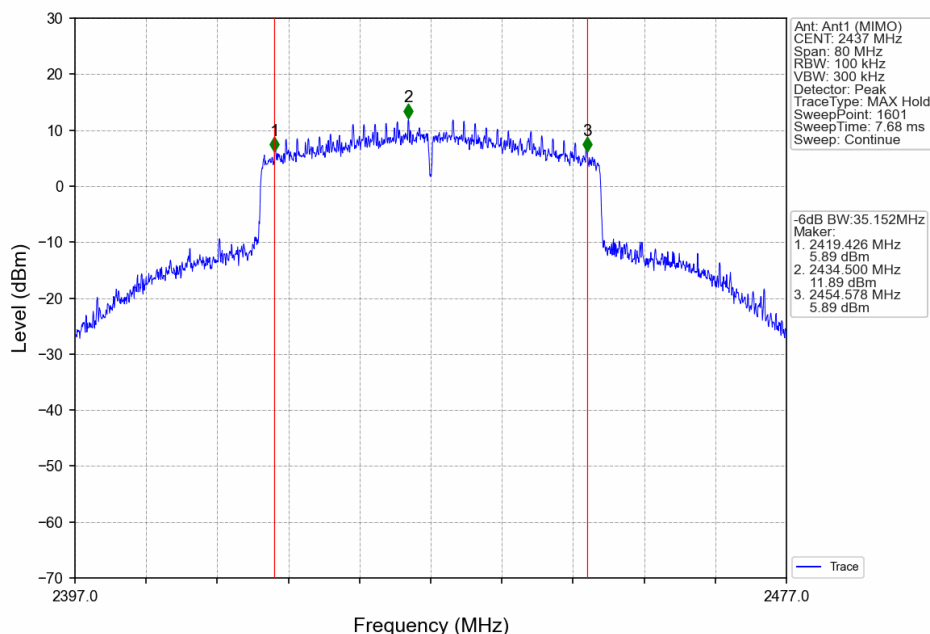
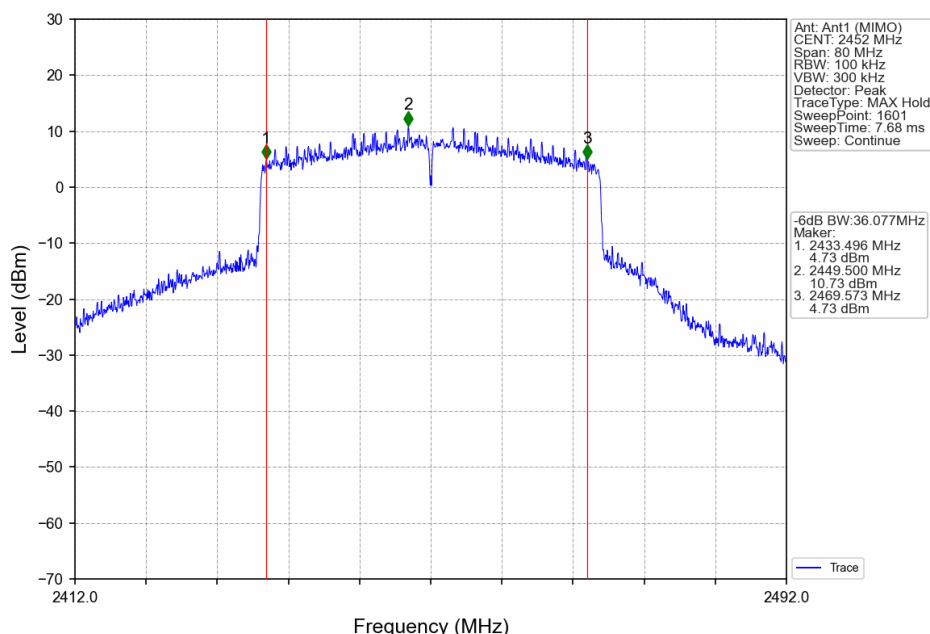


