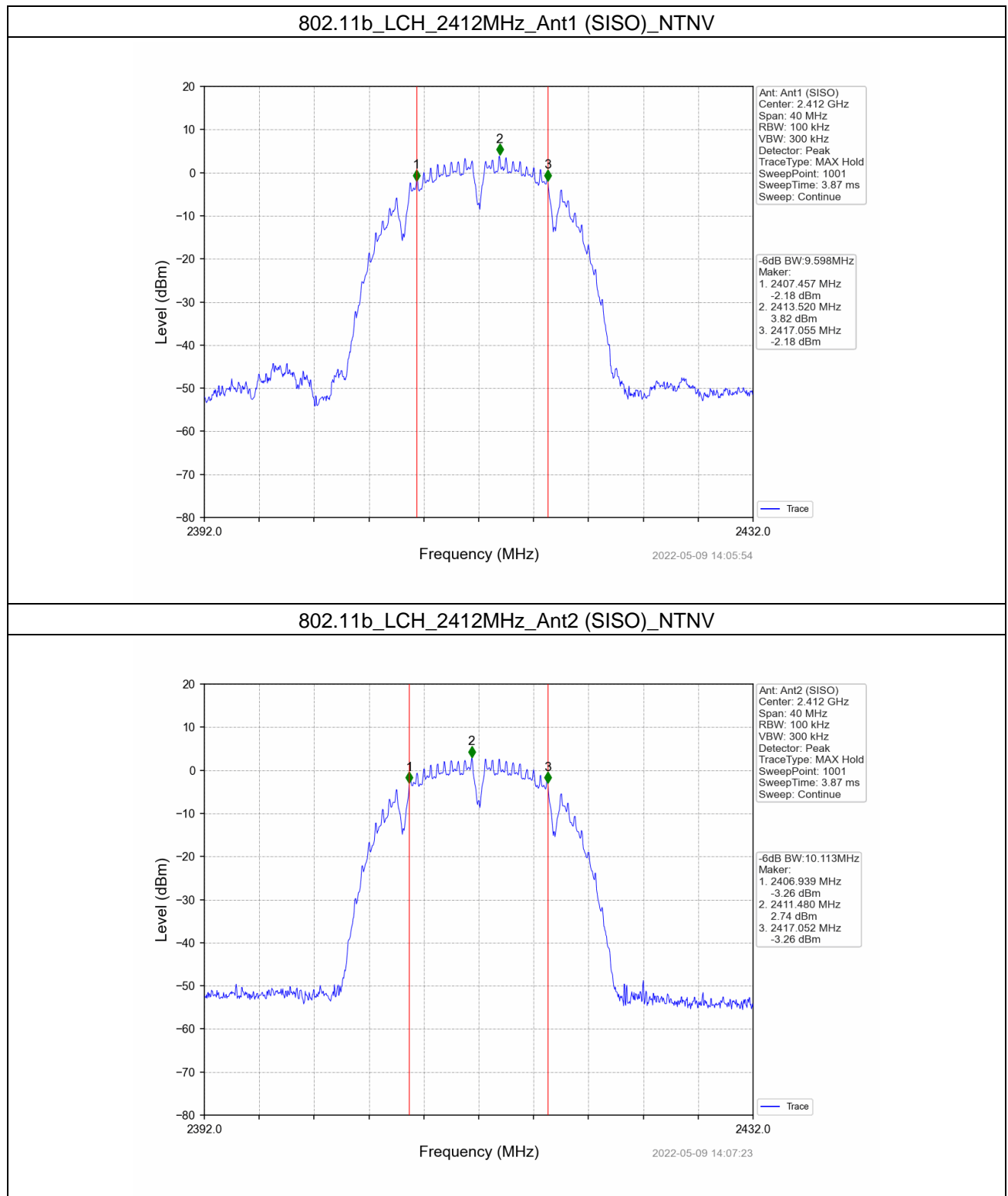
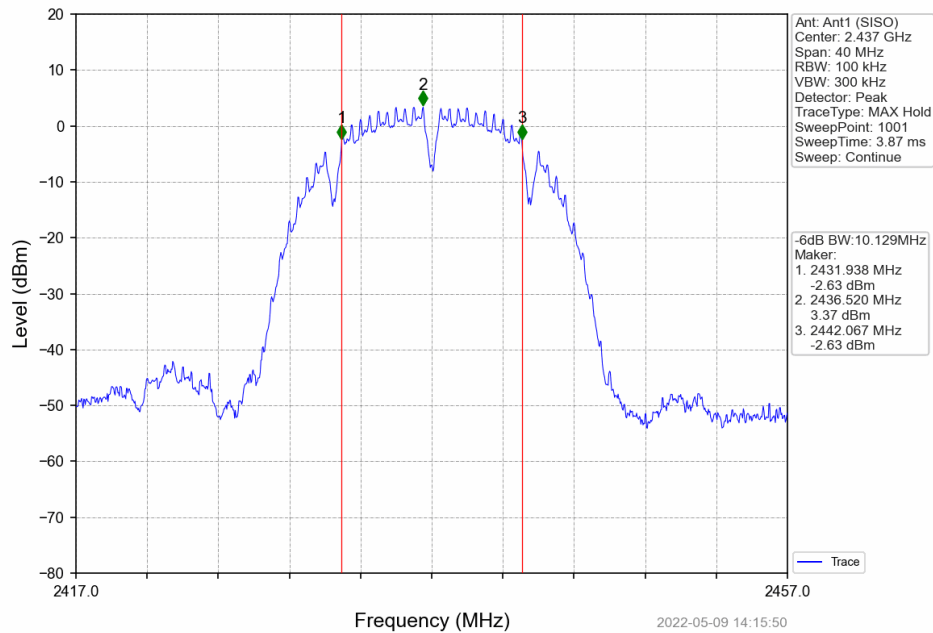


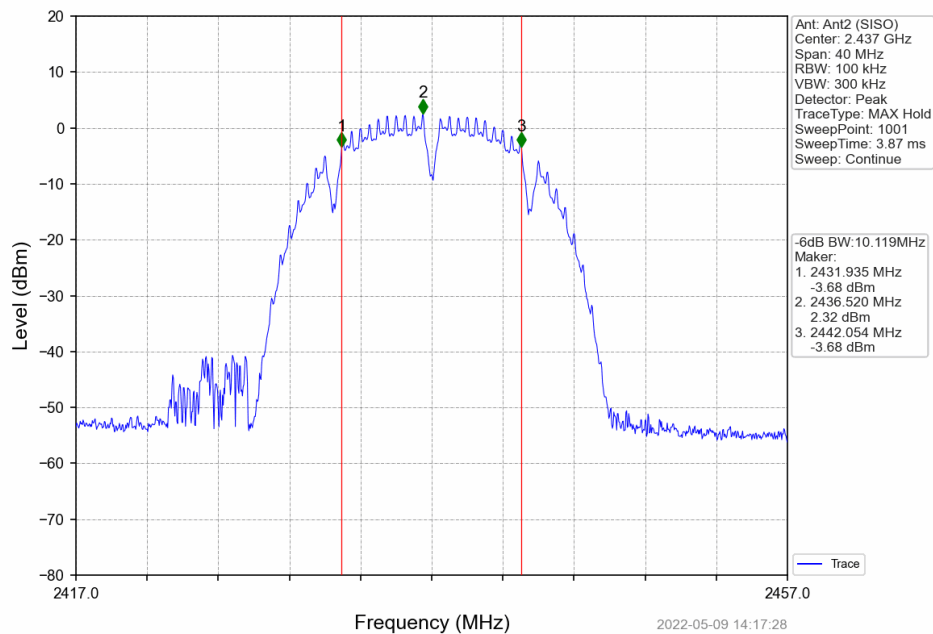
2.1.2 Test Graph



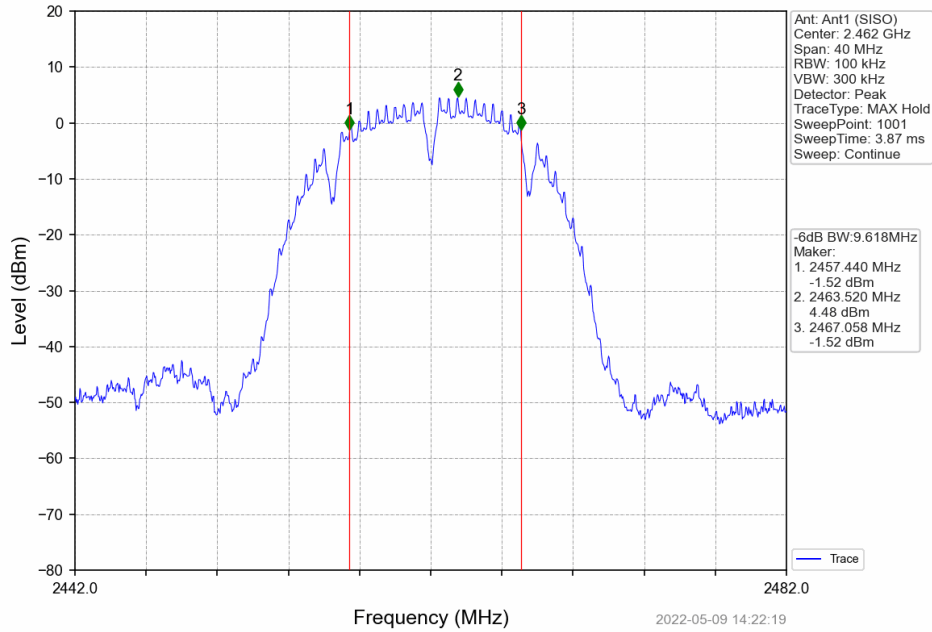
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



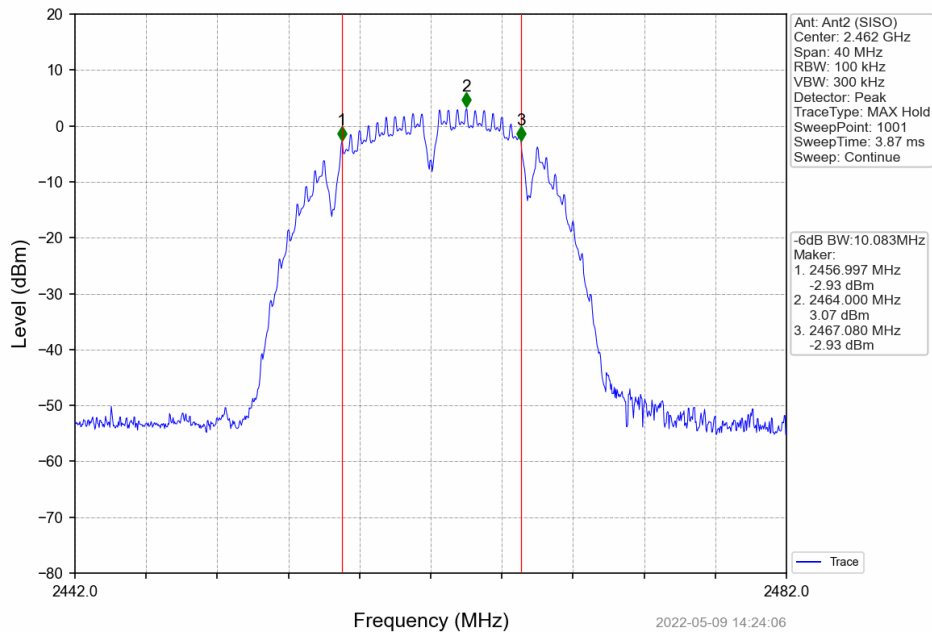
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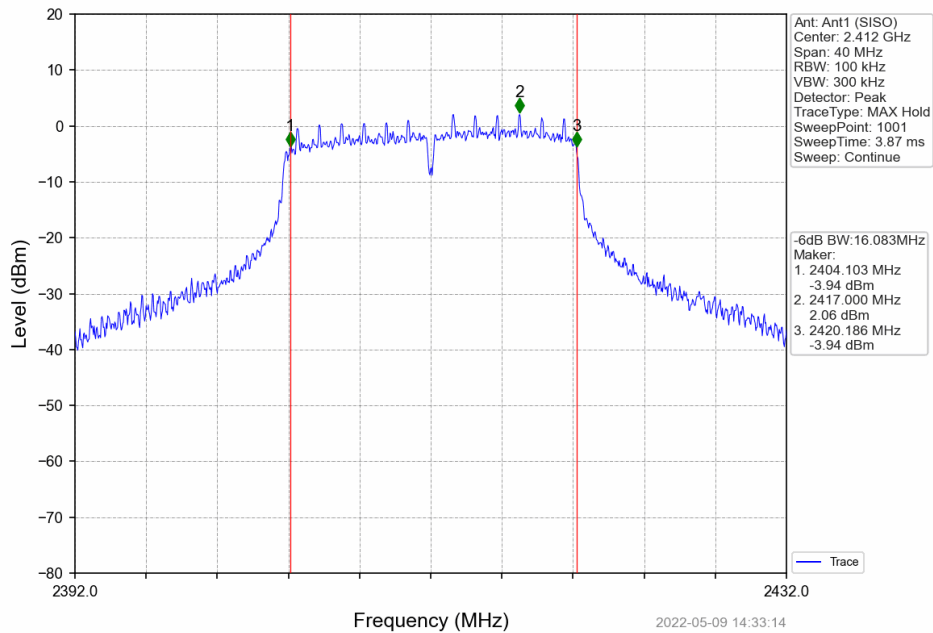
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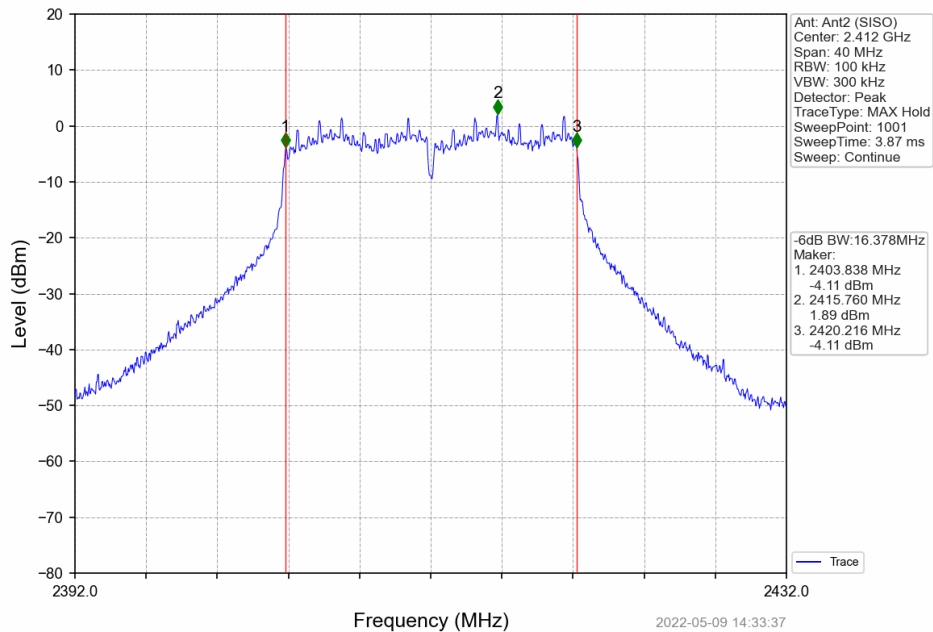
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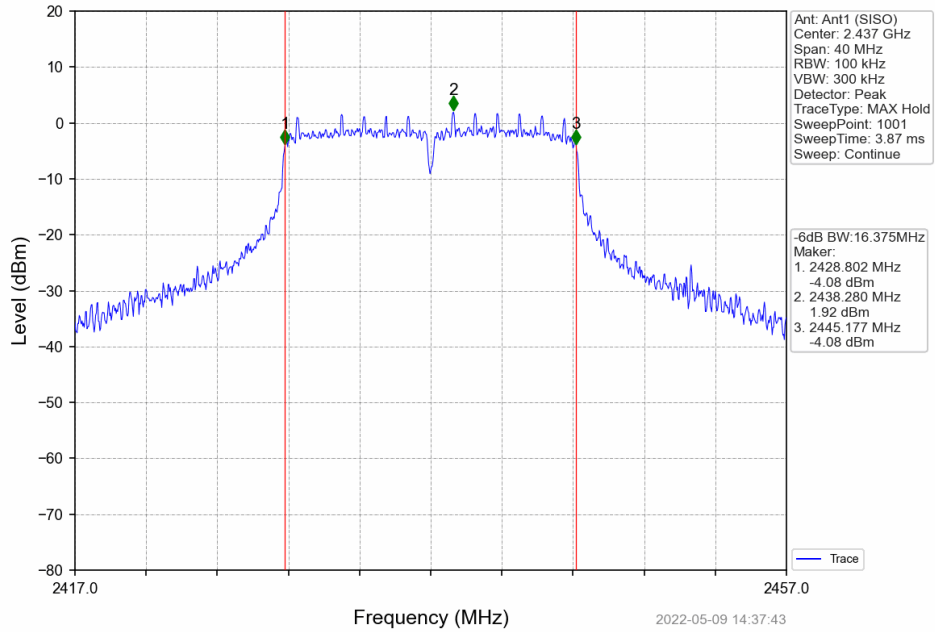
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



