

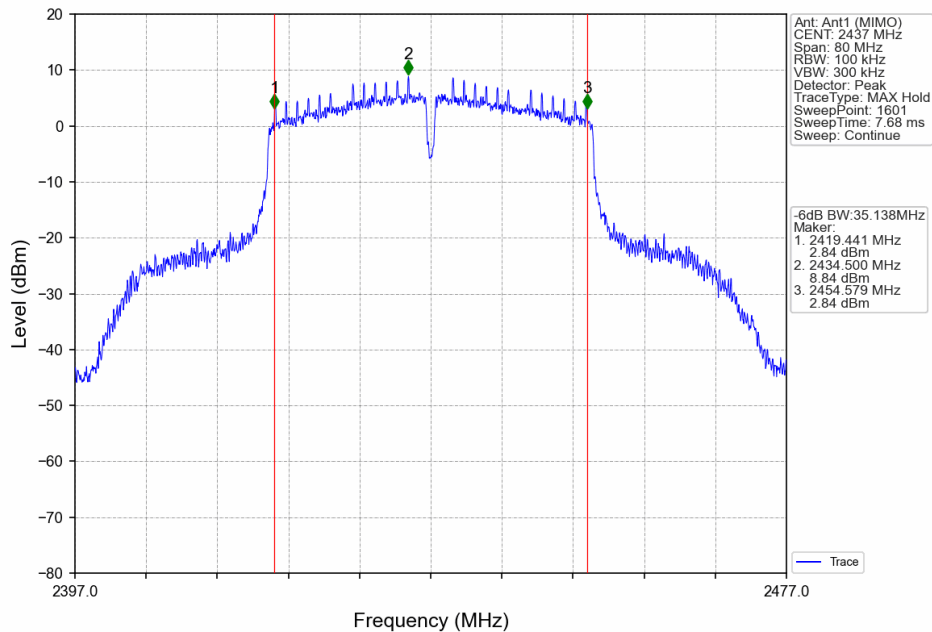
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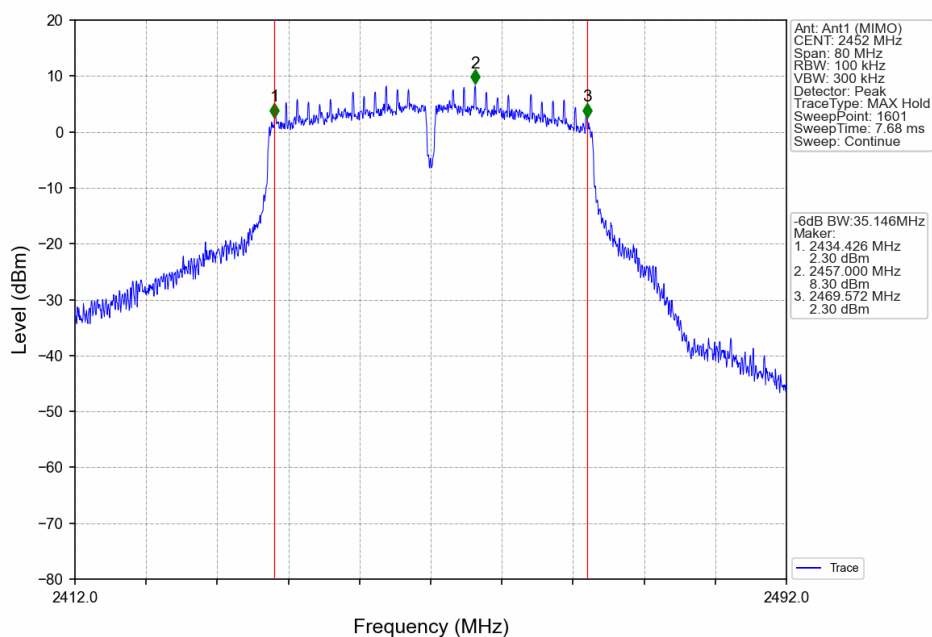
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802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



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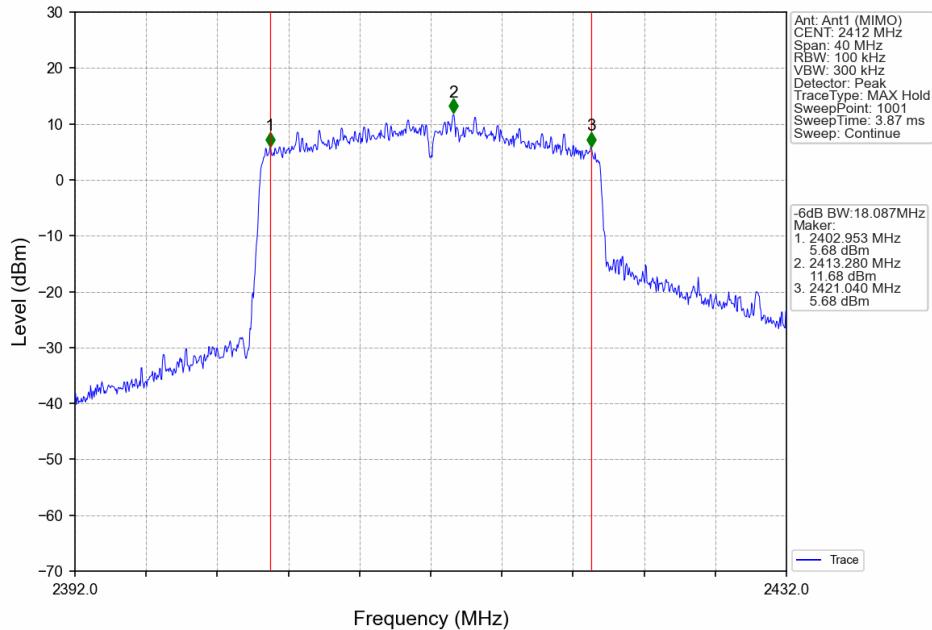
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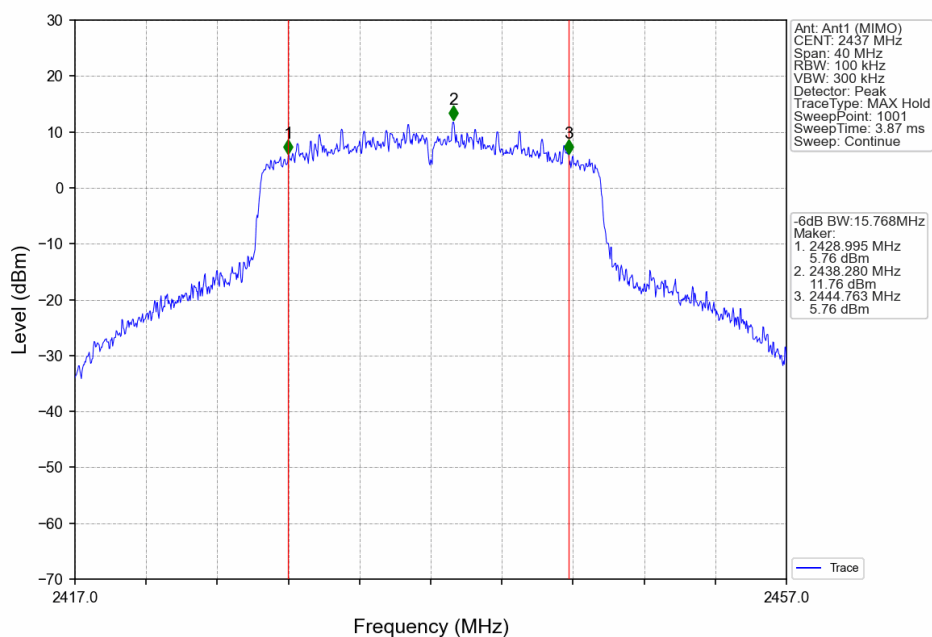
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802.11ax(HEW20)_LCH_2412MHz_RU242_Left_Ant1 (MIMO)_NTNV



802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant1 (MIMO)_NTNV



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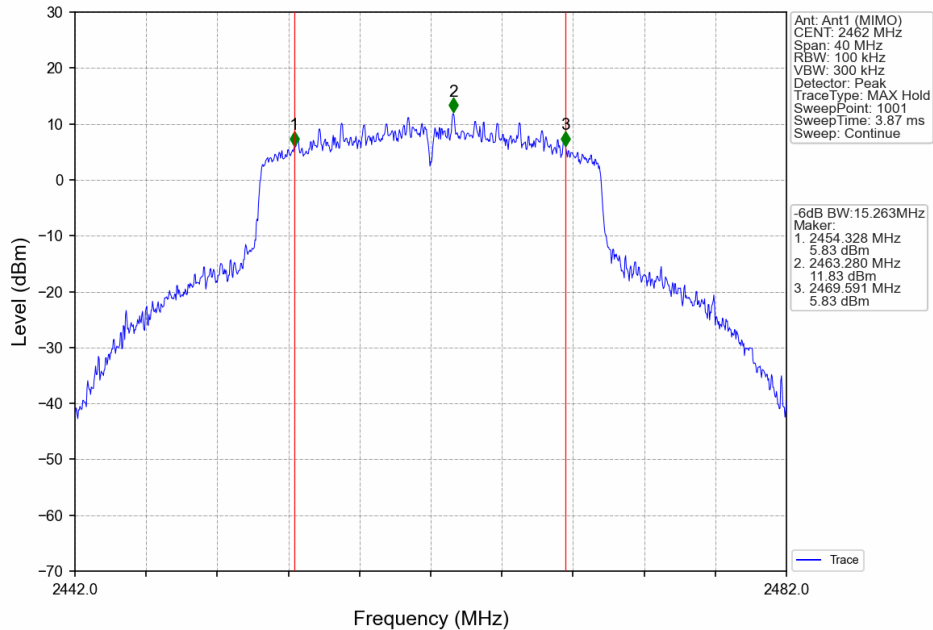
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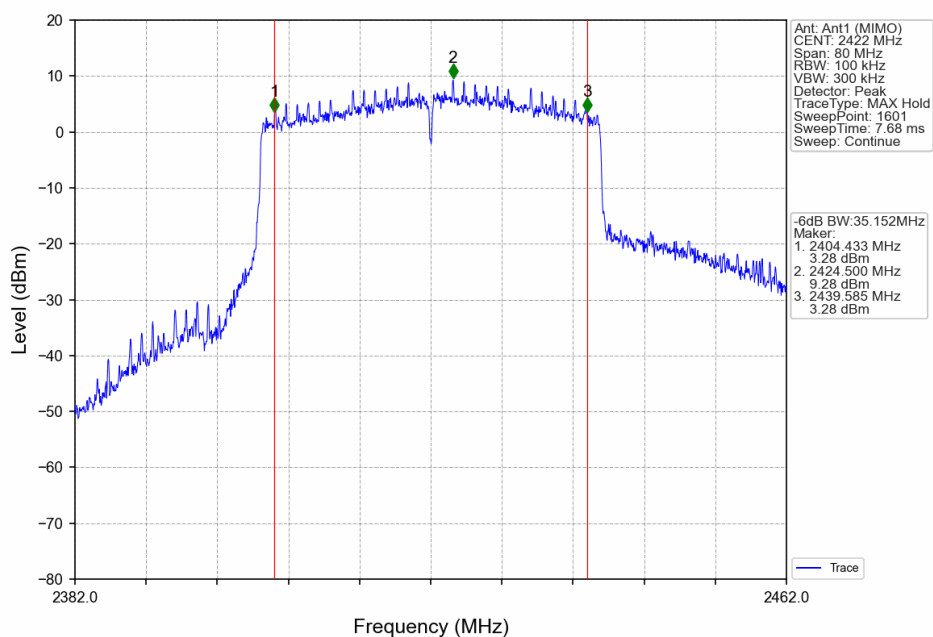
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802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant1 (MIMO)_NTNV



802.11ax(HEW40)_LCH_2422MHz_RU484_Left_Ant1 (MIMO)_NTNV



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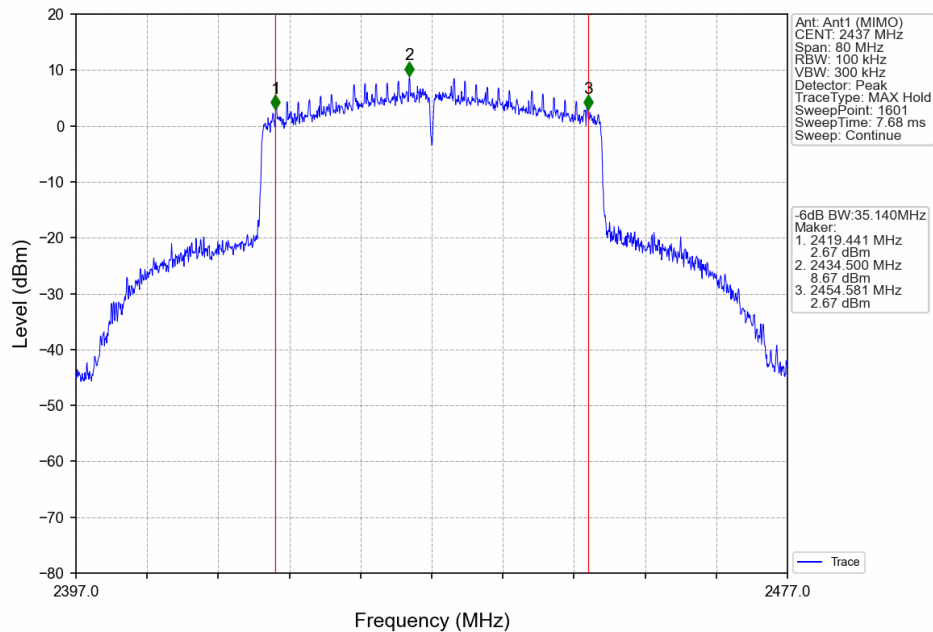
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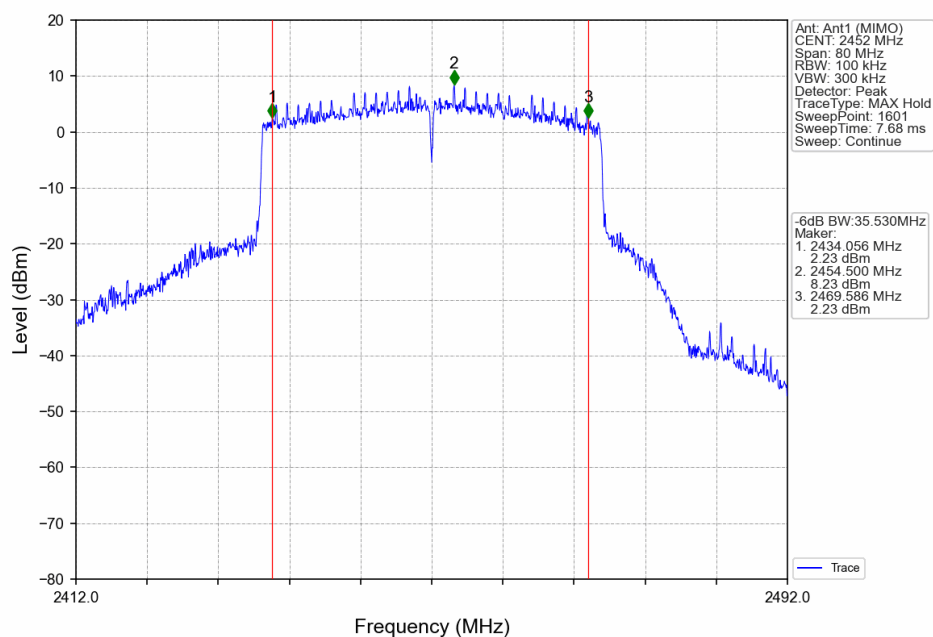
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802.11ax(HEW40)_MCH_2437MHz_RU484_Left_Ant1 (MIMO)_NTNV



802.11ax(HEW40)_HCH_2452MHz_RU484_Left_Ant1 (MIMO)_NTNV



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3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)				Verdict
					ANT1	ANT2	MIMO	Limit	
802.11b	MIMO	2412	/	/	25.30	24.44	27.90	<=30	Pass
		2437	/	/	25.28	24.15	27.76	<=30	Pass
		2462	/	/	25.14	24.01	27.62	<=30	Pass
802.11g	MIMO	2412	/	/	23.64	22.55	26.14	<=30	Pass
		2437	/	/	23.59	22.65	26.16	<=30	Pass
		2462	/	/	23.53	22.62	26.11	<=30	Pass
802.11n (HT20)	MIMO	2412	/	/	23.90	22.63	26.32	<=30	Pass
		2437	/	/	23.81	22.81	26.35	<=30	Pass
		2462	/	/	23.81	22.80	26.34	<=30	Pass
802.11n (HT40)	MIMO	2422	/	/	24.20	22.86	26.59	<=30	Pass
		2437	/	/	23.62	22.62	26.16	<=30	Pass
		2452	/	/	23.60	22.77	26.22	<=30	Pass
802.11ax (HEW20)	MIMO	2412	RU242	Left	23.89	22.69	26.34	<=30	Pass
		2437	RU242	Left	23.70	22.73	26.25	<=30	Pass
		2462	RU242	Left	23.71	22.82	26.30	<=30	Pass
802.11ax (HEW40)	MIMO	2422	RU484	Left	24.18	22.86	26.58	<=30	Pass
		2437	RU484	Left	23.61	22.45	26.08	<=30	Pass
		2452	RU484	Left	23.65	22.83	26.27	<=30	Pass
Note1: Antenna Gain: Ant1: 4.38dBi; Ant2: 3.20dBi; Note2: Directional Gain: 4.38dBi									



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4. Maximum Power Spectral Density

4.1 PSD

4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/3kHz)				Verdict
					ANT1	ANT2	MIMO	Limit	
802.11b	MIMO	2412	/	/	2.87	3.19	5.14	<=8	Pass
		2437	/	/	2.71	1.52	3.94	<=8	Pass
		2462	/	/	3.42	1.48	4.52	<=8	Pass
802.11g	MIMO	2412	/	/	-0.93	-2.35	0.58	<=8	Pass
		2437	/	/	-1.39	-2.26	0.84	<=8	Pass
		2462	/	/	-0.66	-2.25	0.60	<=8	Pass
802.11n (HT20)	MIMO	2412	/	/	-0.56	-2.54	0.69	<=8	Pass
		2437	/	/	-0.26	-1.40	1.15	<=8	Pass
		2462	/	/	-0.80	-0.77	1.18	<=8	Pass
802.11n (HT40)	MIMO	2422	/	/	-3.05	-4.60	-1.13	<=8	Pass
		2437	/	/	-3.75	-4.26	-2.05	<=8	Pass
		2452	/	/	-4.61	-4.65	-2.65	<=8	Pass
802.11ax (HEW20)	MIMO	2412	RU242	Left	-0.07	-2.86	1.76	<=8	Pass
		2437	RU242	Left	-2.15	-3.00	0.08	<=8	Pass
		2462	RU242	Left	-2.53	-2.38	-0.15	<=8	Pass
802.11ax (HEW40)	MIMO	2422	RU484	Left	-5.48	-6.61	-3.49	<=8	Pass
		2437	RU484	Left	-5.59	-6.80	-3.67	<=8	Pass
		2452	RU484	Left	-5.23	-6.11	-2.64	<=8	Pass

Note1: Antenna Gain: Ant1: 4.38dBi; Ant2: 3.20dBi;

