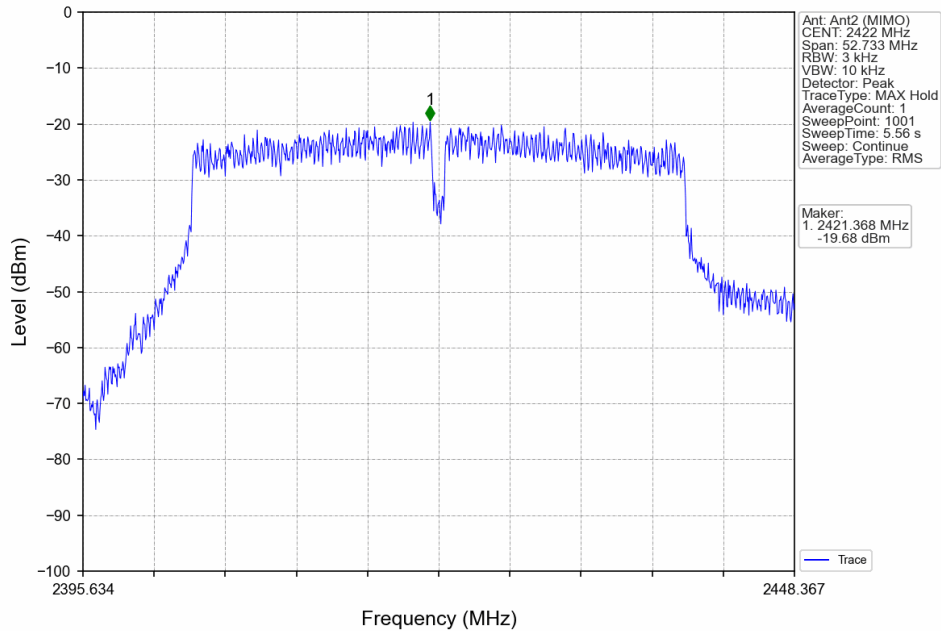
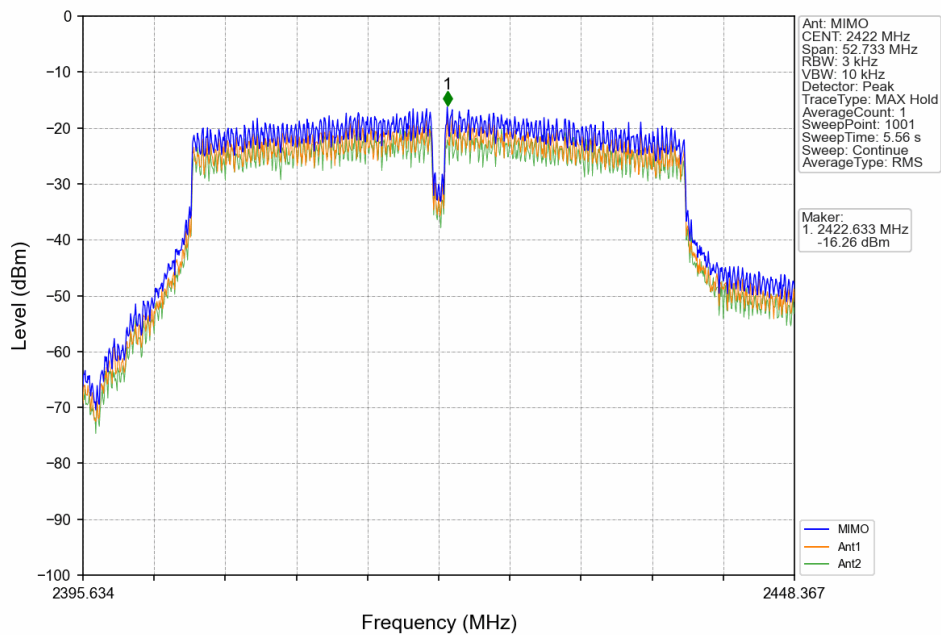


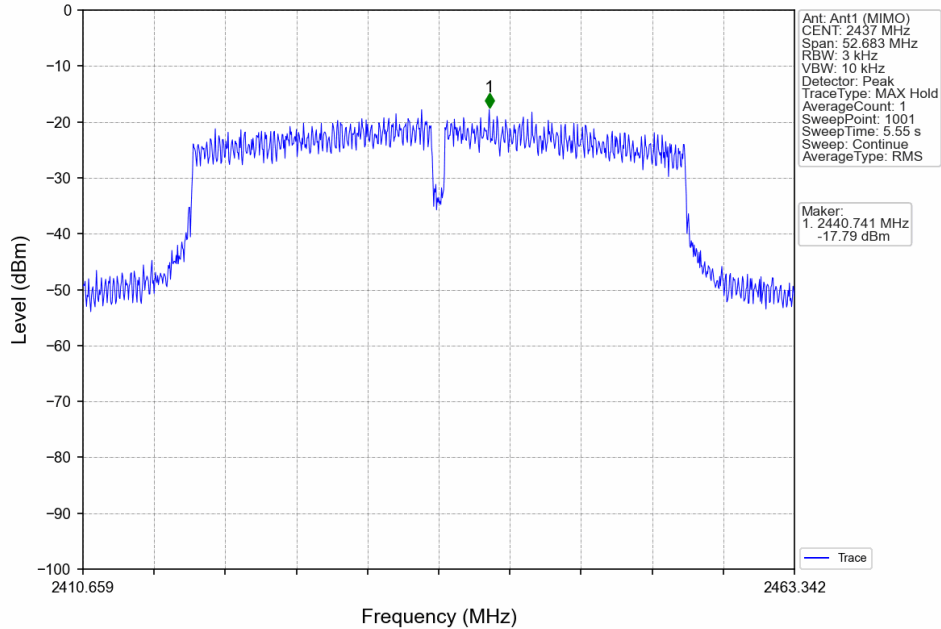
### 802.11ac(VHT40)\_LCH\_2422MHz\_Ant2 (MIMO)\_NTNV



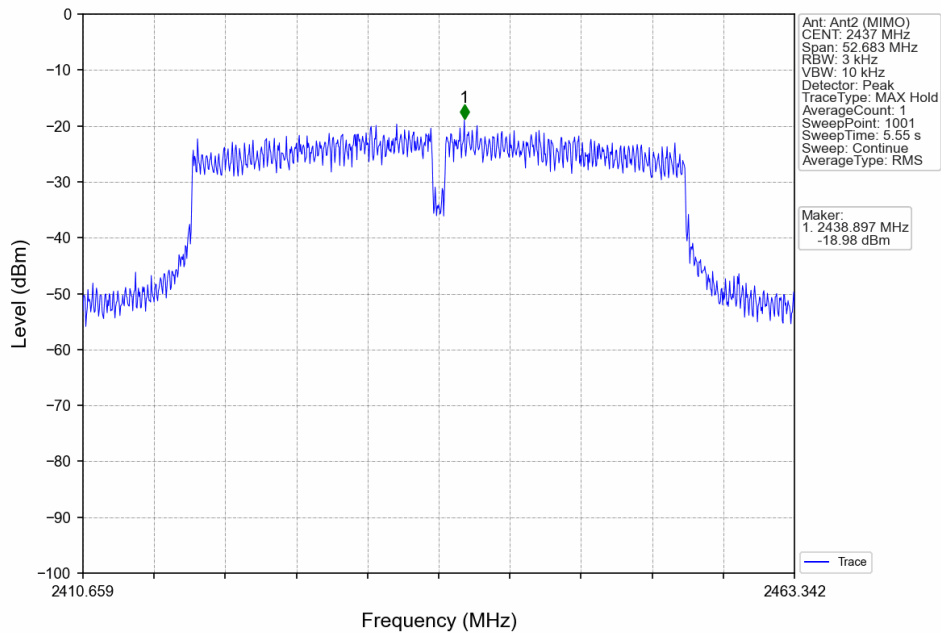
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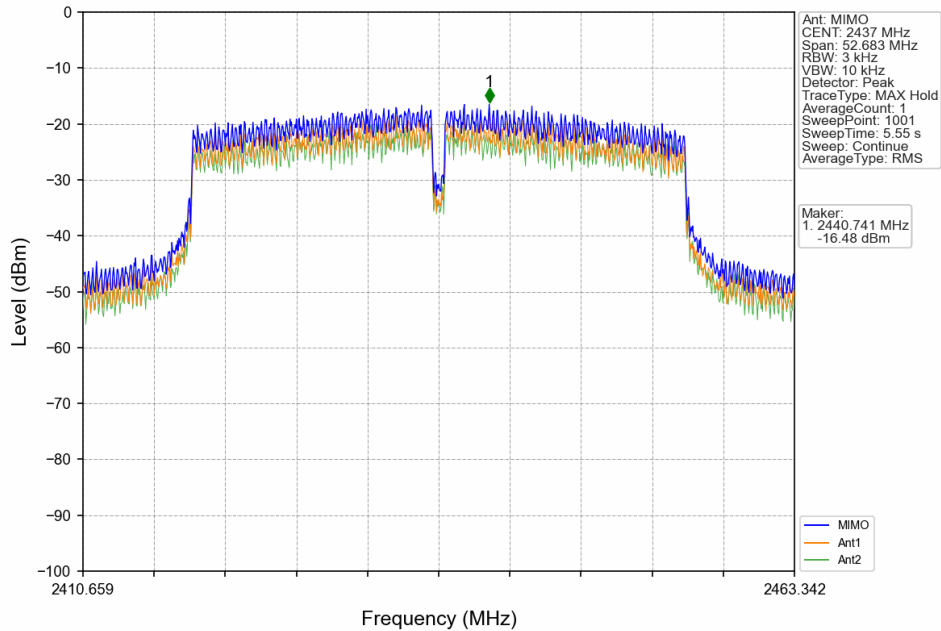
### 802.11ac(VHT40)\_MCH\_2437MHz\_Ant1 (MIMO)\_NTNV



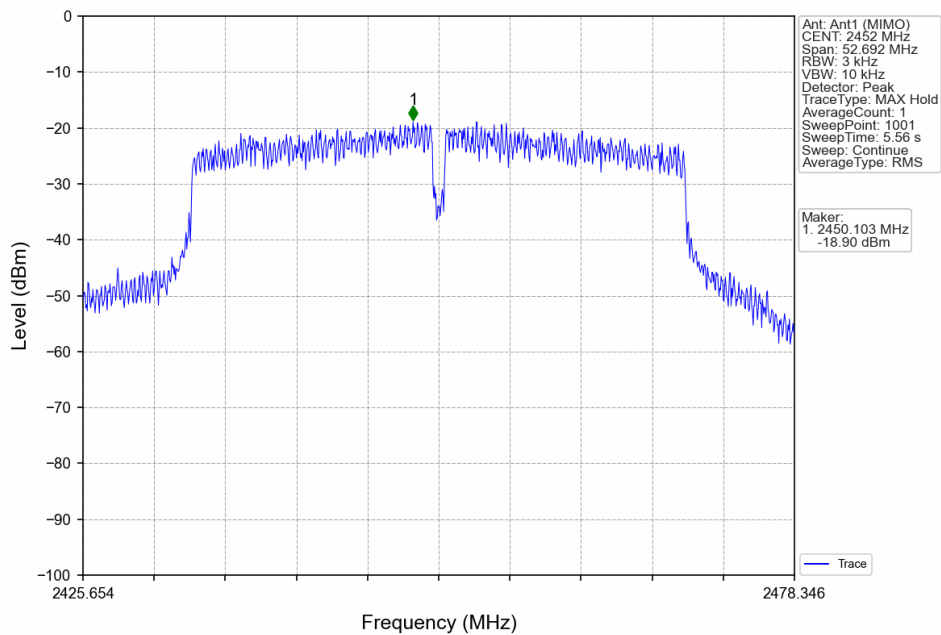
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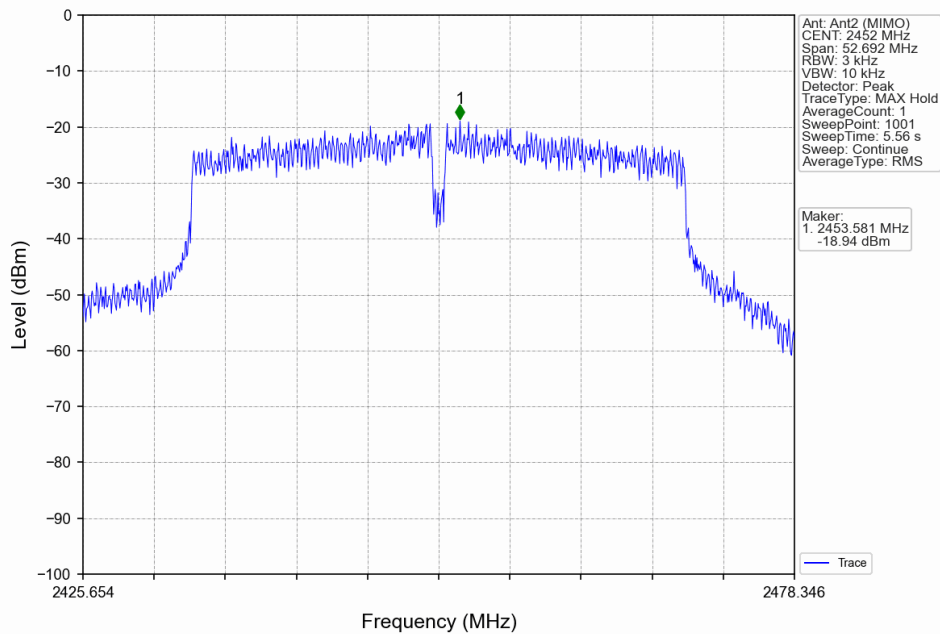
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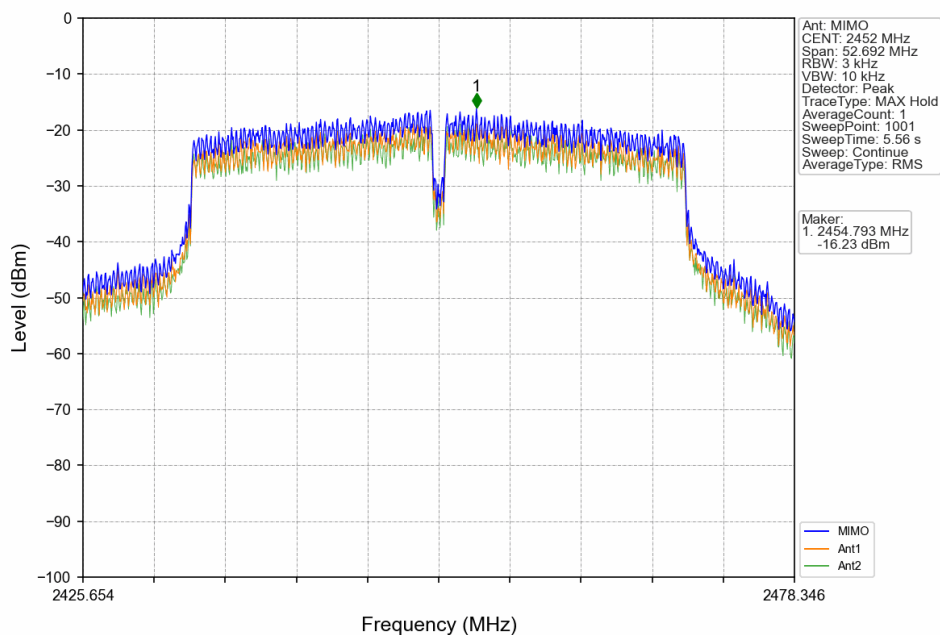
### 802.11ac(VHT40)\_HCH\_2452MHz\_Ant1 (MIMO)\_NTNV



### 802.11ac(VHT40)\_HCH\_2452MHz\_Ant2 (MIMO)\_NTNV



### 802.11ac(VHT40)\_HCH\_2452MHz\_MIMO\_NTNV



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

### 5.1 Ref

#### 5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Reference (dBm)
802.11b	MIMO	2412	/	/	1	16.74
					2	16.28
		2437	/	/	1	17.11
					2	17.00
		2462	/	/	1	17.76
					2	17.48
802.11g	MIMO	2412	/	/	1	15.02
					2	13.98
		2437	/	/	1	15.92
					2	16.04
		2462	/	/	1	15.82
					2	16.26
802.11n (HT20)	MIMO	2412	/	/	1	15.09
					2	14.04
		2437	/	/	1	15.93
					2	16.05
		2462	/	/	1	16.31
					2	15.80
802.11n (HT40)	MIMO	2422	/	/	1	12.07
					2	11.78
		2437	/	/	1	12.69
					2	12.35
		2452	/	/	1	12.02
					2	12.00
802.11ax (HEW20)	MIMO	2412	RU242	Left	1	15.39
					2	14.17

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		2437	RU242	Left	1	15.80
					2	15.24
		2462	RU242	Left	1	15.94
					2	15.57
802.11ax (HEW40)	MIMO	2422	RU484	Left	1	10.35
					2	10.25
		2437	RU484	Left	1	12.33
					2	12.44
		2452	RU484	Left	1	12.31
					2	12.46
802.11ac (VHT20)	MIMO	2412	/	/	1	15.91
					2	14.74
		2437	/	/	1	16.24
					2	15.78
		2462	/	/	1	15.92
					2	16.17
802.11ac (VHT40)	MIMO	2422	/	/	1	10.40
					2	10.34
		2437	/	/	1	12.45
					2	12.15
		2452	/	/	1	12.25
					2	12.14



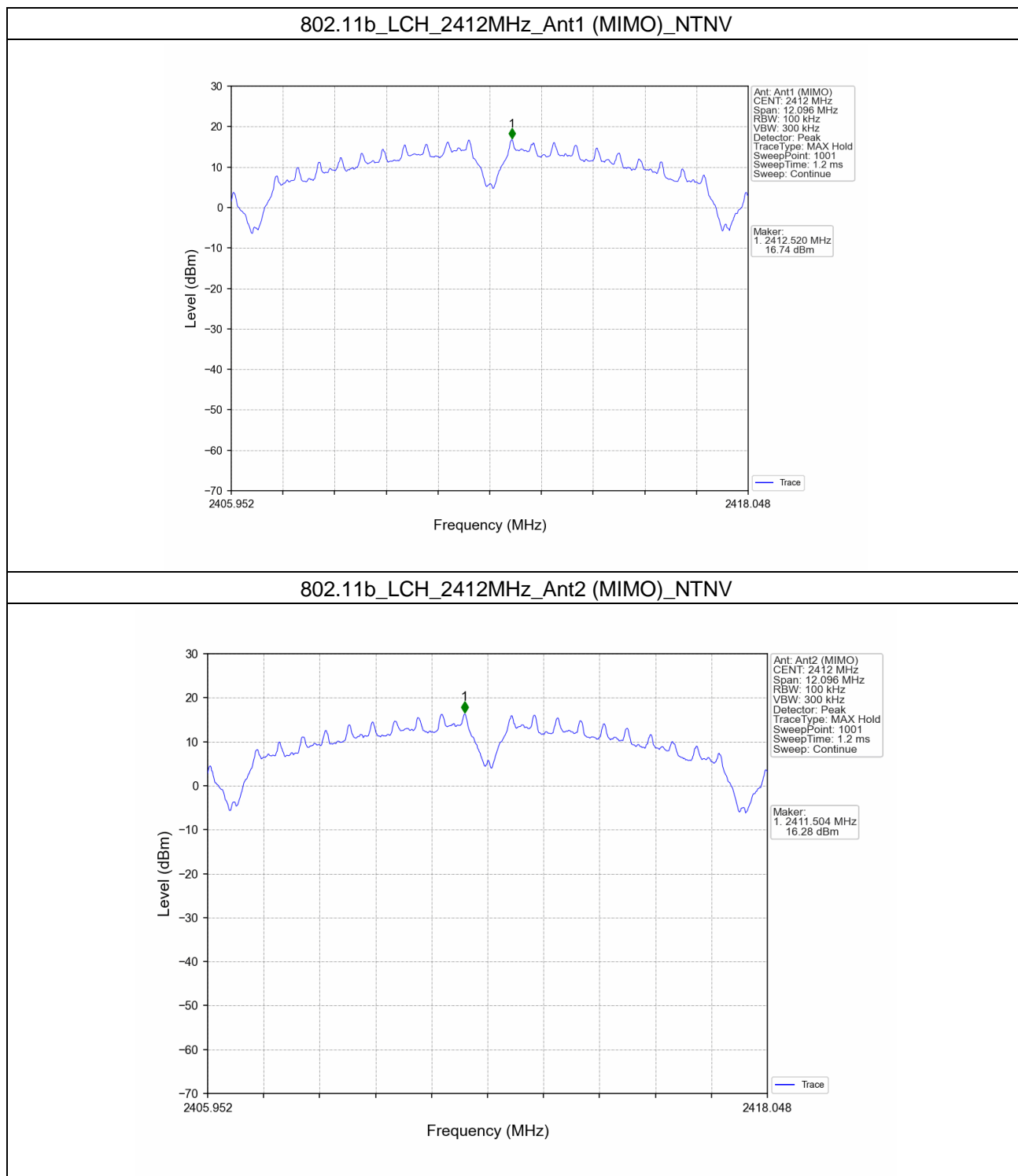
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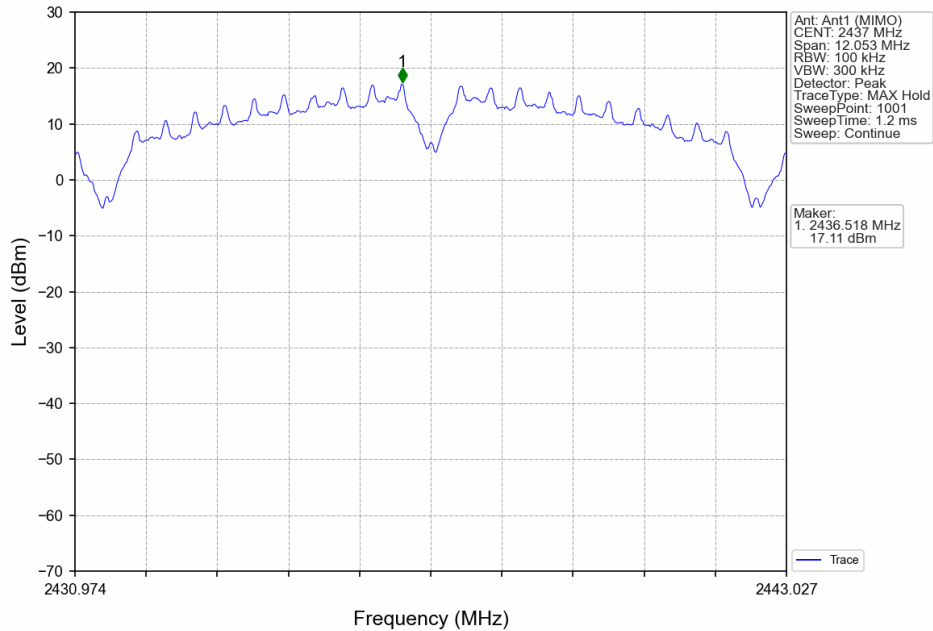
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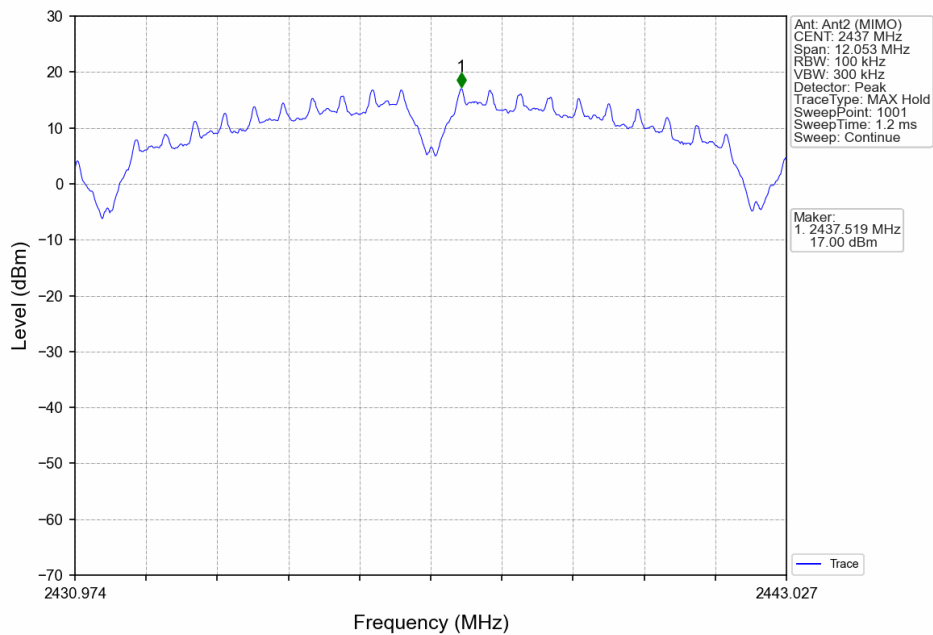
### 5.1.2 Test Graph