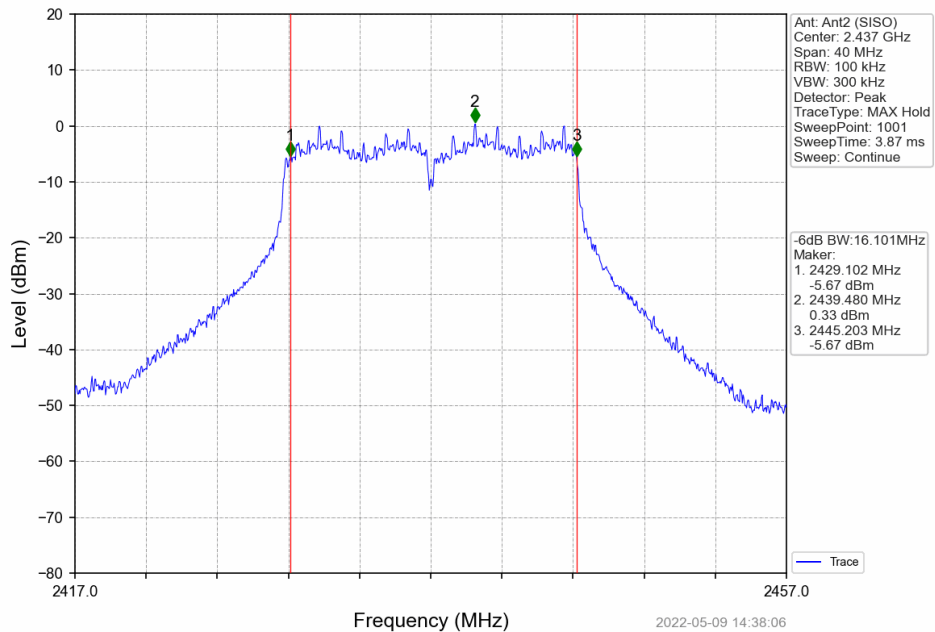
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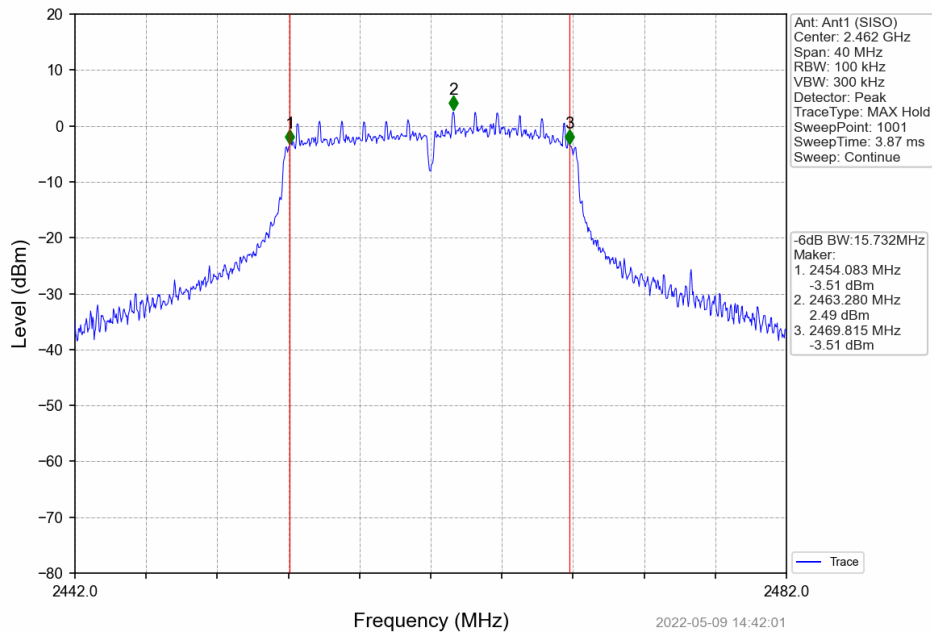
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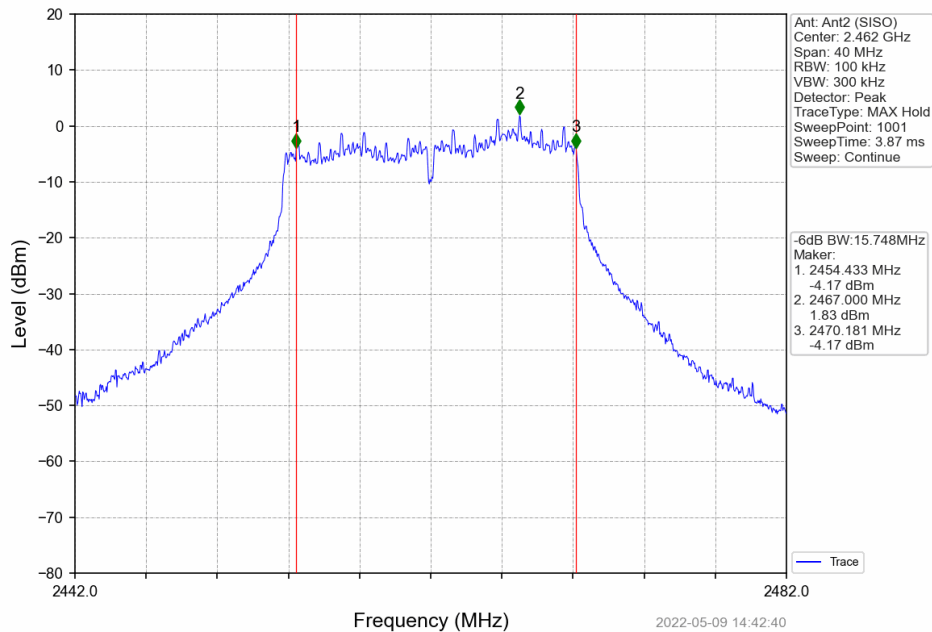
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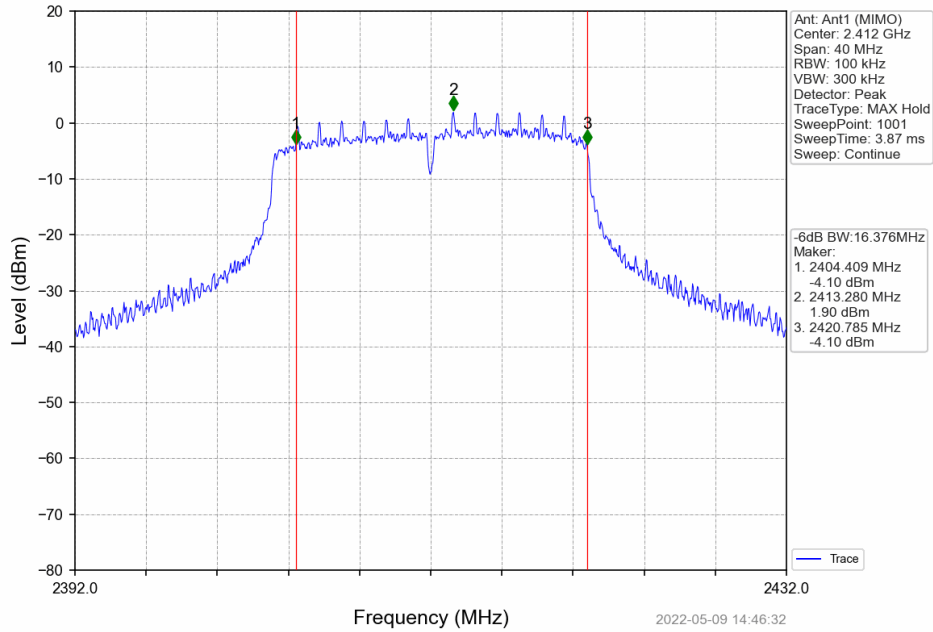
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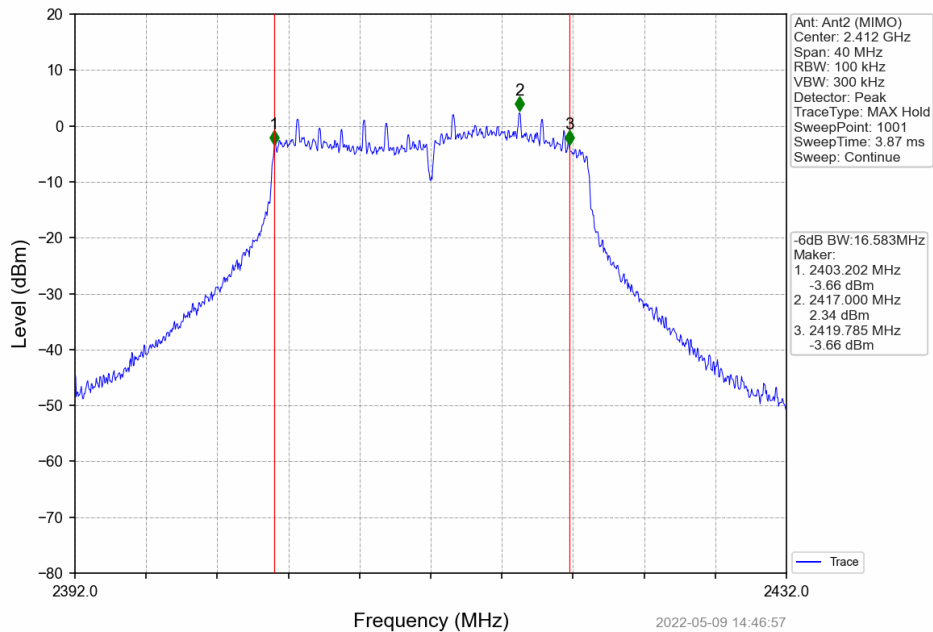
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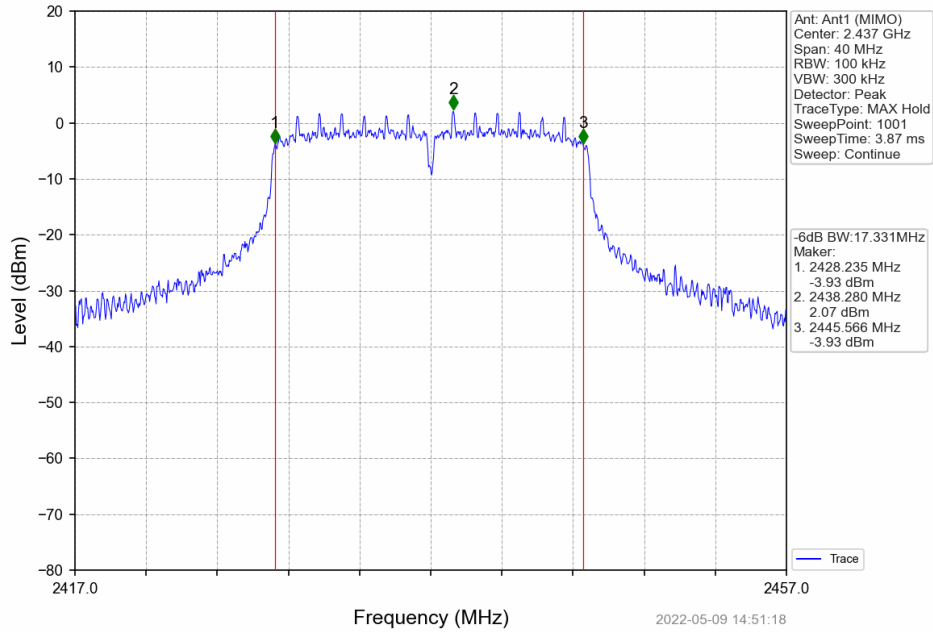
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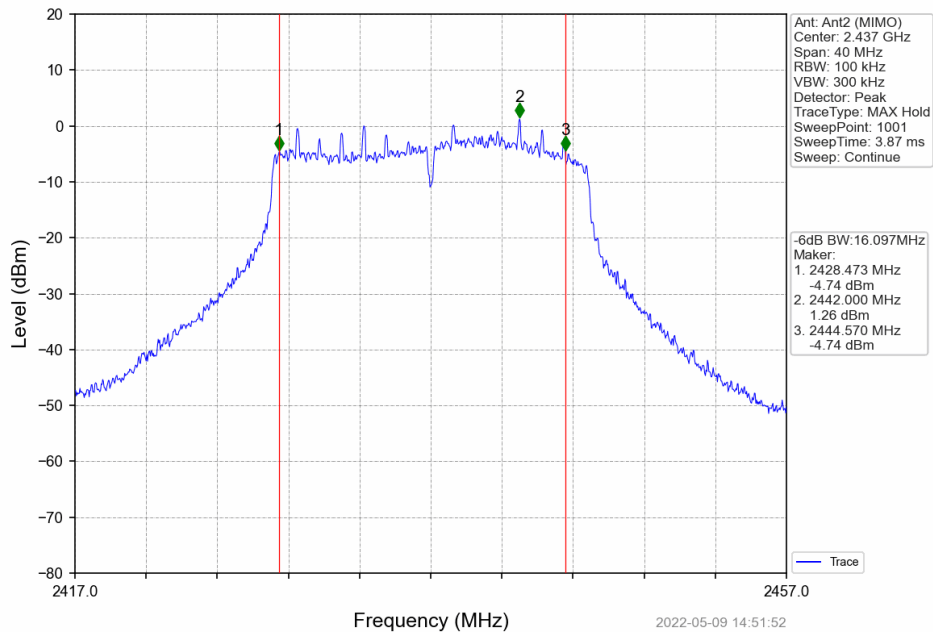
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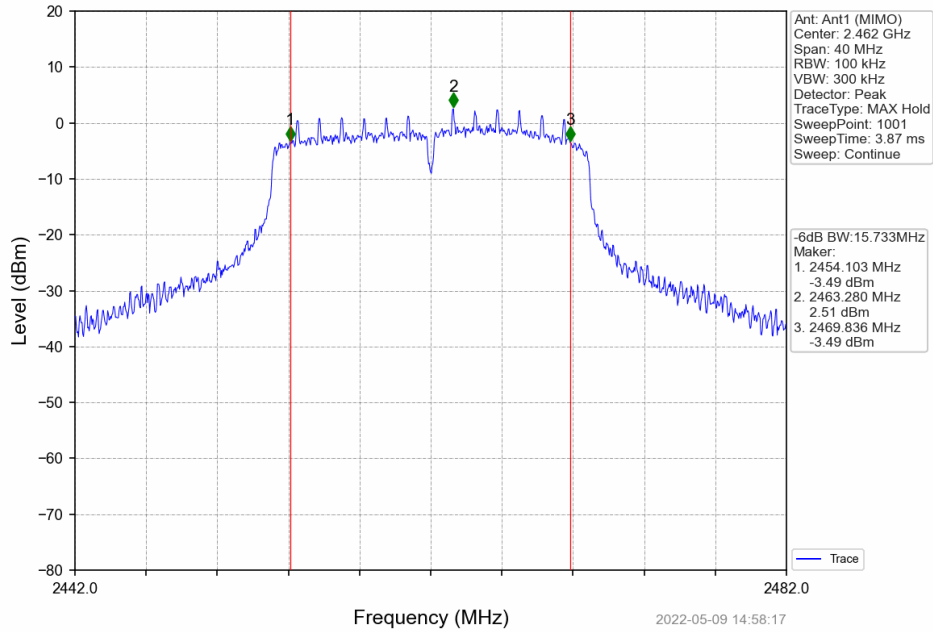
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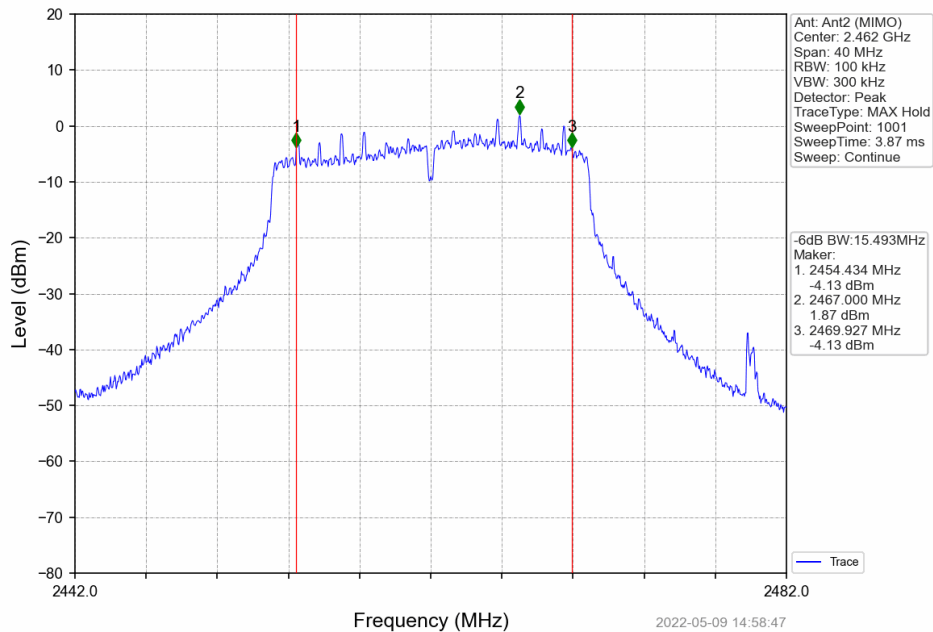
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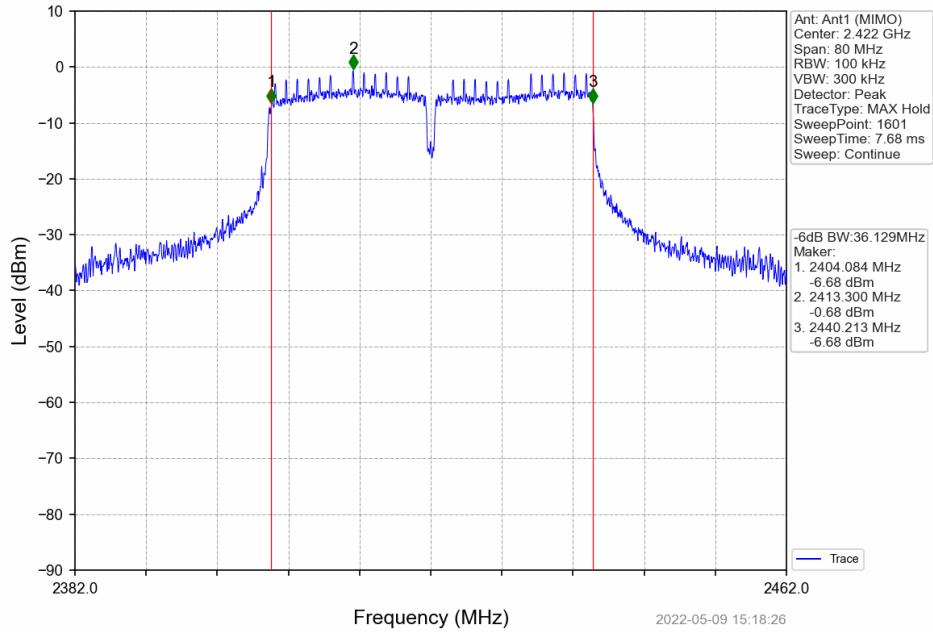
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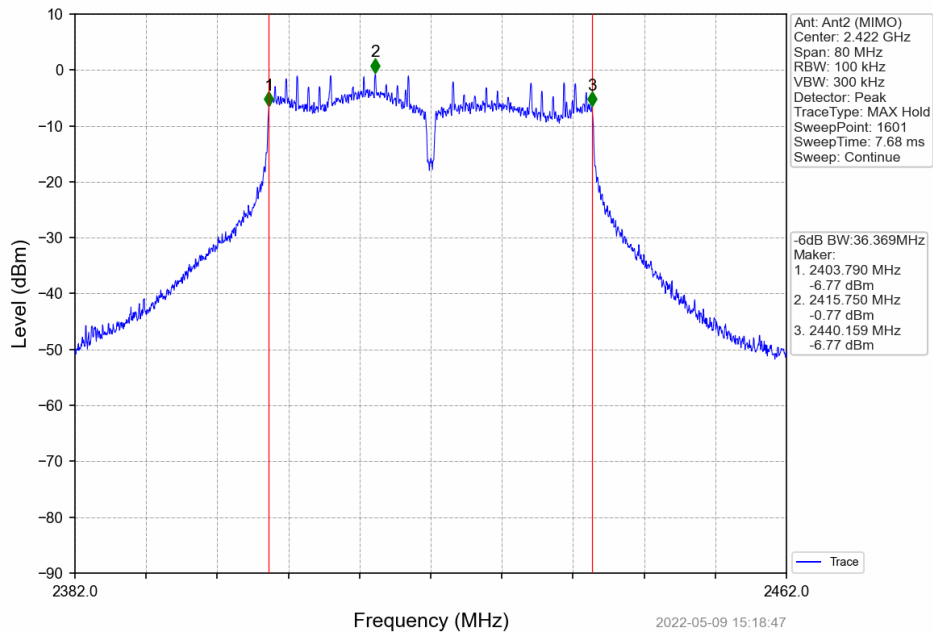
802.11n(HT20)_HCH_2462MHz_Ant2 (MIMO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



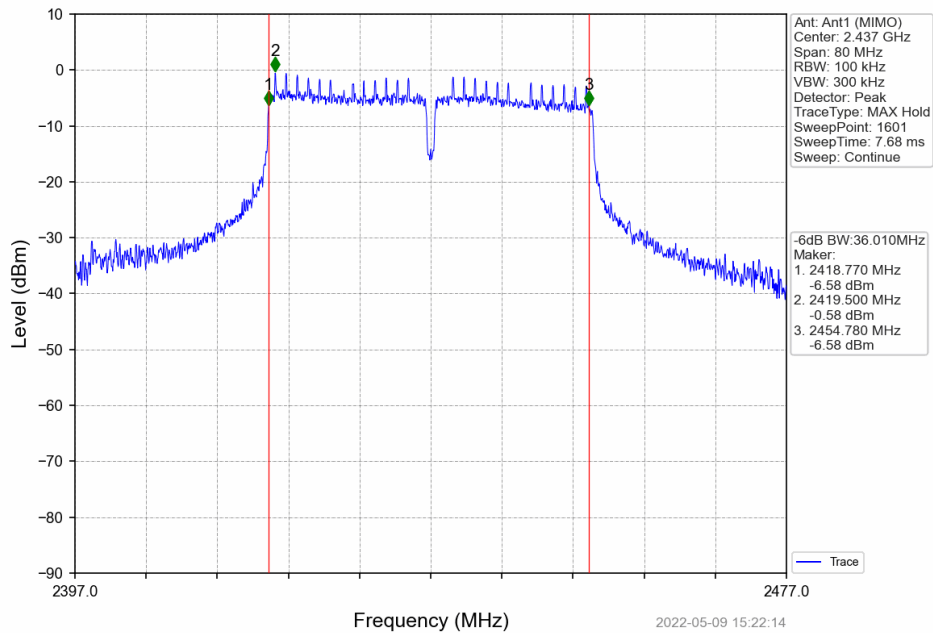
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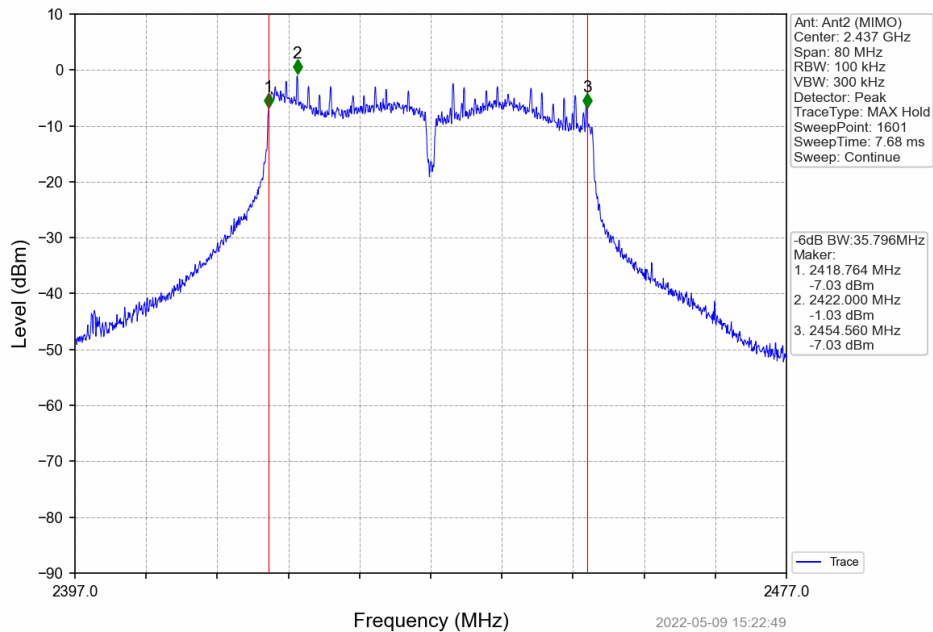
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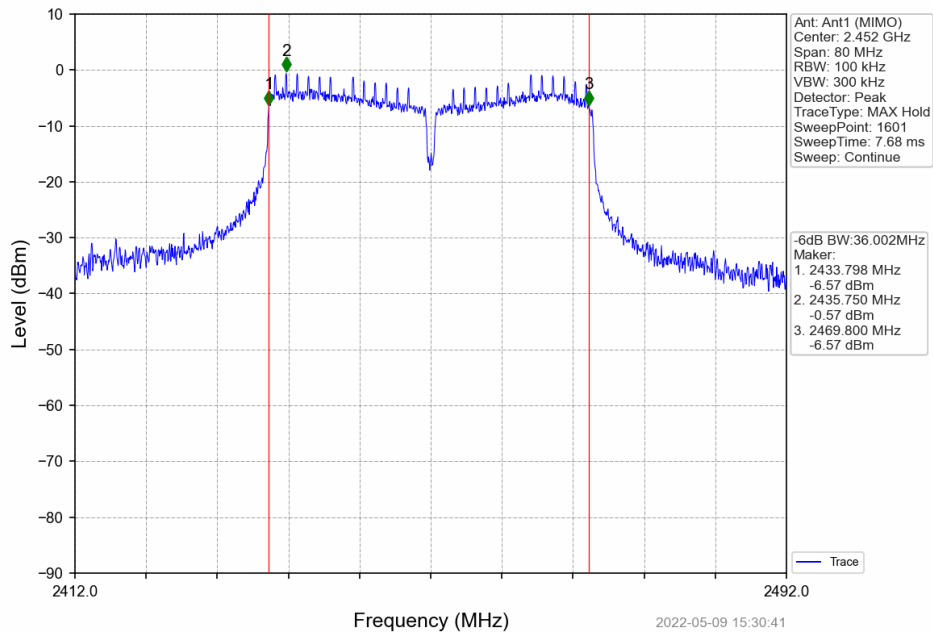
802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



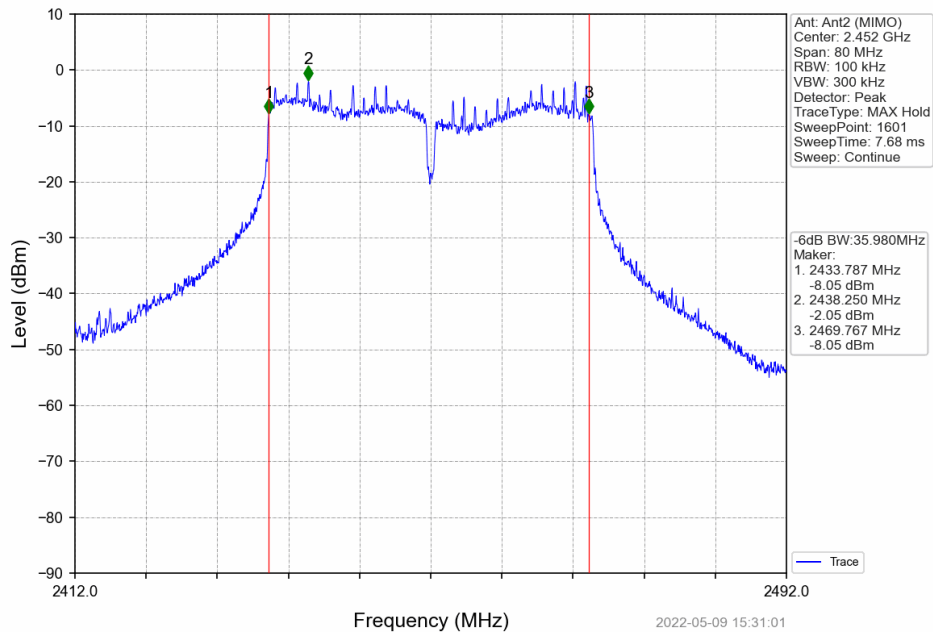
802.11n(HT40)_MCH_2437MHz_Ant2 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant2 (MIMO)_NTNV



3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11b	SISO	2412	15.22	15.28	/	<=30	Pass
		2437	15.31	13.98	/	<=30	Pass
		2462	15.76	14.47	/	<=30	Pass
802.11g	SISO	2412	20.33	20.58	/	<=30	Pass
		2437	20.61	18.99	/	<=30	Pass
		2462	20.57	19.09	/	<=30	Pass
802.11n (HT20)	MIMO	2412	20.04	19.87	22.97	<=30	Pass
		2437	20.65	18.31	22.65	<=30	Pass
		2462	20.34	18.25	22.43	<=30	Pass
802.11n (HT40)	MIMO	2422	20.77	19.93	23.38	<=30	Pass
		2437	20.71	18.86	22.89	<=30	Pass
		2452	20.52	18.72	22.72	<=30	Pass