Note2: Directional Gain: 4.38dBi



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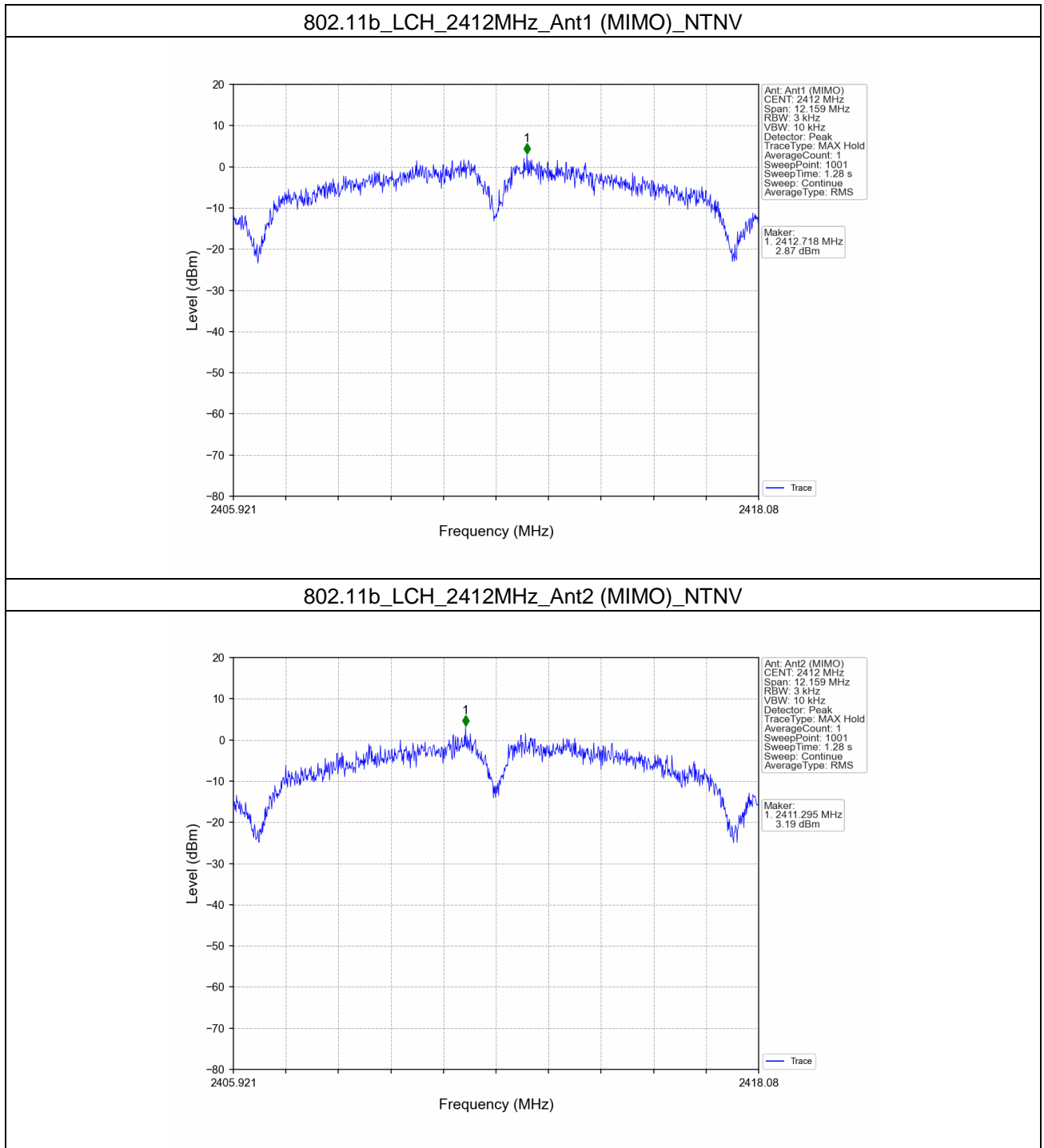
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4.1.2 Test Graph



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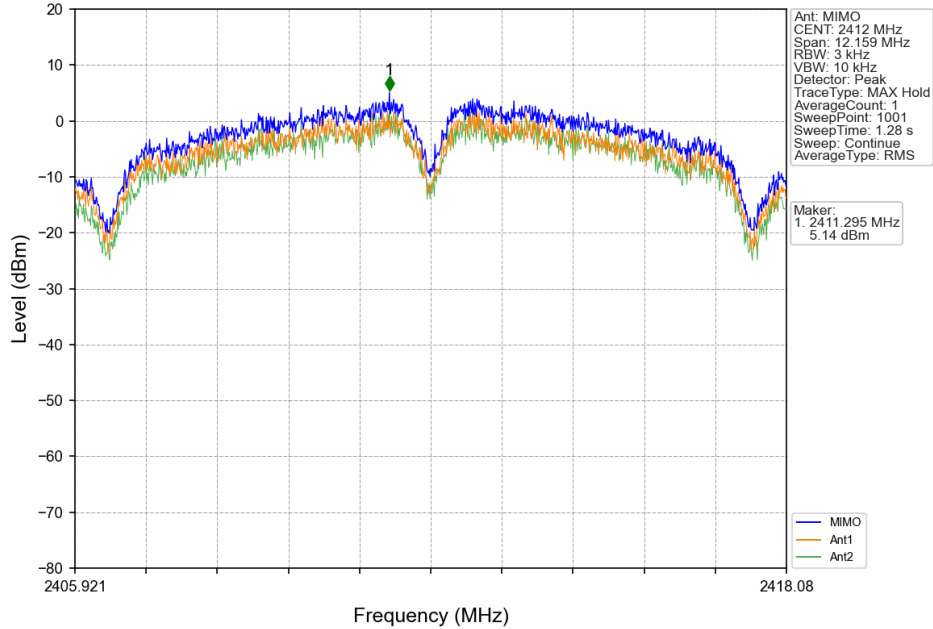
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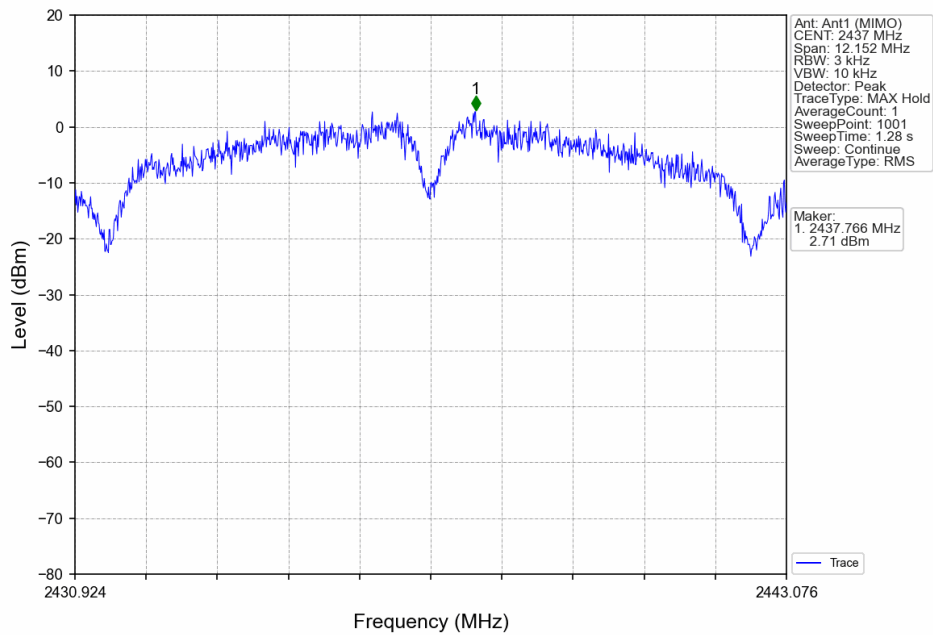
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802.11b_LCH_2412MHz_MIMO_NTNV



802.11b_MCH_2437MHz_Ant1 (MIMO)_NTNV



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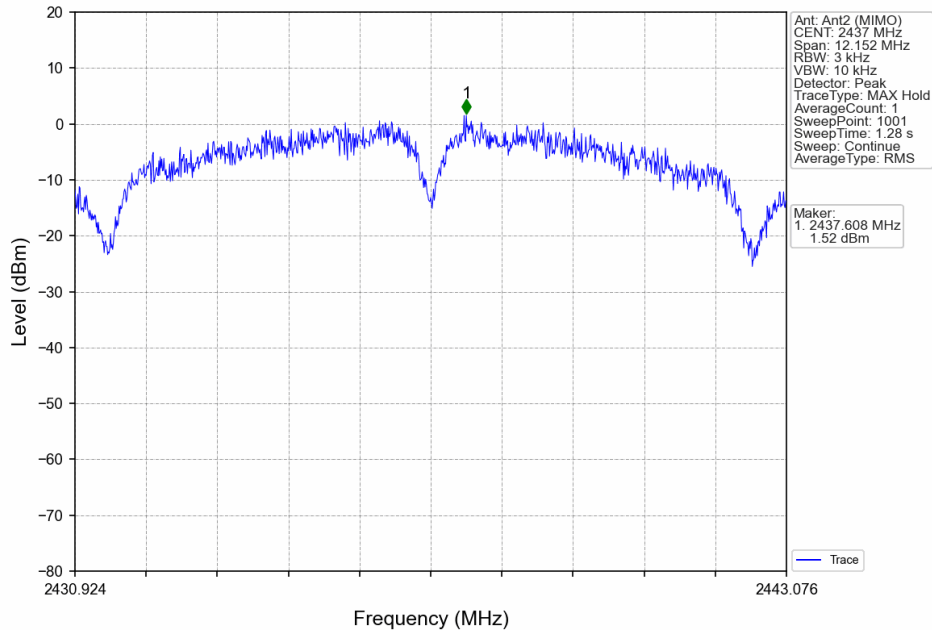
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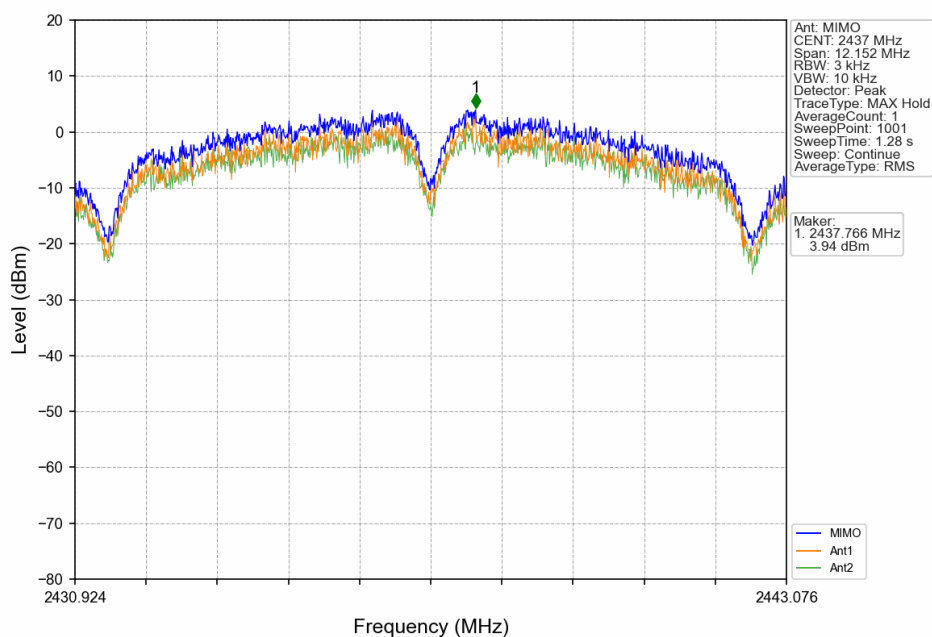
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802.11b_MCH_2437MHz_Ant2 (MIMO)_NTNV



802.11b_MCH_2437MHz_MIMO_NTNV



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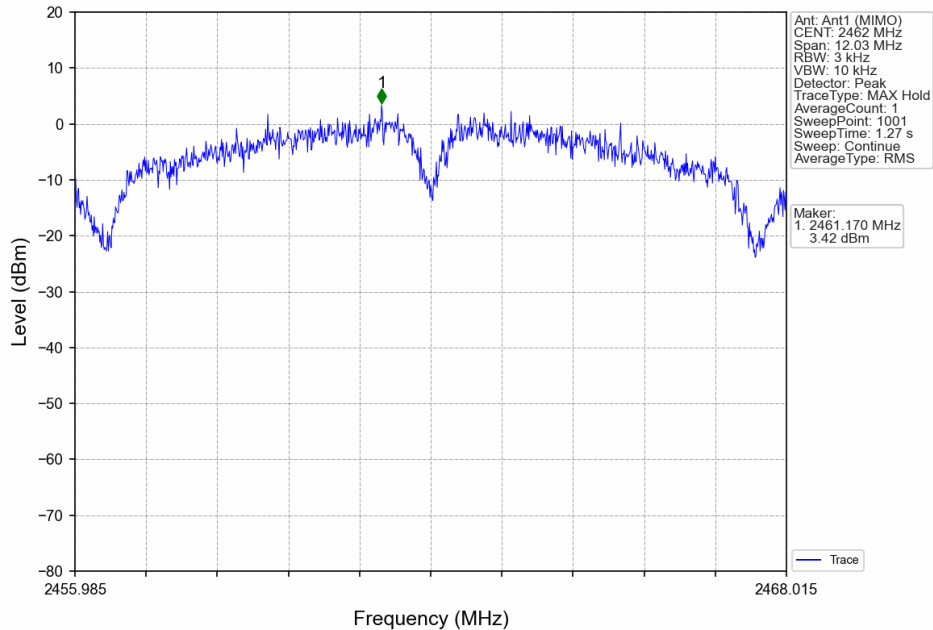
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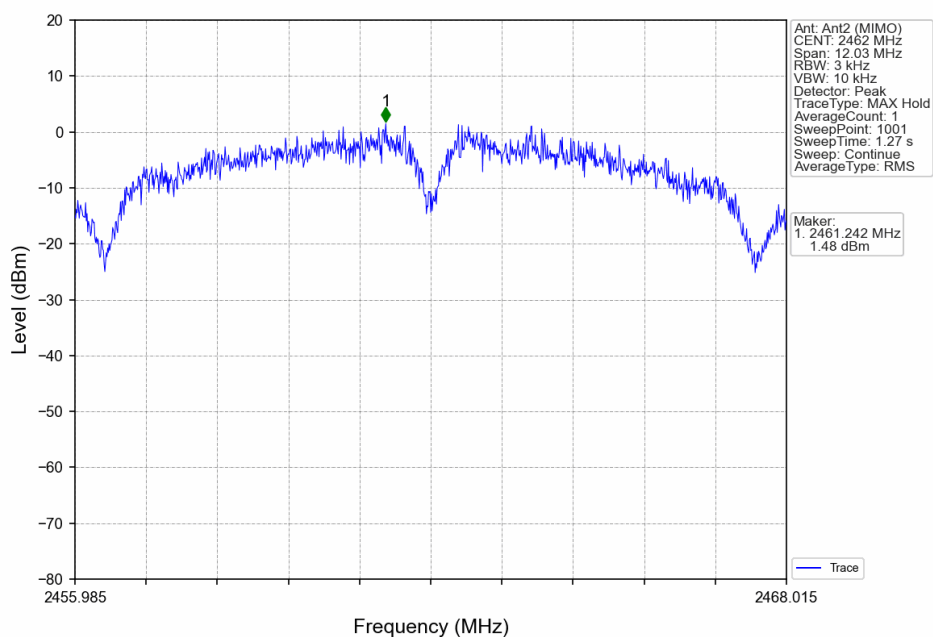
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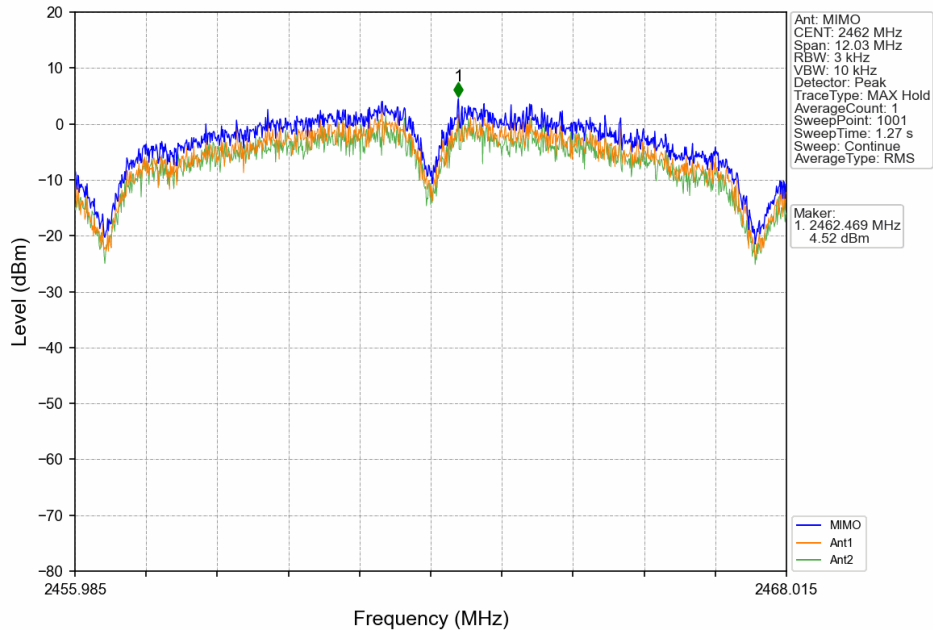
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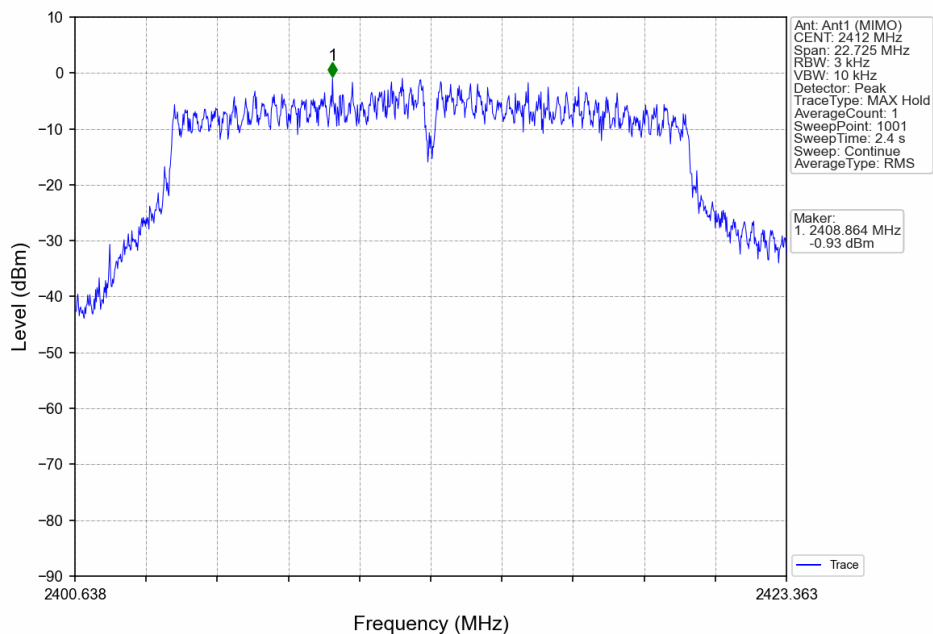
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802.11b_HCH_2462MHz_MIMO_NTNV