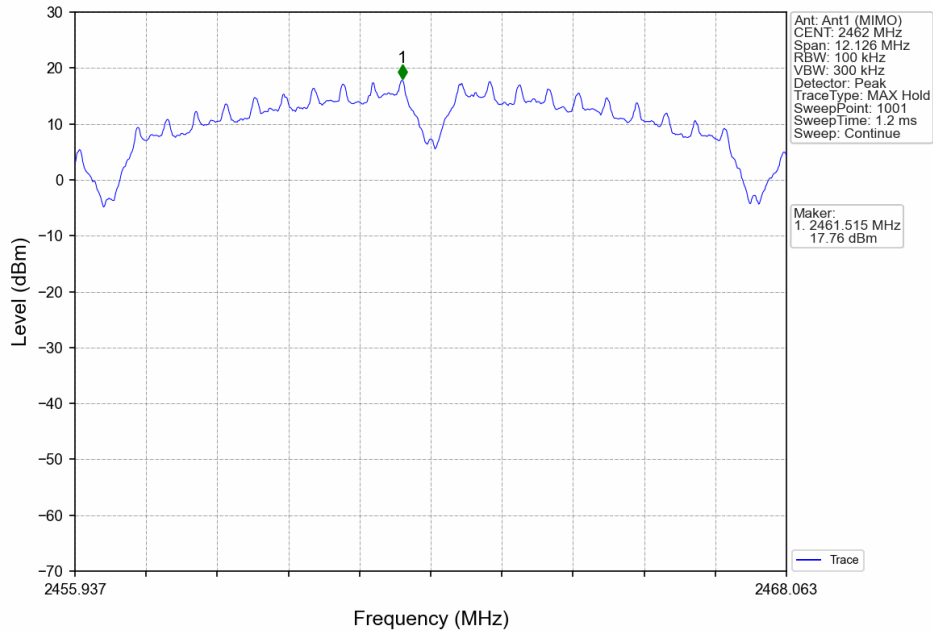
### 802.11b\_MCH\_2437MHz\_Ant1 (MIMO)\_NTNV



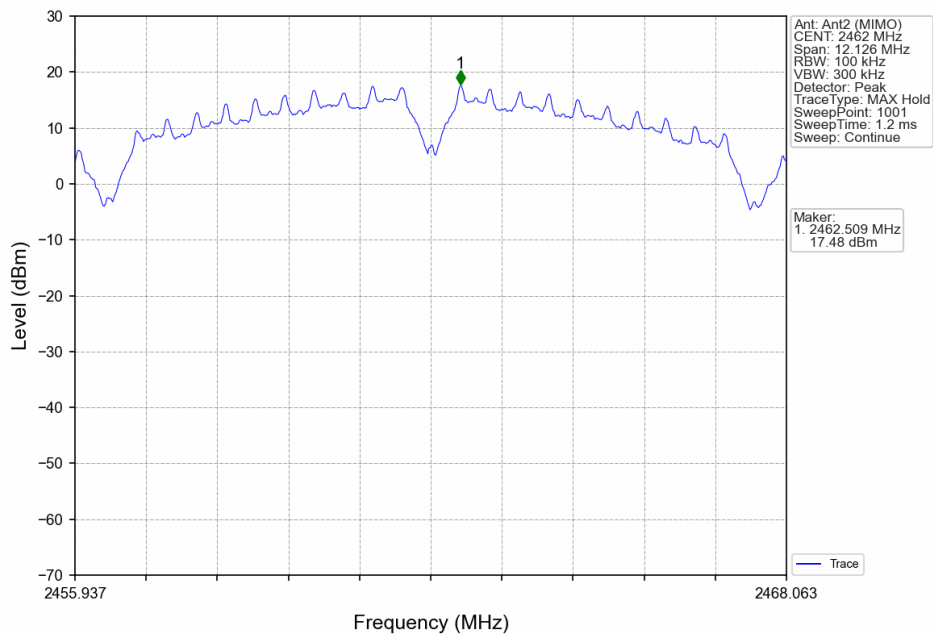
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802.11b\_HCH\_2462MHz\_Ant1 (MIMO)\_NTNV



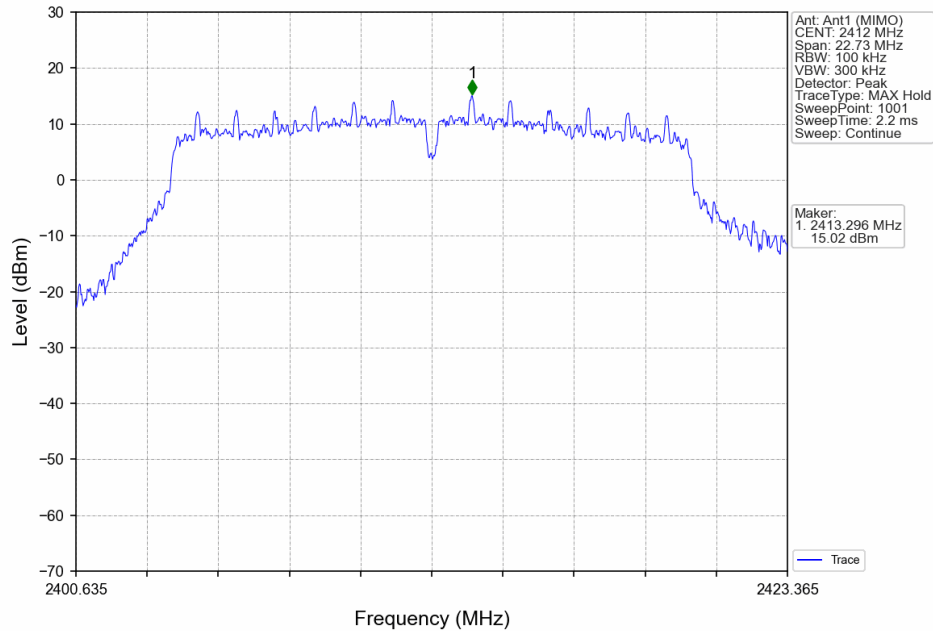
802.11b\_HCH\_2462MHz\_Ant2 (MIMO)\_NTNV



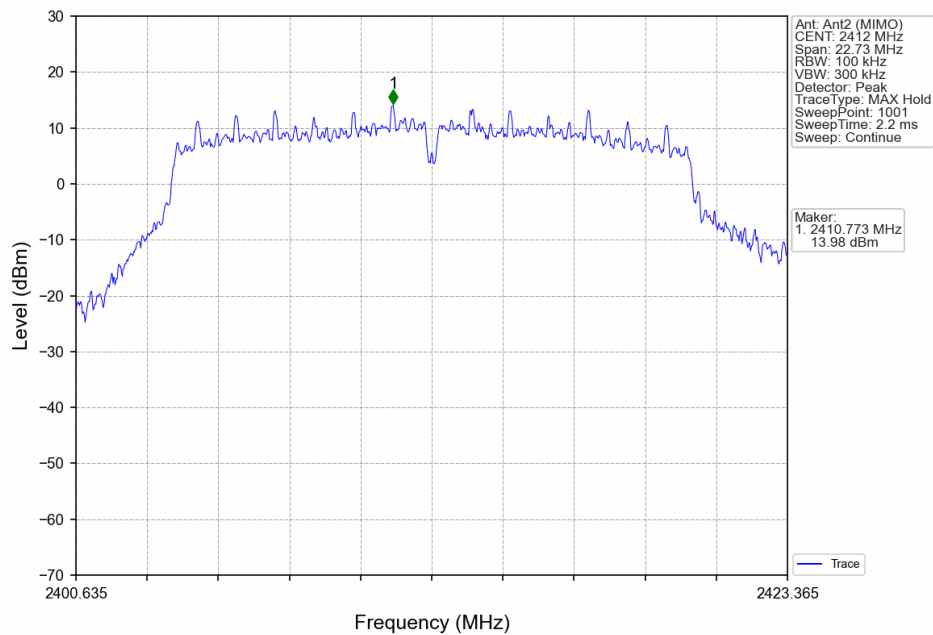
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802.11g\_LCH\_2412MHz\_Ant1 (MIMO)\_NTNV



802.11g\_LCH\_2412MHz\_Ant2 (MIMO)\_NTNV



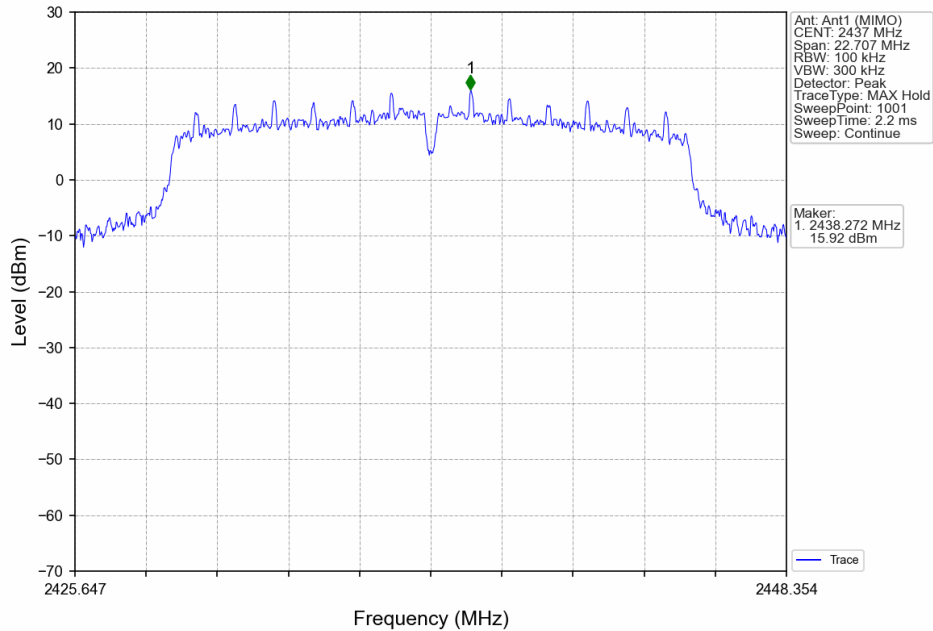
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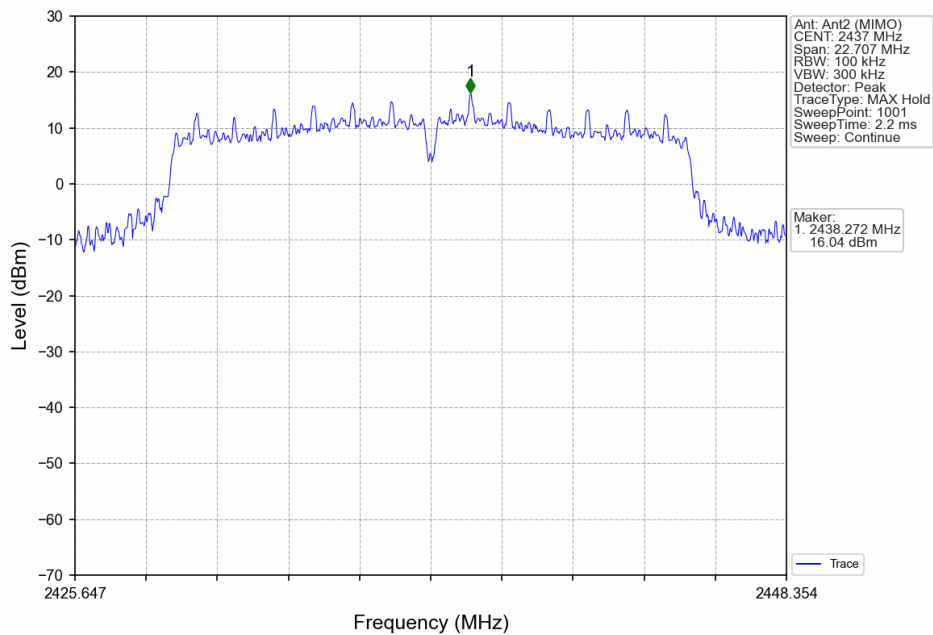
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### 802.11g\_MCH\_2437MHz\_Ant1 (MIMO)\_NTNV



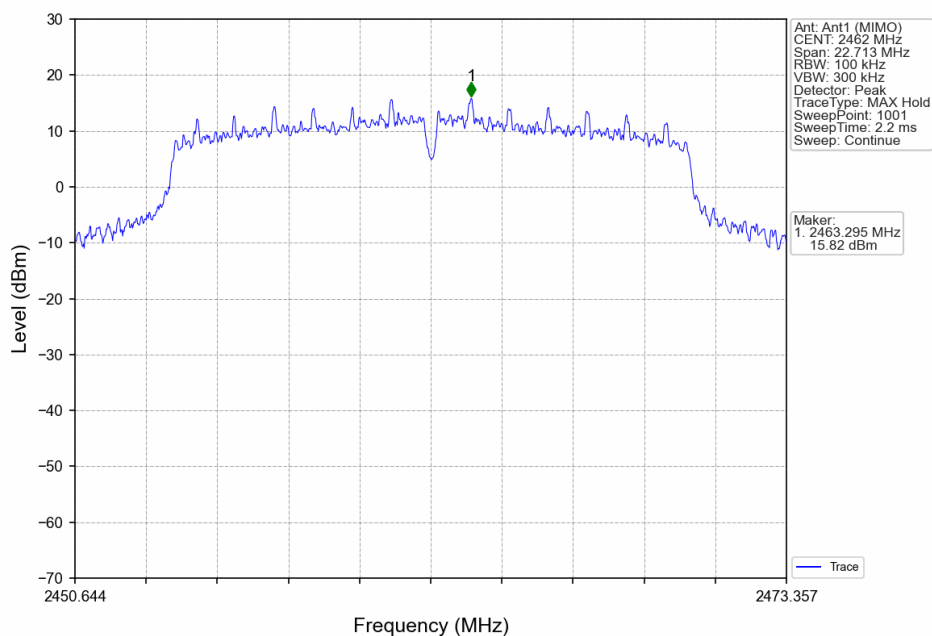
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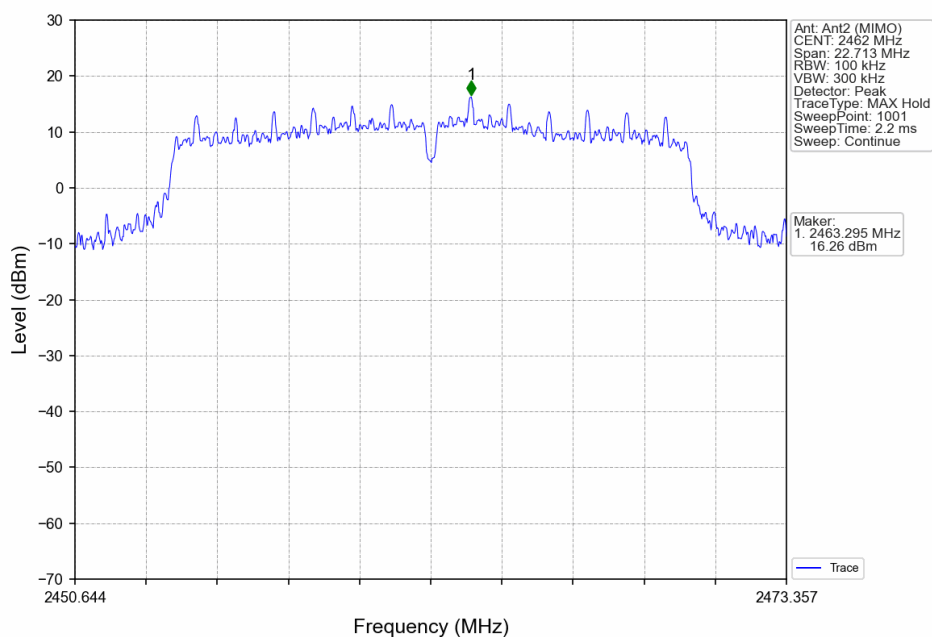
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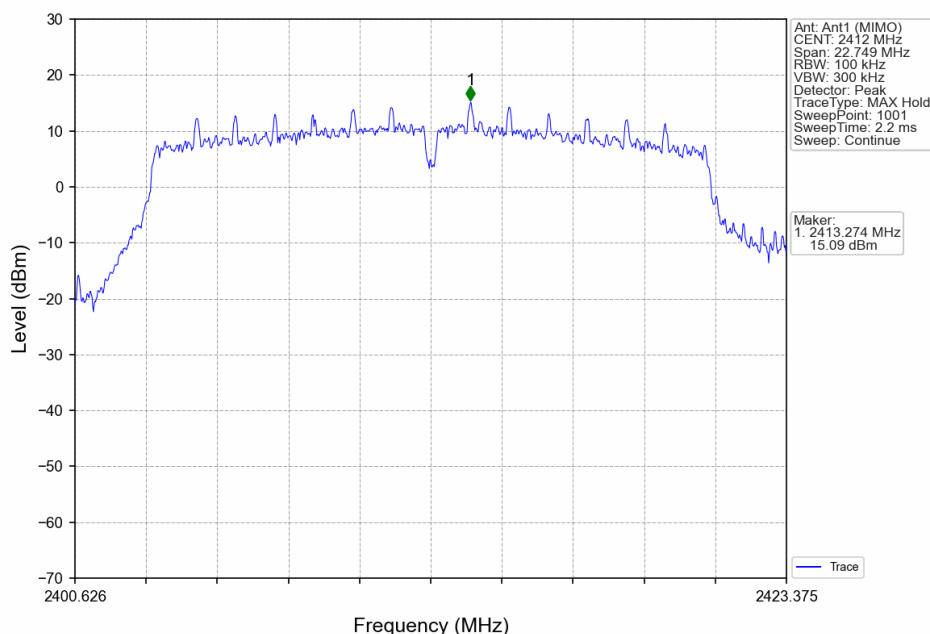
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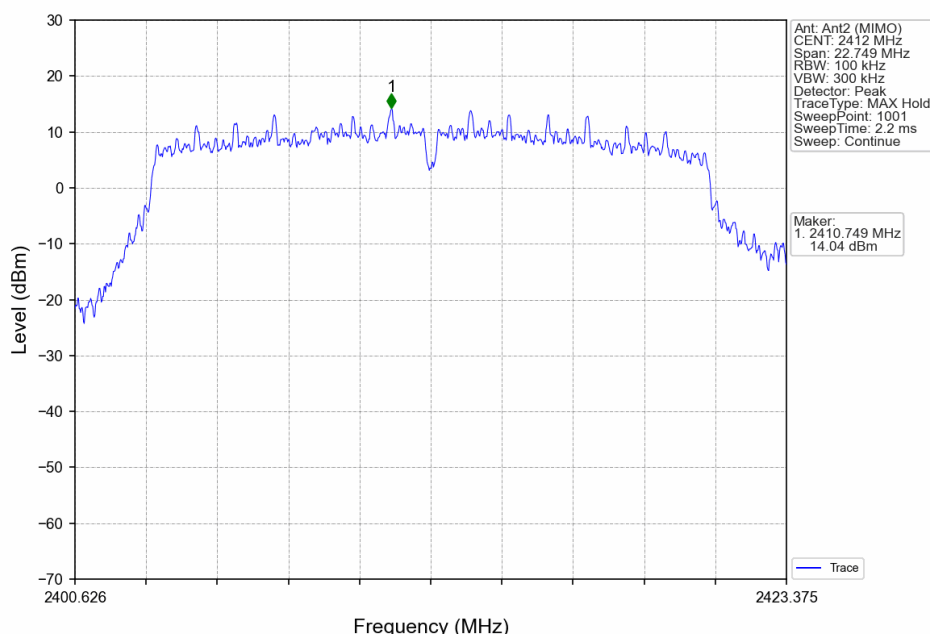
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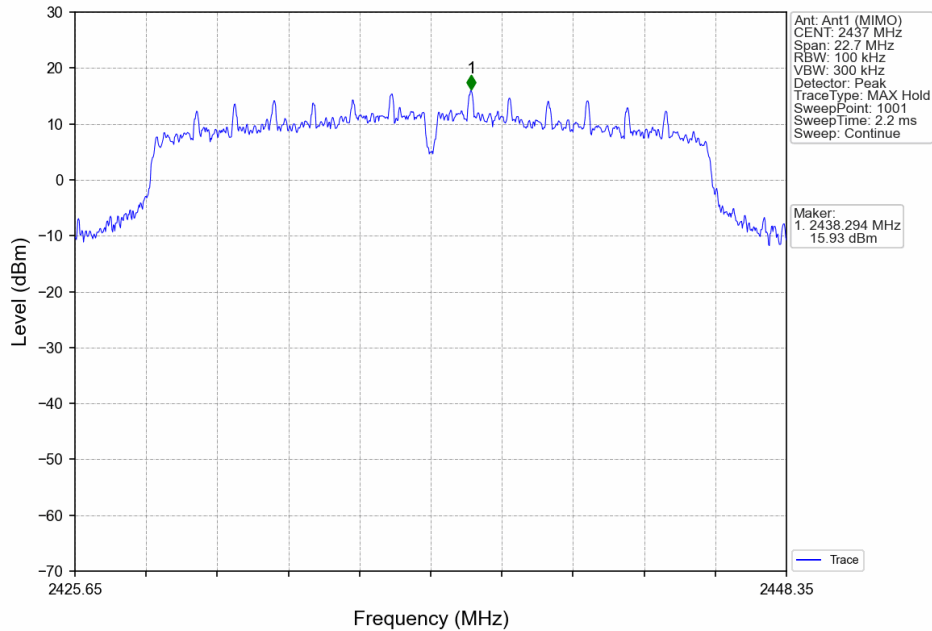
### 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (MIMO)\_NTNV



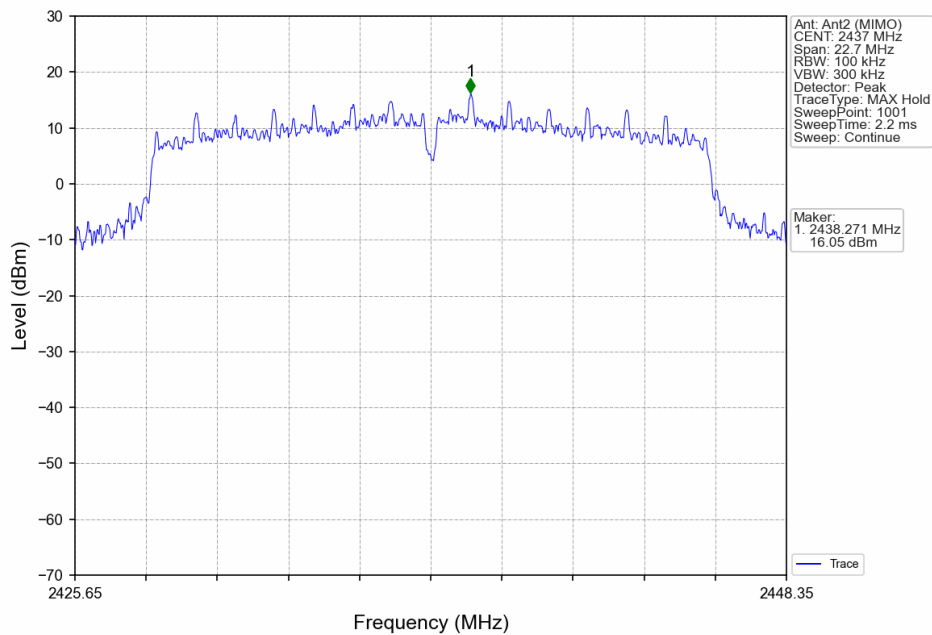
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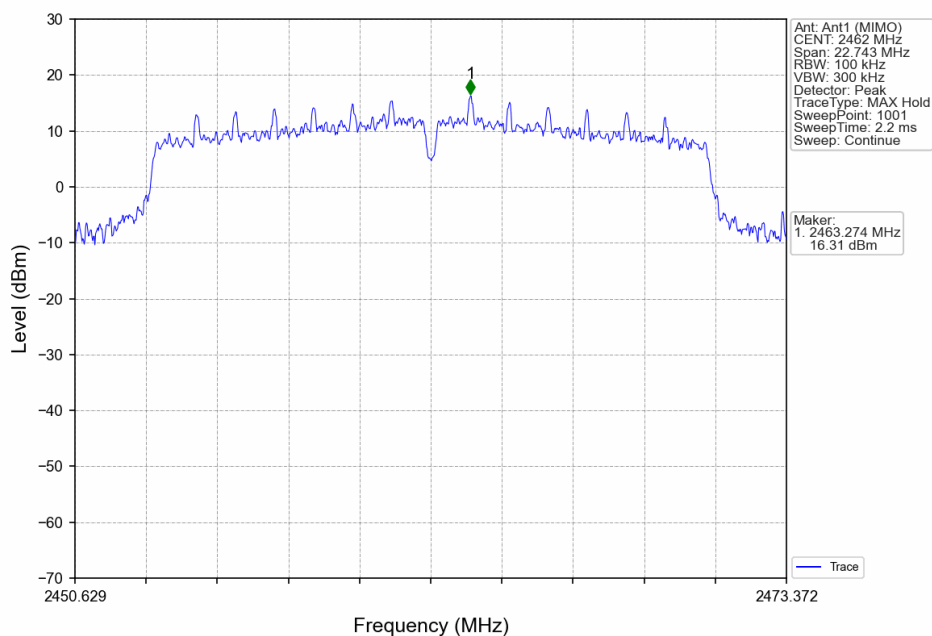
802.11n(HT20)\_MCH\_2437MHz\_Ant1 (MIMO)\_NTNV



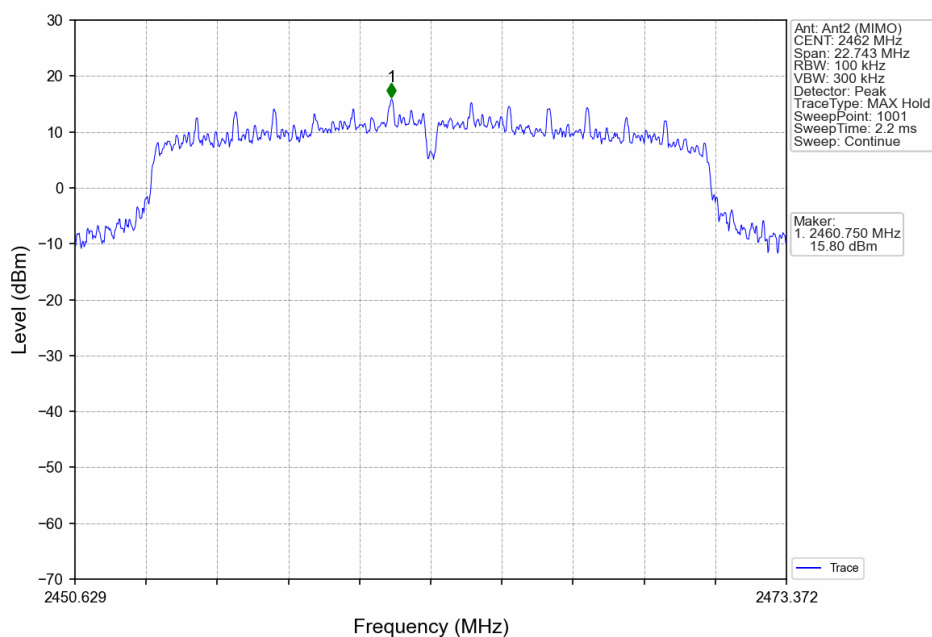
802.11n(HT20)\_MCH\_2437MHz\_Ant2 (MIMO)\_NTNV