Note1: Antenna Gain: Ant1: 2.00dBi; Ant2: 2.00dBi;
Note2: Directional Gain: Correlated (Directional Gain = $G_{ANT} + 10 \cdot \log(N_{ANT})$)

4. Maximum Power Spectral Density

4.1 PSD

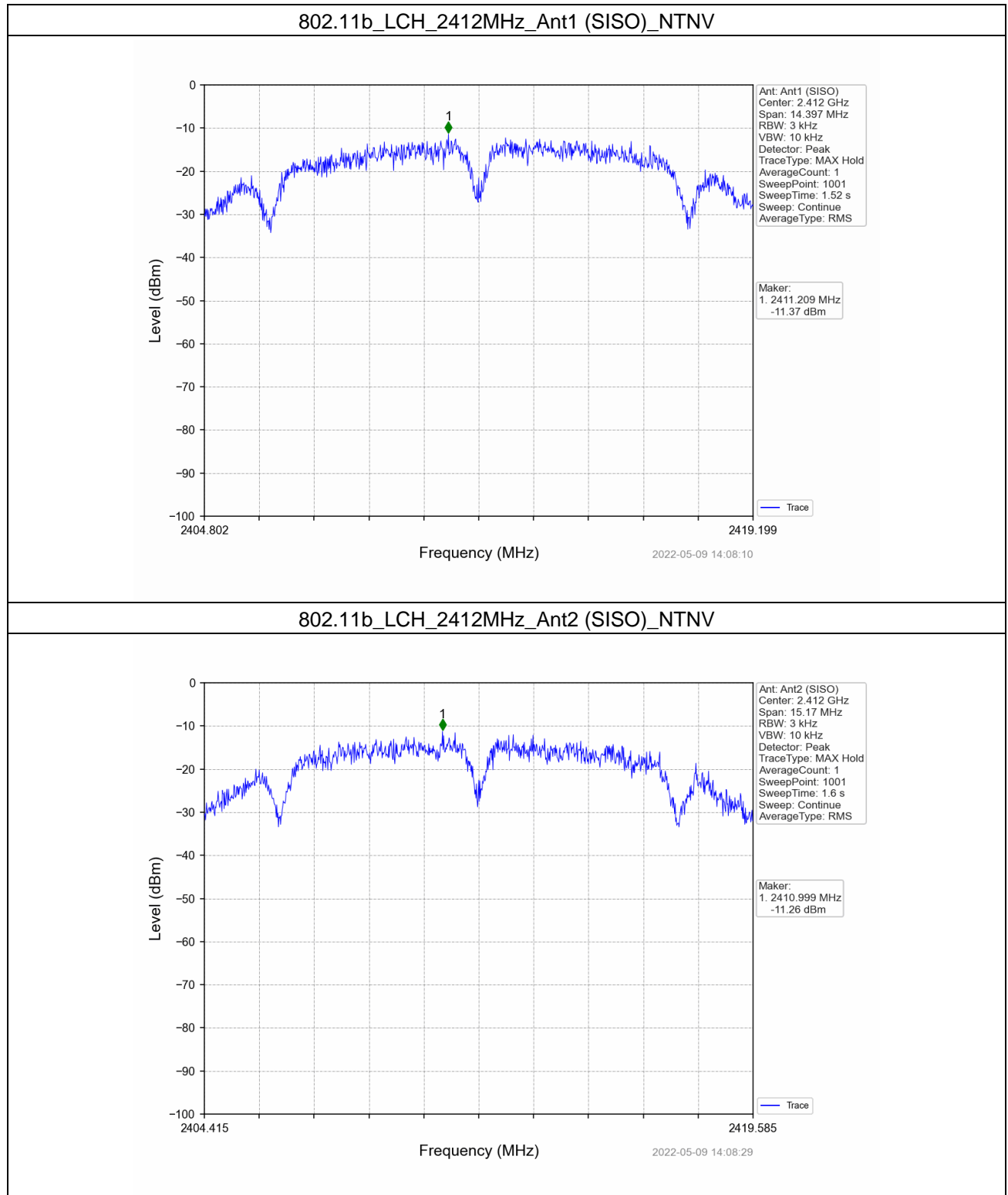
4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11b	SISO	2412	-11.37	-11.26	/	<=8	Pass
		2437	-10.90	-11.98	/	<=8	Pass
		2462	-9.53	-10.79	/	<=8	Pass
802.11g	SISO	2412	-12.19	-11.95	/	<=8	Pass
		2437	-11.84	-14.22	/	<=8	Pass
		2462	-12.28	-13.25	/	<=8	Pass
802.11n (HT20)	MIMO	2412	-13.44	-12.75	-10.53	<=8	Pass
		2437	-12.35	-14.22	-11.10	<=8	Pass
		2462	-11.31	-13.09	-10.70	<=8	Pass
802.11n (HT40)	MIMO	2422	-16.02	-14.78	-13.32	<=8	Pass
		2437	-13.56	-16.42	-12.77	<=8	Pass
		2452	-14.86	-16.59	-13.69	<=8	Pass

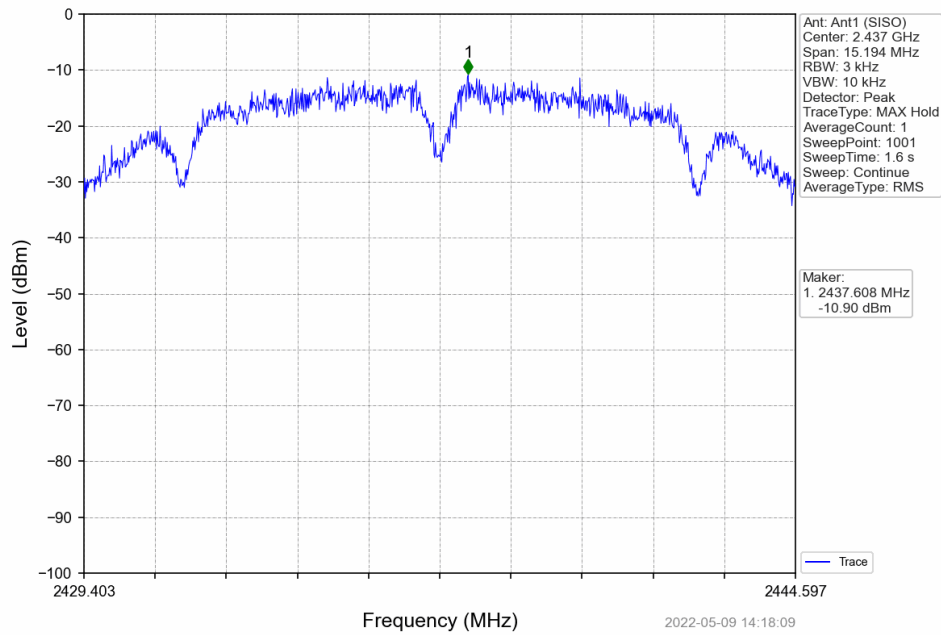
Note1: Antenna Gain: Ant1: 2.00dBi; Ant2: 2.00dBi;

Note2: Directional Gain: Correlated (Directional Gain = $G_{ANT} + 10 \cdot \log(N_{ANT})$)

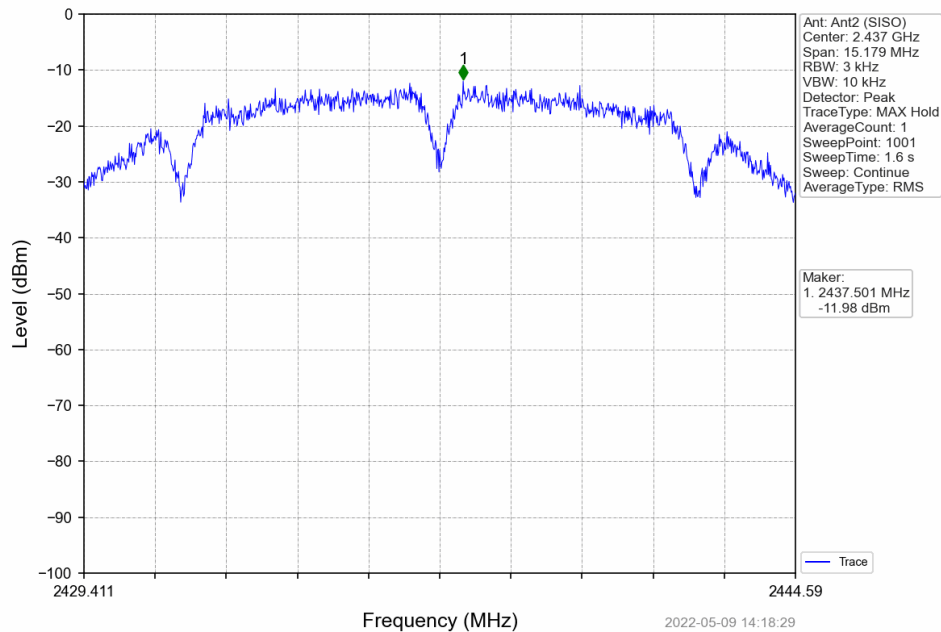
4.1.2 Test Graph



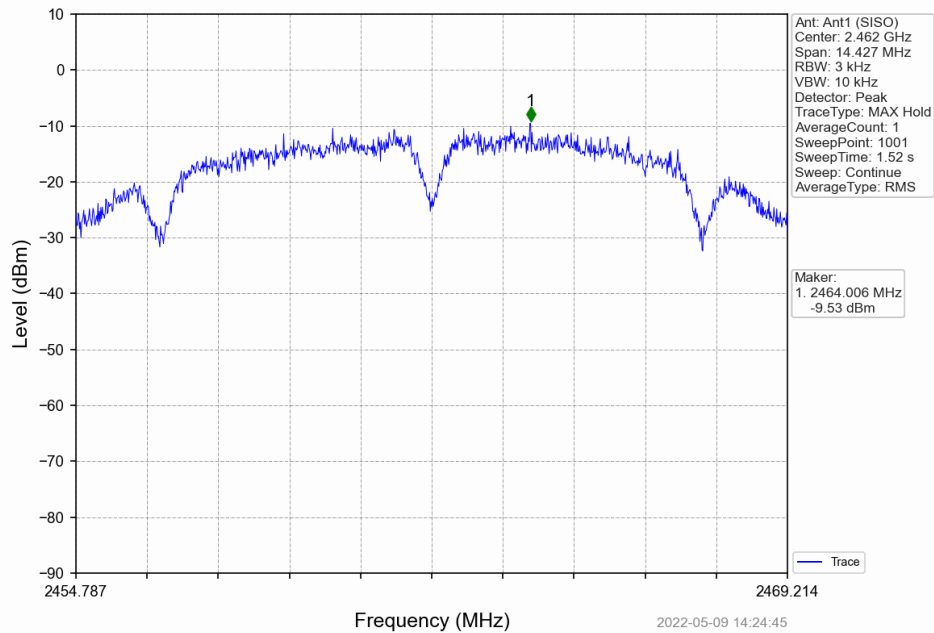
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



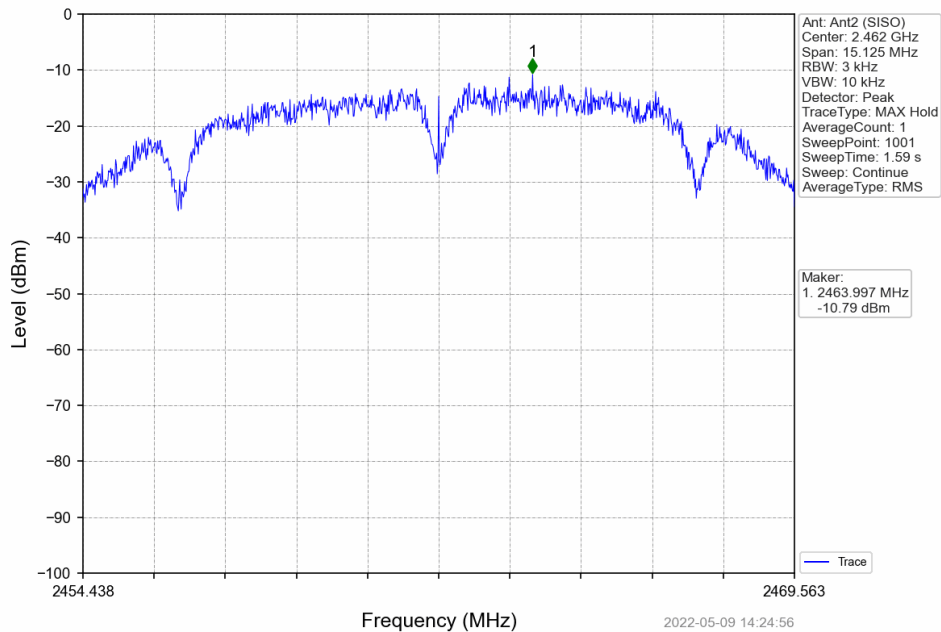
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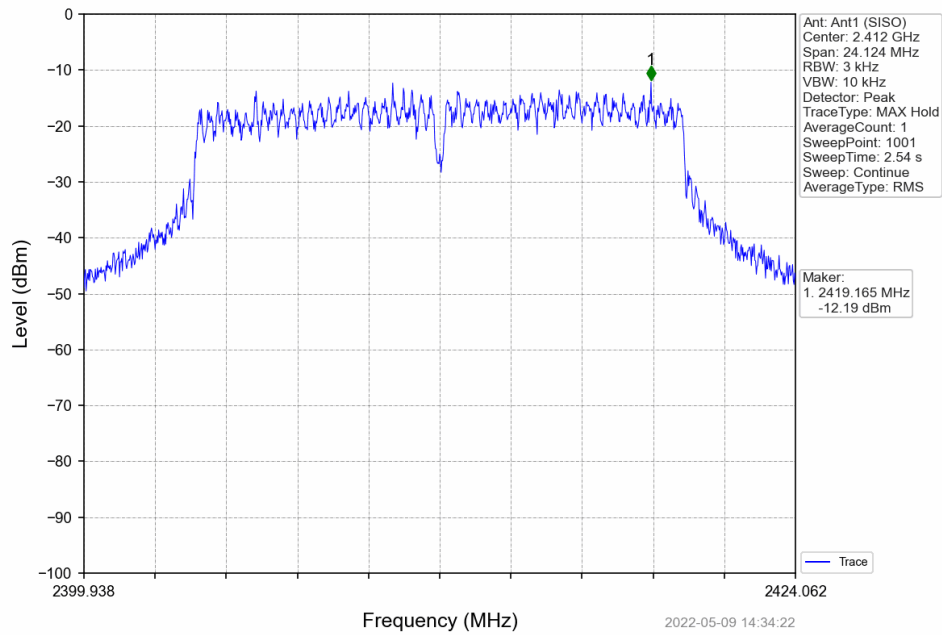
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



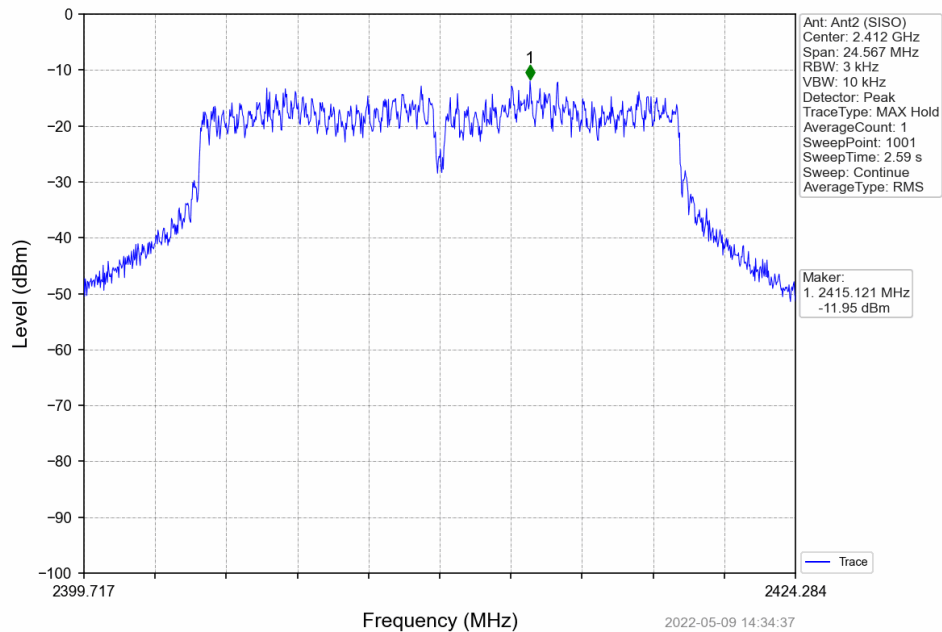
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802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV

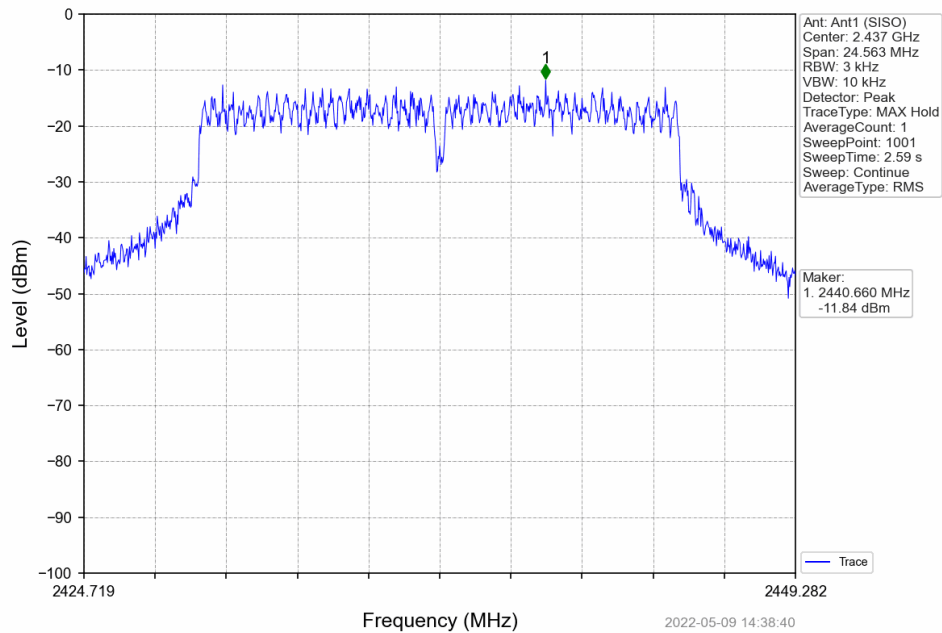


802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV

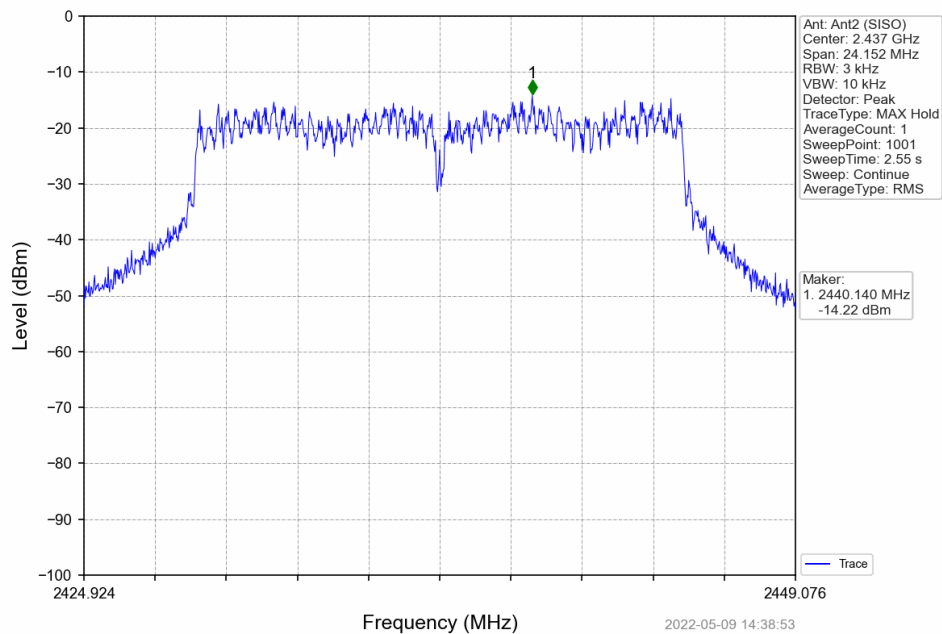


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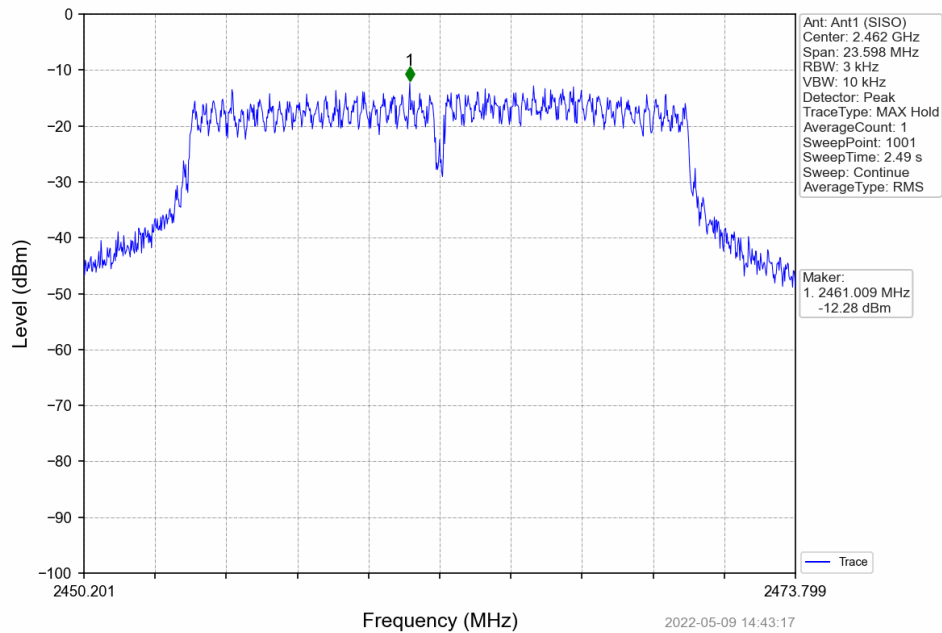
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



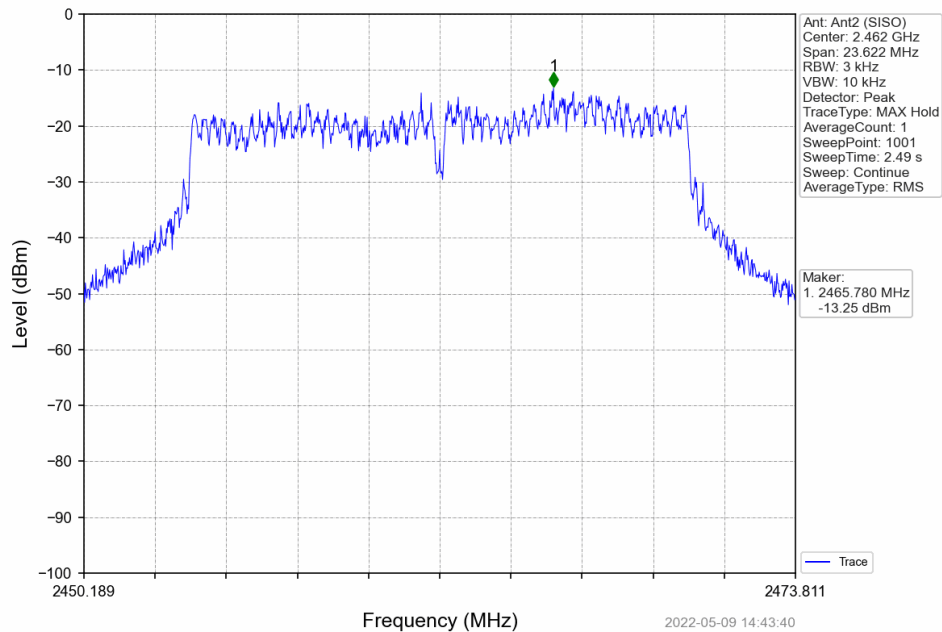
802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