802.11ax(HEW40)_MCH_2437MHz_RU484_Left_Ant1 (MIMO)_NTNV



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	/	/	24.56	24.77	27.68	<=30	Pass
		2437	/	/	24.83	25.38	28.12	<=30	Pass
		2462	/	/	24.52	24.95	27.75	<=30	Pass
802.11g	MIMO	2412	/	/	23.13	23.20	26.18	<=30	Pass
		2437	/	/	23.46	24.02	26.76	<=30	Pass
		2462	/	/	23.23	23.75	26.51	<=30	Pass
802.11n (HT20)	MIMO	2412	/	/	22.99	23.09	26.05	<=30	Pass
		2437	/	/	24.36	24.94	27.67	<=30	Pass
		2462	/	/	24.08	24.65	27.38	<=30	Pass
802.11n (HT40)	MIMO	2422	/	/	22.32	22.26	25.30	<=30	Pass
		2437	/	/	24.47	24.89	27.70	<=30	Pass
		2452	/	/	23.35	23.80	26.59	<=30	Pass
802.11ax (HEW20)	MIMO	2412	RU242	Left	23.11	23.22	26.18	<=30	Pass
		2437	RU242	Left	24.44	24.93	27.70	<=30	Pass
		2462	RU242	Left	24.23	24.69	27.48	<=30	Pass
802.11ax (HEW40)	MIMO	2422	RU484	Left	21.36	21.28	24.33	<=30	Pass
		2437	RU484	Left	24.69	25.16	27.94	<=30	Pass
		2452	RU484	Left	23.57	24.01	26.81	<=30	Pass

Note1: Antenna Gain: Ant1: 3.14dBi ; Ant2: 3.53dBi

Note2: Directional Gain: 3.53dBi



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4. Maximum Power Spectral Density

