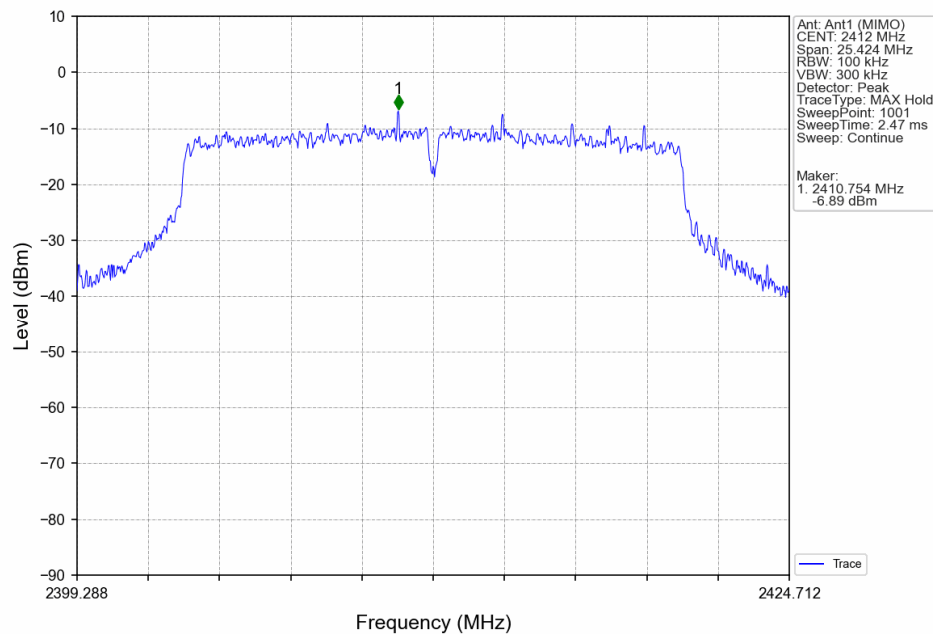
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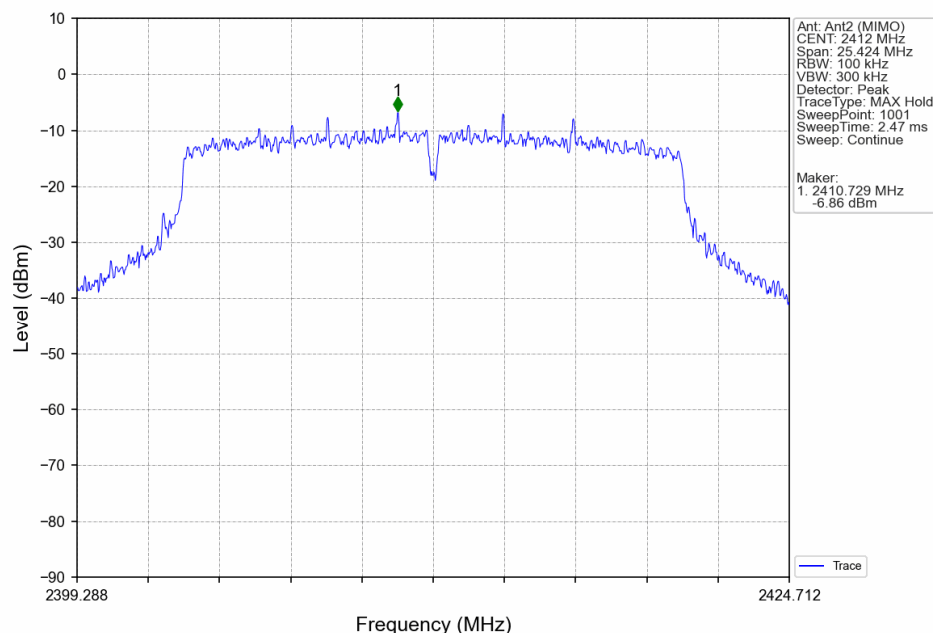
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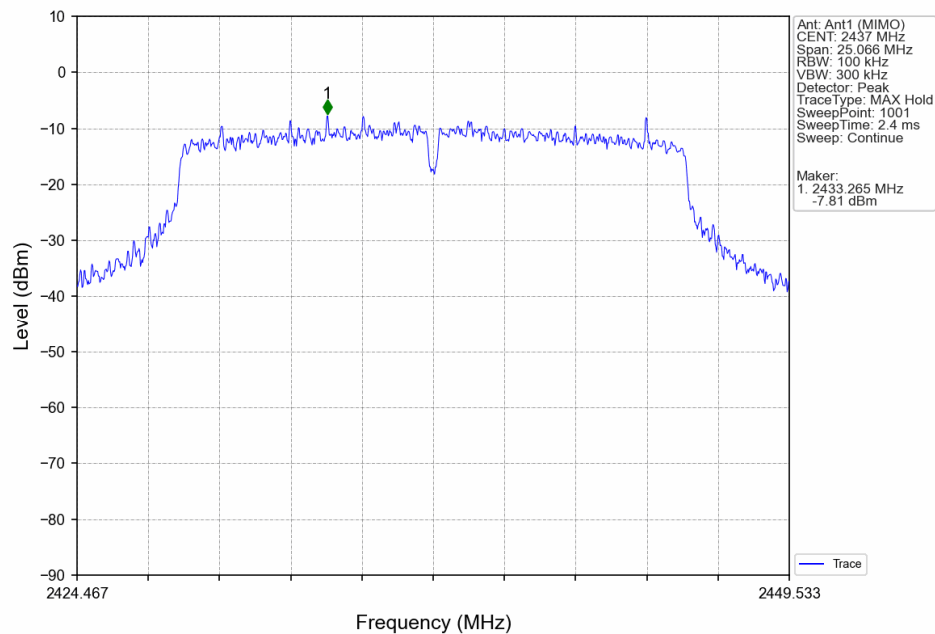
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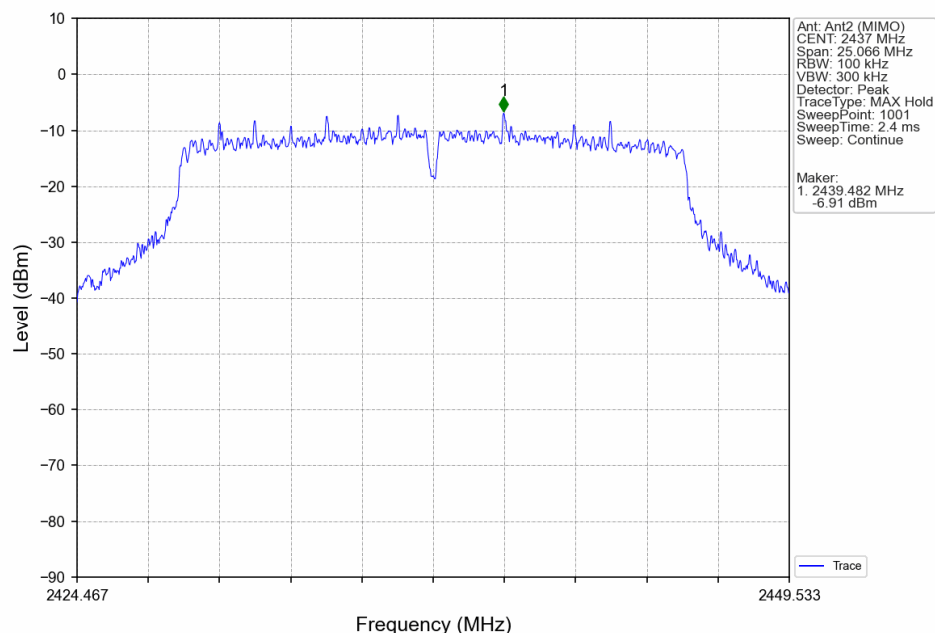
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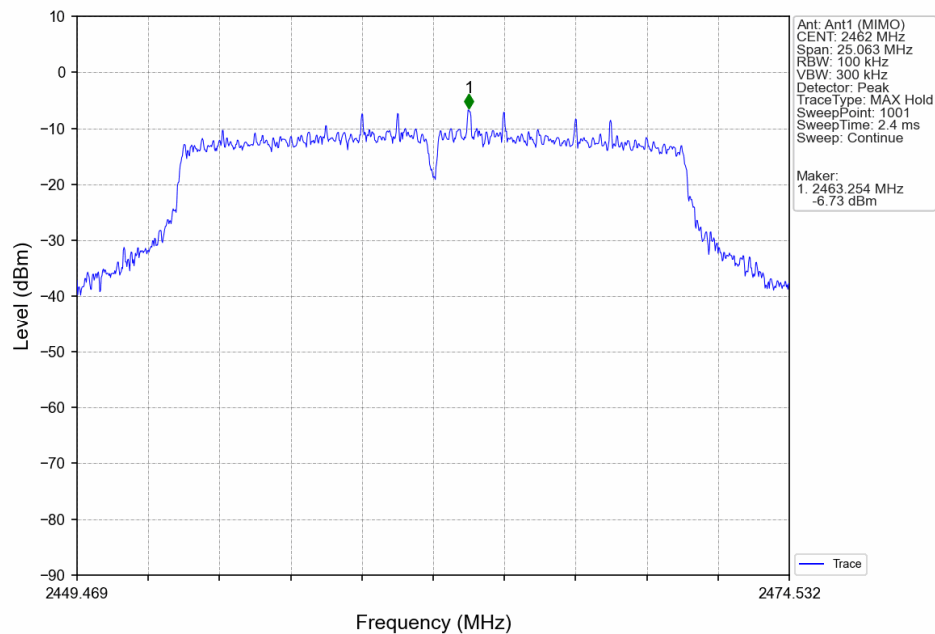
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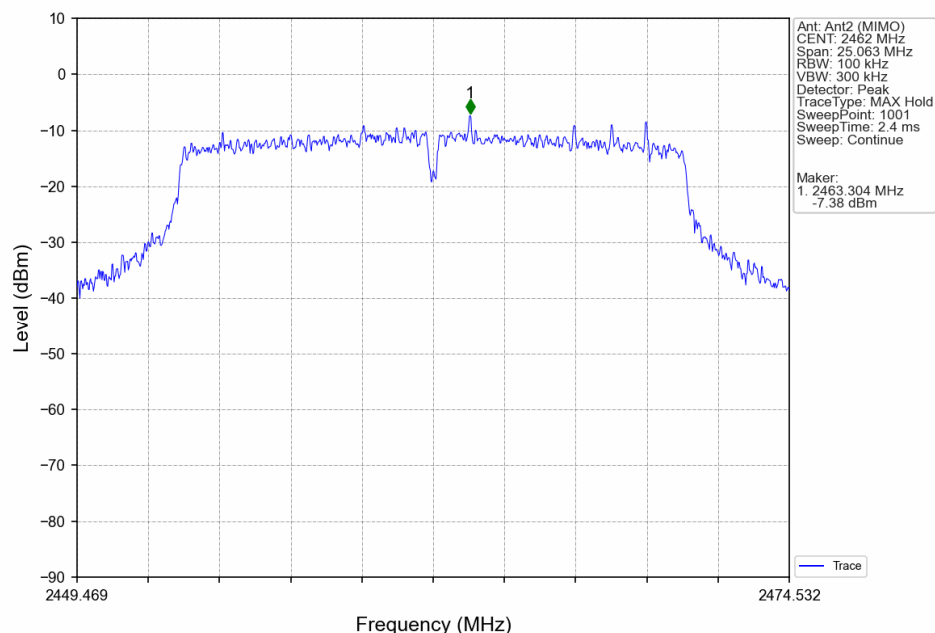
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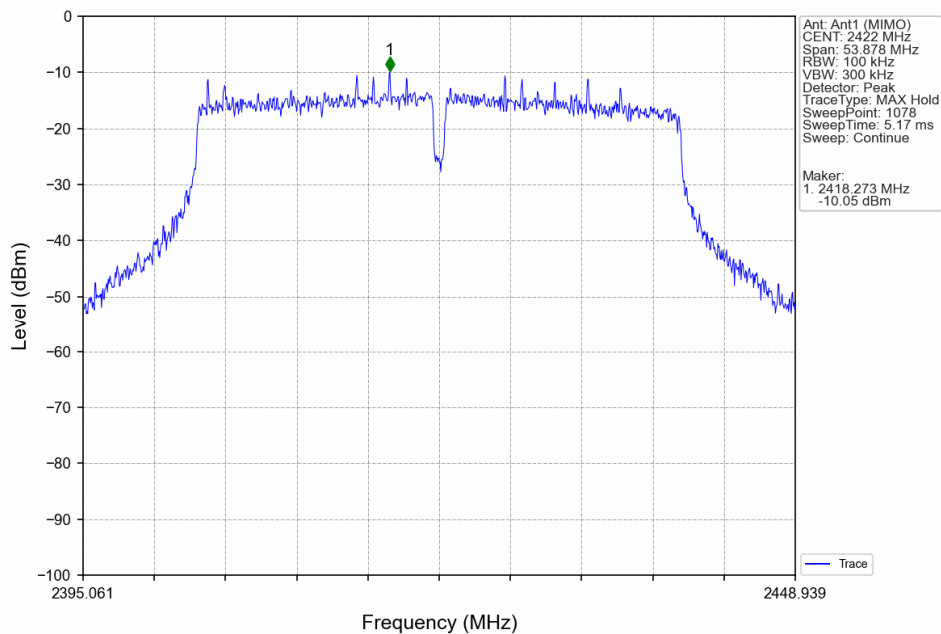
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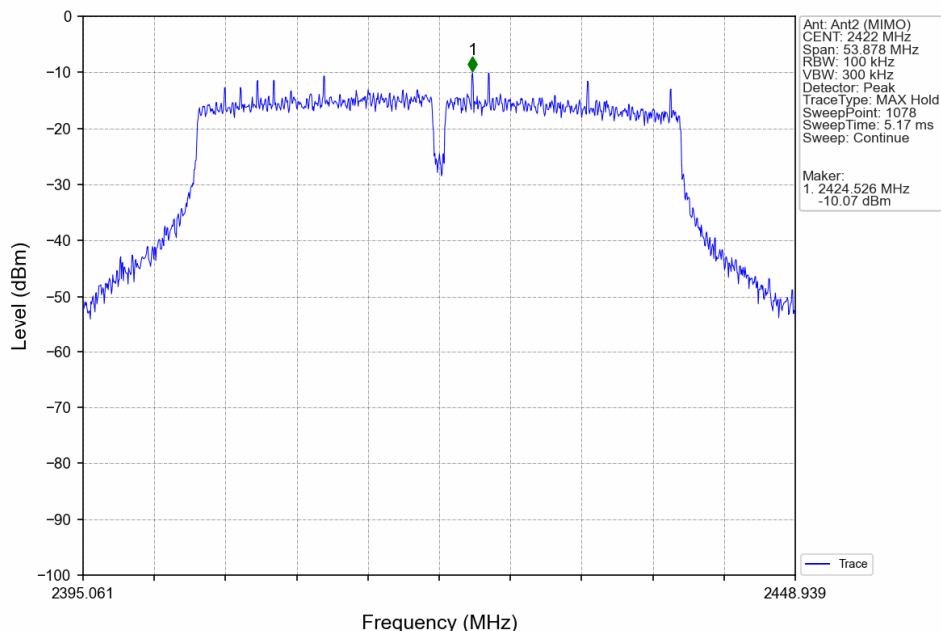
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### 802.11n(HT40)\_LCH\_2422MHz\_Ant1 (MIMO)\_NTNV

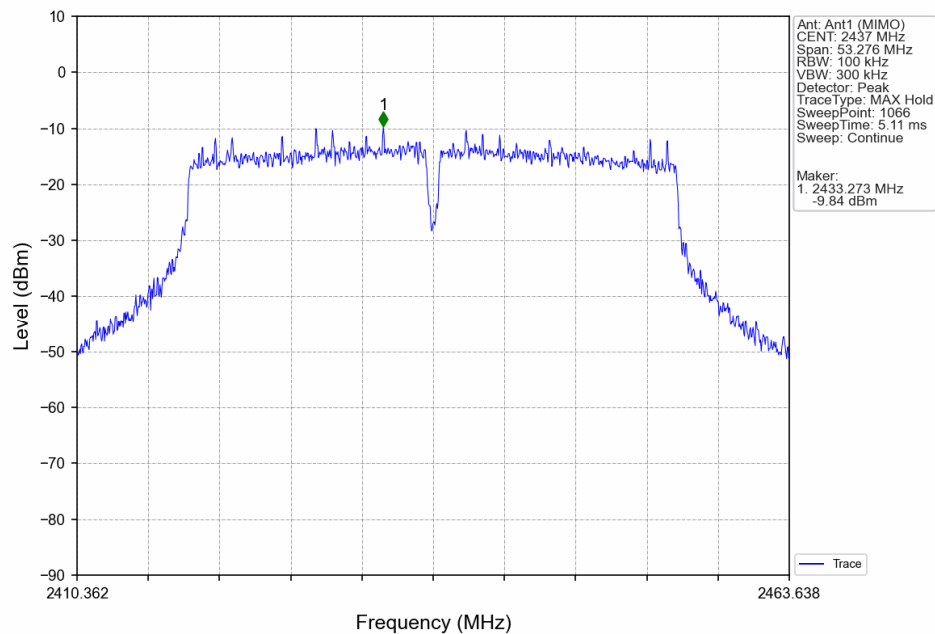


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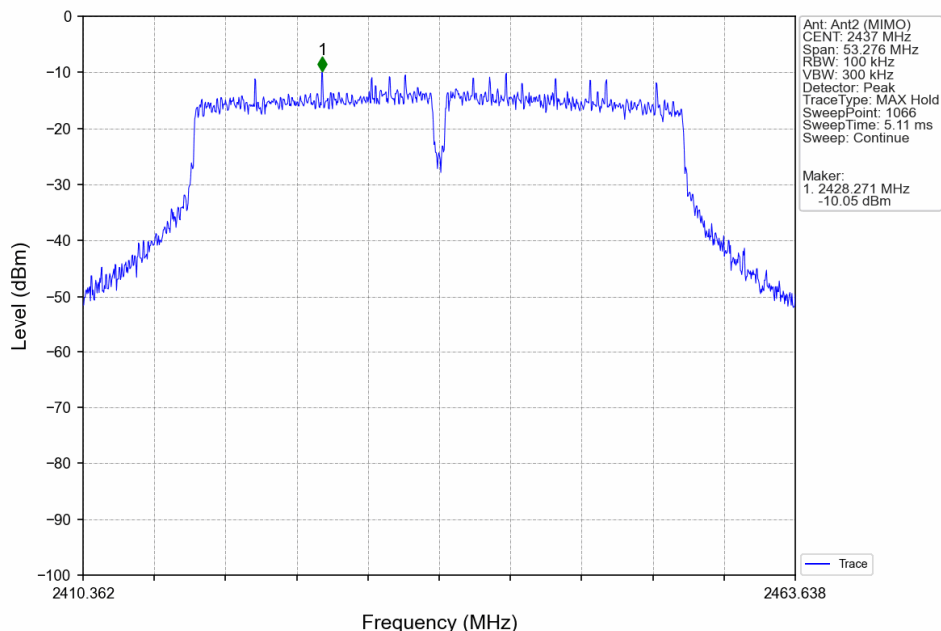