802.11g_LCH_2412MHz_Ant1 (MIMO)_NTNV



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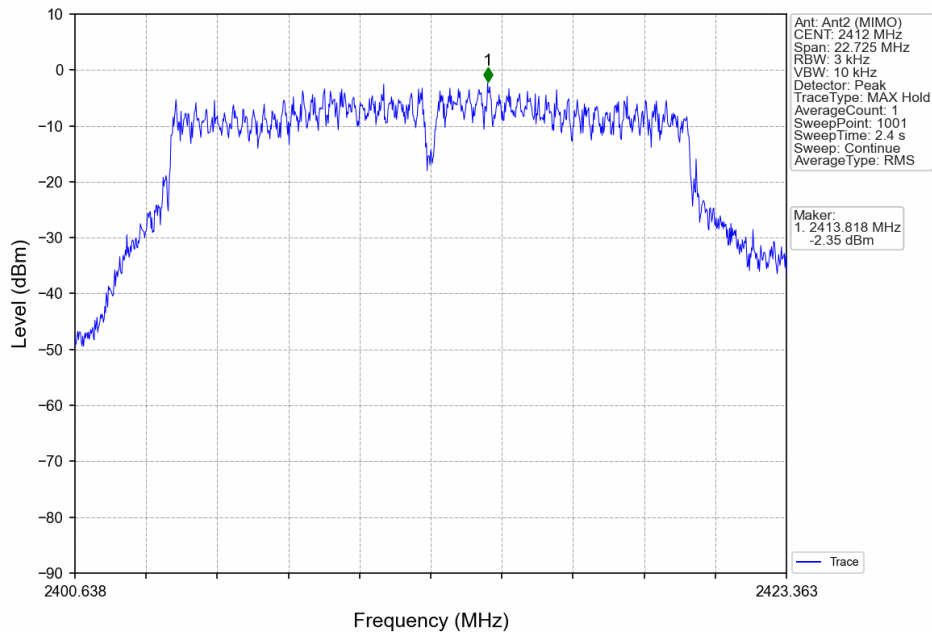
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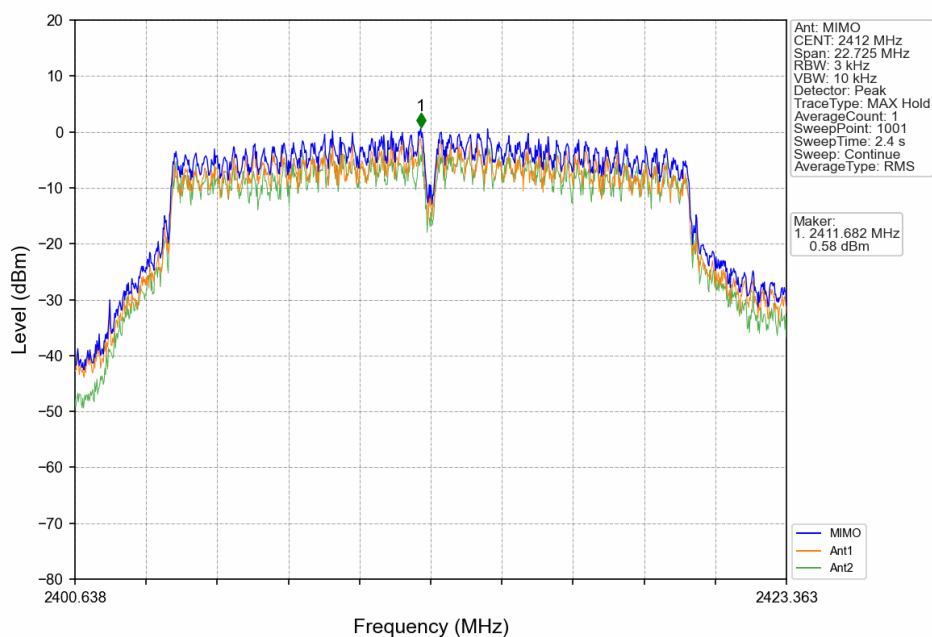
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802.11g_LCH_2412MHz_Ant2 (MIMO)_NTNV



802.11g_LCH_2412MHz_MIMO_NTNV



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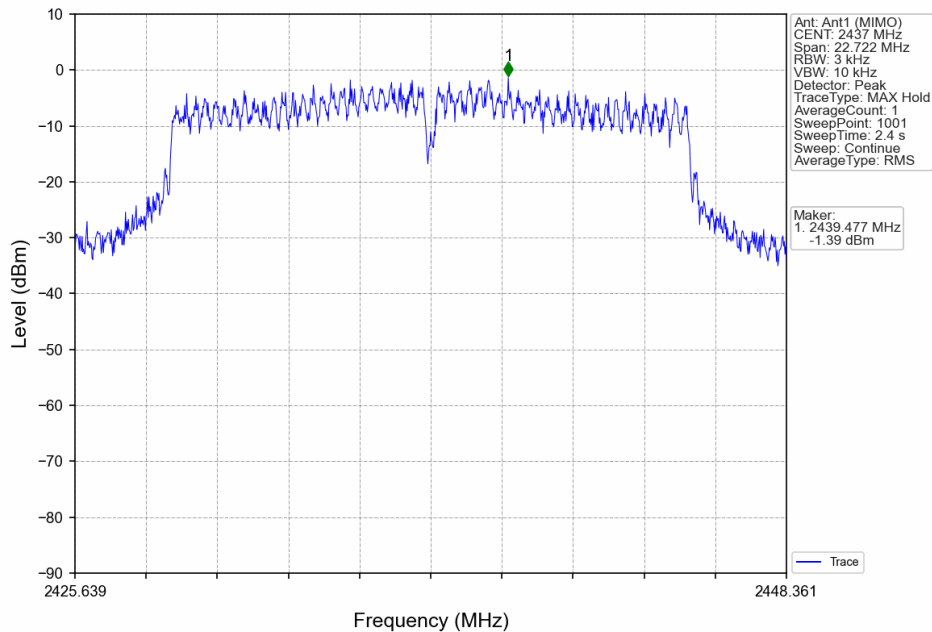
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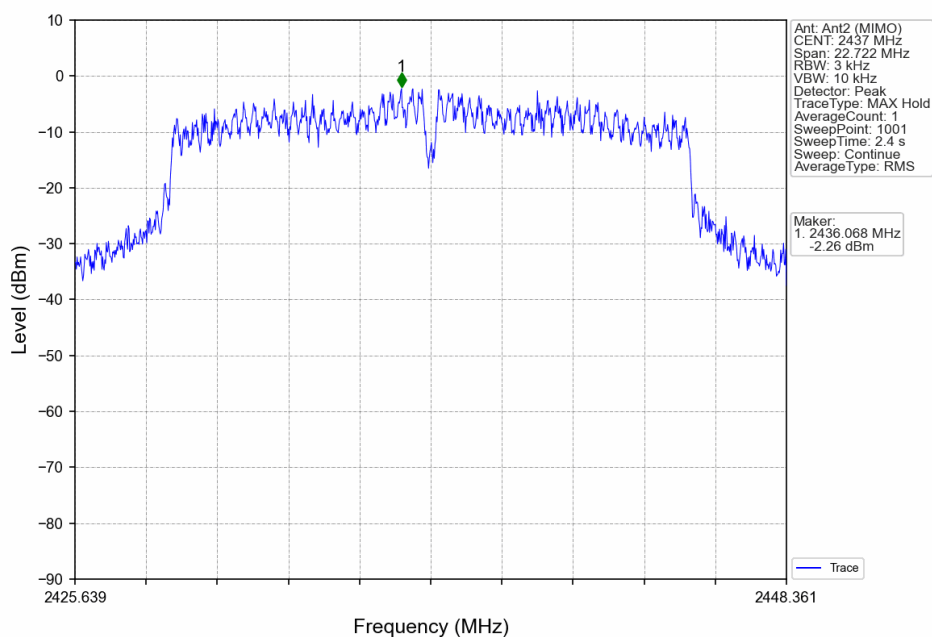
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802.11g_MCH_2437MHz_Ant1 (MIMO)_NTNV



802.11g_MCH_2437MHz_Ant2 (MIMO)_NTNV



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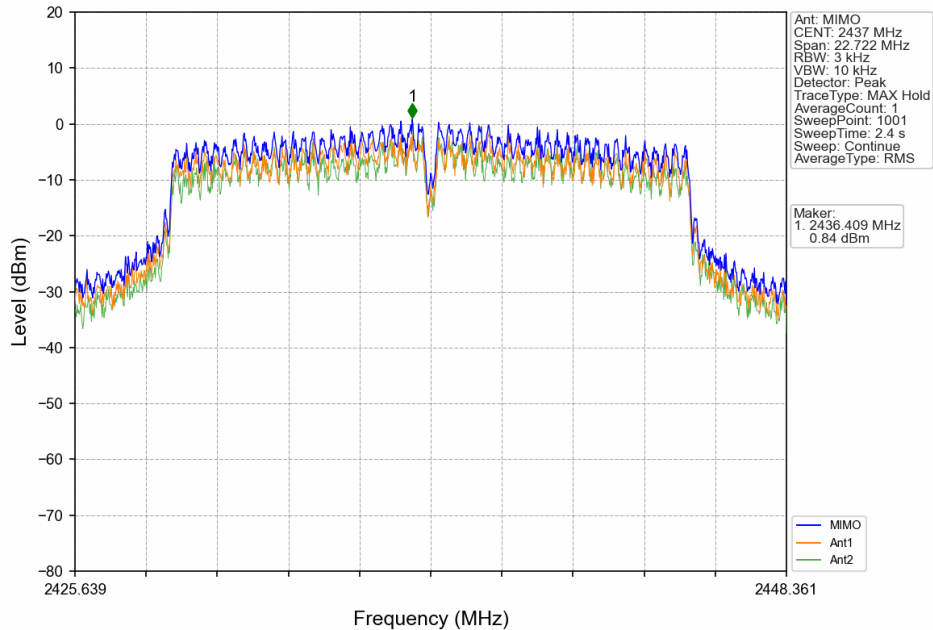
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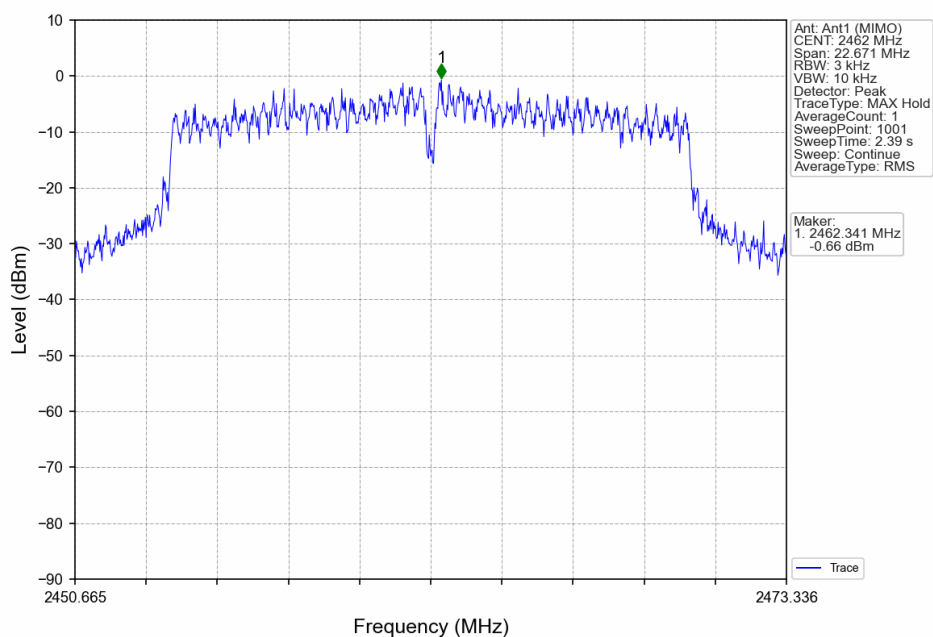
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802.11g_MCH_2437MHz_MIMO_NTNV



802.11g_HCH_2462MHz_Ant1 (MIMO)_NTNV



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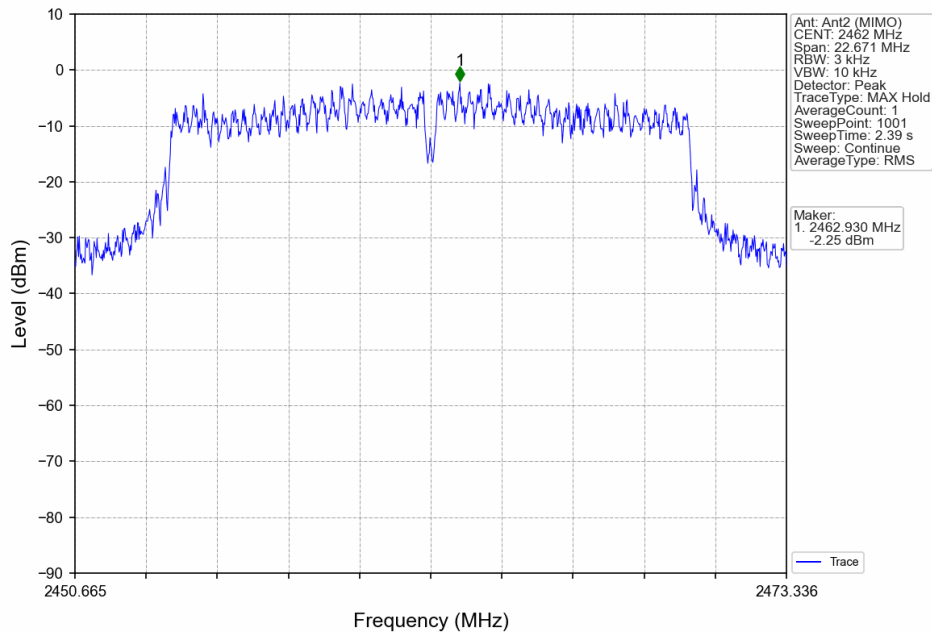
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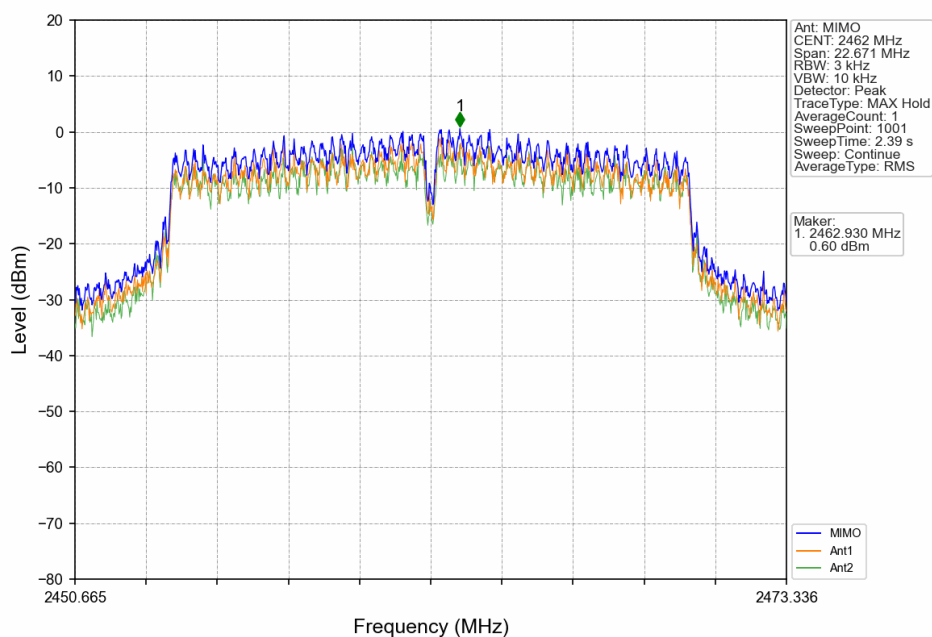
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802.11g_HCH_2462MHz_Ant2 (MIMO)_NTNV



802.11g_HCH_2462MHz_MIMO_NTNV



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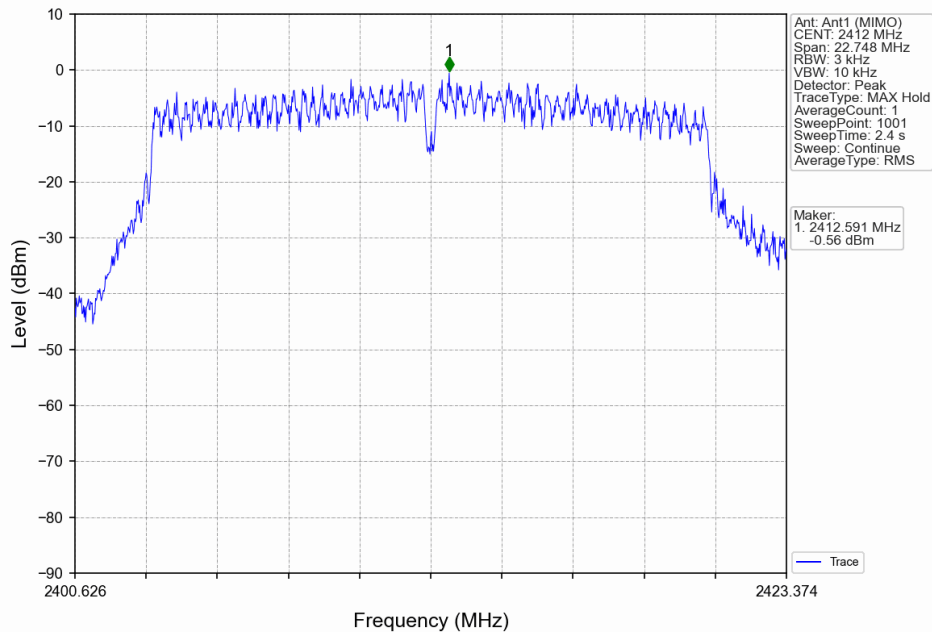
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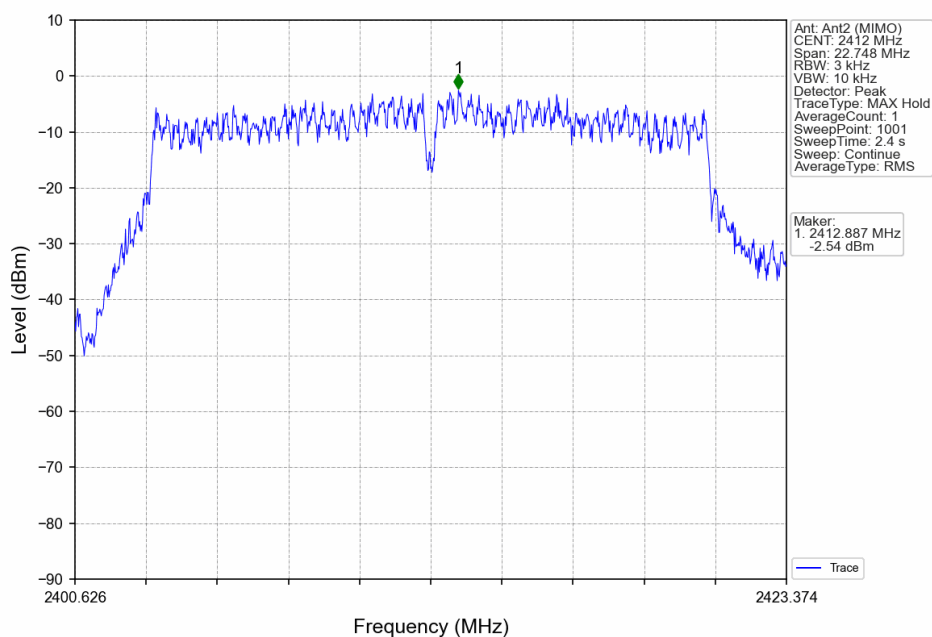
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802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



