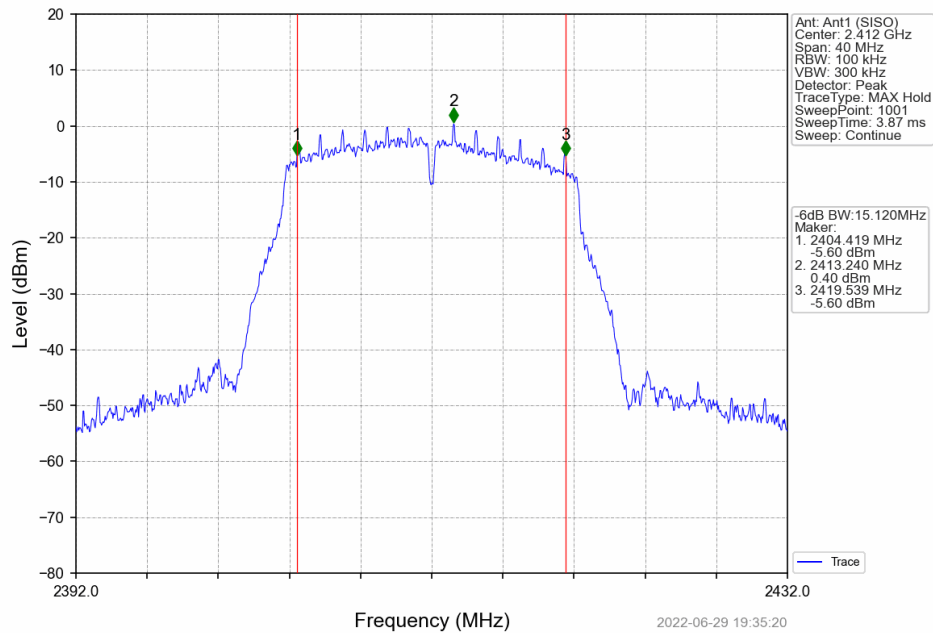
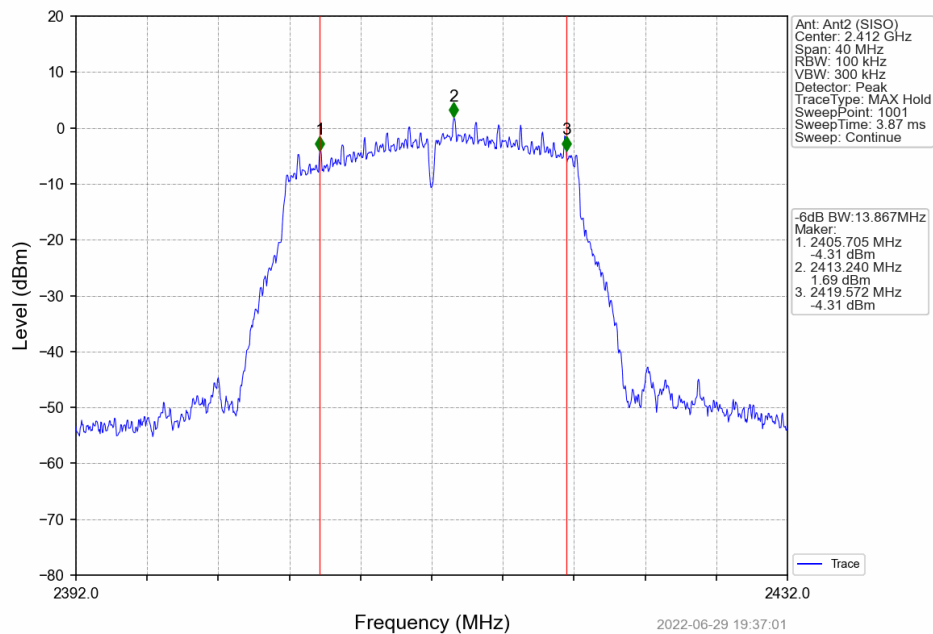


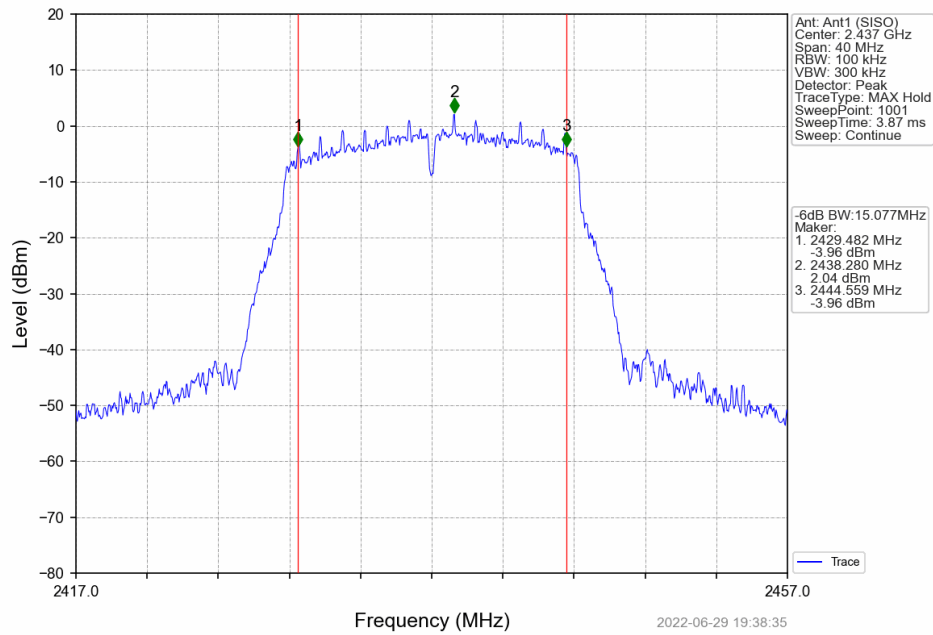
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



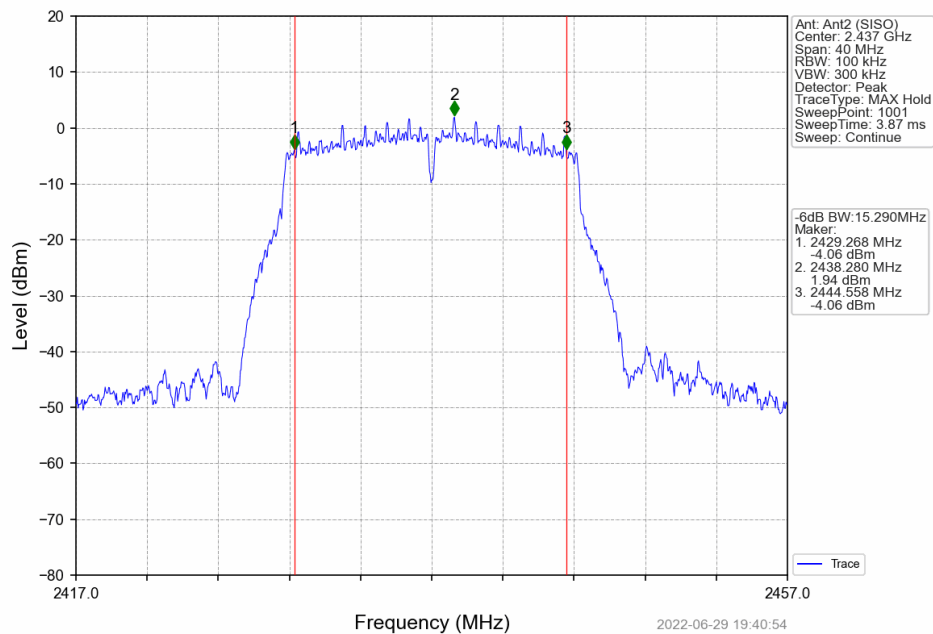
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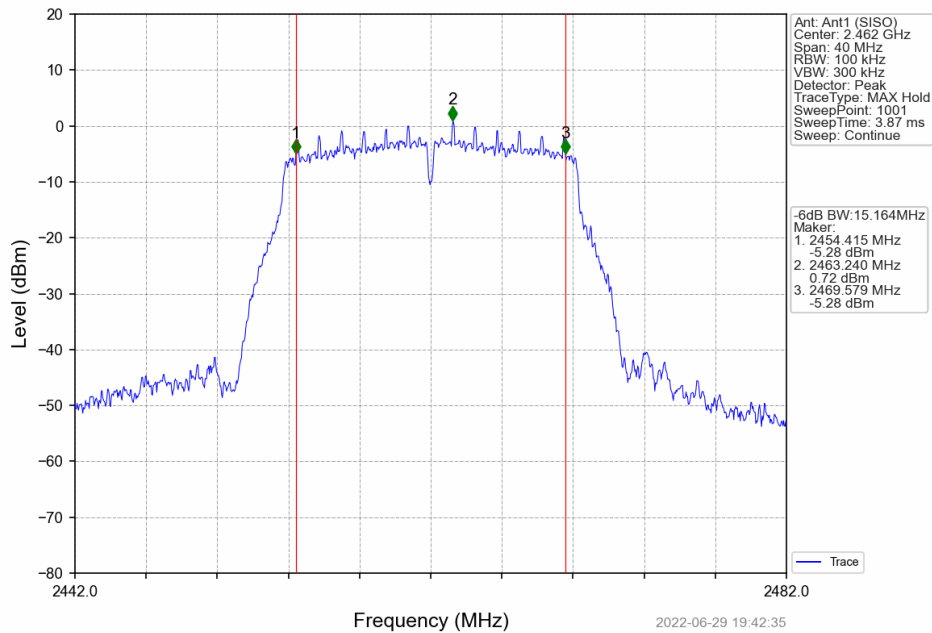
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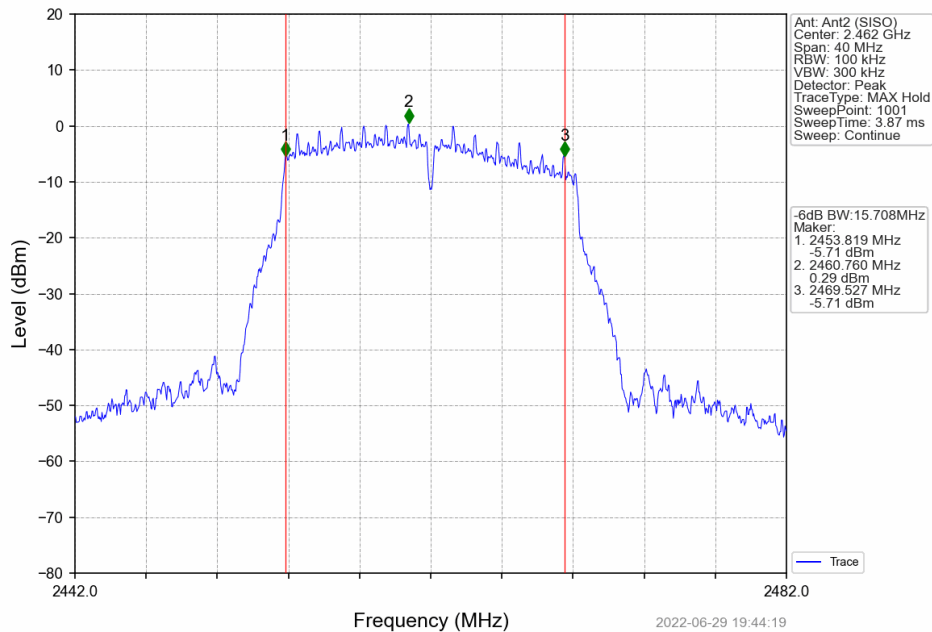
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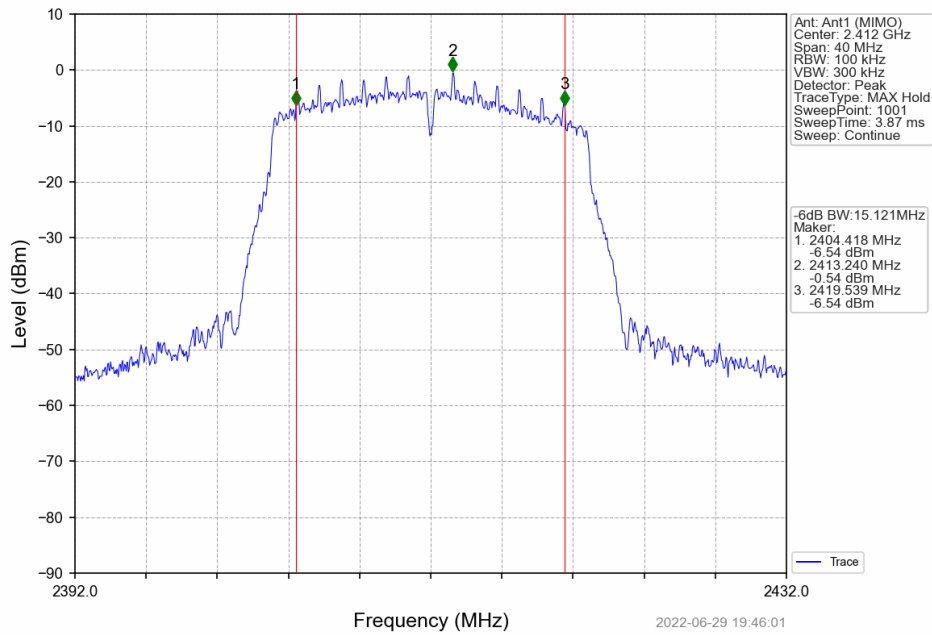
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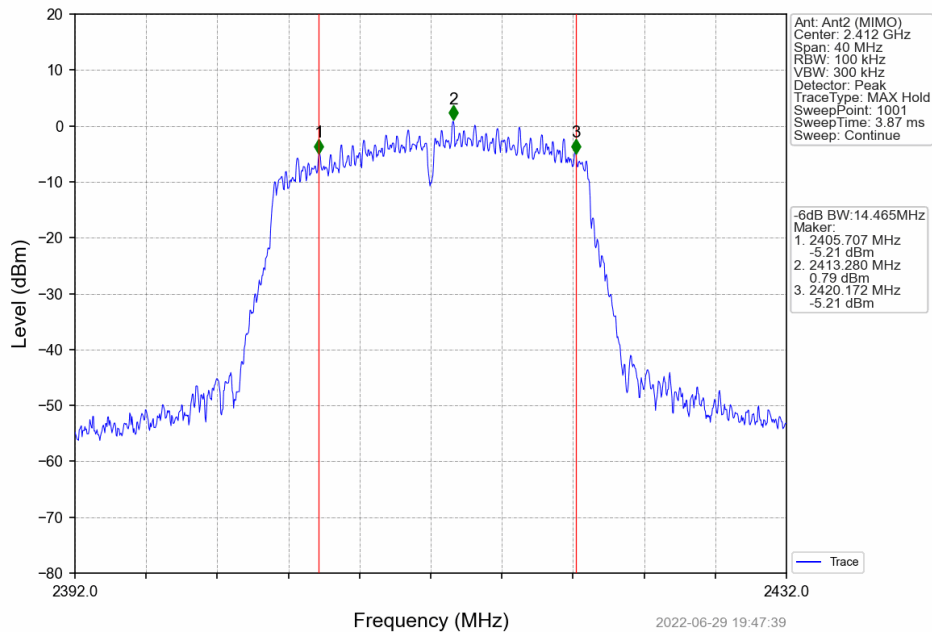
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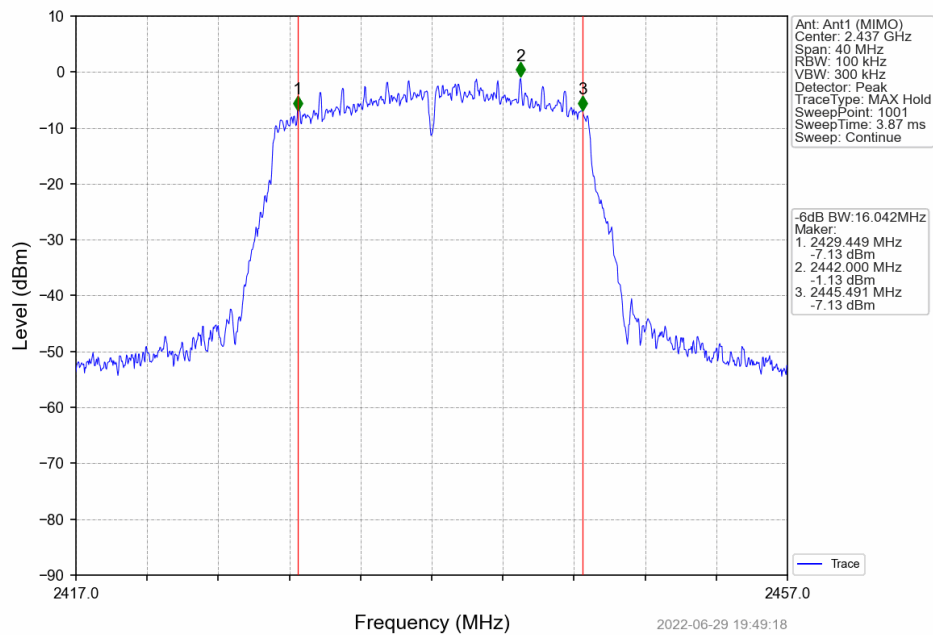
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



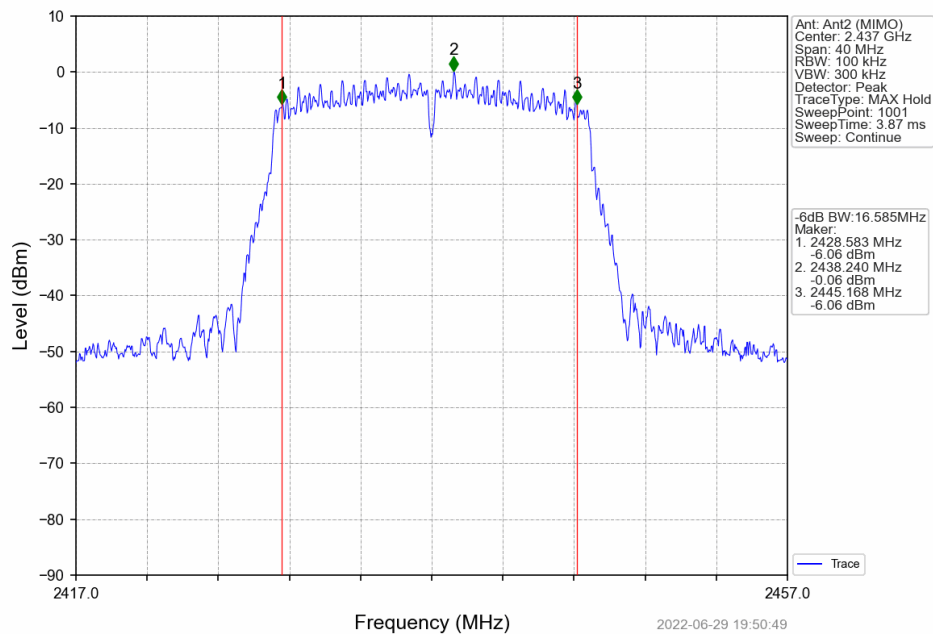
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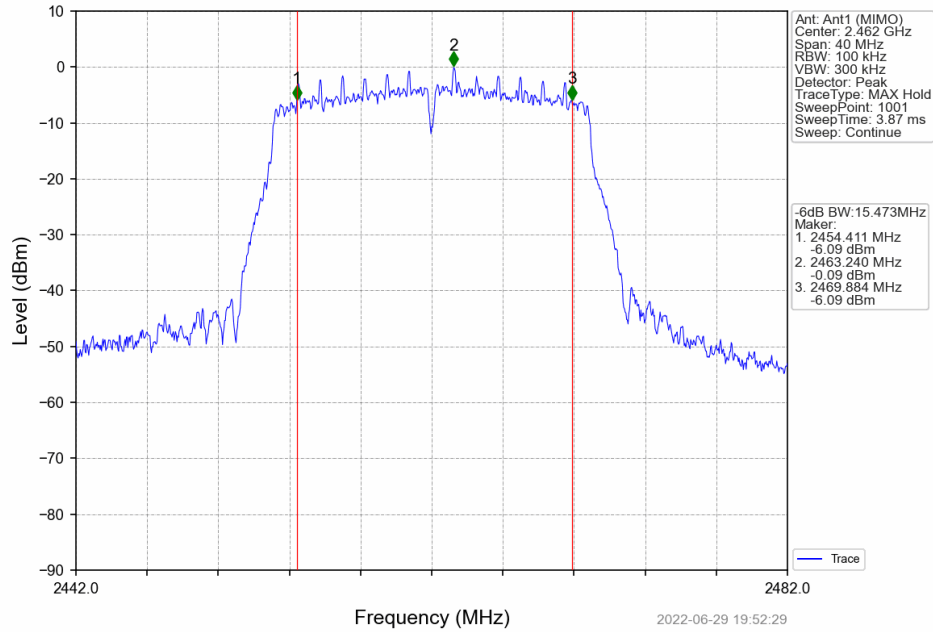
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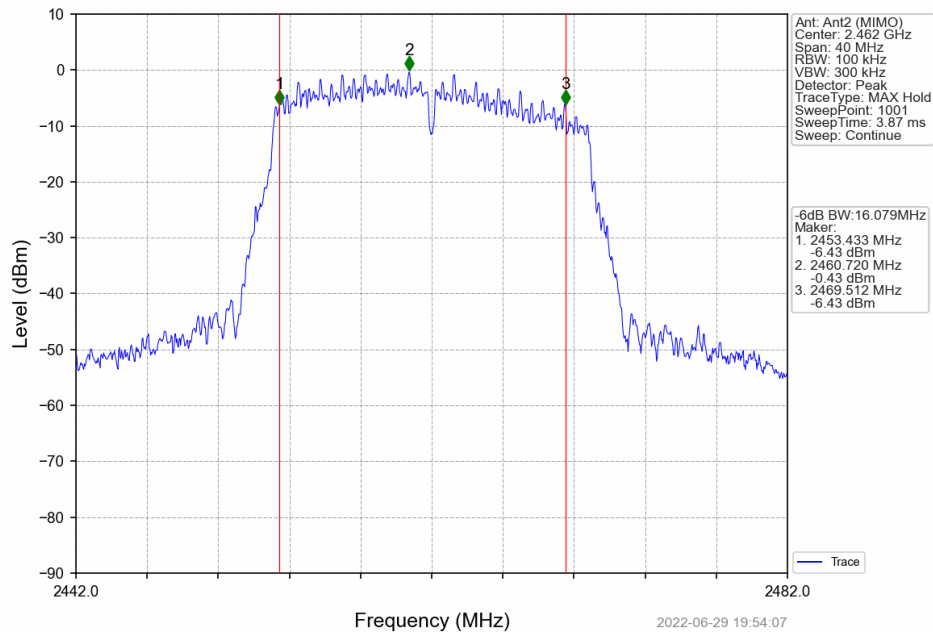
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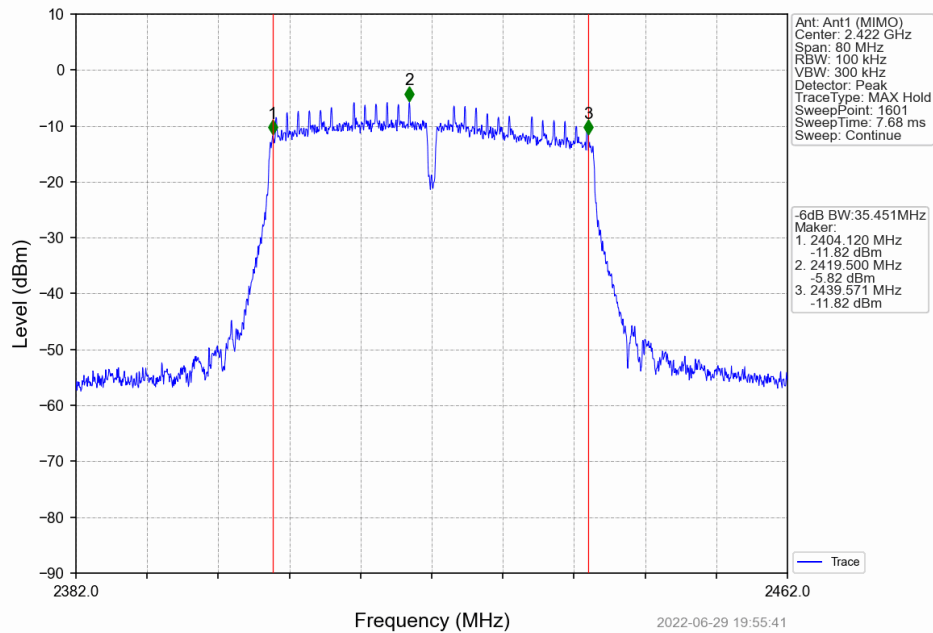
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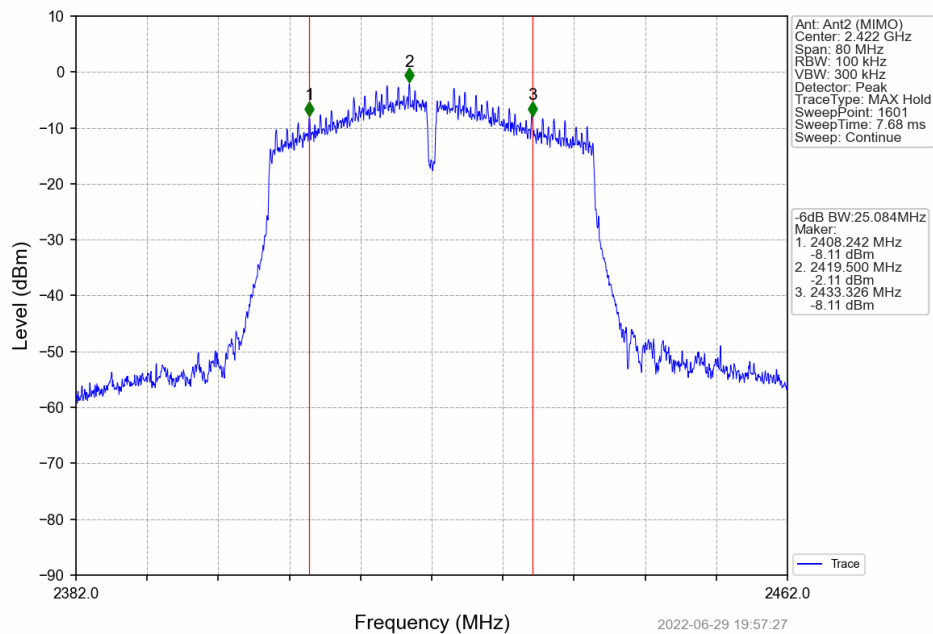
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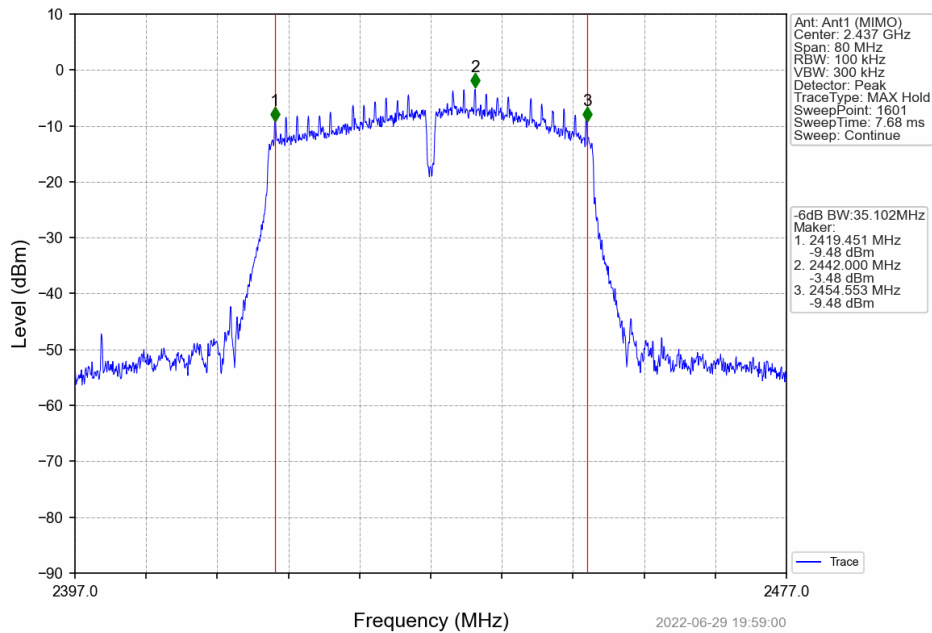
802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