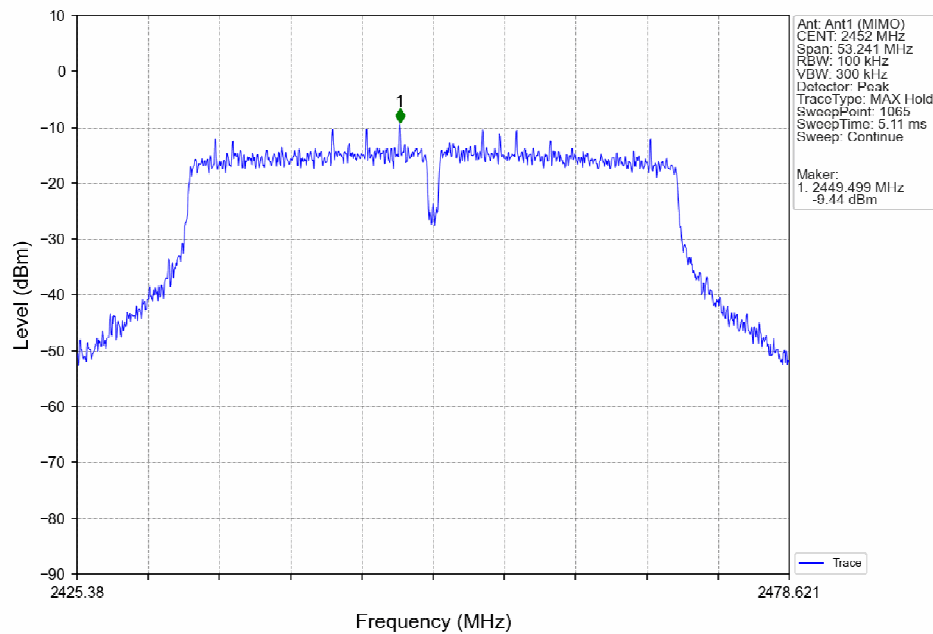
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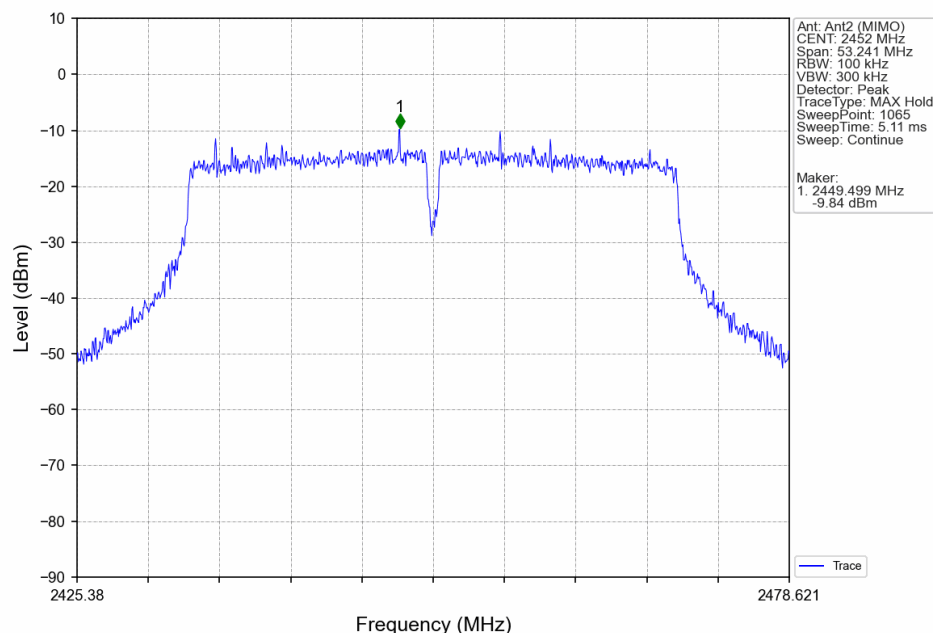
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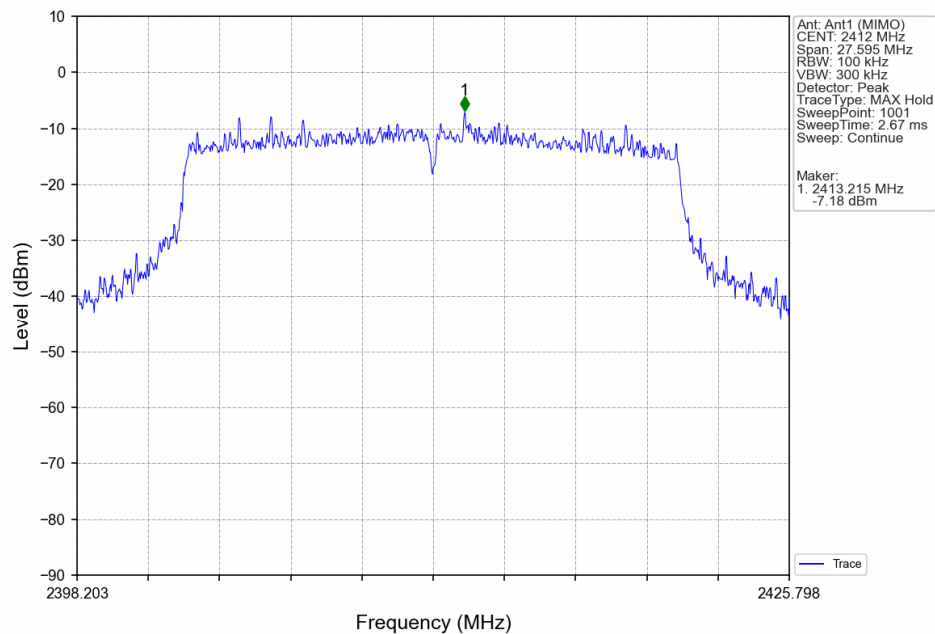
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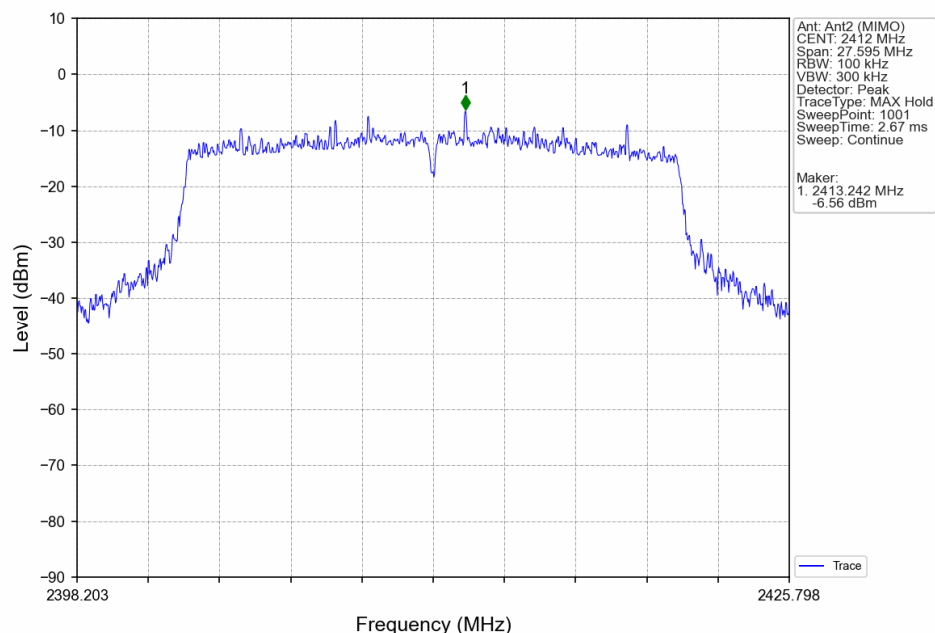
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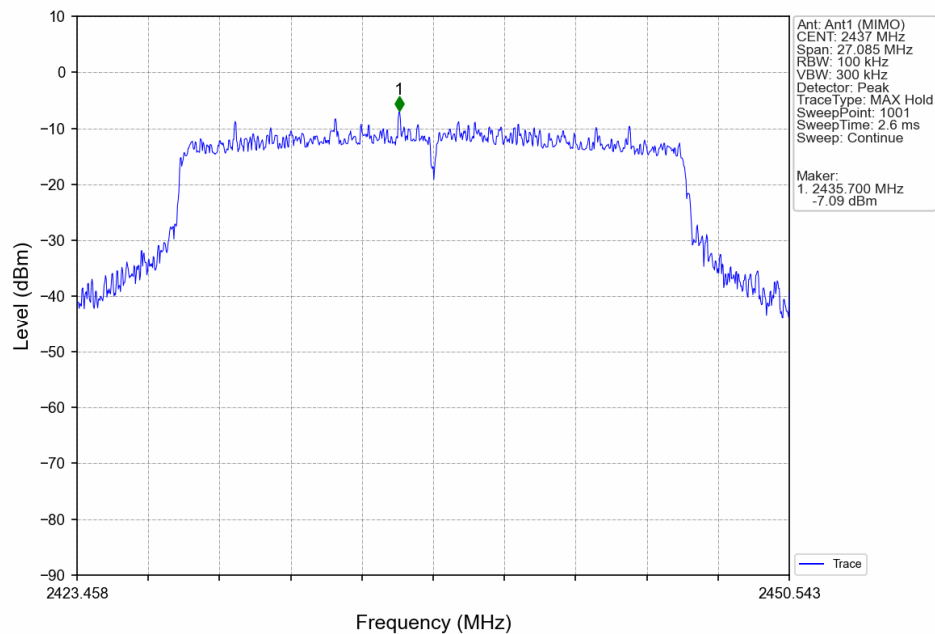
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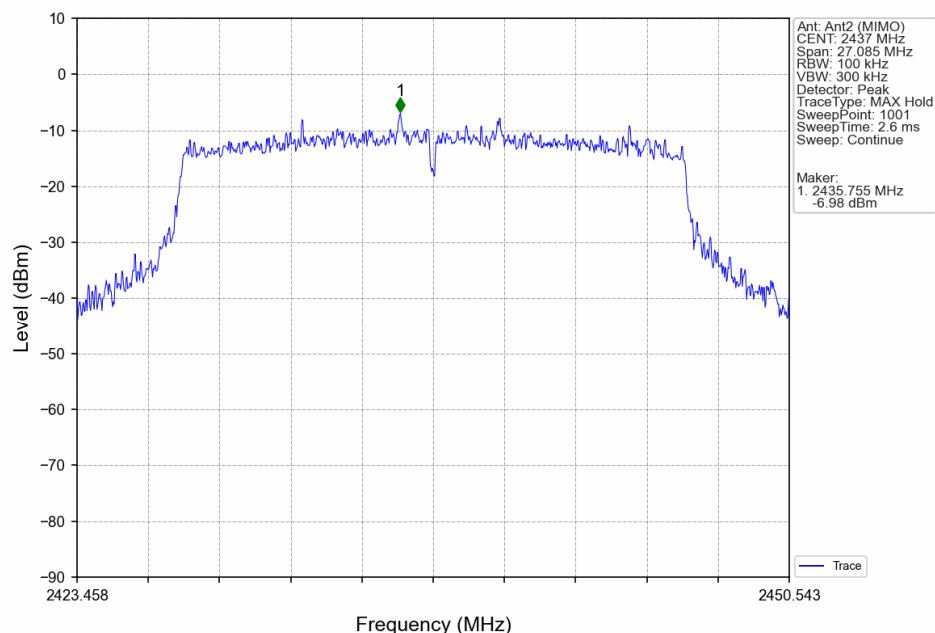
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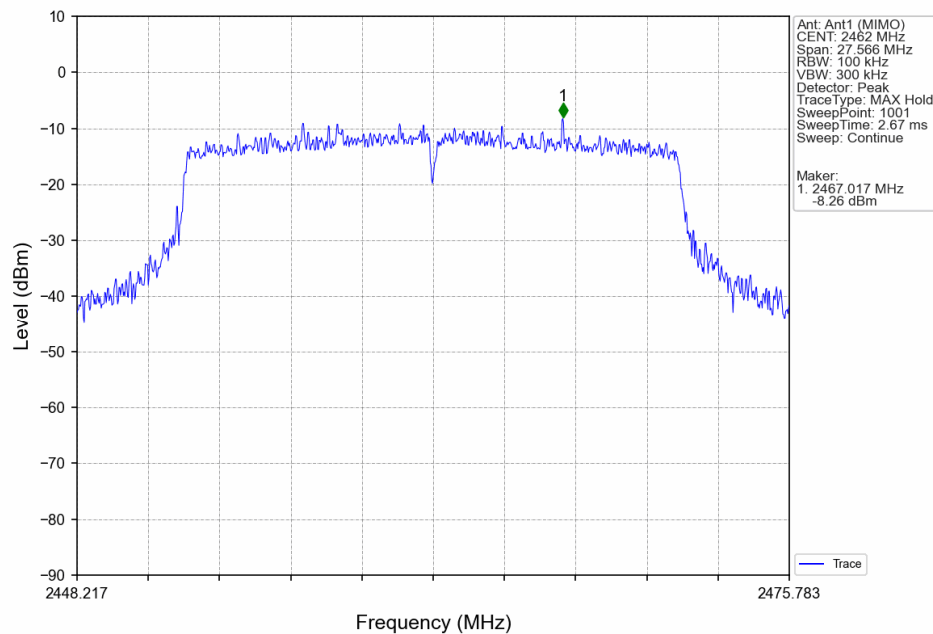
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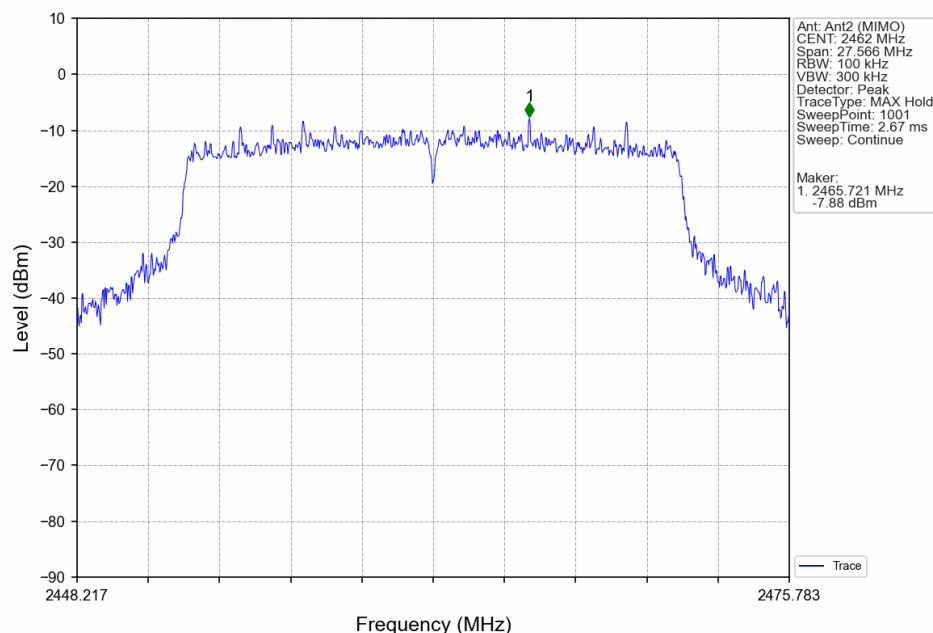
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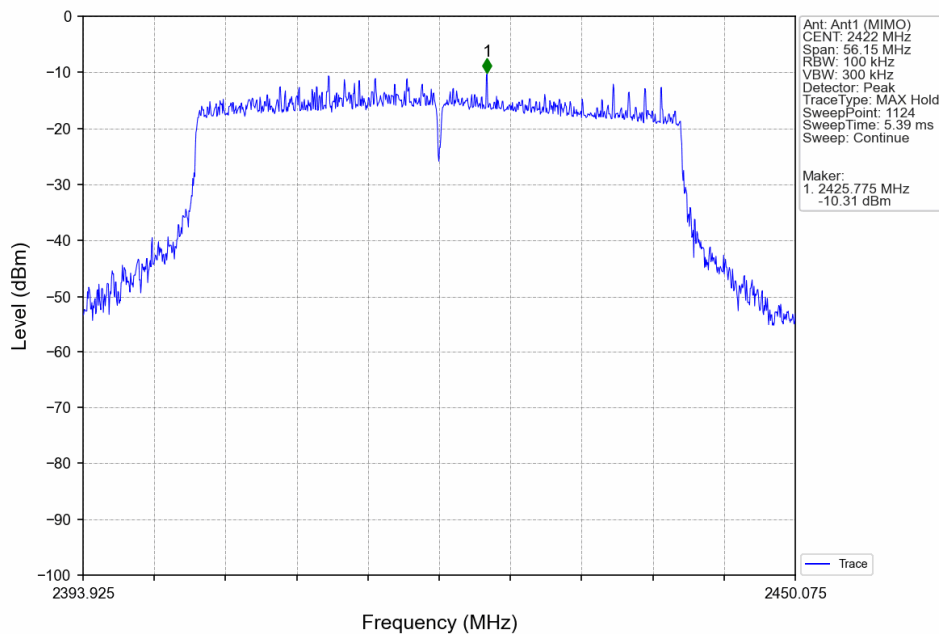