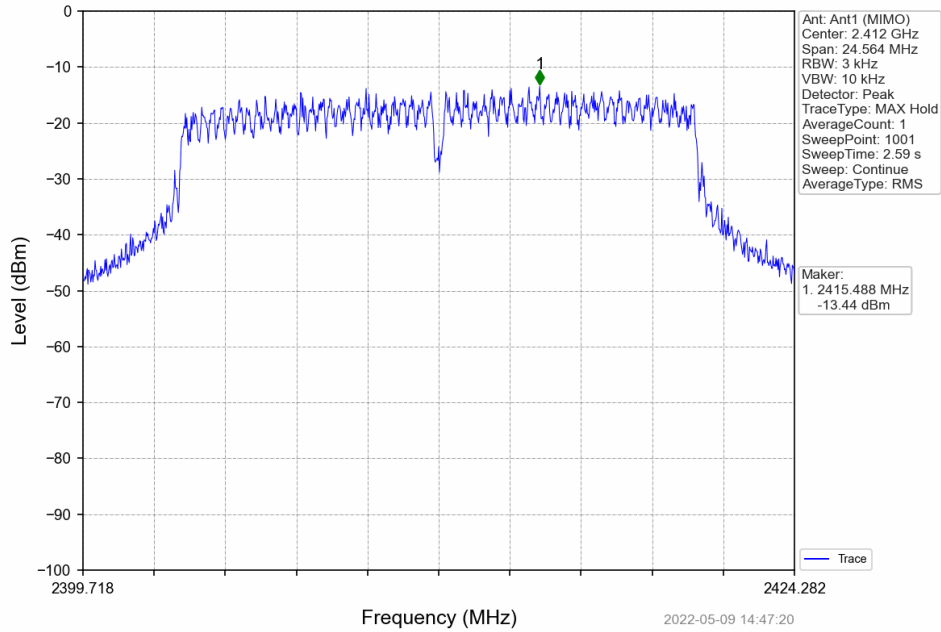
802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV



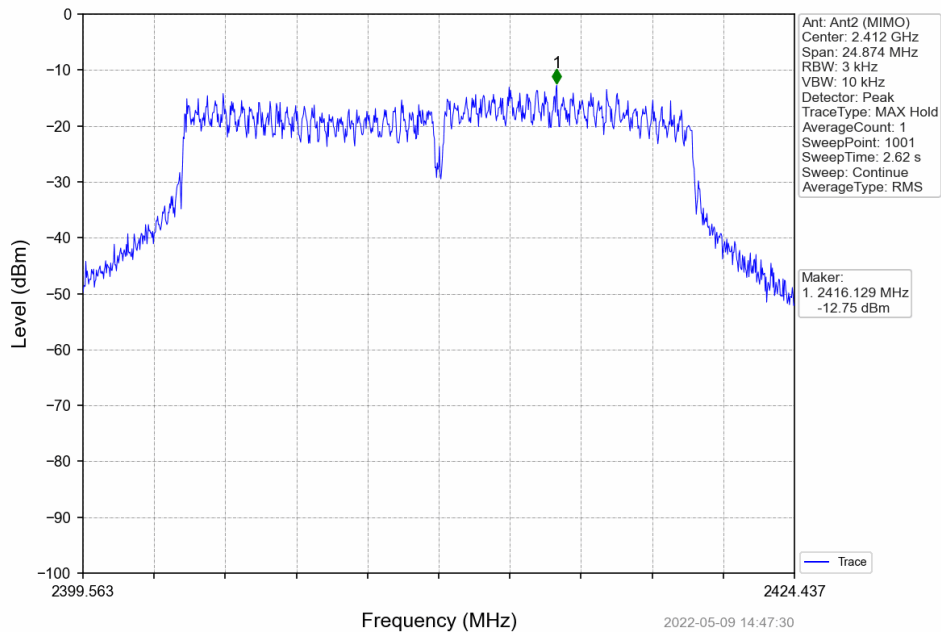
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802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV

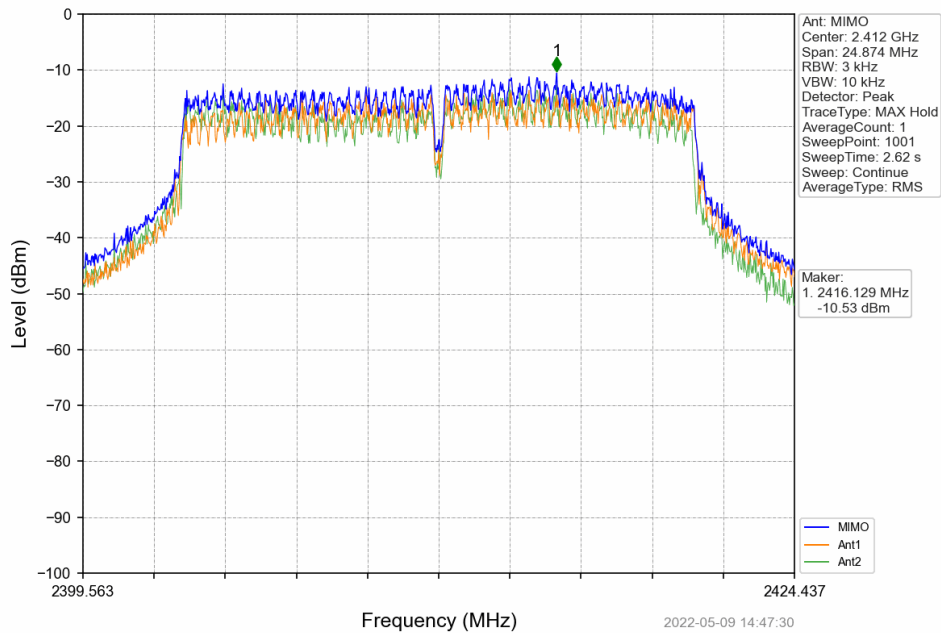


802.11n(HT20)_LCH_2412MHz_Ant2 (MIMO)_NTNV

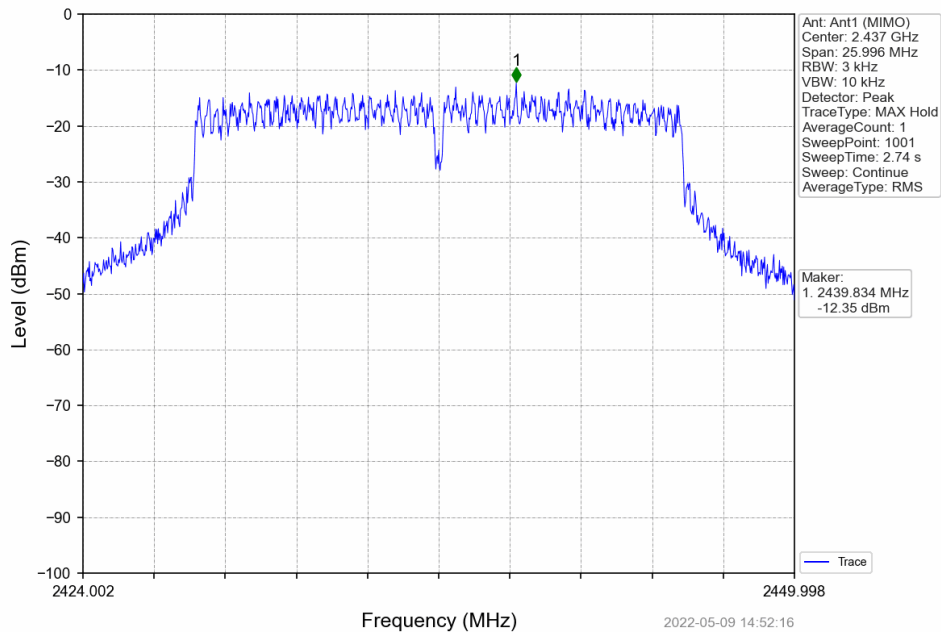


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802.11n(HT20)_LCH_2412MHz_MIMO_NTNV



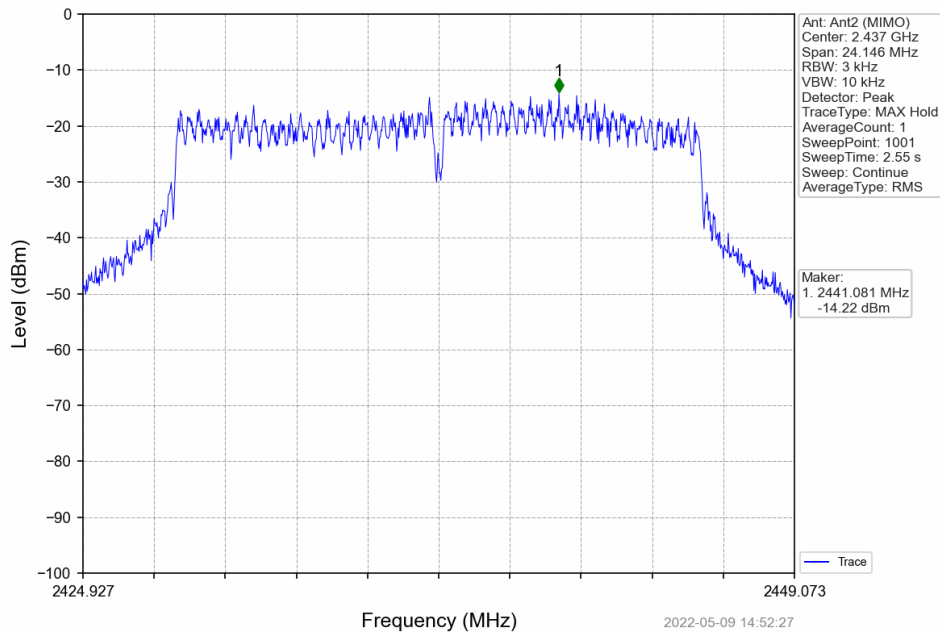
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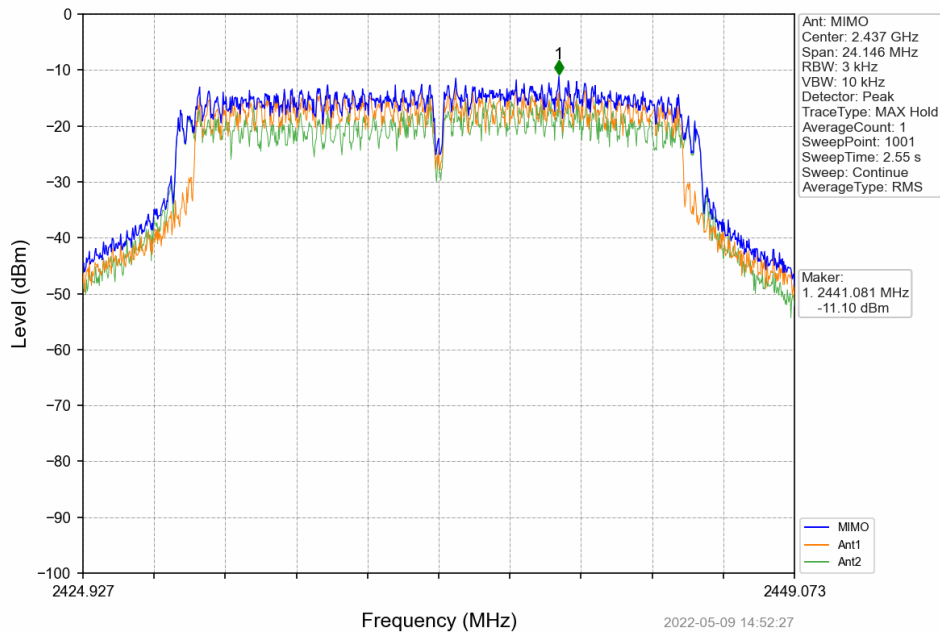
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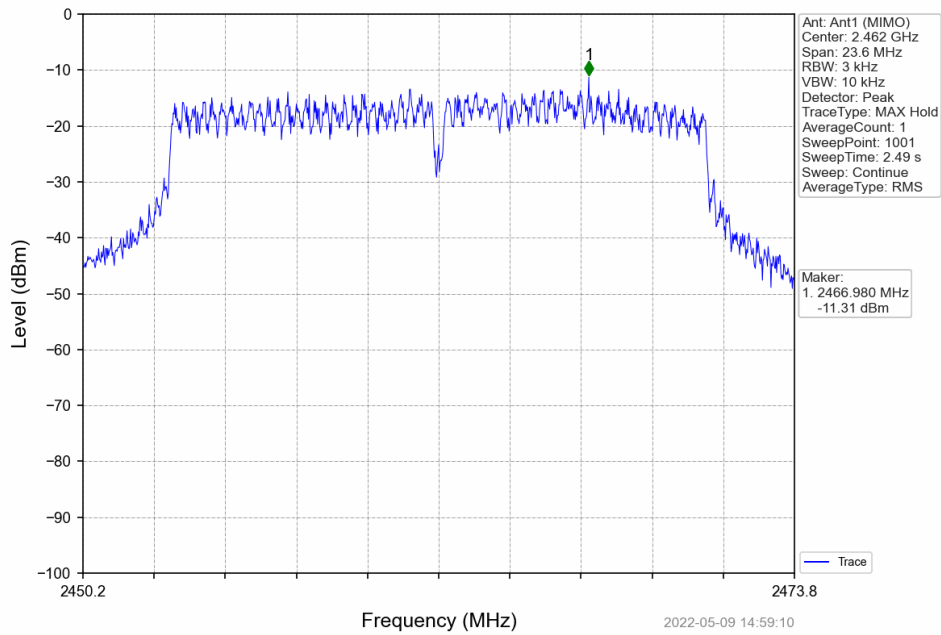
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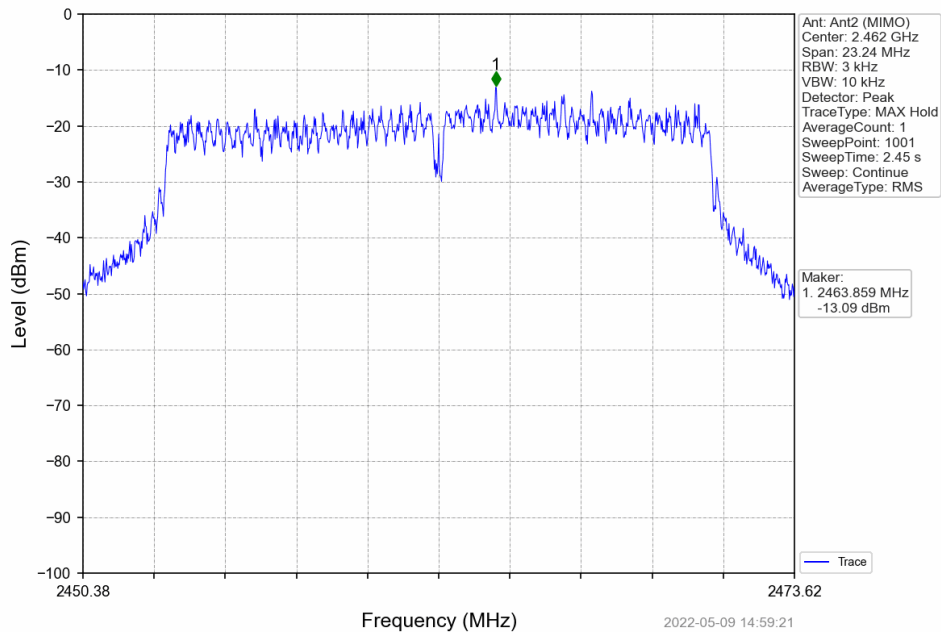
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802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV

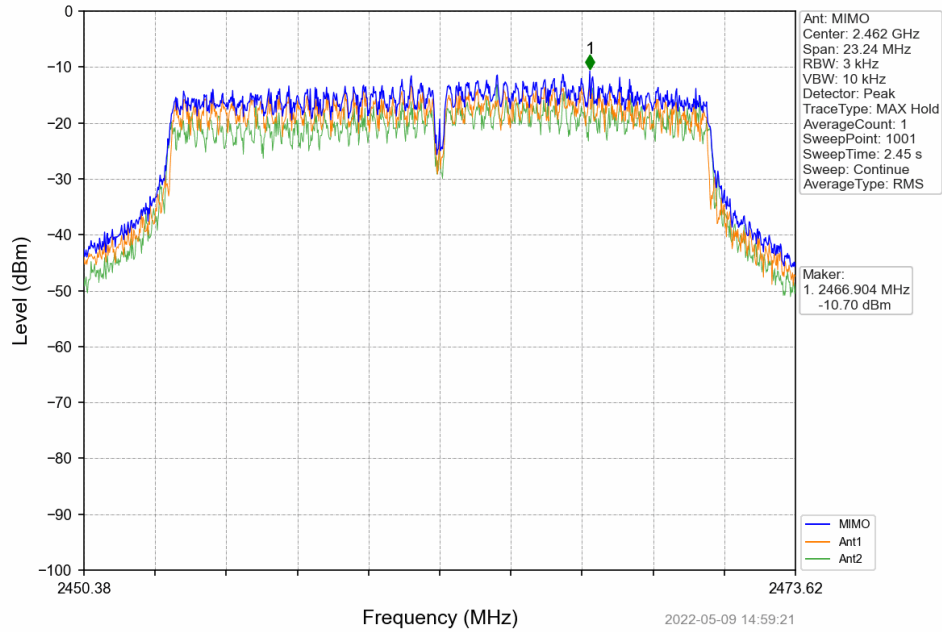


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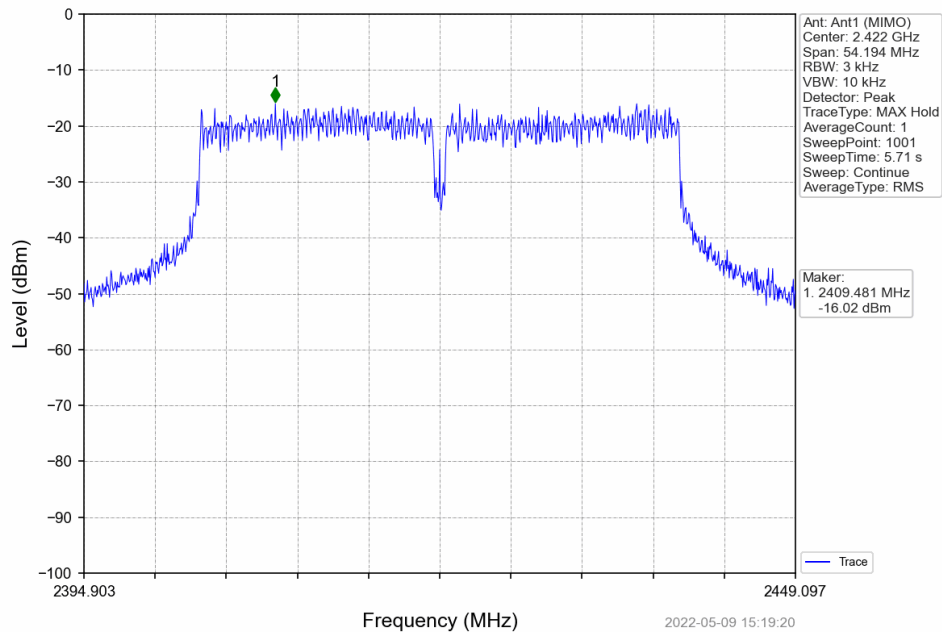


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802.11n(HT20)_HCH_2462MHz_MIMO_NTNV



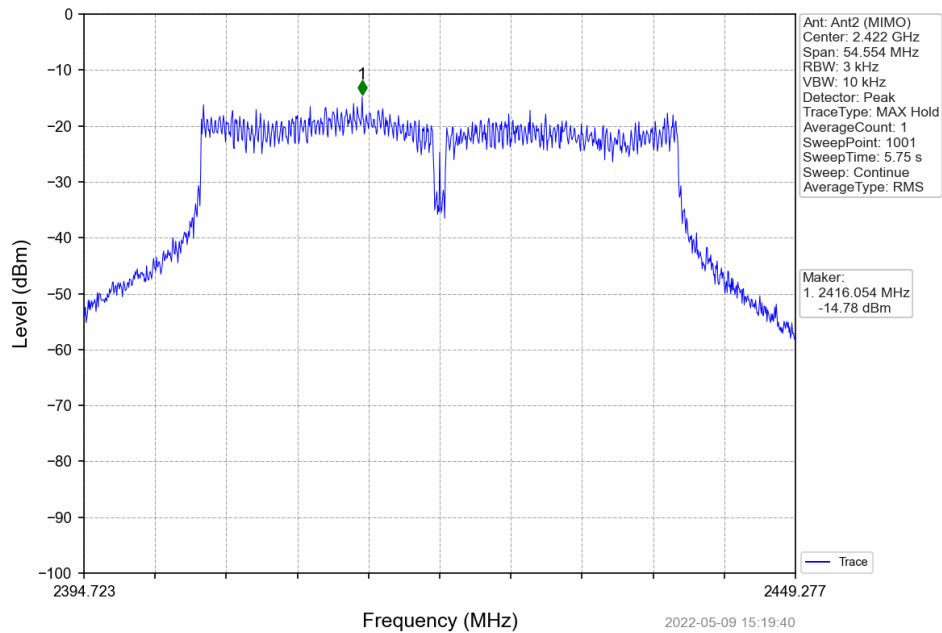
802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



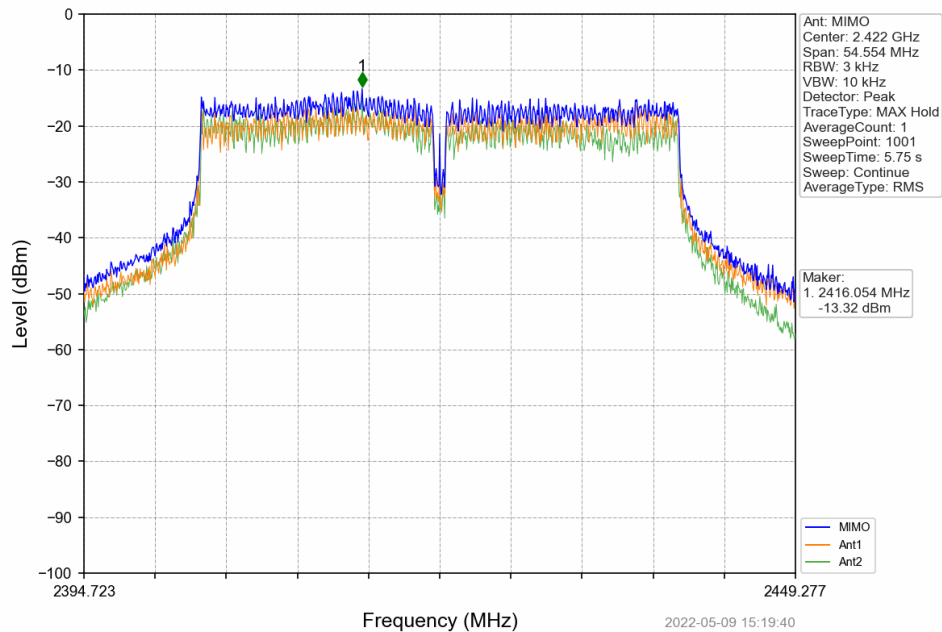
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802.11n(HT40)_LCH_2422MHz_Ant2 (MIMO)_NTNV