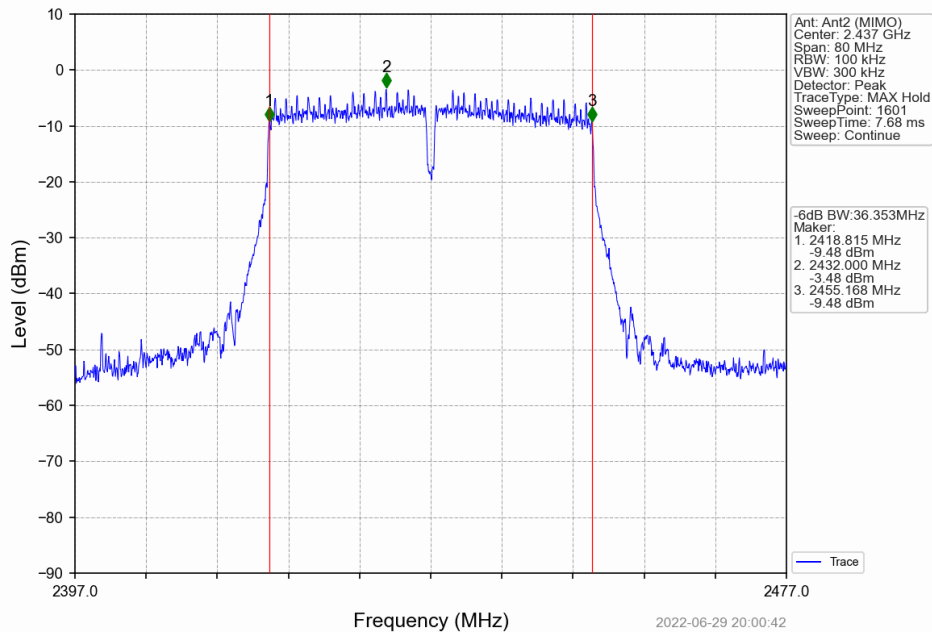
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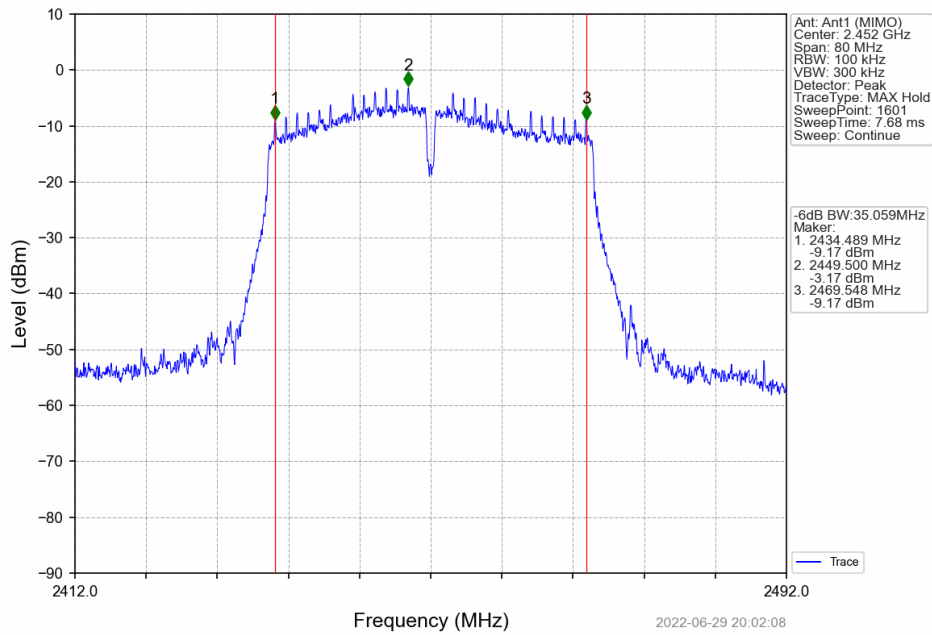
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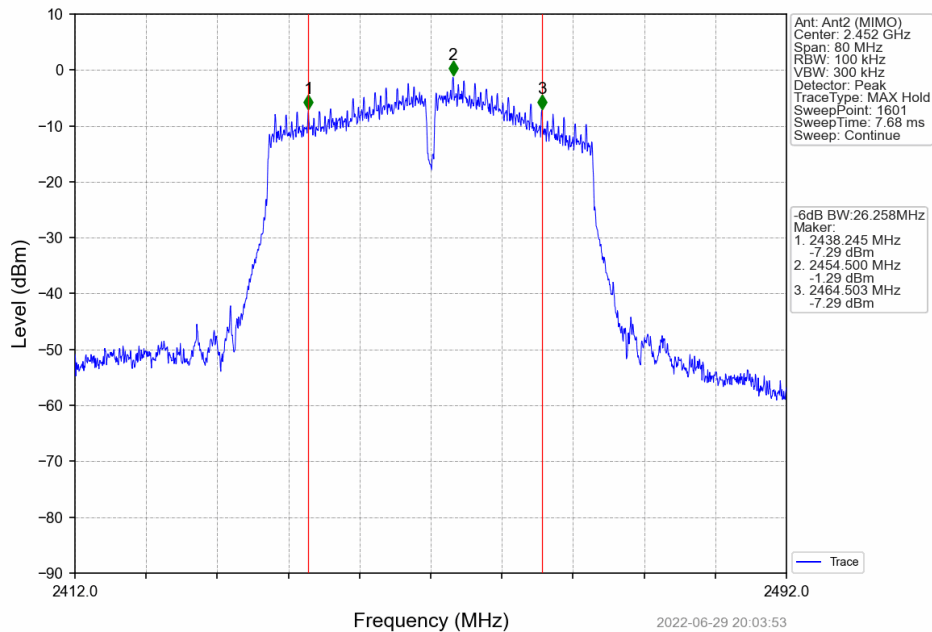
802.11n(HT40)_MCH_2437MHz_Ant2 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant2 (MIMO)_NTNV



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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	13.13	14.84	/	<=30	Pass
		2437	15.66	15.29	/	<=30	Pass
		2462	13.59	12.84	/	<=30	Pass
802.11g	SISO	2412	18.41	19.12	/	<=30	Pass
		2437	19.86	20.30	/	<=30	Pass
		2462	18.80	18.53	/	<=30	Pass
802.11n (HT20)	MIMO	2412	17.07	18.57	20.89	<=30	Pass
		2437	17.84	18.81	21.36	<=30	Pass
		2462	17.78	18.19	21.00	<=30	Pass
802.11n (HT40)	MIMO	2422	15.52	17.31	19.52	<=30	Pass
		2437	17.14	18.63	20.96	<=30	Pass
		2452	17.08	18.09	20.62	<=30	Pass

Note1: Antenna Gain: Ant1: 2.00dBi; Ant2: 2.00dBi;
Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain)

4. Maximum Power Spectral Density

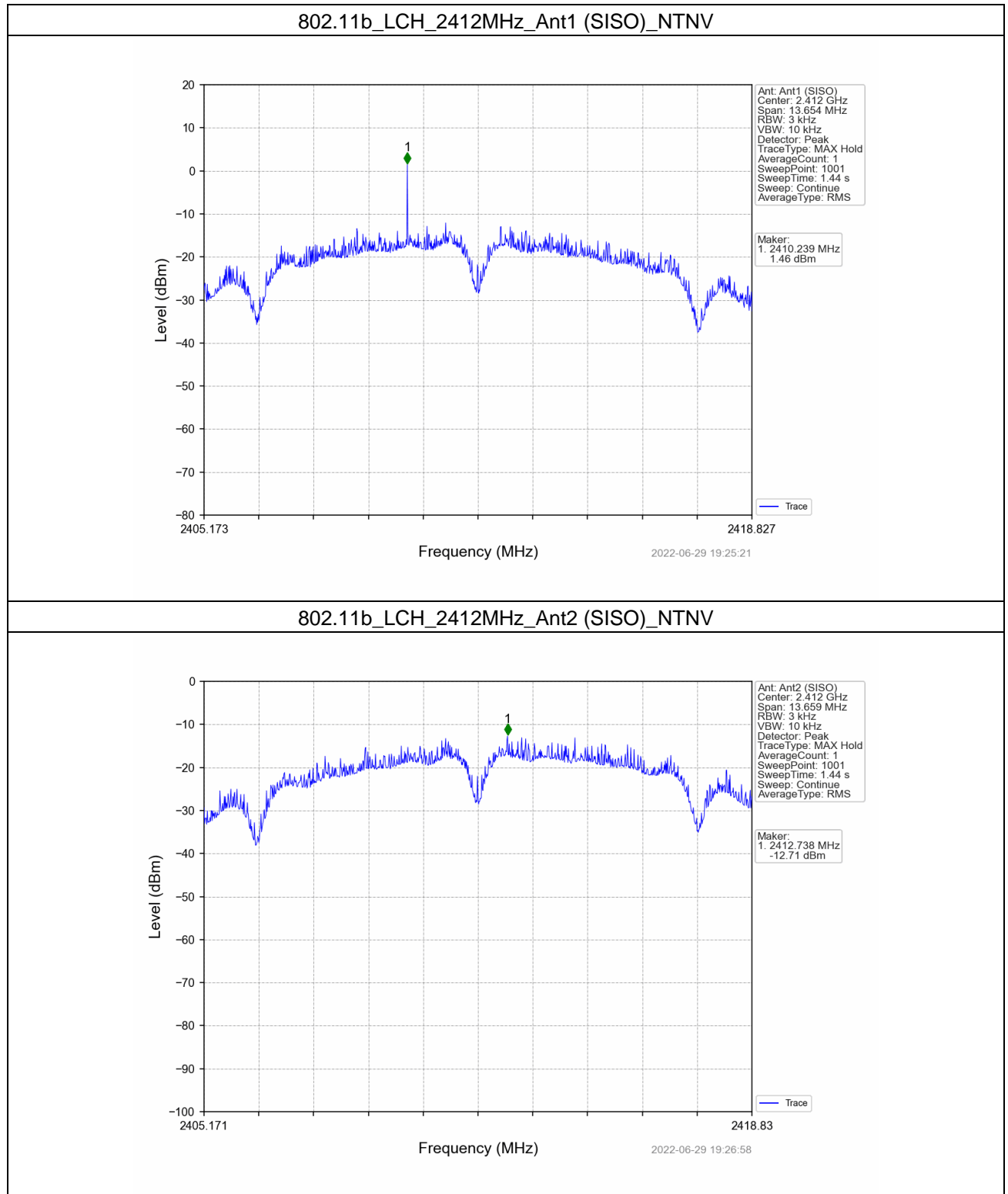
4.1 PSD

4.1.1 Test Result

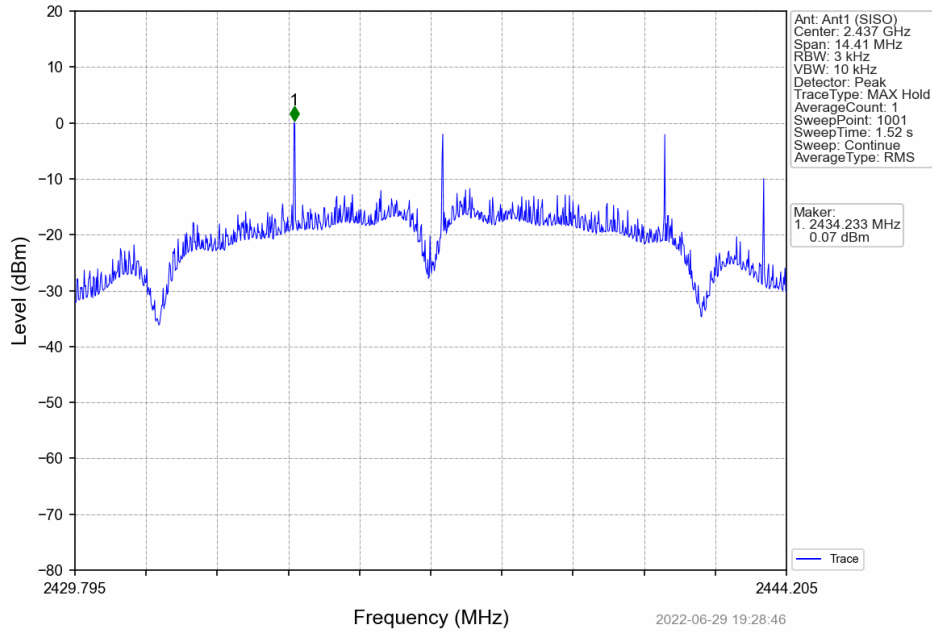
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11b	SISO	2412	1.46	-12.71	/	<=8	Pass
		2437	0.07	-0.16	/	<=8	Pass
		2462	-2.99	-2.55	/	<=8	Pass
802.11g	SISO	2412	-16.46	-15.48	/	<=8	Pass
		2437	-14.29	-13.42	/	<=8	Pass
		2462	-15.61	-15.99	/	<=8	Pass
802.11n (HT20)	MIMO	2412	-17.15	-14.55	-13.78	<=8	Pass
		2437	-16.25	-15.74	-13.64	<=8	Pass
		2462	-15.77	-15.96	-13.53	<=8	Pass
802.11n (HT40)	MIMO	2422	-21.73	-18.46	-16.86	<=8	Pass
		2437	-19.15	-20.00	-17.51	<=8	Pass
		2452	-18.32	-17.36	-15.88	<=8	Pass

Note1: Antenna Gain: Ant1: 2.00dBi; Ant2: 2.00dBi;
Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain)

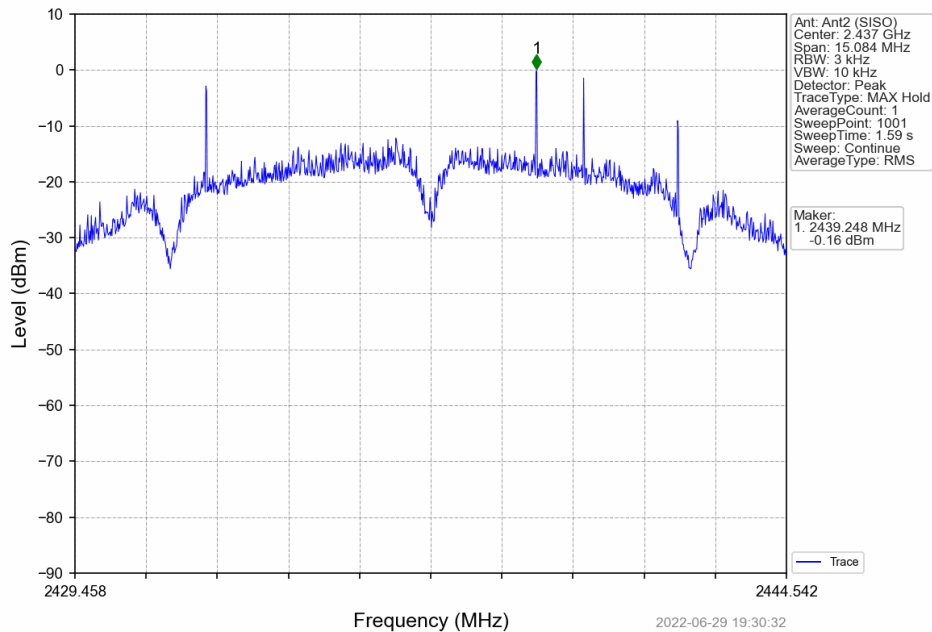
4.1.2 Test Graph



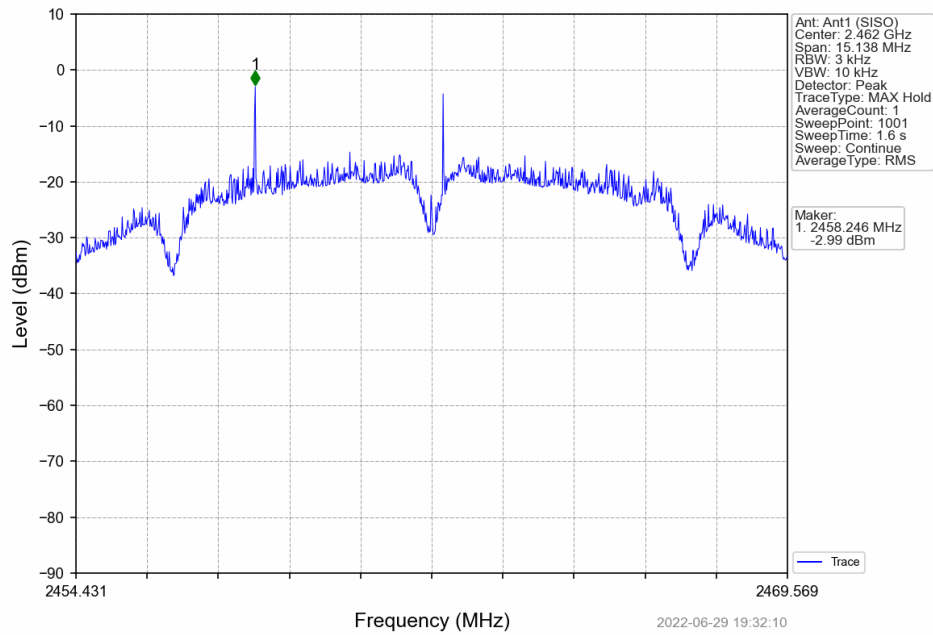
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