### 802.11ax(HEW20)\_HCH\_2462MHz\_RU242\_Left\_Ant2 (MIMO)\_NTNV

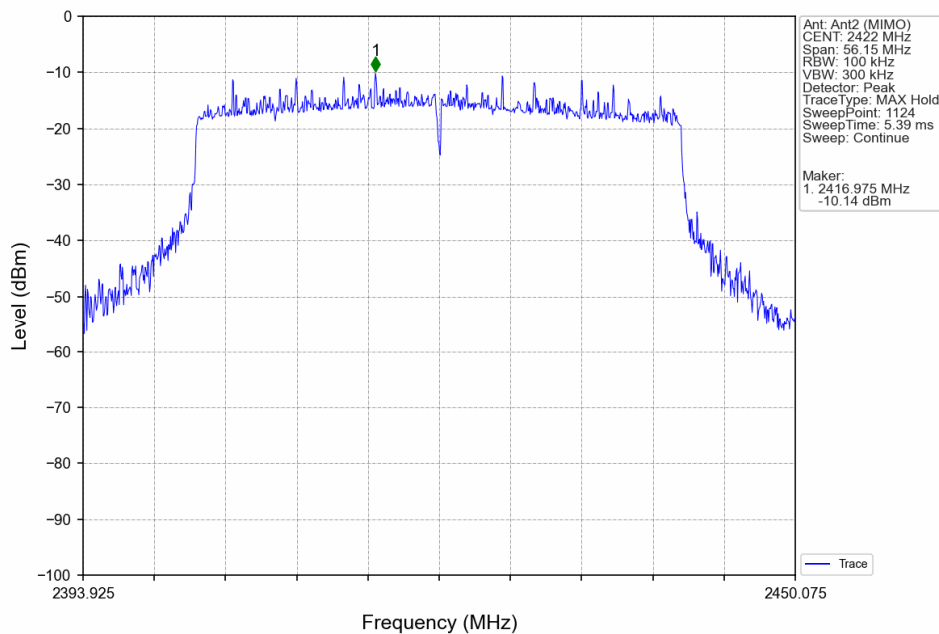




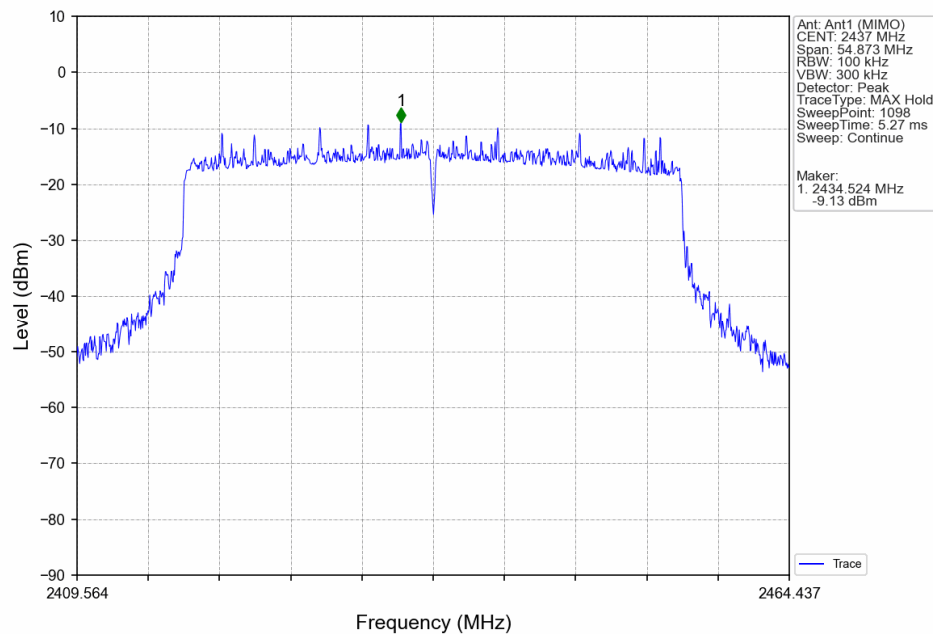
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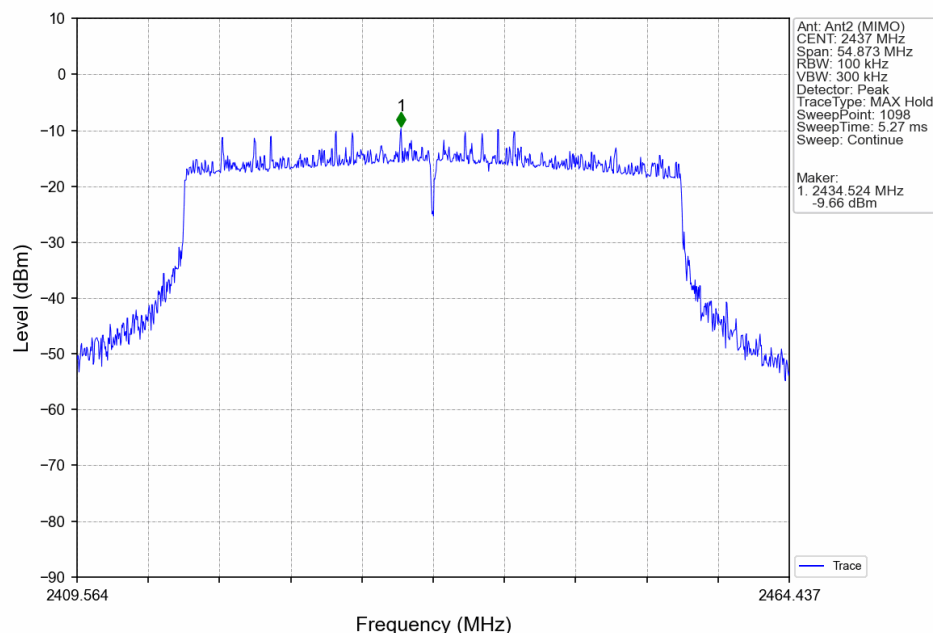
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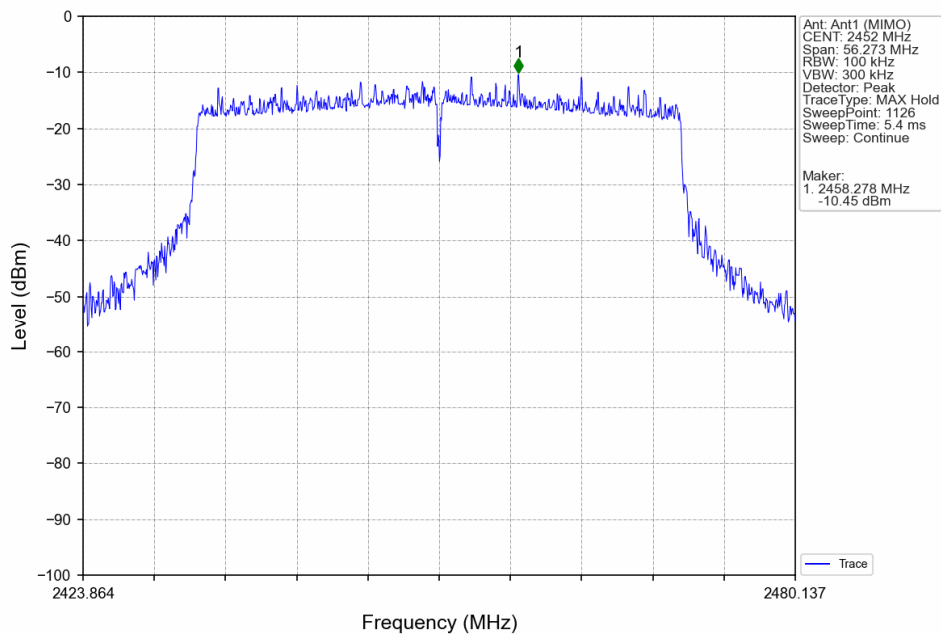
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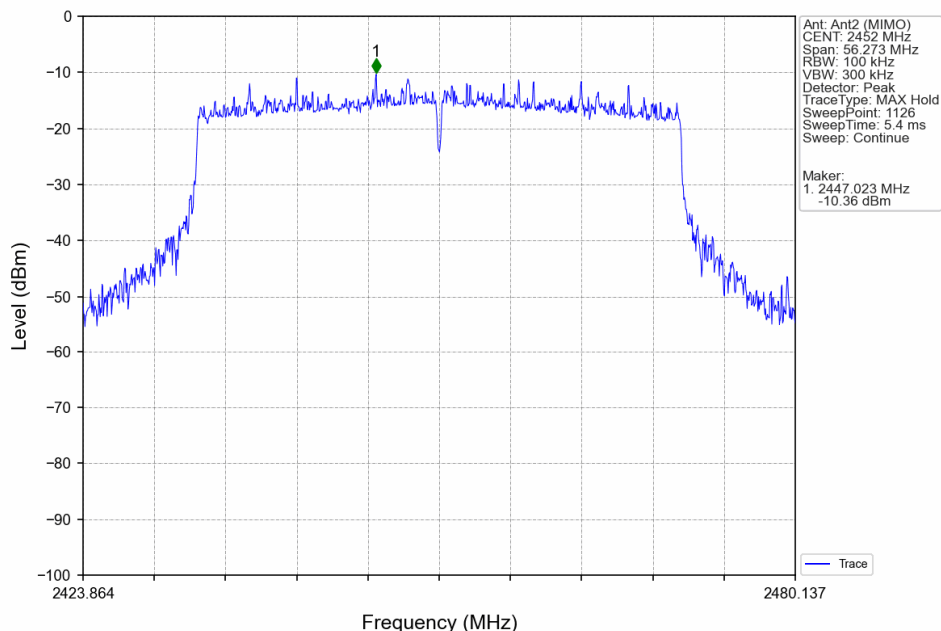
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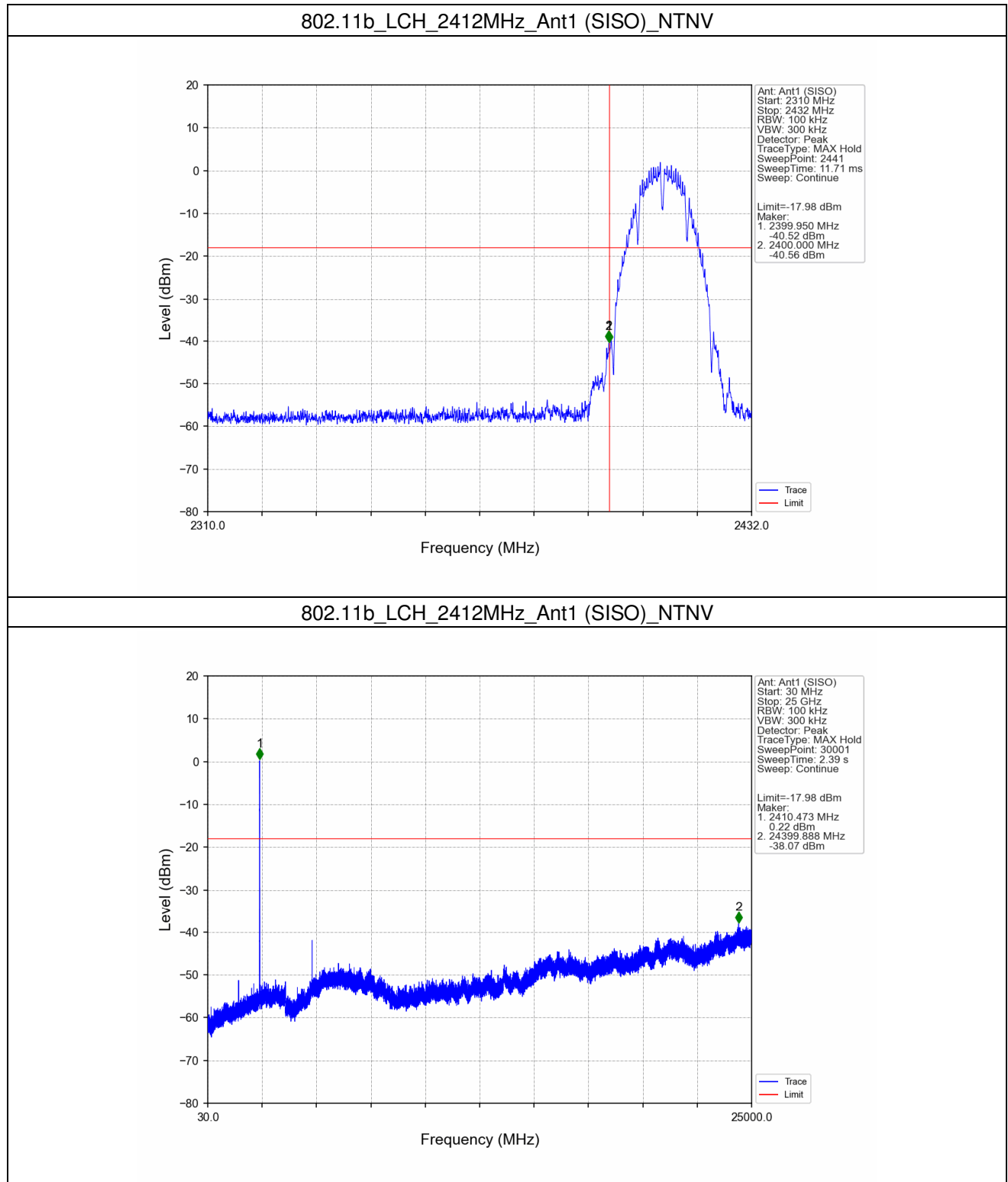
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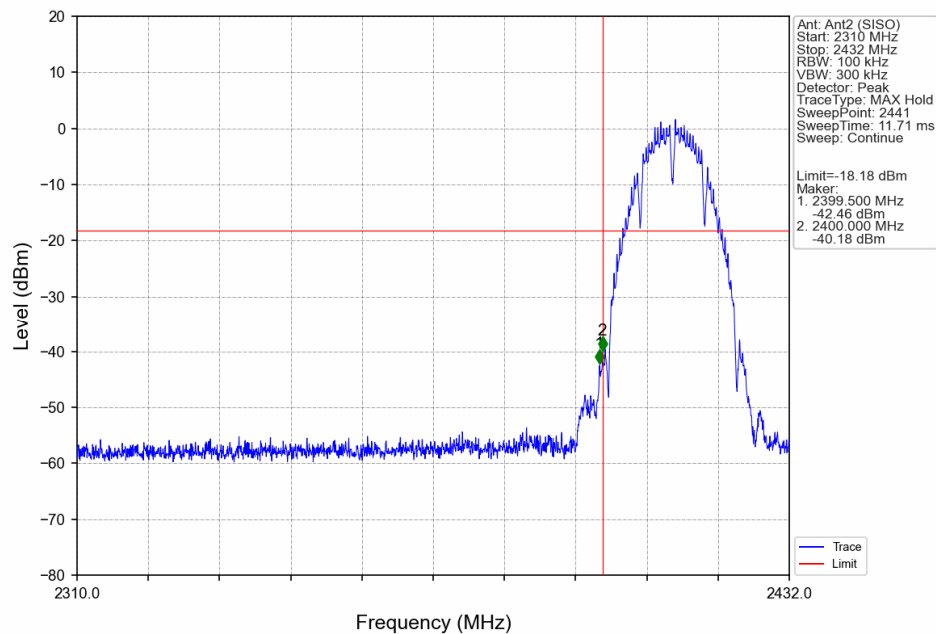
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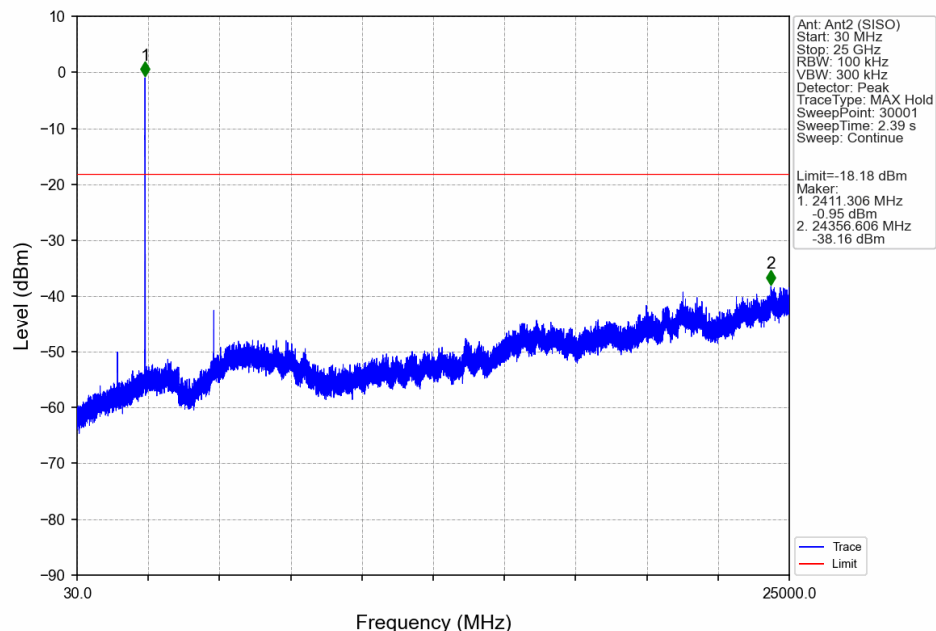
### 5.2.2 CSE and Band Edges



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

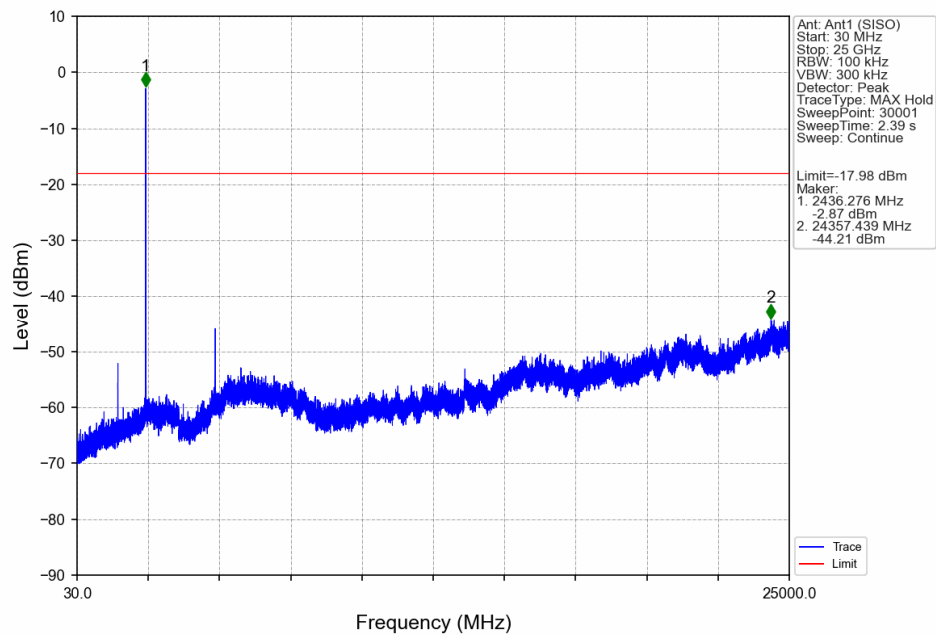


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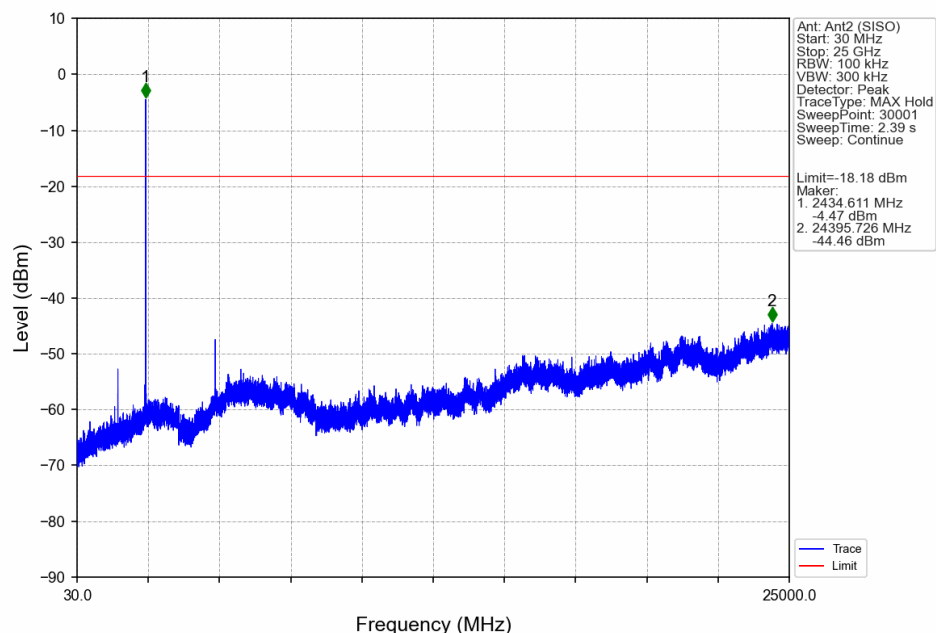




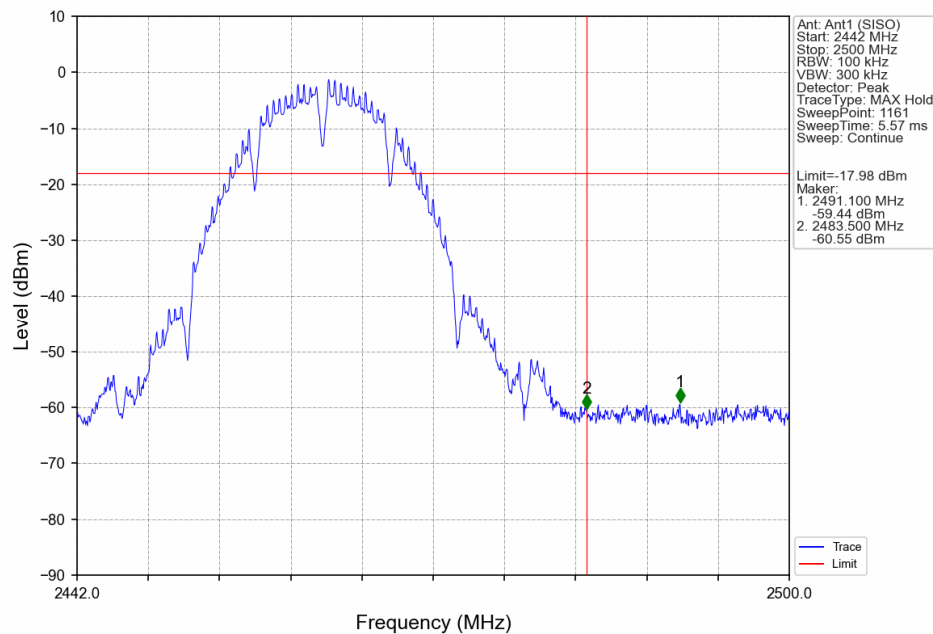
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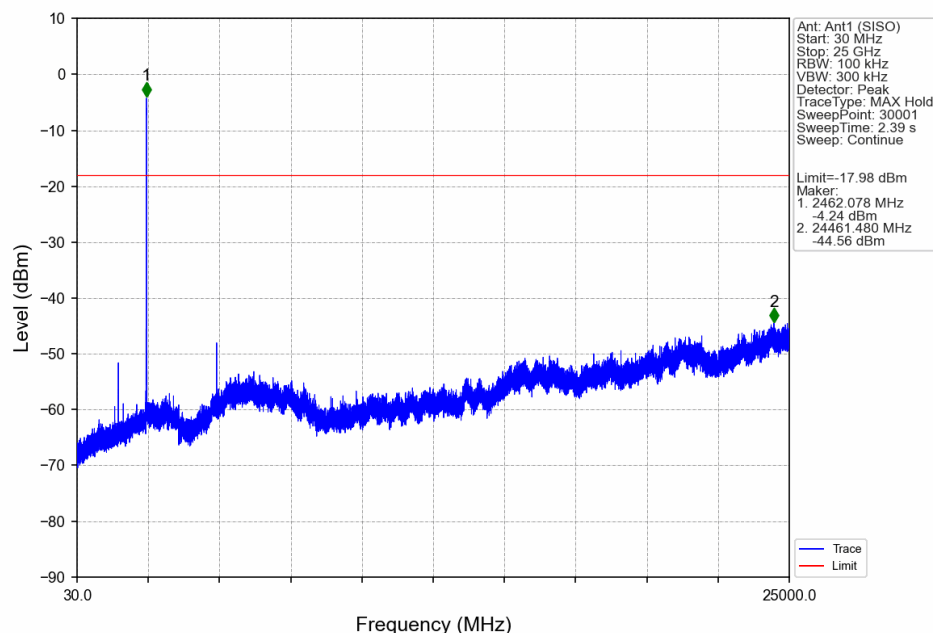
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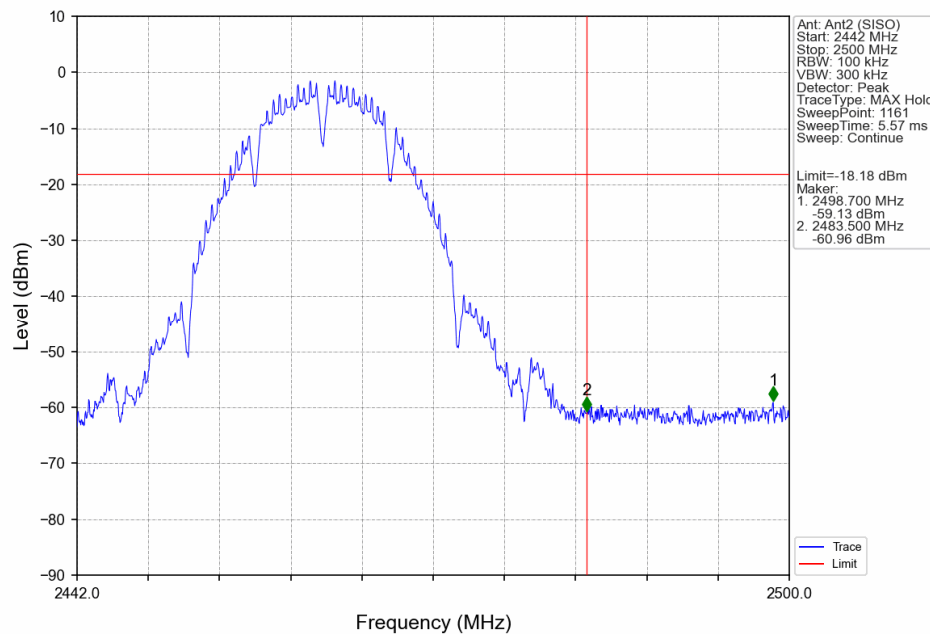
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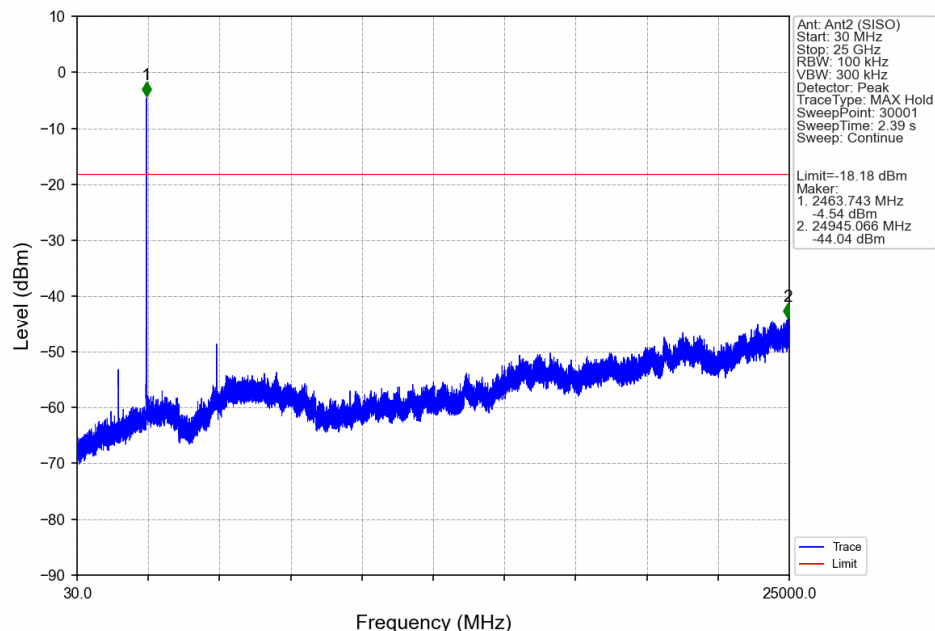
### 802.11b\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