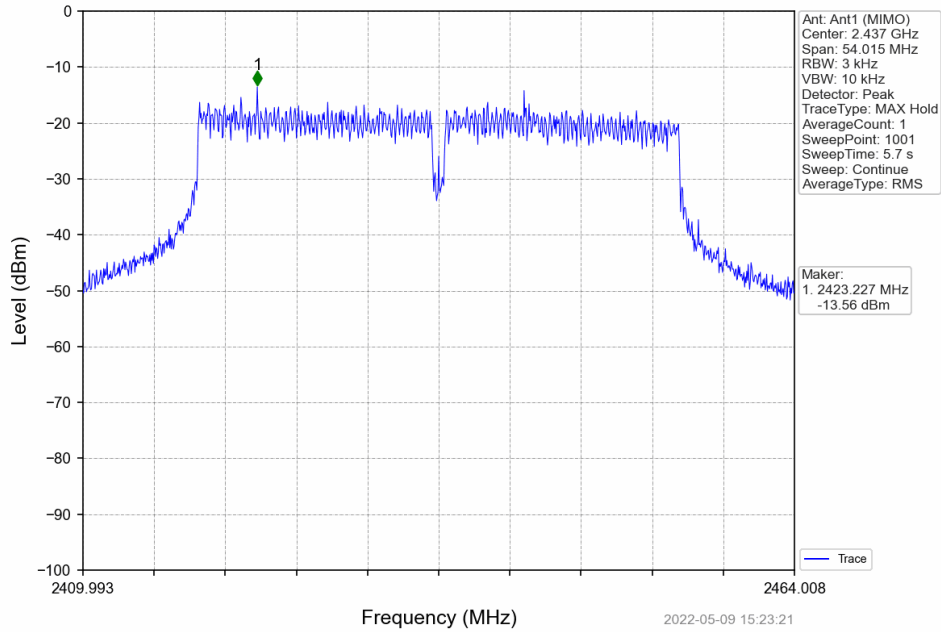
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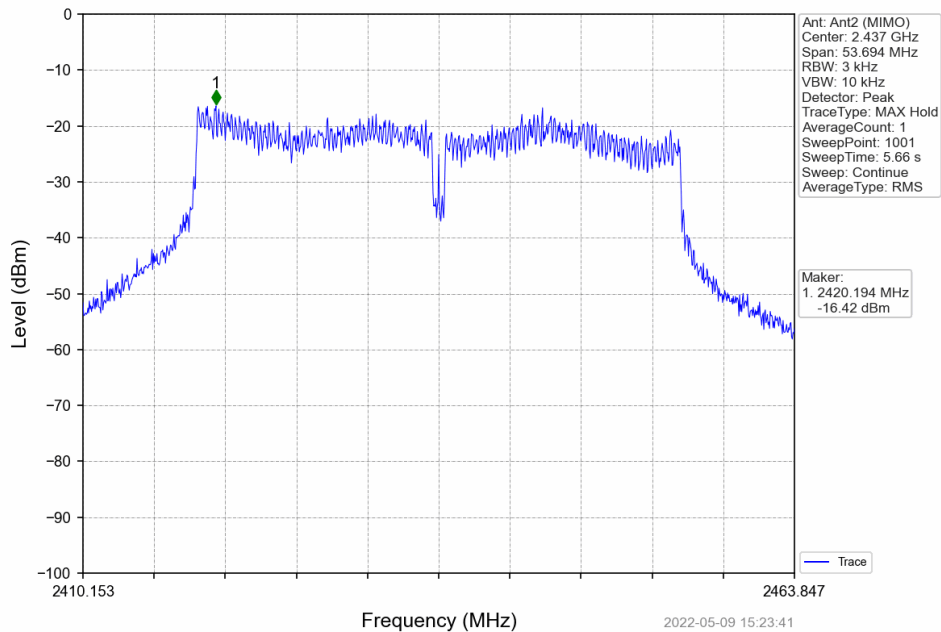
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802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



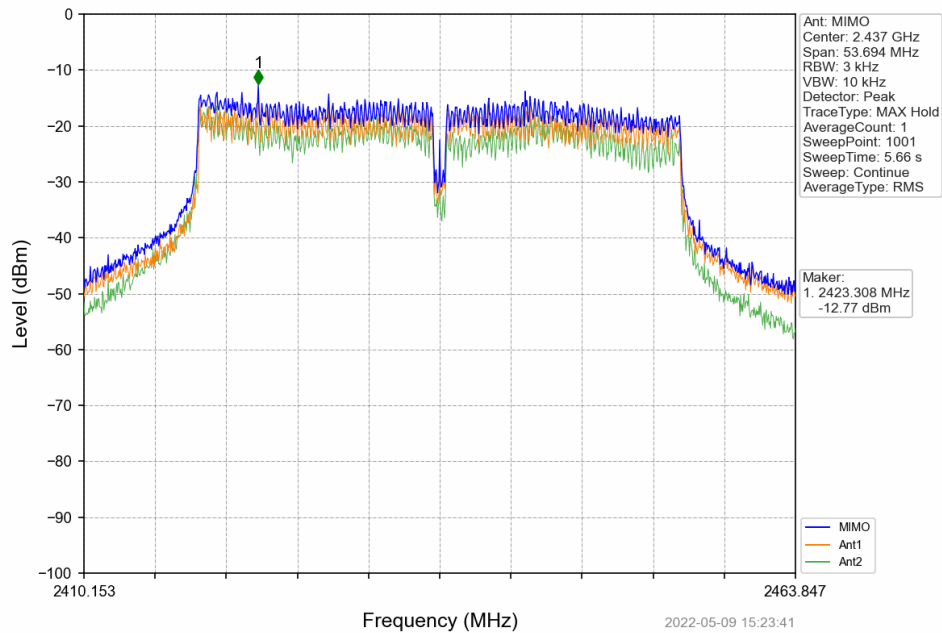
802.11n(HT40)_MCH_2437MHz_Ant2 (MIMO)_NTNV



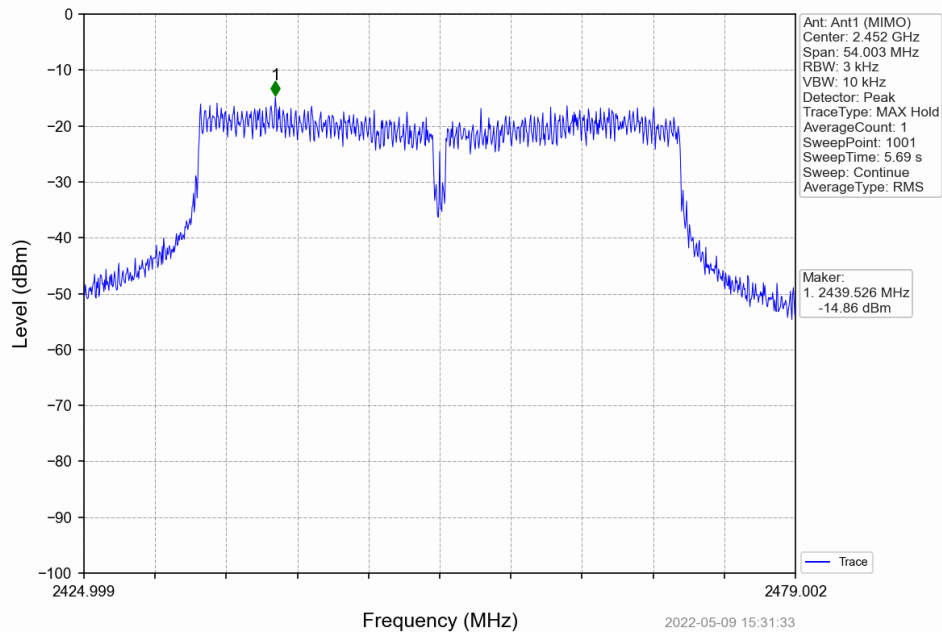
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802.11n(HT40)_MCH_2437MHz_MIMO_NTNV



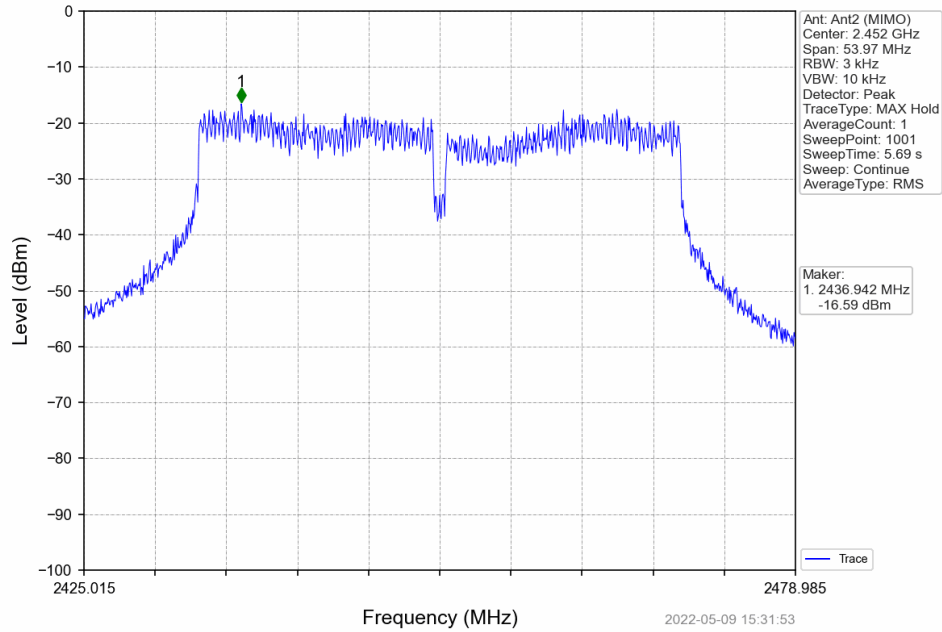
802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



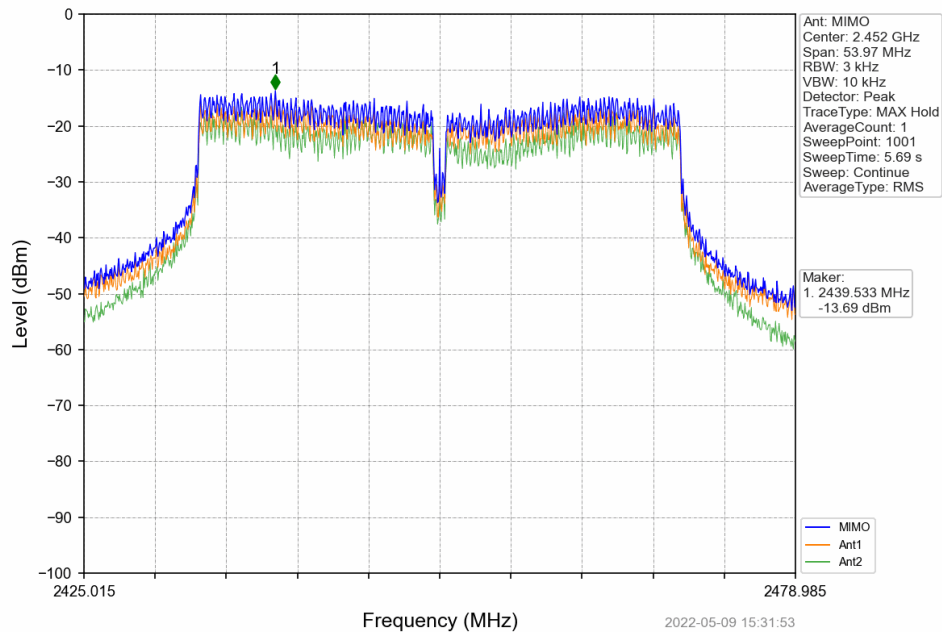
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802.11n(HT40)_HCH_2452MHz_Ant2 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_MIMO_NTNV



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5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Ref

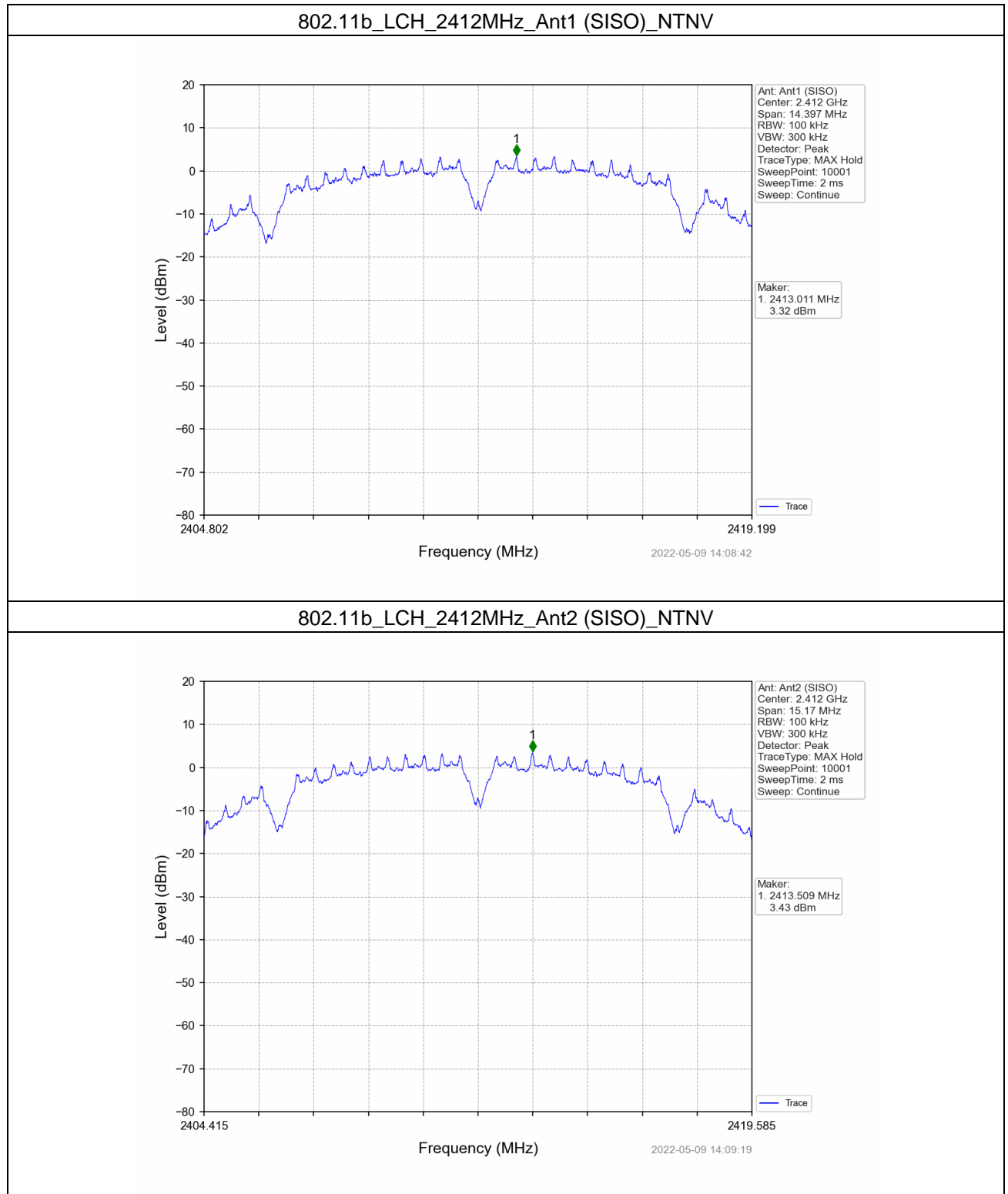
5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	3.32
			2	3.43
		2437	1	3.31
			2	1.92
		2462	1	4.36
			2	2.90
802.11g	SISO	2412	1	1.79
			2	1.79
		2437	1	1.50
			2	0.22
		2462	1	2.28
			2	1.68
802.11n (HT20)	MIMO	2412	1	1.73
			2	2.28
		2437	1	1.57
			2	0.99
		2462	1	2.30
			2	1.56
802.11n (HT40)	MIMO	2422	1	-0.79
			2	-0.98
		2437	1	-0.71
			2	-1.32
		2452	1	-0.61
			2	-2.10

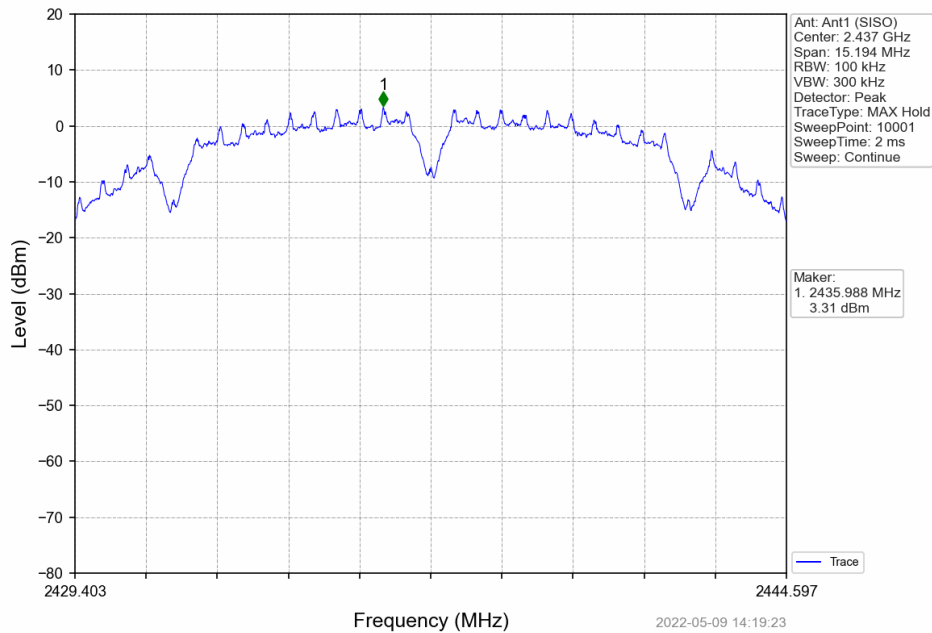
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

Note2: RBW = 1MHz was used during the pre-test. The final test will be performed at RBW=100kHz while the margin is less than 3dB.

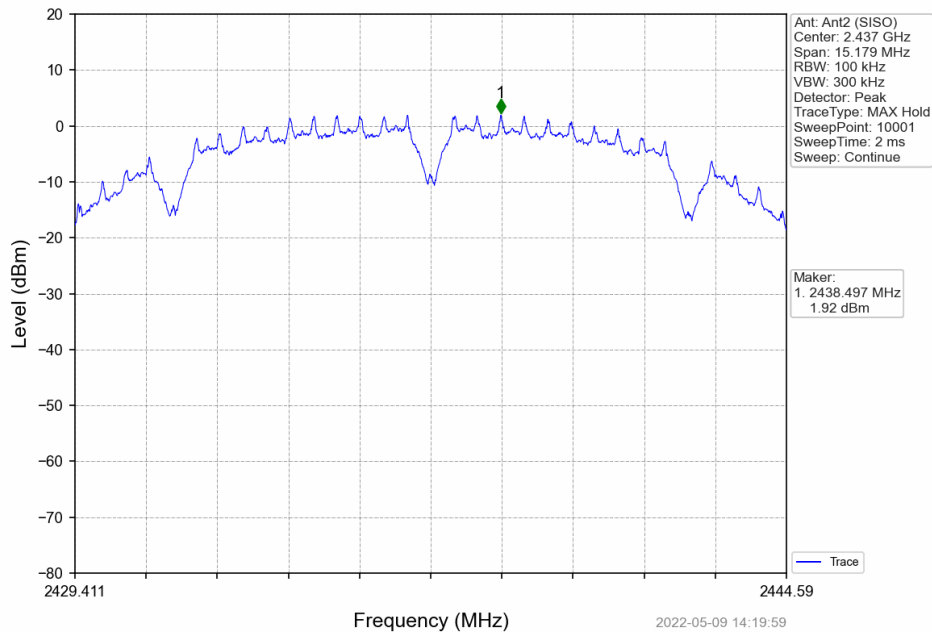
5.1.2 Test Graph



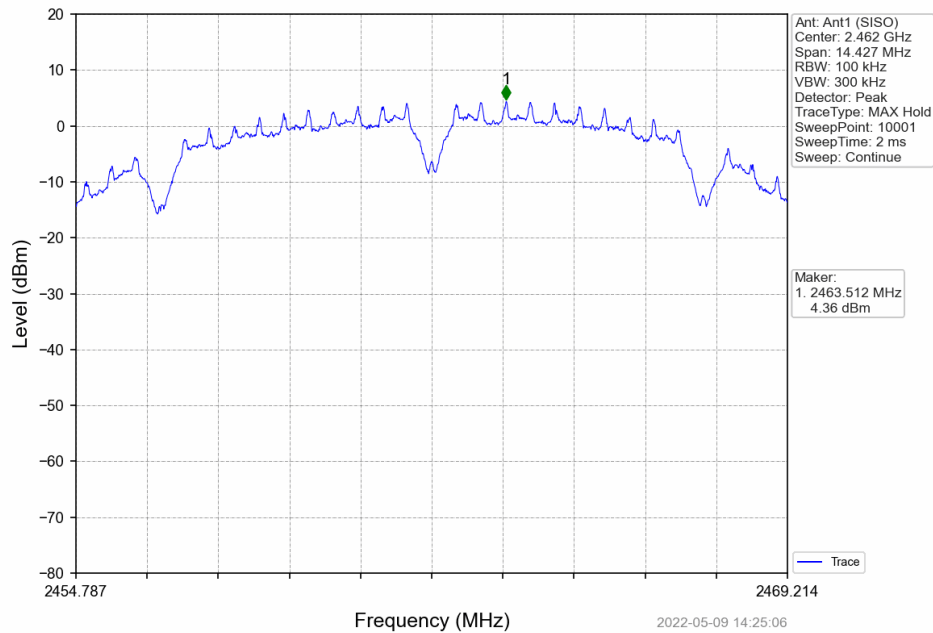
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