802.11n(HT20)_LCH_2412MHz_Ant2 (MIMO)_NTNV



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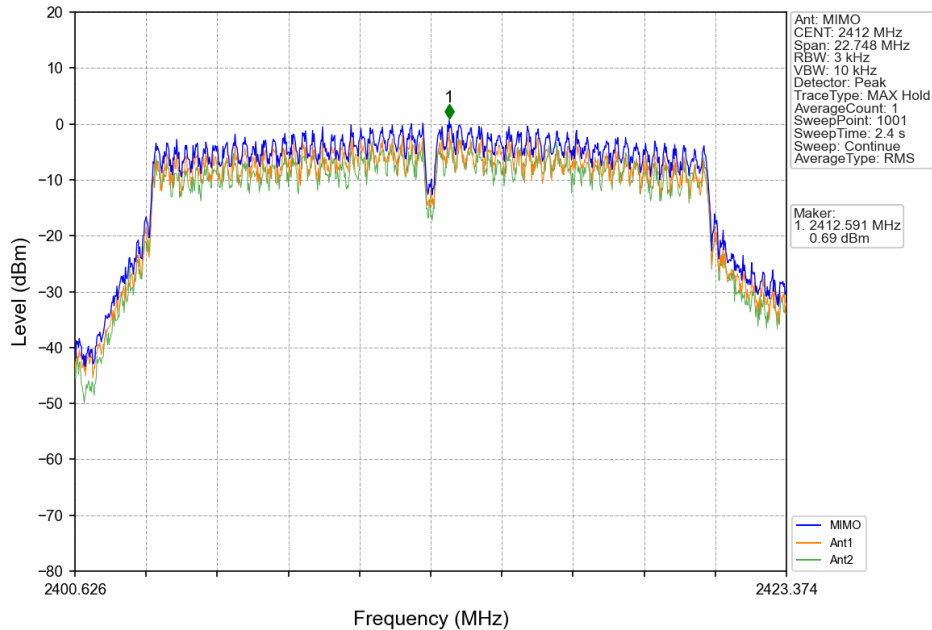
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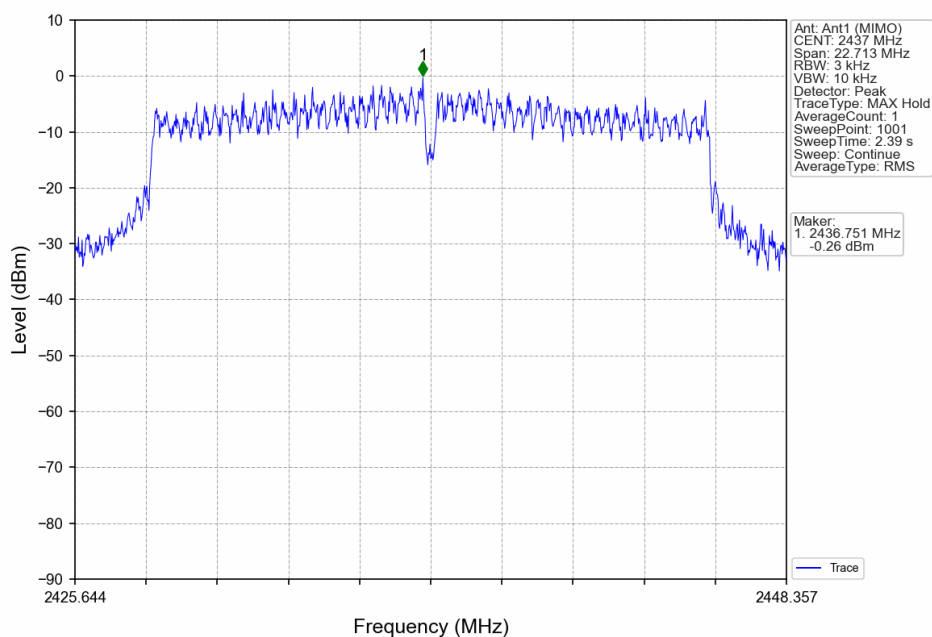
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802.11n(HT20)_LCH_2412MHz_MIMO_NTNV



802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



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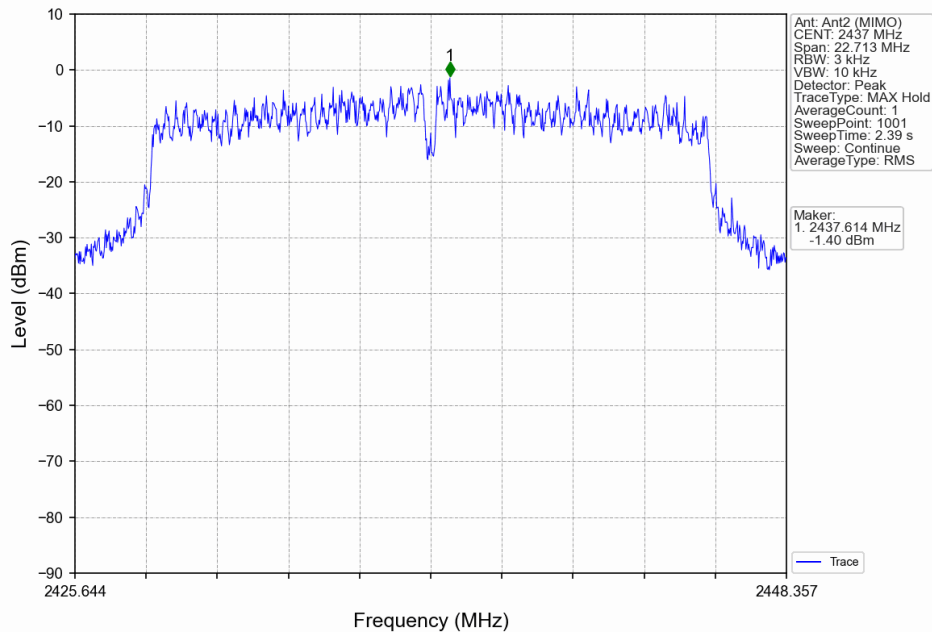
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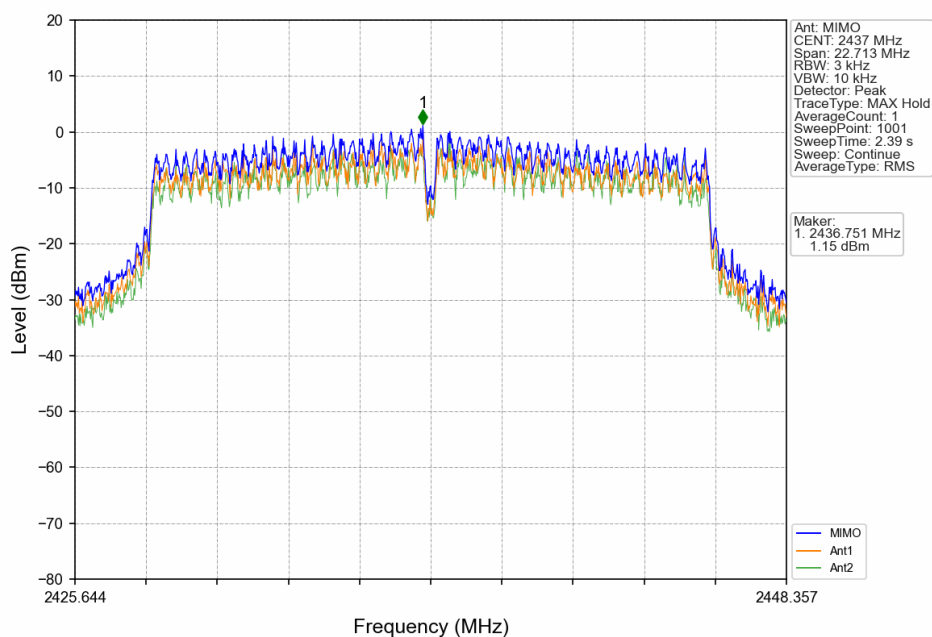
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802.11n(HT20)_MCH_2437MHz_Ant2 (MIMO)_NTNV



802.11n(HT20)_MCH_2437MHz_MIMO_NTNV



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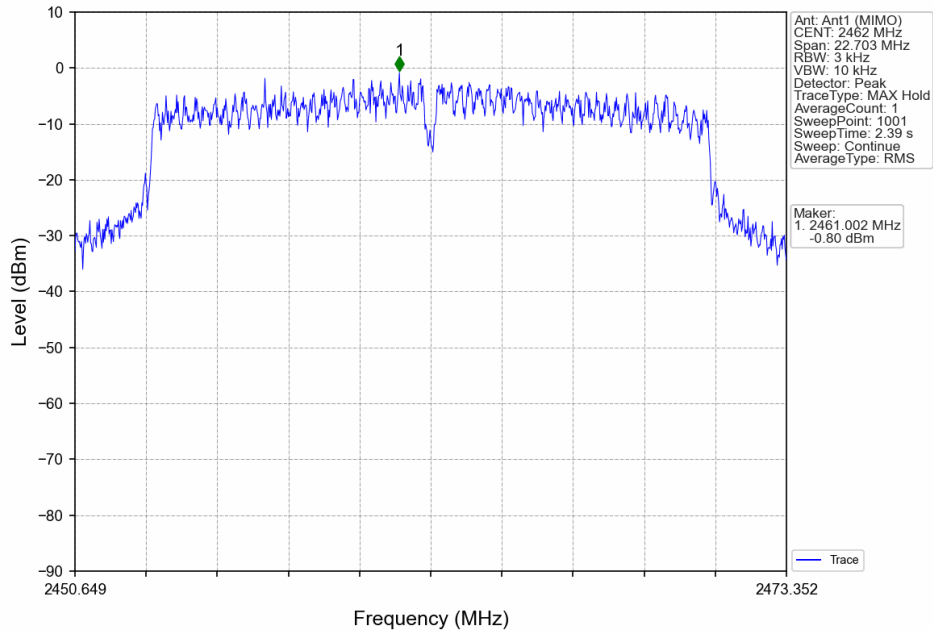
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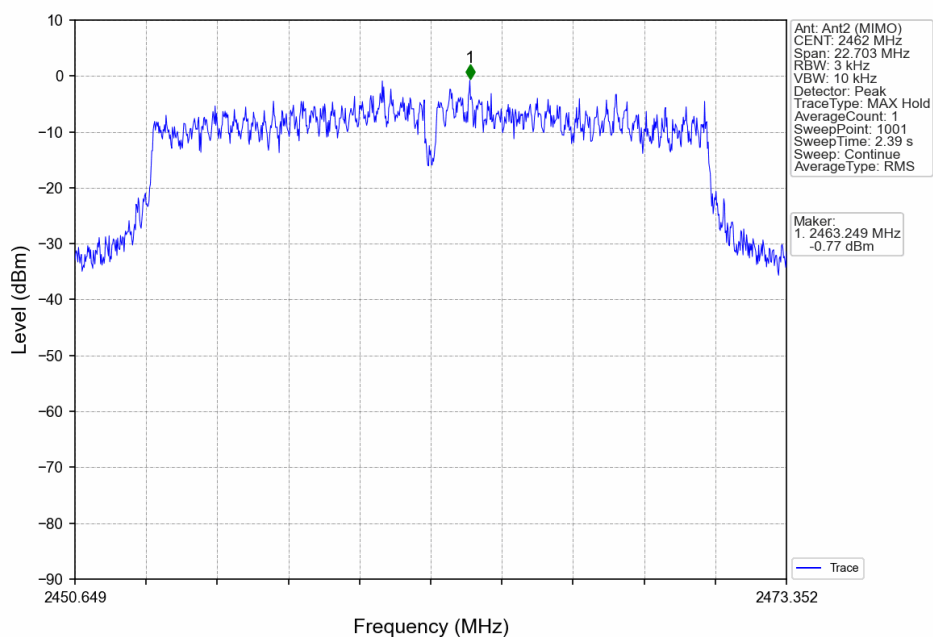
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802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant2 (MIMO)_NTNV



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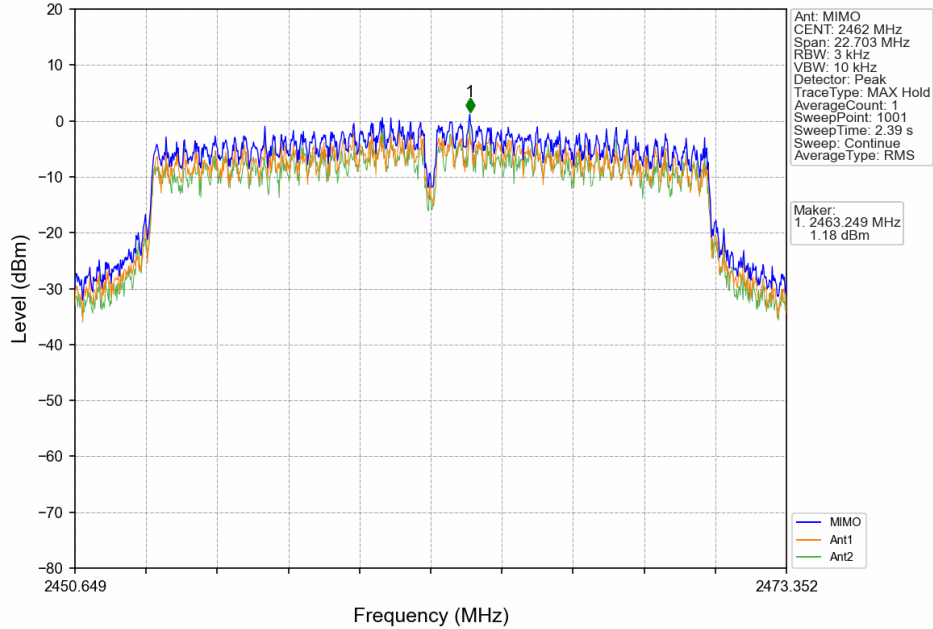
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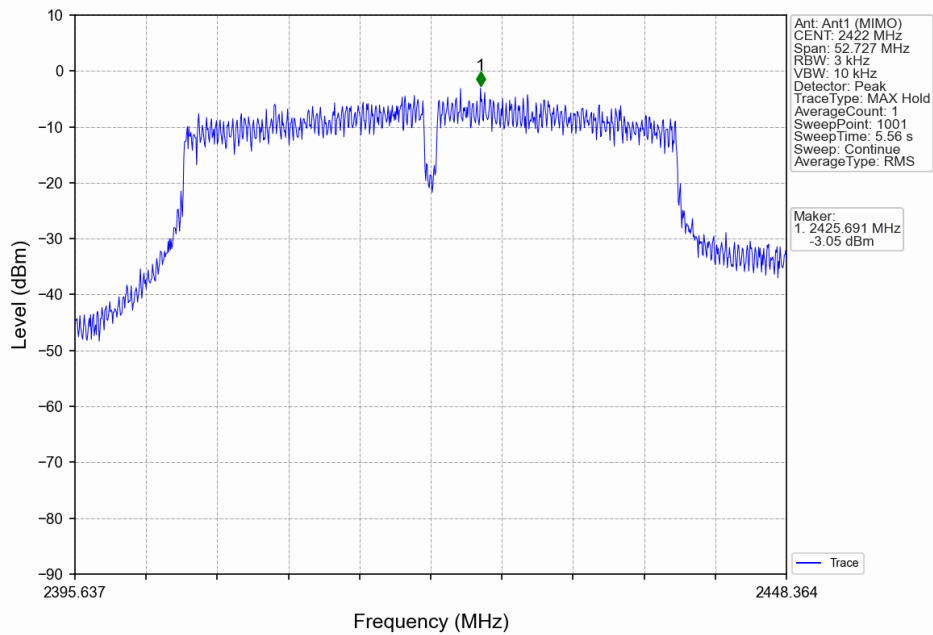
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802.11n(HT20)_HCH_2462MHz_MIMO_NTNV



802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



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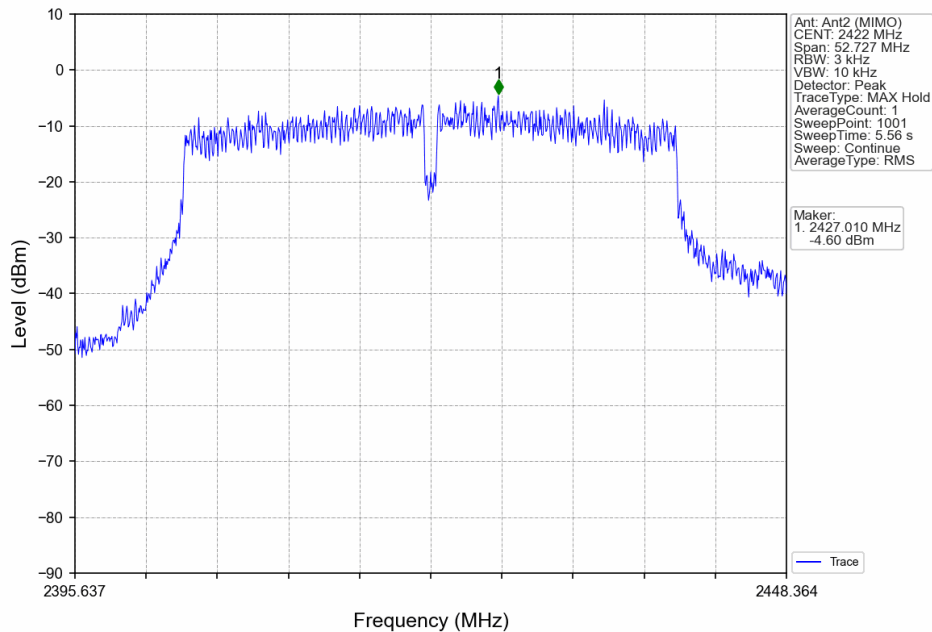
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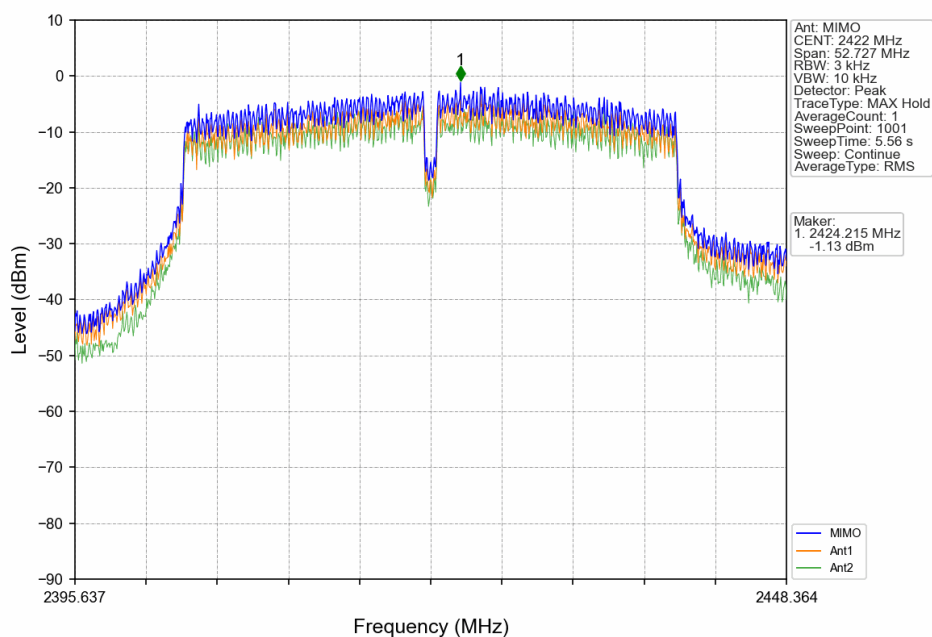
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802.11n(HT40)_LCH_2422MHz_Ant2 (MIMO)_NTNV