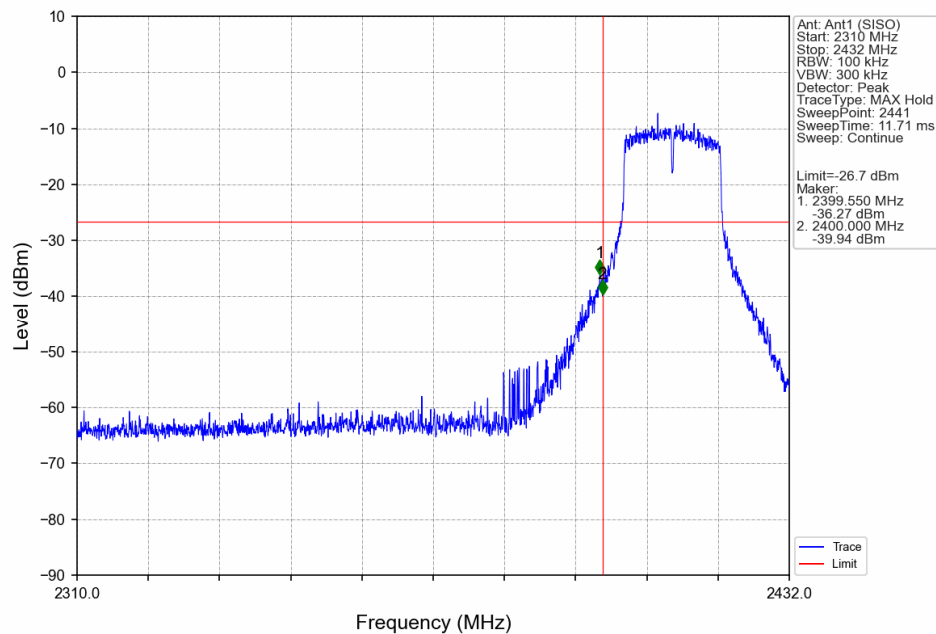
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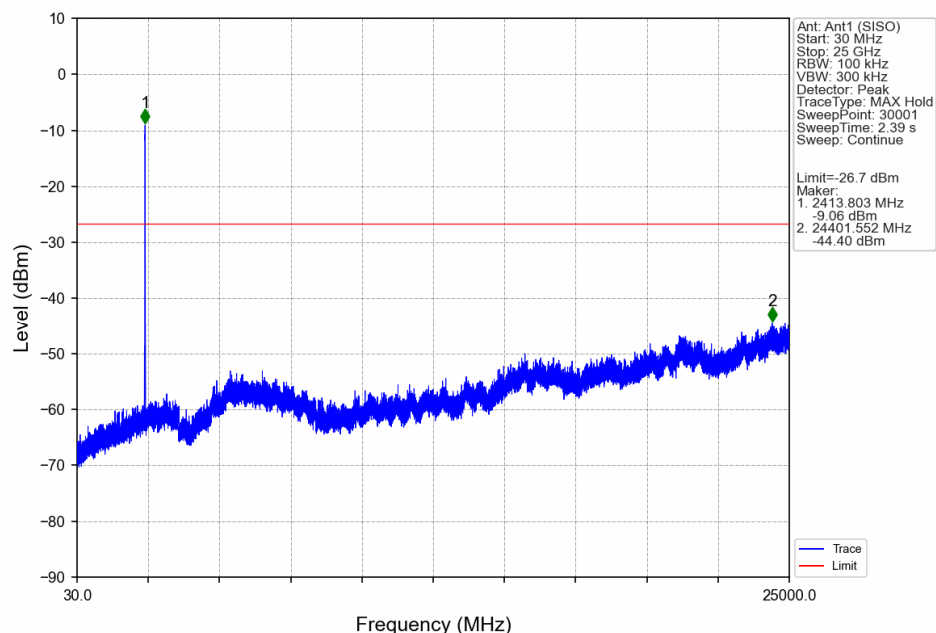
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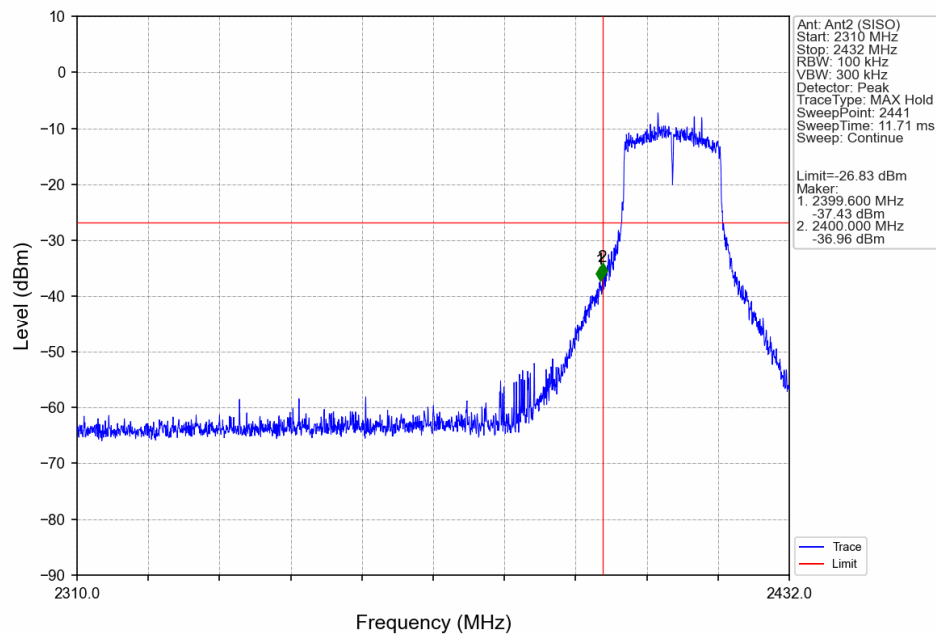
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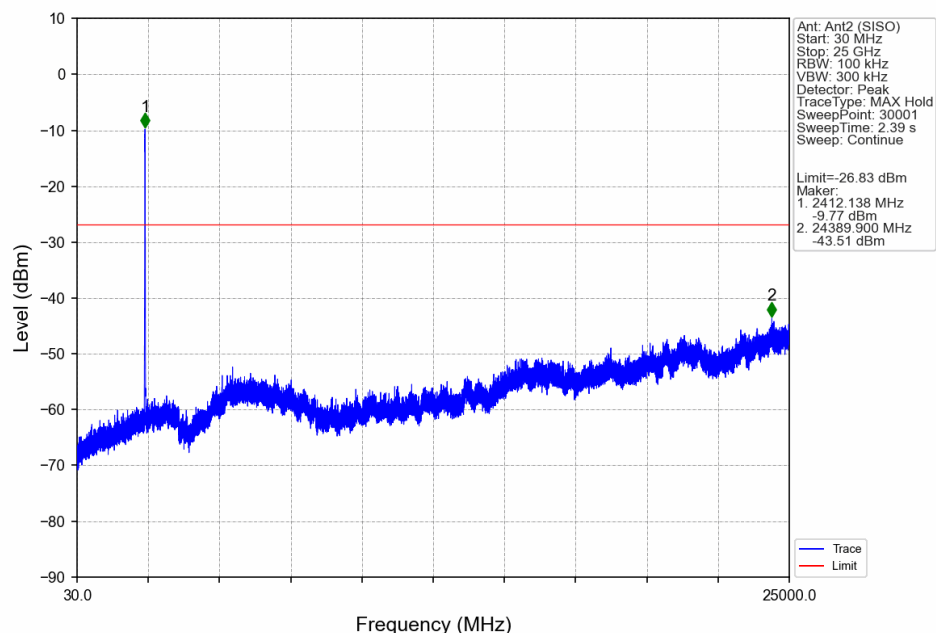
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### 802.11g\_LCH\_2412MHz\_Ant2 (SISO)\_NTNV

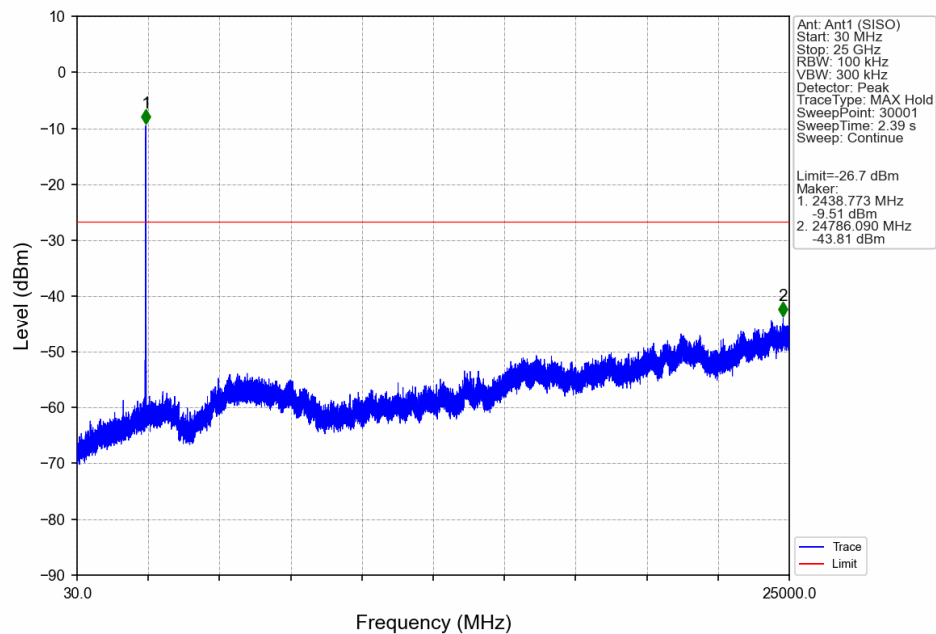


### 802.11g\_LCH\_2412MHz\_Ant2 (SISO)\_NTNV

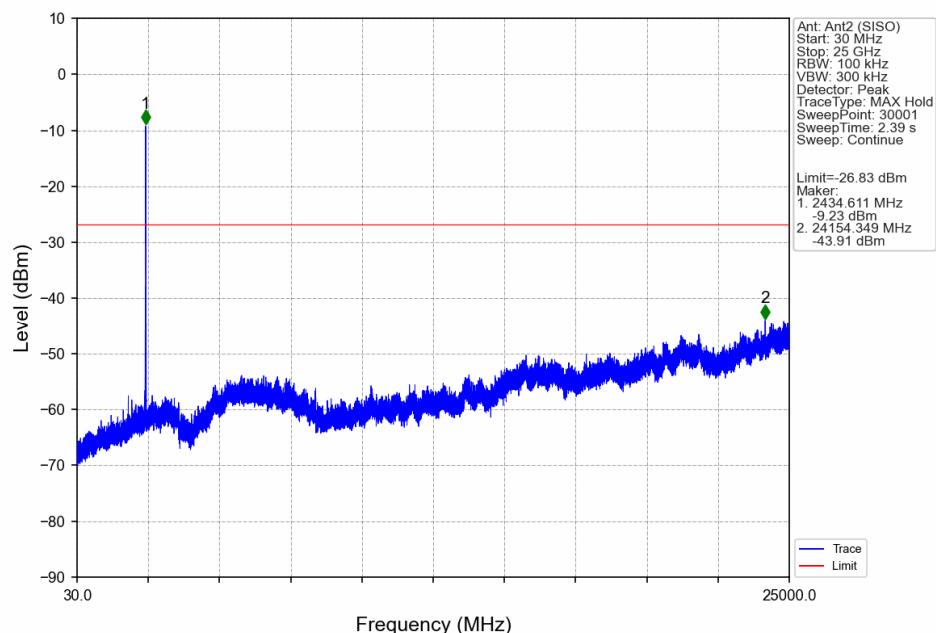




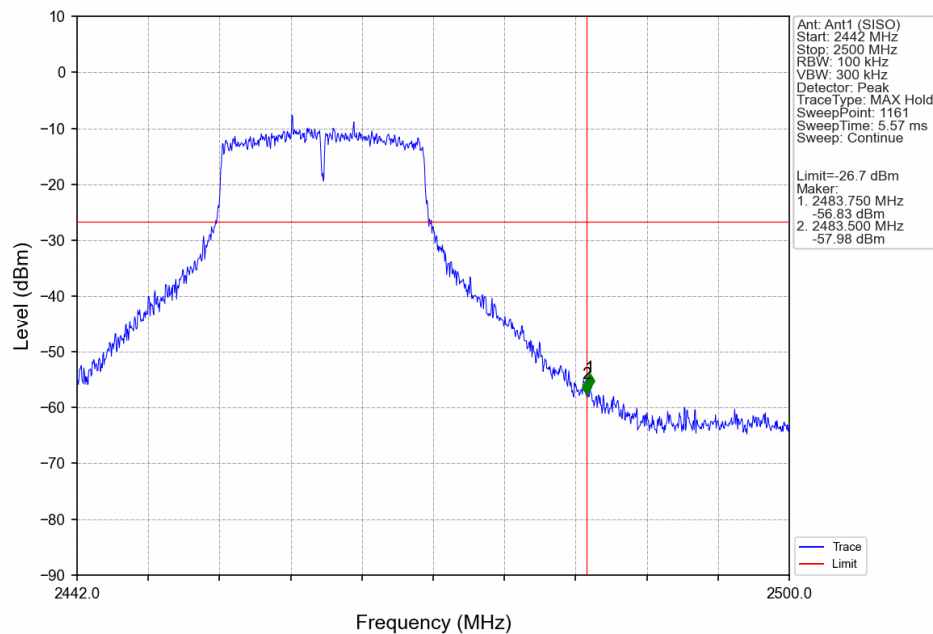
### 802.11g\_MCH\_2437MHz\_Ant1 (SISO)\_NTNV



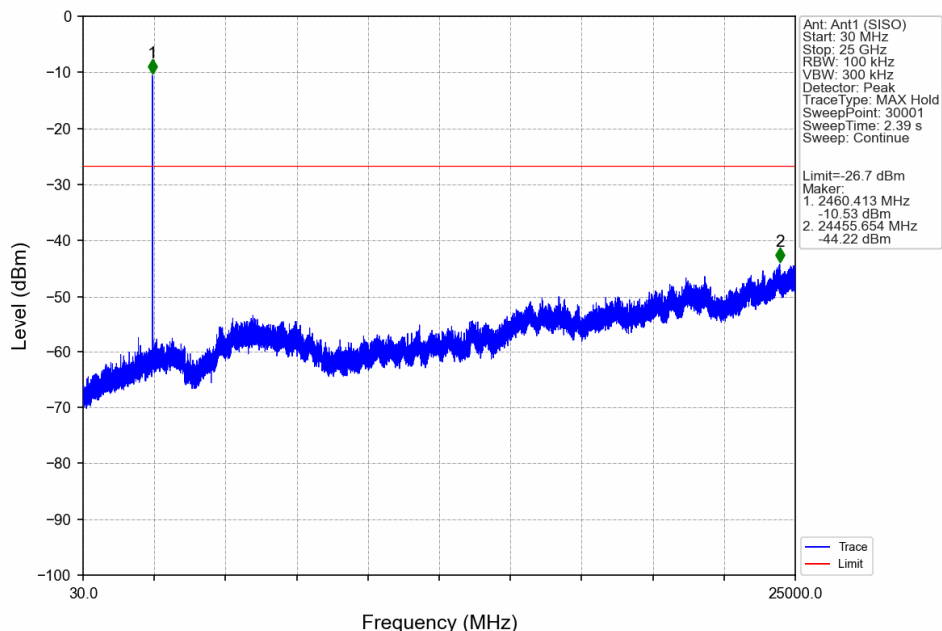
### 802.11g\_MCH\_2437MHz\_Ant2 (SISO)\_NTNV



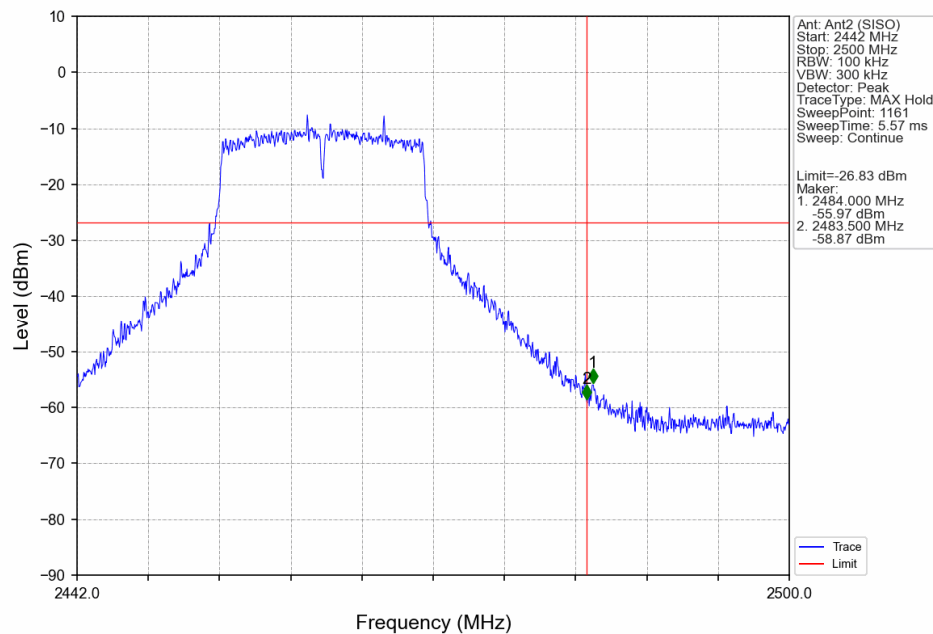
### 802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