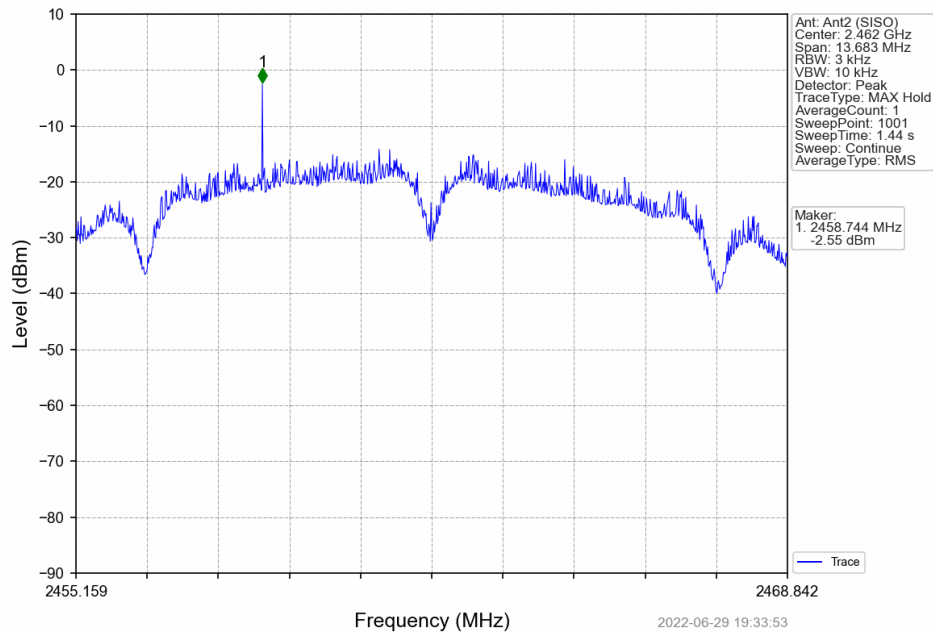
802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV



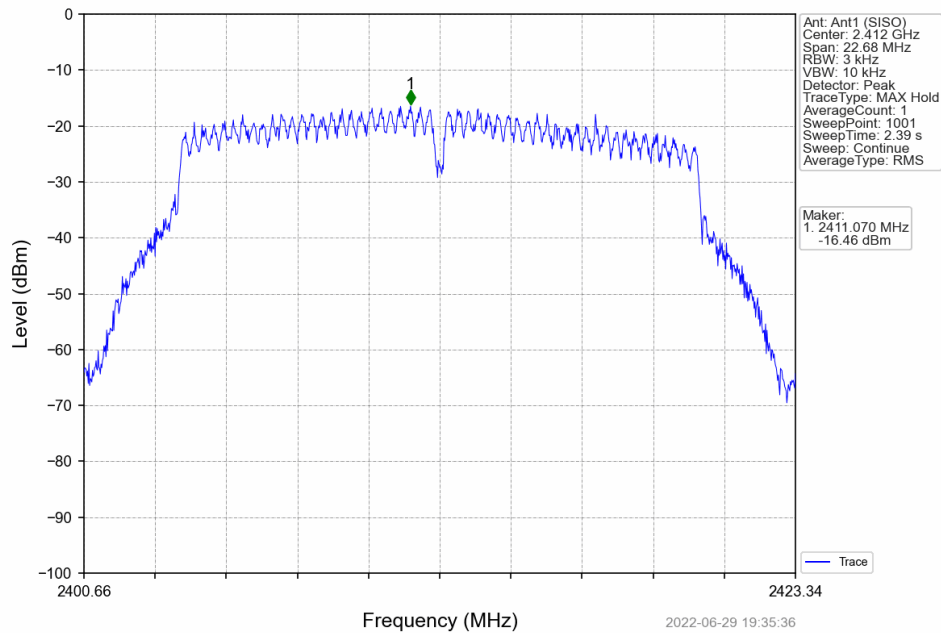
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



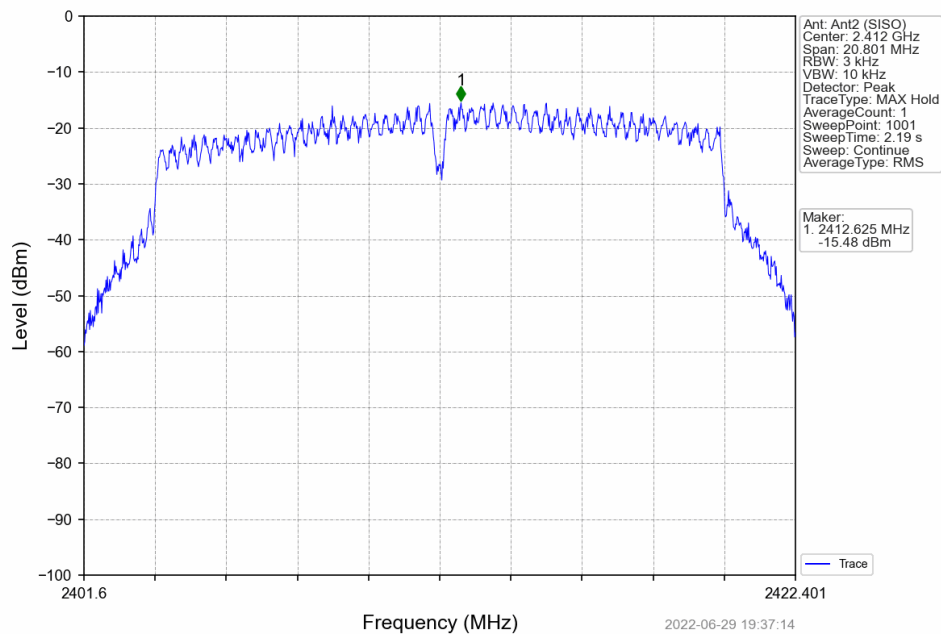
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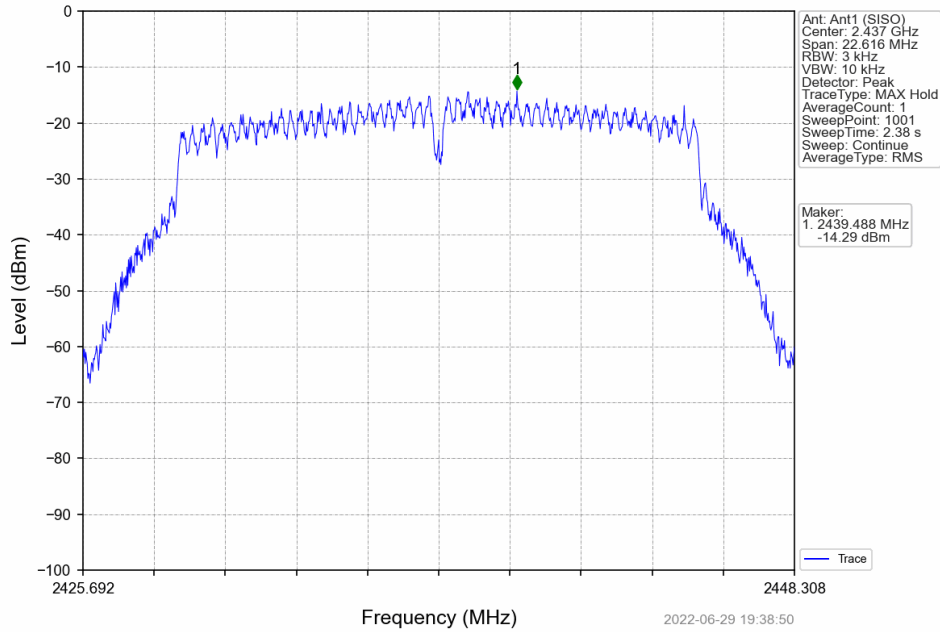
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



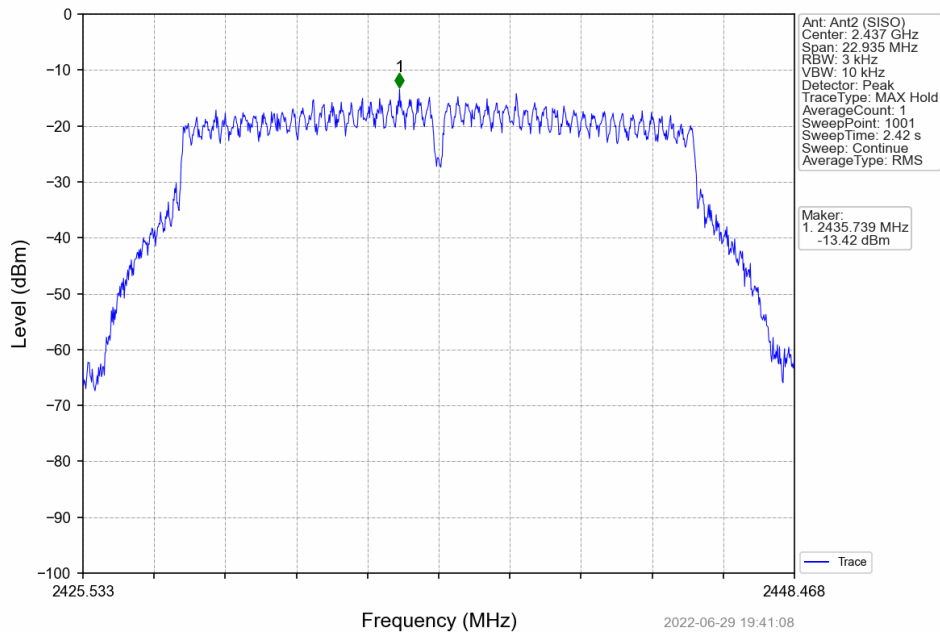
802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV



802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV

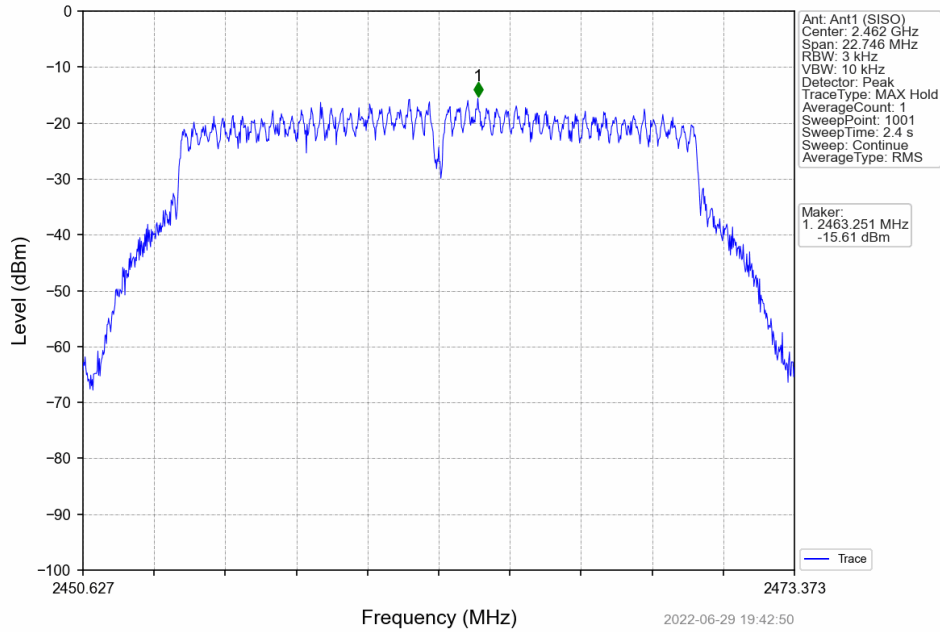


802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV

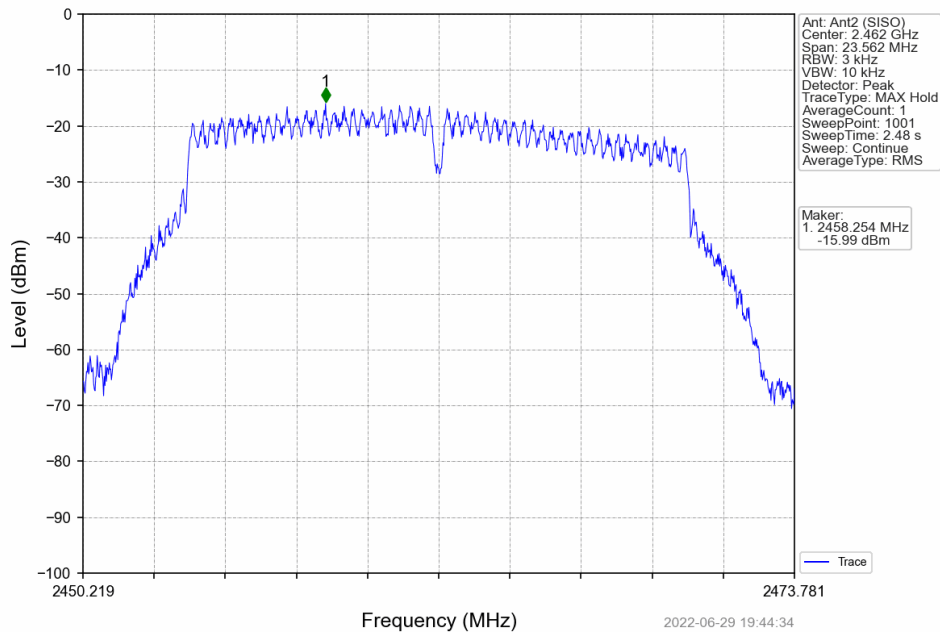


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802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



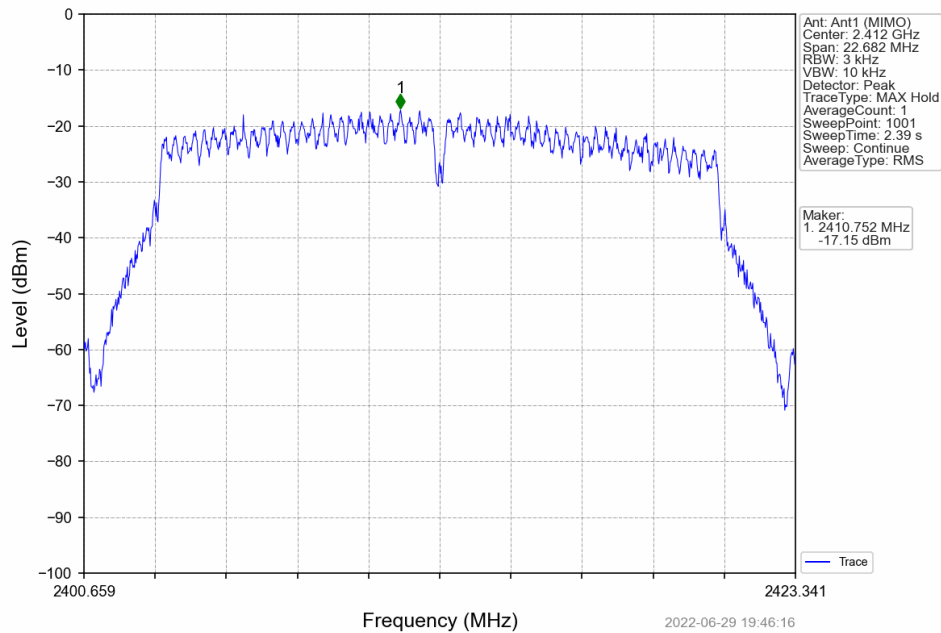
802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV



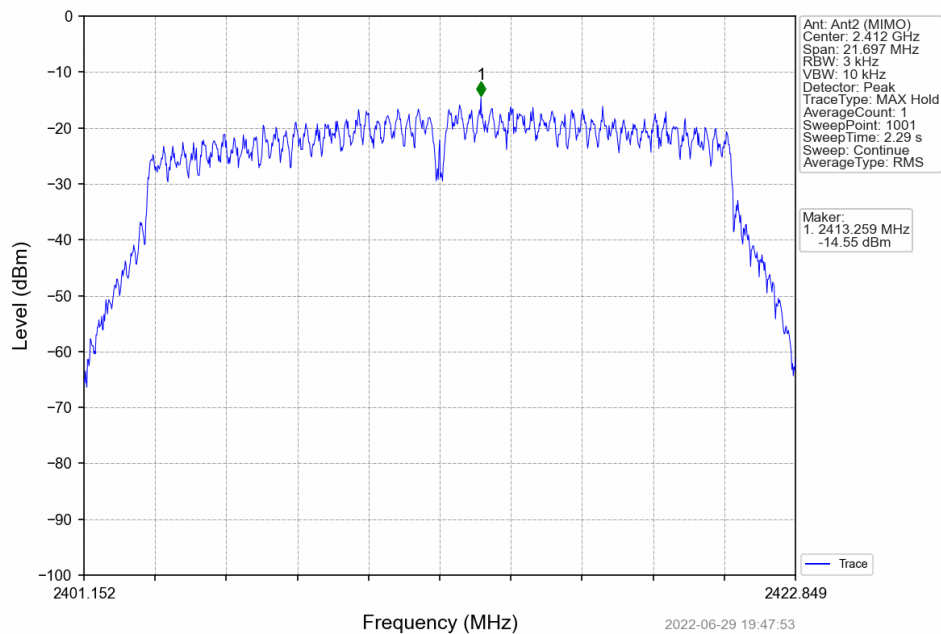
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802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV

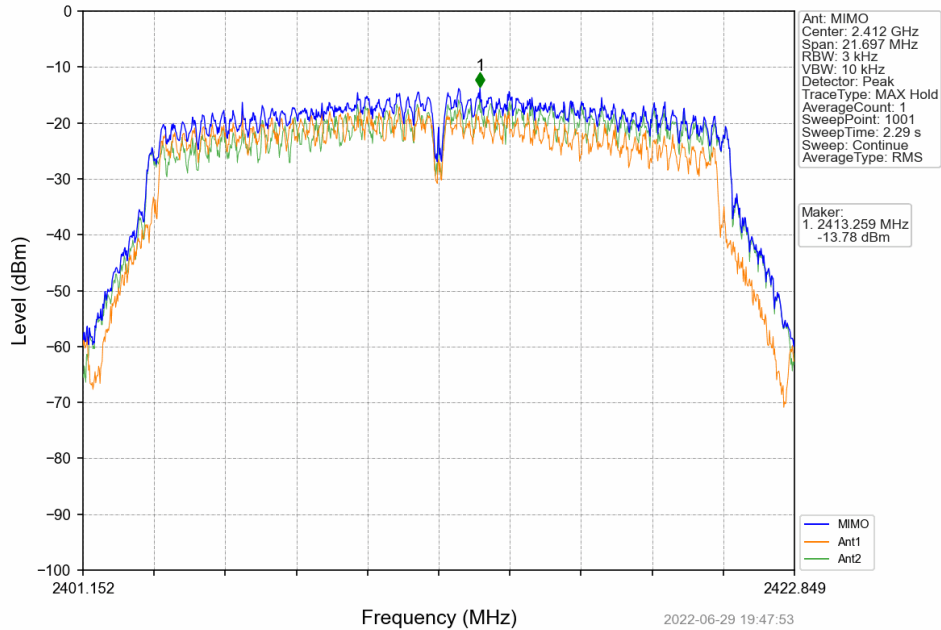


802.11n(HT20)_LCH_2412MHz_Ant2 (MIMO)_NTNV

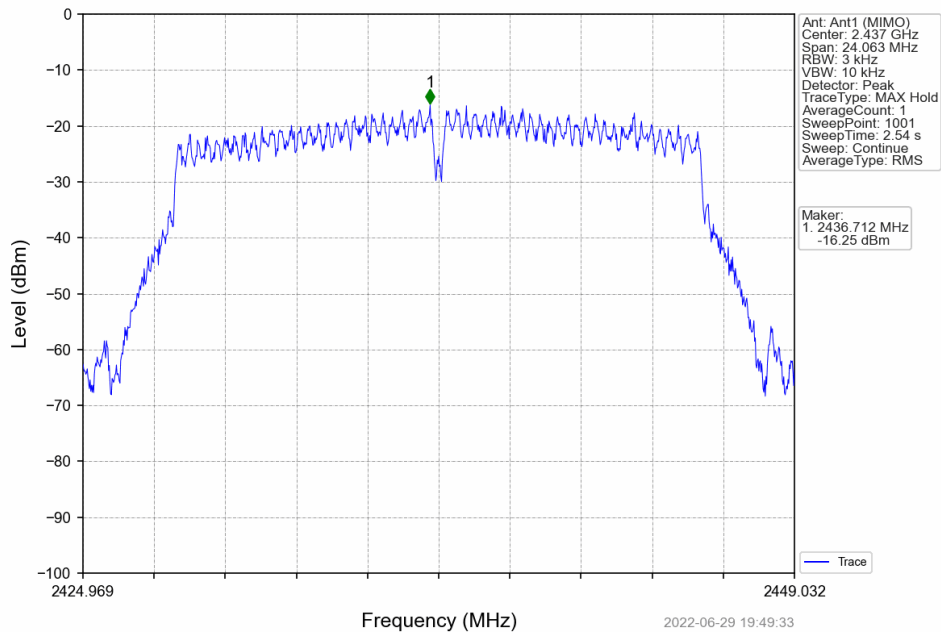


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802.11n(HT20)_LCH_2412MHz_MIMO_NTNV

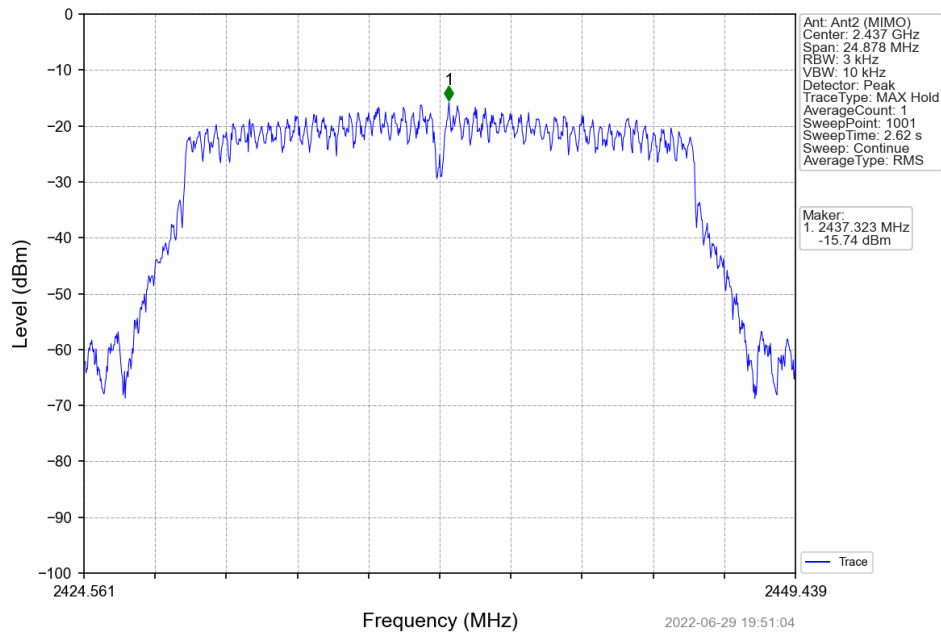


802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV

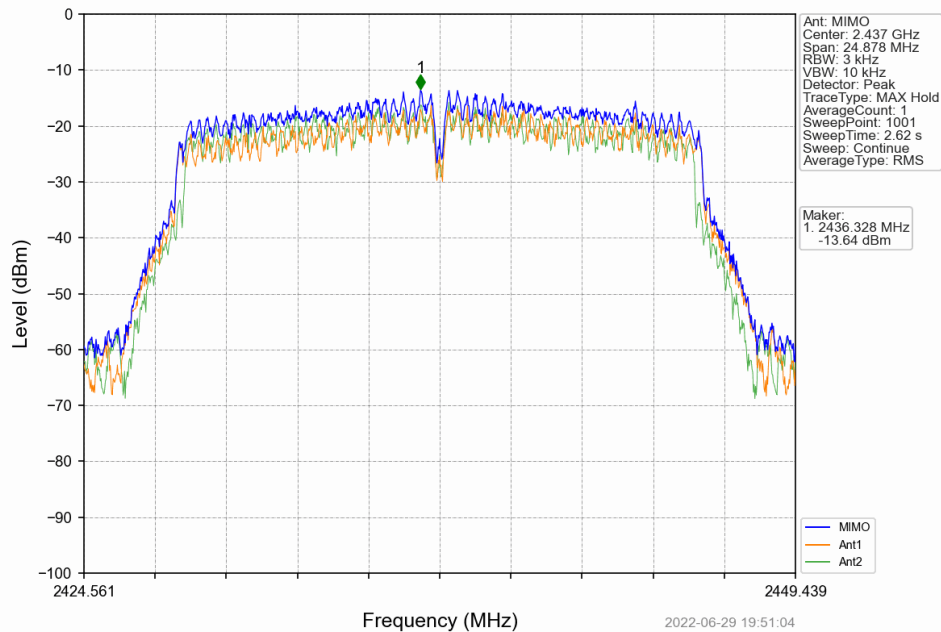


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802.11n(HT20)_MCH_2437MHz_Ant2 (MIMO)_NTNV