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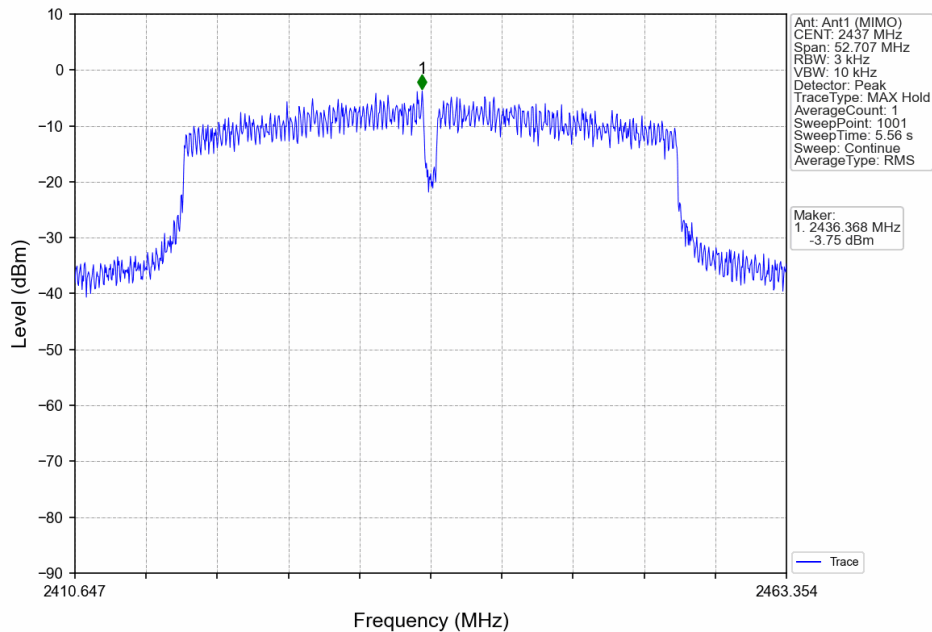
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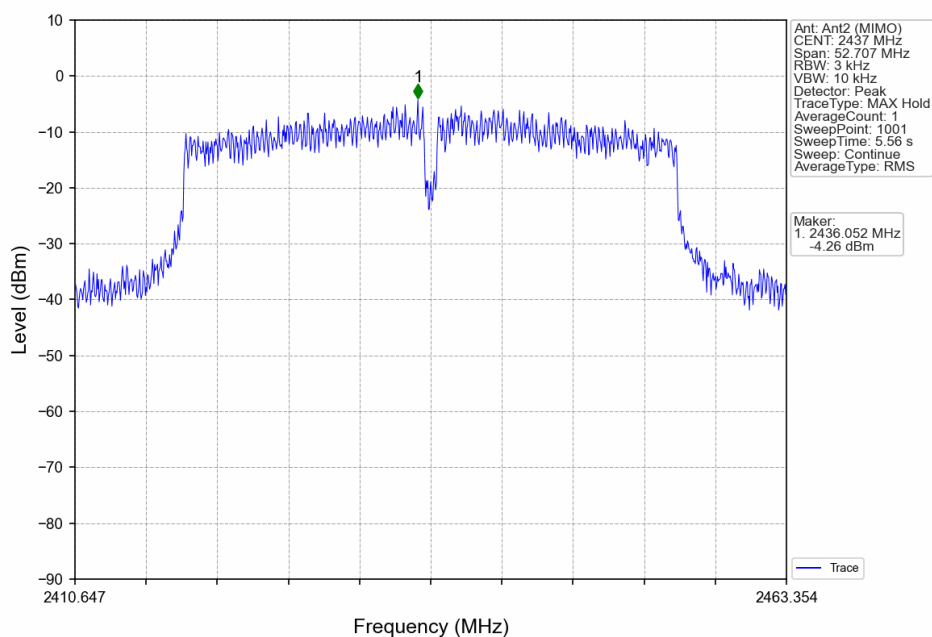
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802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant2 (MIMO)_NTNV



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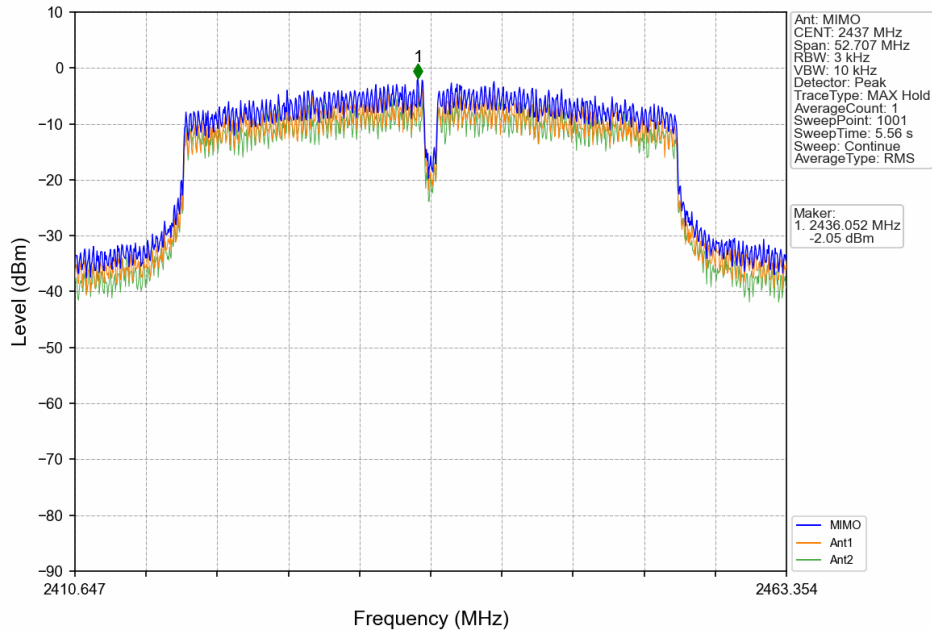
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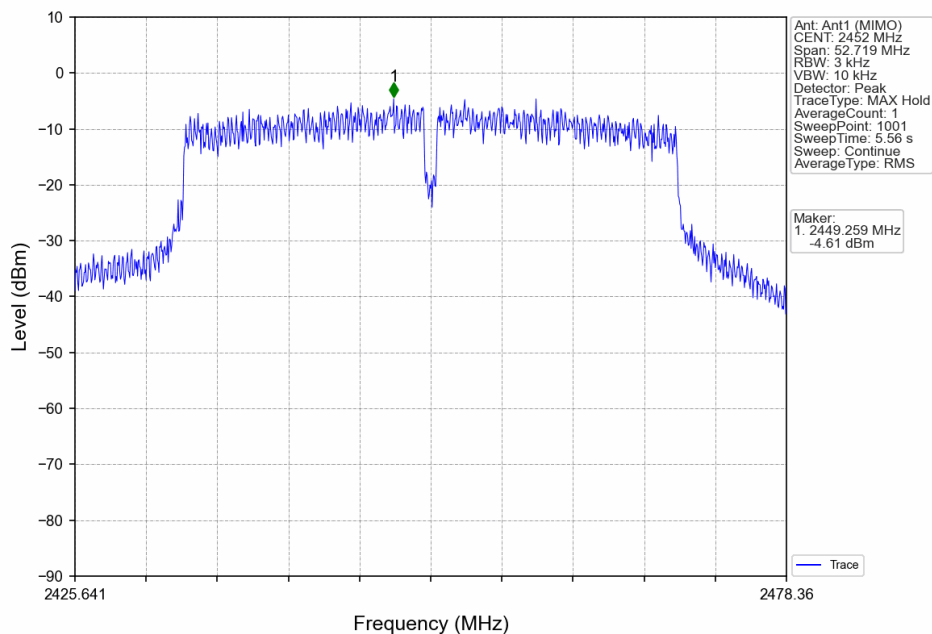
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802.11n(HT40)_MCH_2437MHz_MIMO_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



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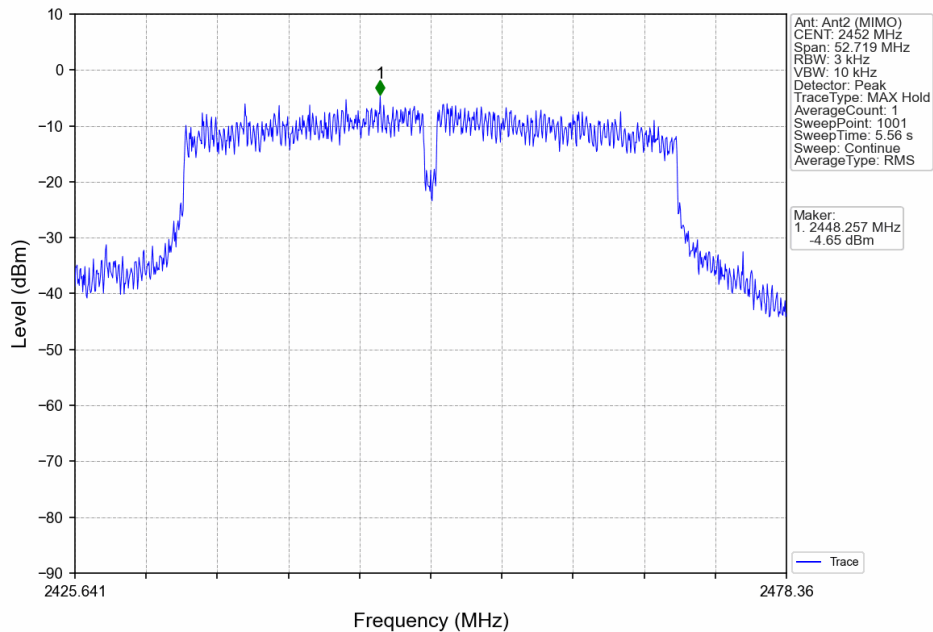
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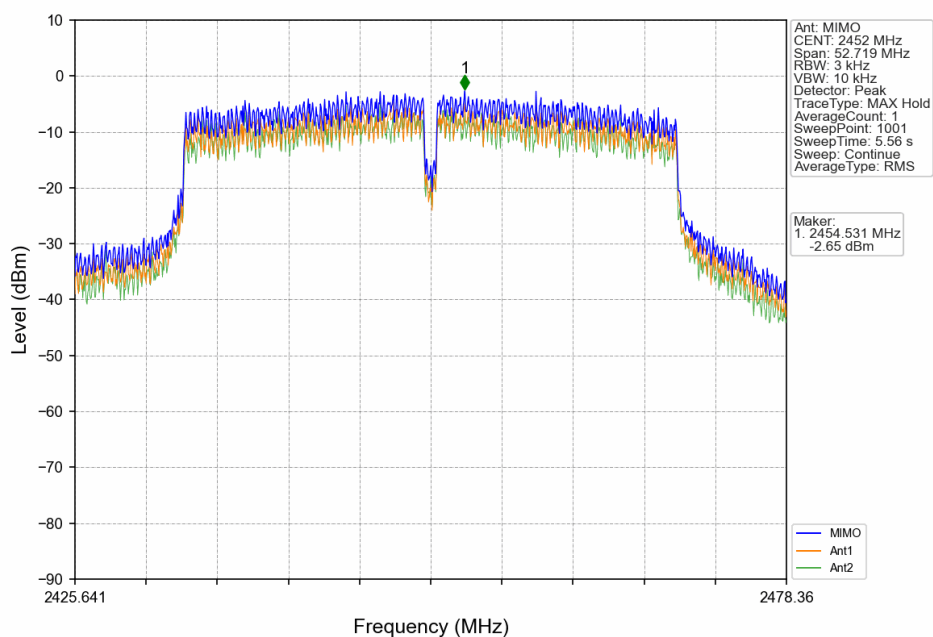
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802.11n(HT40)_HCH_2452MHz_Ant2 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_MIMO_NTNV



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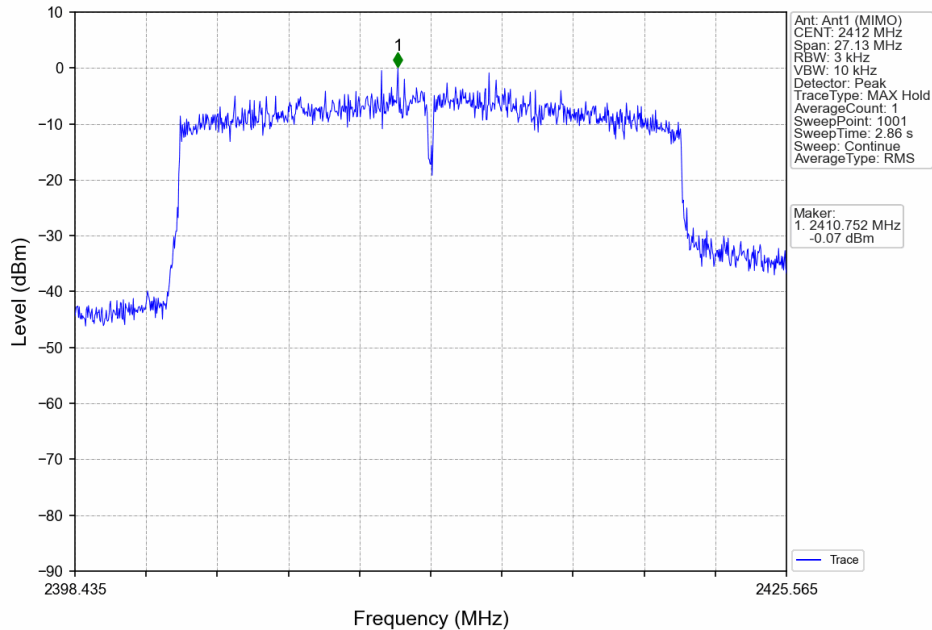
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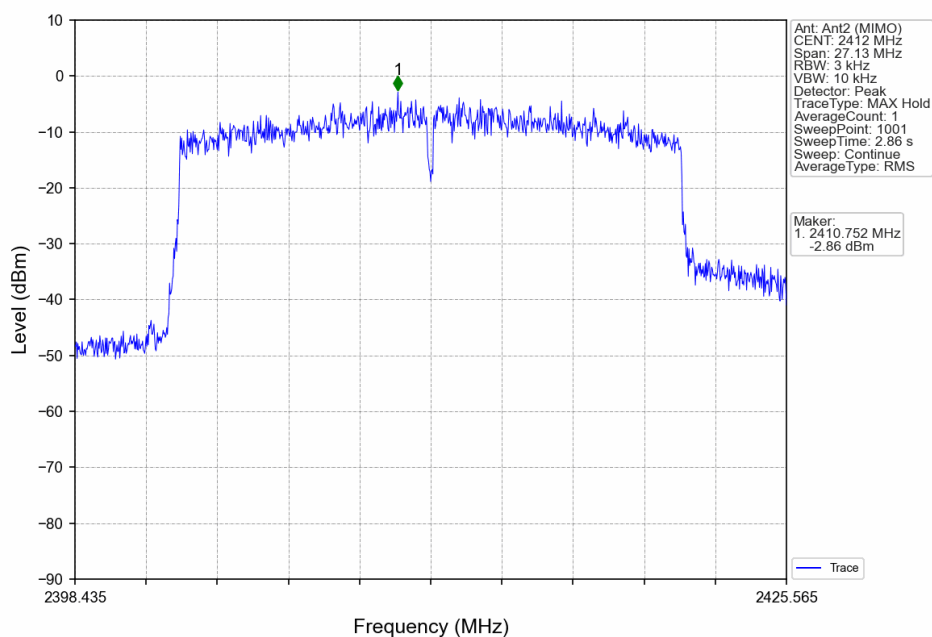
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802.11ax(HEW20)_LCH_2412MHz_RU242_Left_Ant1 (MIMO)_NTNV



802.11ax(HEW20)_LCH_2412MHz_RU242_Left_Ant2 (MIMO)_NTNV



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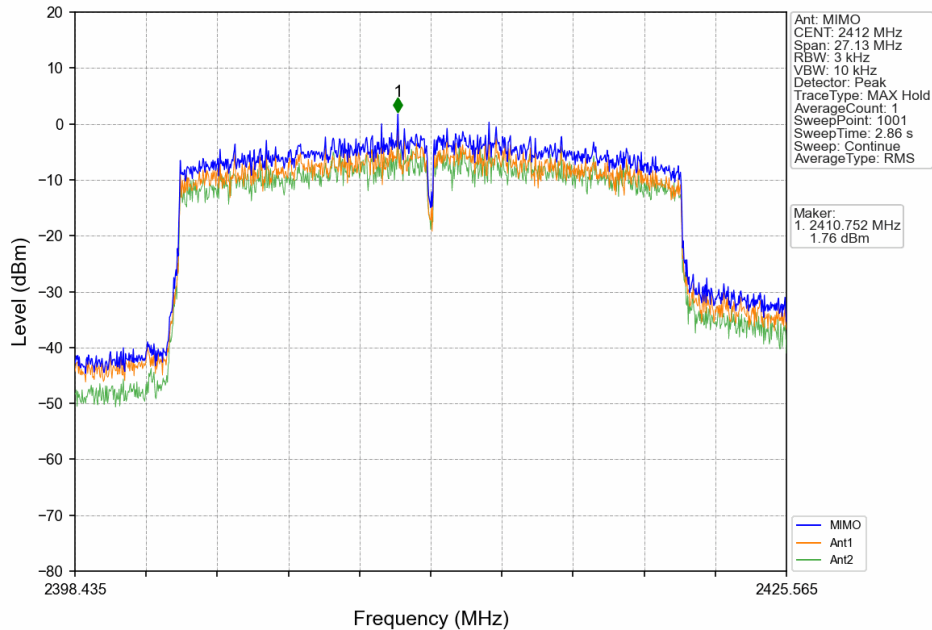
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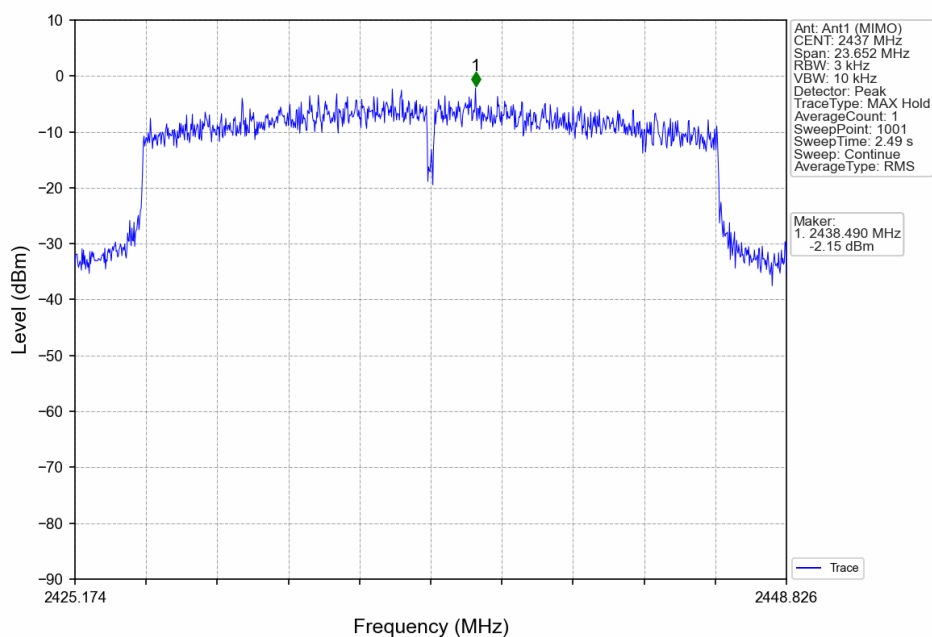
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802.11ax(HEW20)_LCH_2412MHz_RU242_Left_MIMO_NTNV