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



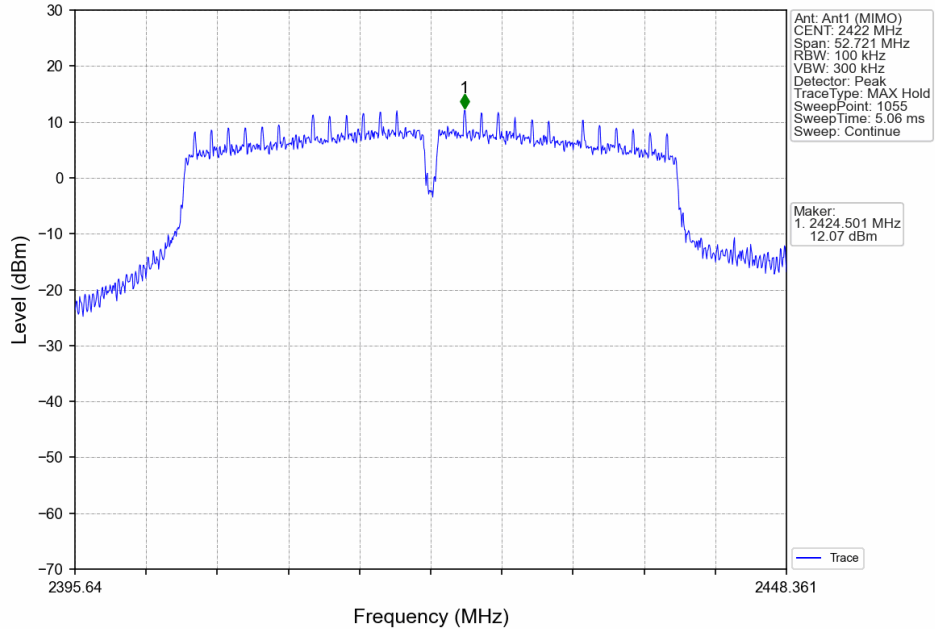
802.11n(HT20)\_HCH\_2462MHz\_Ant2 (MIMO)\_NTNV



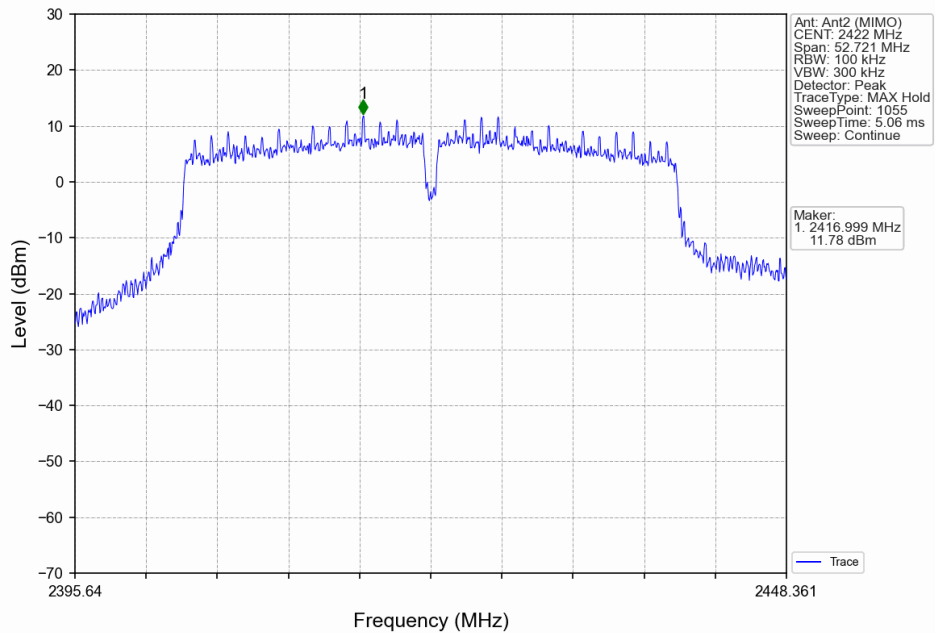
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### 802.11n(HT40)\_LCH\_2422MHz\_Ant1 (MIMO)\_NTNV



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



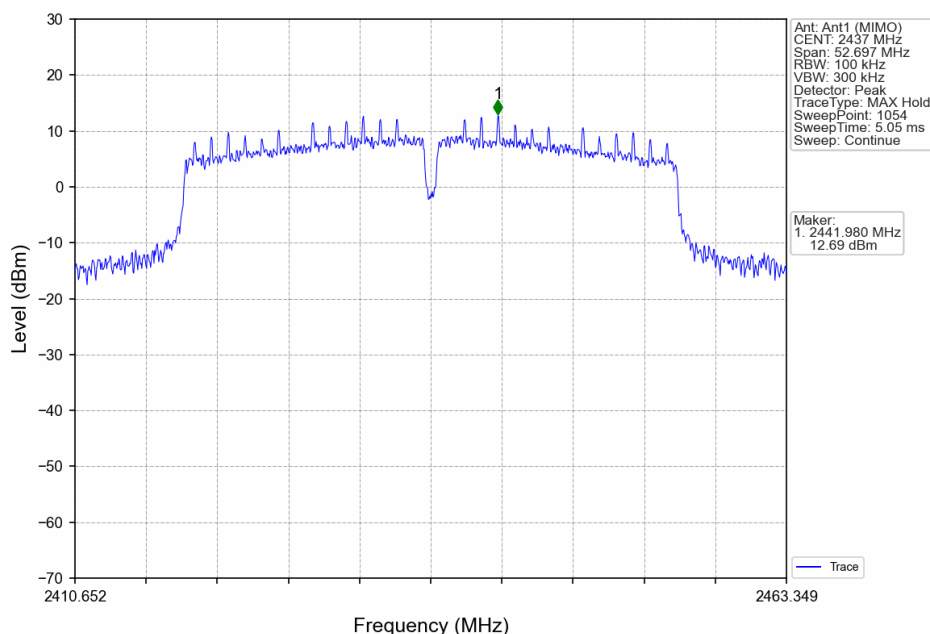
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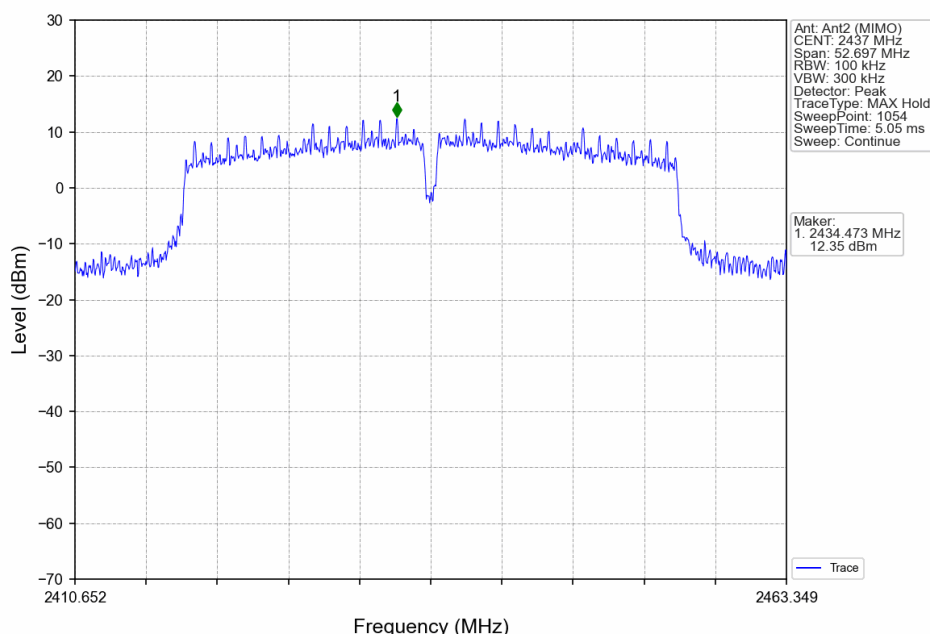
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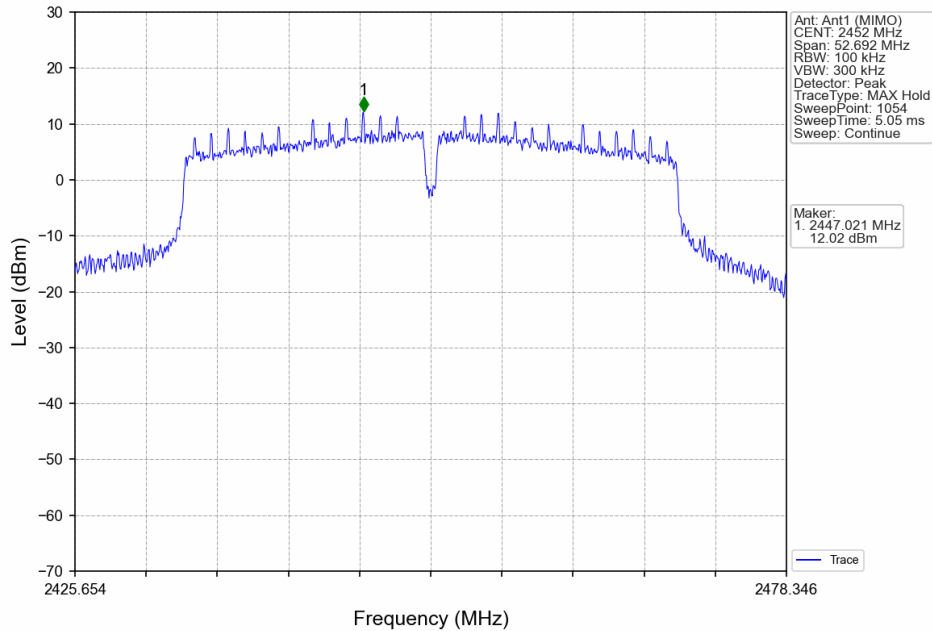
802.11n(HT40)\_MCH\_2437MHz\_Ant1 (MIMO)\_NTNV



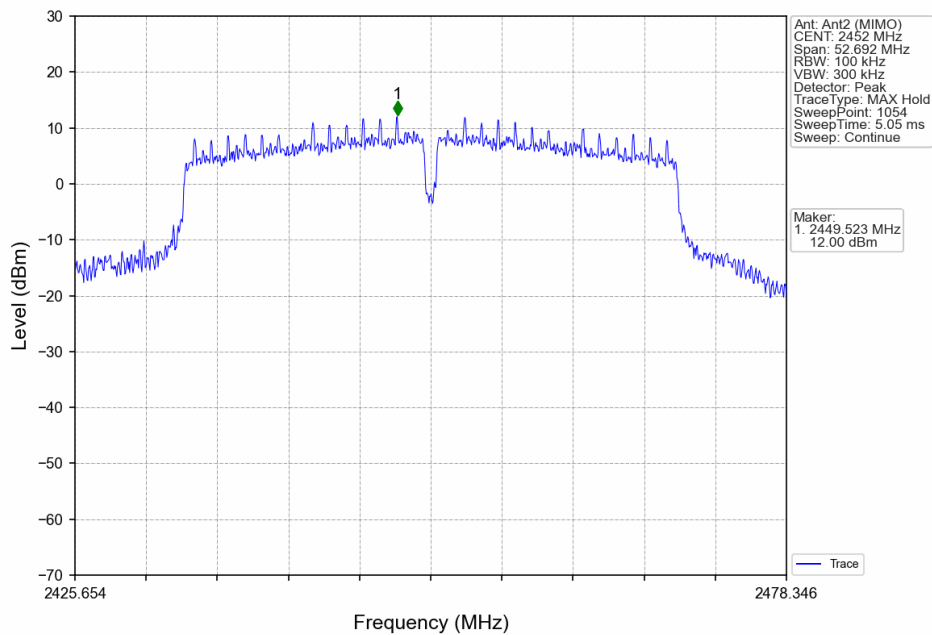
802.11n(HT40)\_MCH\_2437MHz\_Ant2 (MIMO)\_NTNV



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



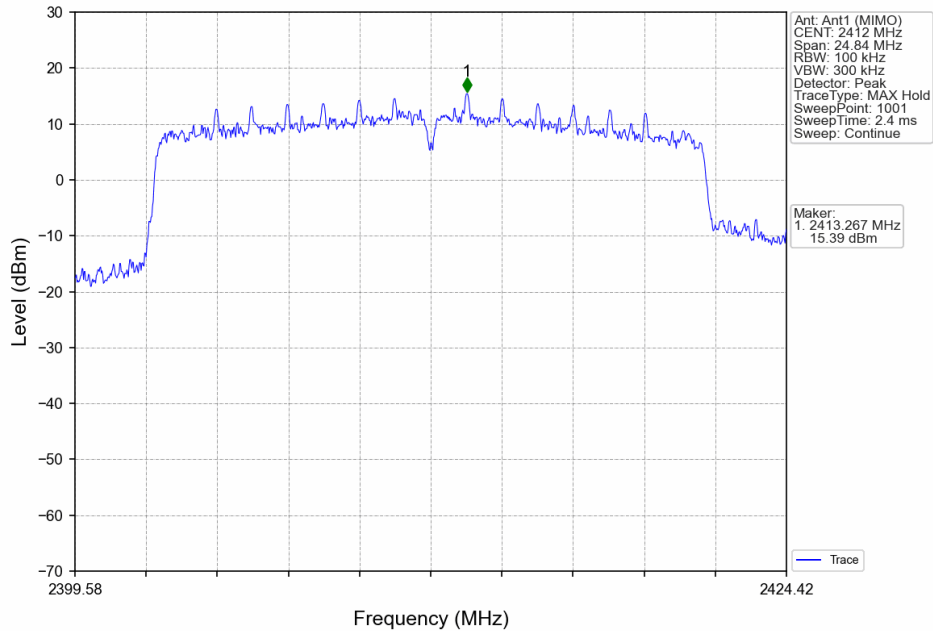
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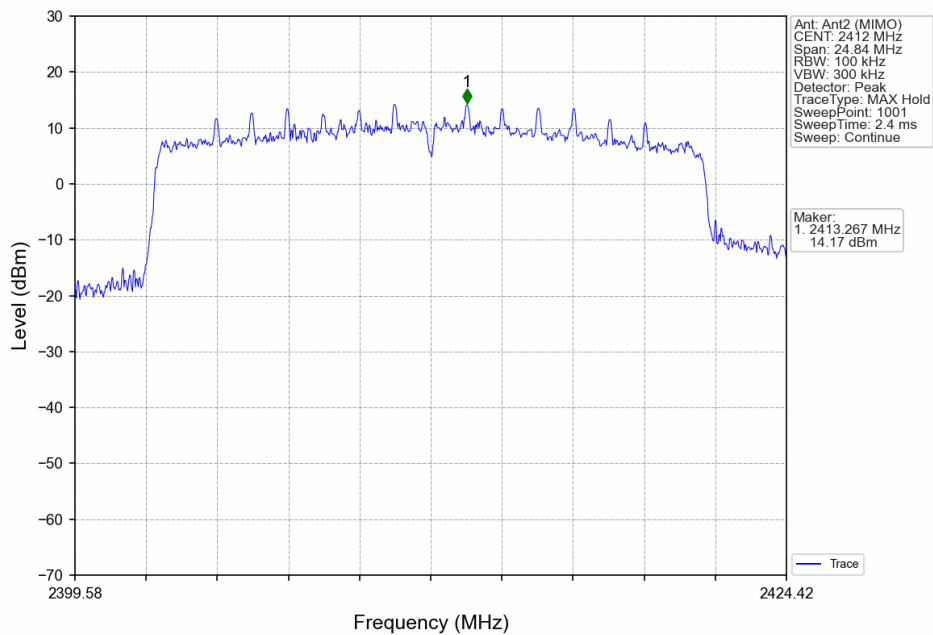
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802.11ax(HEW20)\_LCH\_2412MHz\_RU242\_Left\_Ant1 (MIMO)\_NTNV



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

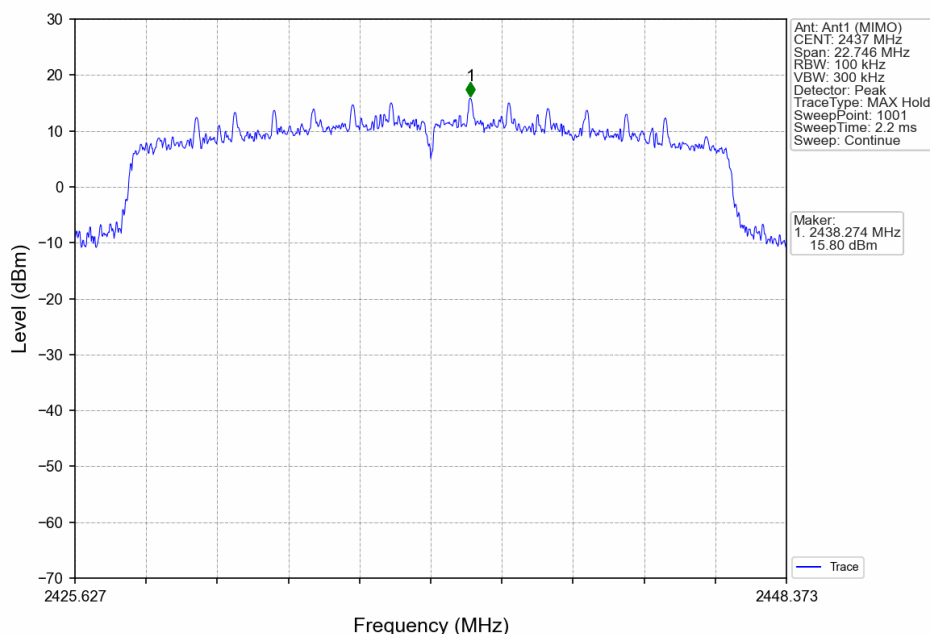


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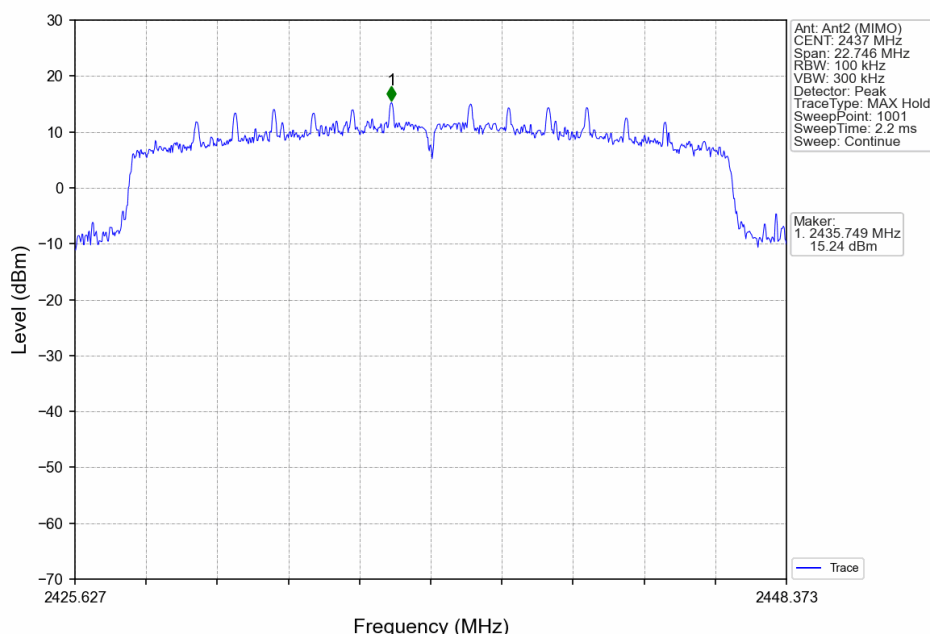
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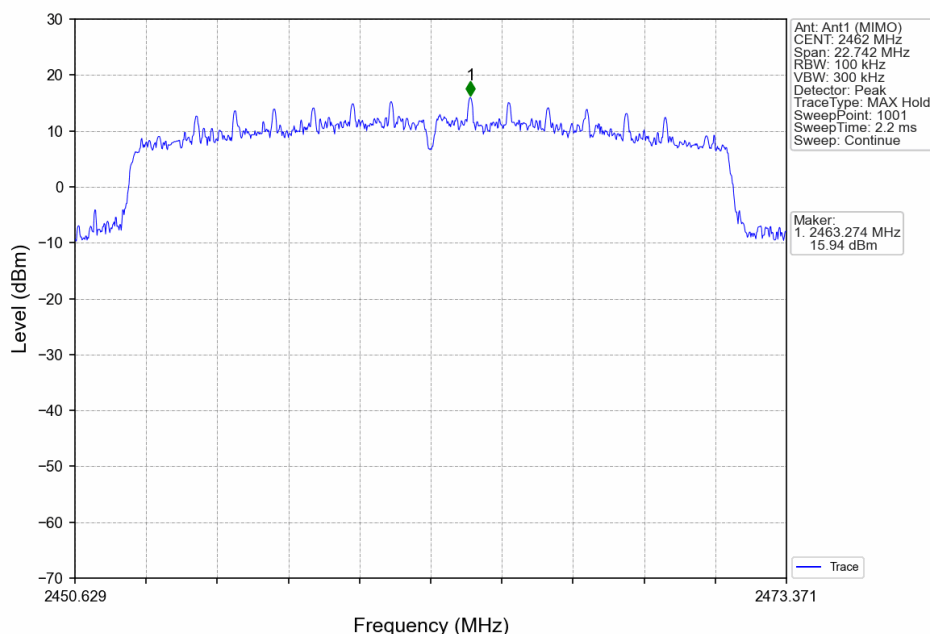
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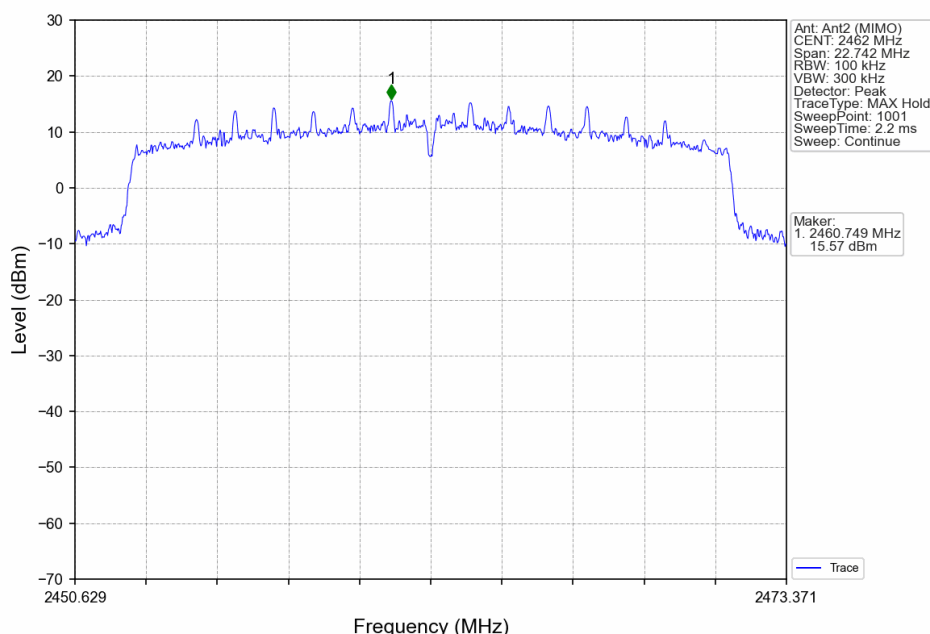
### 802.11ax(HEW20)\_MCH\_2437MHz\_RU242\_Left\_Ant2 (MIMO)\_NTNV



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



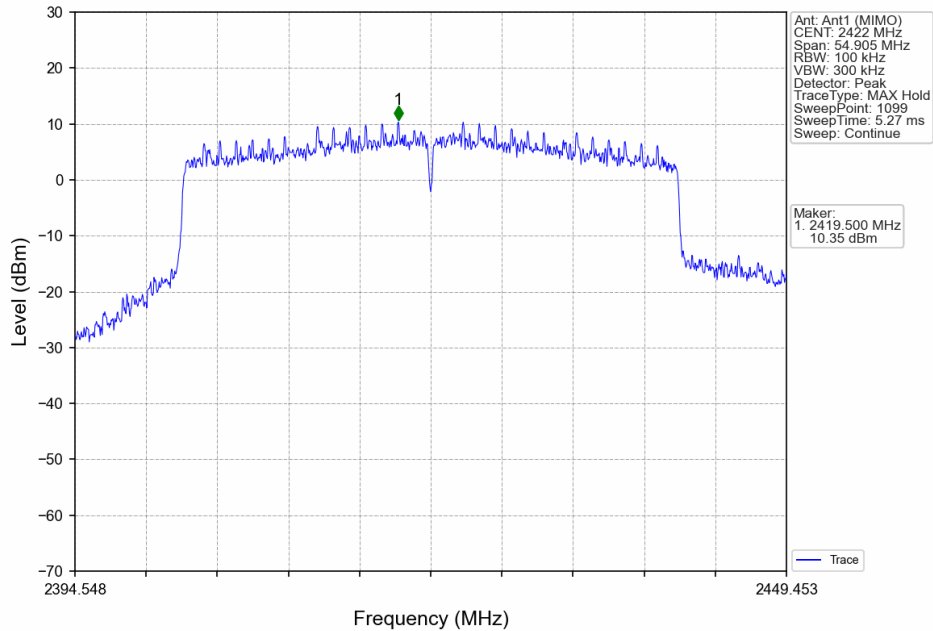
802.11ax(HEW20)\_HCH\_2462MHz\_RU242\_Left\_Ant2 (MIMO)\_NTNV