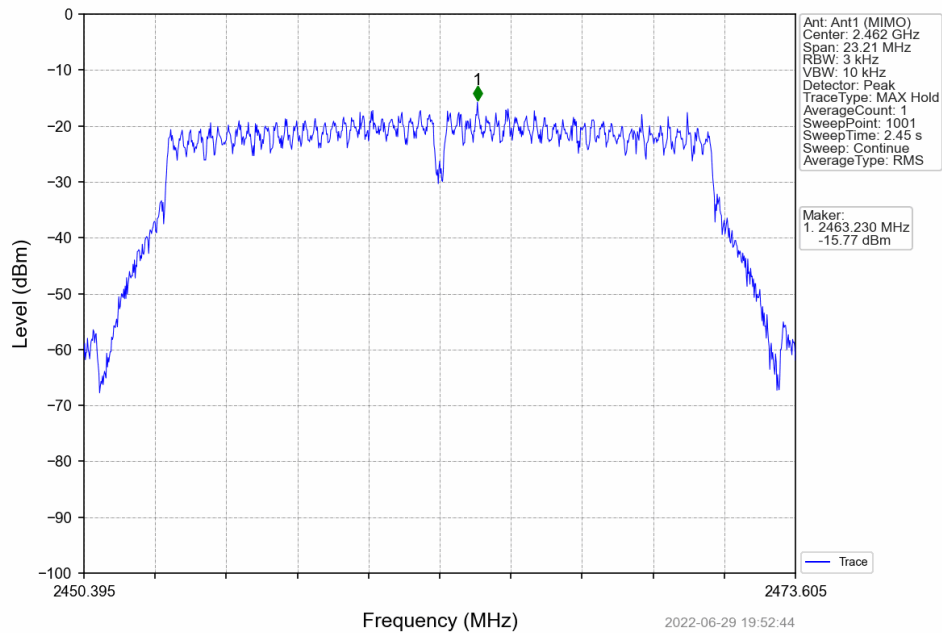
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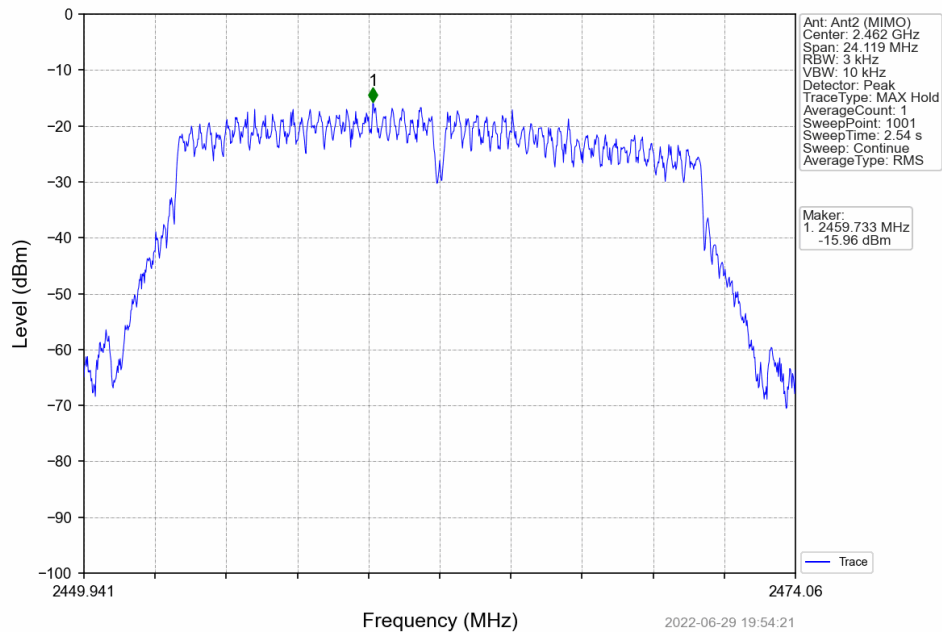
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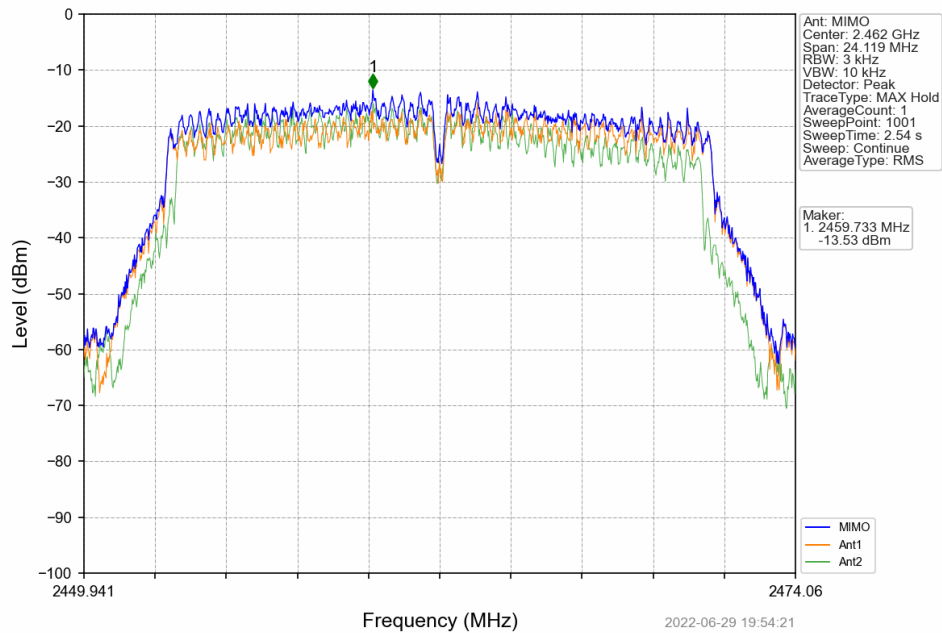
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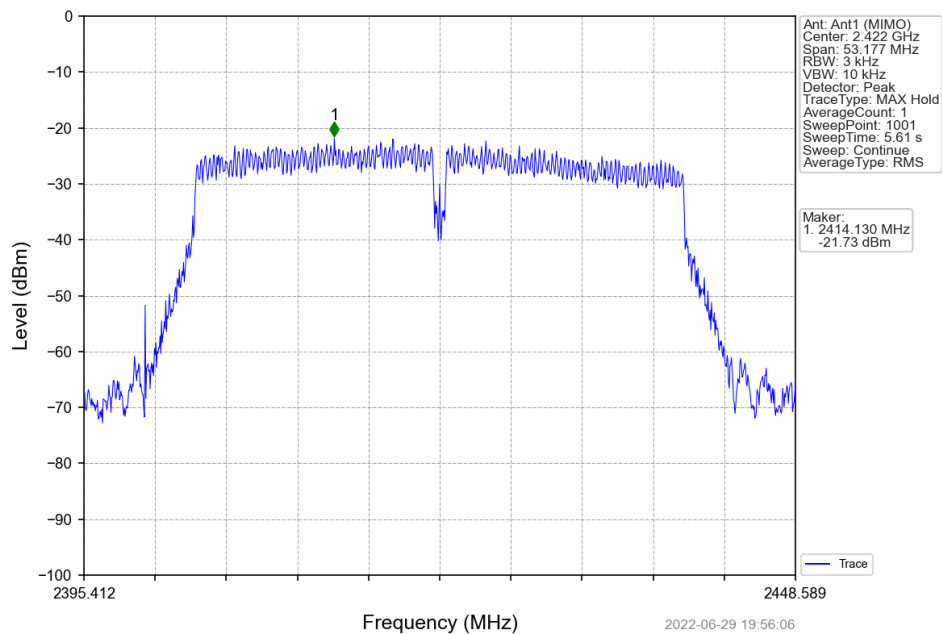
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802.11n(HT20)_HCH_2462MHz_MIMO_NTNV



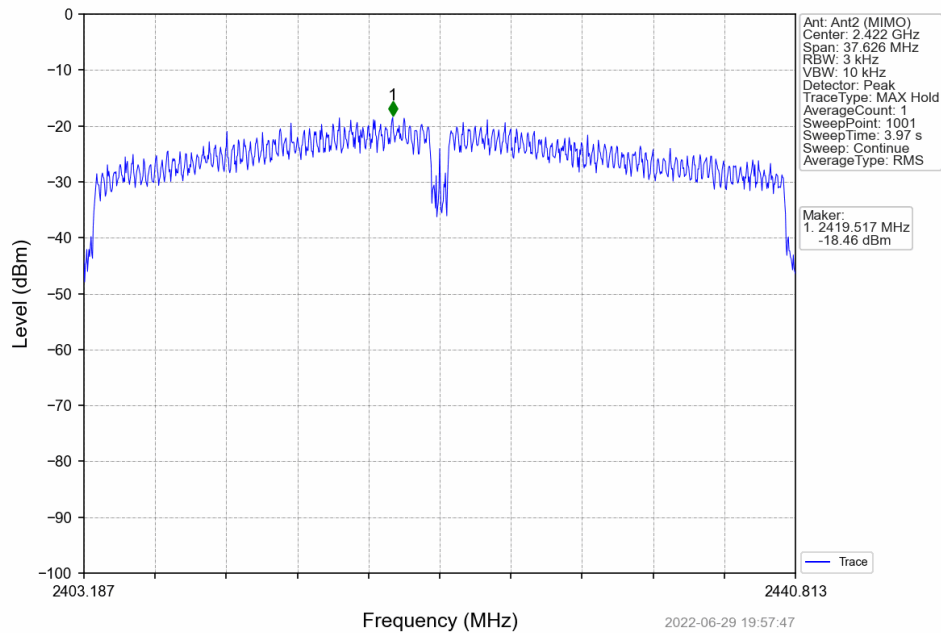
802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



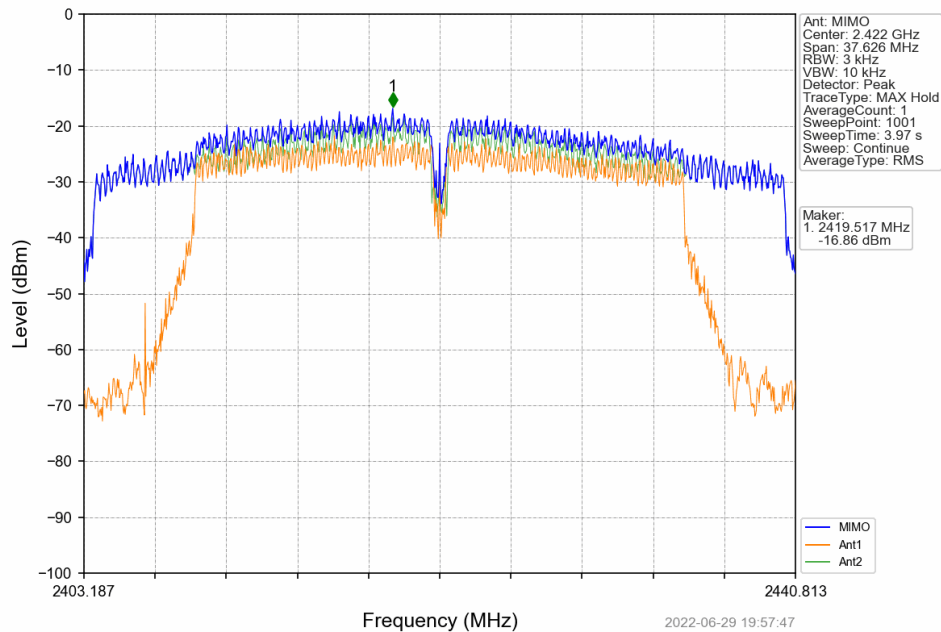
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802.11n(HT40)_LCH_2422MHz_Ant2 (MIMO)_NTNV

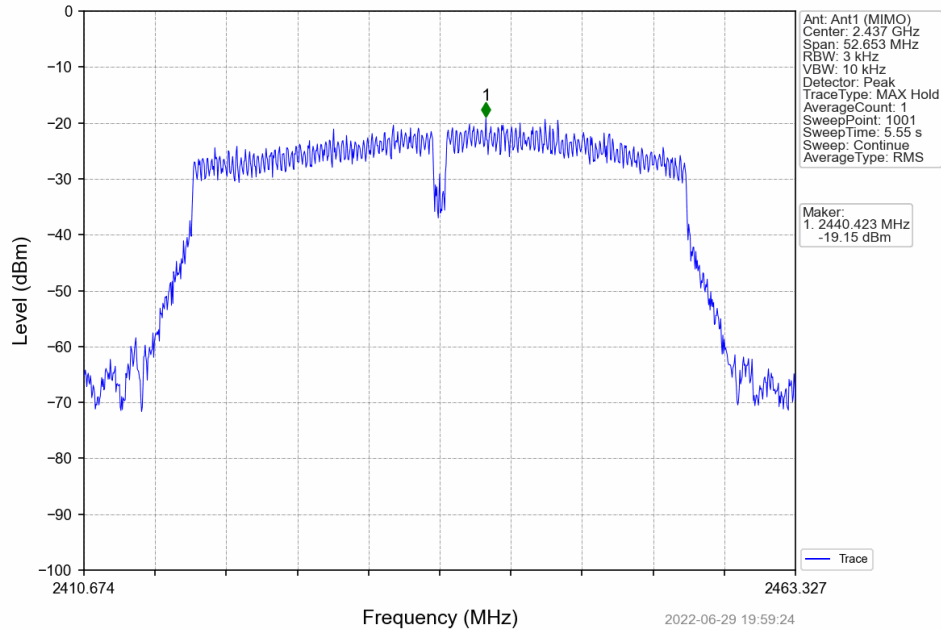


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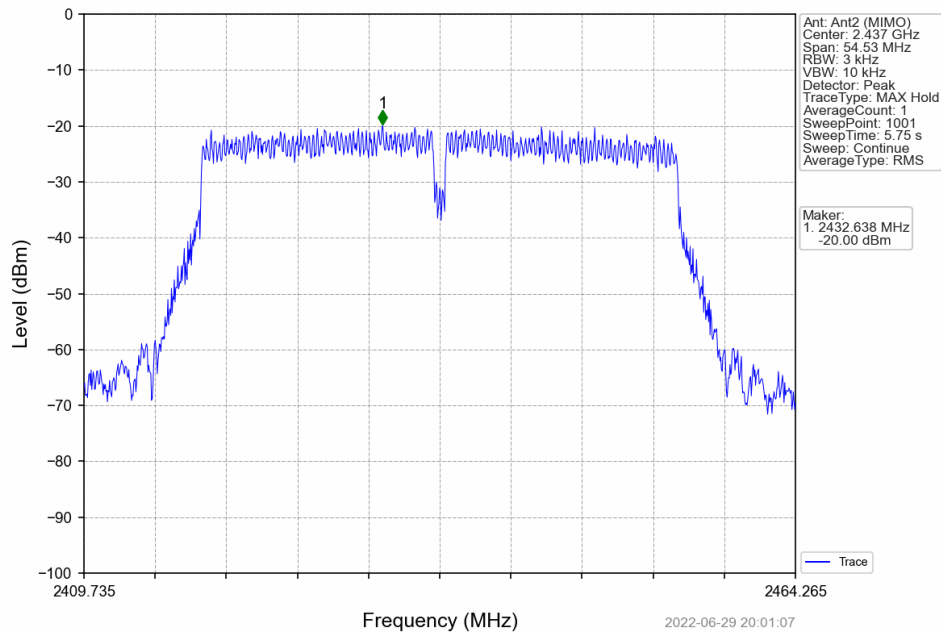


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802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV

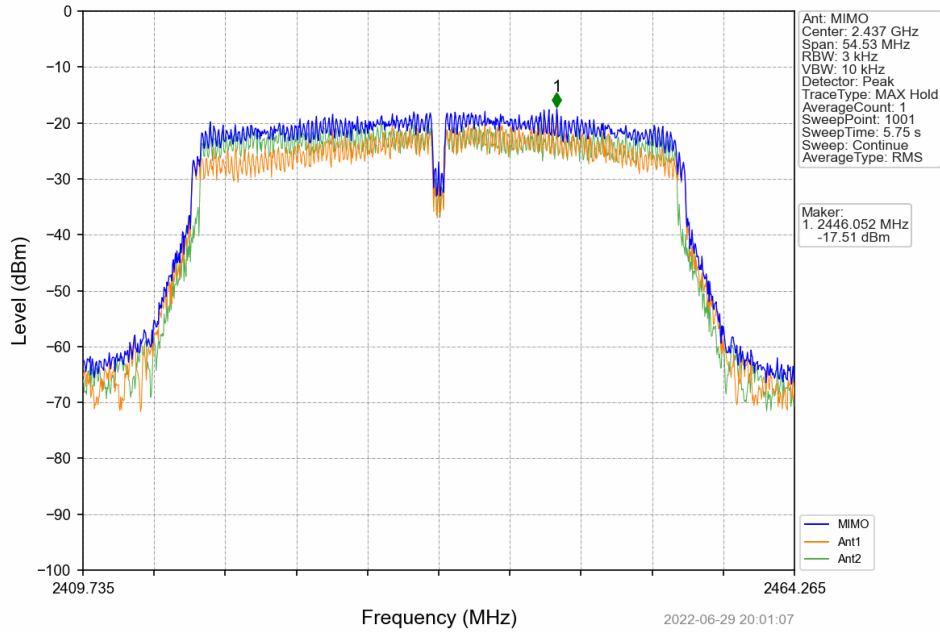


802.11n(HT40)_MCH_2437MHz_Ant2 (MIMO)_NTNV

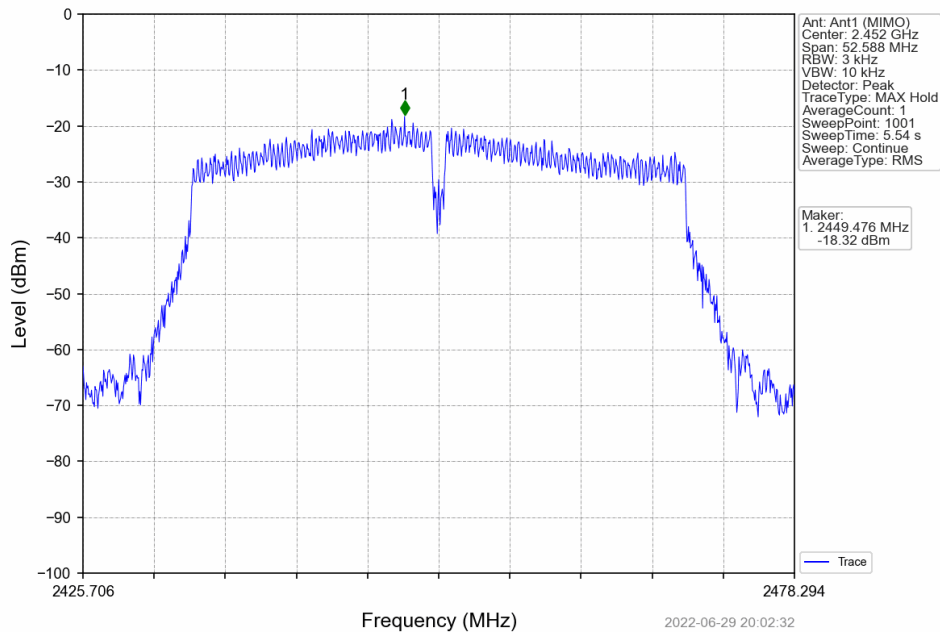


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802.11n(HT40)_MCH_2437MHz_MIMO_NTNV