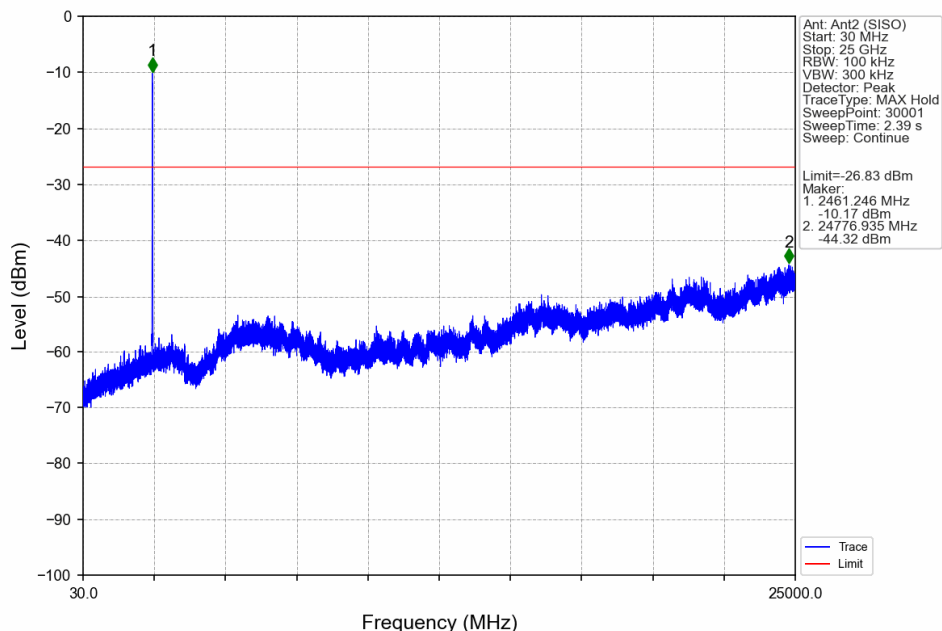
### 802.11g\_HCH\_2462MHz\_Ant1 (SISO)\_NTNV



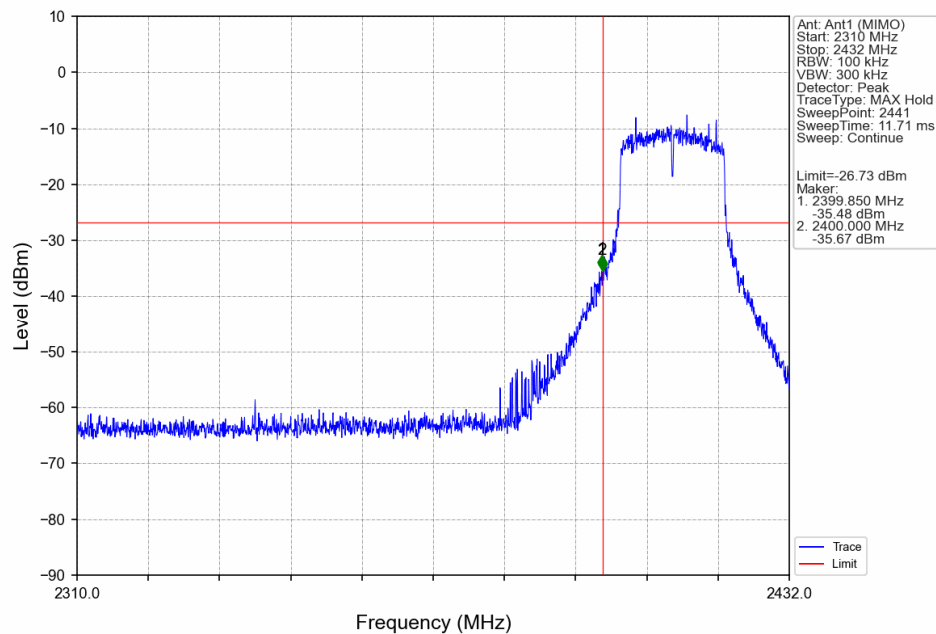
### 802.11g\_HCH\_2462MHz\_Ant2 (SiSO)\_NTNV



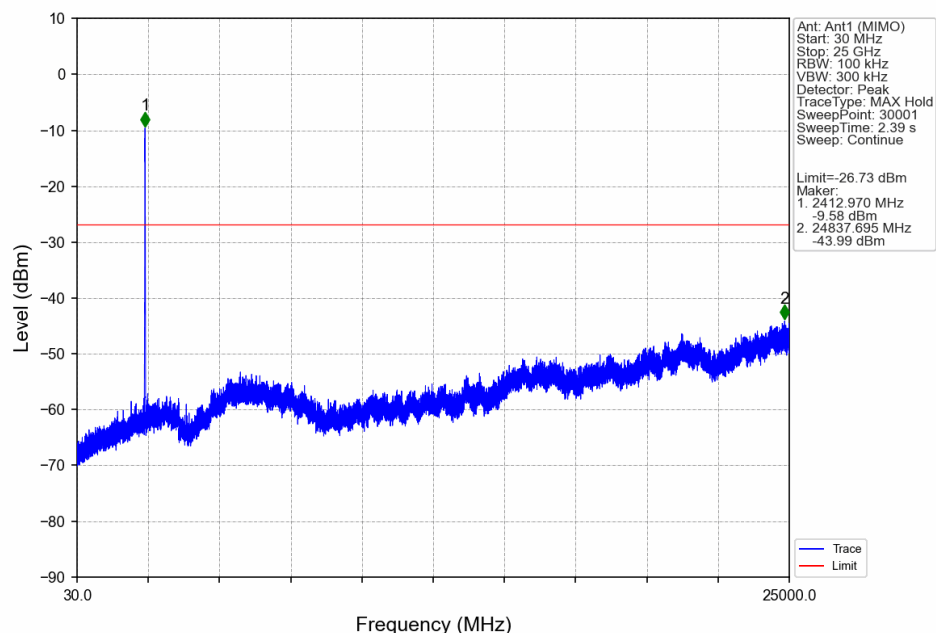
### 802.11g\_HCH\_2462MHz\_Ant2 (SiSO)\_NTNV



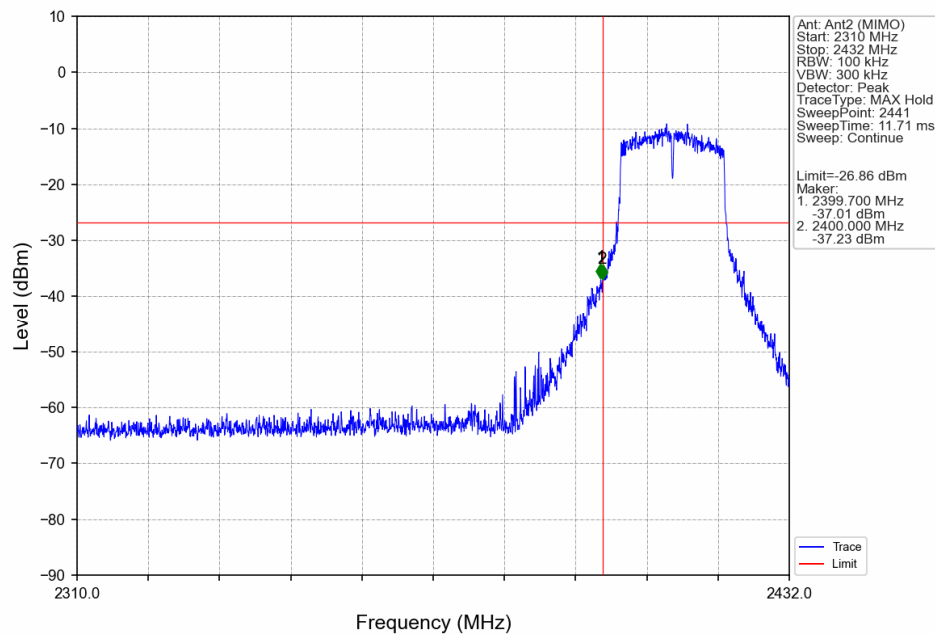
### 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (MIMO)\_NTNV



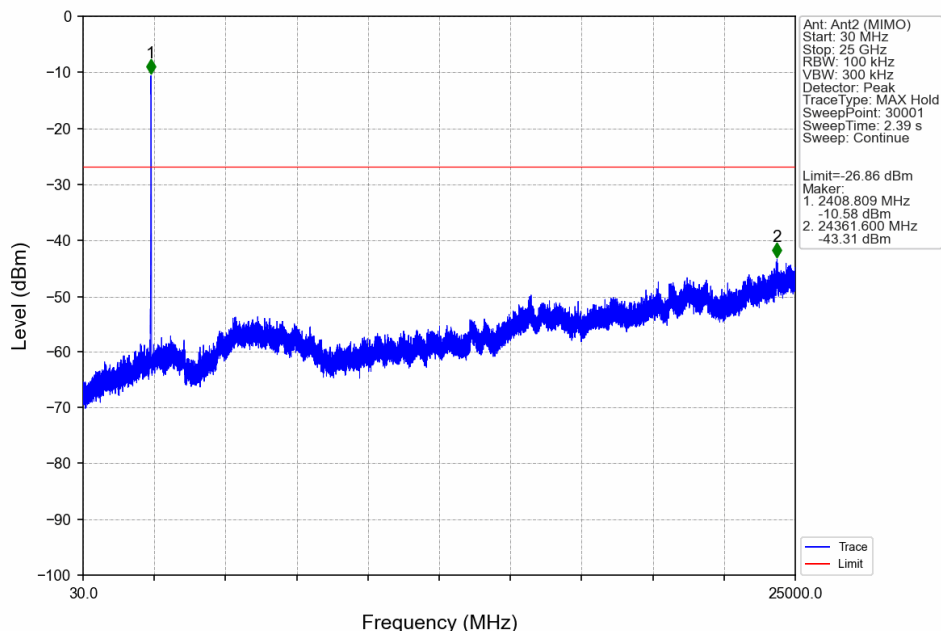
### 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (MIMO)\_NTNV



### 802.11n(HT20)\_LCH\_2412MHz\_Ant2 (MIMO)\_NTNV

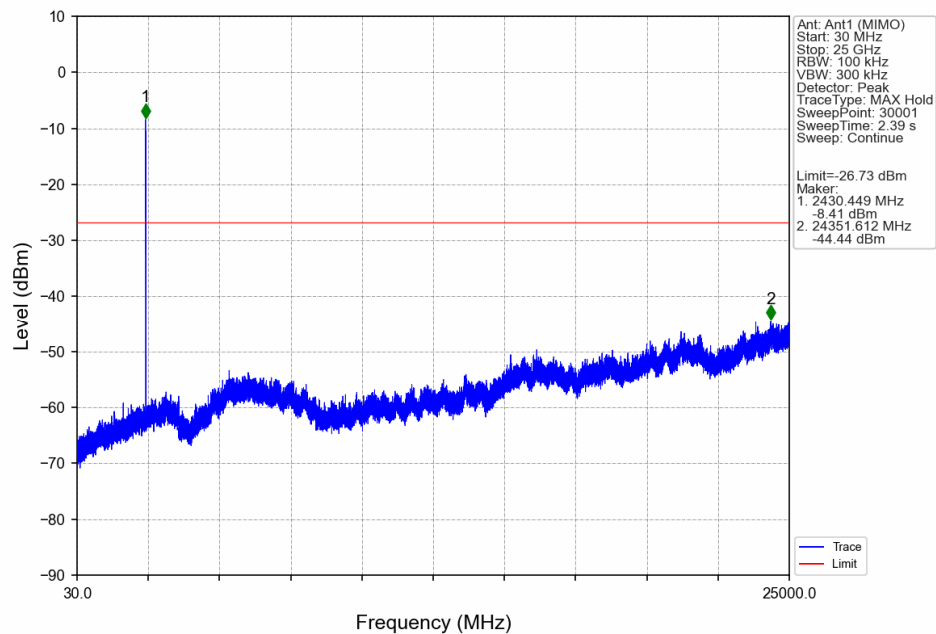


### 802.11n(HT20)\_LCH\_2412MHz\_Ant2 (MIMO)\_NTNV

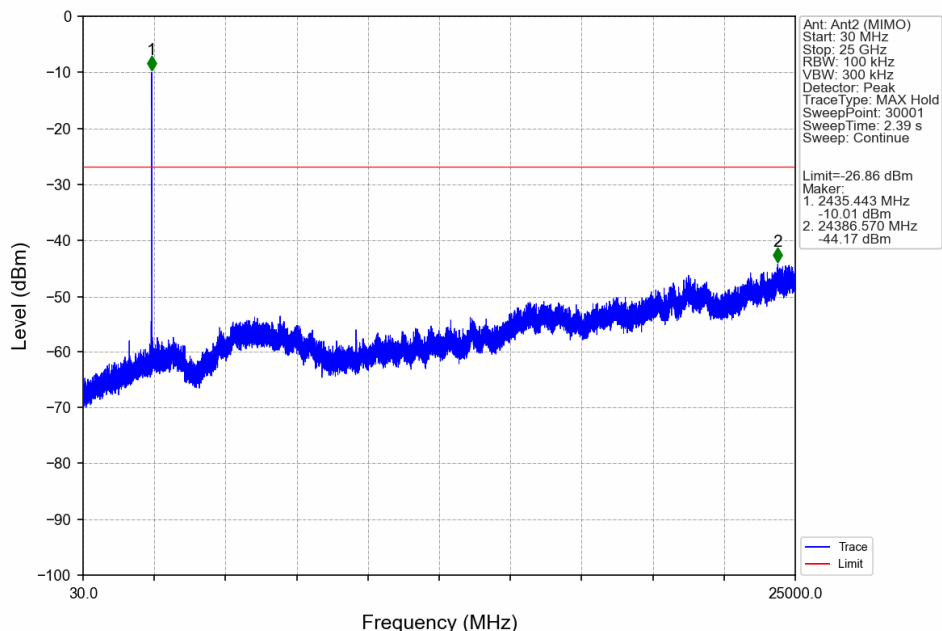




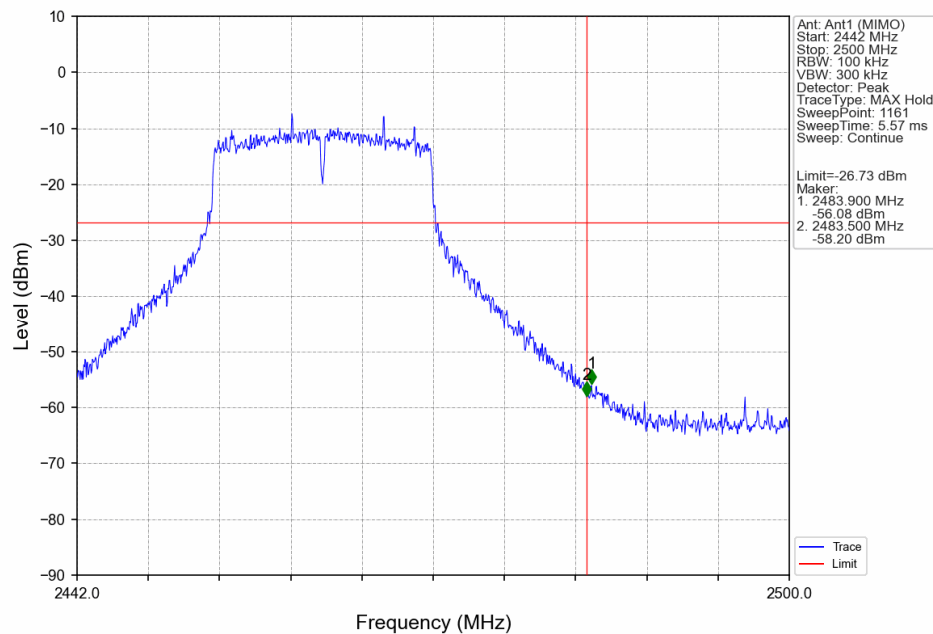
### 802.11n(HT20)\_MCH\_2437MHz\_Ant1 (MIMO)\_NTNV



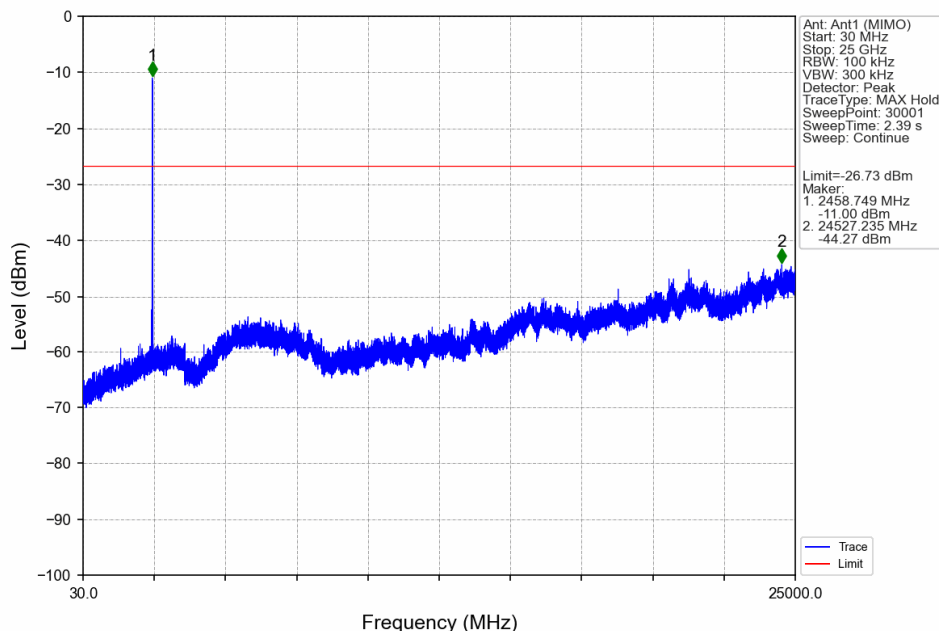
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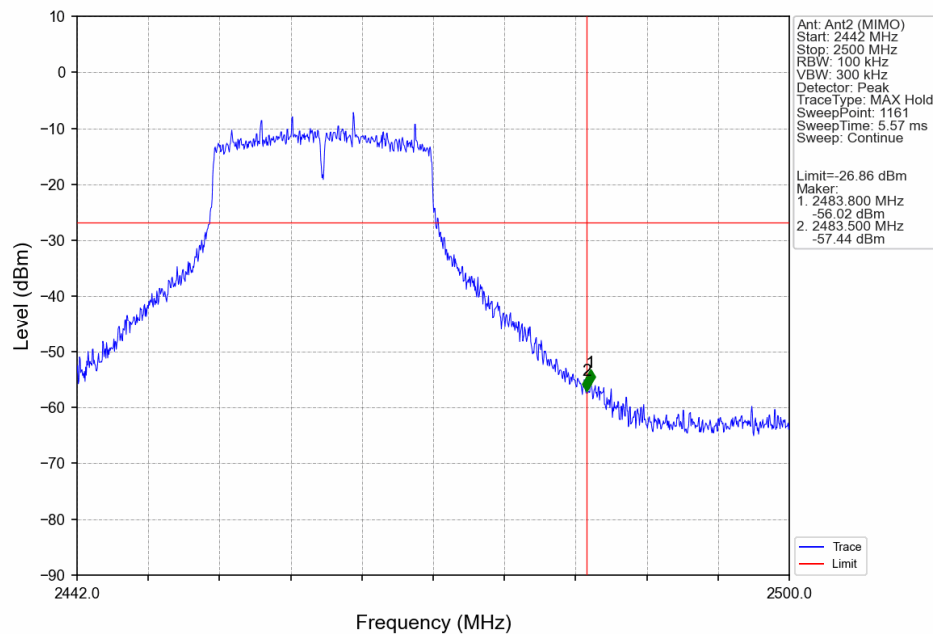
### 802.11n(HT20)\_HCH\_2462MHz\_Ant1 (MIMO)\_NTNV