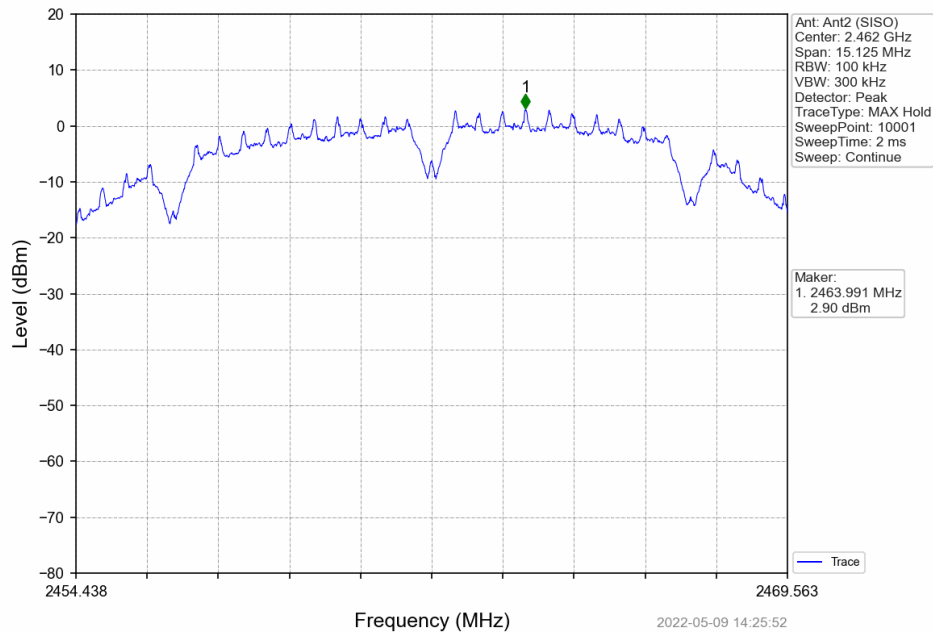
802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV



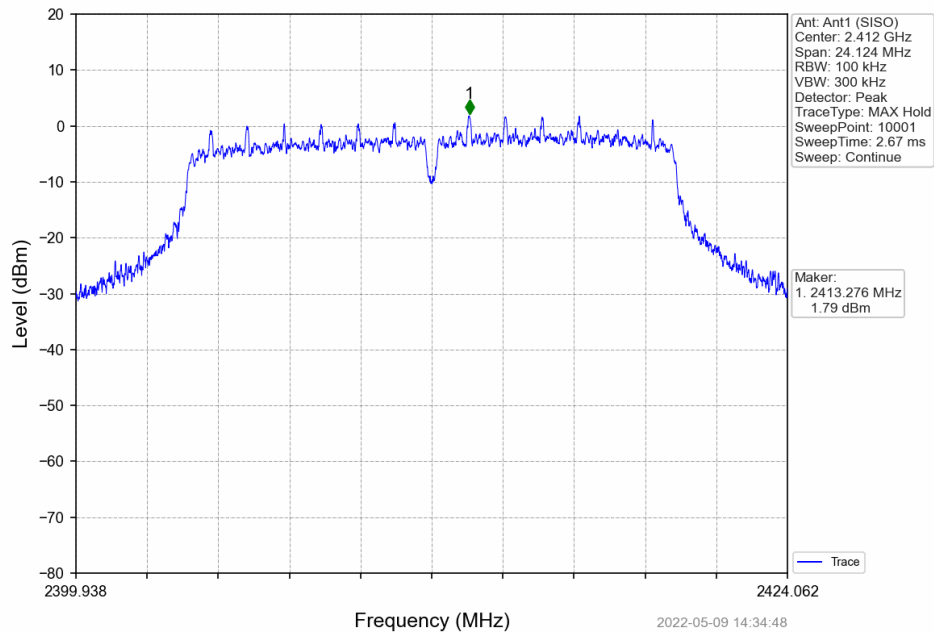
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



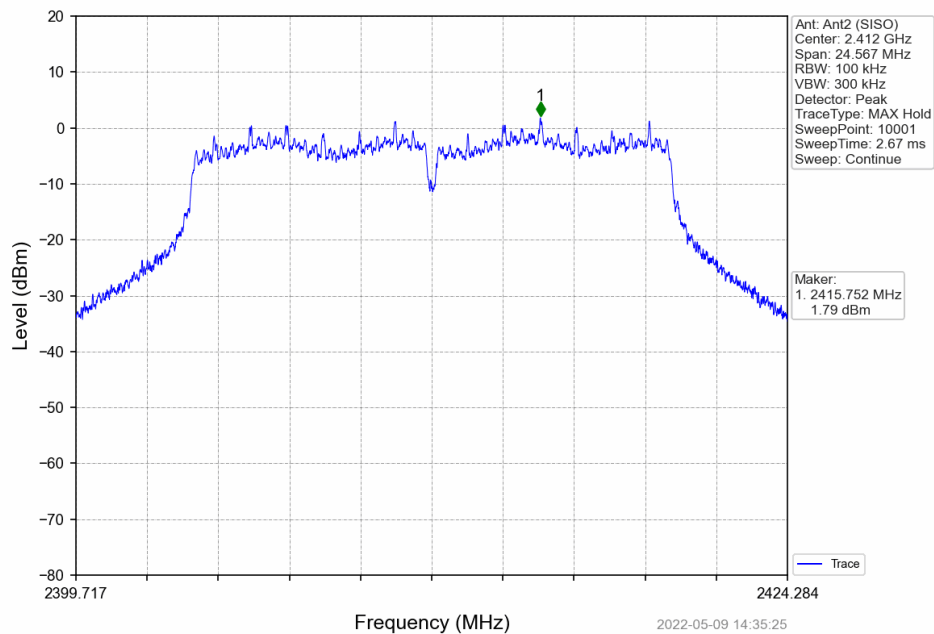
802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV



802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV

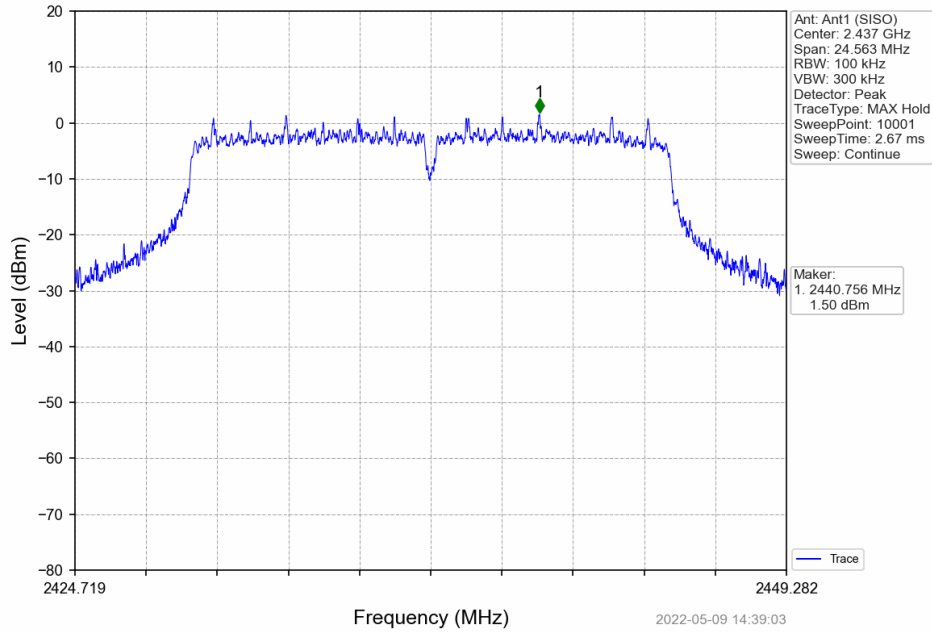


802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV

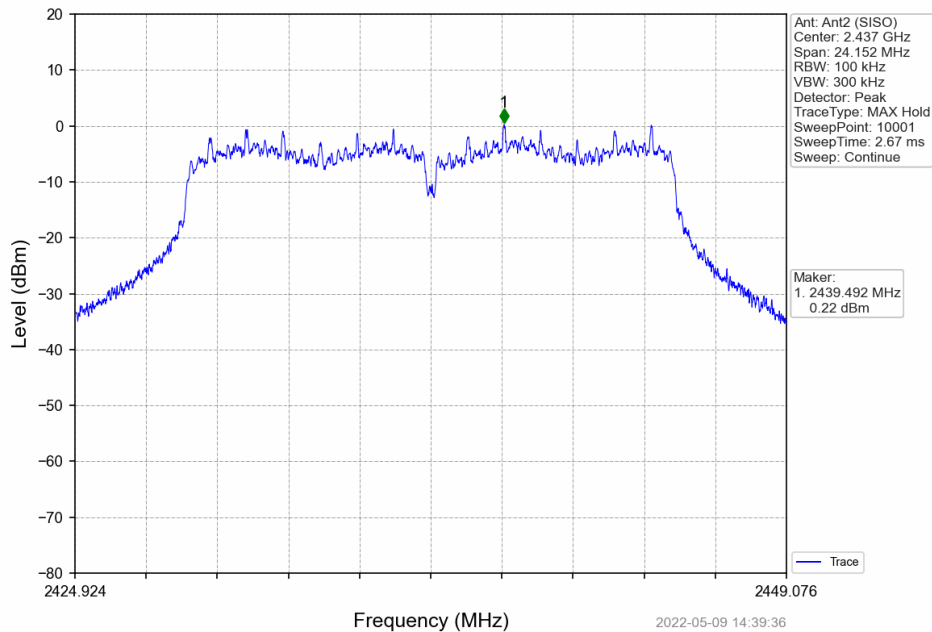


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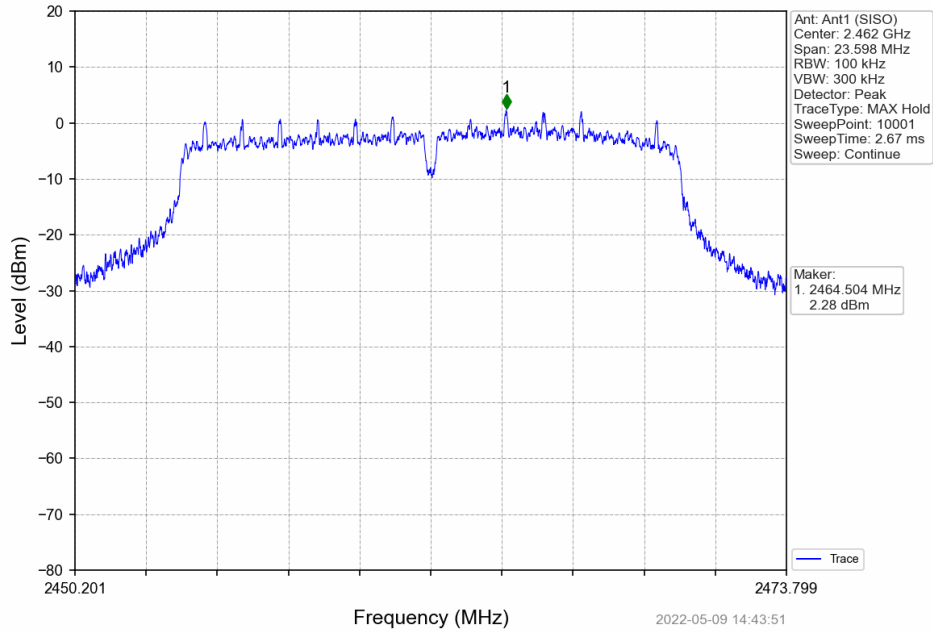
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



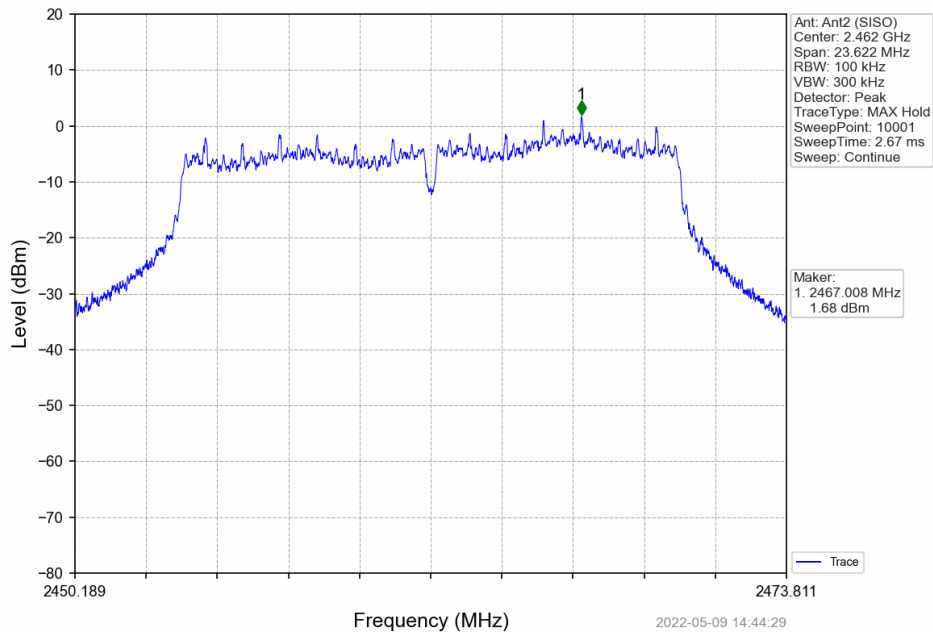
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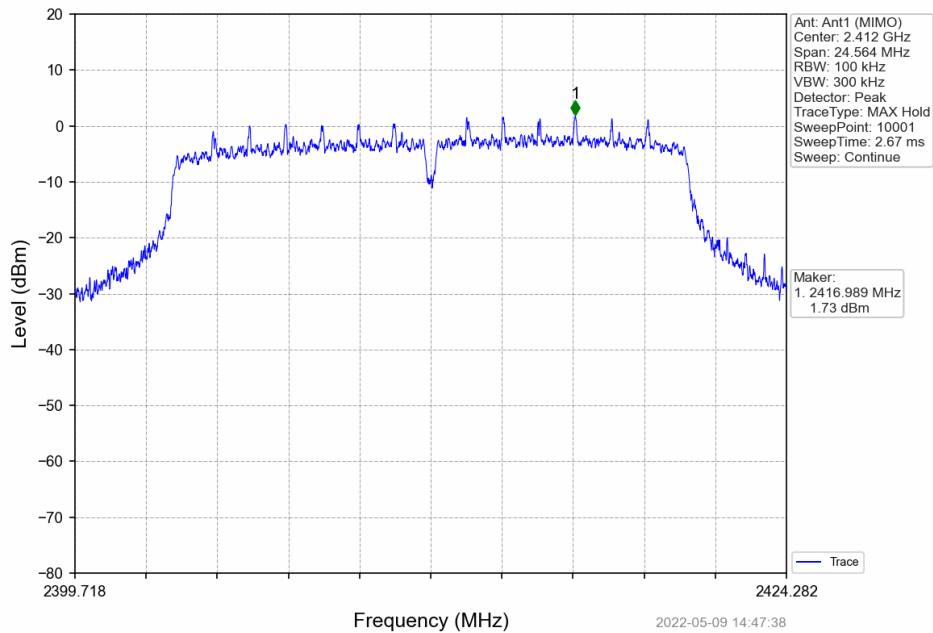
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



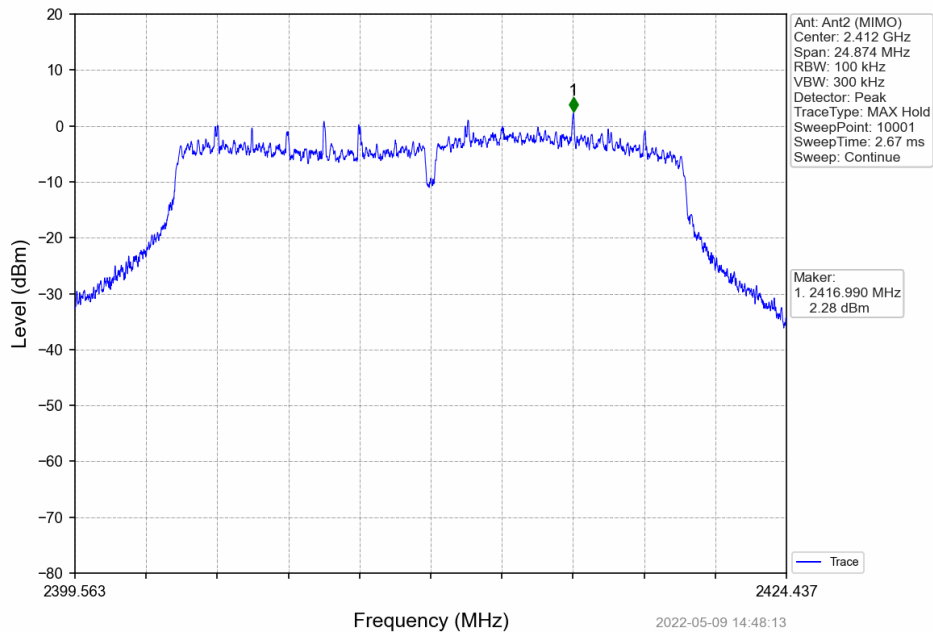
802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV



802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV

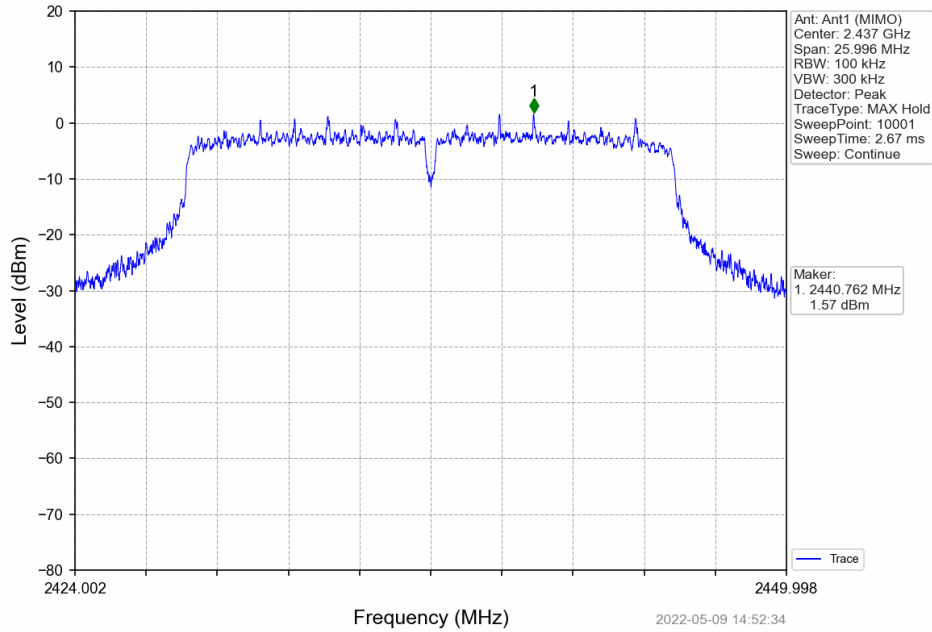


802.11n(HT20)_LCH_2412MHz_Ant2 (MIMO)_NTNV

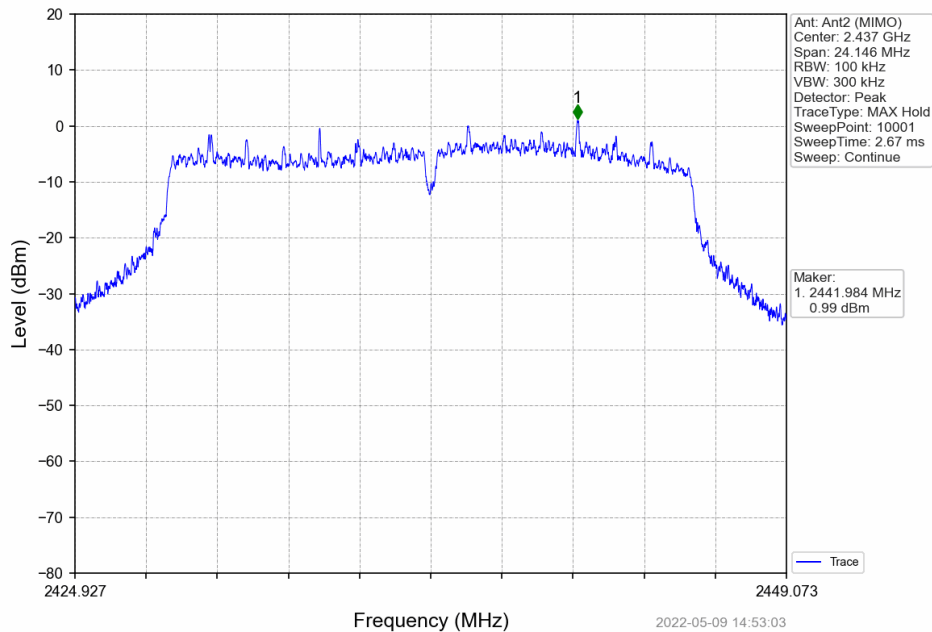


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802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV

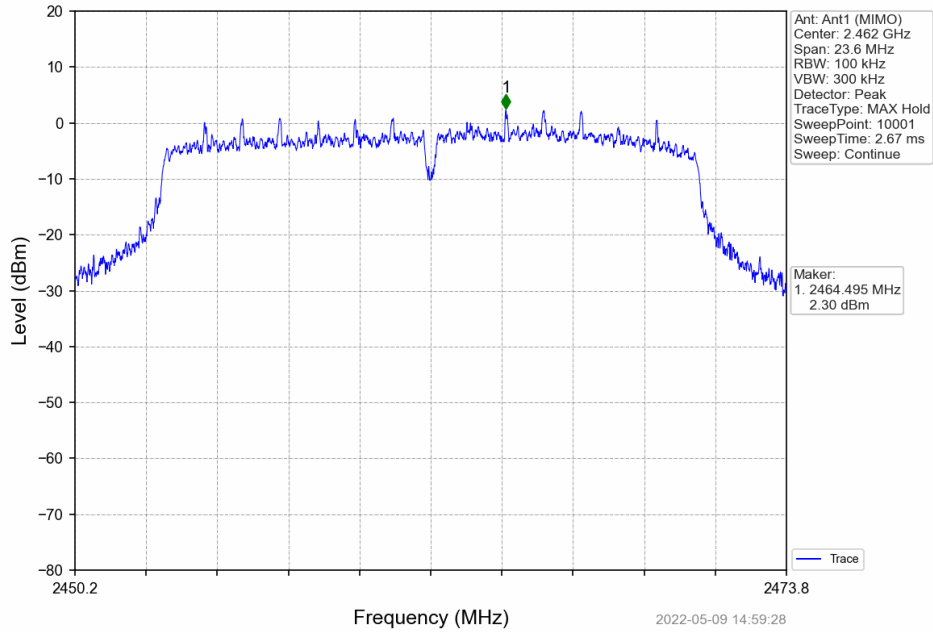


802.11n(HT20)_MCH_2437MHz_Ant2 (MIMO)_NTNV

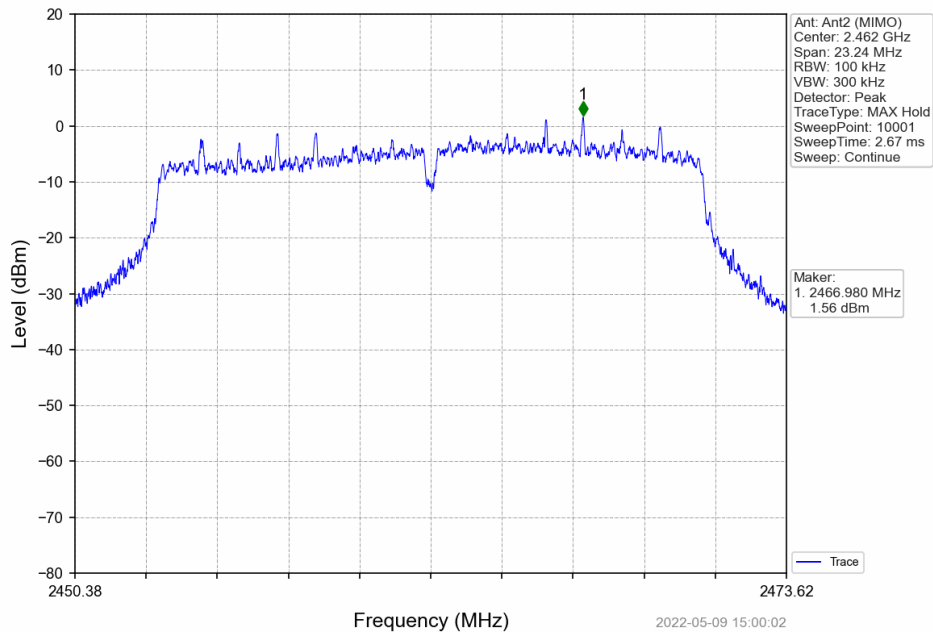


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802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV