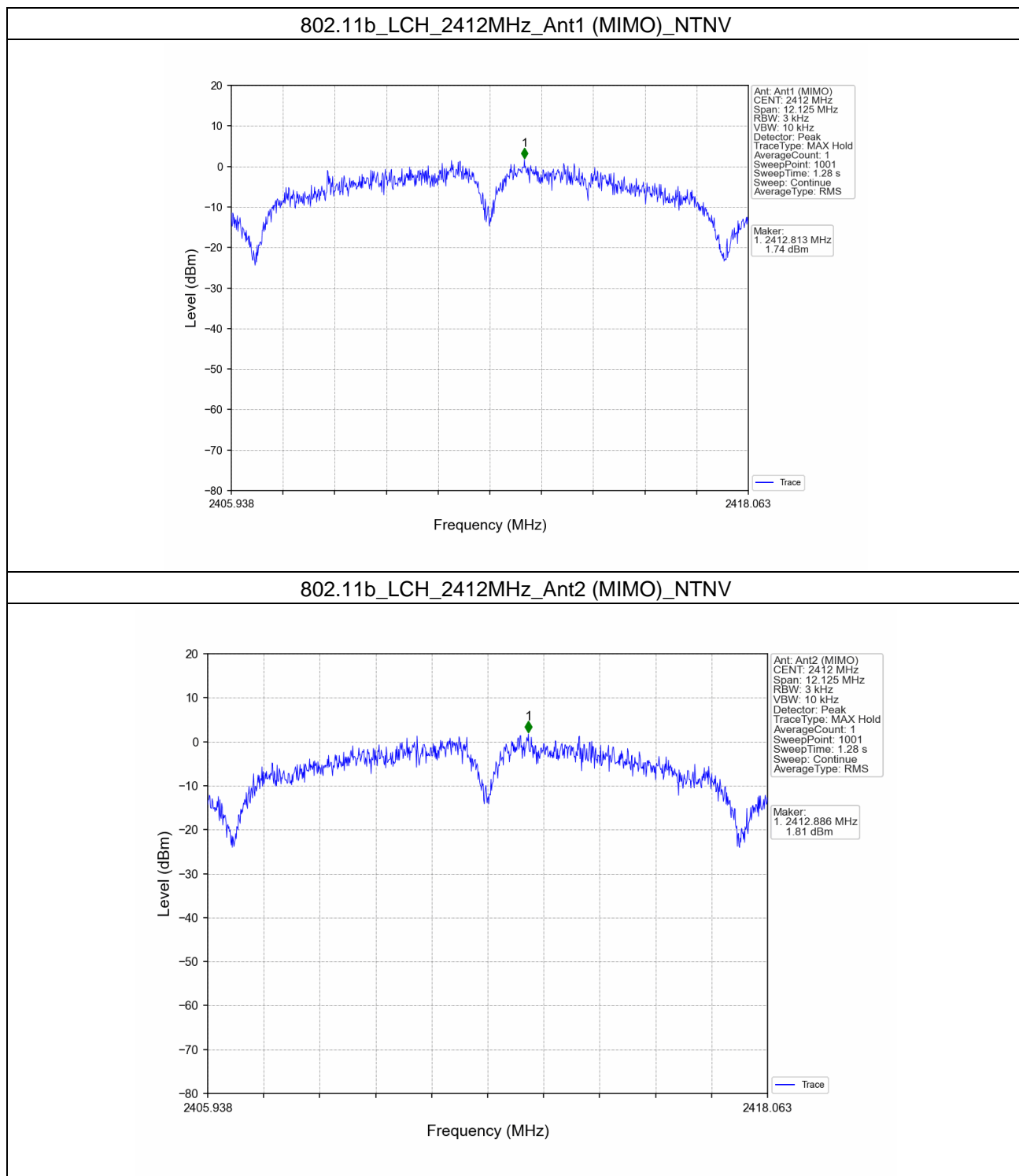
4.1 PSD

4.1.1 Test Result

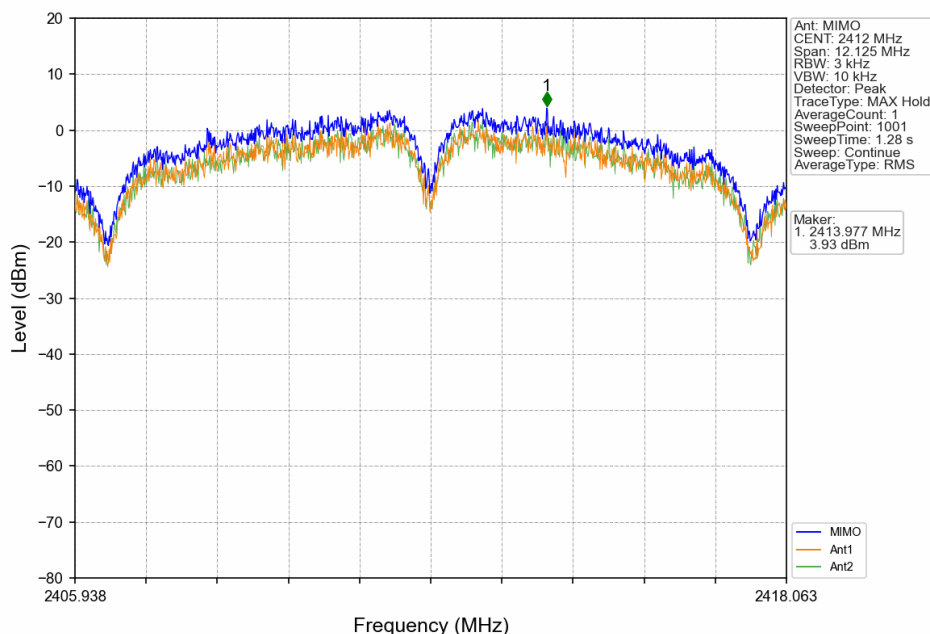
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/3kHz)				Verdict
					ANT1	ANT2	MIMO	Limit	
802.11b	MIMO	2412	/	/	1.74	1.81	3.93	<=8	Pass
		2437	/	/	1.73	2.35	4.21	<=8	Pass
		2462	/	/	2.36	2.66	4.82	<=8	Pass
802.11g	MIMO	2412	/	/	-1.10	-2.55	0.80	<=8	Pass
		2437	/	/	-1.73	-0.16	1.46	<=8	Pass
		2462	/	/	-0.47	1.36	2.32	<=8	Pass
802.11n (HT20)	MIMO	2412	/	/	-2.36	-2.43	0.61	<=8	Pass
		2437	/	/	-0.09	-0.01	1.43	<=8	Pass
		2462	/	/	-0.07	-0.02	2.09	<=8	Pass
802.11n (HT40)	MIMO	2422	/	/	-4.75	-5.61	-2.69	<=8	Pass
		2437	/	/	-2.76	-2.37	-0.42	<=8	Pass
		2452	/	/	-4.79	-3.56	-1.82	<=8	Pass
802.11ax (HEW20)	MIMO	2412	RU242	Left	-2.96	-2.63	-0.62	<=8	Pass
		2437	RU242	Left	-1.29	-1.06	1.51	<=8	Pass
		2462	RU242	Left	-2.11	0.27	1.13	<=8	Pass
802.11ax (HEW40)	MIMO	2422	RU484	Left	-7.78	-7.87	-5.54	<=8	Pass
		2437	RU484	Left	-4.08	-2.73	-1.62	<=8	Pass
		2452	RU484	Left	-5.14	-4.73	-2.41	<=8	Pass