802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant1 (MIMO)_NTNV



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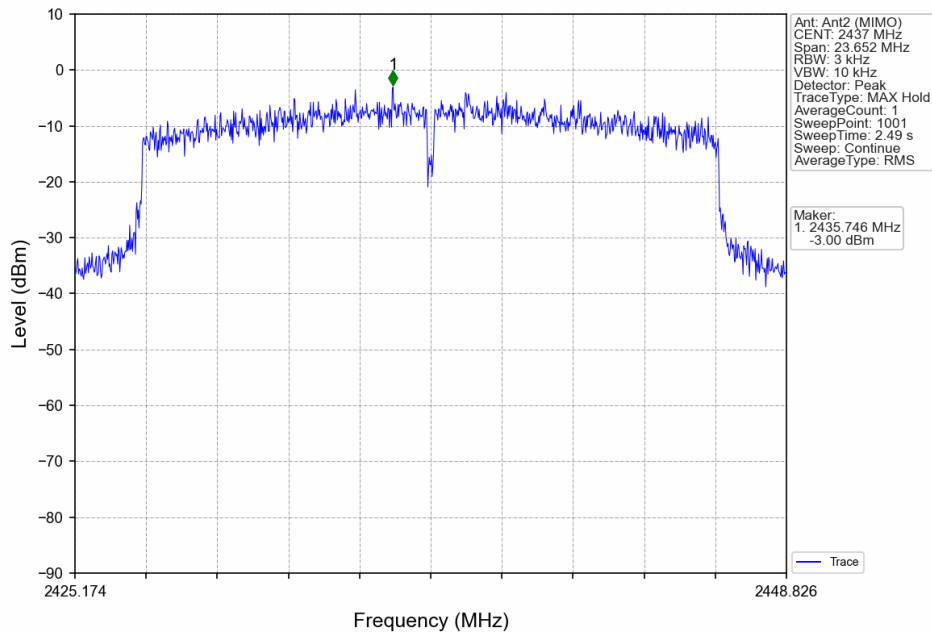
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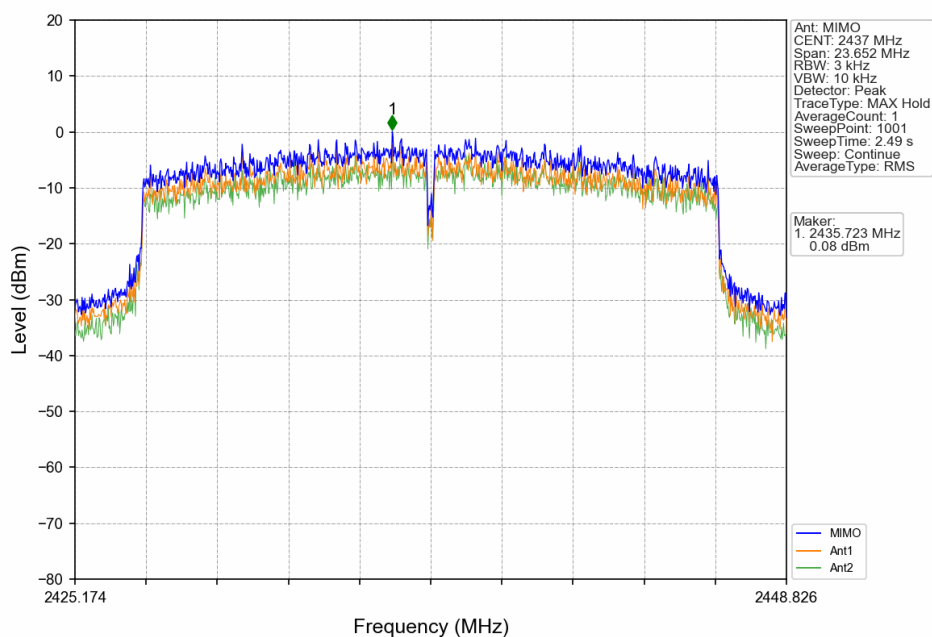
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802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant2 (MIMO)_NTNV



802.11ax(HEW20)_MCH_2437MHz_RU242_Left_MIMO_NTNV



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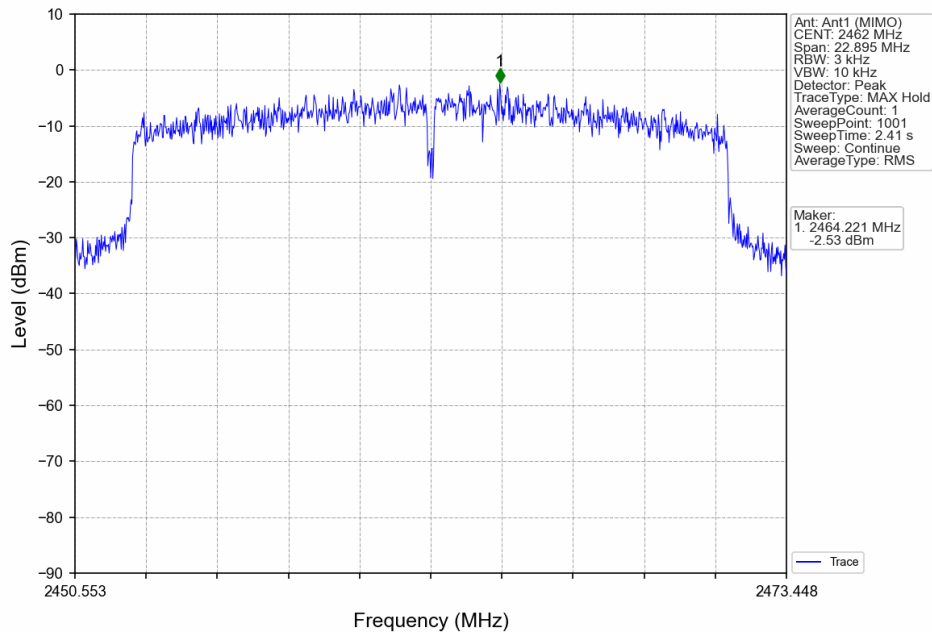
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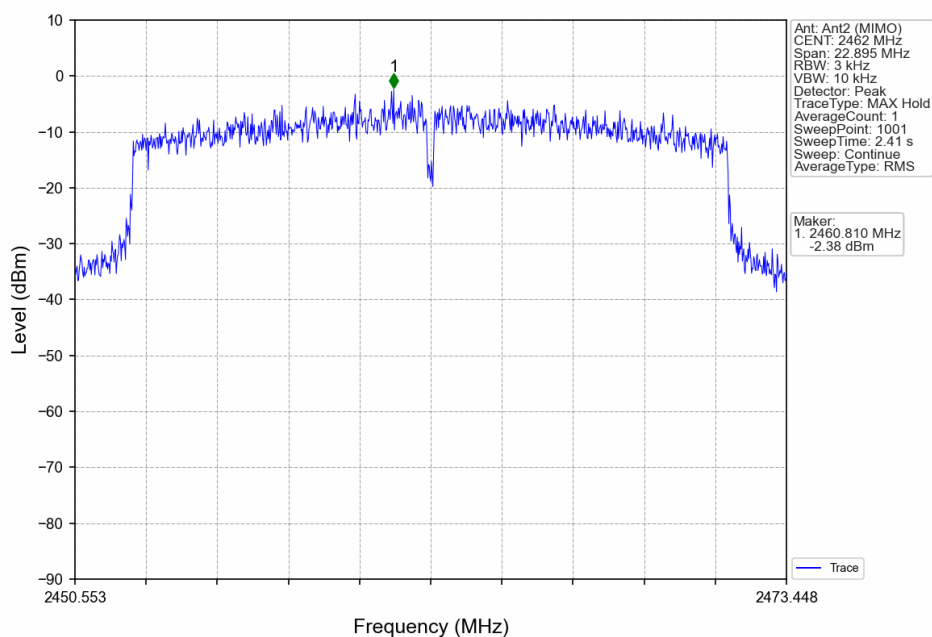
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802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant1 (MIMO)_NTNV



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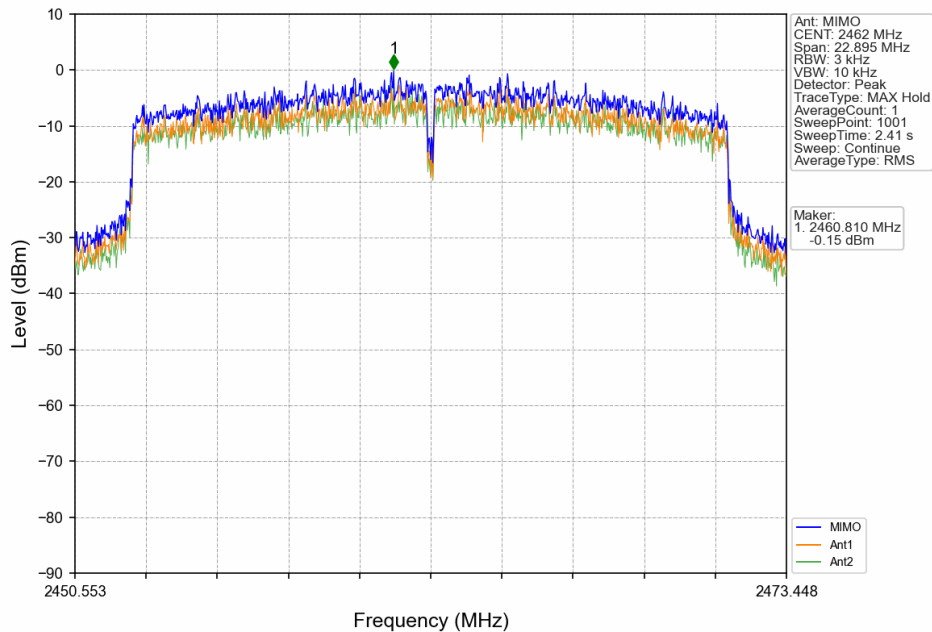
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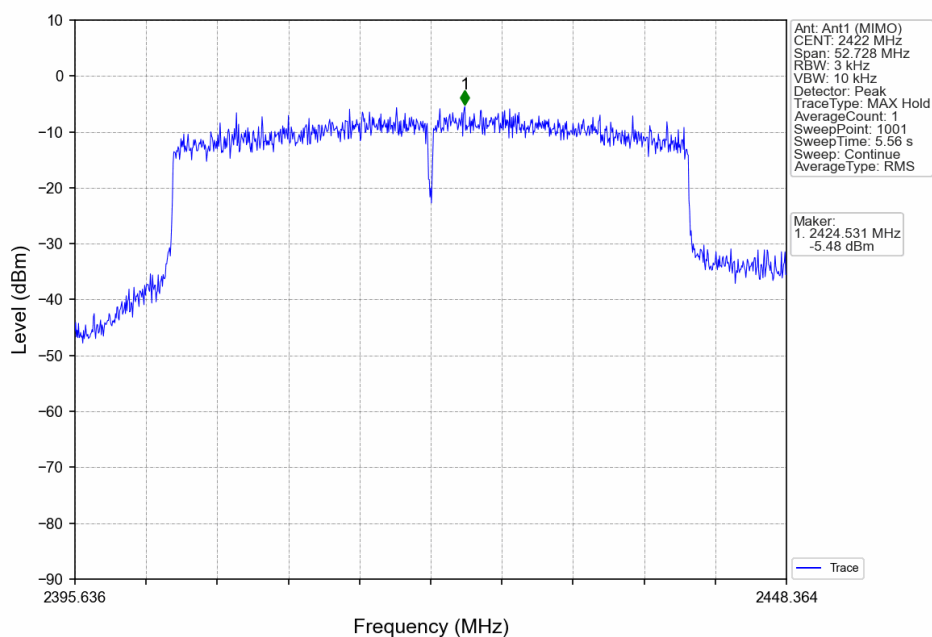
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802.11ax(HEW20)_HCH_2462MHz_RU242_Left_MIMO_NTNV



802.11ax(HEW40)_LCH_2422MHz_RU484_Left_Ant1 (MIMO)_NTNV



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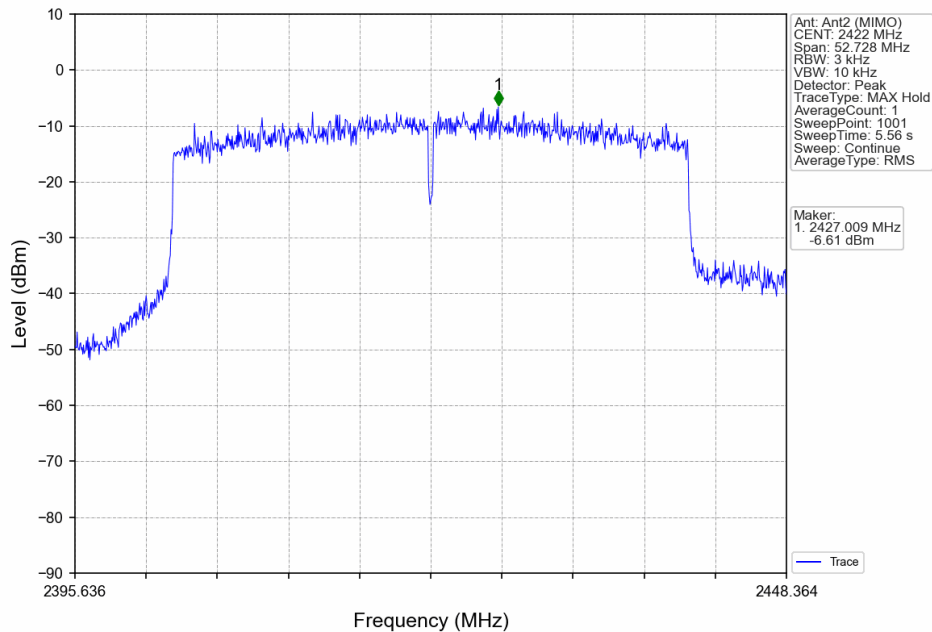
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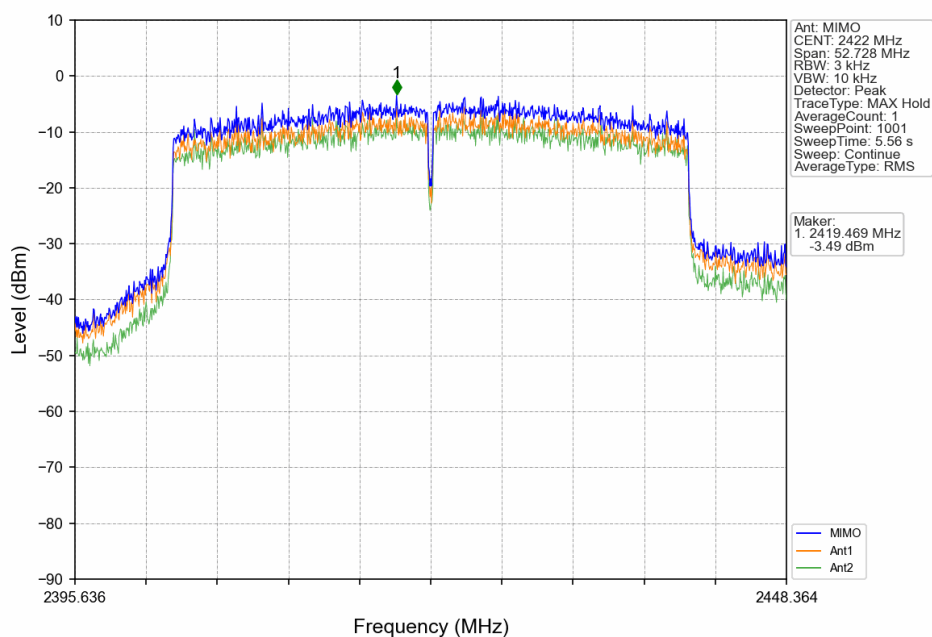
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802.11ax(HEW40)_LCH_2422MHz_RU484_Left_Ant2 (MIMO)_NTNV



802.11ax(HEW40)_LCH_2422MHz_RU484_Left_MIMO_NTNV



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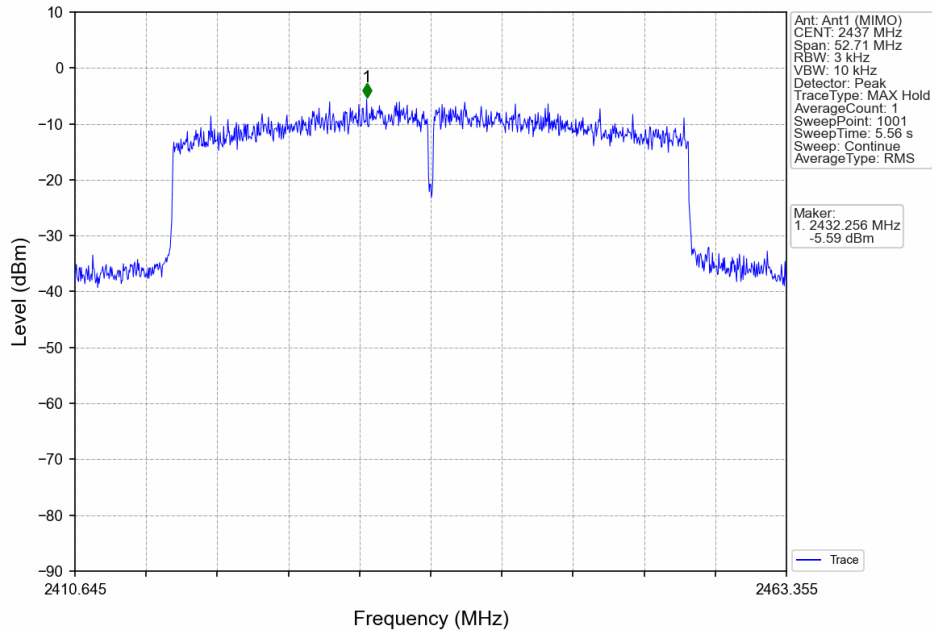
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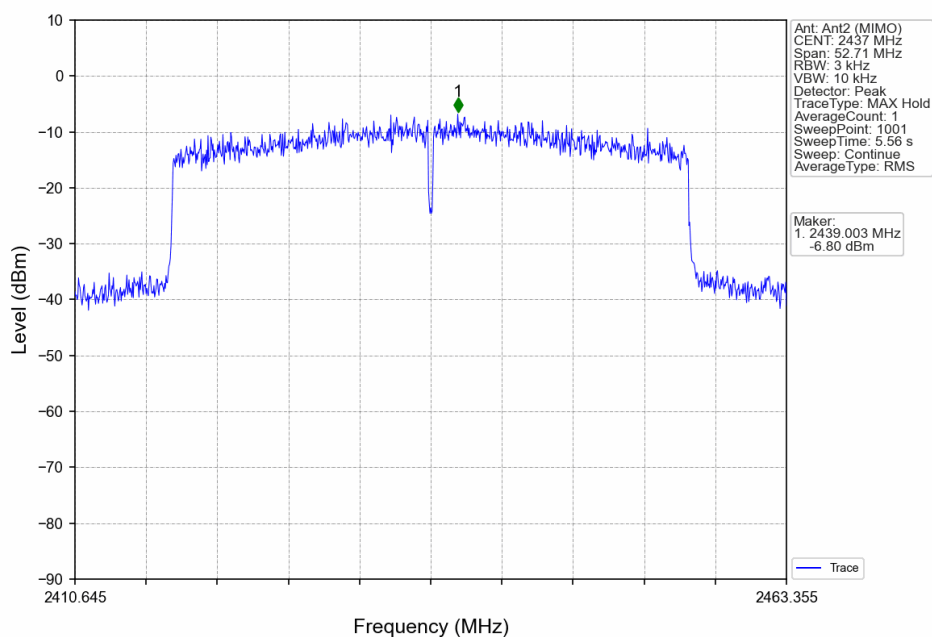
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802.11ax(HEW40)_MCH_2437MHz_RU484_Left_Ant1 (MIMO)_NTNV