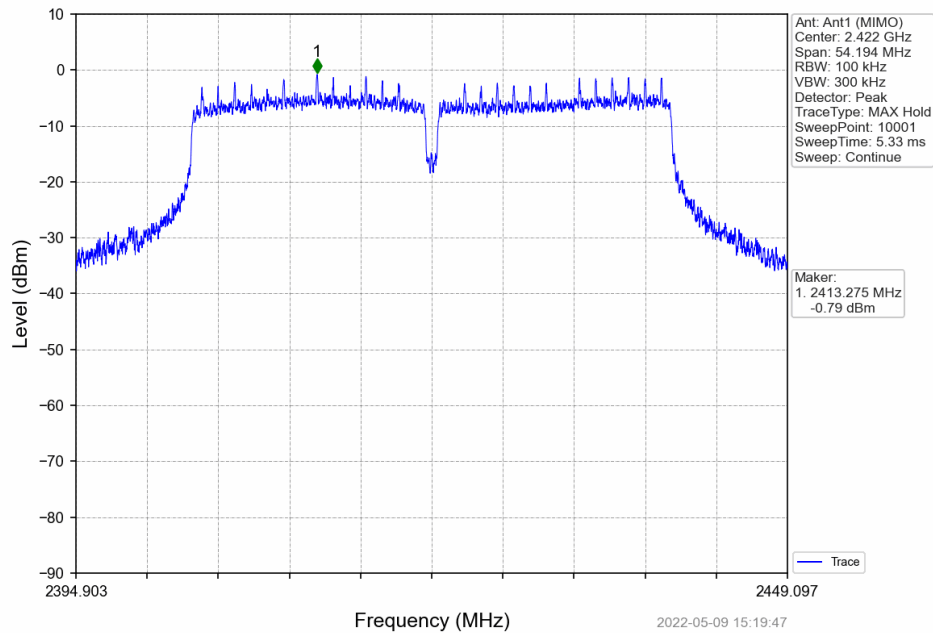


802.11n(HT20)_HCH_2462MHz_Ant2 (MIMO)_NTNV

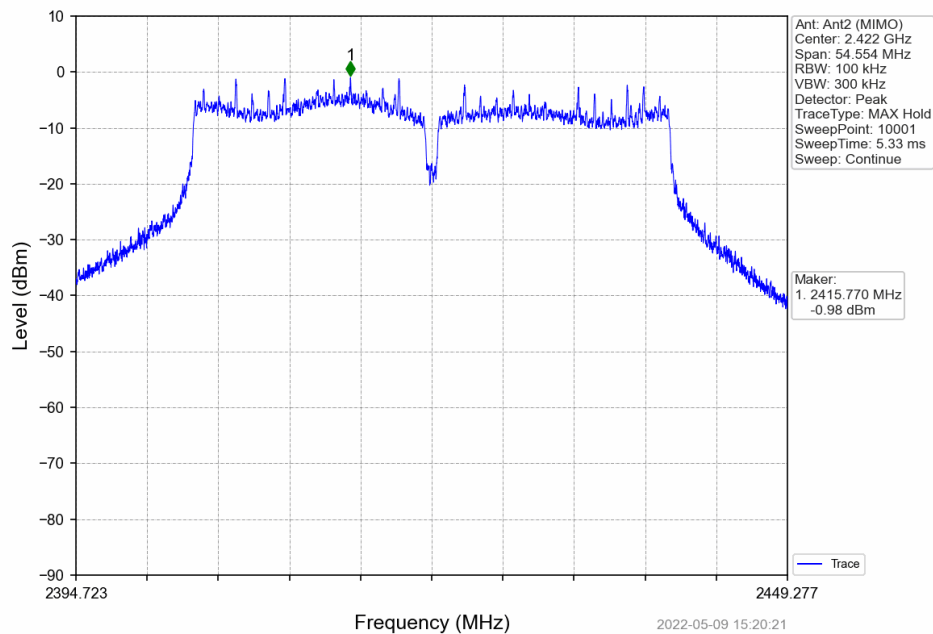


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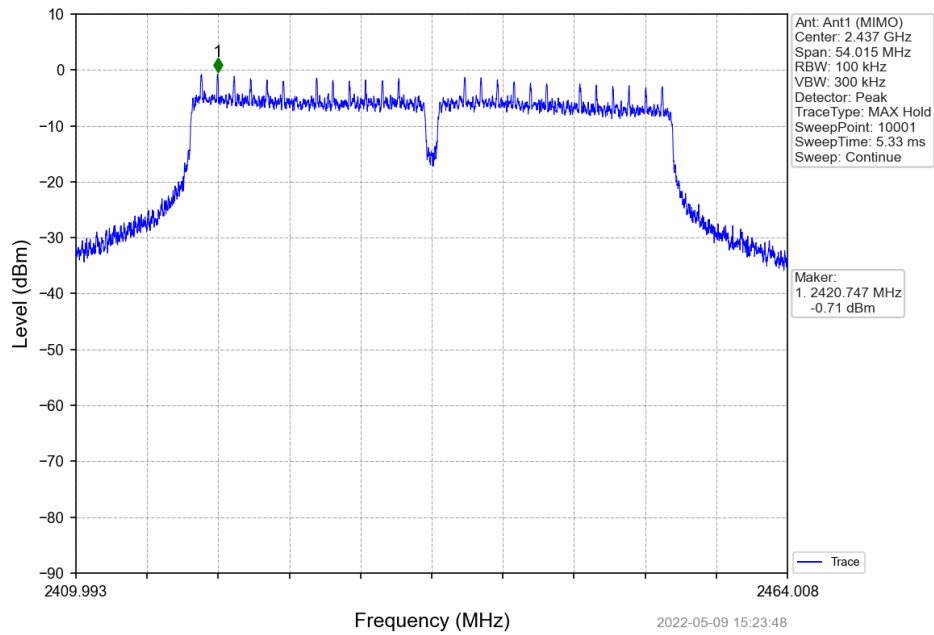
802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



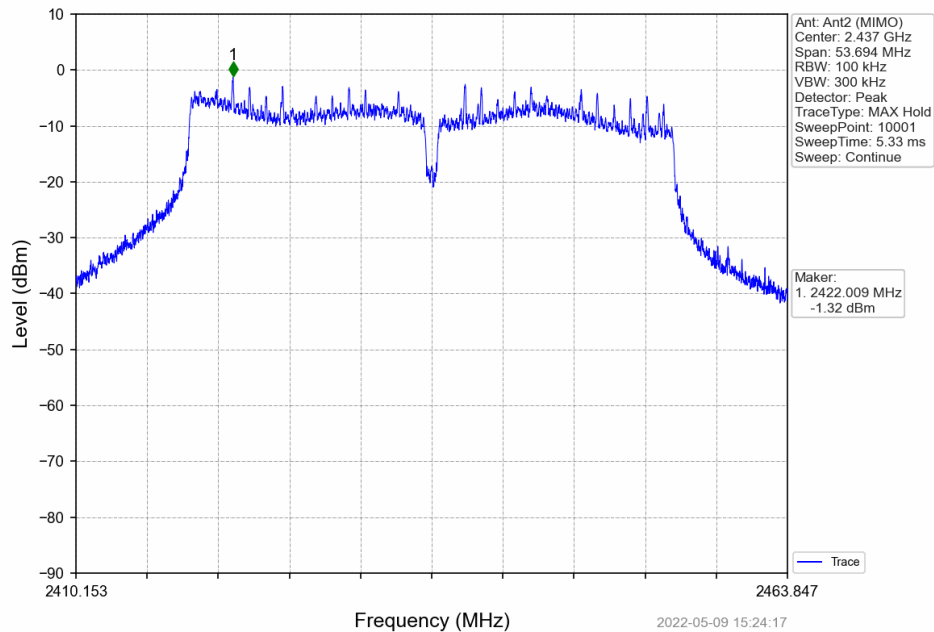
802.11n(HT40)_LCH_2422MHz_Ant2 (MIMO)_NTNV



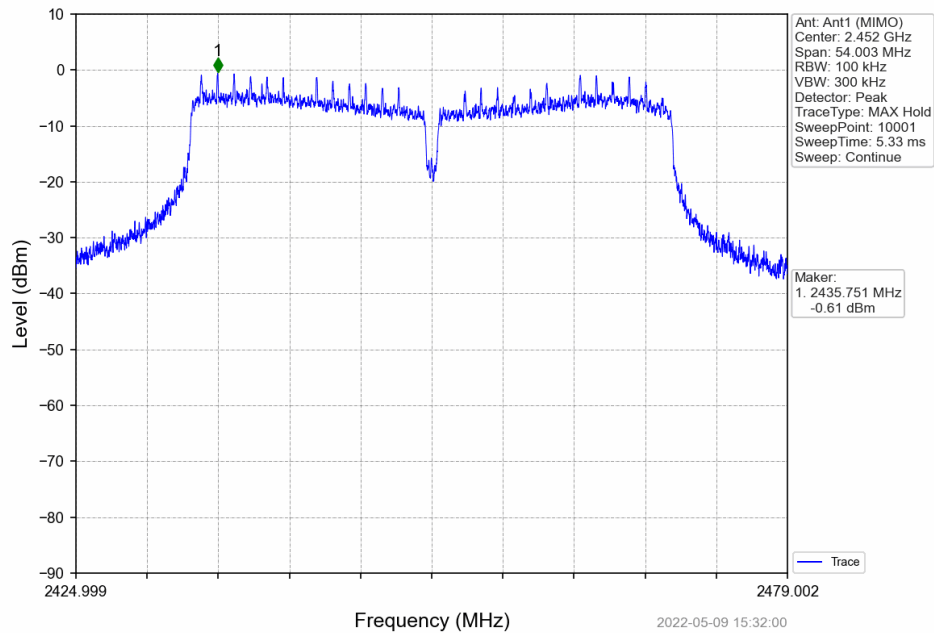
802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



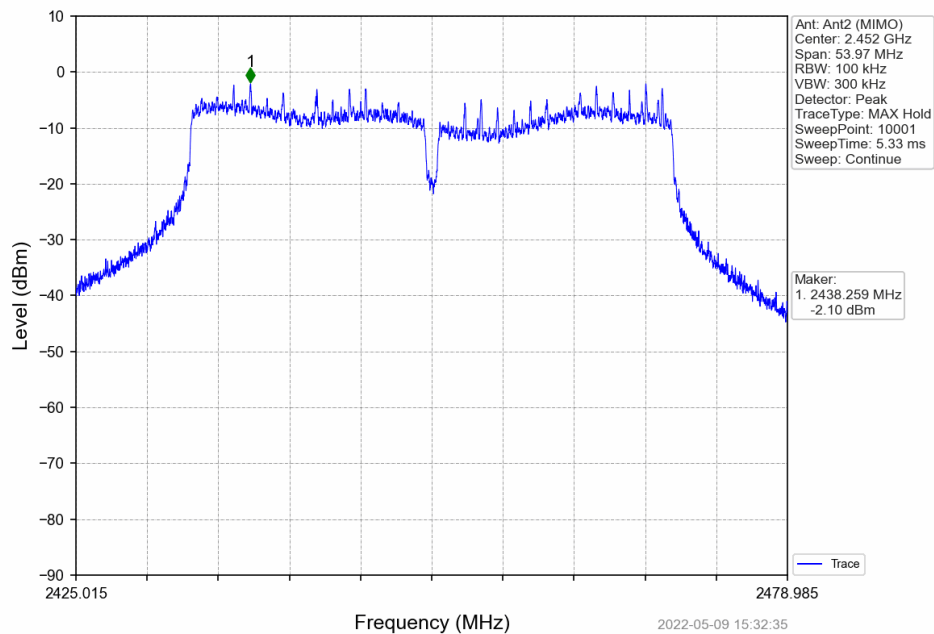
802.11n(HT40)_MCH_2437MHz_Ant2 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant2 (MIMO)_NTNV



5.2 CSE

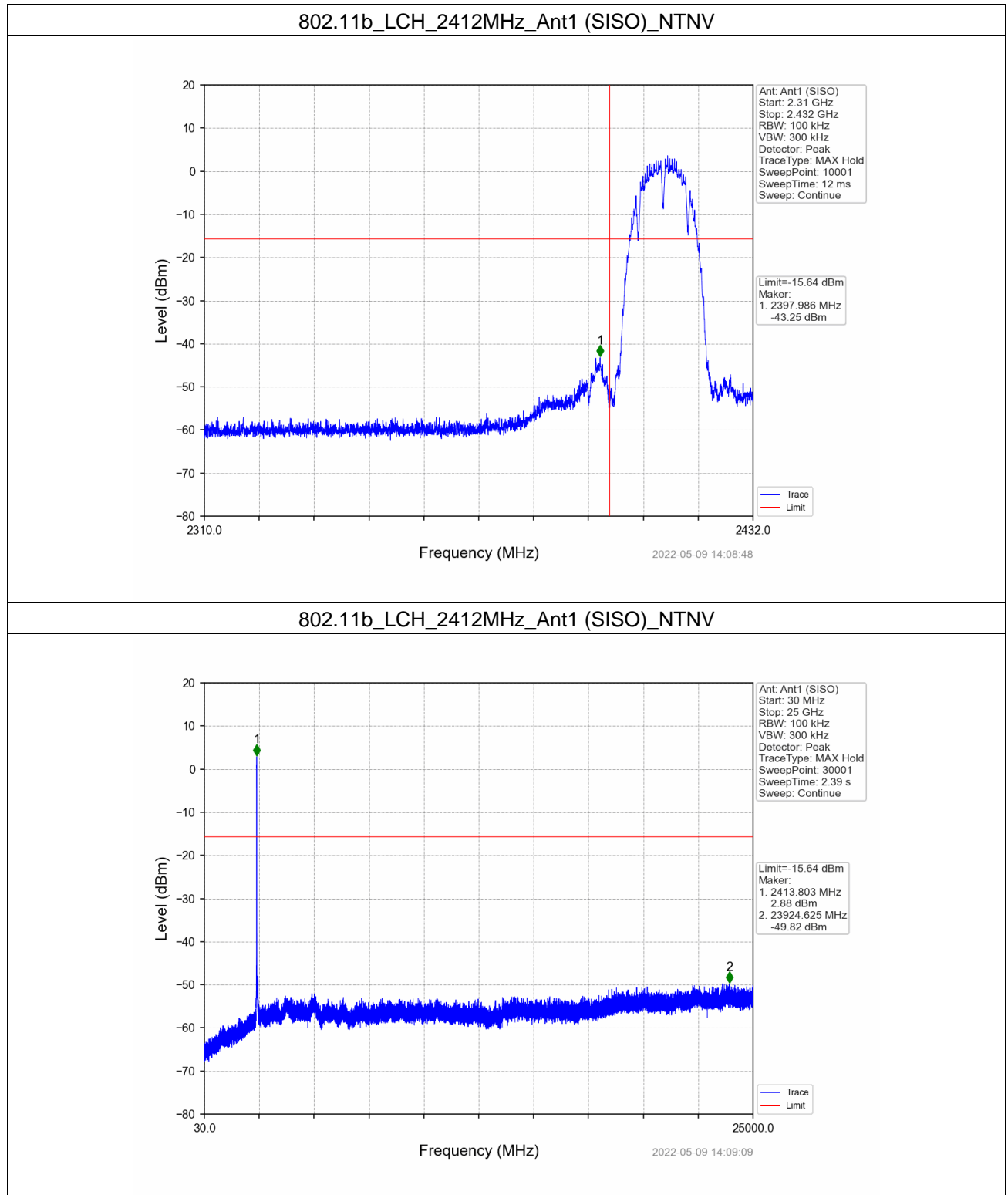
5.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	4.36	-15.64	Pass
			2	3.43	-16.57	Pass
		2437	1	4.36	-15.64	Pass
			2	3.43	-16.57	Pass
		2462	1	4.36	-15.64	Pass
			2	3.43	-16.57	Pass
802.11g	SISO	2412	1	2.28	-17.72	Pass
			2	1.79	-18.21	Pass
		2437	1	2.28	-17.72	Pass
			2	1.79	-18.21	Pass
		2462	1	2.28	-17.72	Pass
			2	1.79	-18.21	Pass
802.11n (HT20)	MIMO	2412	1	2.30	-17.70	Pass
			2	2.28	-17.72	Pass
		2437	1	2.30	-17.70	Pass
			2	2.28	-17.72	Pass
		2462	1	2.30	-17.70	Pass
			2	2.28	-17.72	Pass
802.11n (HT40)	MIMO	2422	1	-0.61	-20.61	Pass
			2	-0.98	-20.98	Pass
		2437	1	-0.61	-20.61	Pass
			2	-0.98	-20.98	Pass
		2452	1	-0.61	-20.61	Pass
			2	-0.98	-20.98	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.

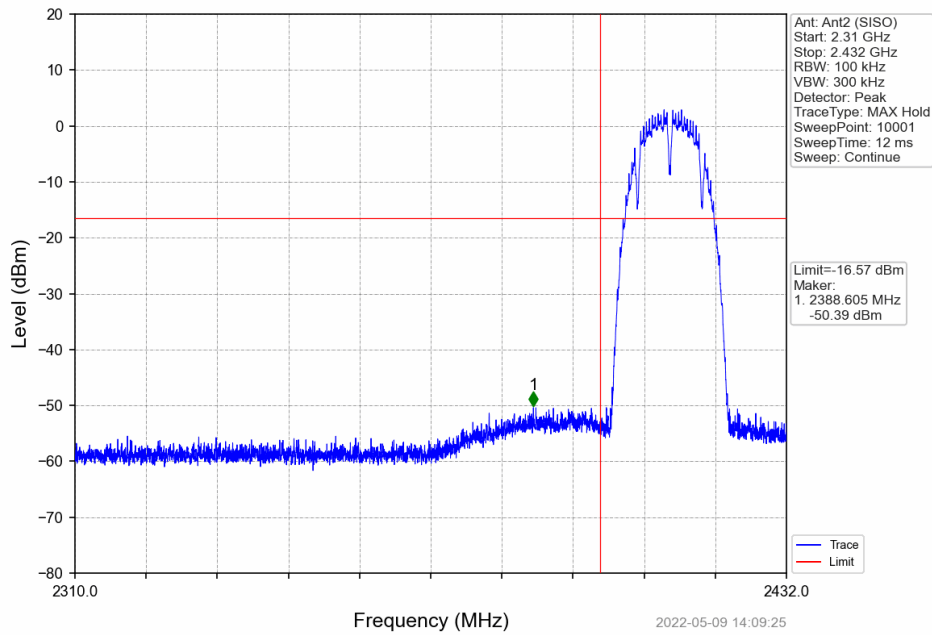
Note2: RBW = 1MHz was used during the pre-test. The final test will be performed at RBW=100kHz while the margin is less than 3dB.