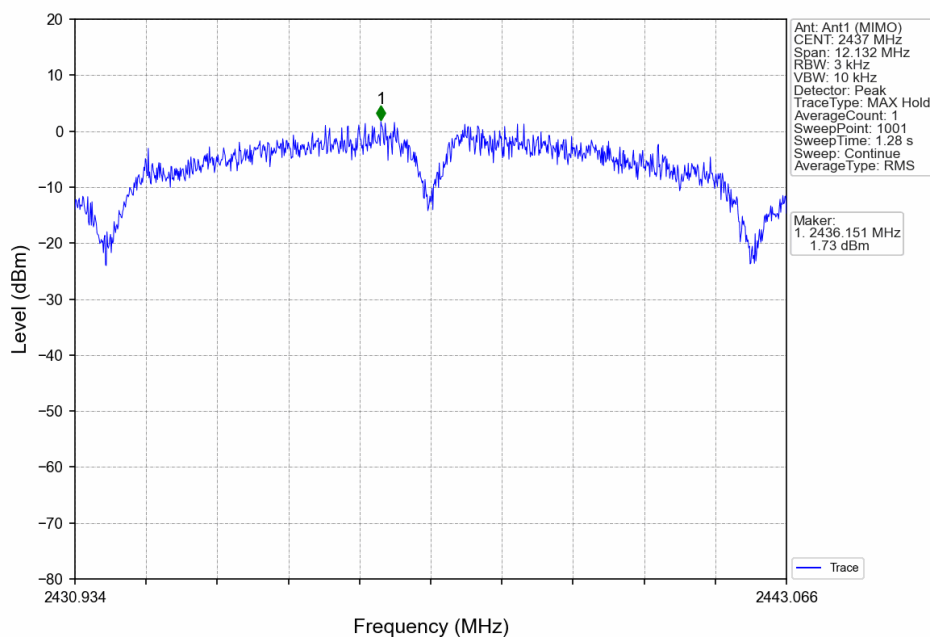
4.1.2 Test Graph



802.11b_LCH_2412MHz_MIMO_NTNV



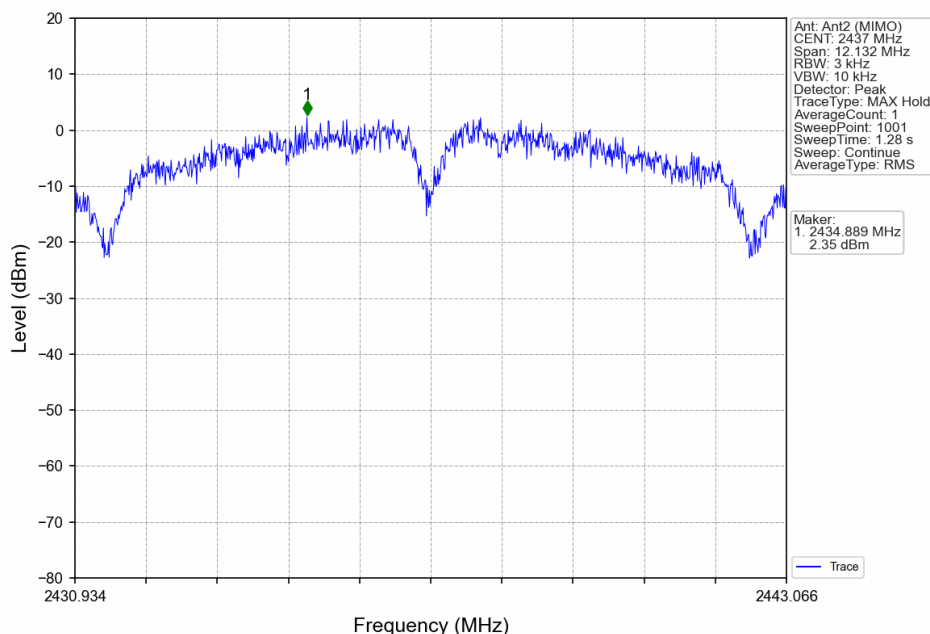
802.11b_MCH_2437MHz_Ant1 (MIMO)_NTNV



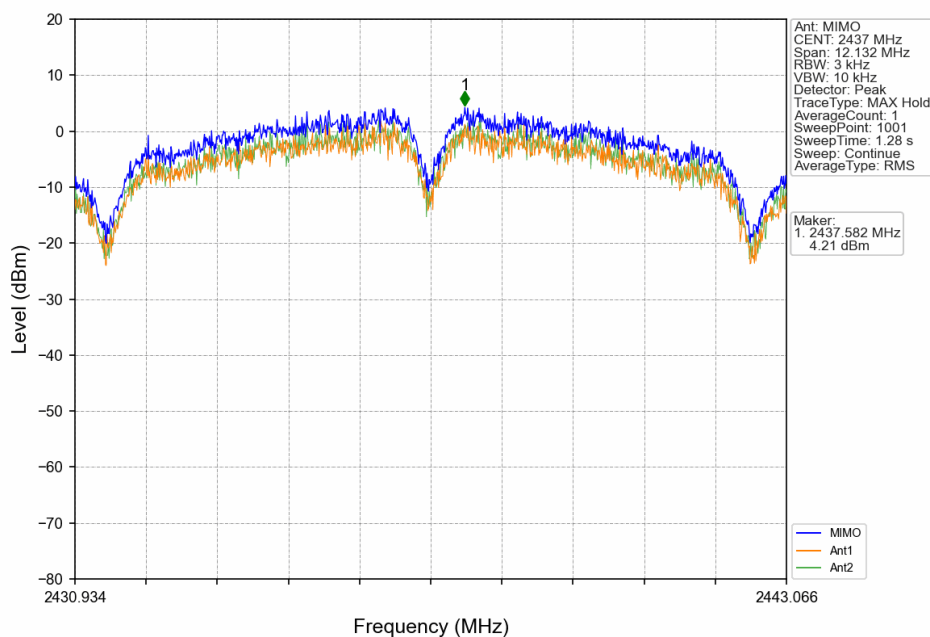
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802.11b_MCH_2437MHz_Ant2 (MIMO)_NTNV