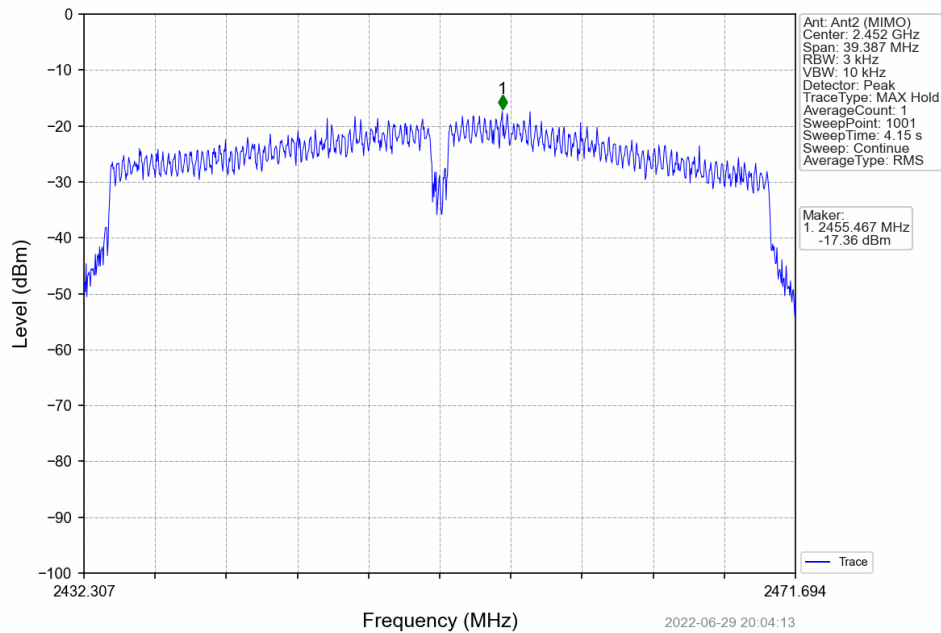


802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV

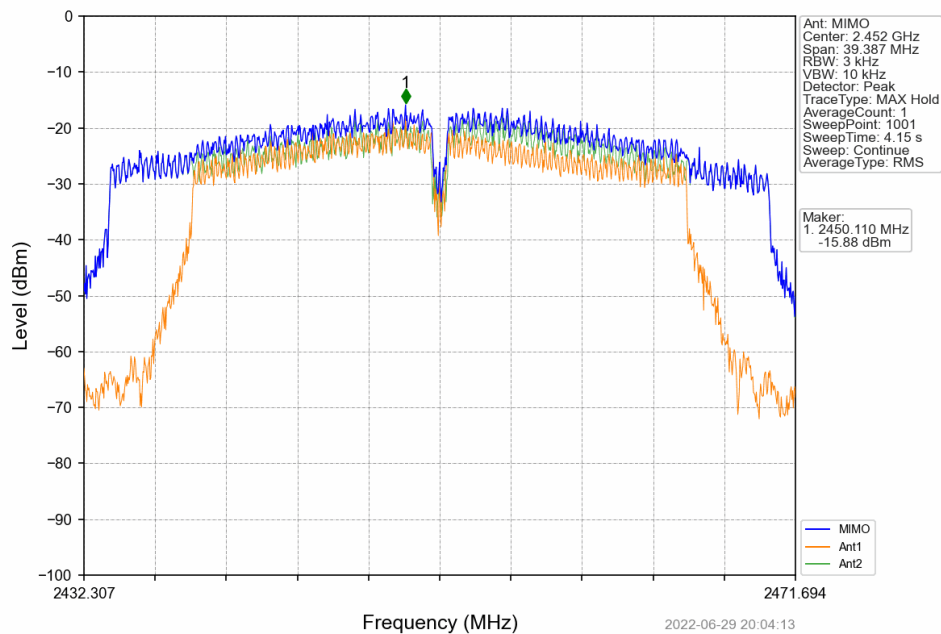


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802.11n(HT40)_HCH_2452MHz_Ant2 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_MIMO_NTNV



5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Ref

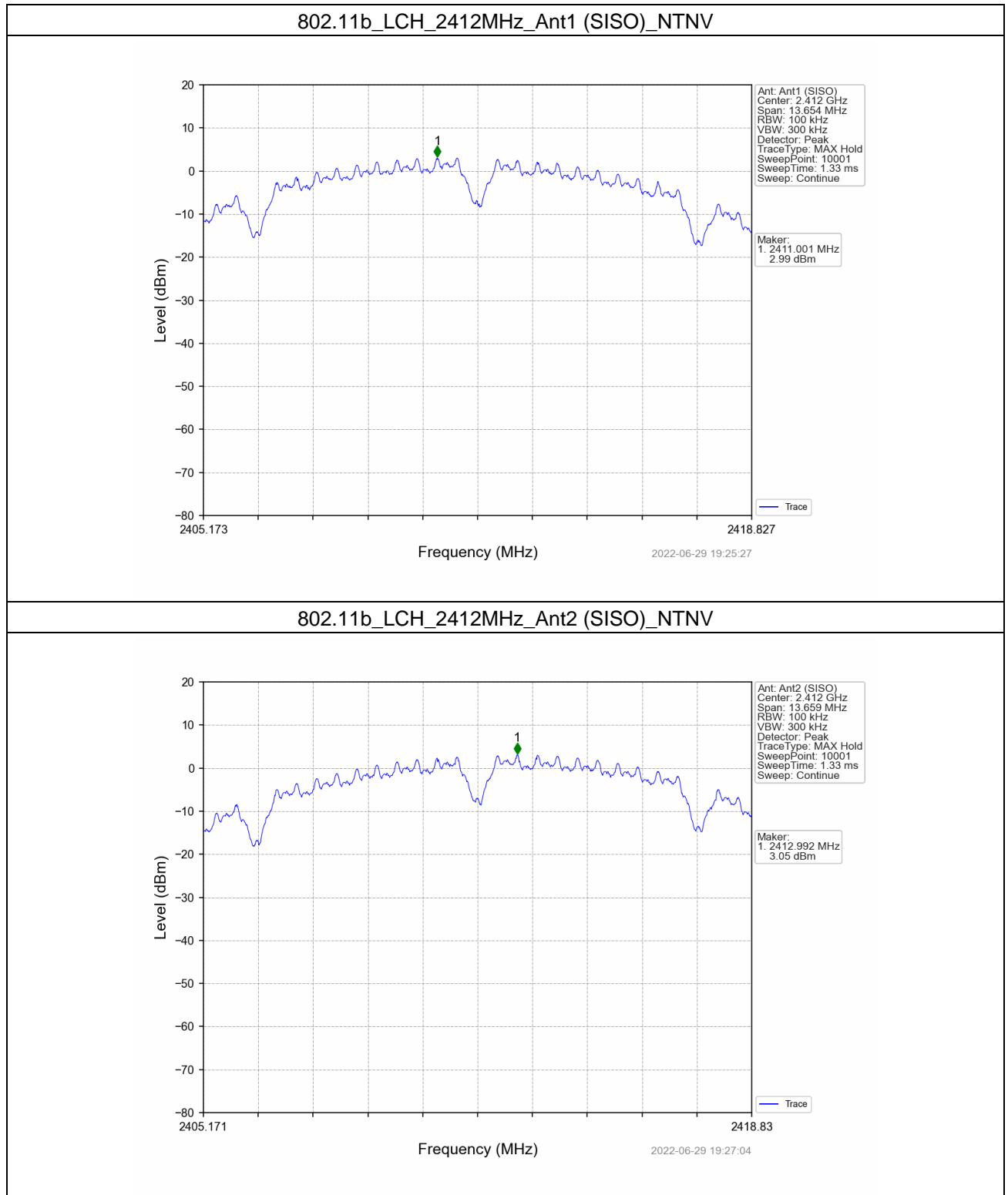
5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	2.99
			2	3.05
		2437	1	3.35
			2	2.86
		2462	1	1.40
			2	1.04
802.11g	SISO	2412	1	0.33
			2	1.64
		2437	1	1.67
			2	1.80
		2462	1	0.10
			2	0.00
802.11n (HT20)	MIMO	2412	1	-0.73
			2	0.48
		2437	1	-0.78
			2	-0.17
		2462	1	-0.16
			2	-0.46
802.11n (HT40)	MIMO	2422	1	-5.82
			2	-2.46
		2437	1	-3.54
			2	-3.44
		2452	1	-3.22
			2	-1.39

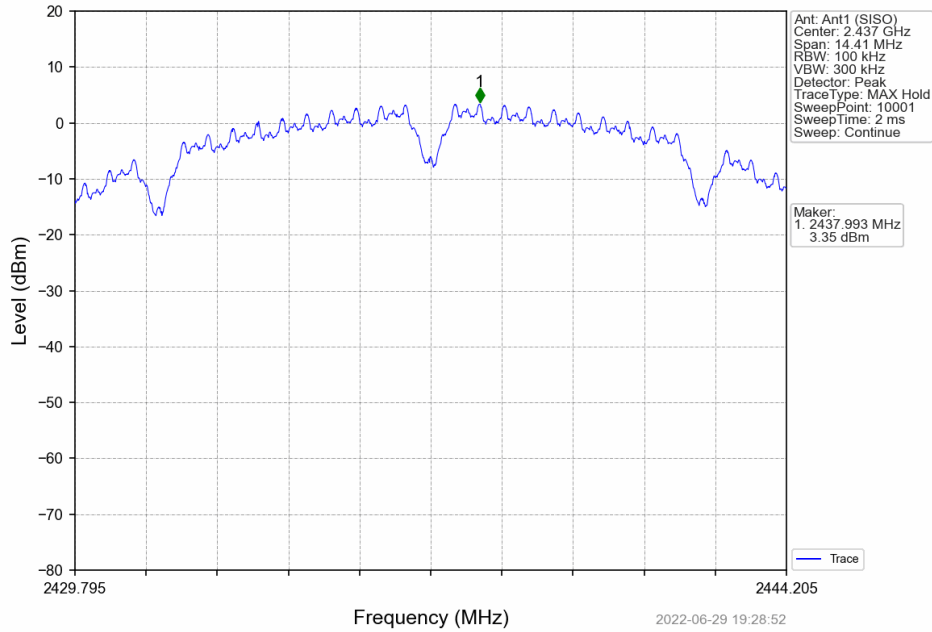
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

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.

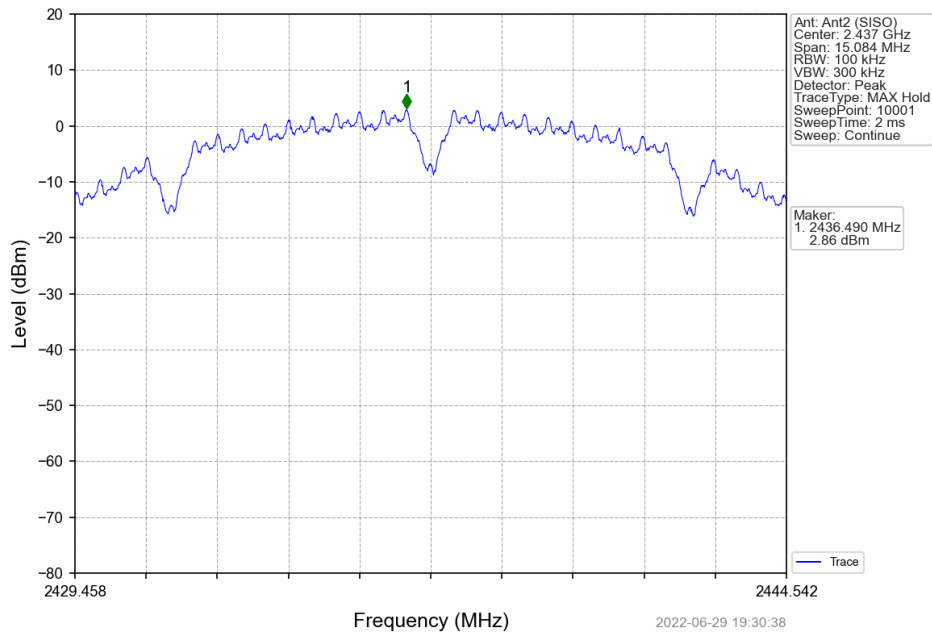
5.1.2 Test Graph



802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



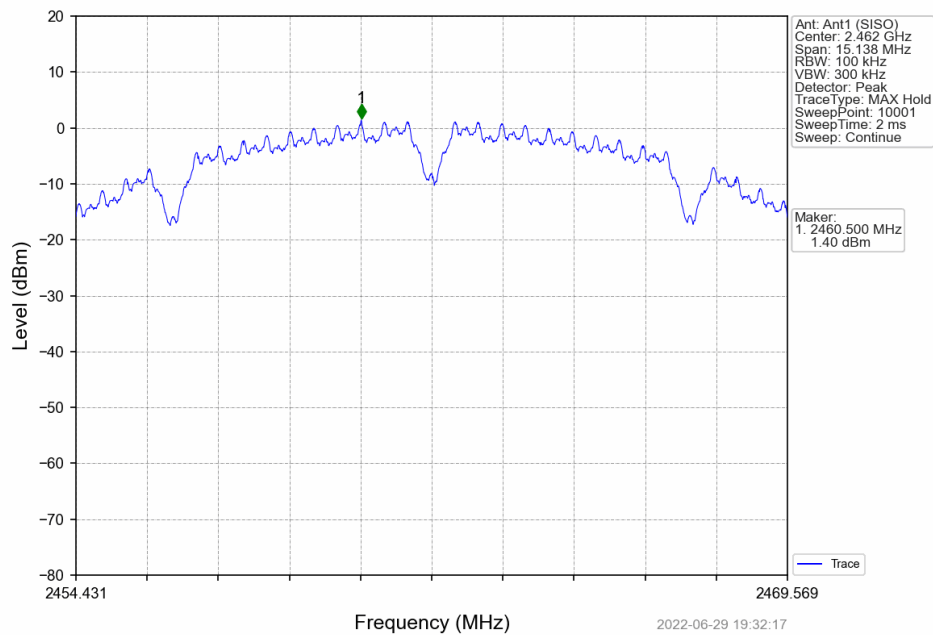
802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV



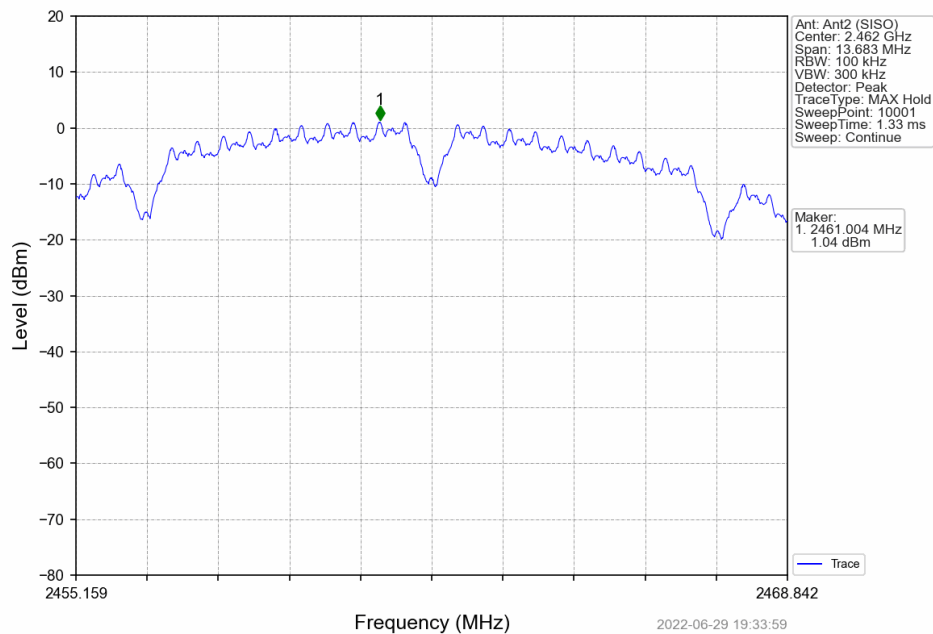
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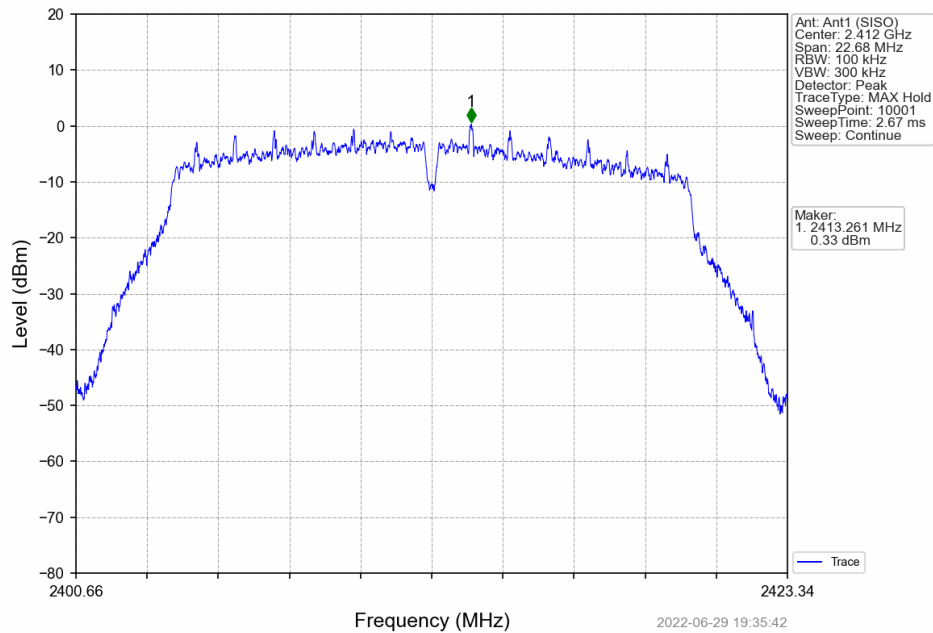
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



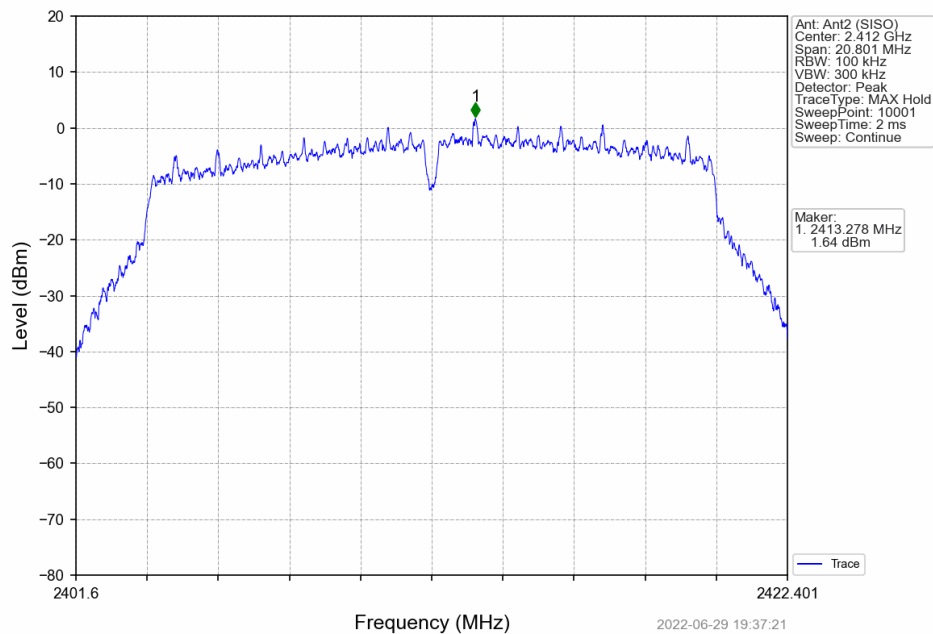
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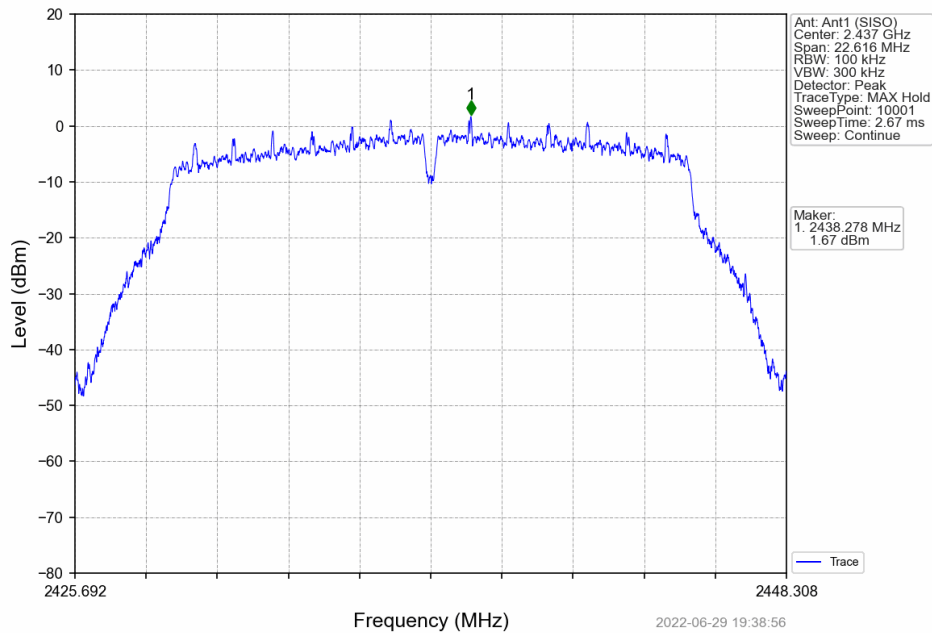
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



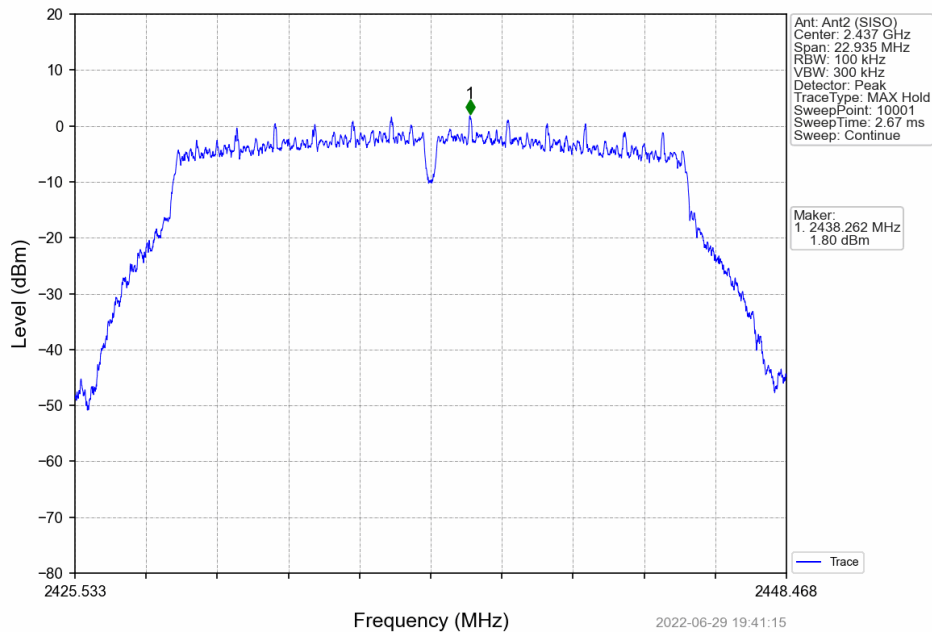
802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV



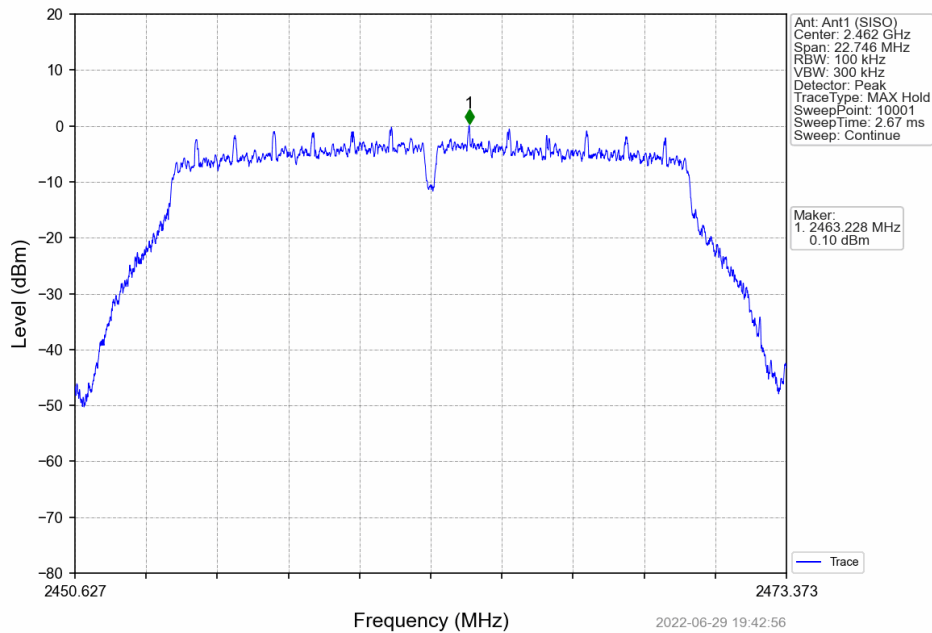
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