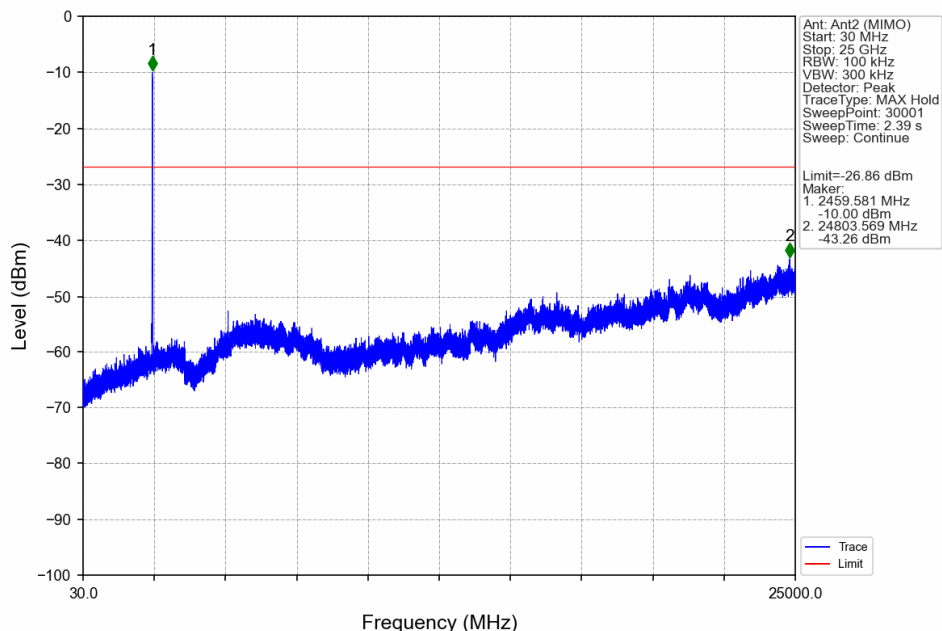
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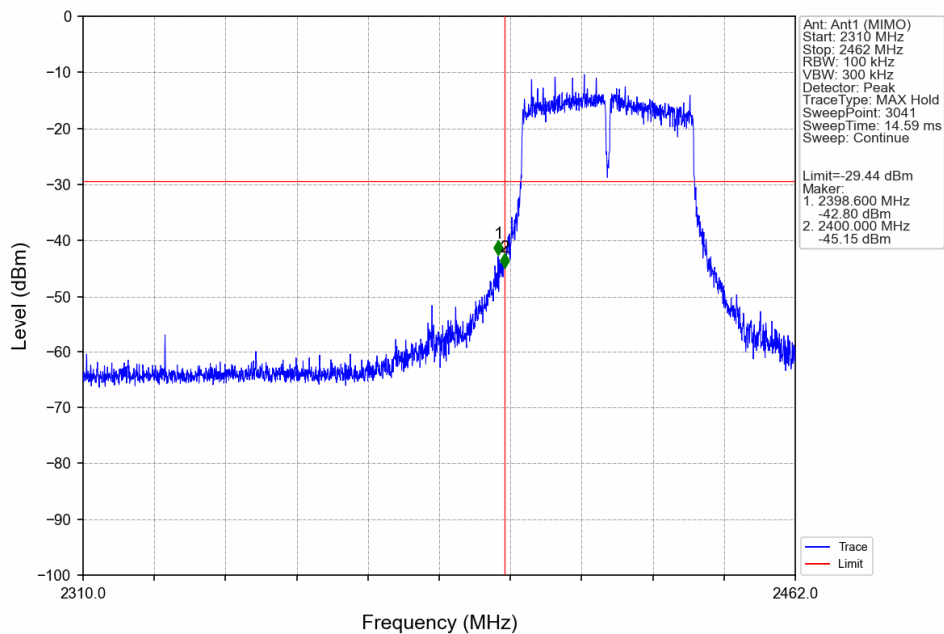
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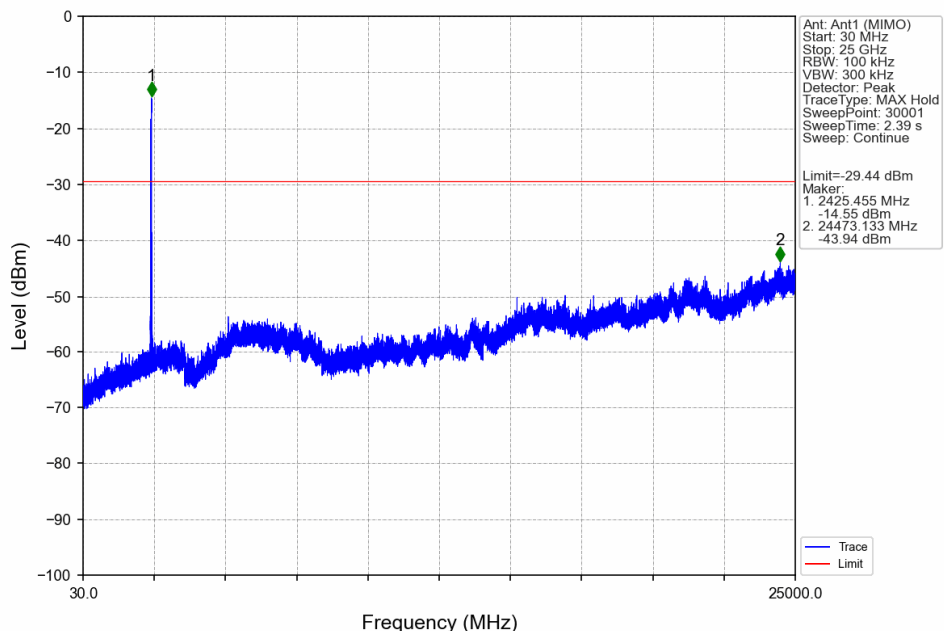
### 802.11n(HT20)\_HCH\_2462MHz\_Ant2 (MIMO)\_NTNV



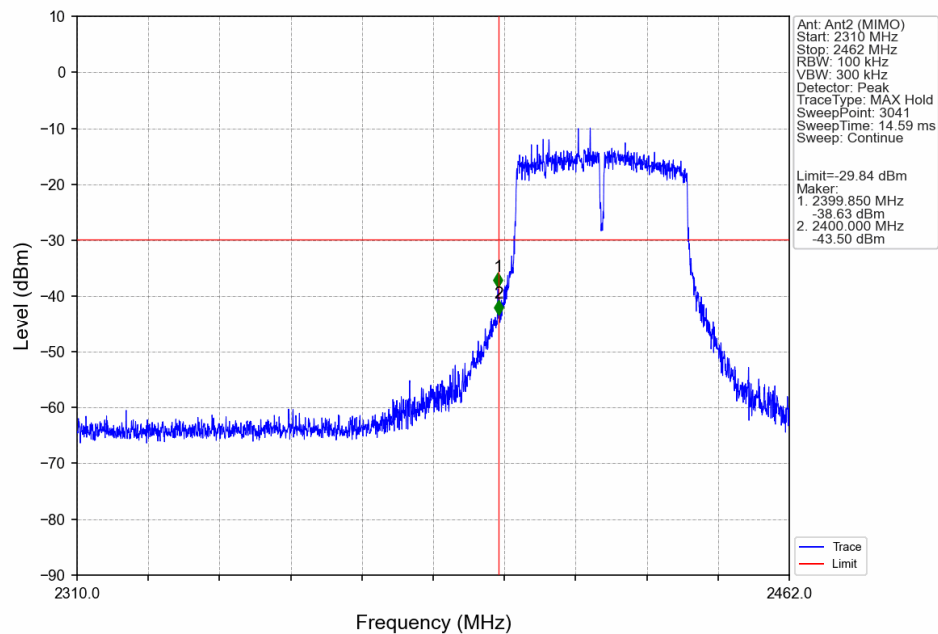
### 802.11n(HT40)\_LCH\_2422MHz\_Ant1 (MIMO)\_NTNV



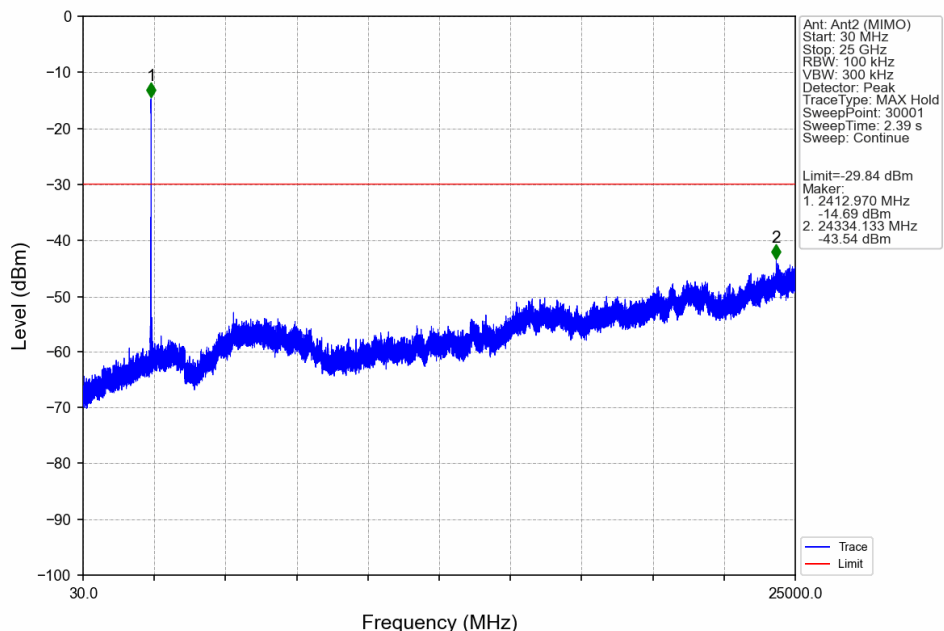
### 802.11n(HT40)\_LCH\_2422MHz\_Ant1 (MIMO)\_NTNV



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

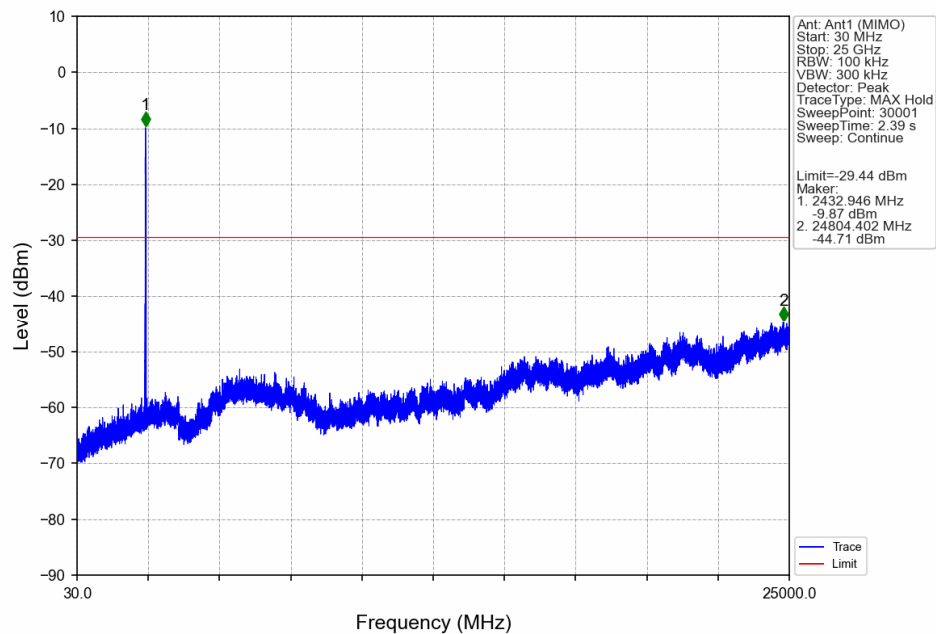


### 802.11n(HT40)\_LCH\_2422MHz\_Ant2 (MIMO)\_NTNV

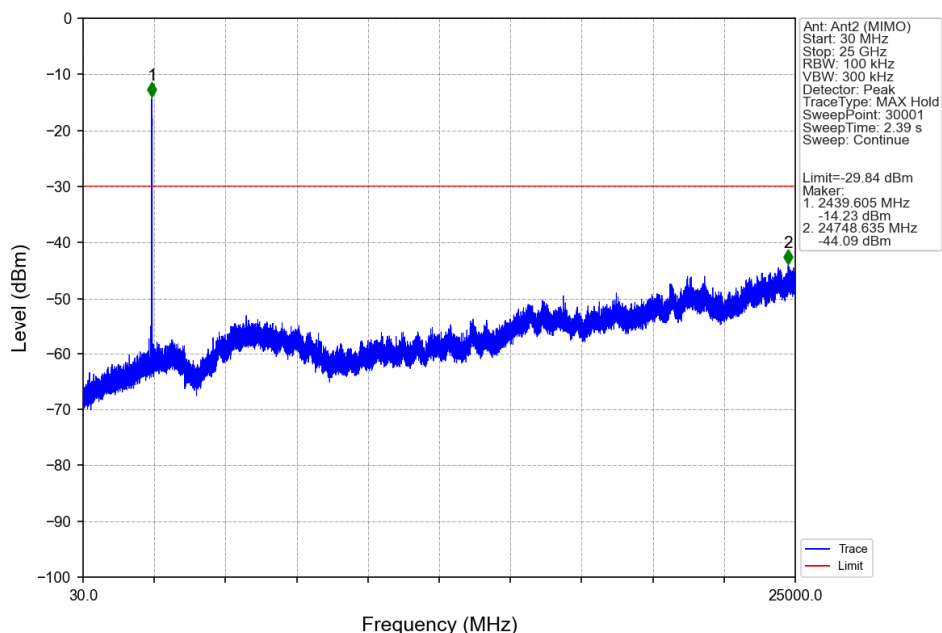




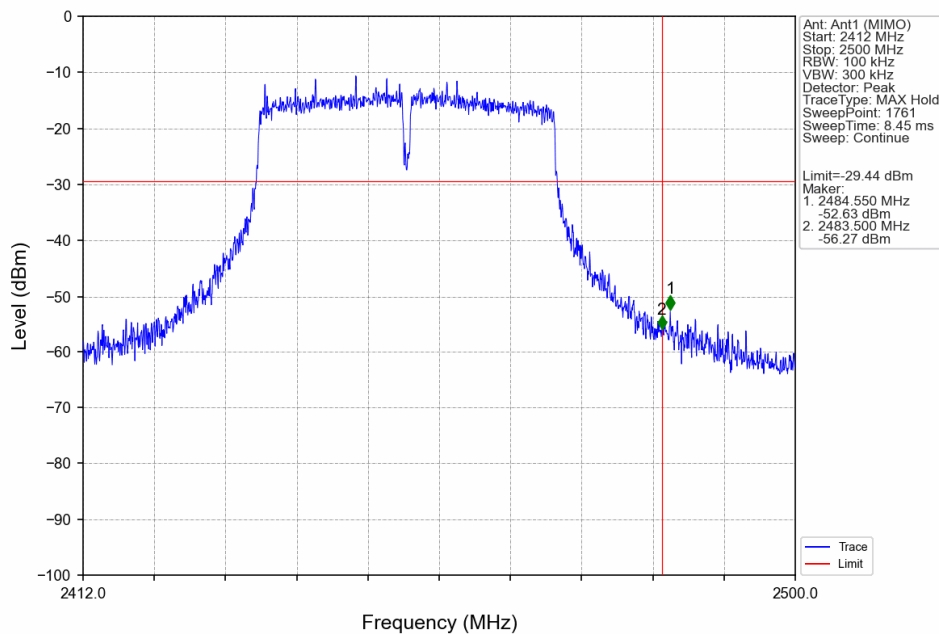
### 802.11n(HT40)\_MCH\_2437MHz\_Ant1 (MIMO)\_NTNV



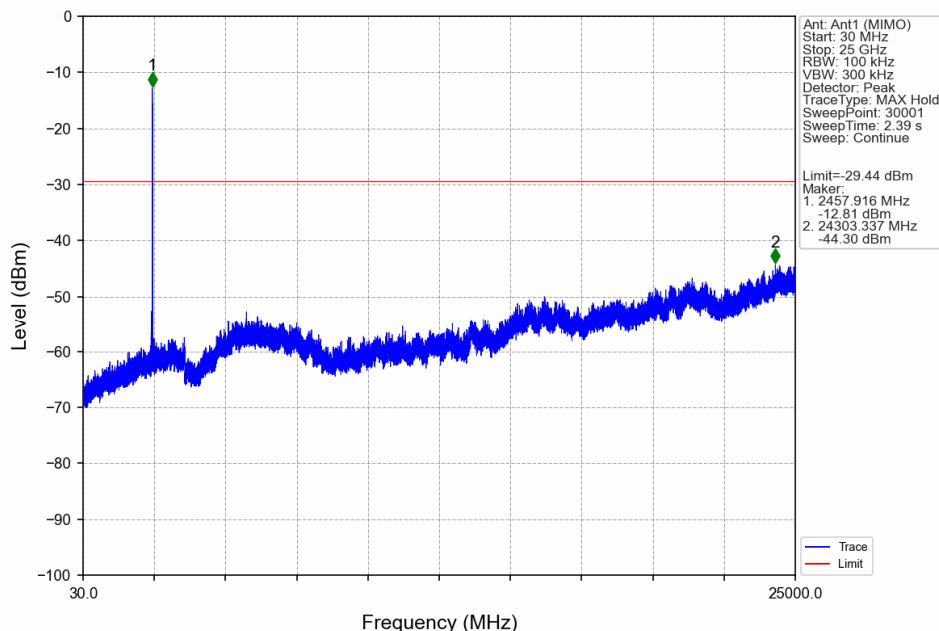
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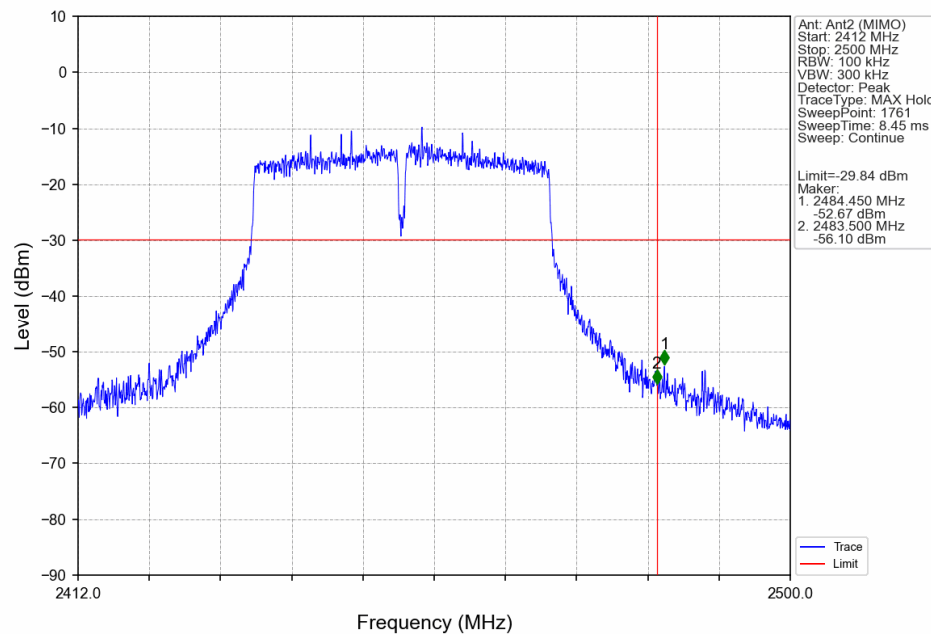
### 802.11n(HT40)\_HCH\_2452MHz\_Ant1 (MIMO)\_NTNV