802.11b_MCH_2437MHz_MIMO_NTNV



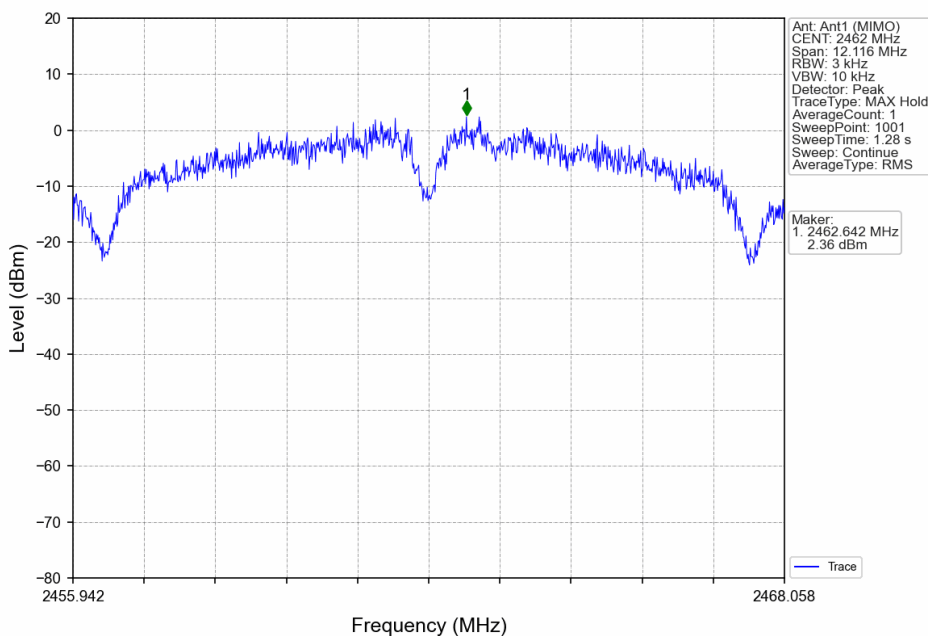
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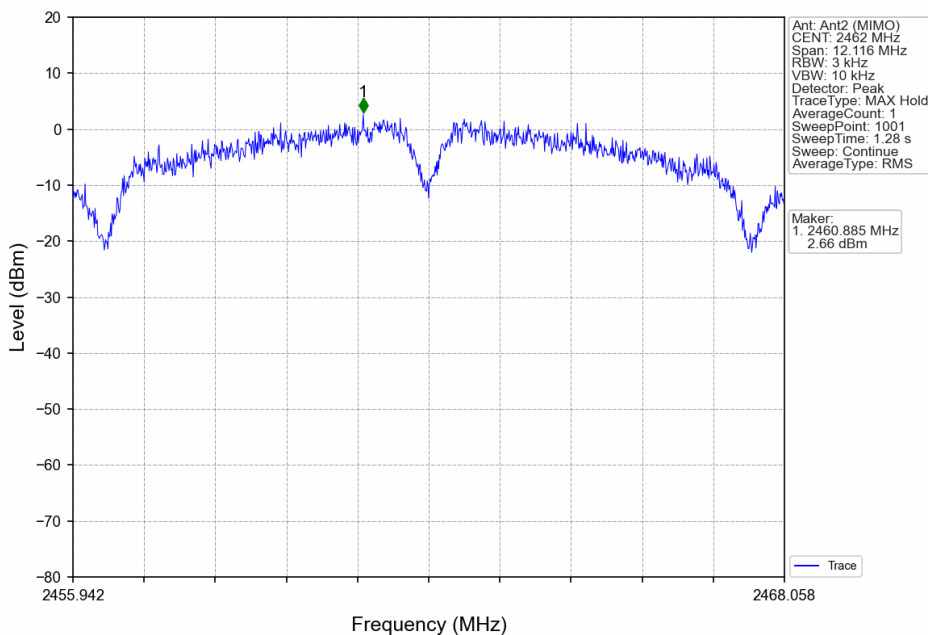
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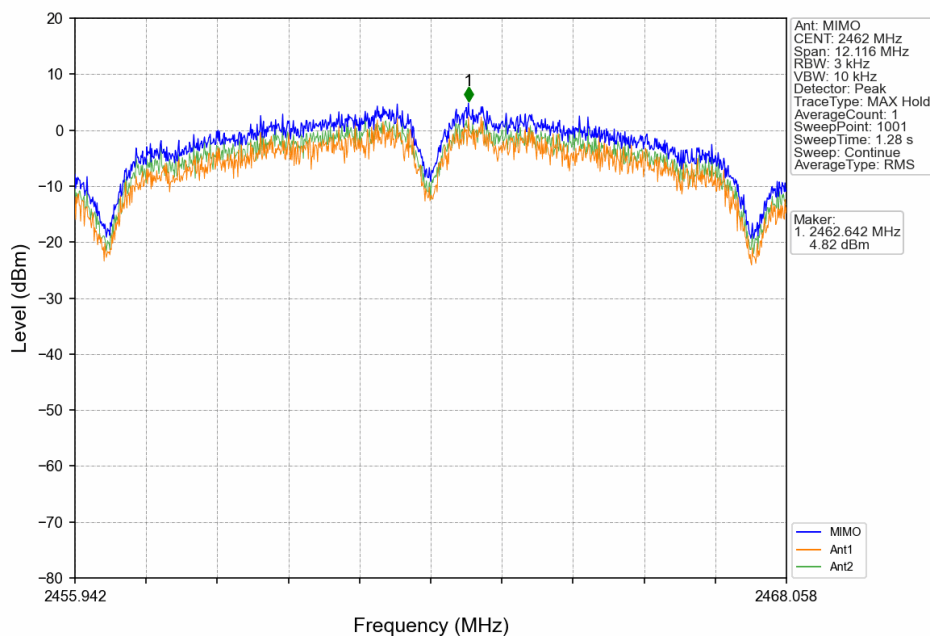
802.11b_HCH_2462MHz_Ant1 (MIMO)_NTNV