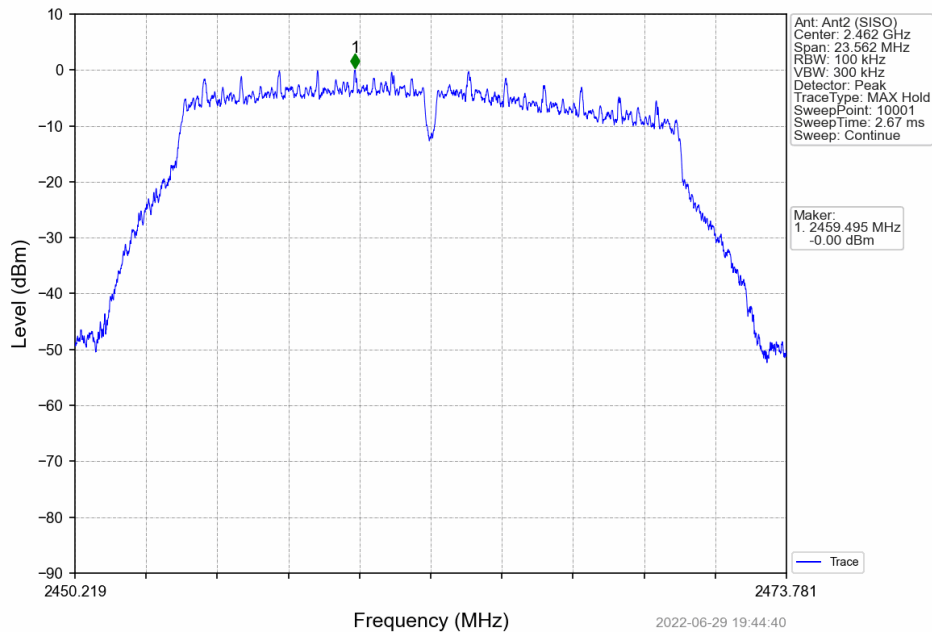
802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV



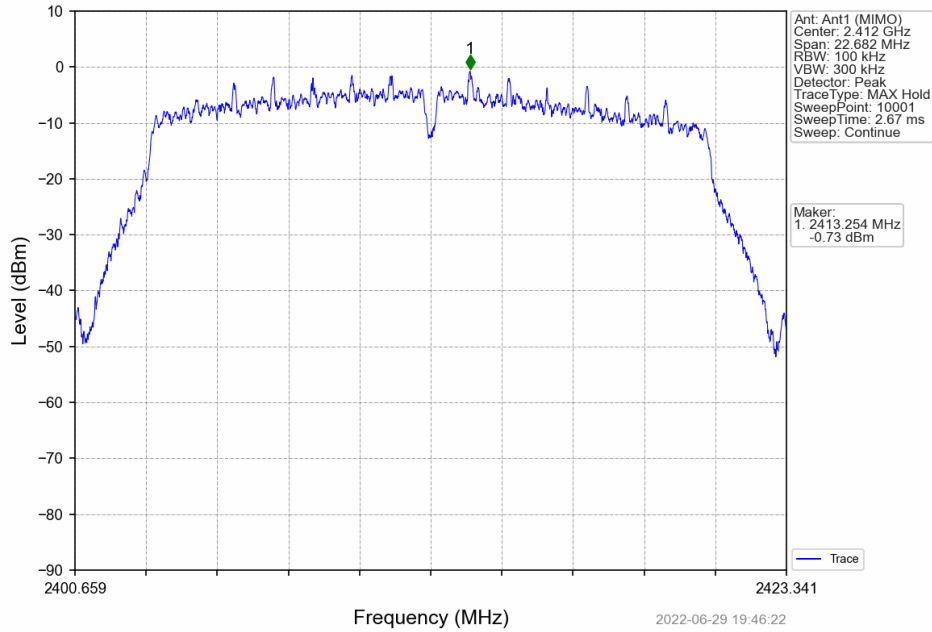
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



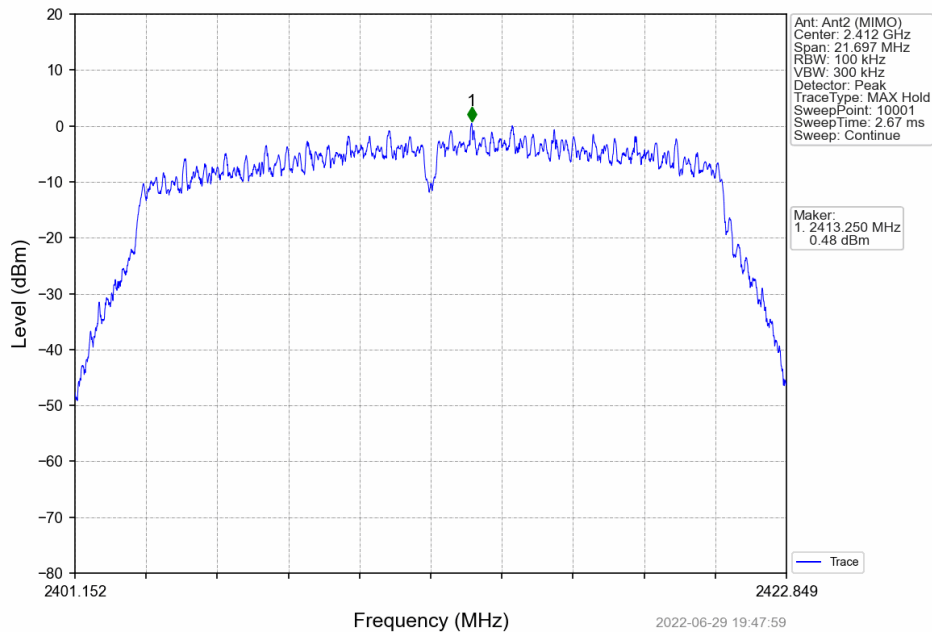
802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV



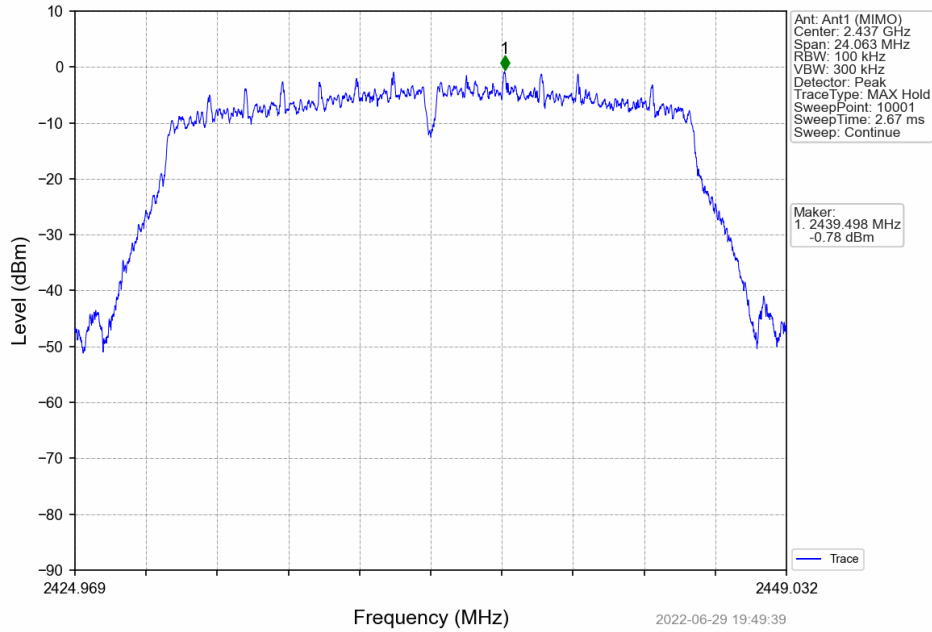
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



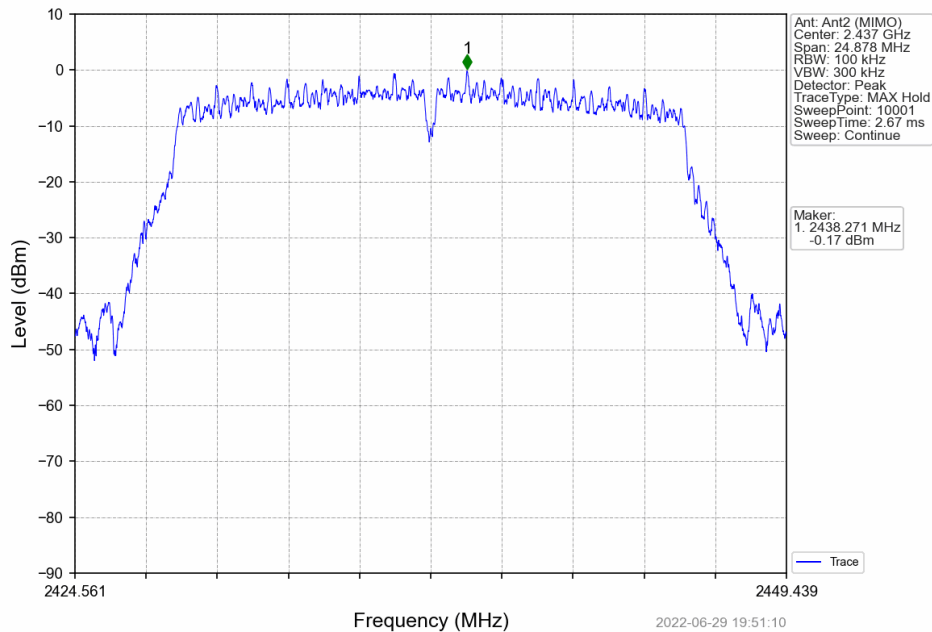
802.11n(HT20)_LCH_2412MHz_Ant2 (MIMO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV

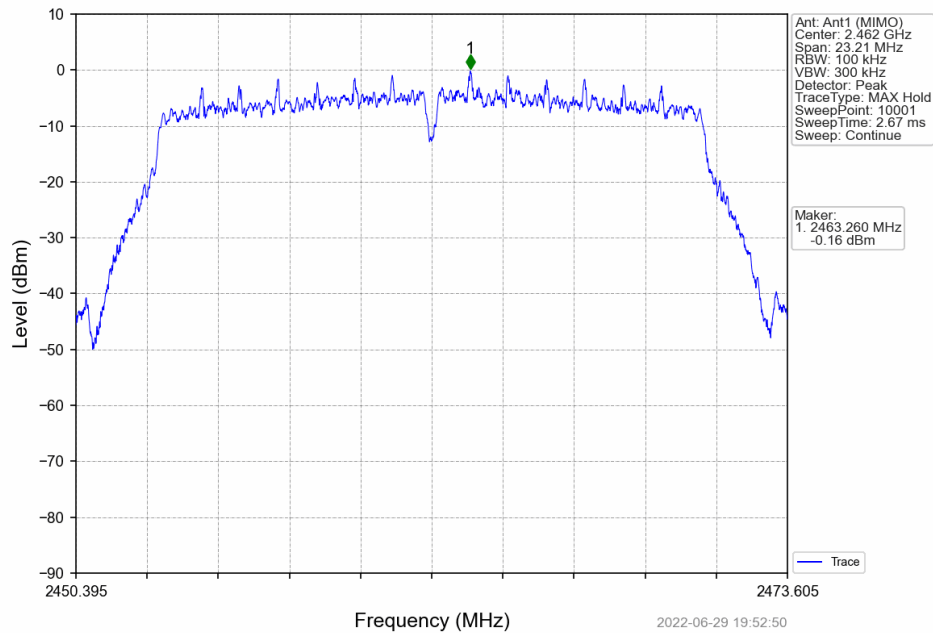


802.11n(HT20)_MCH_2437MHz_Ant2 (MIMO)_NTNV

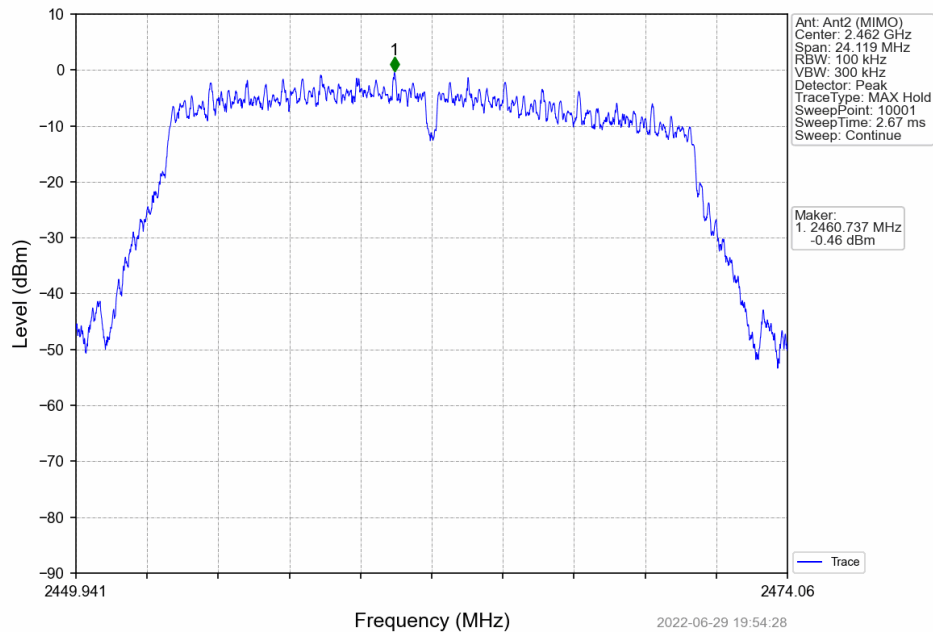


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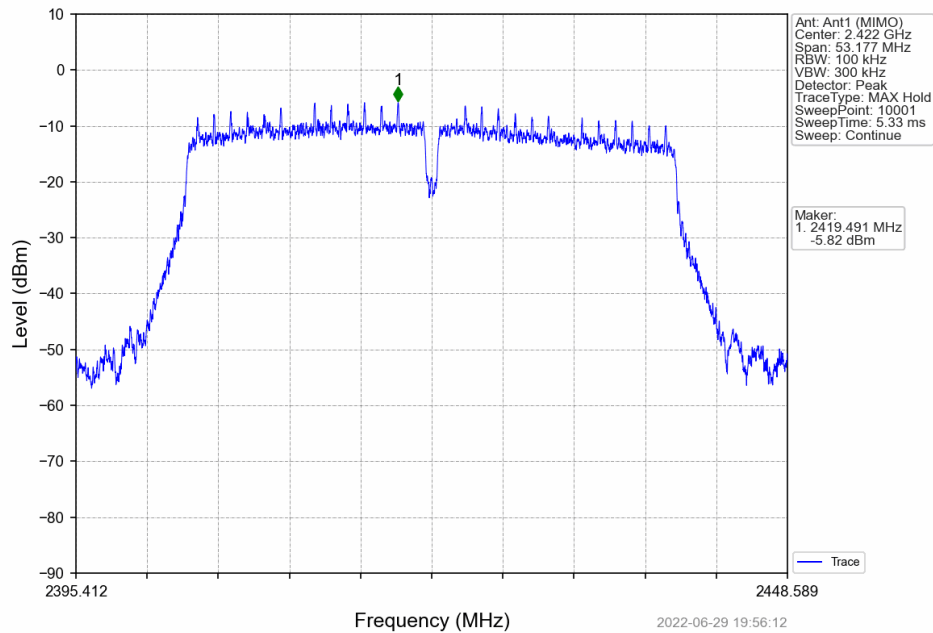
802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



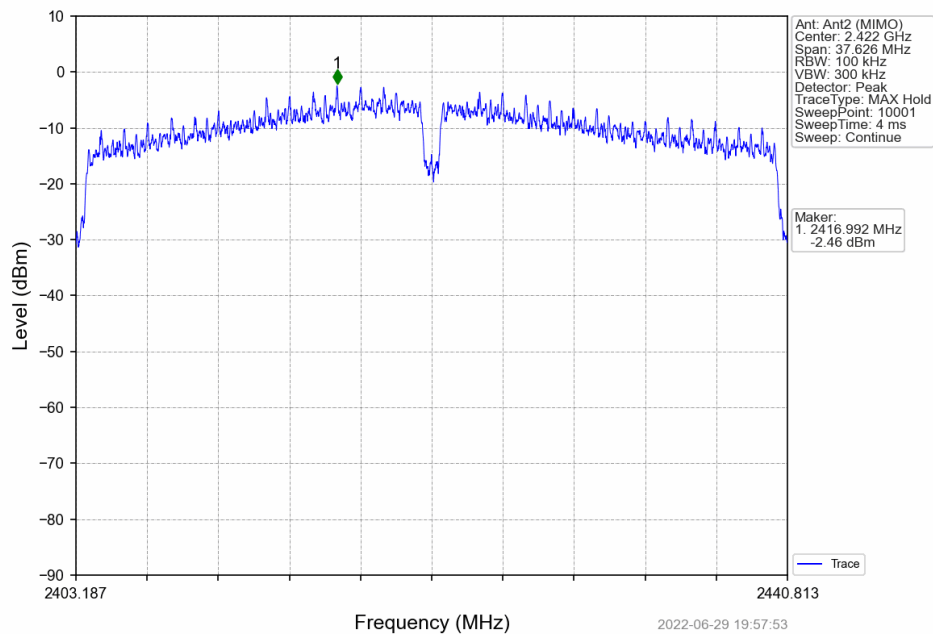
802.11n(HT20)_HCH_2462MHz_Ant2 (MIMO)_NTNV



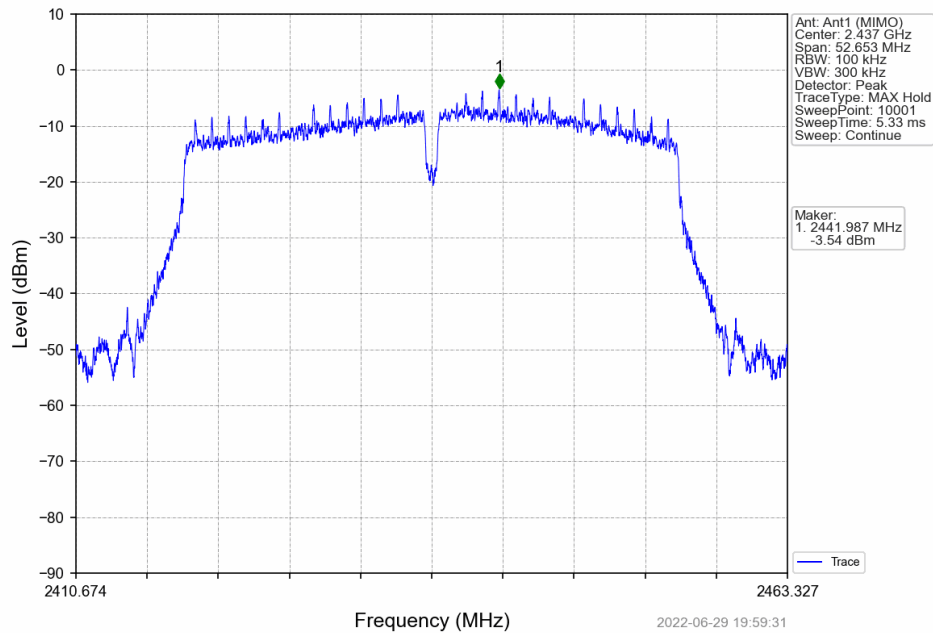
802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



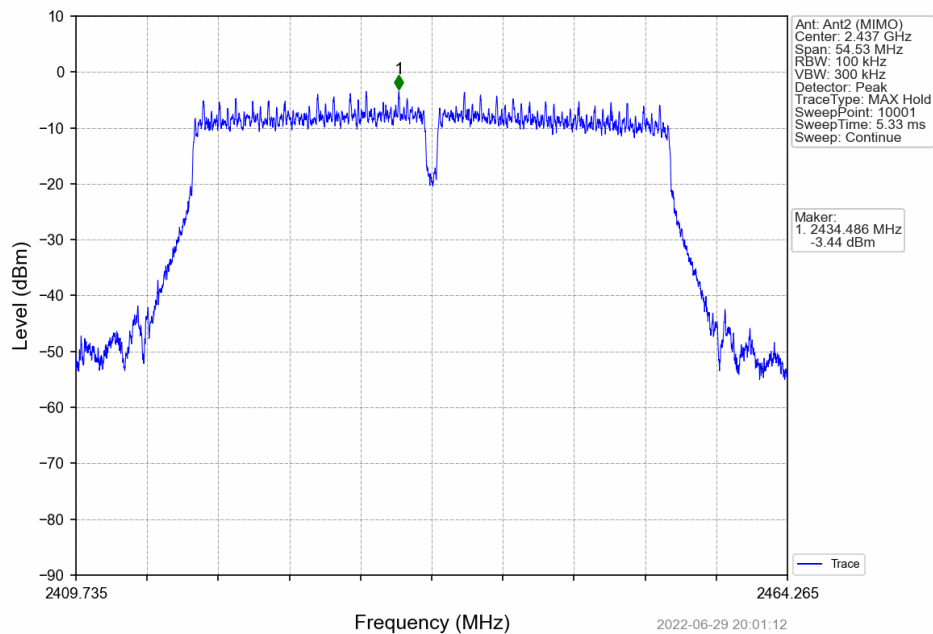
802.11n(HT40)_LCH_2422MHz_Ant2 (MIMO)_NTNV



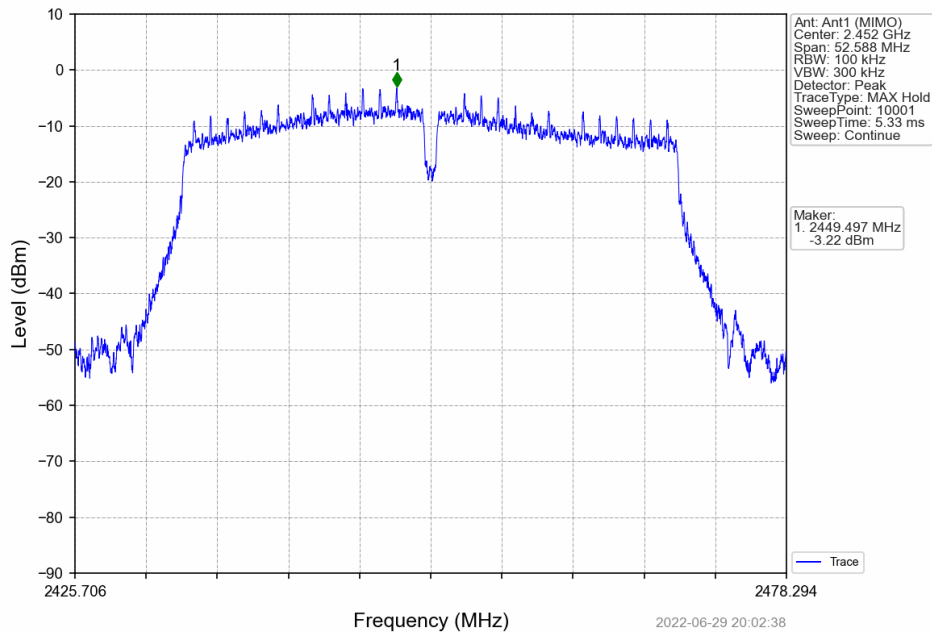
802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