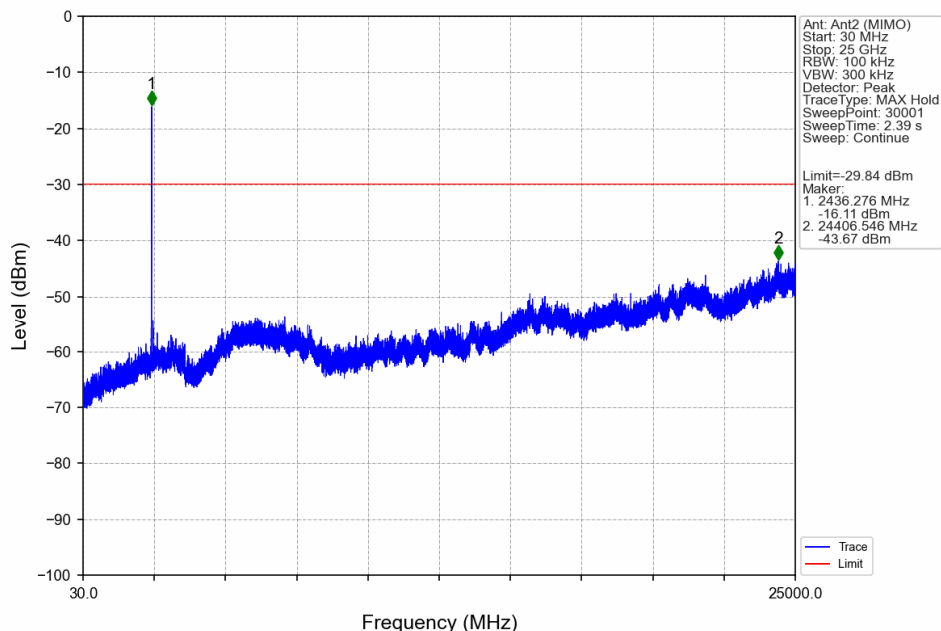
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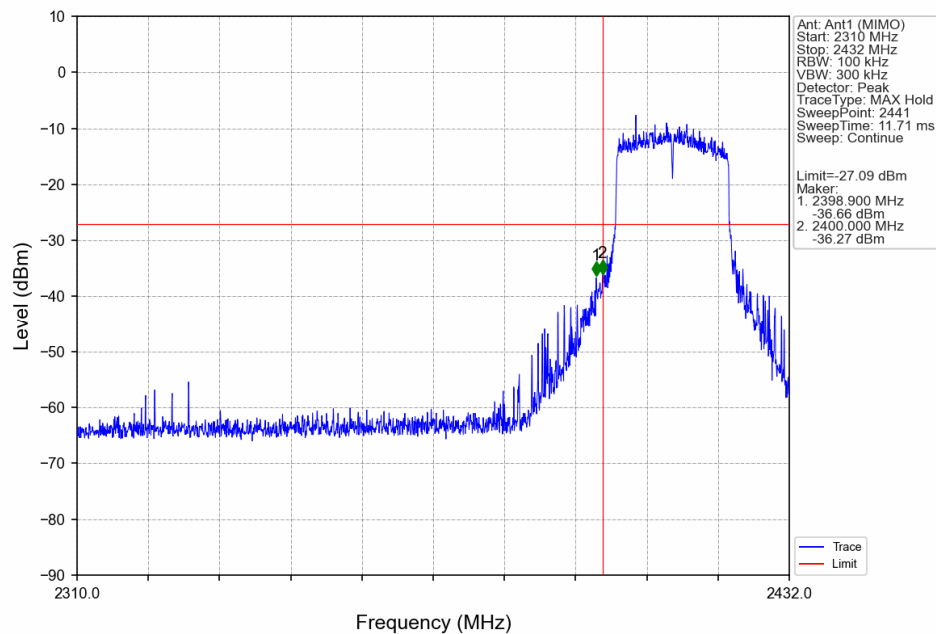
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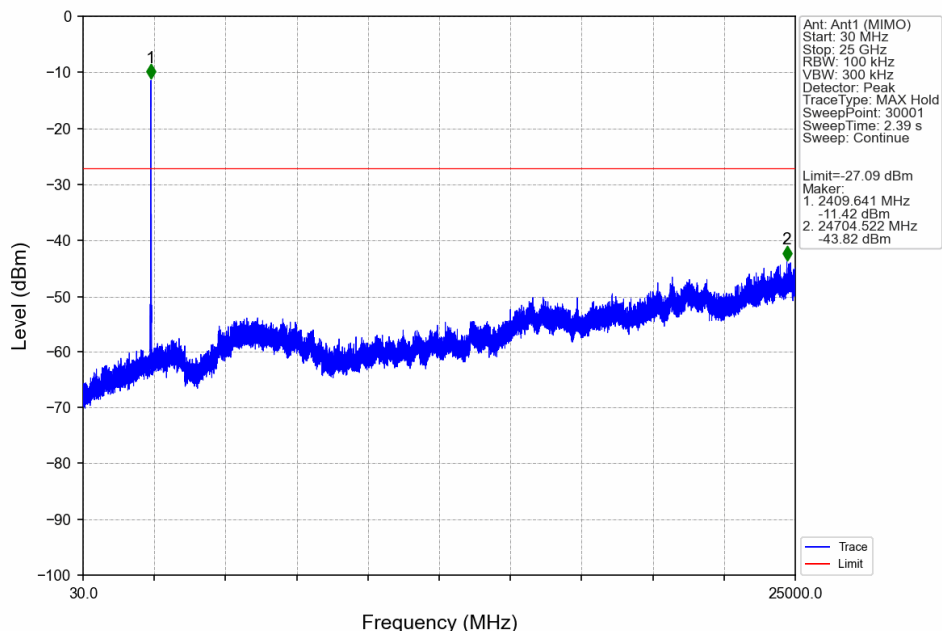
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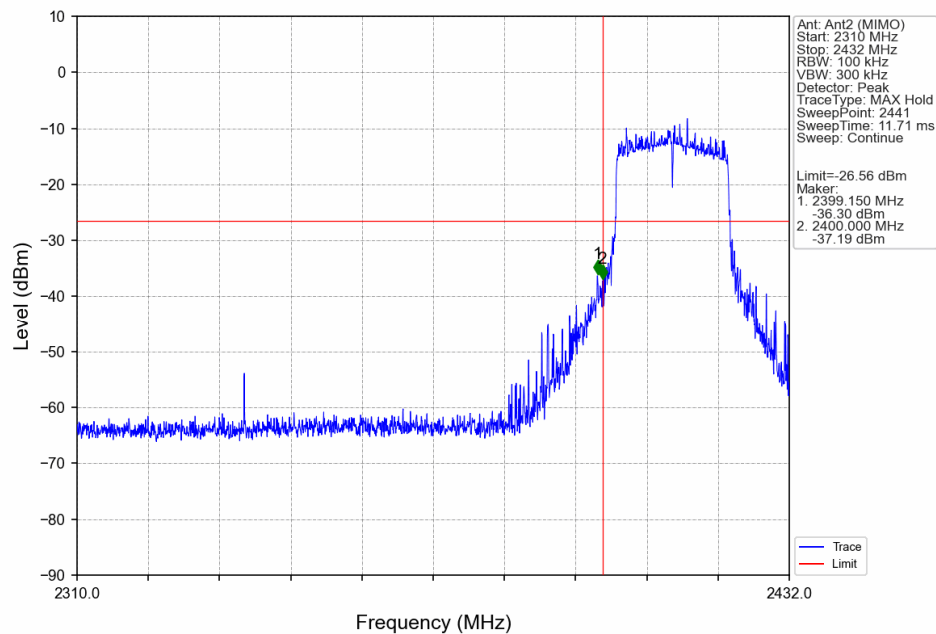
### 802.11ax(HEW20)\_LCH\_2412MHz\_RU242\_Left\_Ant1 (MIMO)\_NTNV



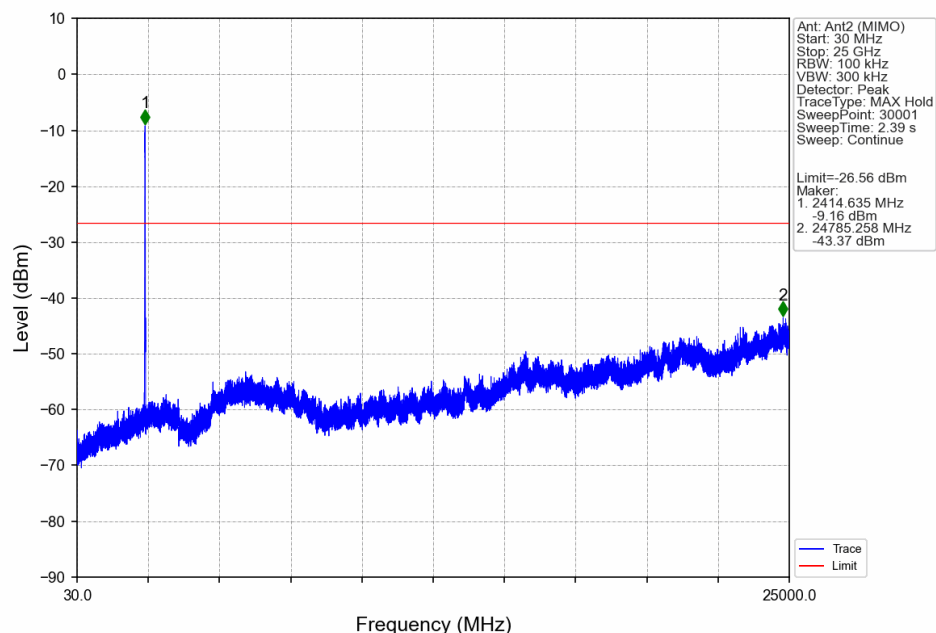
### 802.11ax(HEW20)\_LCH\_2412MHz\_RU242\_Left\_Ant1 (MIMO)\_NTNV



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

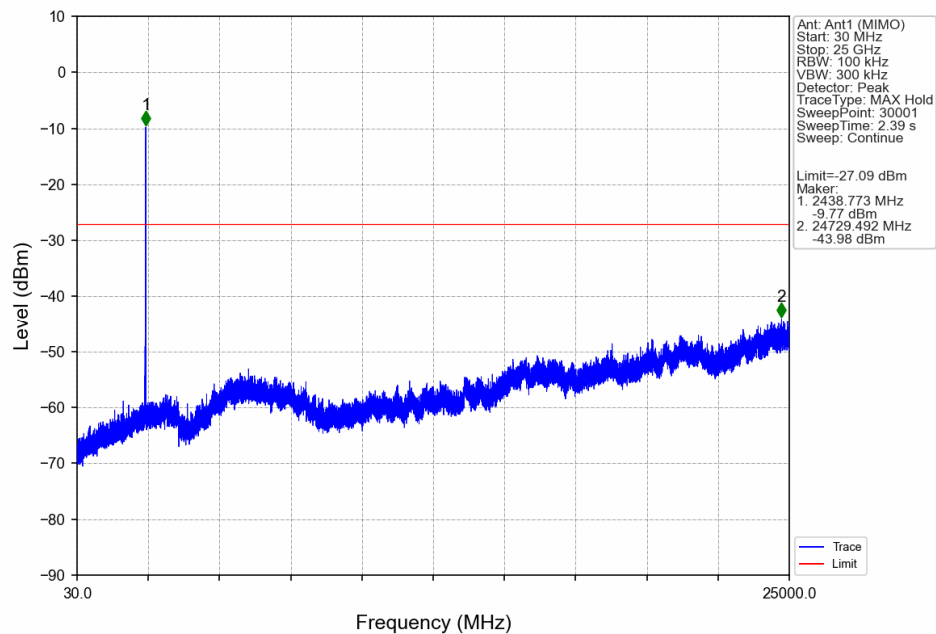


### 802.11ax(HEW20)\_LCH\_2412MHz\_RU242\_Left\_Ant2 (MIMO)\_NTNV

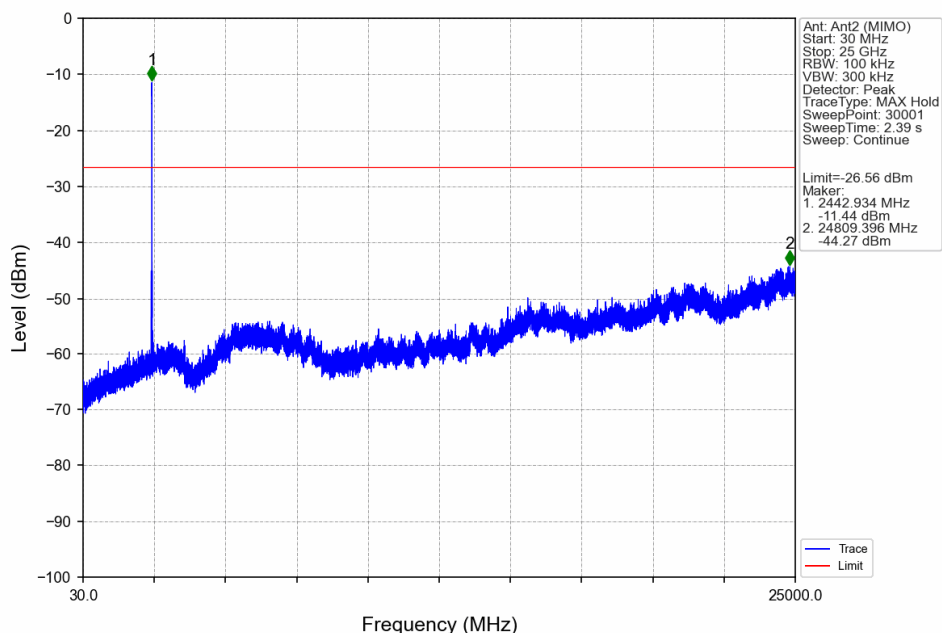




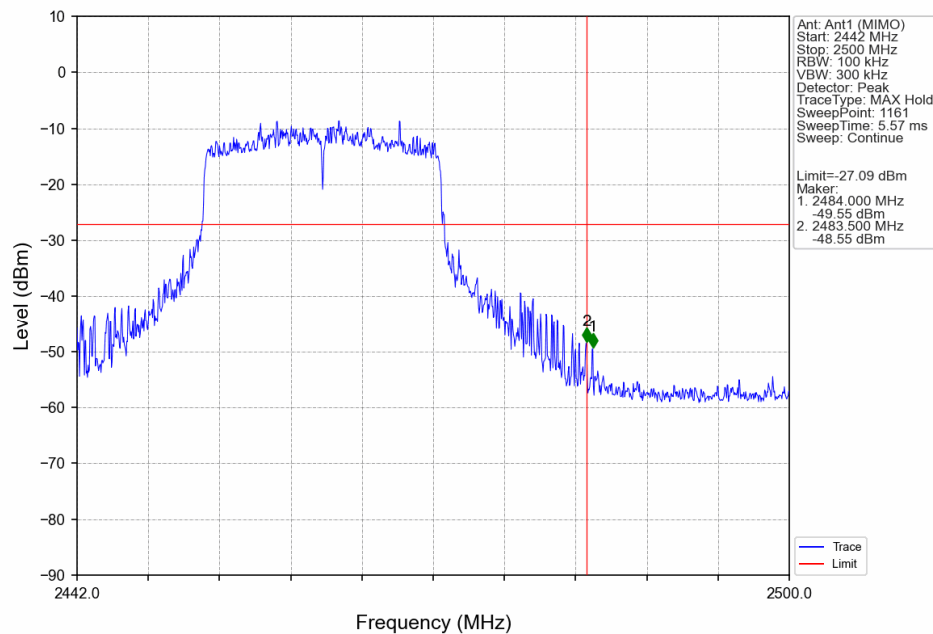
### 802.11ax(HEW20)\_MCH\_2437MHz\_RU242\_Left\_Ant1 (MIMO)\_NTNV



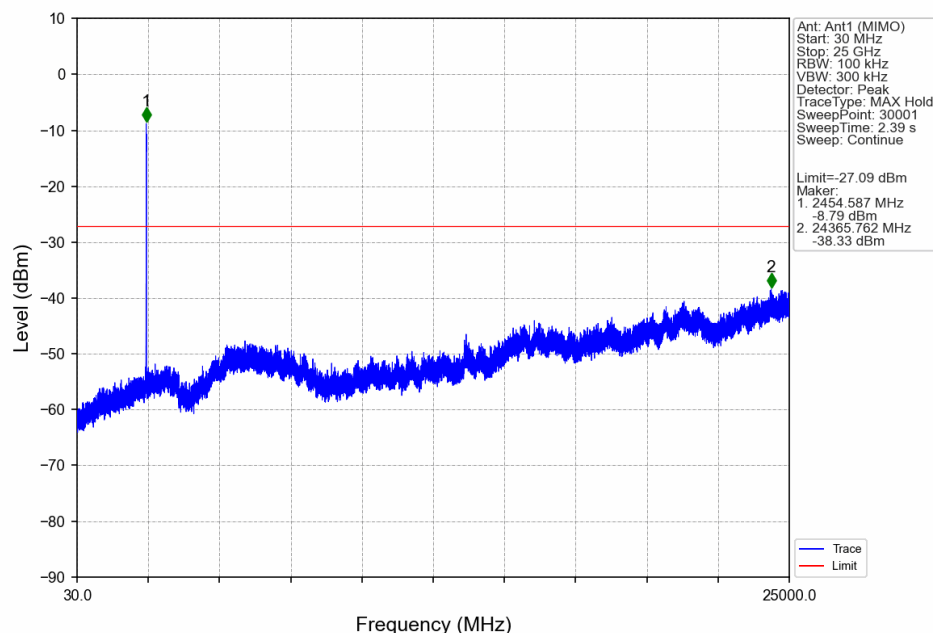
### 802.11ax(HEW20)\_MCH\_2437MHz\_RU242\_Left\_Ant2 (MIMO)\_NTNV



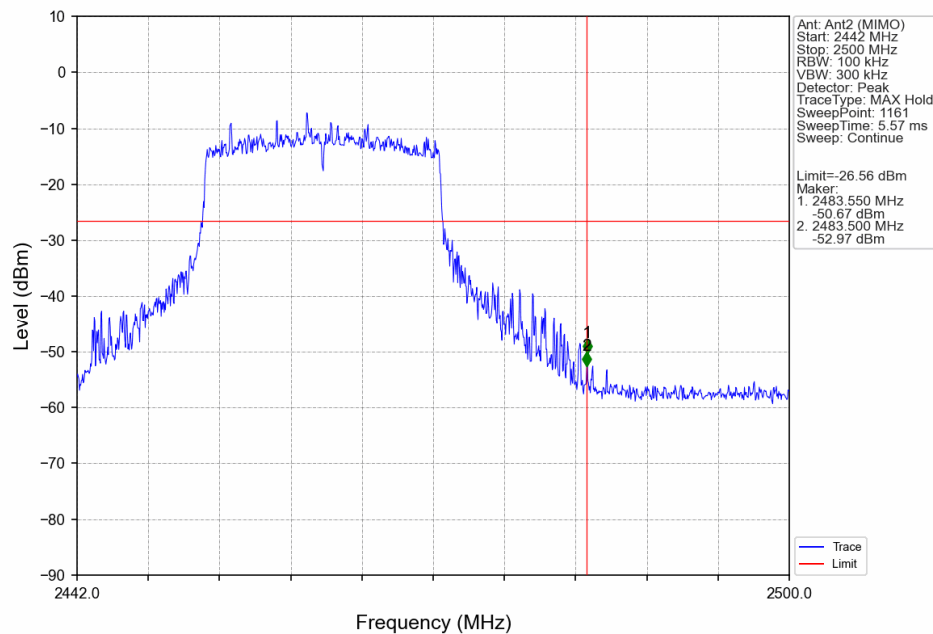
### 802.11ax(HEW20)\_HCH\_2462MHz\_RU242\_Left\_Ant1 (MIMO)\_NTNV



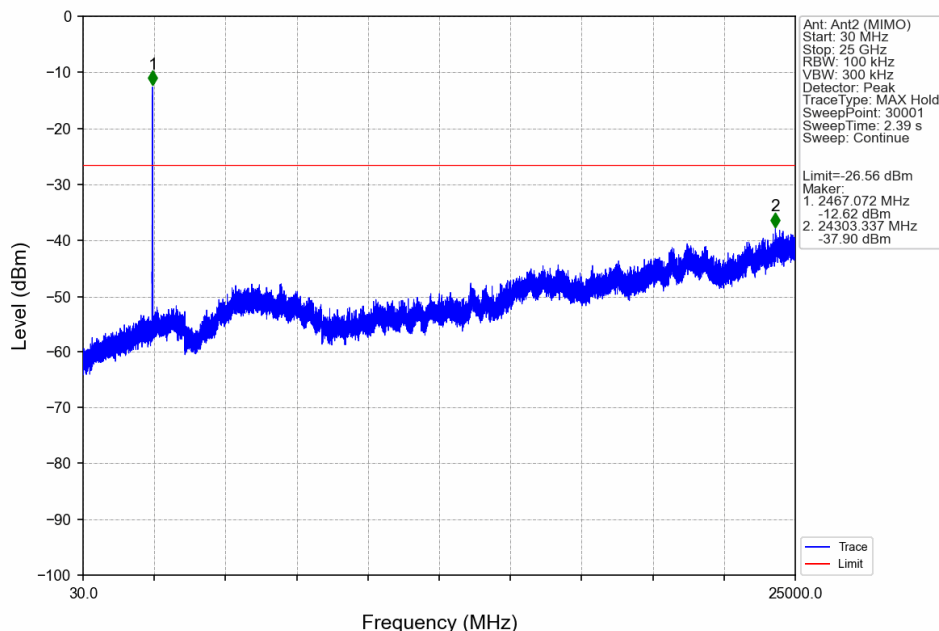
### 802.11ax(HEW20)\_HCH\_2462MHz\_RU242\_Left\_Ant1 (MIMO)\_NTNV