802.11ax(HEW40)_MCH_2437MHz_RU484_Left_Ant2 (MIMO)_NTNV



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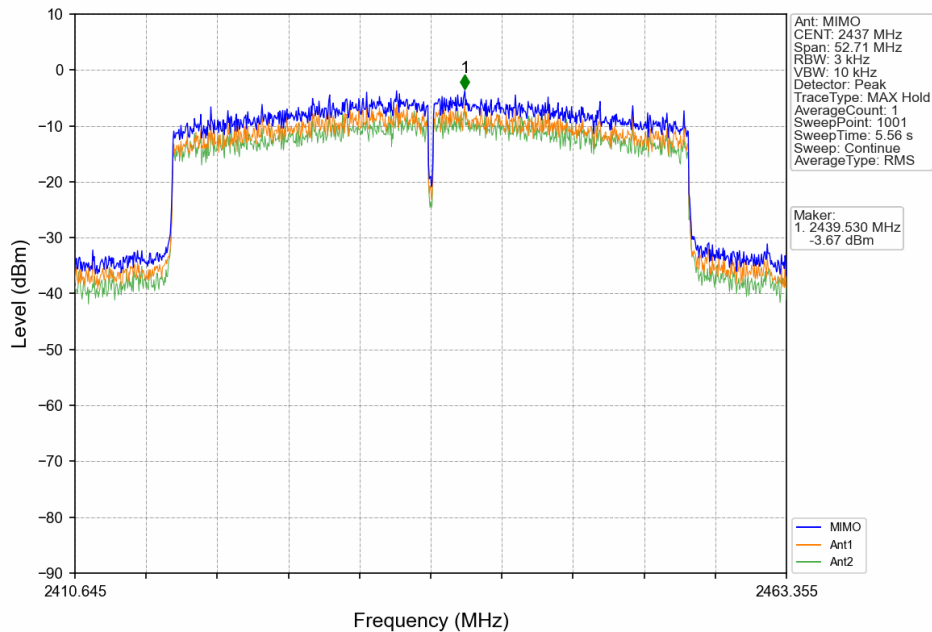
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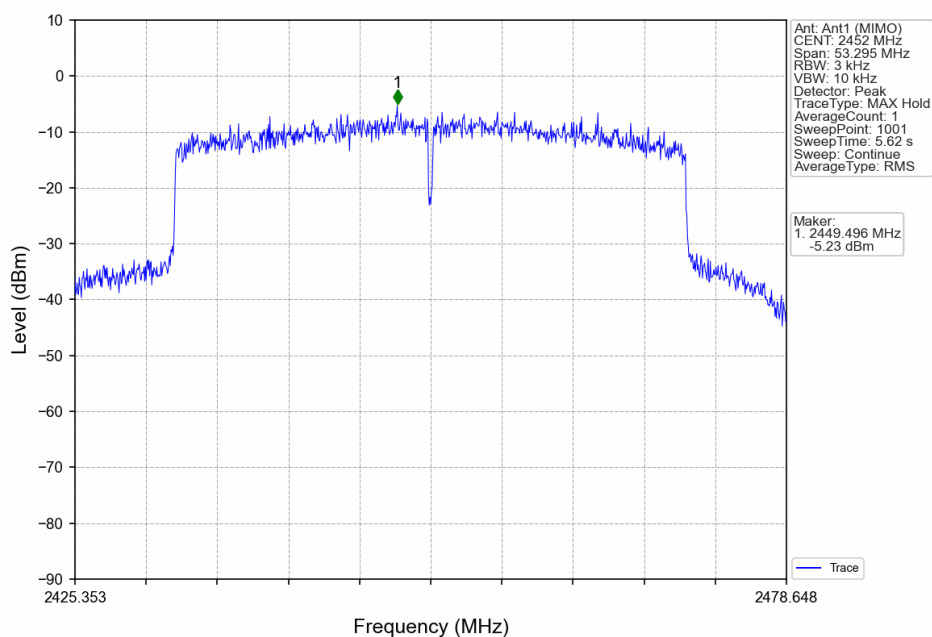
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802.11ax(HEW40)_MCH_2437MHz_RU484_Left_MIMO_NTNV



802.11ax(HEW40)_HCH_2452MHz_RU484_Left_Ant1 (MIMO)_NTNV



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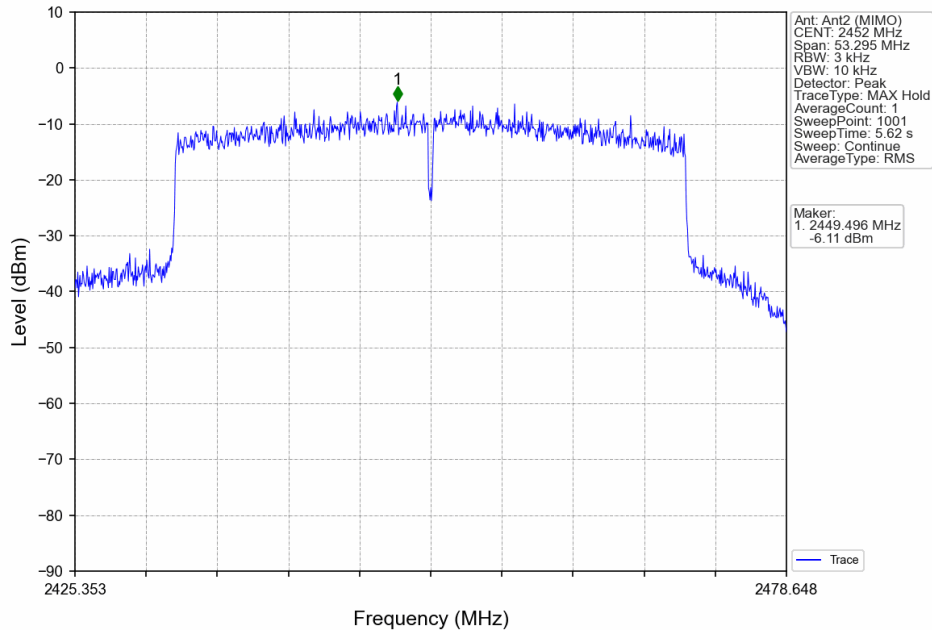
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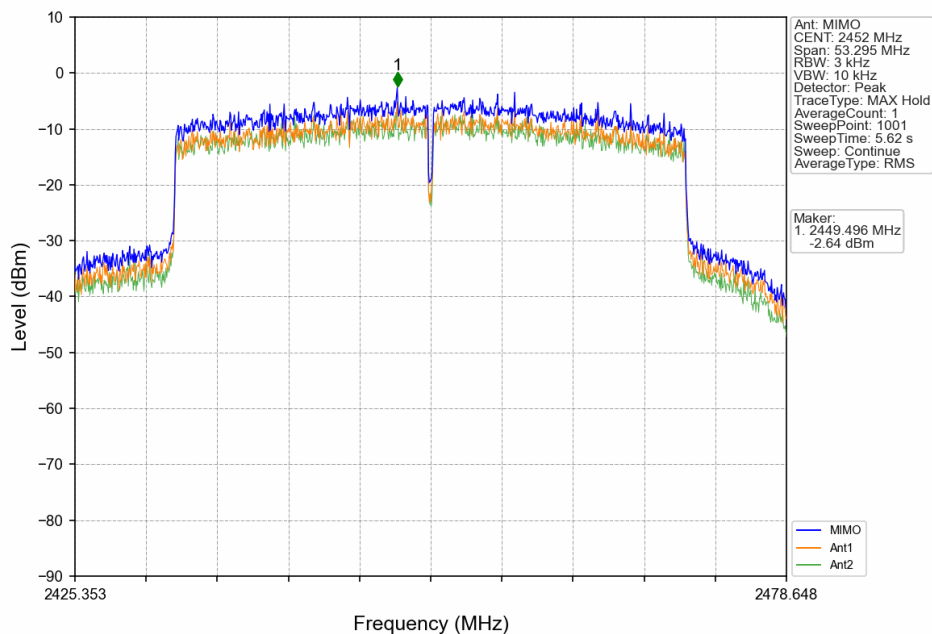
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802.11ax(HEW40)_HCH_2452MHz_RU484_Left_Ant2 (MIMO)_NTNV



802.11ax(HEW40)_HCH_2452MHz_RU484_Left_MIMO_NTNV



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5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Ref

5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Reference (dBm)
802.11b	MIMO	2412	/	/	1	17.49
					2	16.39
		2437	/	/	1	17.61
					2	16.35
		2462	/	/	1	17.59
					2	16.21
802.11g	MIMO	2412	/	/	1	14.10
					2	13.07
		2437	/	/	1	14.02
					2	12.72
		2462	/	/	1	13.59
					2	13.43
802.11n (HT20)	MIMO	2412	/	/	1	14.39
					2	13.38
		2437	/	/	1	14.33
					2	13.05
		2462	/	/	1	14.14
					2	13.68
802.11n (HT40)	MIMO	2422	/	/	1	11.48
					2	10.02
		2437	/	/	1	10.98
					2	10.14
		2452	/	/	1	10.53
					2	10.08
802.11ax (HEW20)	MIMO	2412	RU242	Left	1	13.71
					2	12.90
		2437	RU242	Left	1	14.10
					2	12.74
		2462	RU242	Left	1	14.10
					2	12.90
802.11ax	MIMO	2422	RU484	Left	1	11.38



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(HEW40)					2	10.16
					1	10.74
		2437	RU484	Left	2	9.95
		2452	RU484	Left	1	10.30
					2	10.05

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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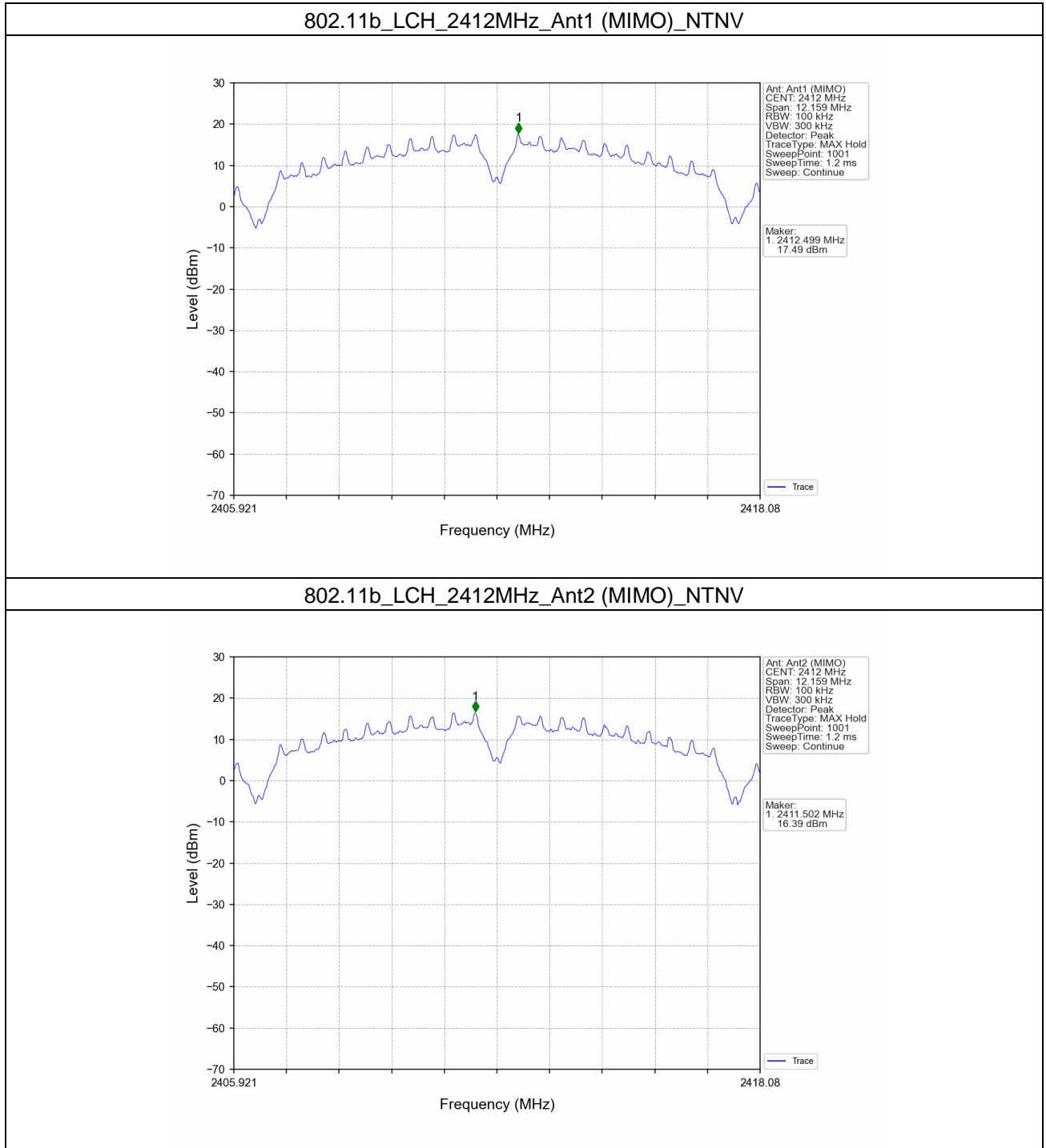
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5.1.2 Test Graph



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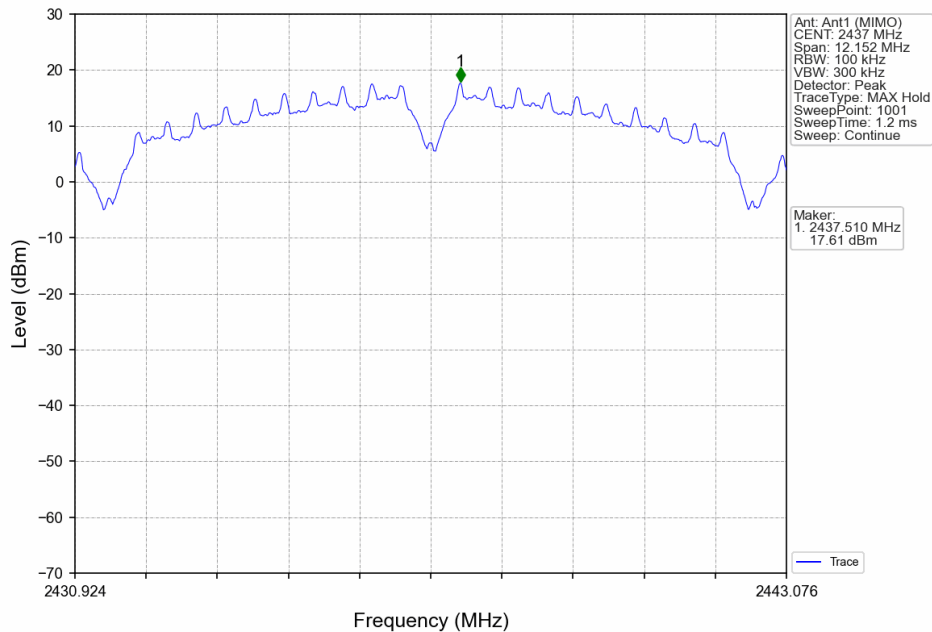
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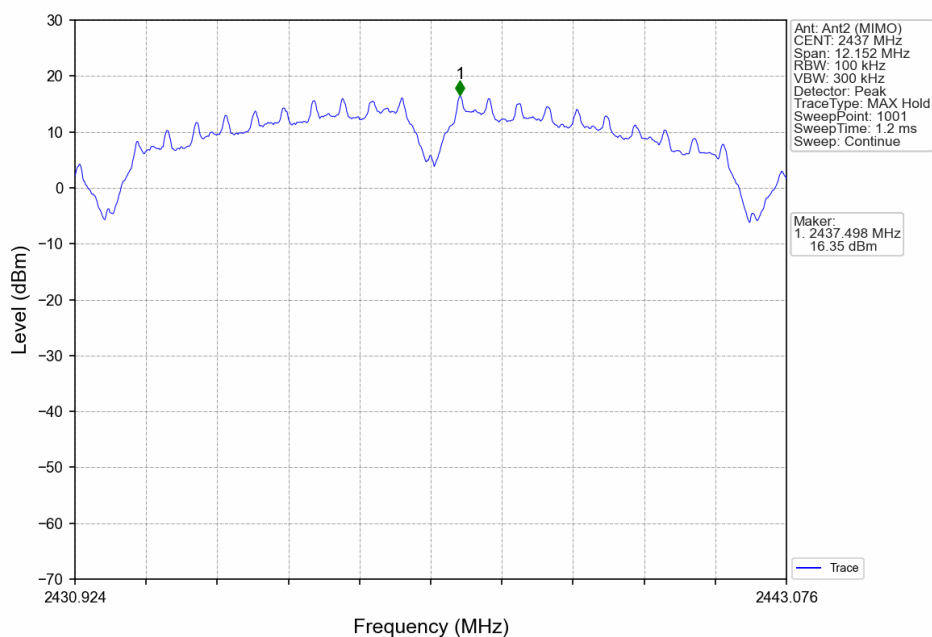
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802.11b_MCH_2437MHz_Ant1 (MIMO)_NTNV



802.11b_MCH_2437MHz_Ant2 (MIMO)_NTNV



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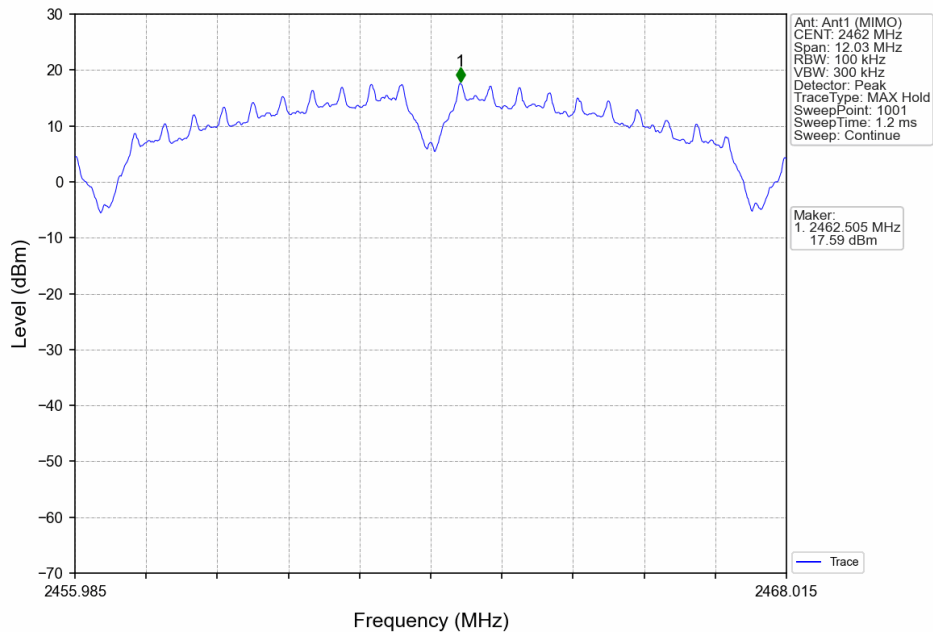
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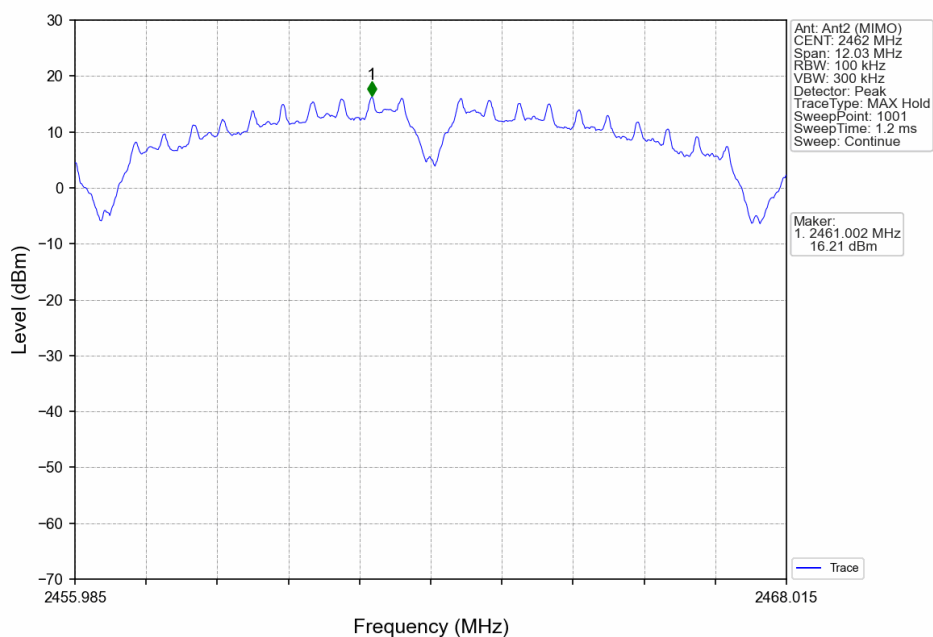
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802.11b_HCH_2462MHz_Ant1 (MIMO)_NTNV