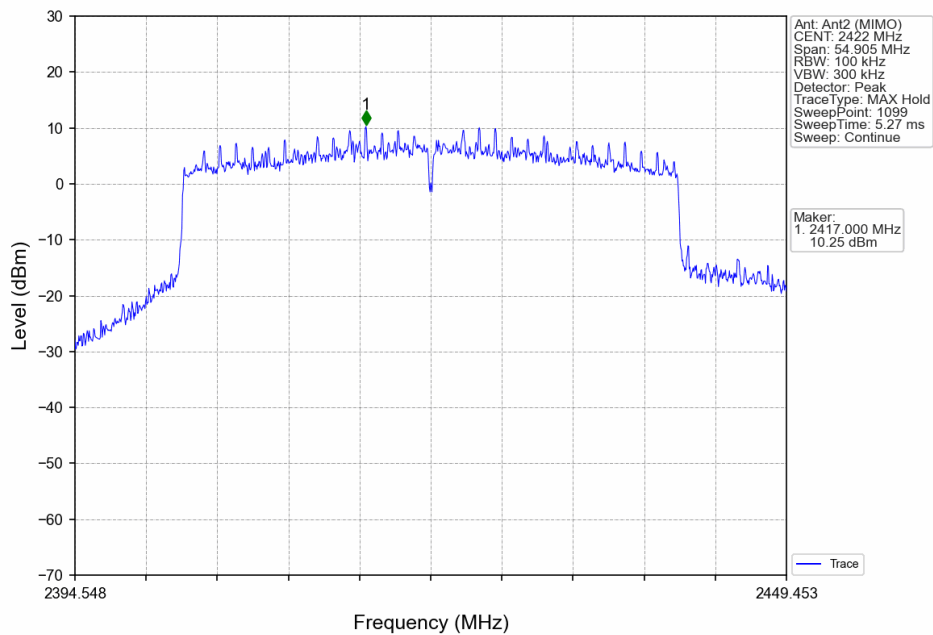
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### 802.11ax(HEW40)\_LCH\_2422MHz\_RU484\_Left\_Ant1 (MIMO)\_NTNV



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



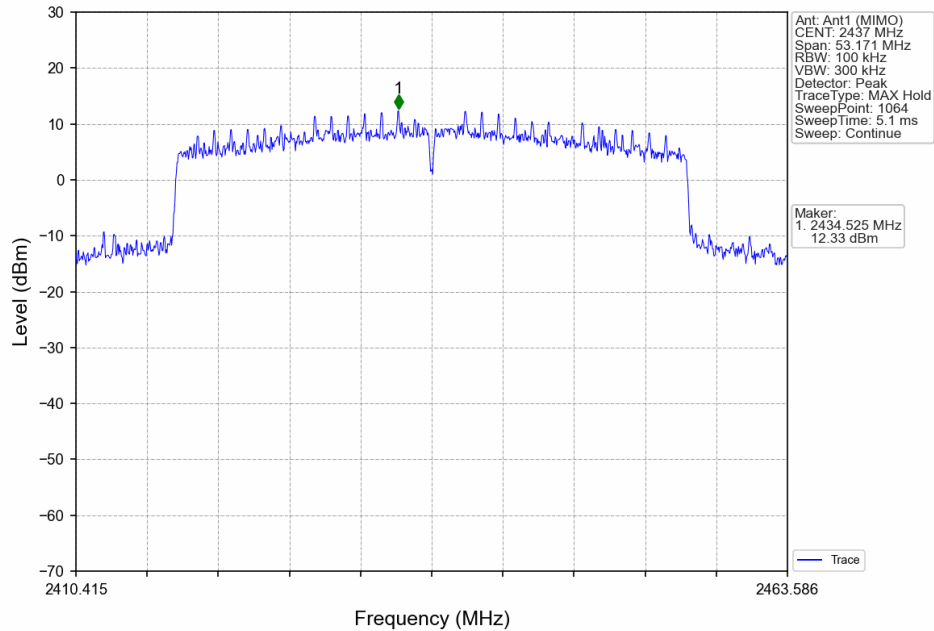
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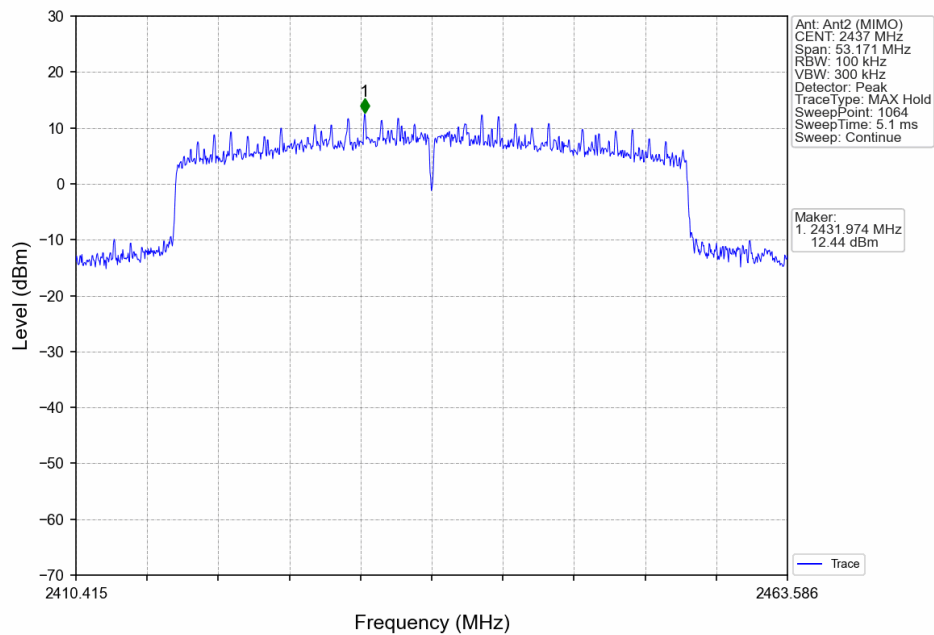
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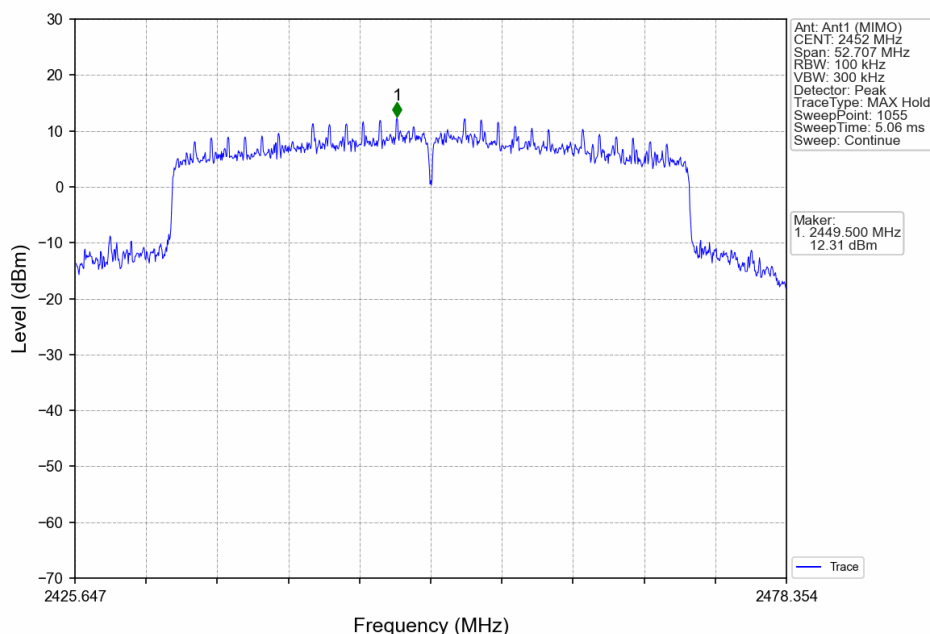
### 802.11ax(HEW40)\_MCH\_2437MHz\_RU484\_Left\_Ant1 (MIMO)\_NTNV



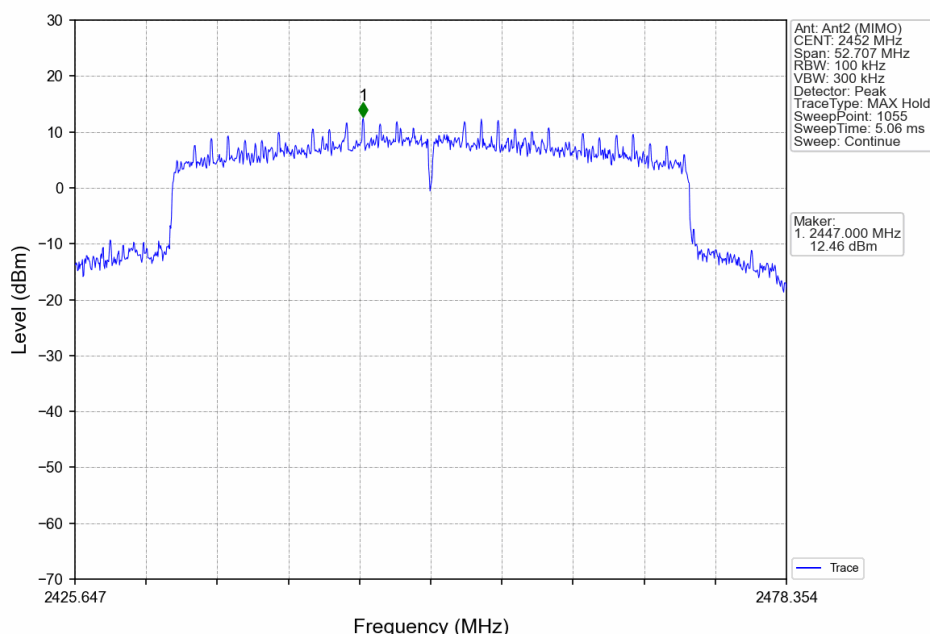
### 802.11ax(HEW40)\_MCH\_2437MHz\_RU484\_Left\_Ant2 (MIMO)\_NTNV



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



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



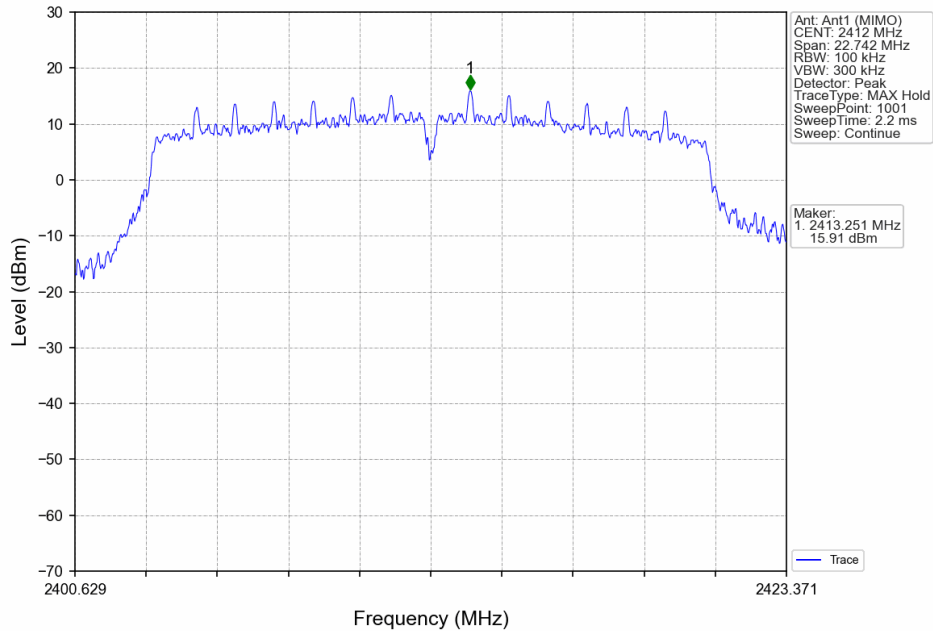
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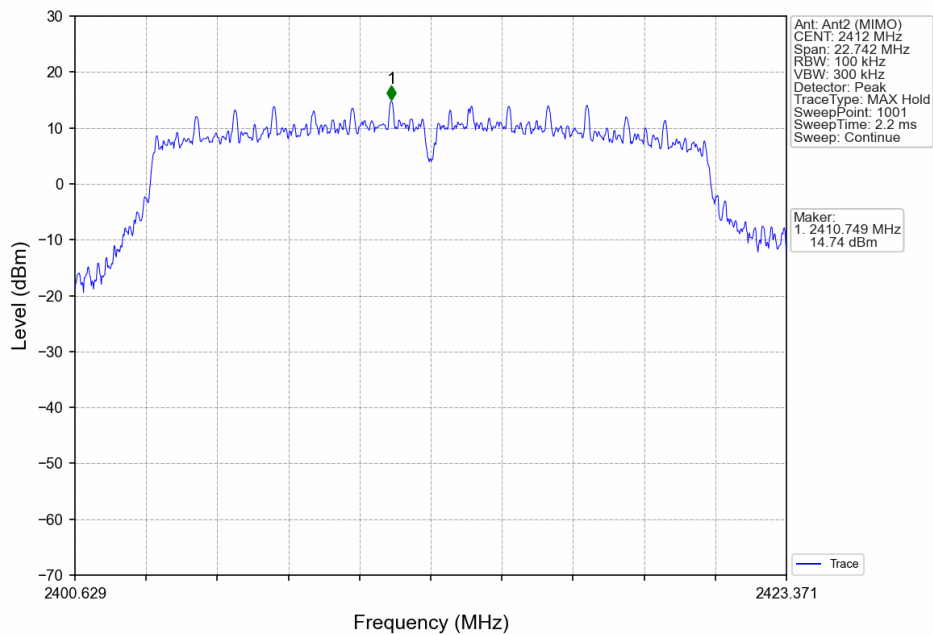
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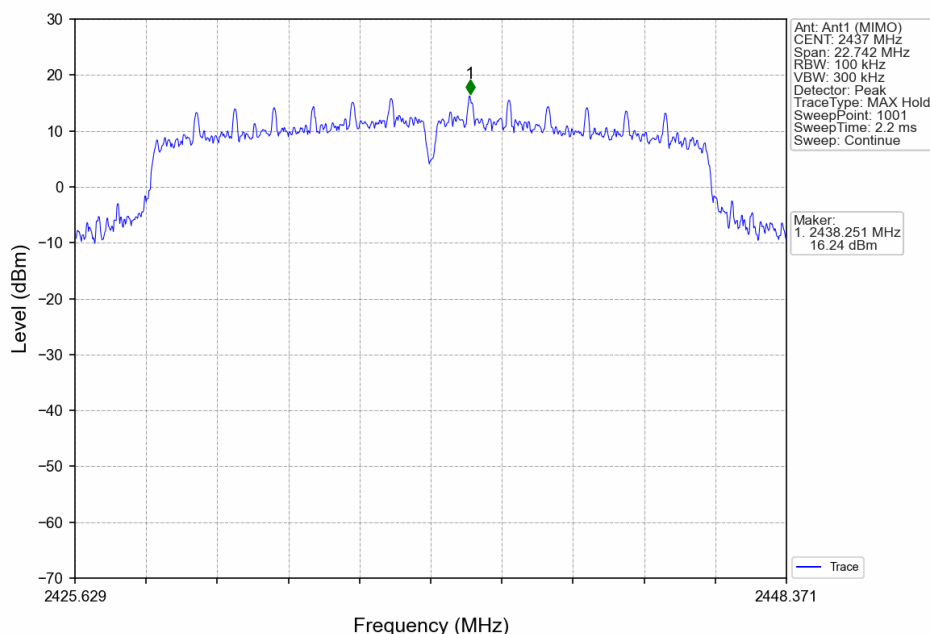
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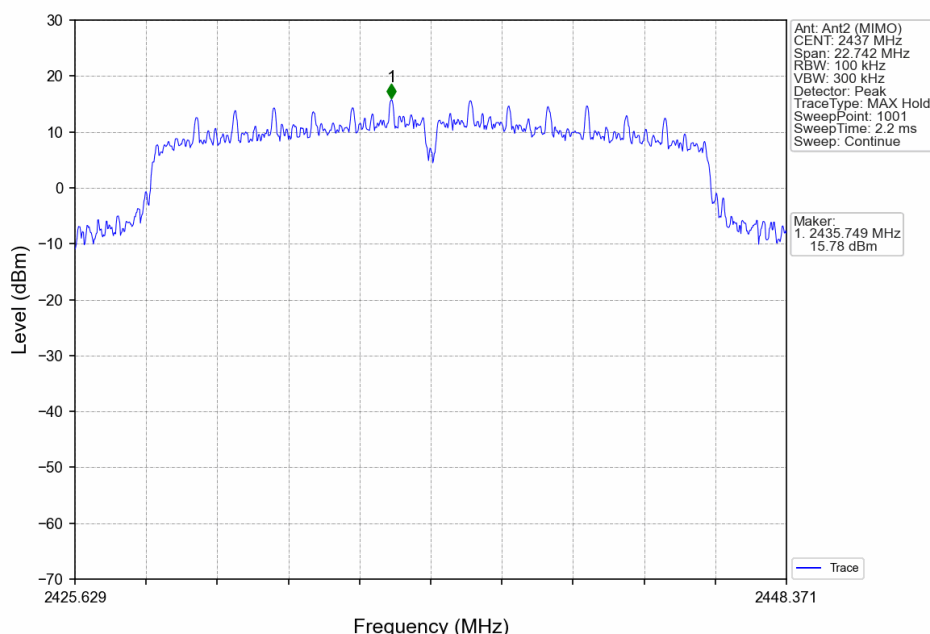
### 802.11ac(VHT20)\_LCH\_2412MHz\_Ant2 (MIMO)\_NTNV



### 802.11ac(VHT20)\_MCH\_2437MHz\_Ant1 (MIMO)\_NTNV



### 802.11ac(VHT20)\_MCH\_2437MHz\_Ant2 (MIMO)\_NTNV



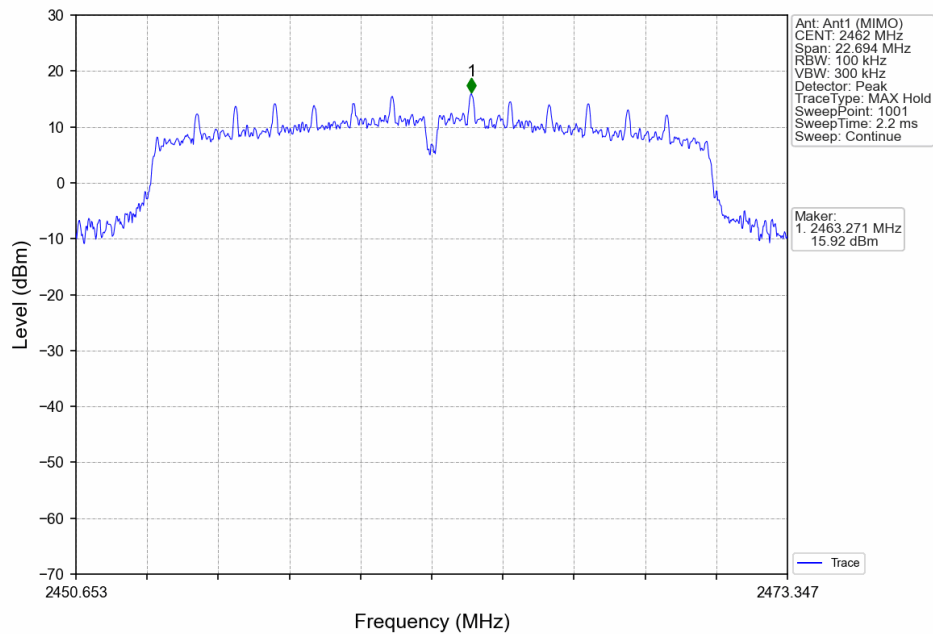
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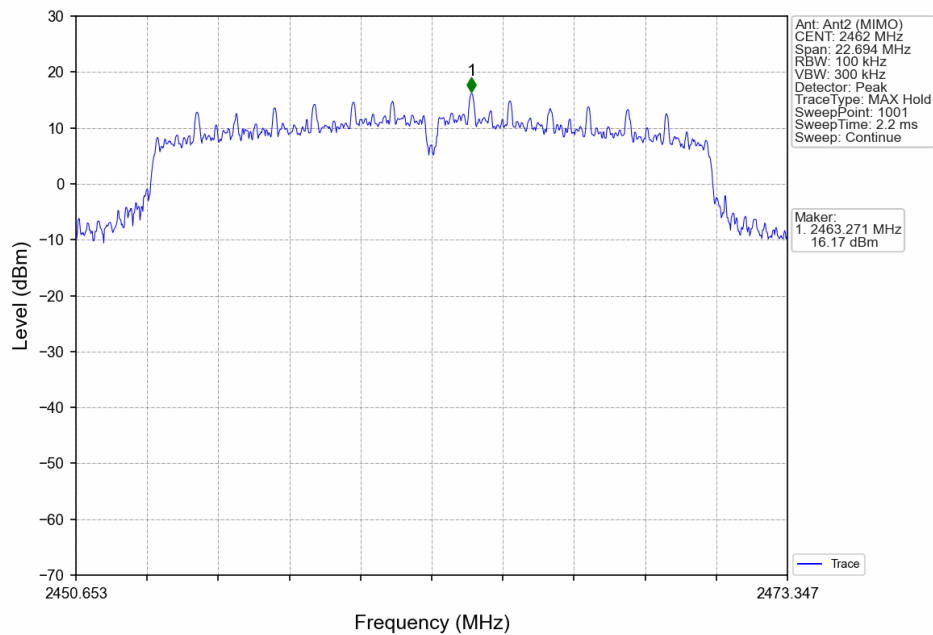
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### 802.11ac(VHT20)\_HCH\_2462MHz\_Ant1 (MIMO)\_NTNV



### 802.11ac(VHT20)\_HCH\_2462MHz\_Ant2 (MIMO)\_NTNV



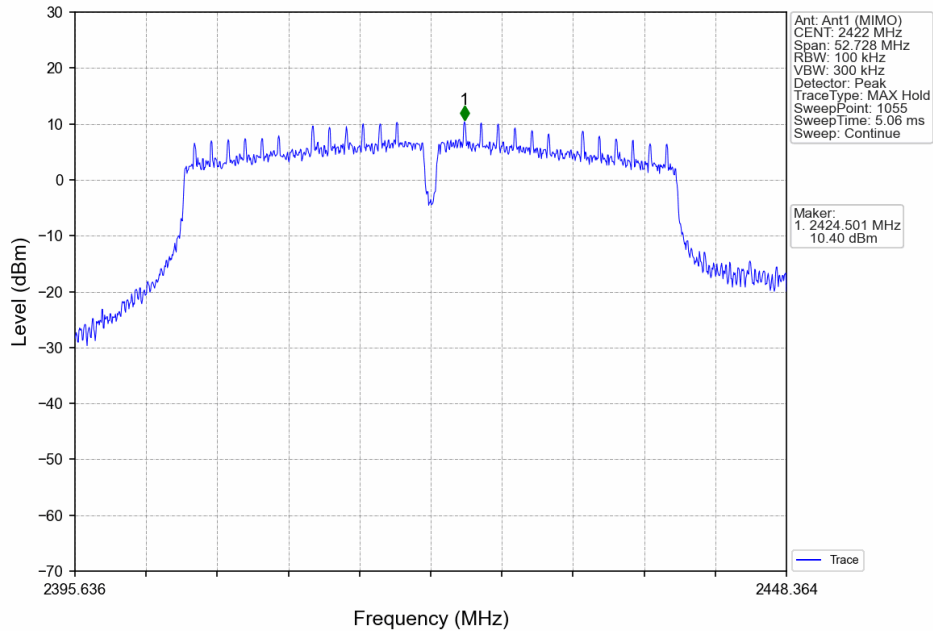
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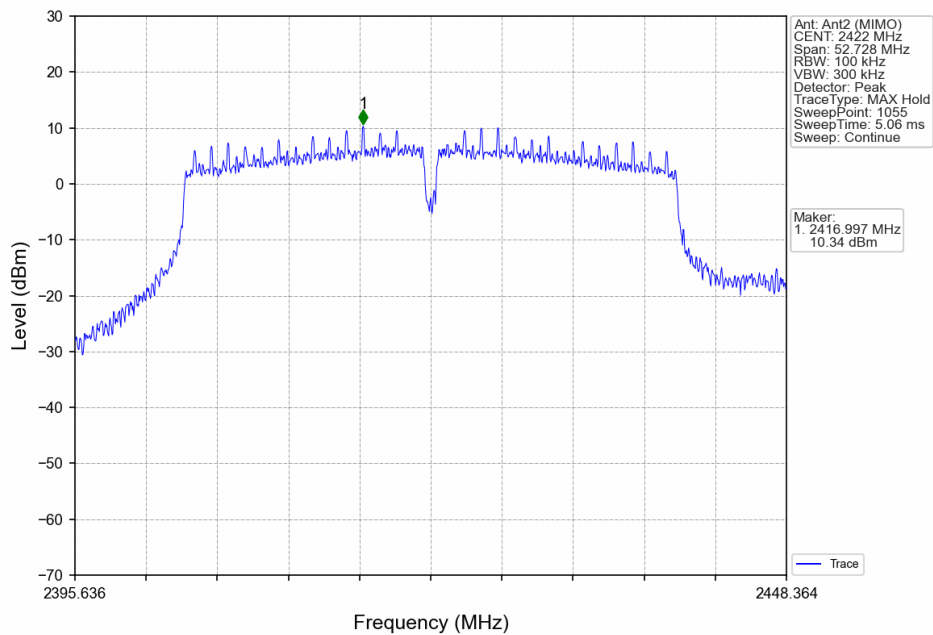
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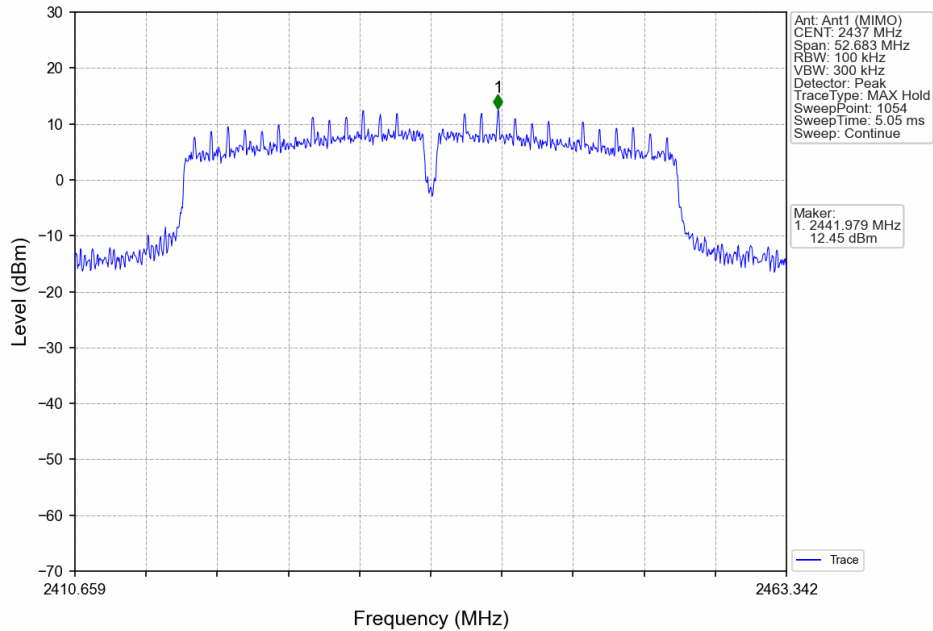
### 802.11ac(VHT40)\_LCH\_2422MHz\_Ant1 (MIMO)\_NTNV