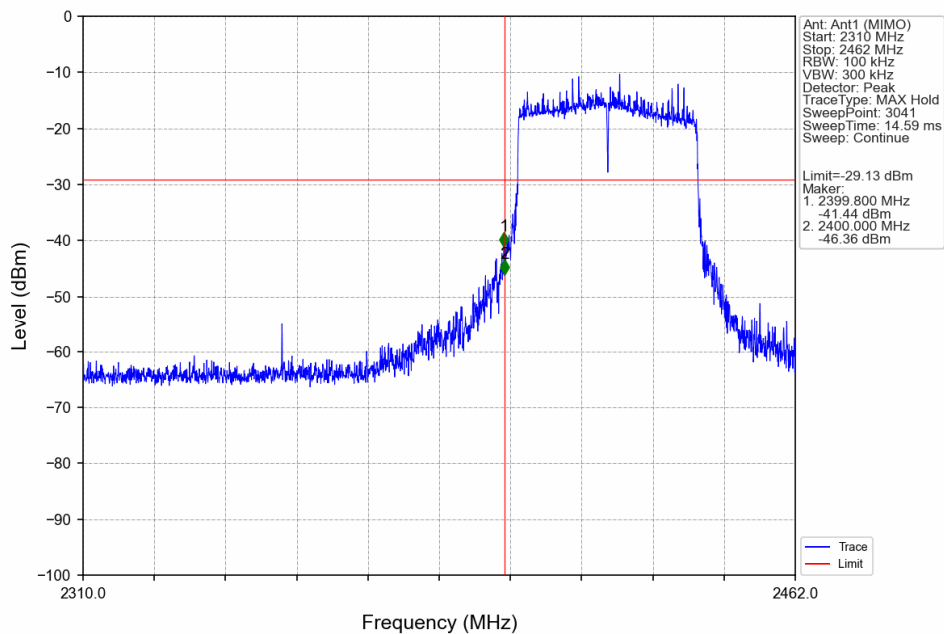
### 802.11ax(HEW20)\_HCH\_2462MHz\_RU242\_Left\_Ant2 (MIMO)\_NTNV



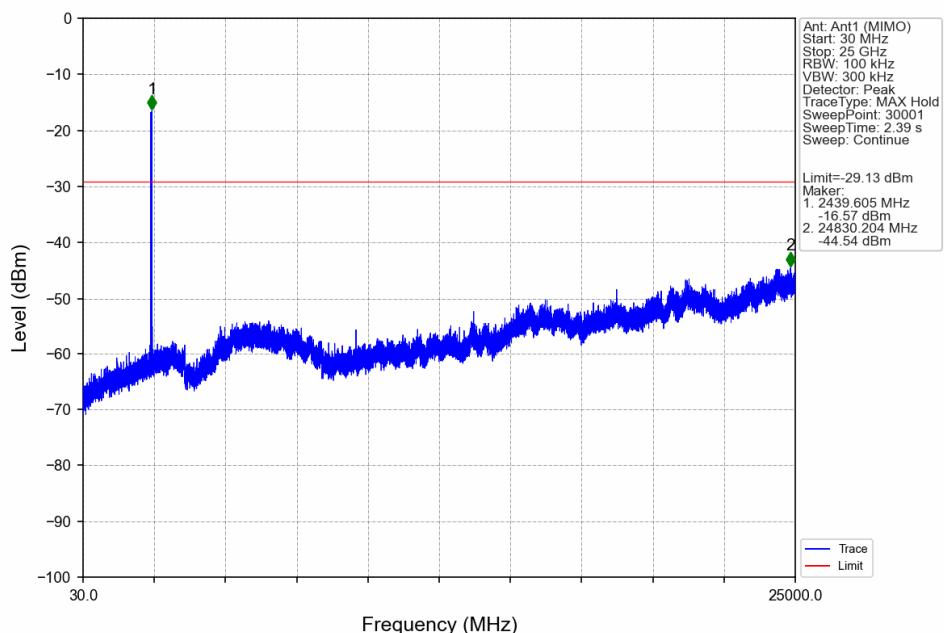
### 802.11ax(HEW20)\_HCH\_2462MHz\_RU242\_Left\_Ant2 (MIMO)\_NTNV



### 802.11ax(HEW40)\_LCH\_2422MHz\_RU484\_Left\_Ant1 (MIMO)\_NTNV

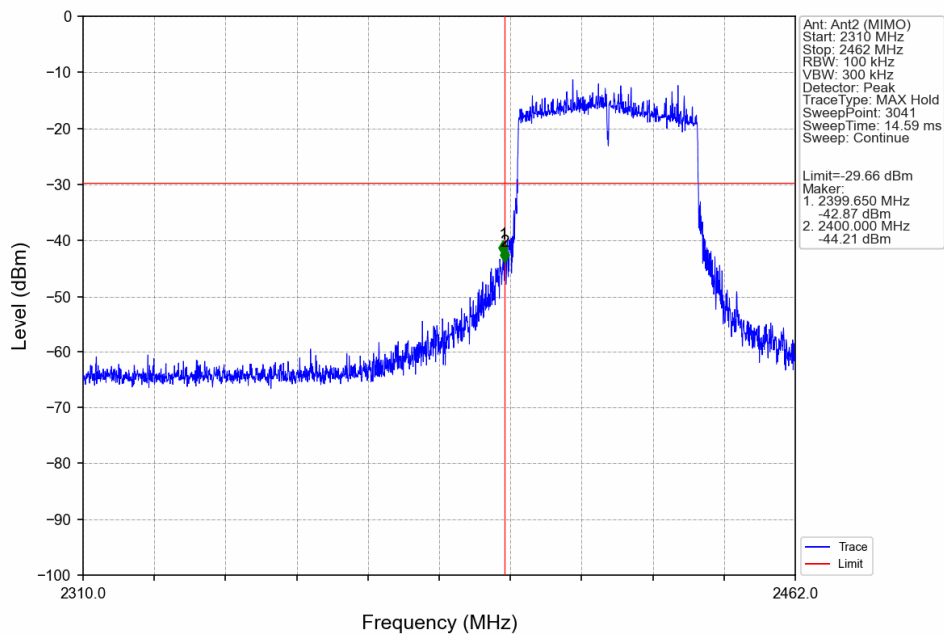


### 802.11ax(HEW40)\_LCH\_2422MHz\_RU484\_Left\_Ant1 (MIMO)\_NTNV

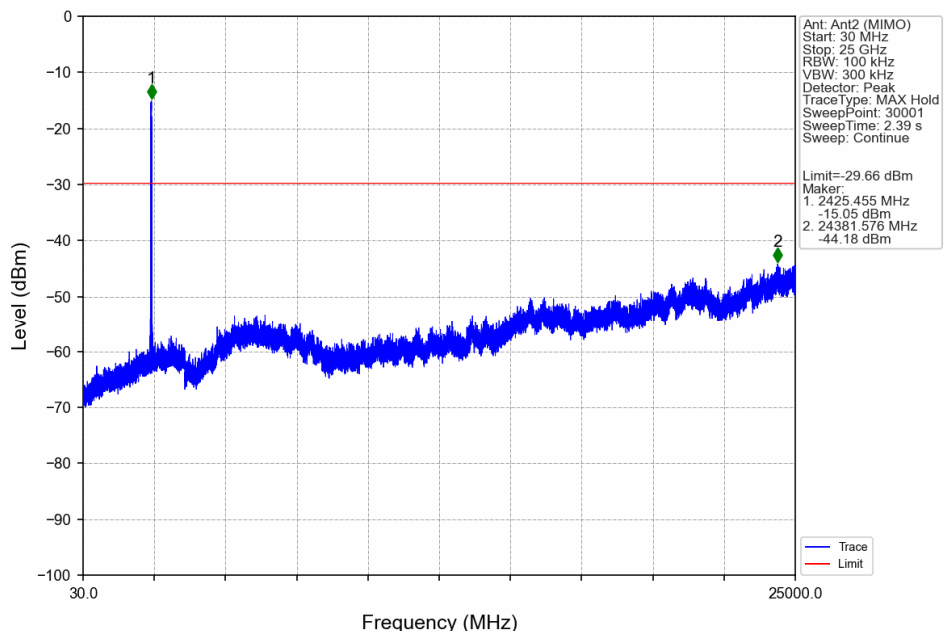




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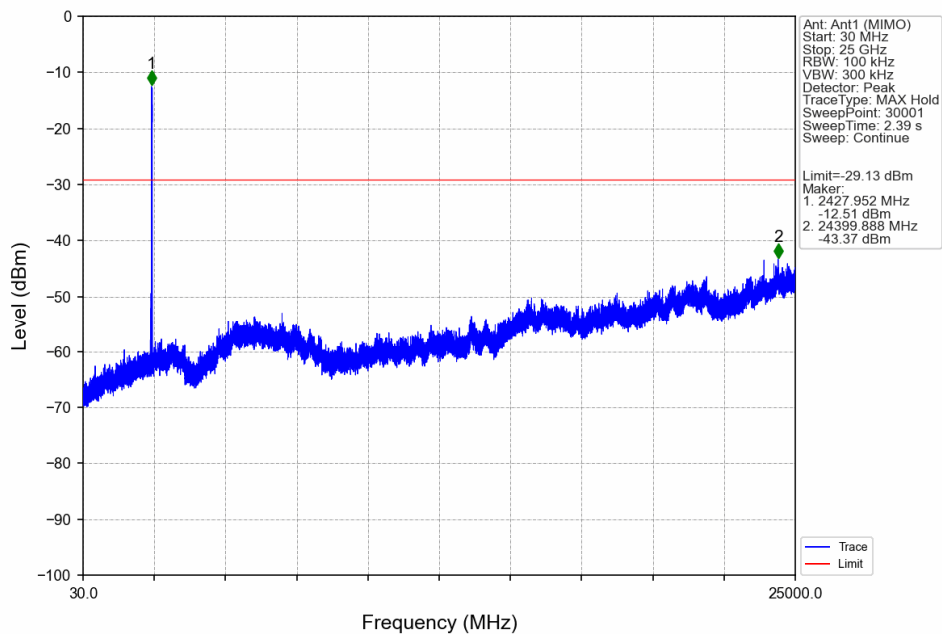


### 802.11ax(HEW40)\_LCH\_2422MHz\_RU484\_Left\_Ant2 (MIMO)\_NTNV

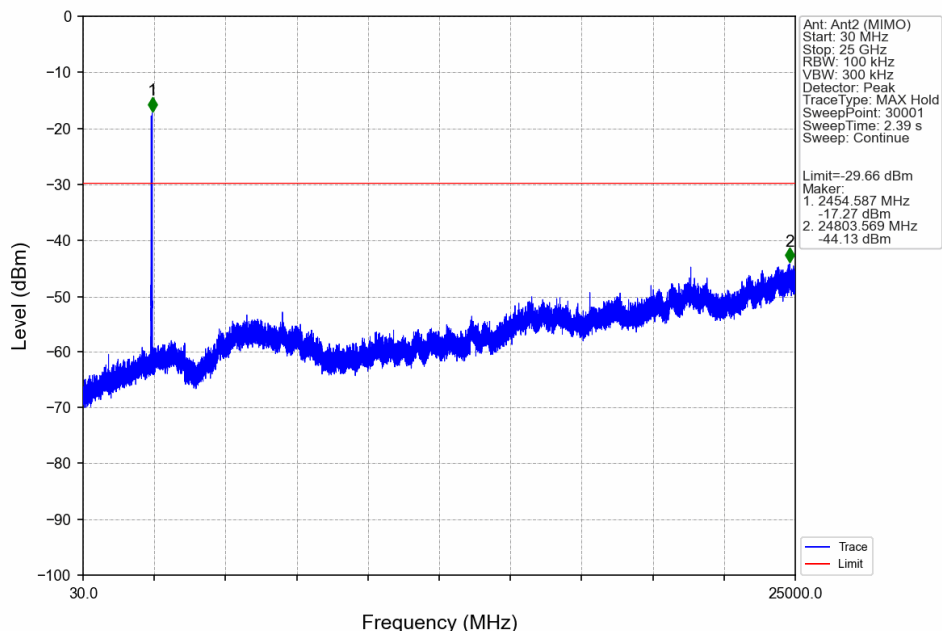




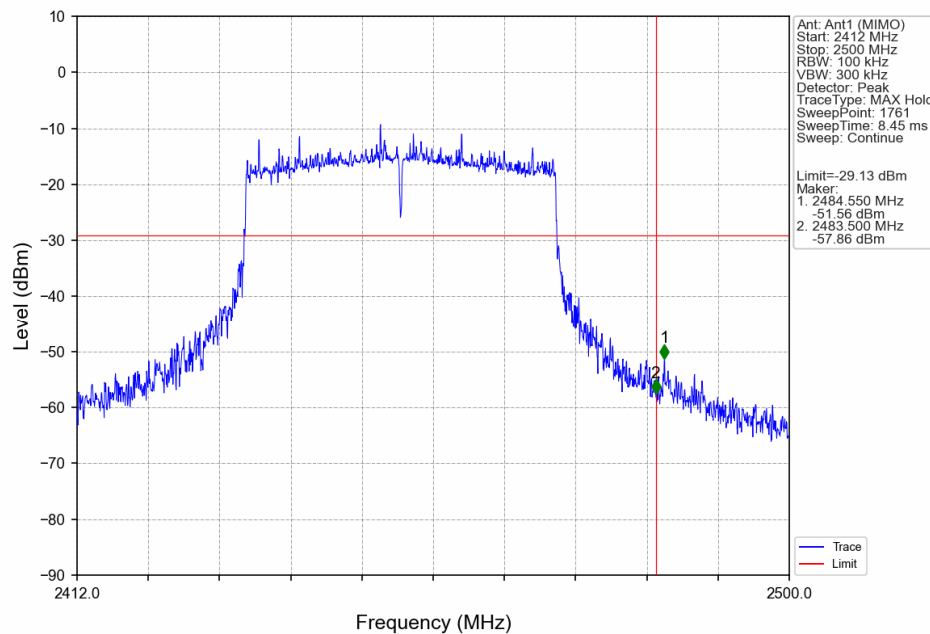
### 802.11ax(HEW40)\_MCH\_2437MHz\_RU484\_Left\_Ant1 (MIMO)\_NTNV



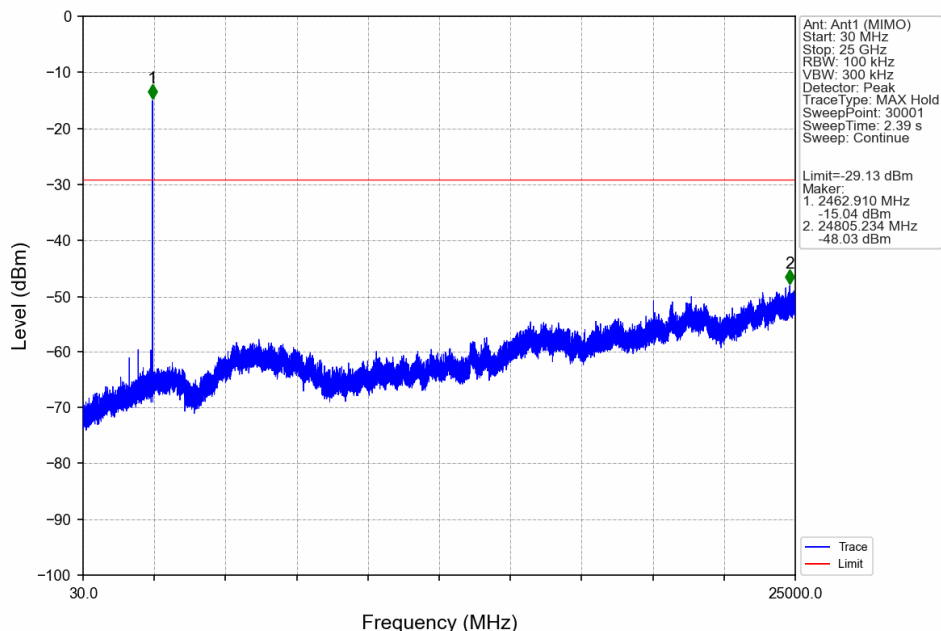
### 802.11ax(HEW40)\_MCH\_2437MHz\_RU484\_Left\_Ant2 (MIMO)\_NTNV



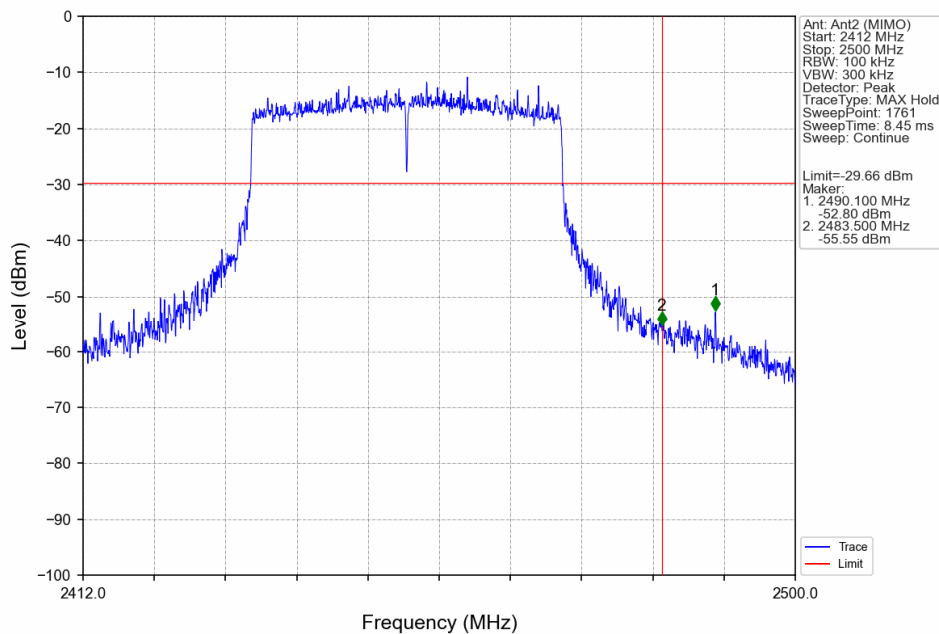
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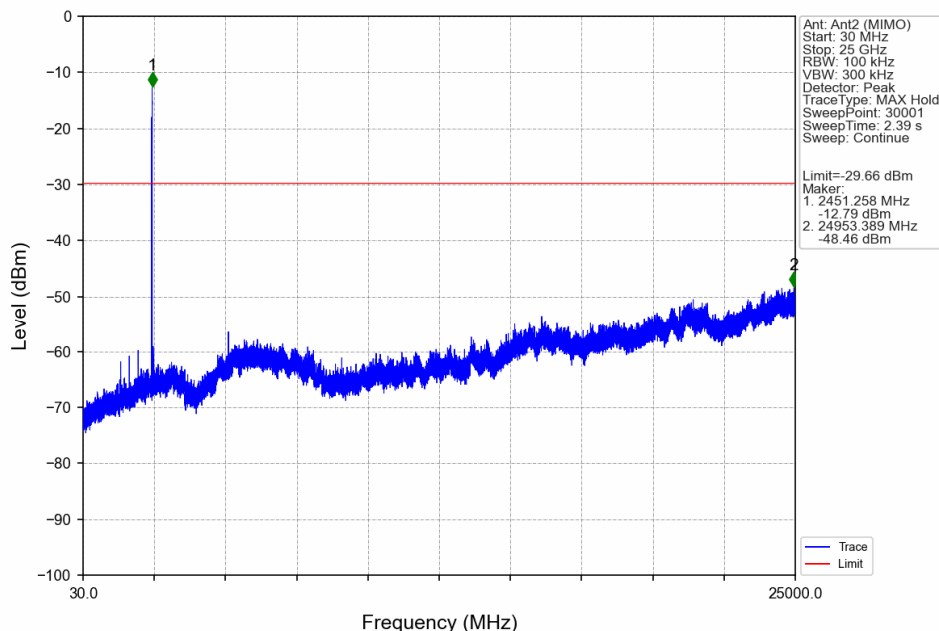
### 802.11ax(HEW40)\_HCH\_2452MHz\_RU484\_Left\_Ant1 (MIMO)\_NTNV



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



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



- End of the Report -