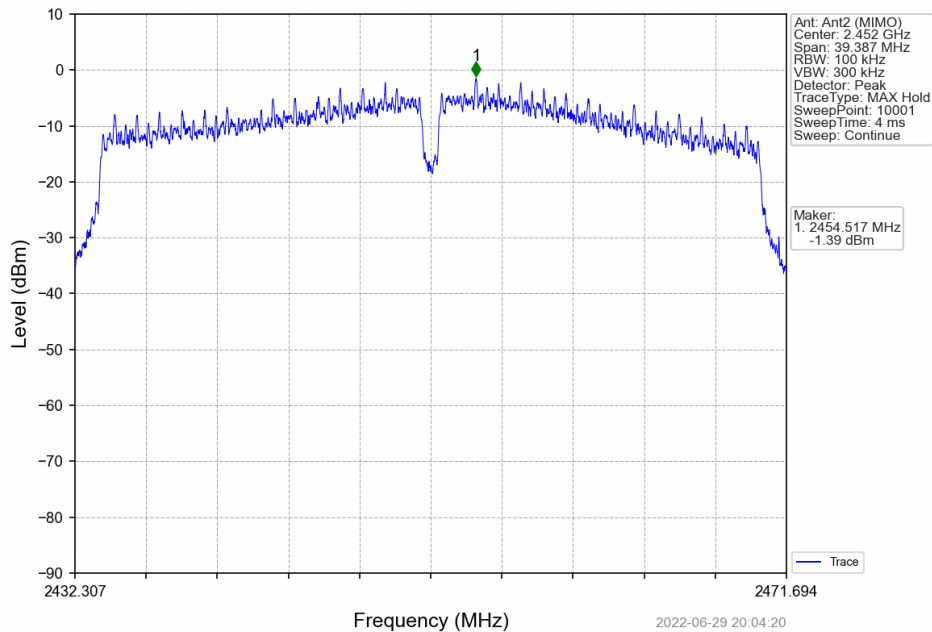
802.11n(HT40)_MCH_2437MHz_Ant2 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant2 (MIMO)_NTNV



5.2 CSE

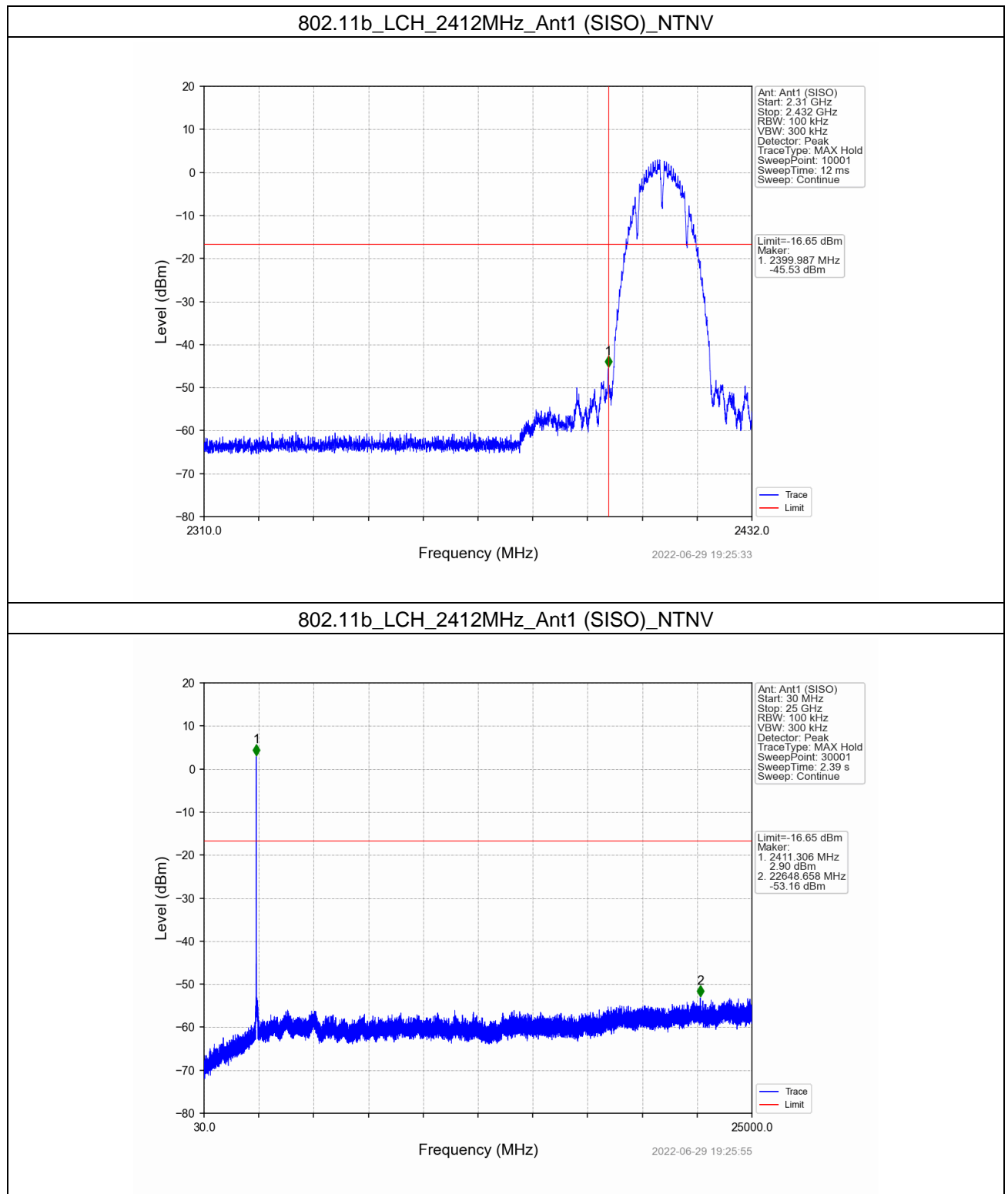
5.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	3.35	-16.65	Pass
			2	3.05	-16.95	Pass
		2437	1	3.35	-16.65	Pass
			2	3.05	-16.95	Pass
		2462	1	3.35	-16.65	Pass
			2	3.05	-16.95	Pass
802.11g	SISO	2412	1	1.67	-18.33	Pass
			2	1.80	-18.20	Pass
		2437	1	1.67	-18.33	Pass
			2	1.80	-18.20	Pass
		2462	1	1.67	-18.33	Pass
			2	1.80	-18.20	Pass
802.11n (HT20)	MIMO	2412	1	-0.16	-20.16	Pass
			2	0.48	-19.52	Pass
		2437	1	-0.16	-20.16	Pass
			2	0.48	-19.52	Pass
		2462	1	-0.16	-20.16	Pass
			2	0.48	-19.52	Pass
802.11n (HT40)	MIMO	2422	1	-3.22	-23.22	Pass
			2	-1.39	-21.39	Pass
		2437	1	-3.22	-23.22	Pass
			2	-1.39	-21.39	Pass
		2452	1	-3.22	-23.22	Pass
			2	-1.39	-21.39	Pass

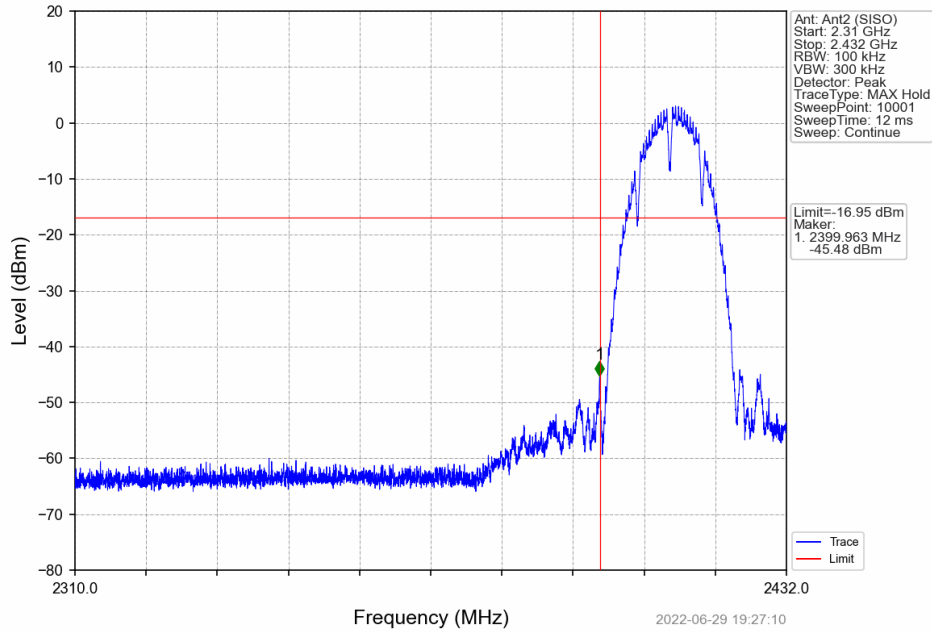
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

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.

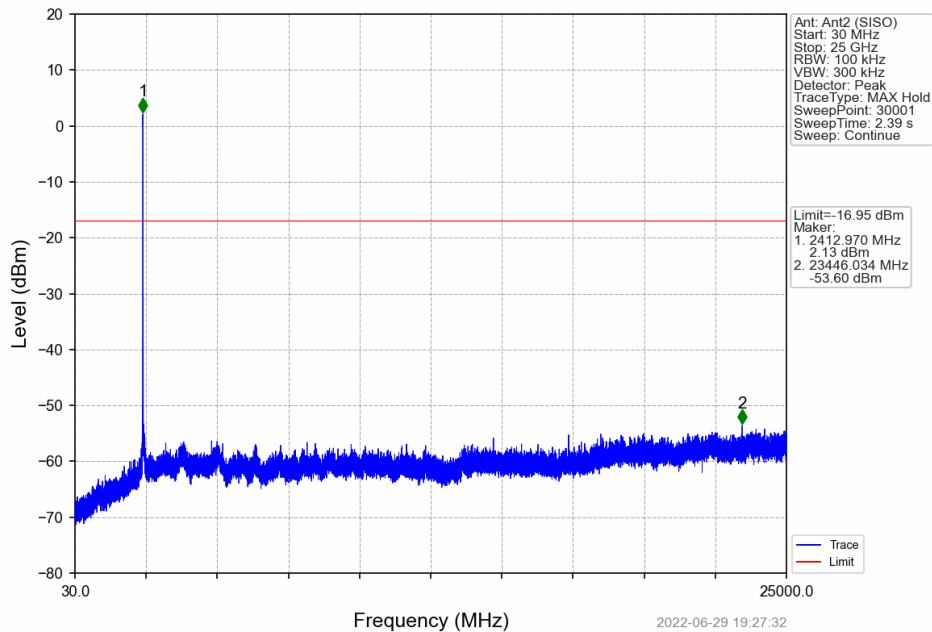
5.2.2 Test Graph



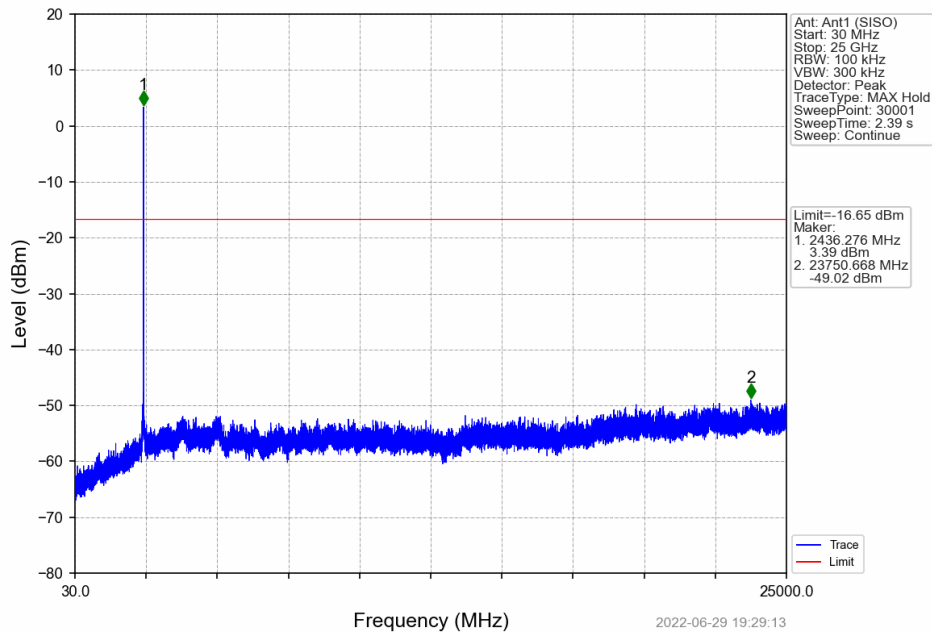
802.11b_LCH_2412MHz_Ant2 (SISO)_NTNV



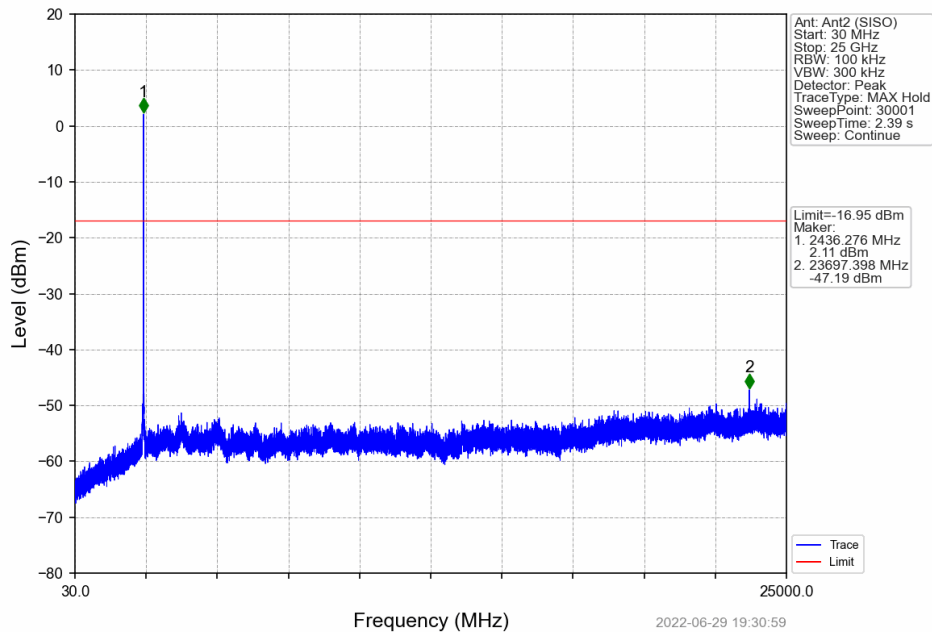
802.11b_LCH_2412MHz_Ant2 (SISO)_NTNV



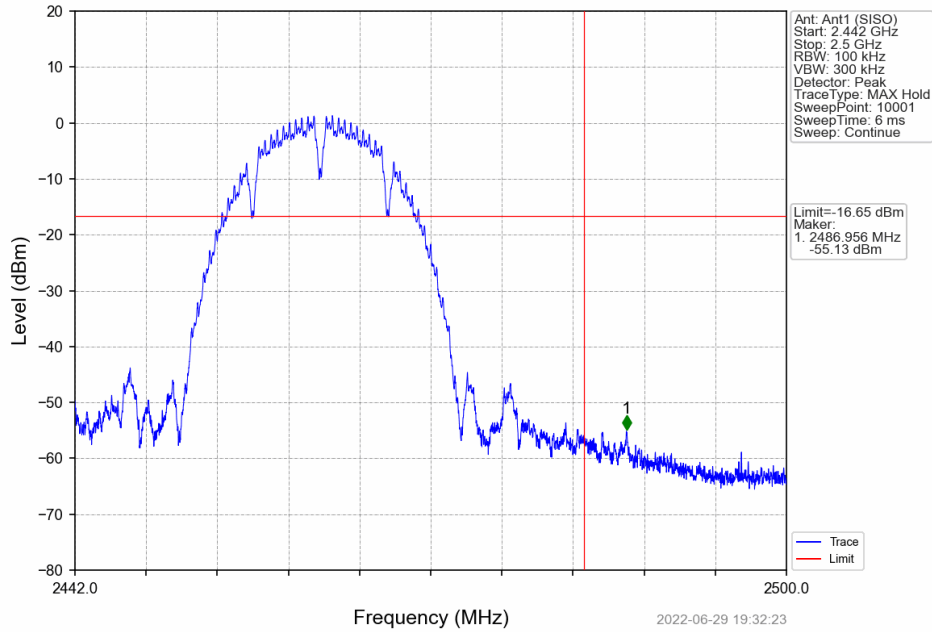
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



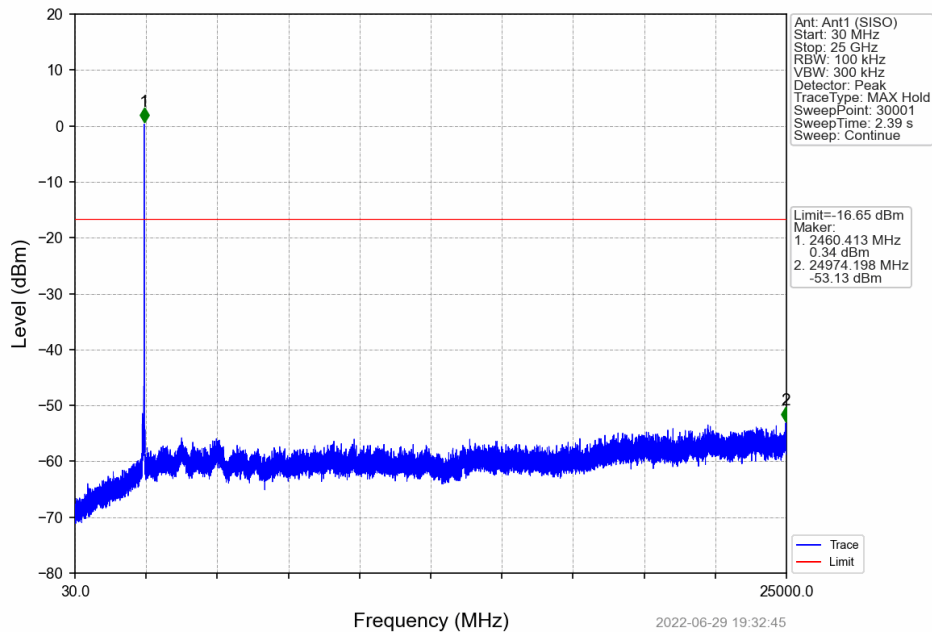
802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV



802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV

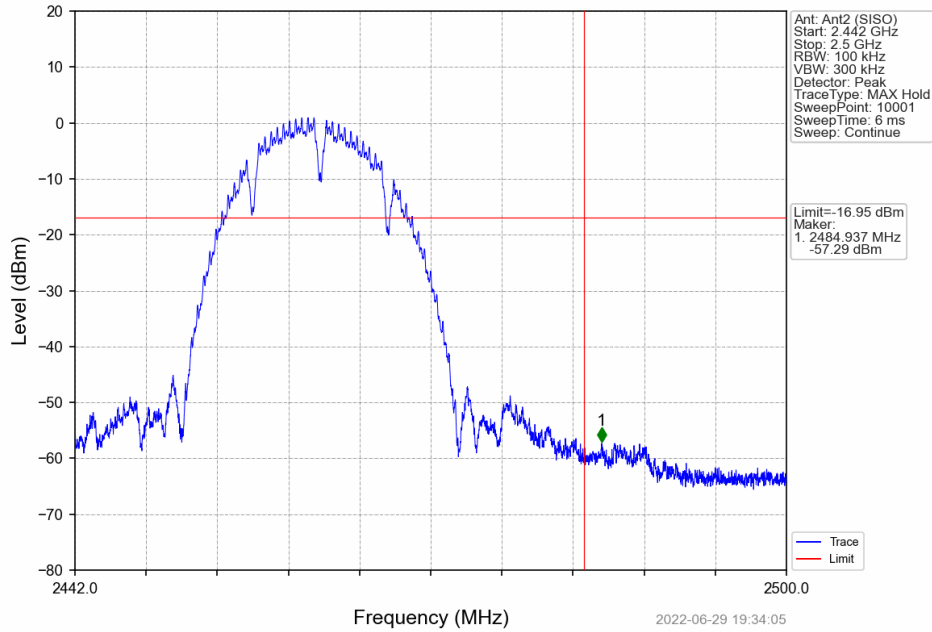


802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV

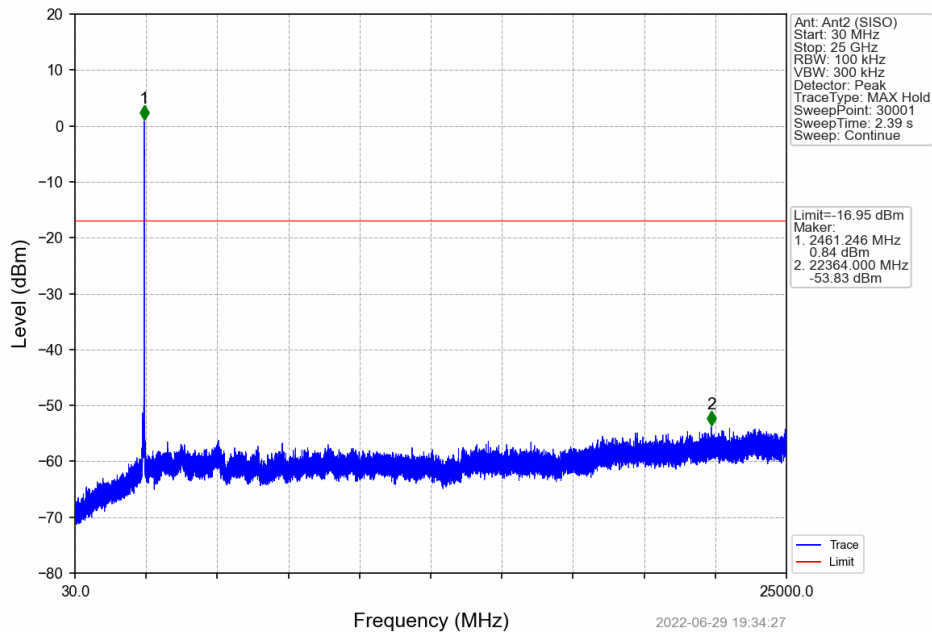


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802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV