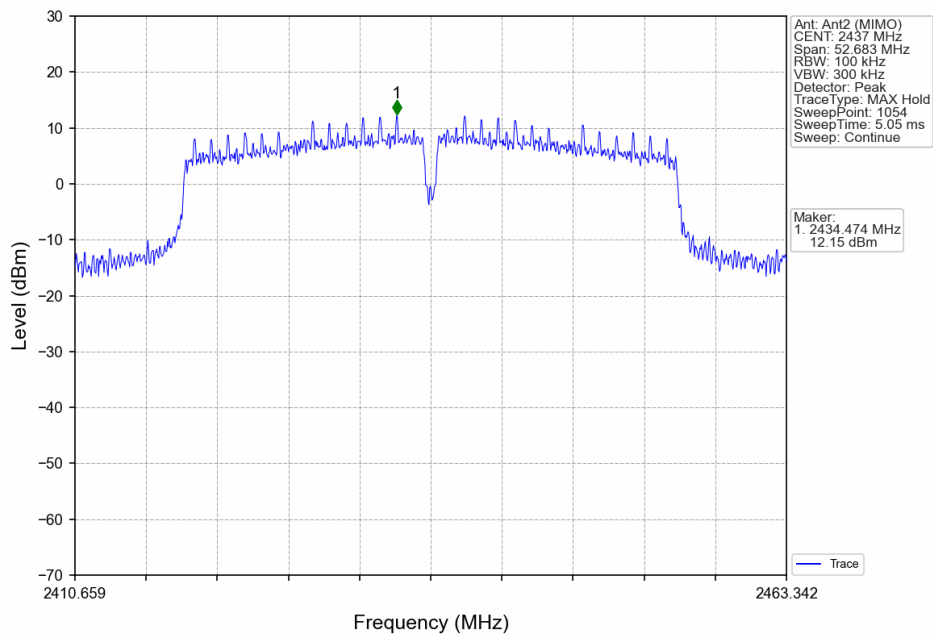
### 802.11ac(VHT40)\_LCH\_2422MHz\_Ant2 (MIMO)\_NTNV



### 802.11ac(VHT40)\_MCH\_2437MHz\_Ant1 (MIMO)\_NTNV



### 802.11ac(VHT40)\_MCH\_2437MHz\_Ant2 (MIMO)\_NTNV



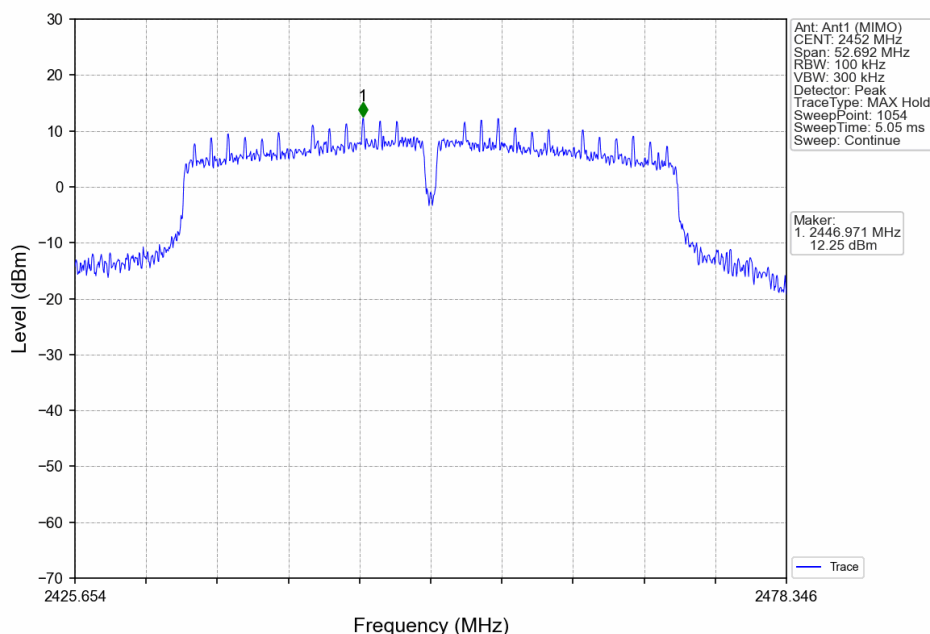
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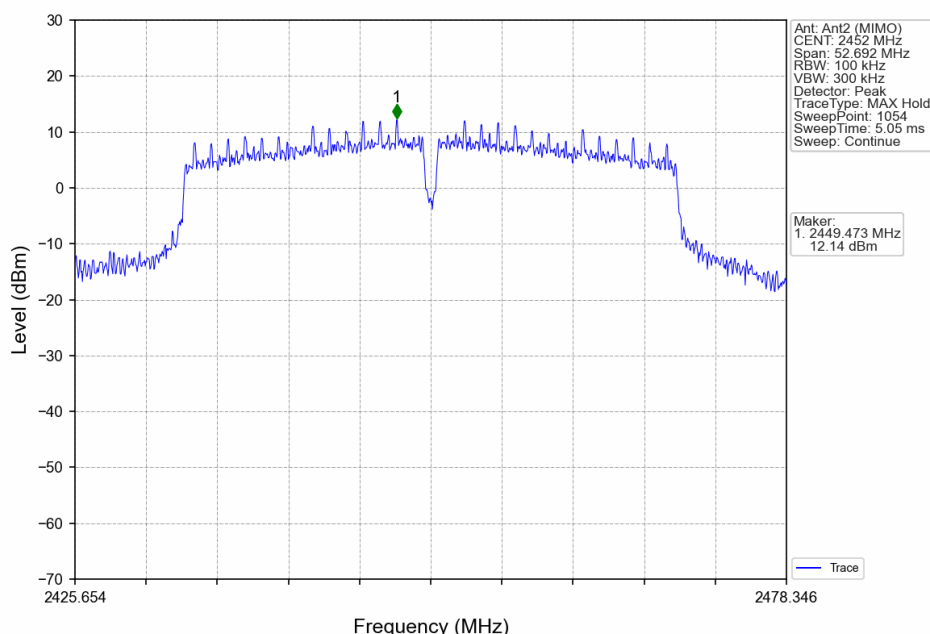
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### 802.11ac(VHT40)\_HCH\_2452MHz\_Ant1 (MIMO)\_NTNV



### 802.11ac(VHT40)\_HCH\_2452MHz\_Ant2 (MIMO)\_NTNV



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SZEMC-TRF-01 Rev. A/0 Aug01,2022

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## 5.2 CSE

### 5.2.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	MIMO	2412	/	/	1	17.76	-12.24	Pass
					2	17.48	-12.52	Pass
		2437	/	/	1	17.76	-12.24	Pass
					2	17.48	-12.52	Pass
		2462	/	/	1	17.76	-12.24	Pass
					2	17.48	-12.52	Pass
802.11g	MIMO	2412	/	/	1	15.92	-14.08	Pass
					2	16.26	-13.74	Pass
		2437	/	/	1	15.92	-14.08	Pass
					2	16.26	-13.74	Pass
		2462	/	/	1	15.92	-14.08	Pass
					2	16.26	-13.74	Pass
802.11n (HT20)	MIMO	2412	/	/	1	16.31	-13.69	Pass
					2	16.05	-13.95	Pass
		2437	/	/	1	16.31	-13.69	Pass
					2	16.05	-13.95	Pass
		2462	/	/	1	16.31	-13.69	Pass
					2	16.05	-13.95	Pass
802.11n (HT40)	MIMO	2422	/	/	1	12.69	-17.31	Pass
					2	12.35	-17.65	Pass
		2437	/	/	1	12.69	-17.31	Pass
					2	12.35	-17.65	Pass
		2452	/	/	1	12.69	-17.31	Pass
					2	12.35	-17.65	Pass
802.11ax (HEW20)	MIMO	2412	RU242	Left	1	15.94	-14.06	Pass
					2	15.57	-14.43	Pass
		2437	RU242	Left	1	15.94	-14.06	Pass
					2	15.57	-14.43	Pass
		2462	RU242	Left	1	15.94	-14.06	Pass
					2	15.57	-14.43	Pass
802.11ax (HEW40)	MIMO	2422	RU484	Left	1	12.33	-17.67	Pass
					2	12.46	-17.54	Pass
		2437	RU484	Left	1	12.33	-17.67	Pass



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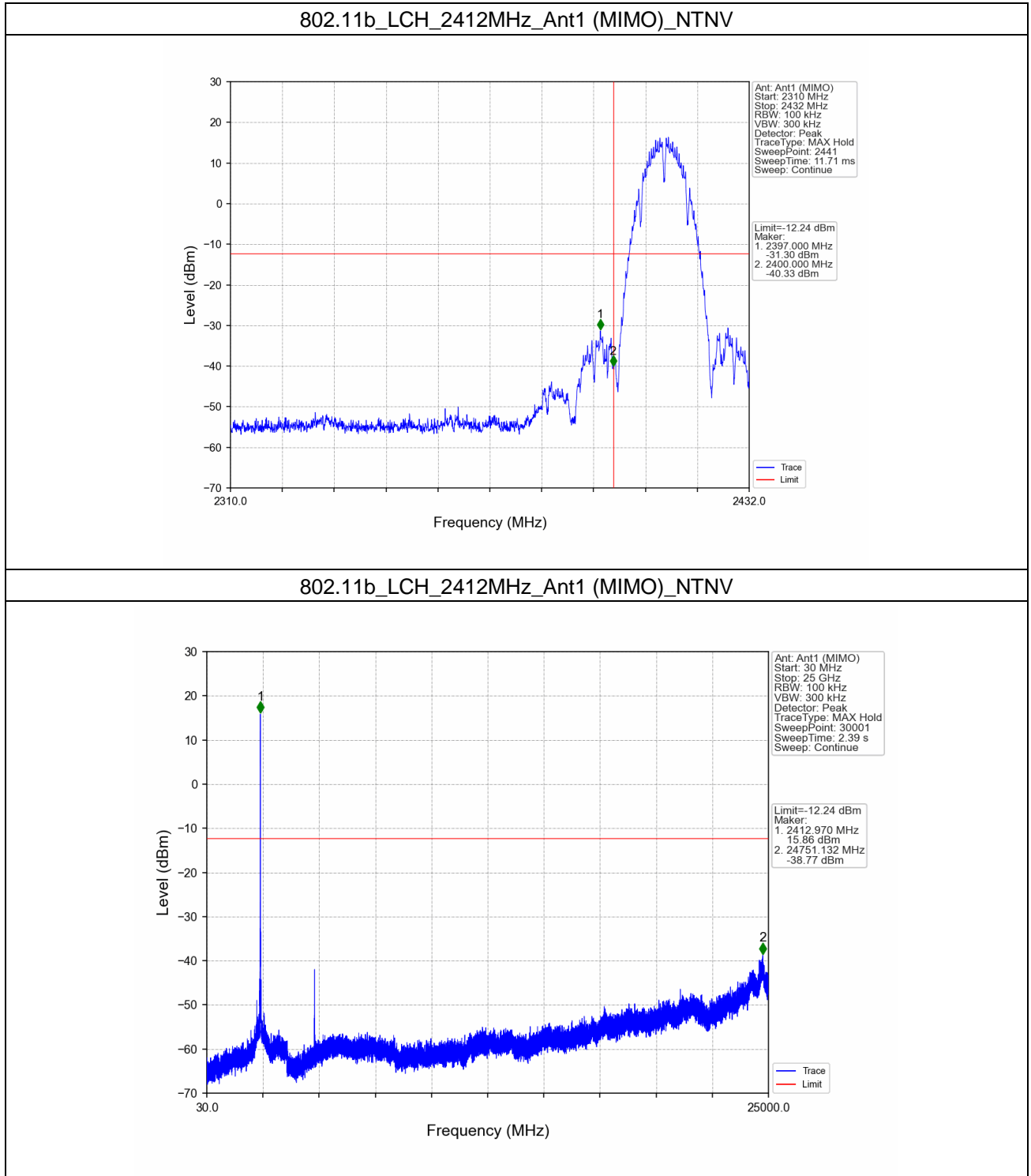
SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230500171302

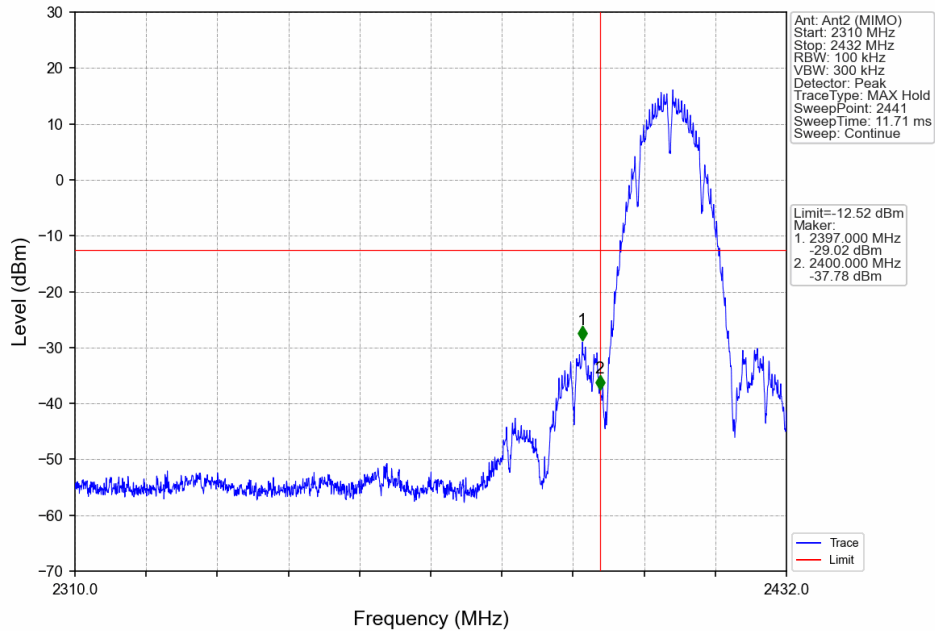
Page: 221 of 261

					2	12.46	-17.54	Pass
		2452	RU484	Left	1	12.33	-17.67	Pass
802.11ac (VHT20)	MIMO	2412	/	/	2	12.46	-17.54	Pass
					1	16.24	-13.76	Pass
		2437	/	/	2	16.17	-13.83	Pass
					1	16.24	-13.76	Pass
		2462	/	/	2	16.17	-13.83	Pass
					1	16.24	-13.76	Pass
					2	16.17	-13.83	Pass
					1	16.24	-13.76	Pass
802.11ac (VHT40)	MIMO	2422	/	/	2	12.15	-17.85	Pass
					1	12.45	-17.55	Pass
		2437	/	/	2	12.15	-17.85	Pass
					1	12.45	-17.55	Pass
		2452	/	/	2	12.15	-17.85	Pass
					1	12.45	-17.55	Pass
					2	12.15	-17.85	Pass
					1	12.45	-17.55	Pass

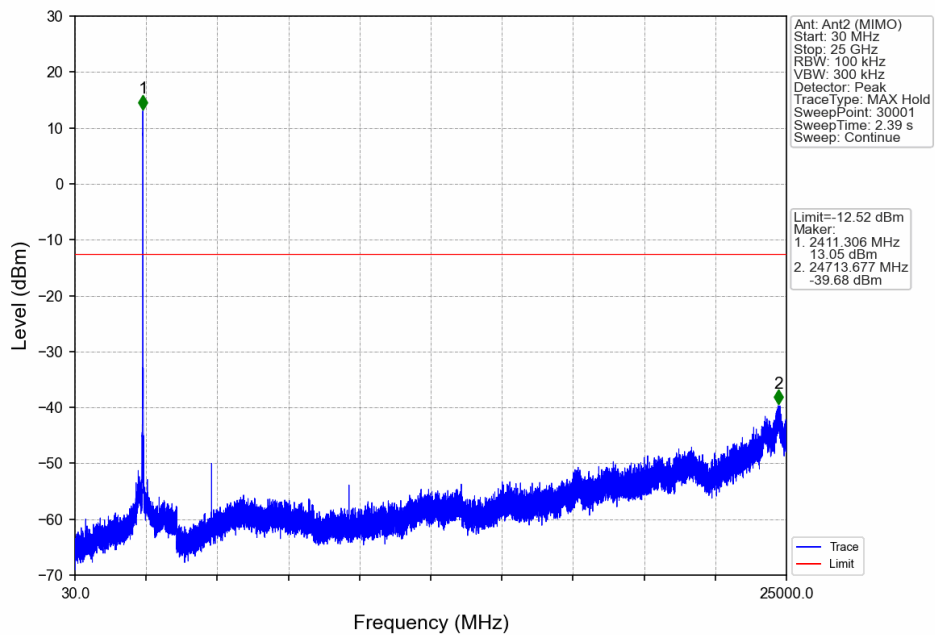
### 5.2.2 Test Graph



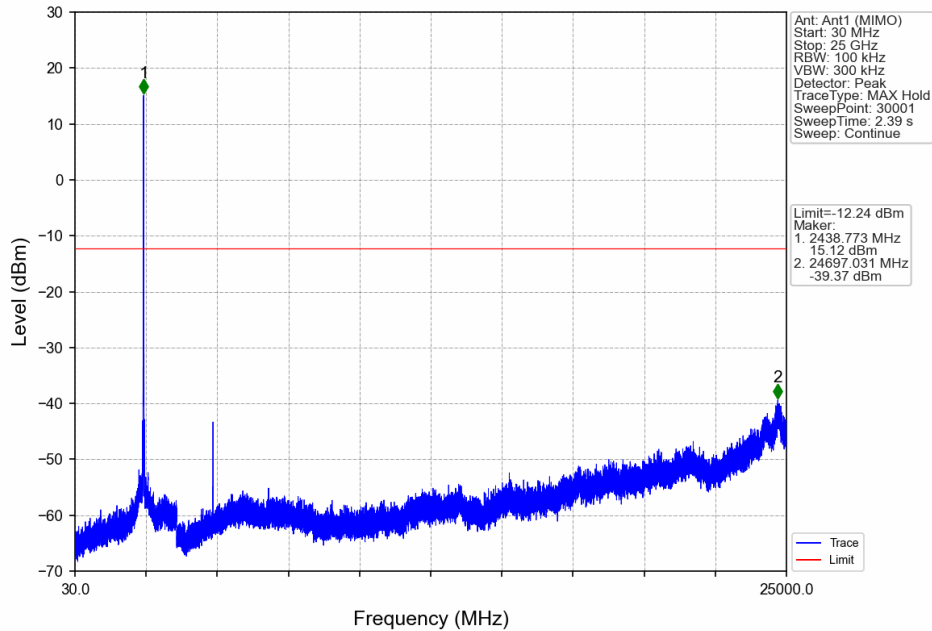
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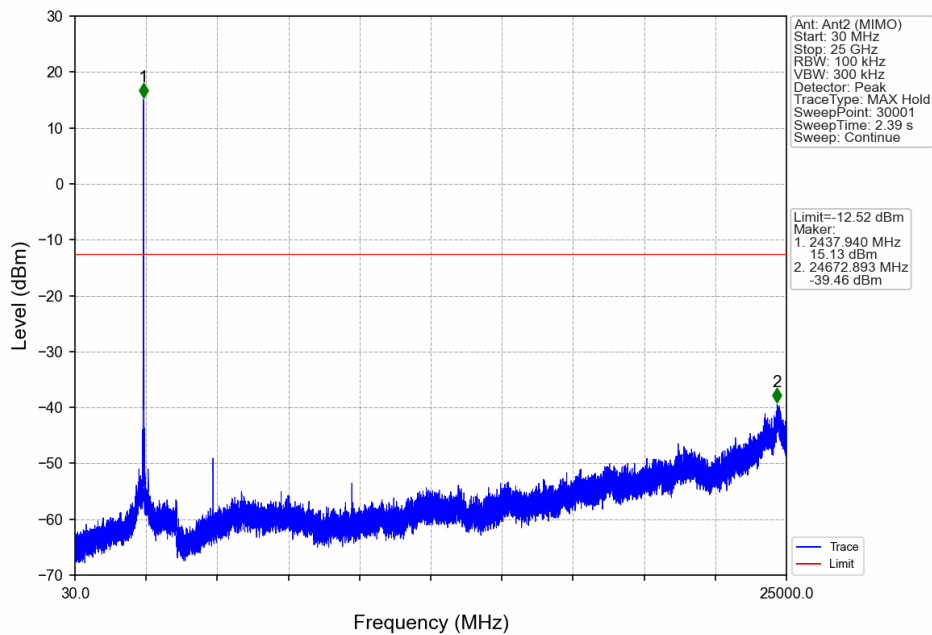
### 802.11b\_LCH\_2412MHz\_Ant2 (MIMO)\_NTNV