802.11b_HCH_2462MHz_Ant2 (MIMO)_NTNV



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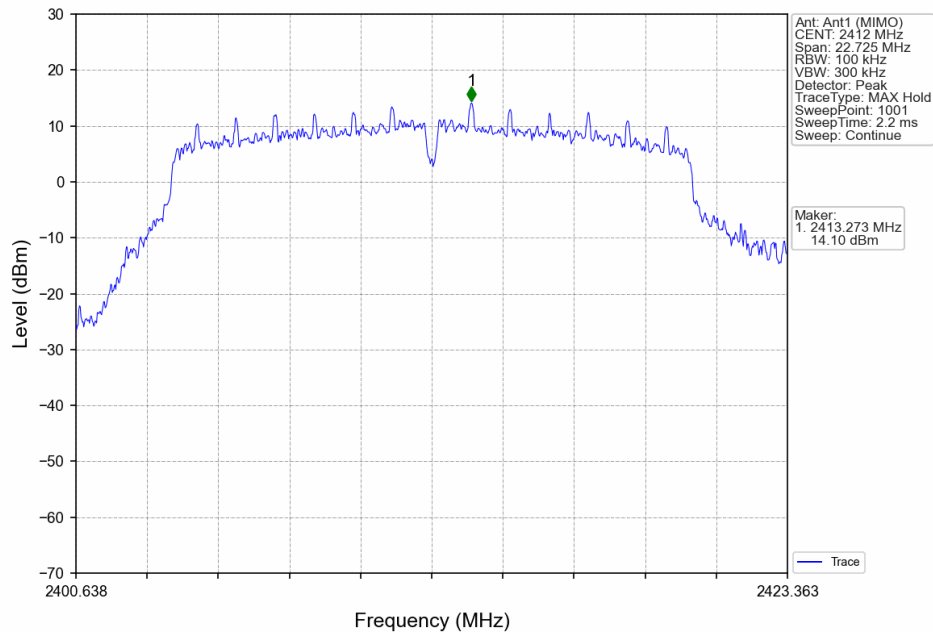
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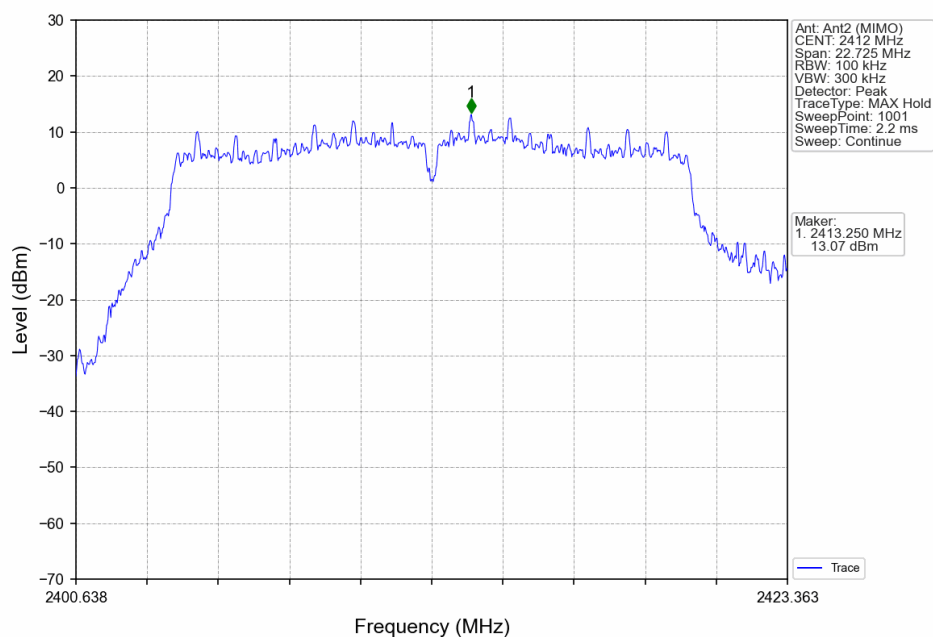
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802.11g_LCH_2412MHz_Ant1 (MIMO)_NTNV



802.11g_LCH_2412MHz_Ant2 (MIMO)_NTNV



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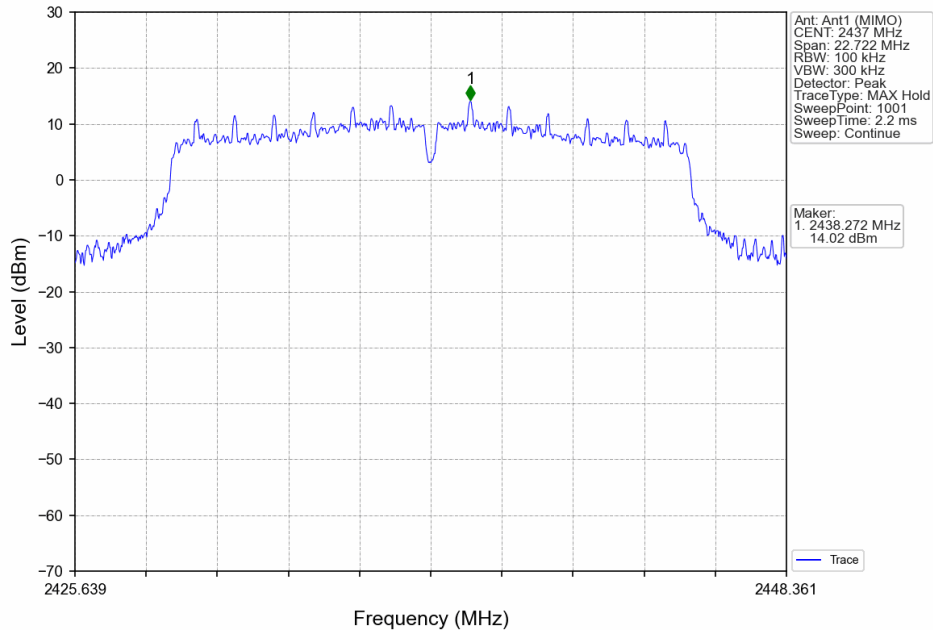
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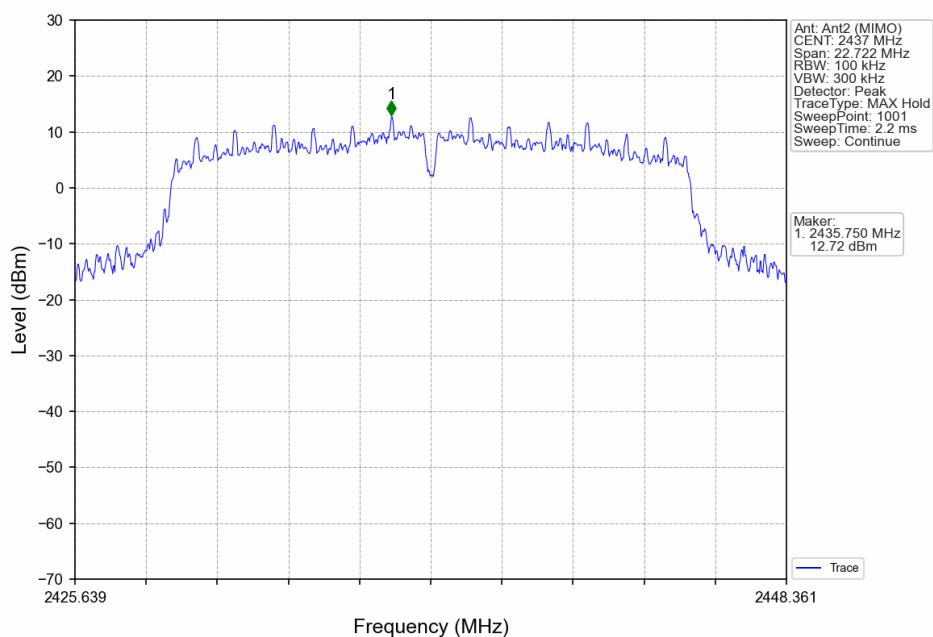
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802.11g_MCH_2437MHz_Ant1 (MIMO)_NTNV



802.11g_MCH_2437MHz_Ant2 (MIMO)_NTNV



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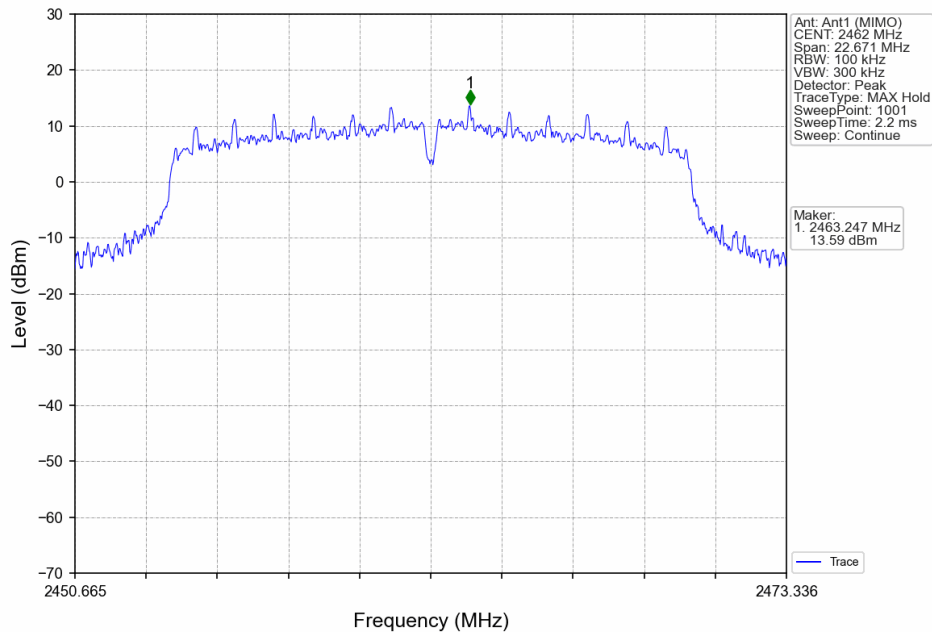
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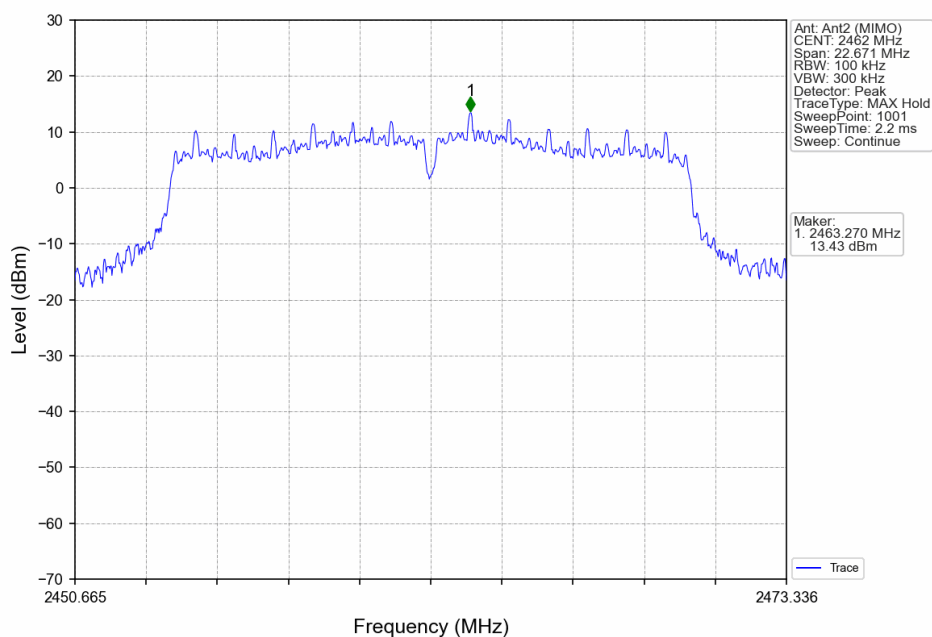
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802.11g_HCH_2462MHz_Ant2 (MIMO)_NTNV



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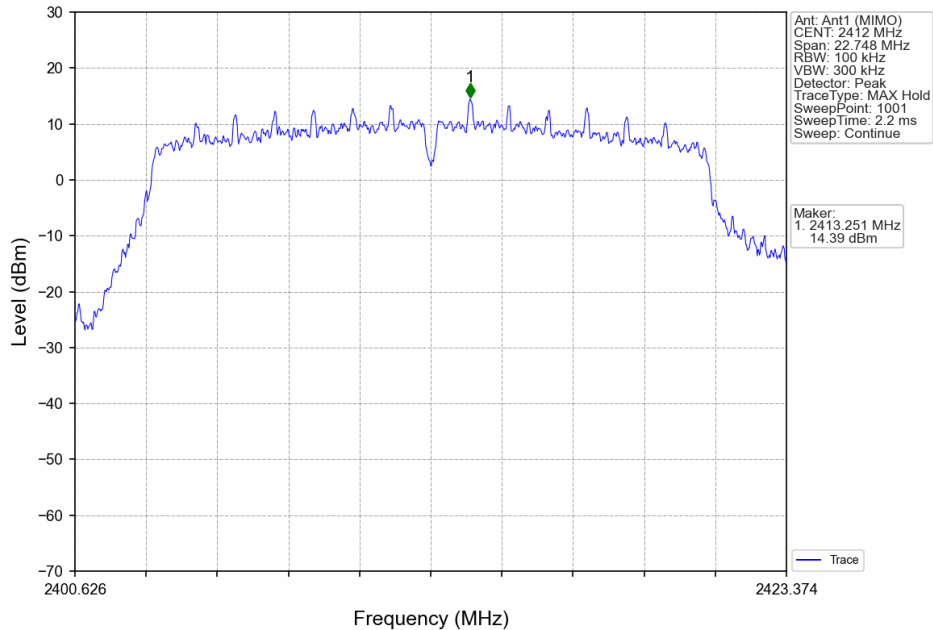
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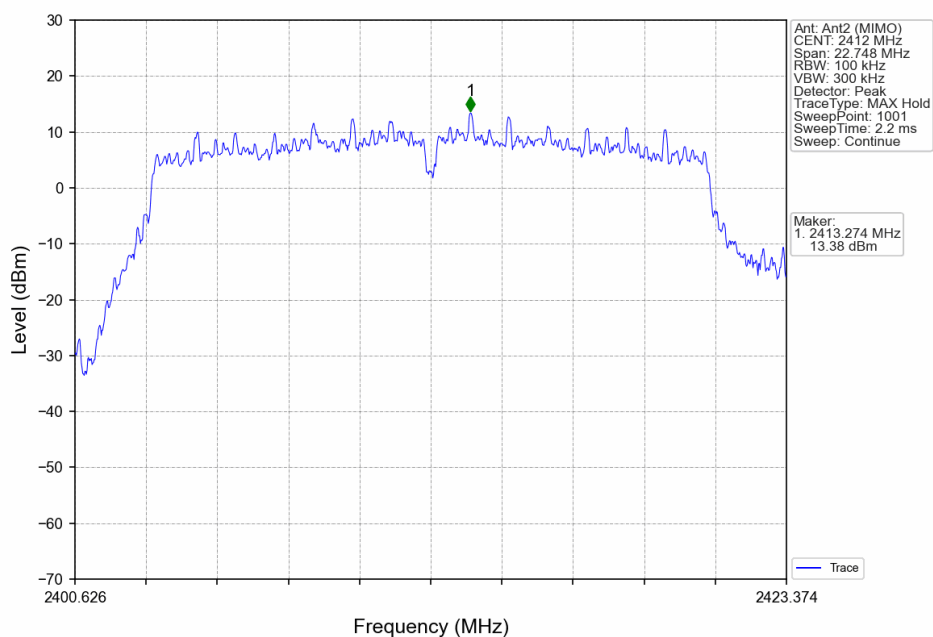
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802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



802.11n(HT20)_LCH_2412MHz_Ant2 (MIMO)_NTNV



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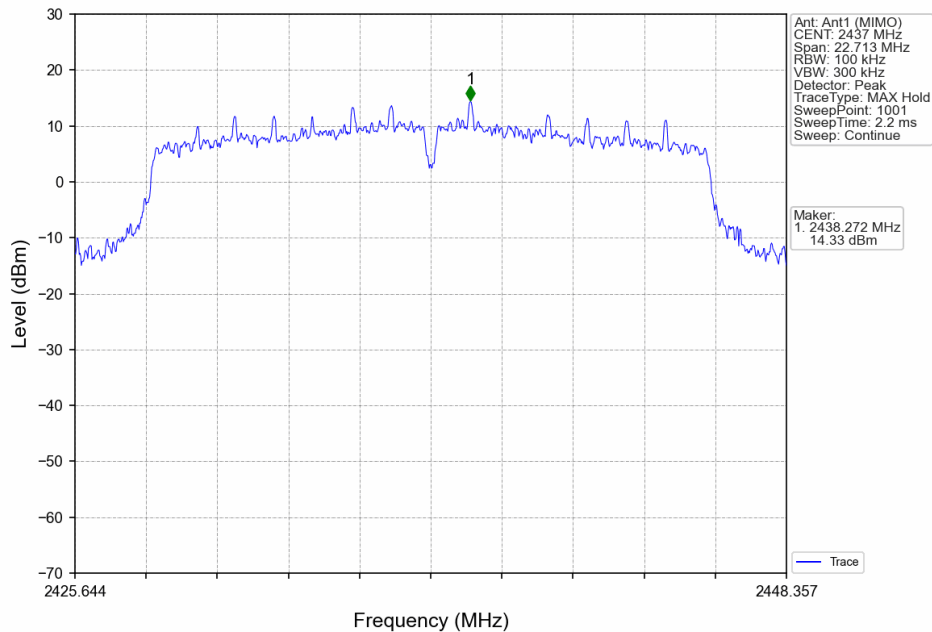
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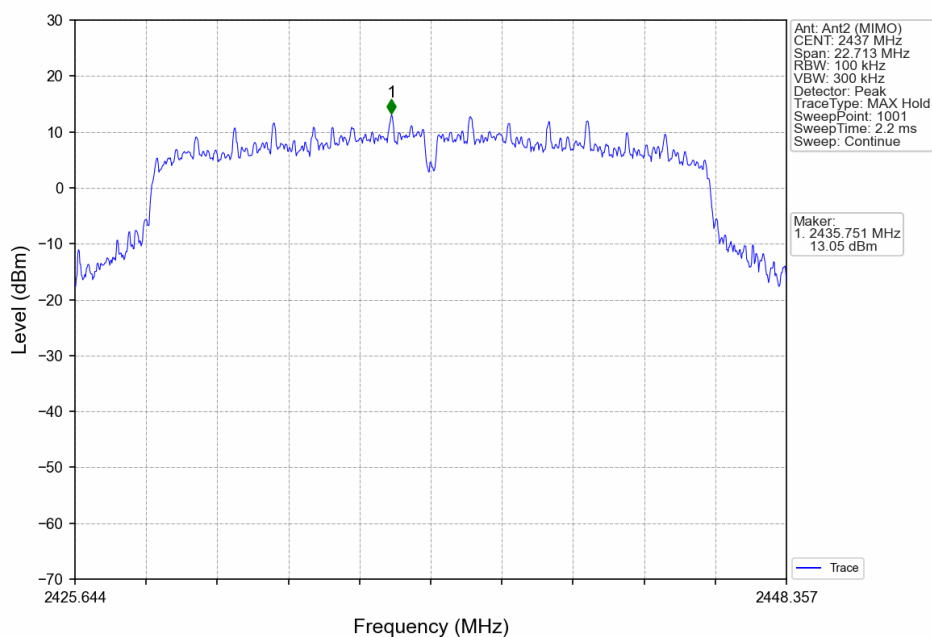
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802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant2 (MIMO)_NTNV



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