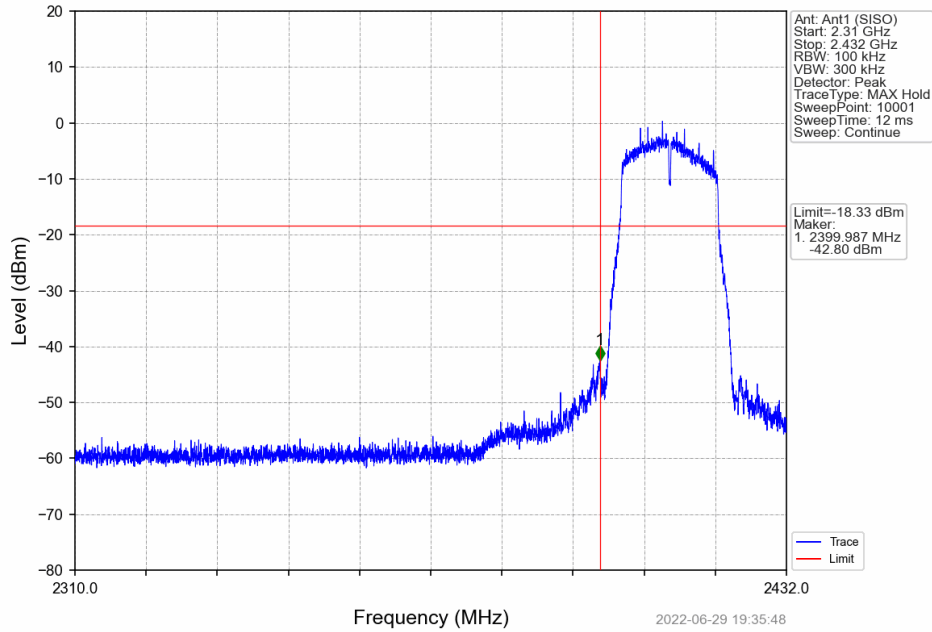


802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV

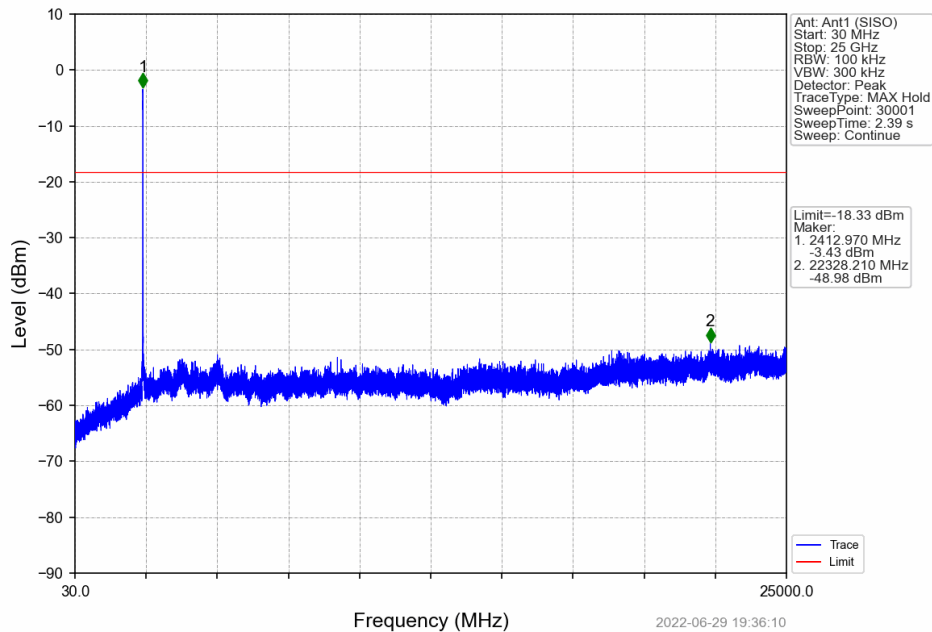


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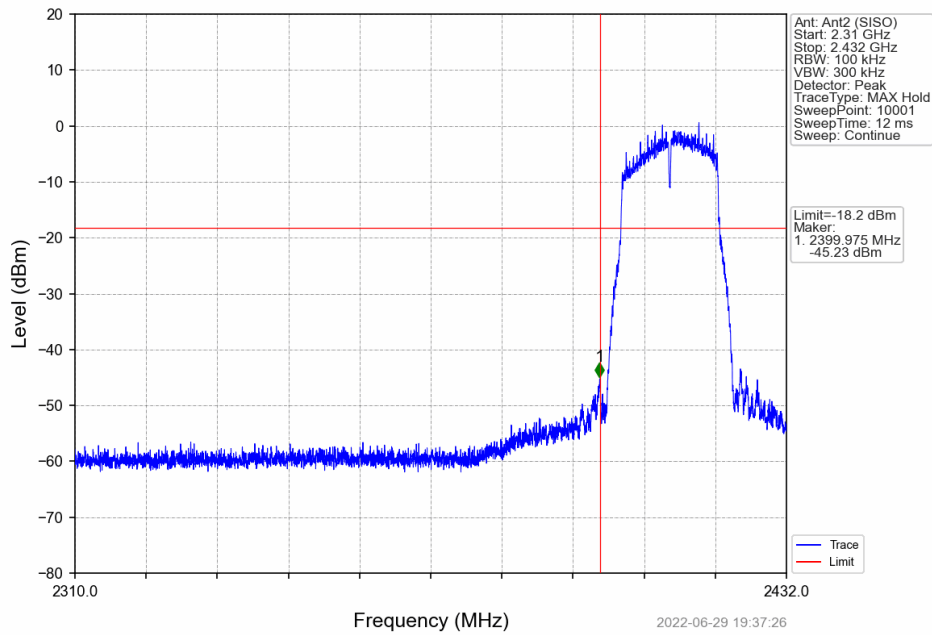
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



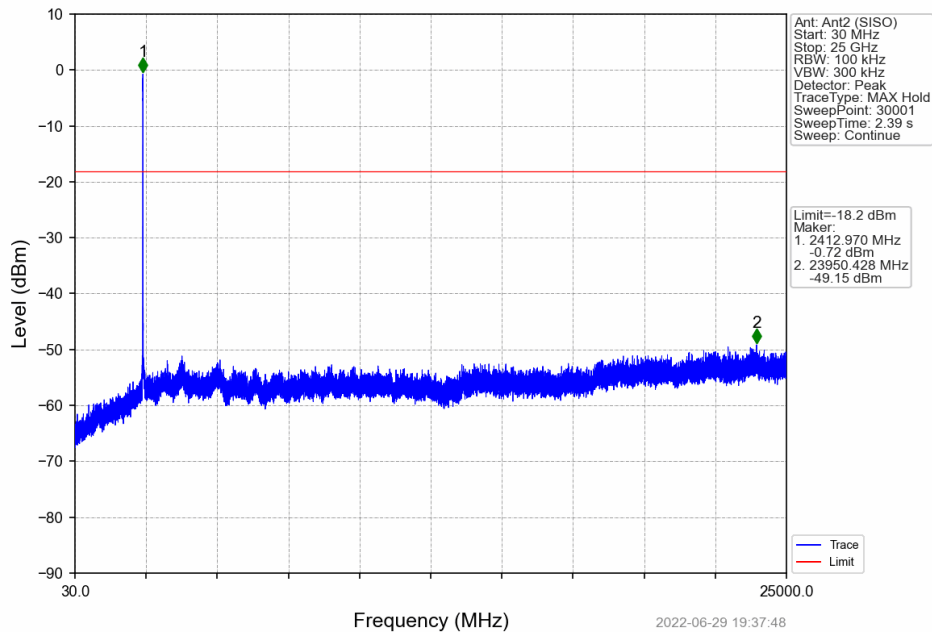
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



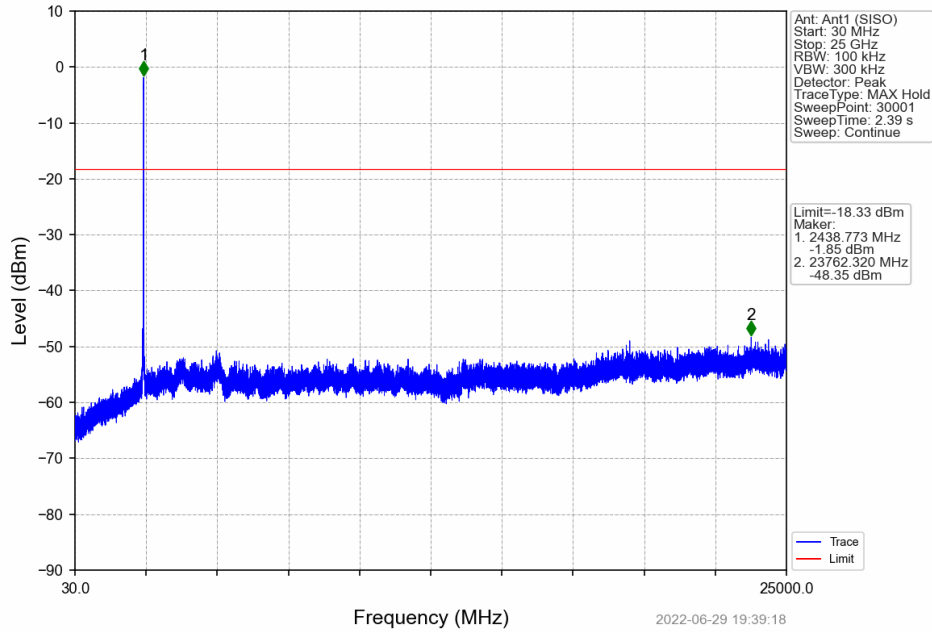
802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV



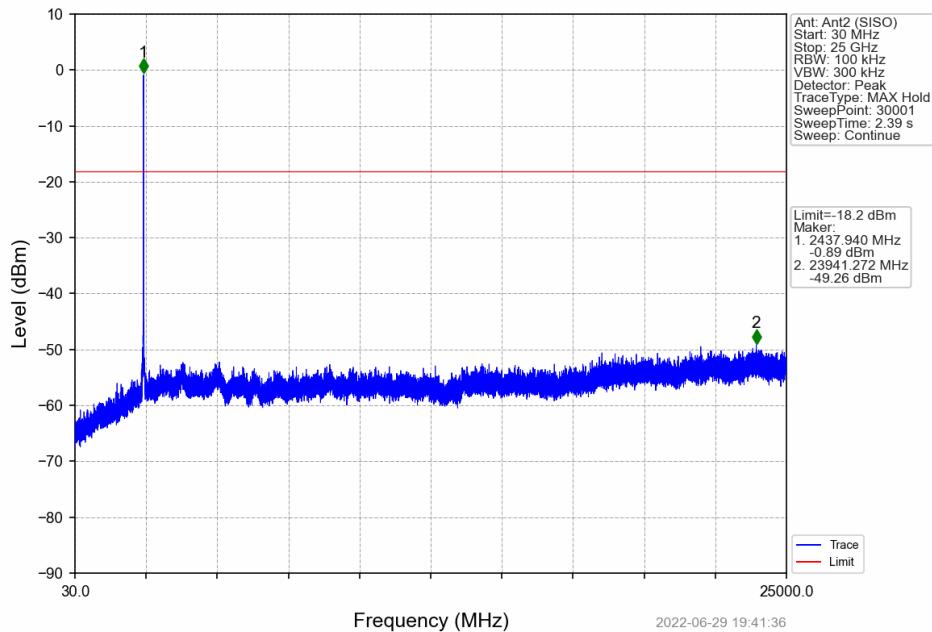
802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV



802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV

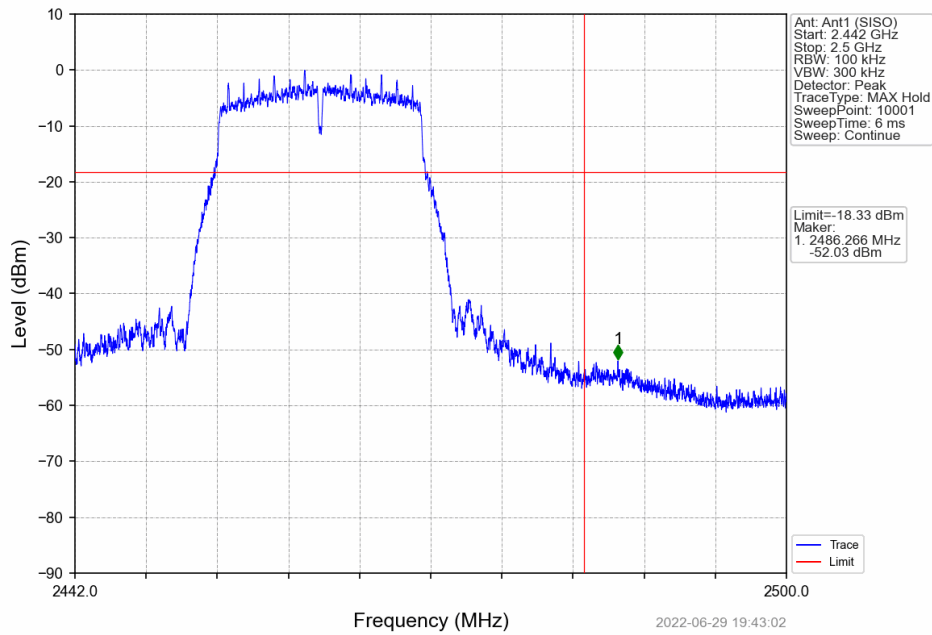


802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV

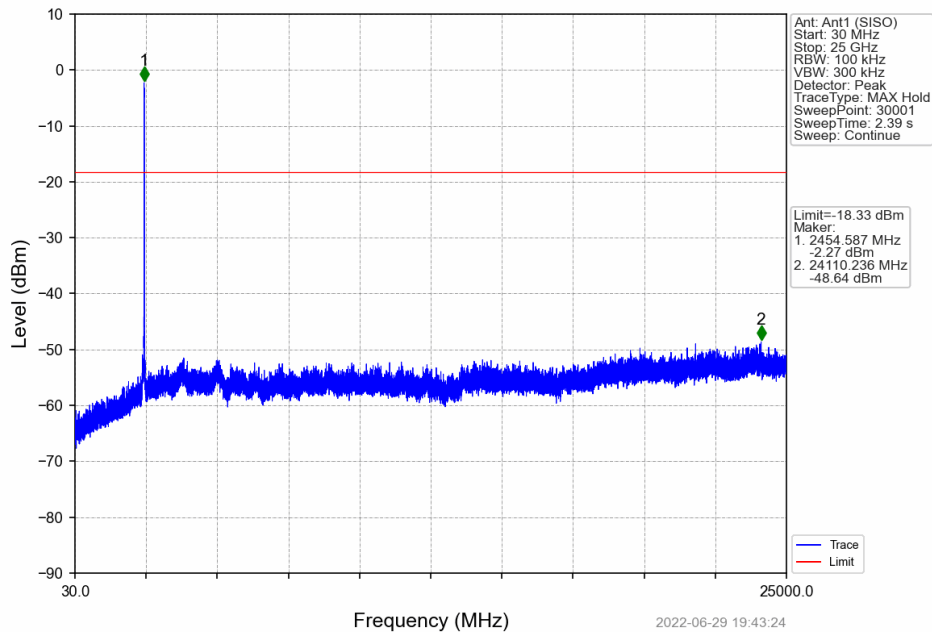


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802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

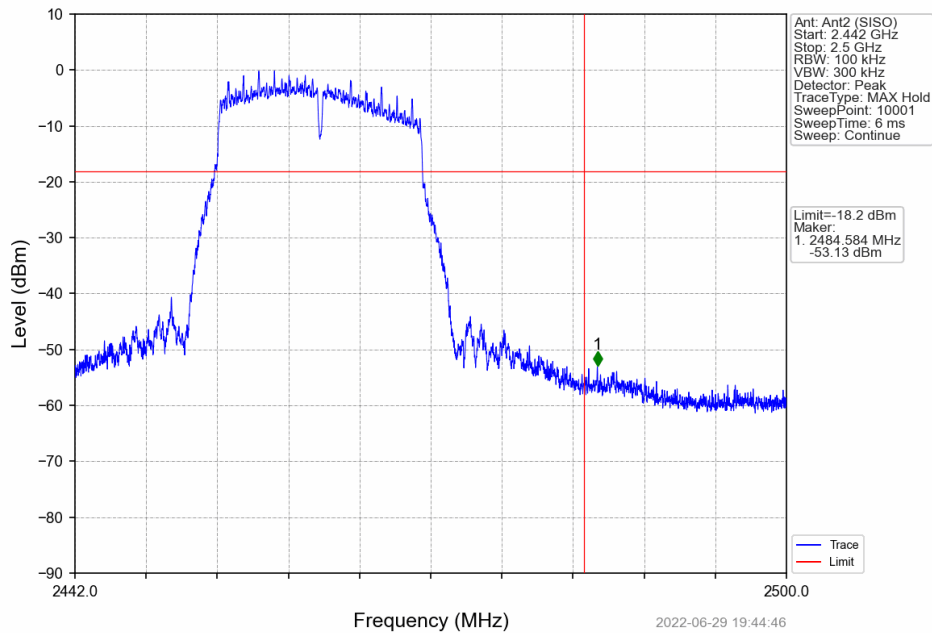


802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

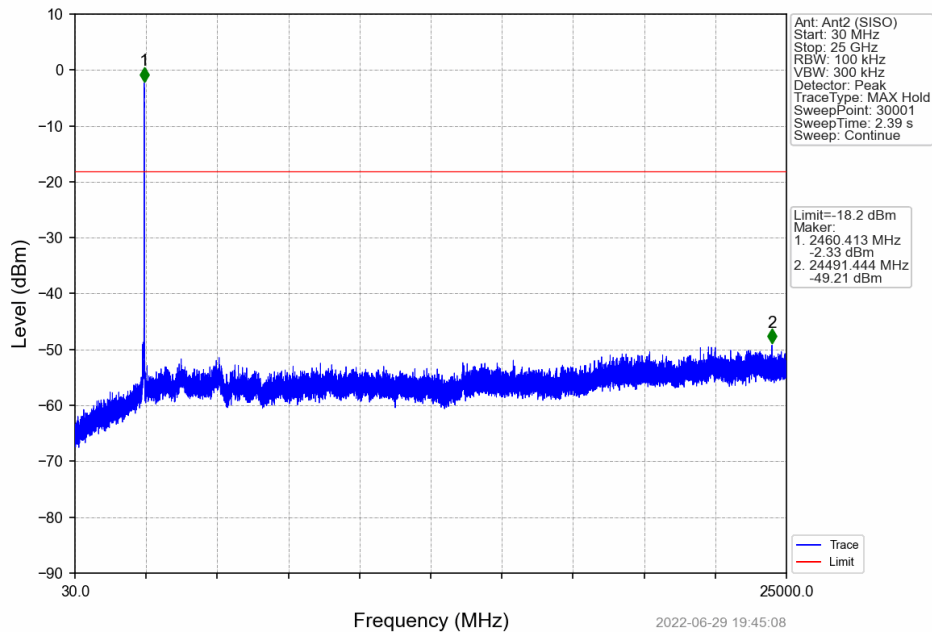


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802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV

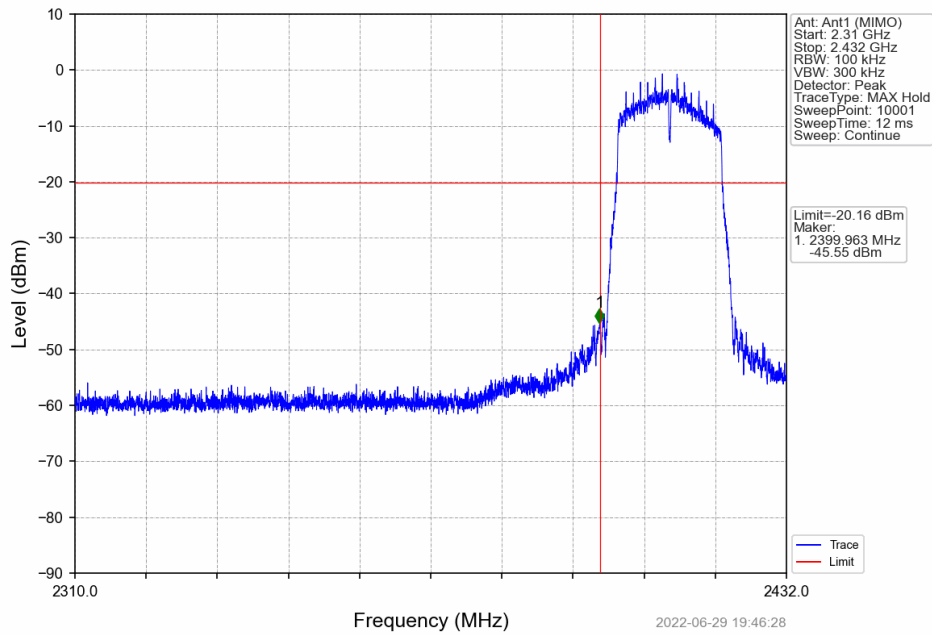


802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV

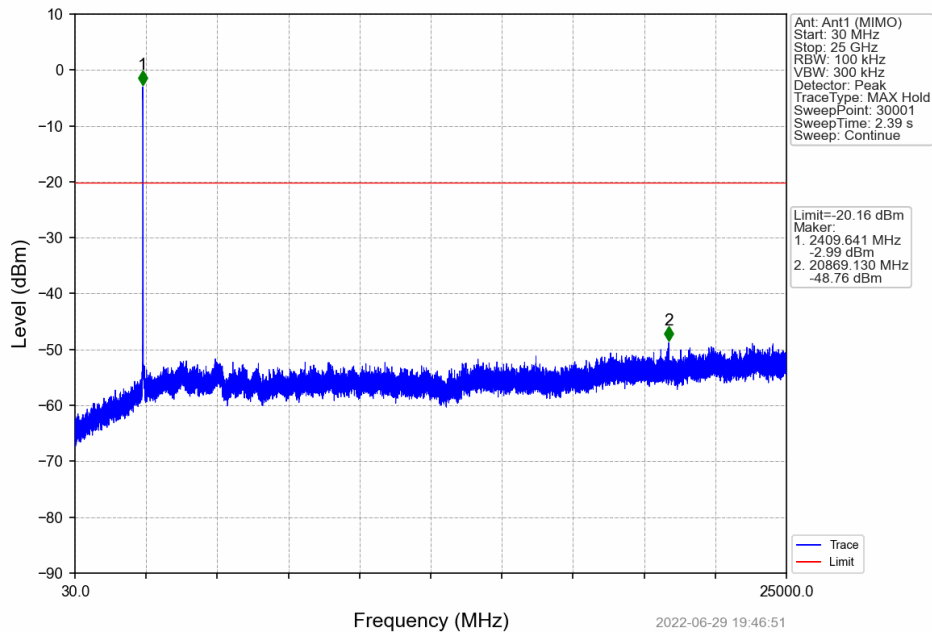


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802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



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