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



### 802.11b\_MCH\_2437MHz\_Ant2 (MIMO)\_NTNV



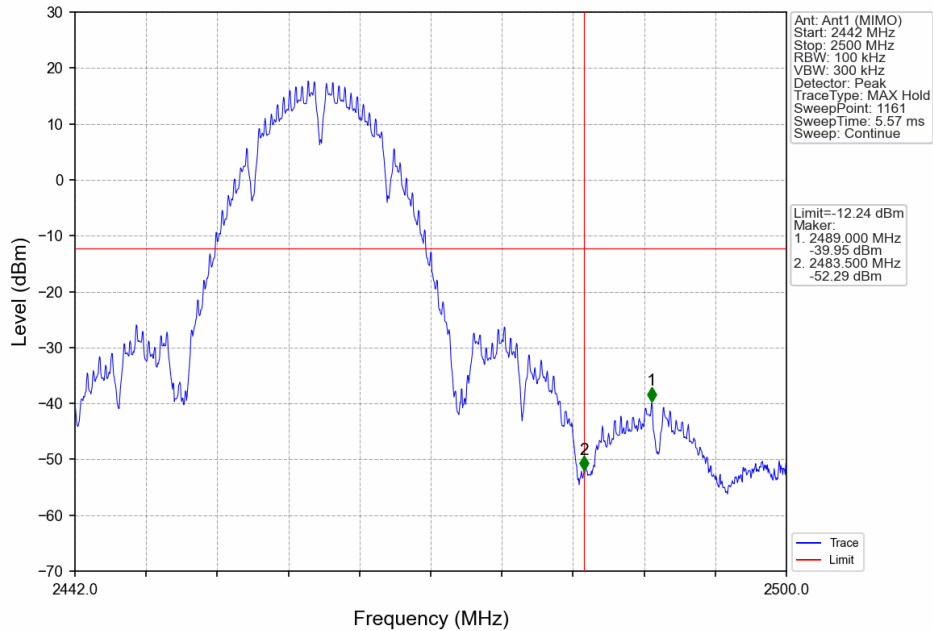
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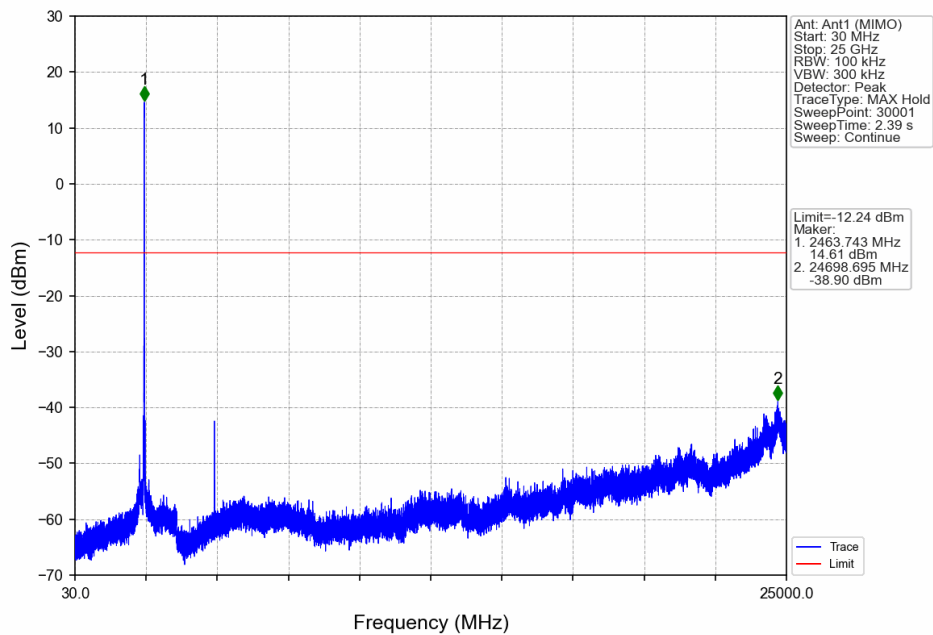
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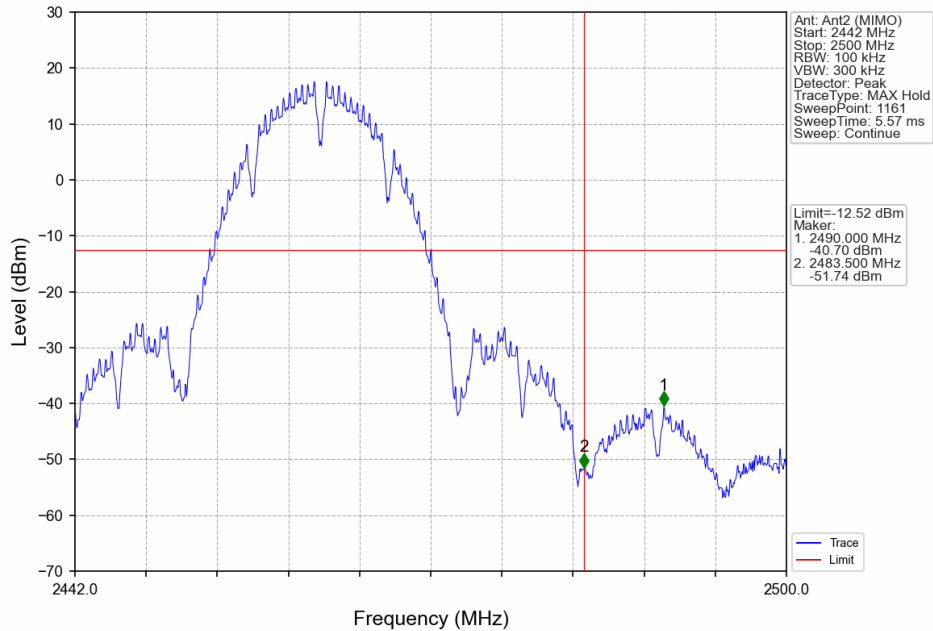
### 802.11b\_HCH\_2462MHz\_Ant1 (MIMO)\_NTNV



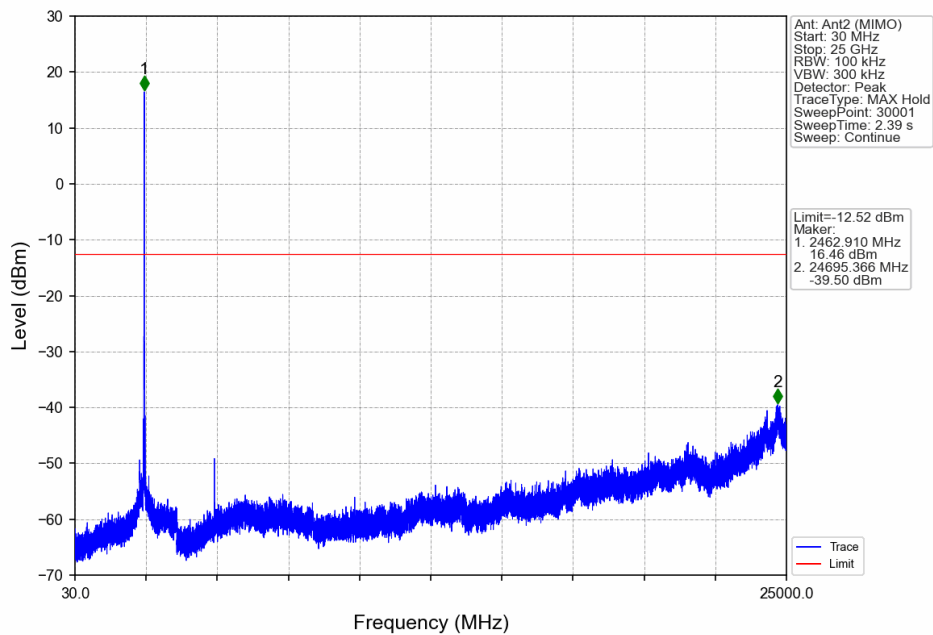
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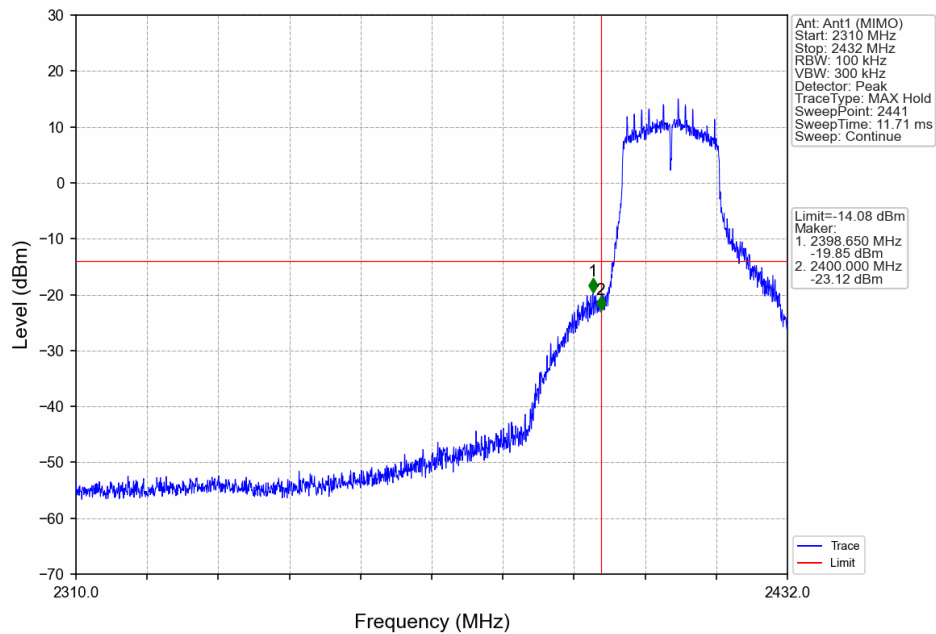
### 802.11b\_HCH\_2462MHz\_Ant2 (MIMO)\_NTNV



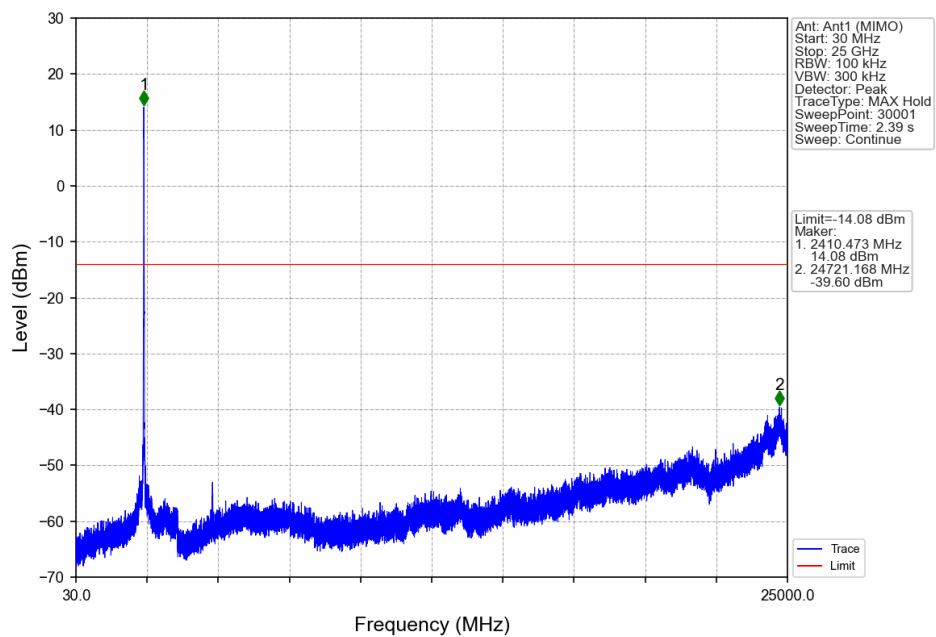
### 802.11b\_HCH\_2462MHz\_Ant2 (MIMO)\_NTNV



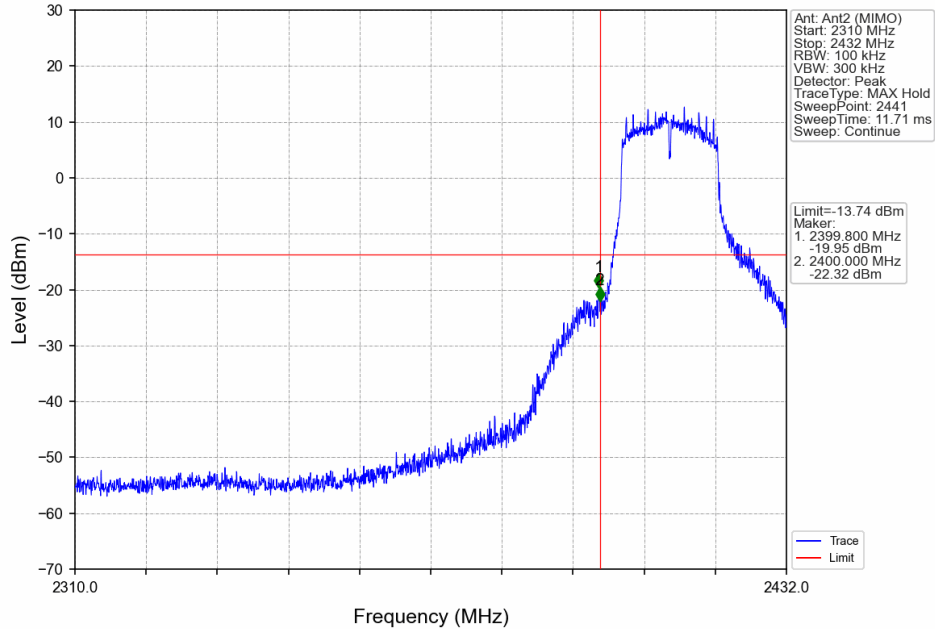
### 802.11g\_LCH\_2412MHz\_Ant1 (MIMO)\_NTNV



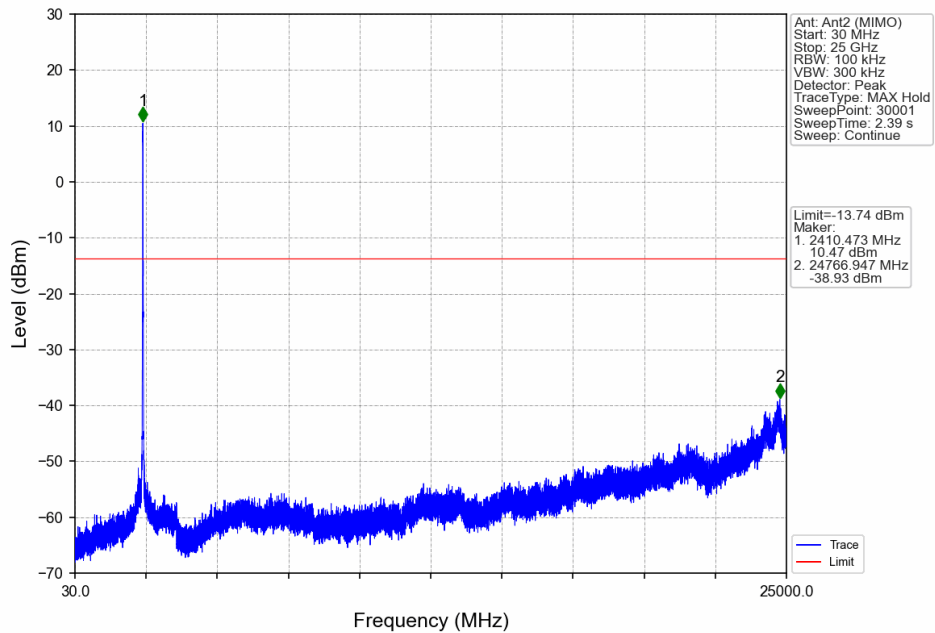
### 802.11g\_LCH\_2412MHz\_Ant1 (MIMO)\_NTNV



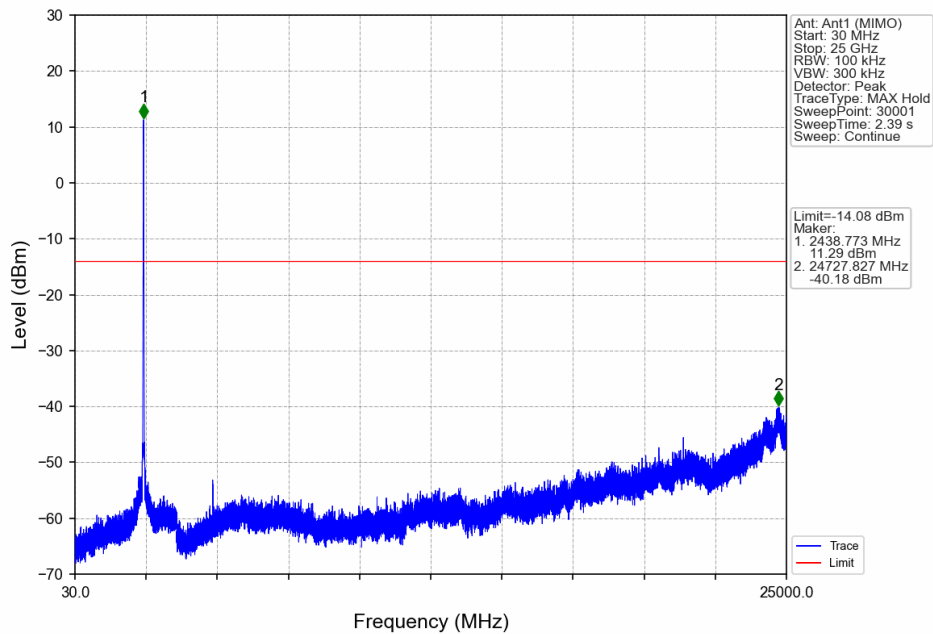
### 802.11g\_LCH\_2412MHz\_Ant2 (MIMO)\_NTNV



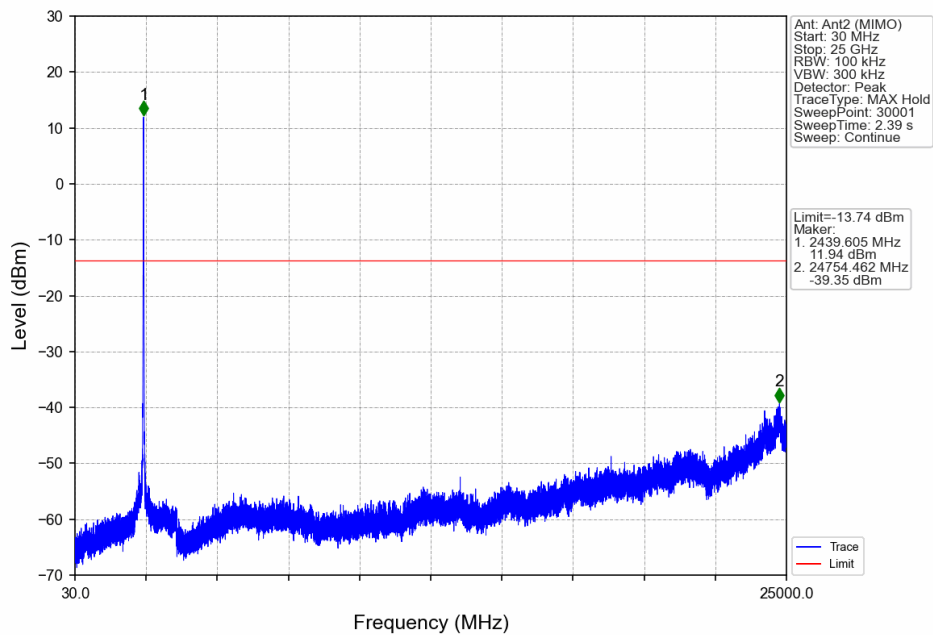
### 802.11g\_LCH\_2412MHz\_Ant2 (MIMO)\_NTNV



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



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



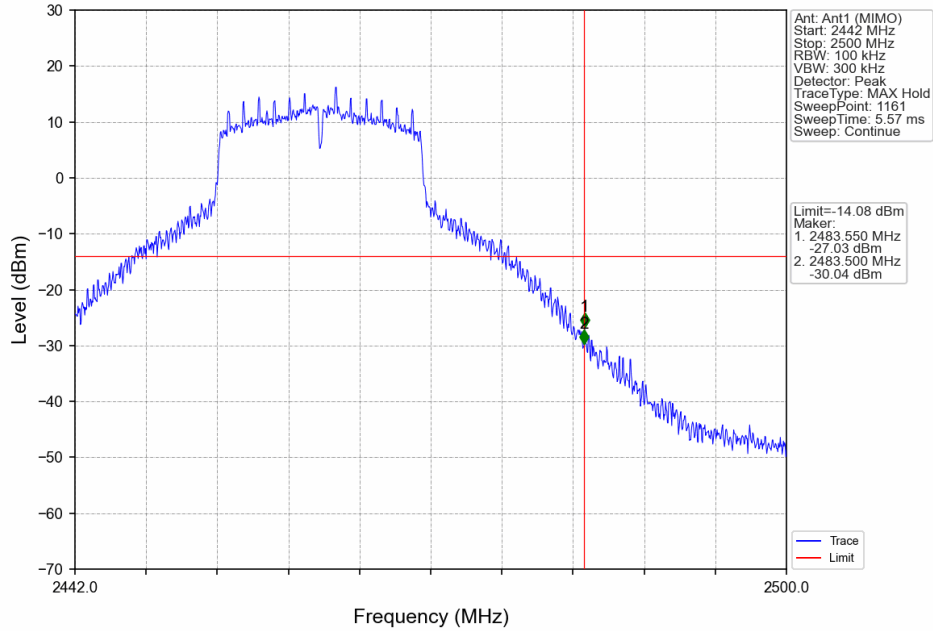
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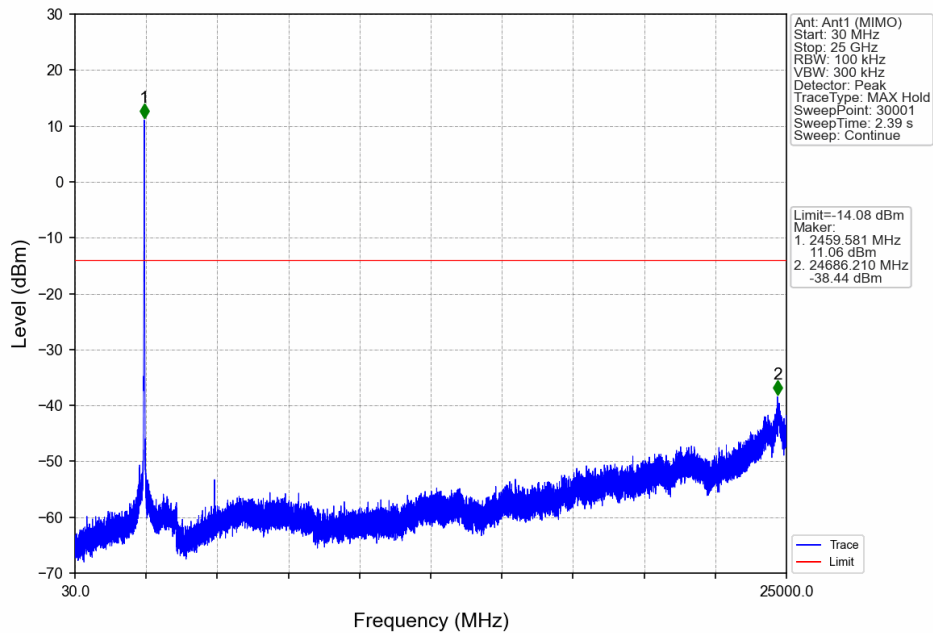
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中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

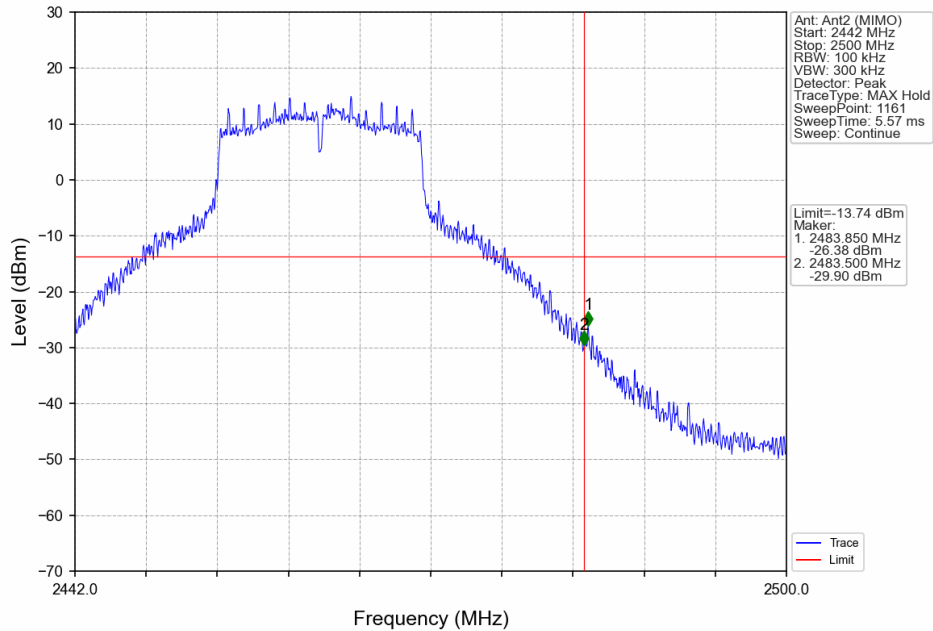
### 802.11g\_HCH\_2462MHz\_Ant1 (MIMO)\_NTNV



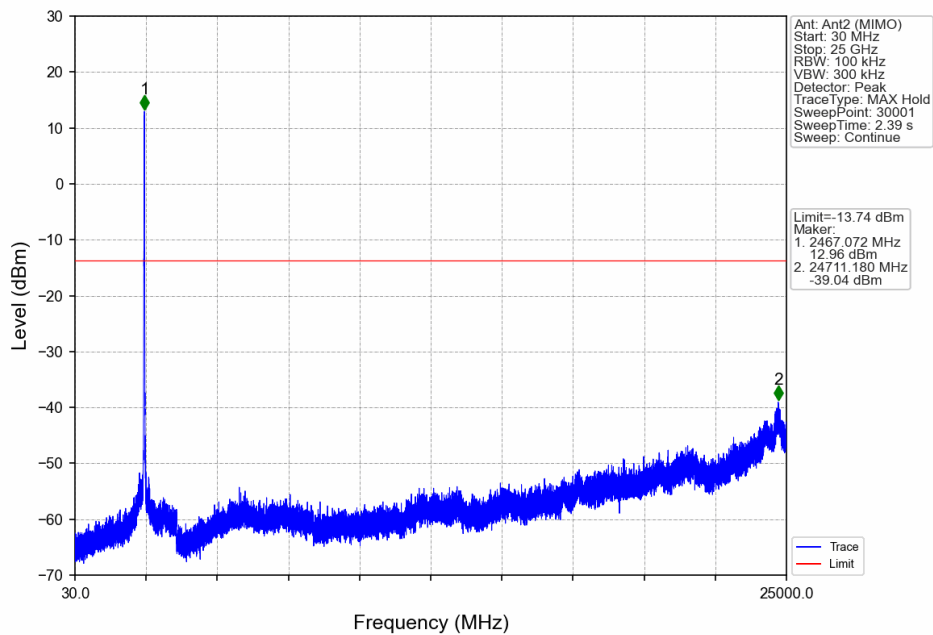
### 802.11g\_HCH\_2462MHz\_Ant1 (MIMO)\_NTNV