5.2.2 Test Graph

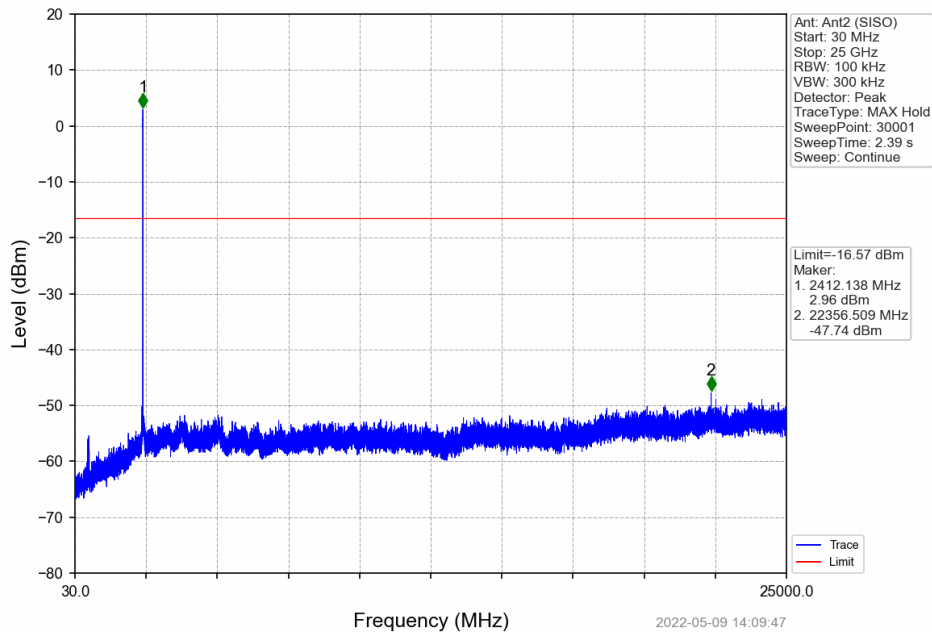


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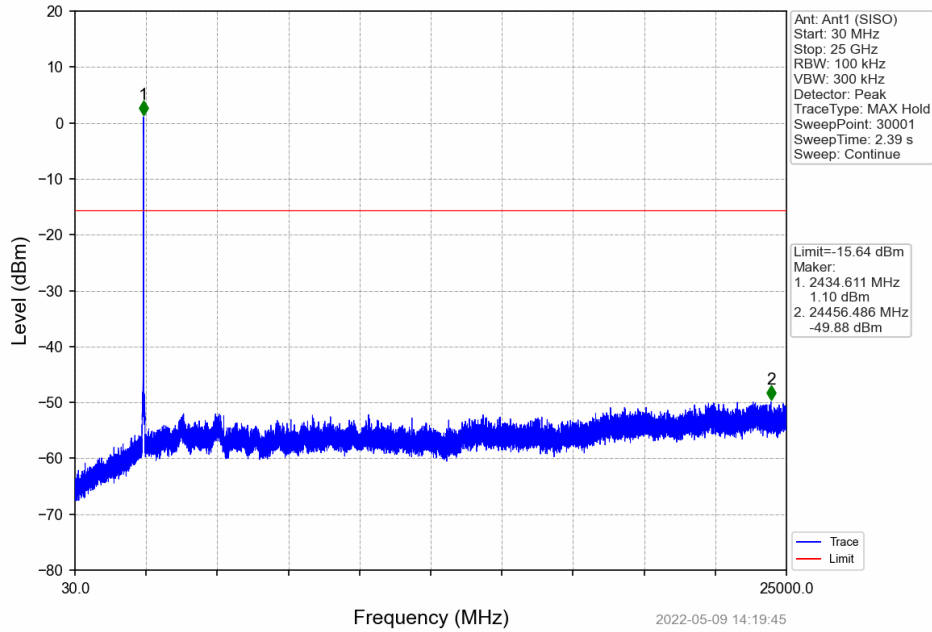
802.11b_LCH_2412MHz_Ant2 (SISO)_NTNV



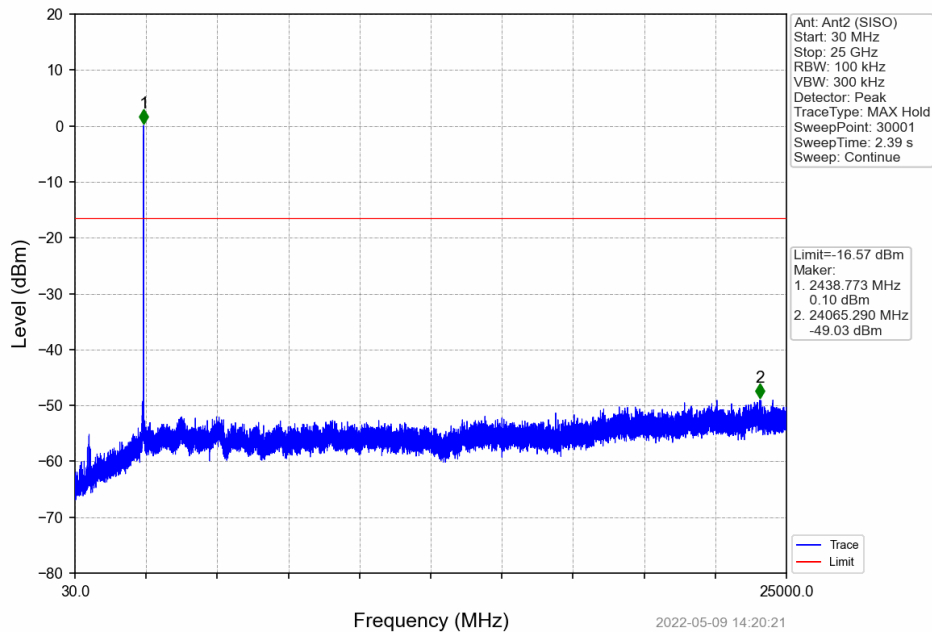
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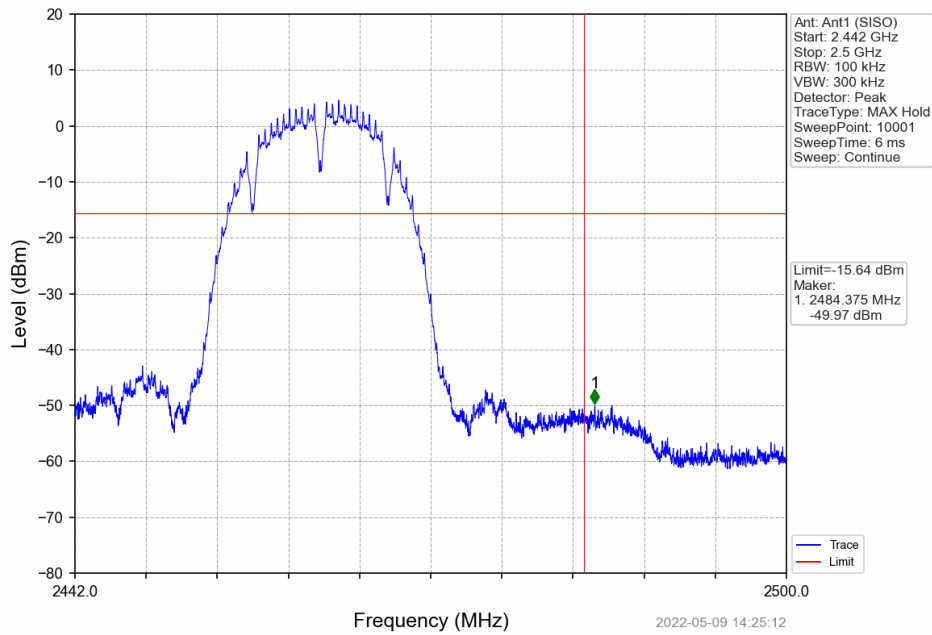
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



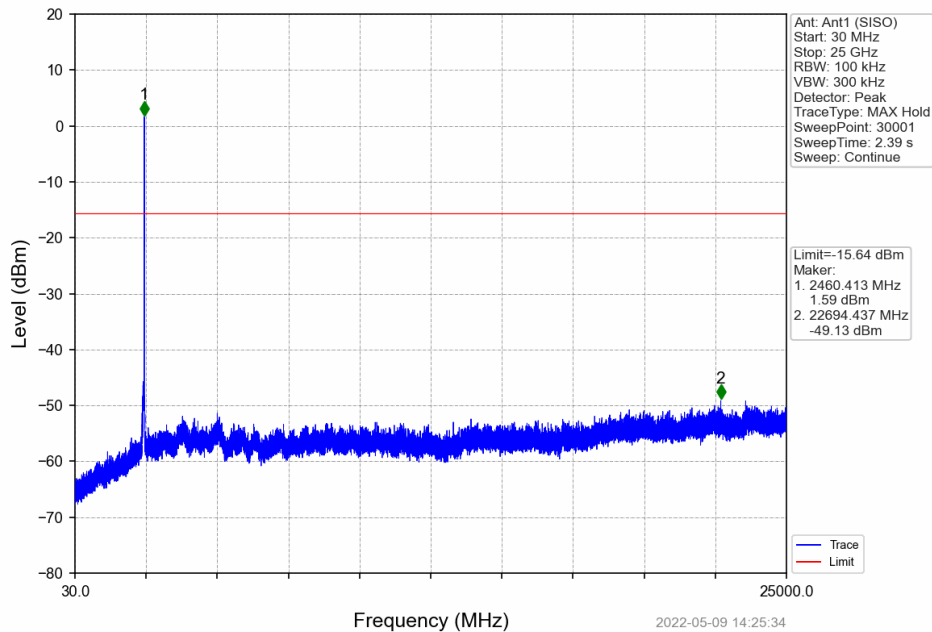
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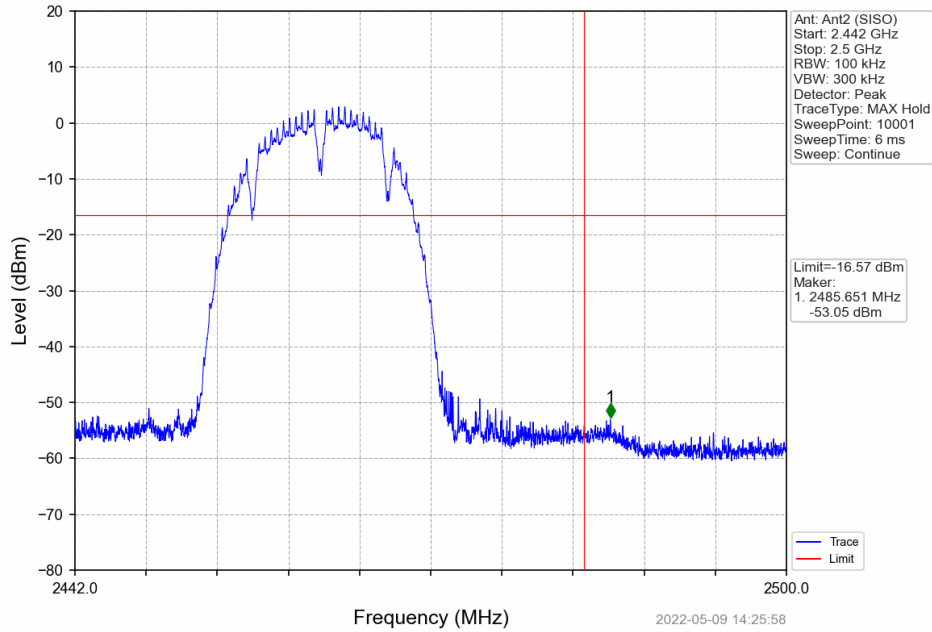
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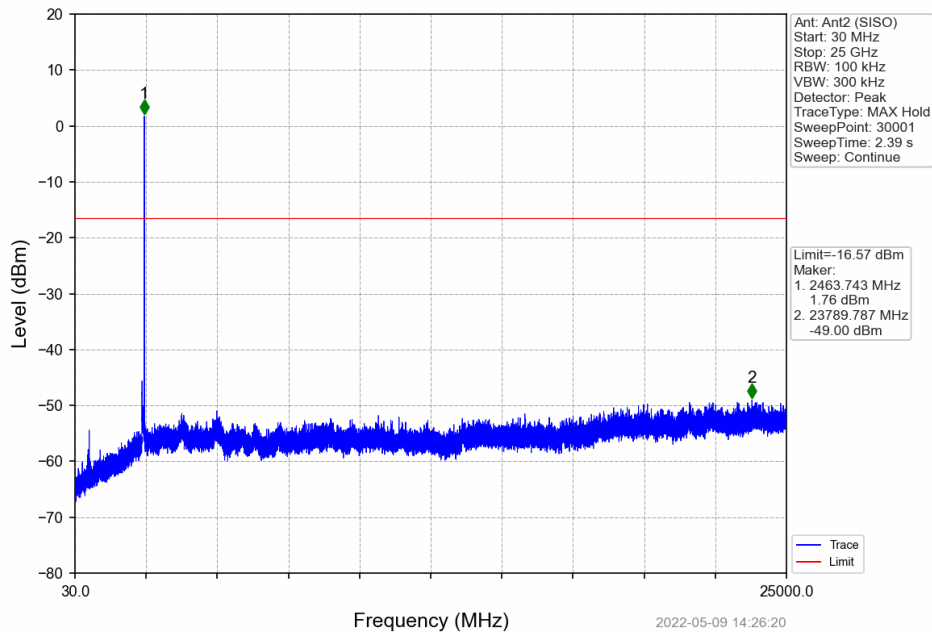
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV



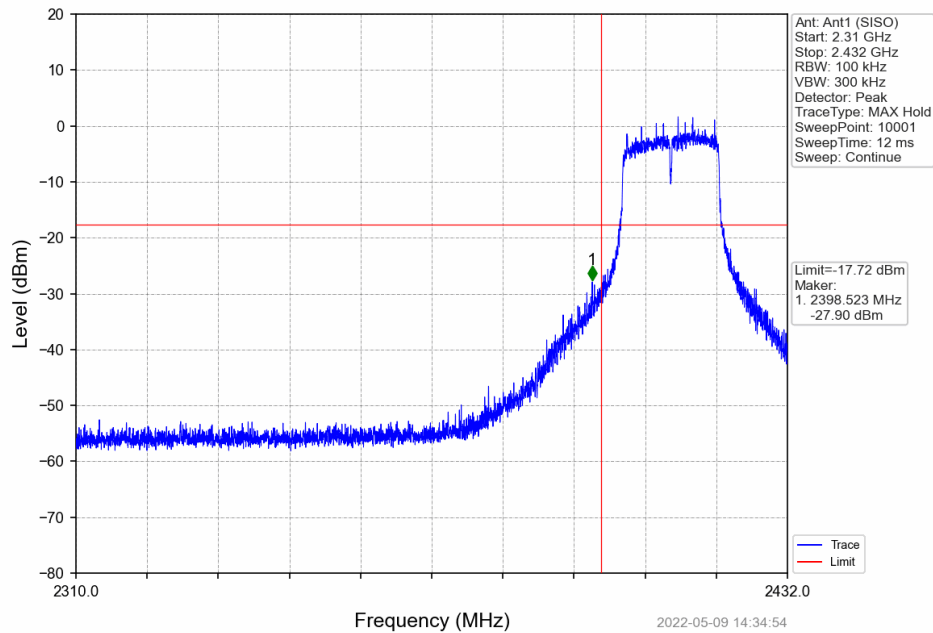
802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV



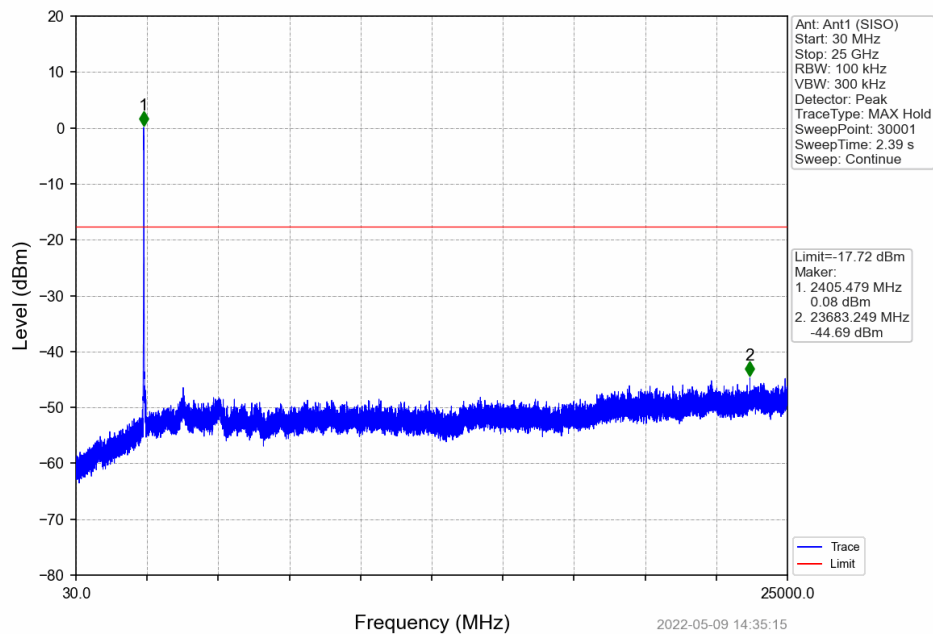
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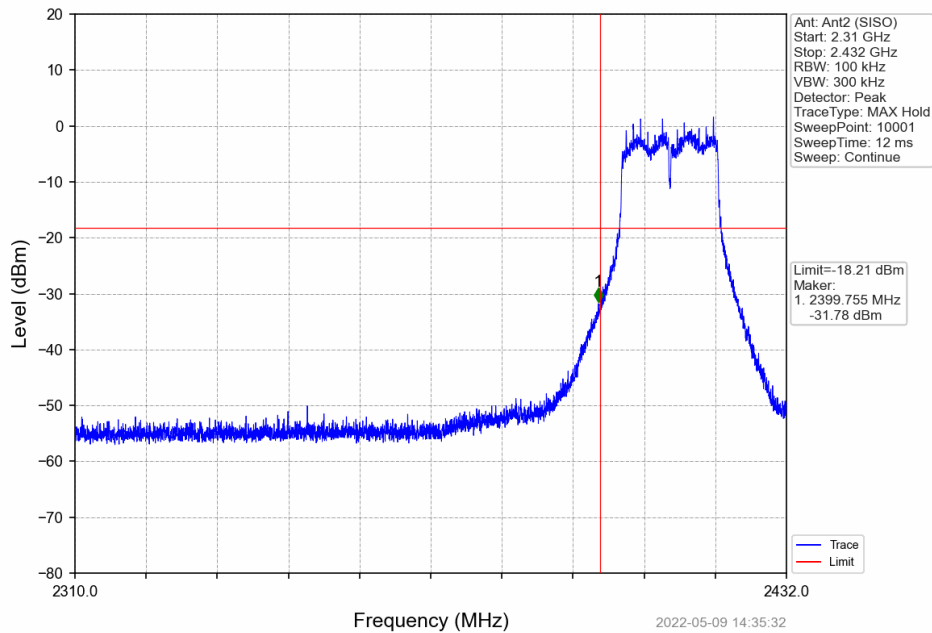
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



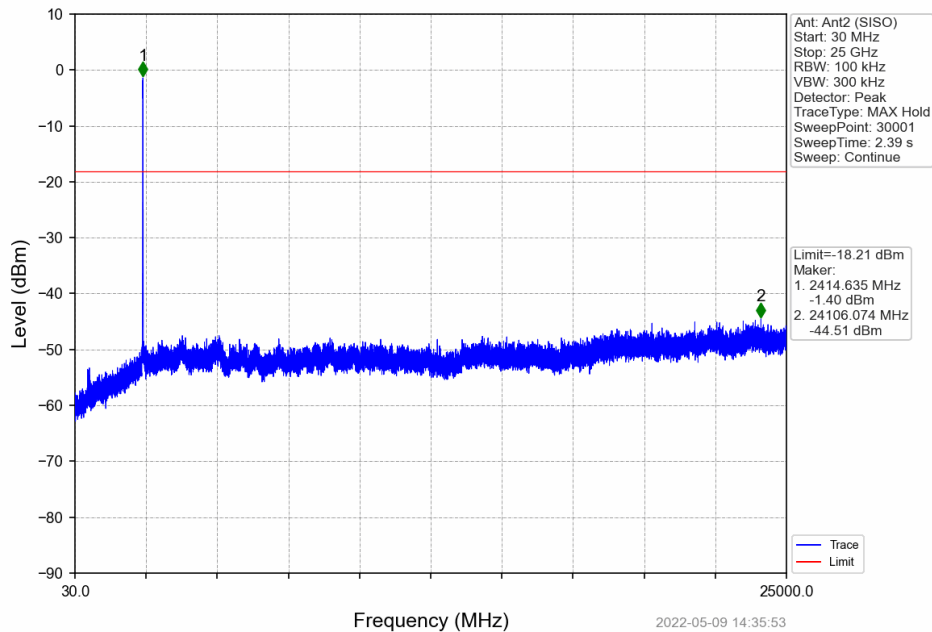
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



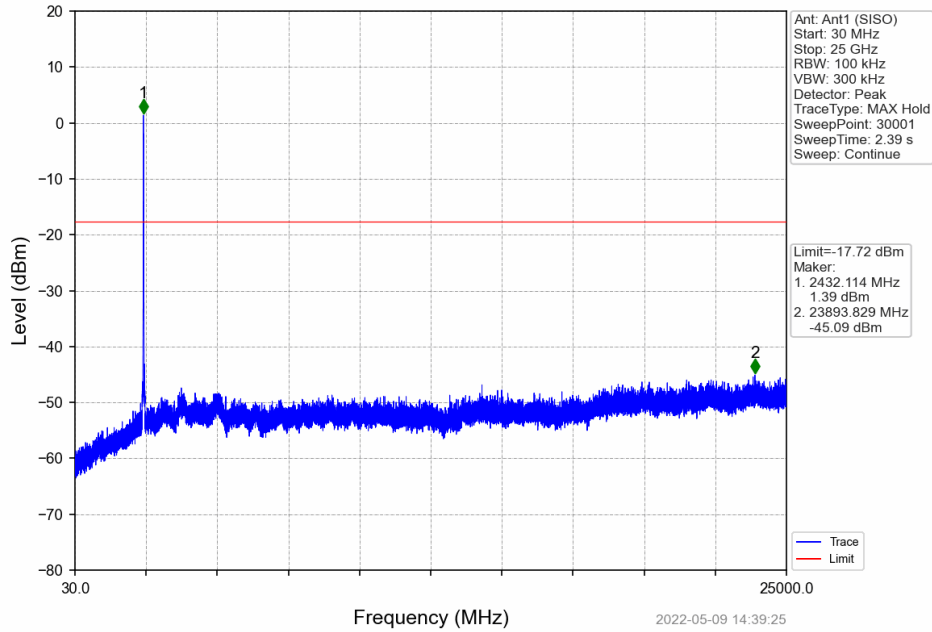
802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV



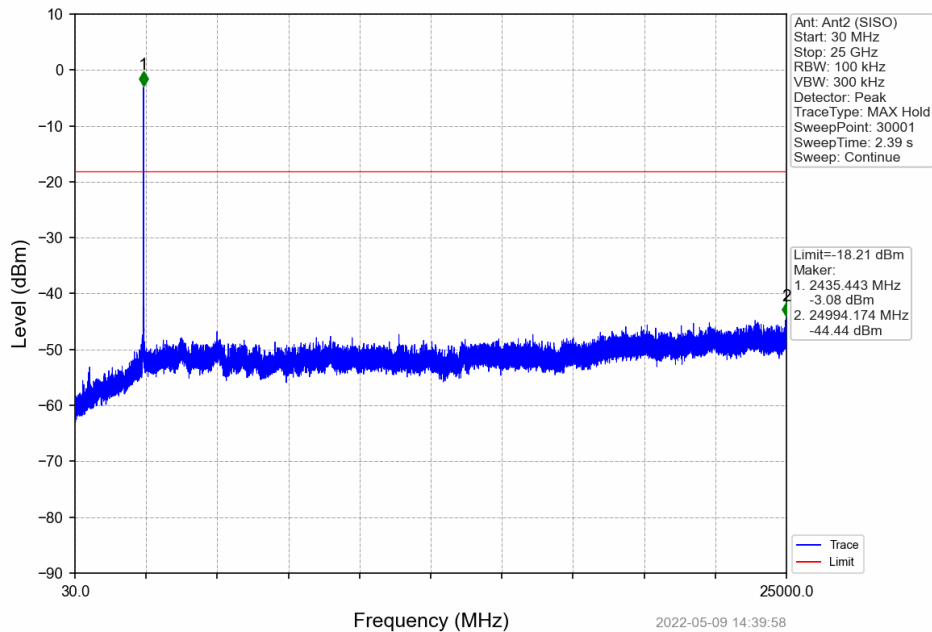
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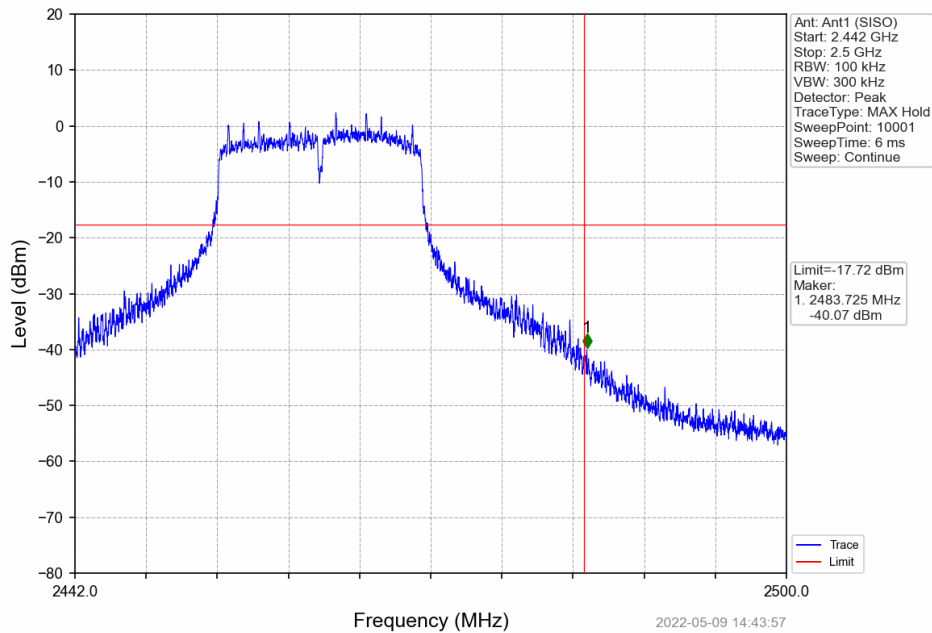
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