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



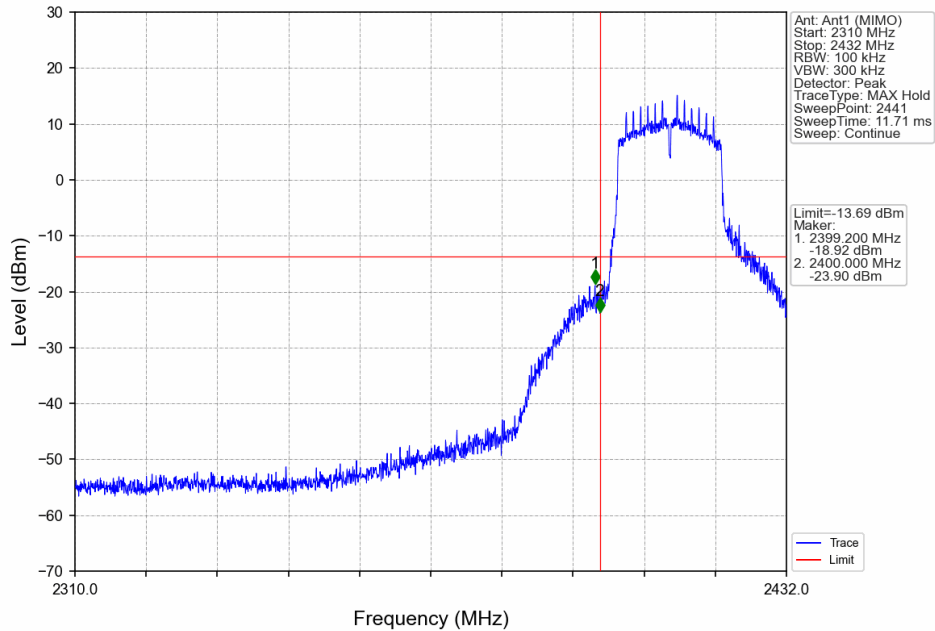
### 802.11g\_HCH\_2462MHz\_Ant2 (MIMO)\_NTNV



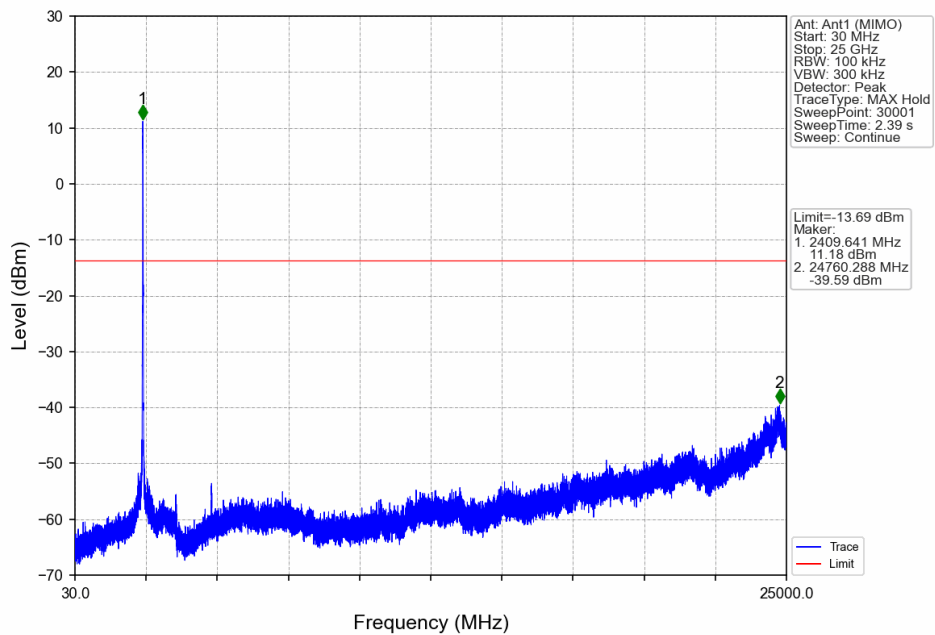
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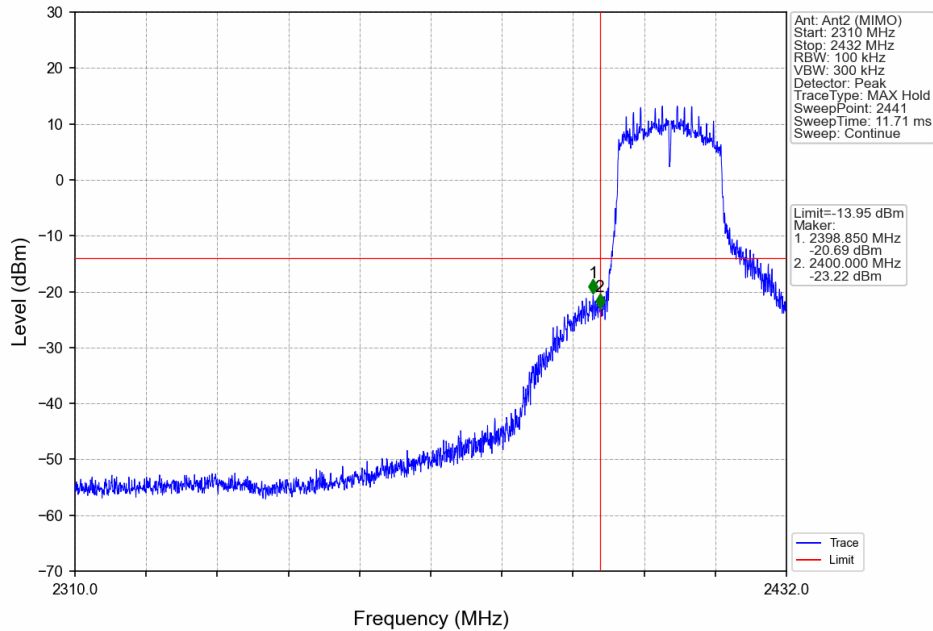
### 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (MIMO)\_NTNV



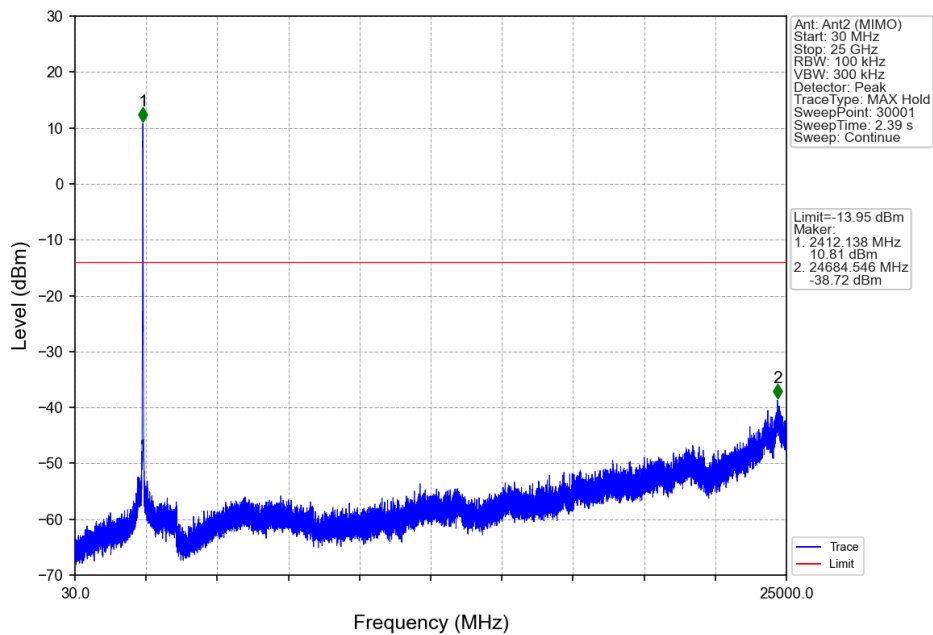
### 802.11n(HT20)\_LCH\_2412MHz\_Ant1 (MIMO)\_NTNV



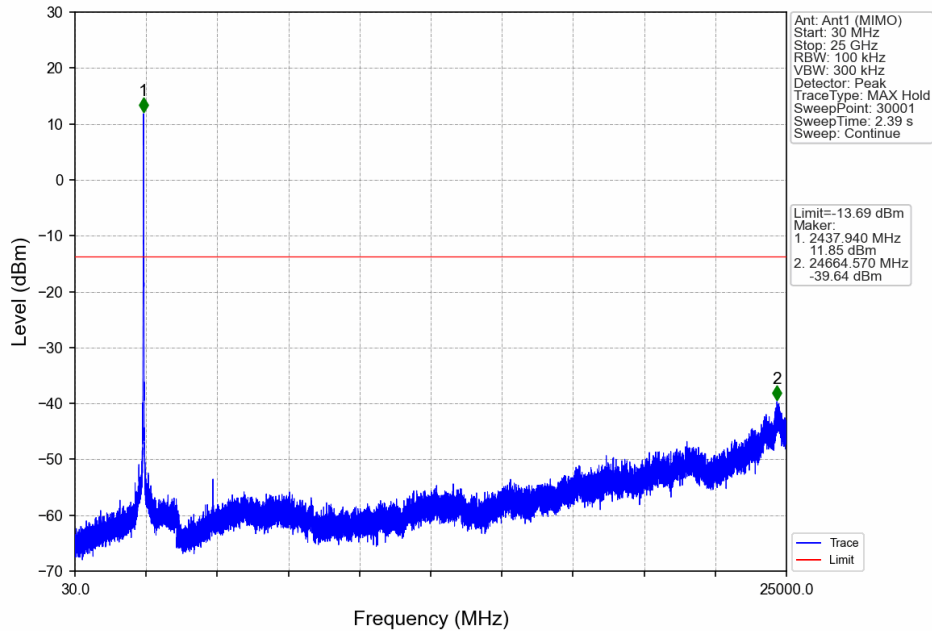
### 802.11n(HT20)\_LCH\_2412MHz\_Ant2 (MIMO)\_NTNV



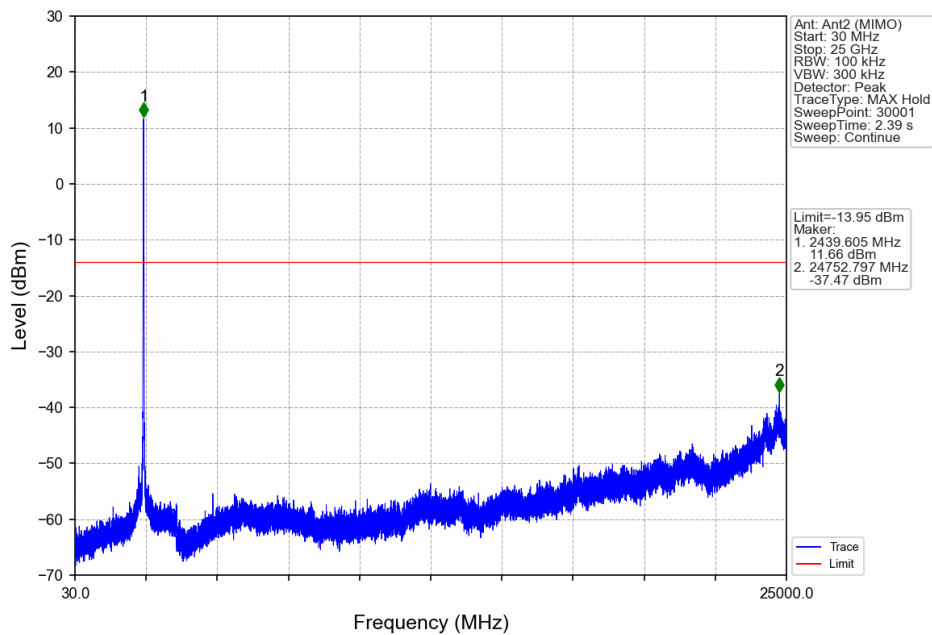
### 802.11n(HT20)\_LCH\_2412MHz\_Ant2 (MIMO)\_NTNV



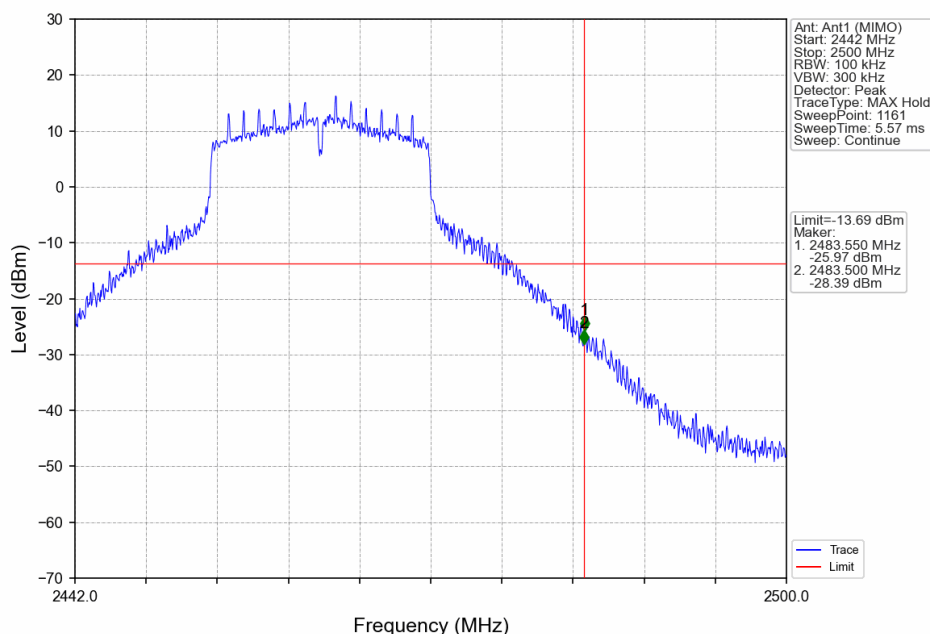
### 802.11n(HT20)\_MCH\_2437MHz\_Ant1 (MIMO)\_NTNV



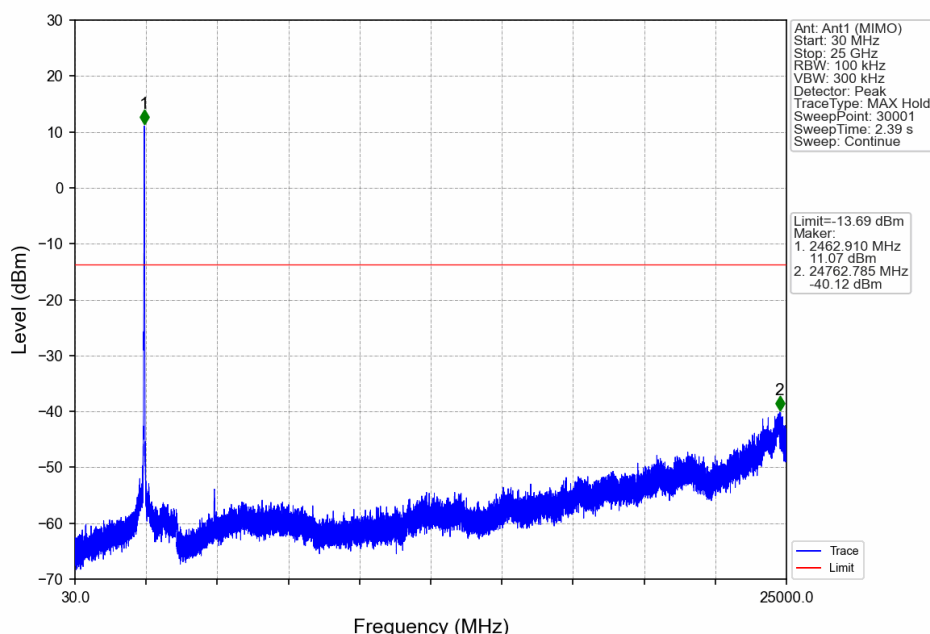
### 802.11n(HT20)\_MCH\_2437MHz\_Ant2 (MIMO)\_NTNV



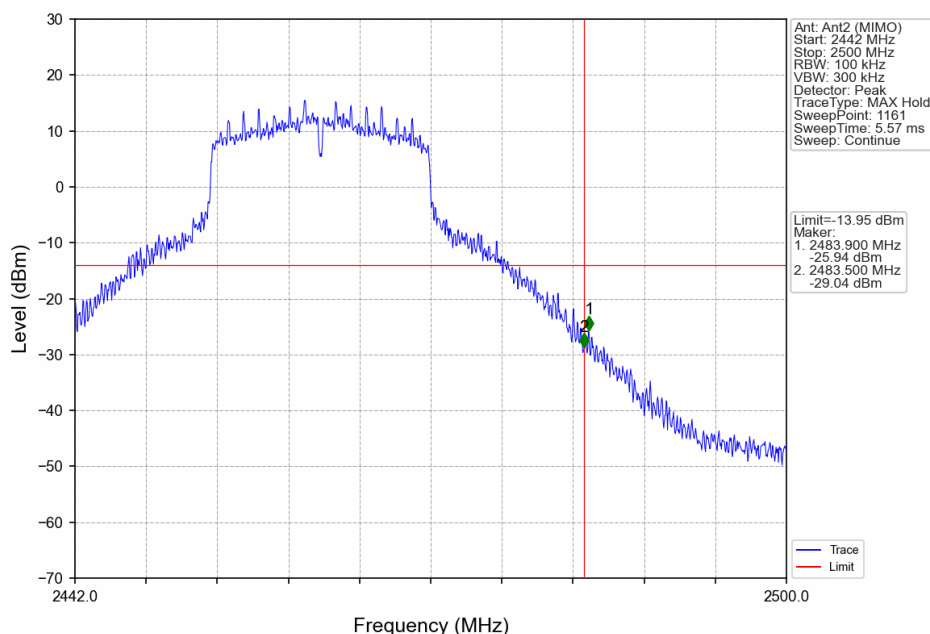
### 802.11n(HT20)\_HCH\_2462MHz\_Ant1 (MIMO)\_NTNV



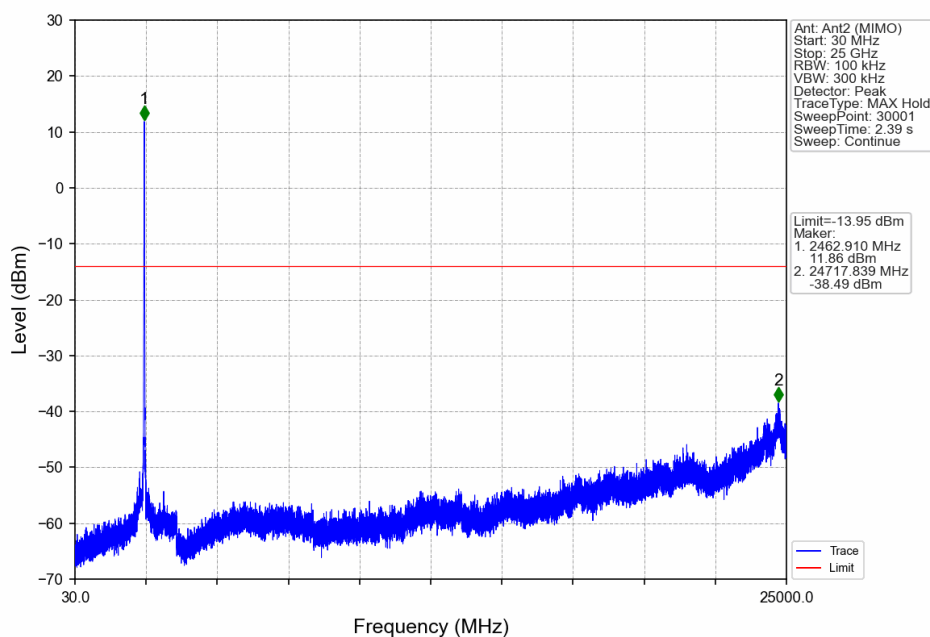
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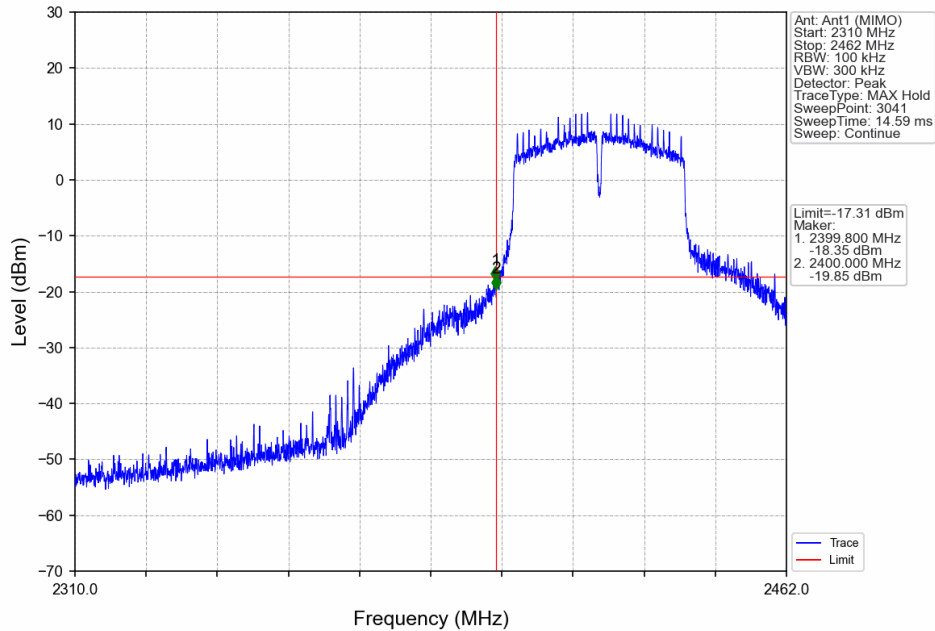
### 802.11n(HT20)\_HCH\_2462MHz\_Ant2 (MIMO)\_NTNV



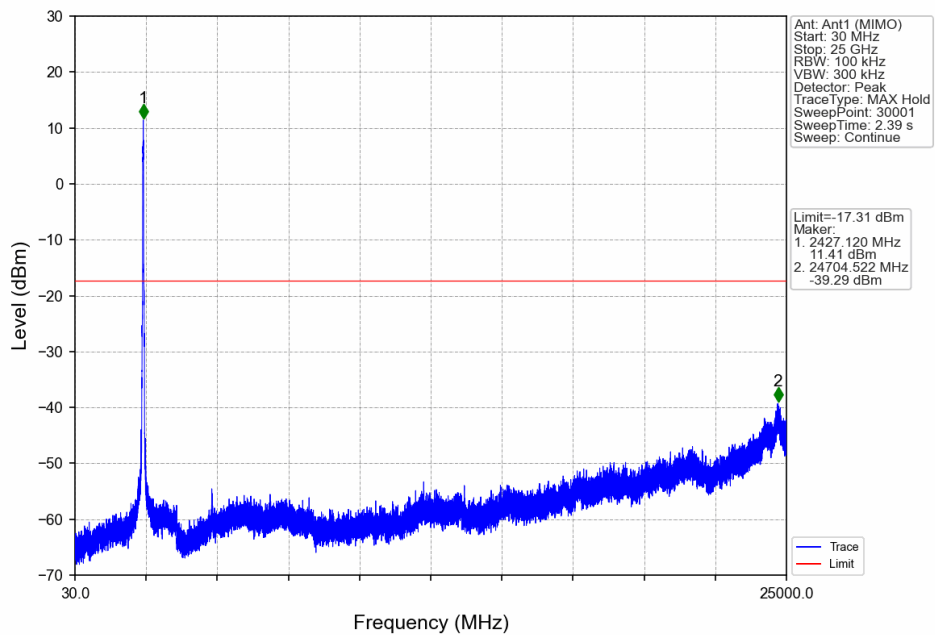
### 802.11n(HT20)\_HCH\_2462MHz\_Ant2 (MIMO)\_NTNV



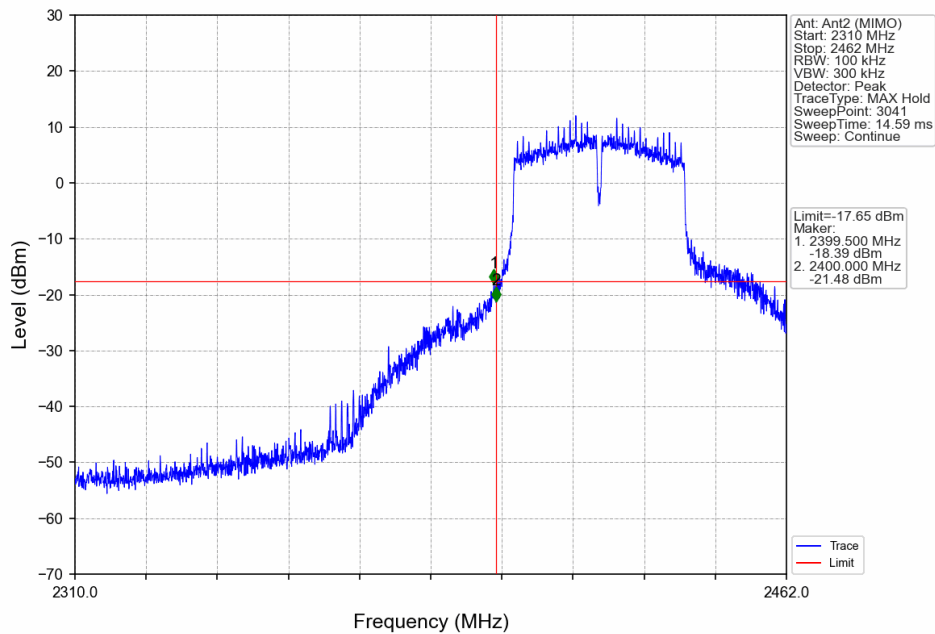
### 802.11n(HT40)\_LCH\_2422MHz\_Ant1 (MIMO)\_NTNV



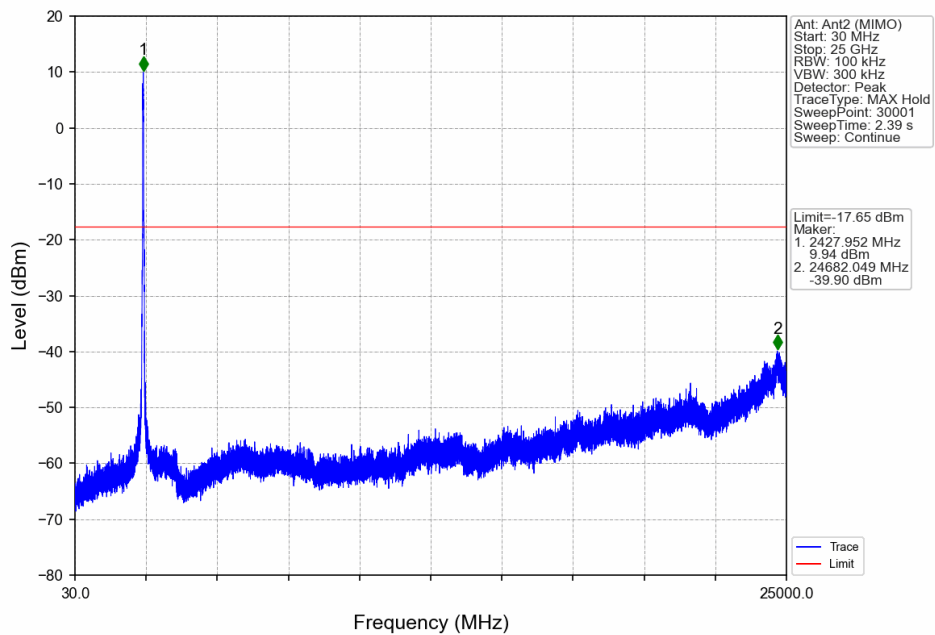
### 802.11n(HT40)\_LCH\_2422MHz\_Ant1 (MIMO)\_NTNV



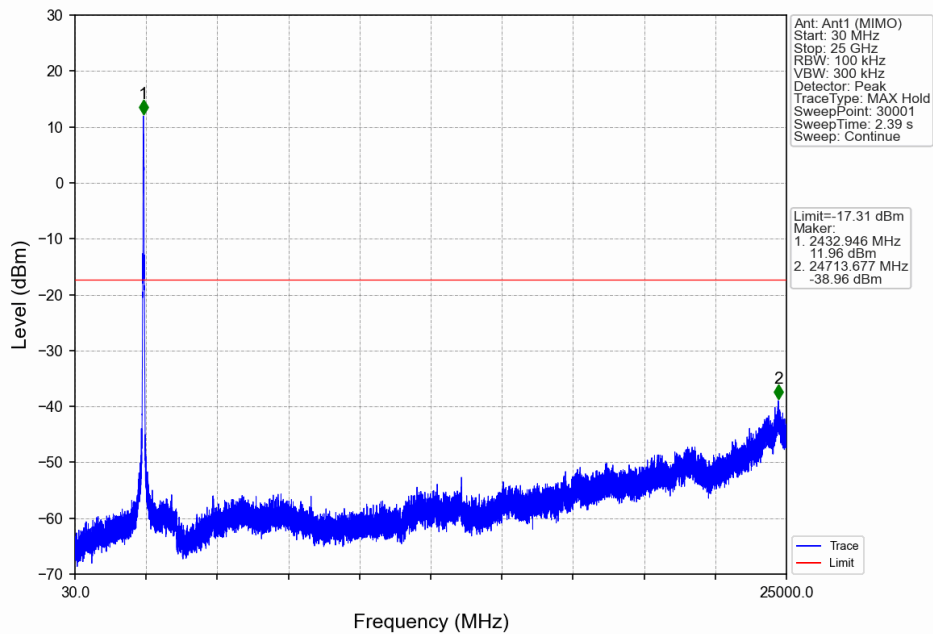
### 802.11n(HT40)\_LCH\_2422MHz\_Ant2 (MIMO)\_NTNV



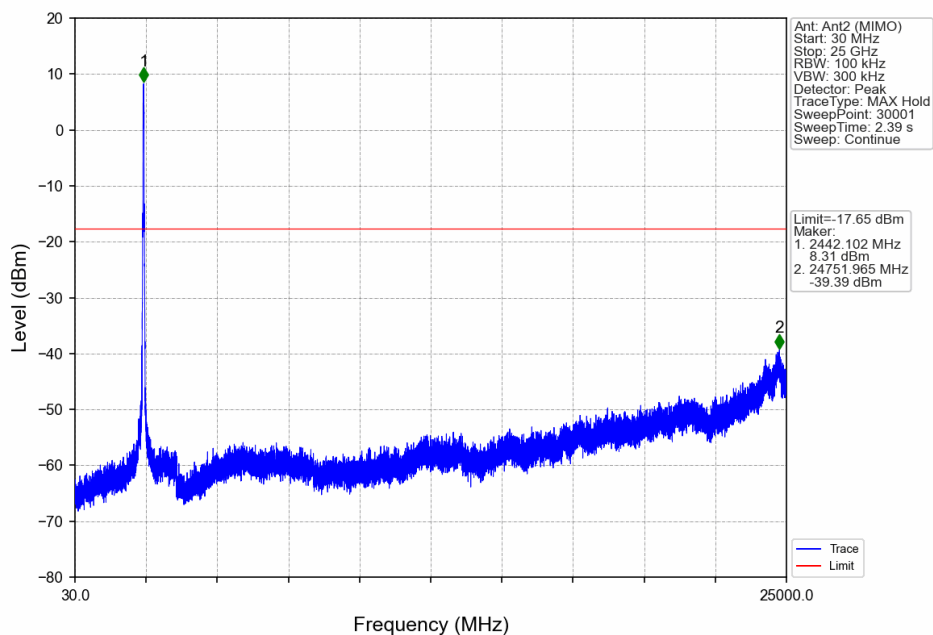
### 802.11n(HT40)\_LCH\_2422MHz\_Ant2 (MIMO)\_NTNV



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



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



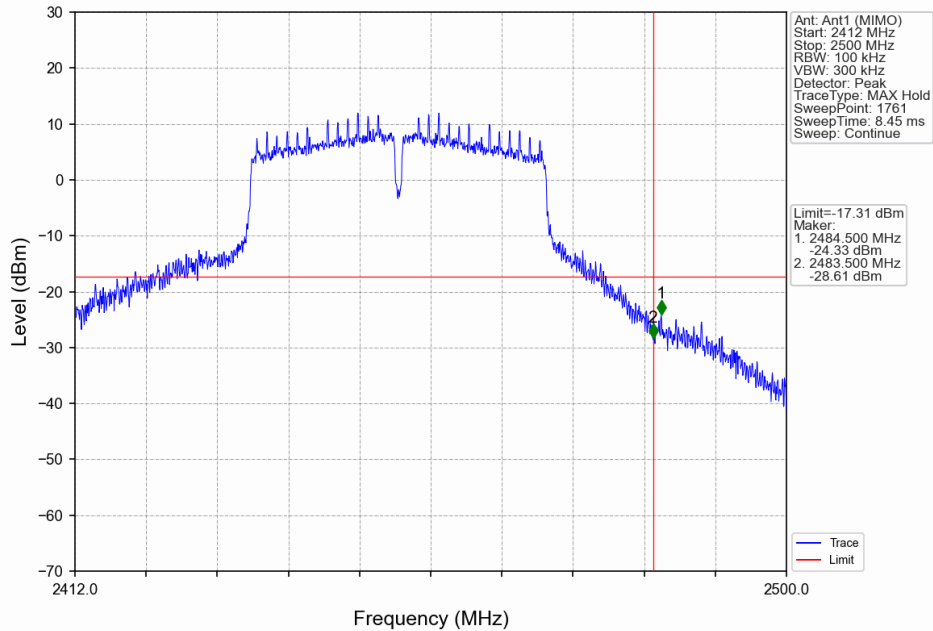
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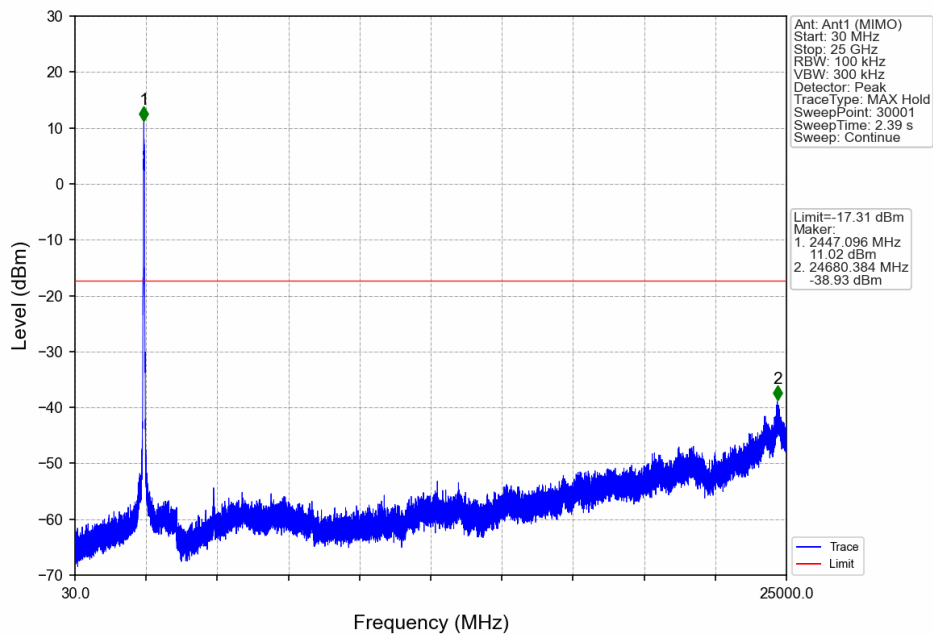
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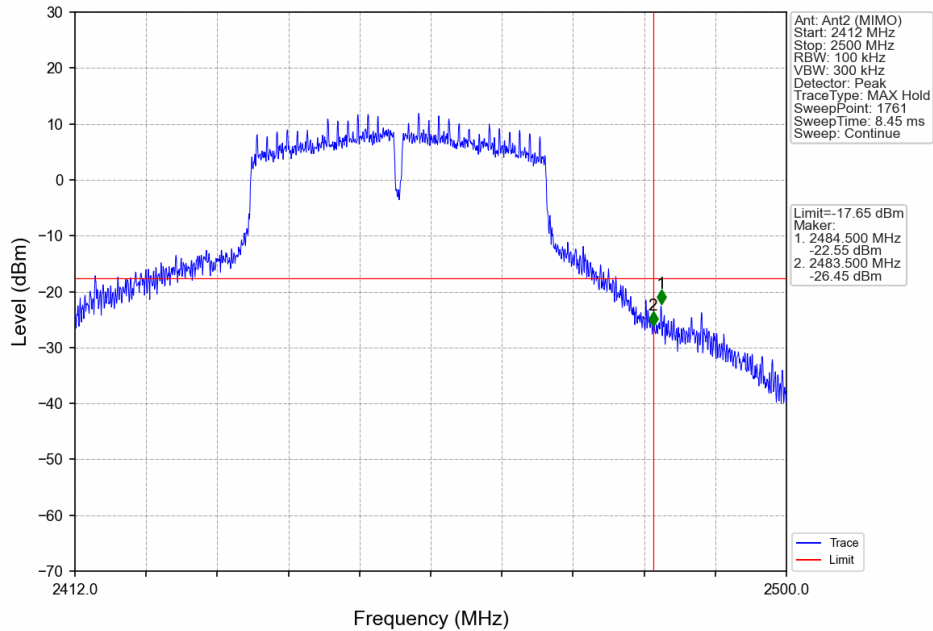
### 802.11n(HT40)\_HCH\_2452MHz\_Ant1 (MIMO)\_NTNV



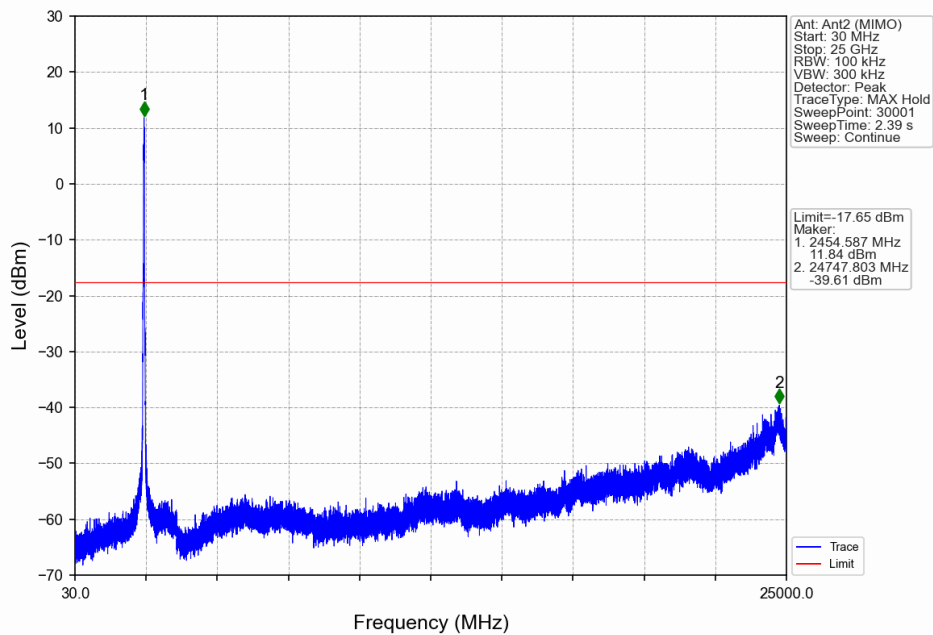
### 802.11n(HT40)\_HCH\_2452MHz\_Ant1 (MIMO)\_NTNV



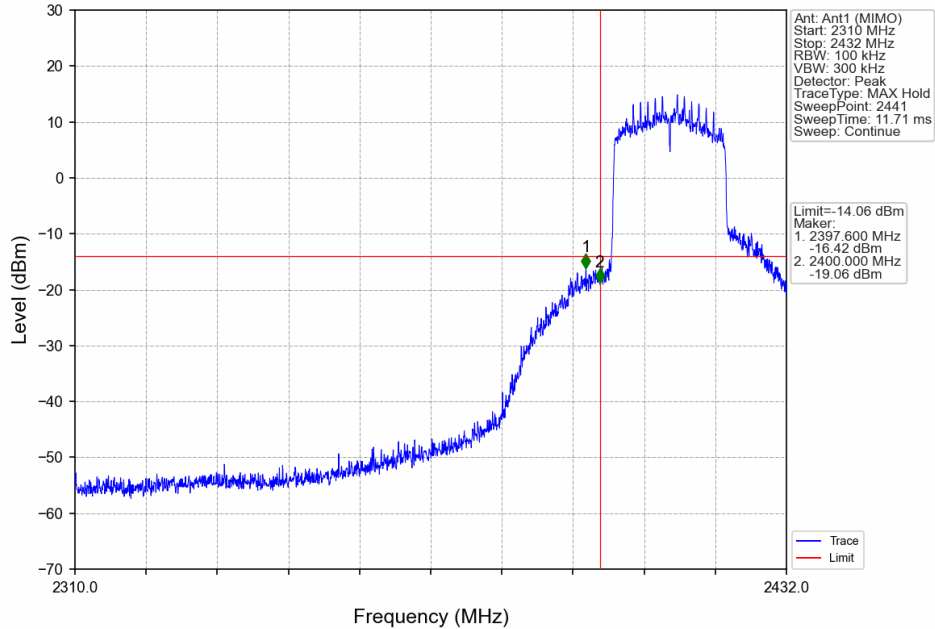
### 802.11n(HT40)\_HCH\_2452MHz\_Ant2 (MIMO)\_NTNV



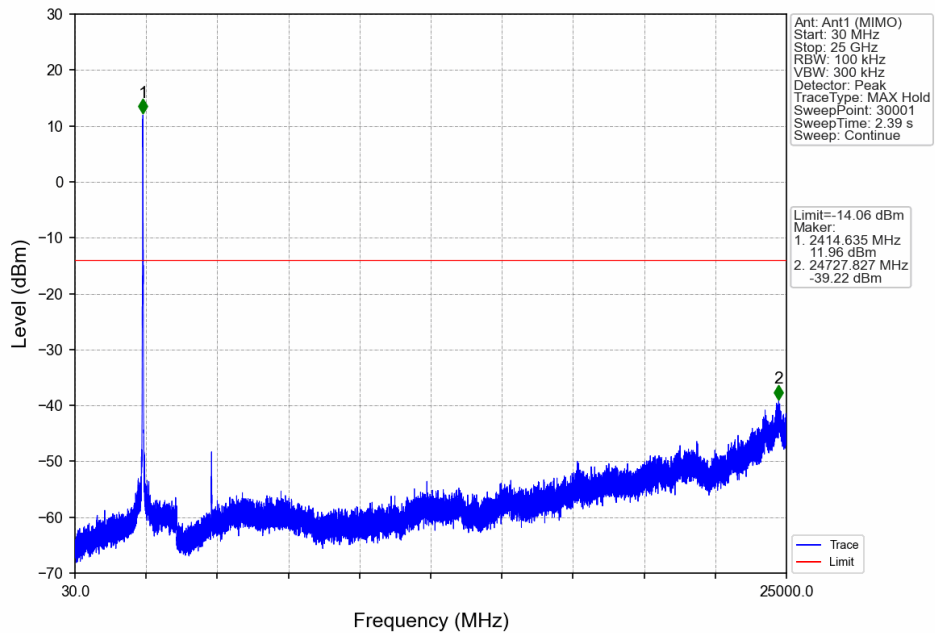
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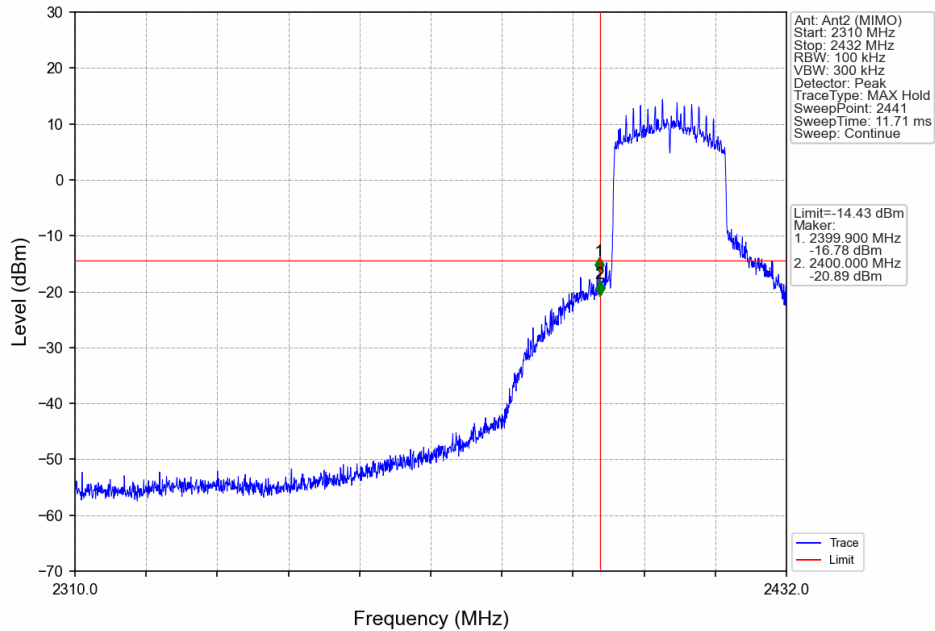
### 802.11ax(HEW20)\_LCH\_2412MHz\_RU242\_Left\_Ant1 (MIMO)\_NTNV



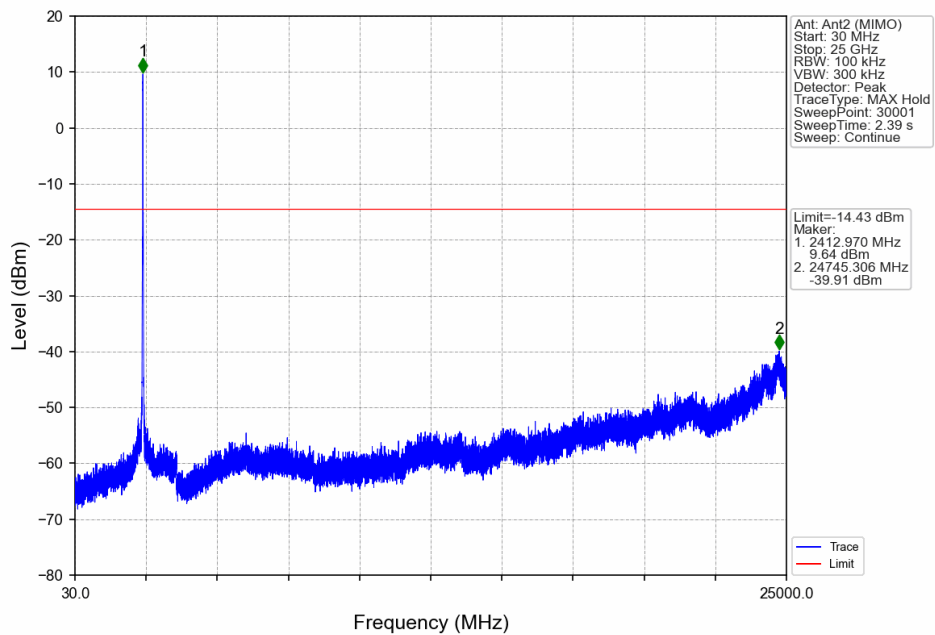
### 802.11ax(HEW20)\_LCH\_2412MHz\_RU242\_Left\_Ant1 (MIMO)\_NTNV



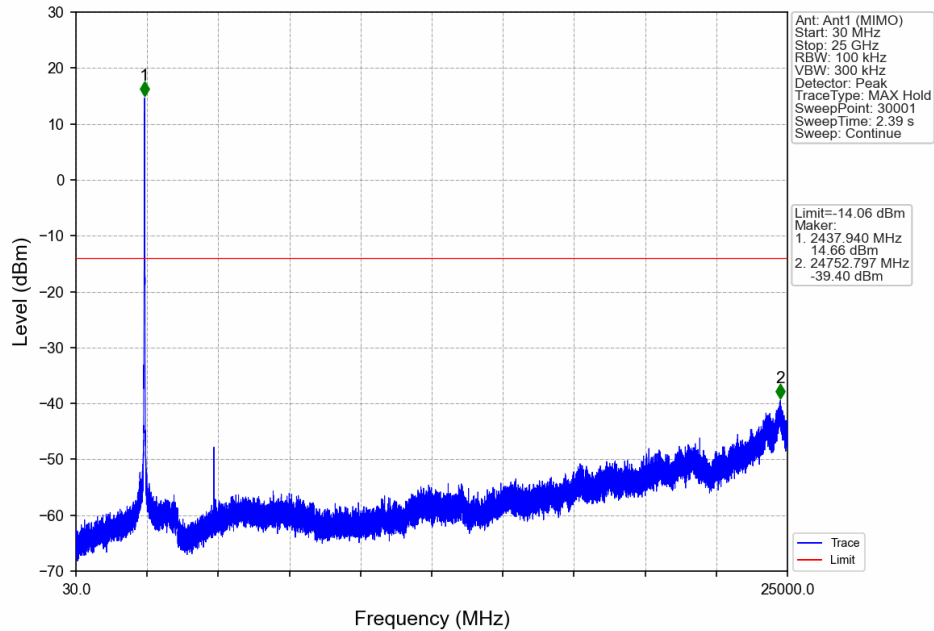
### 802.11ax(HEW20)\_LCH\_2412MHz\_RU242\_Left\_Ant2 (MIMO)\_NTNV



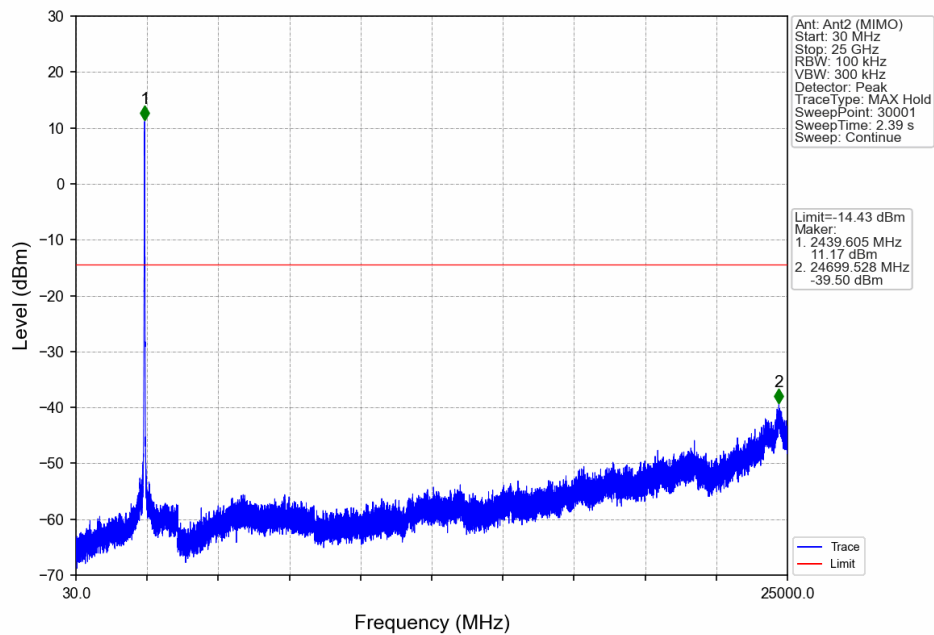
### 802.11ax(HEW20)\_LCH\_2412MHz\_RU242\_Left\_Ant2 (MIMO)\_NTNV



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



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



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