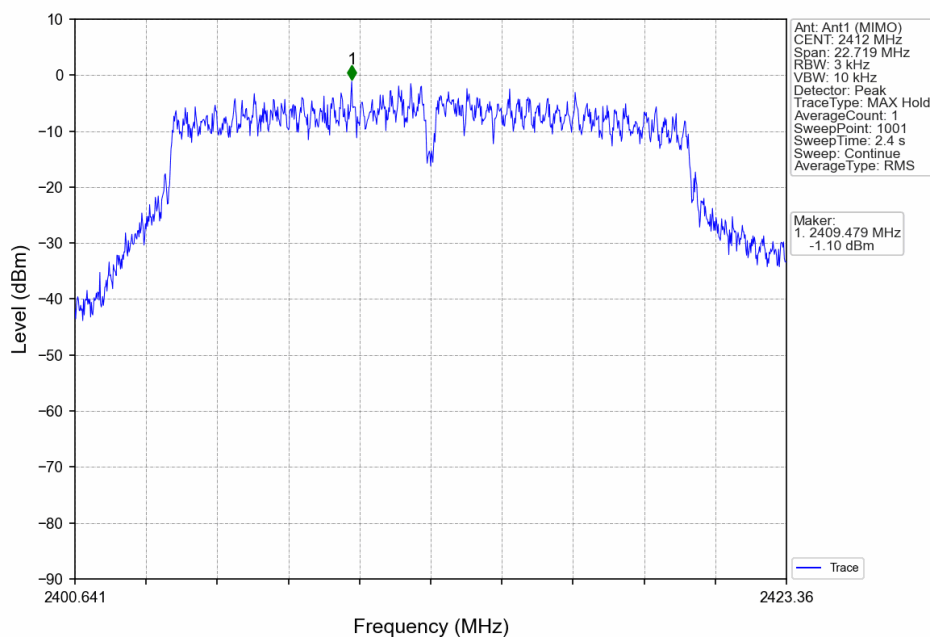
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802.11b_HCH_2462MHz_MIMO_NTNV



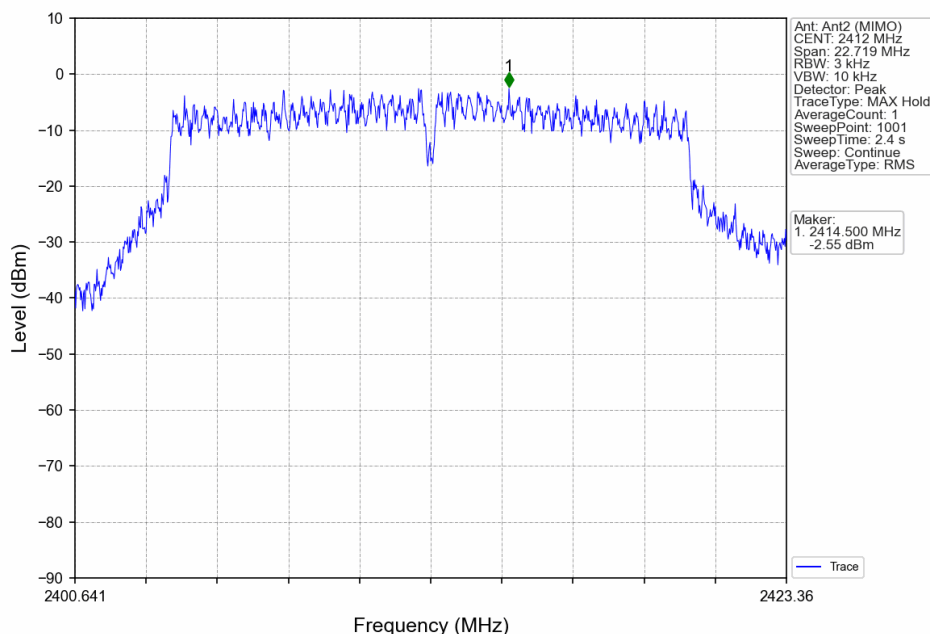
802.11g_LCH_2412MHz_Ant1 (MIMO)_NTNV



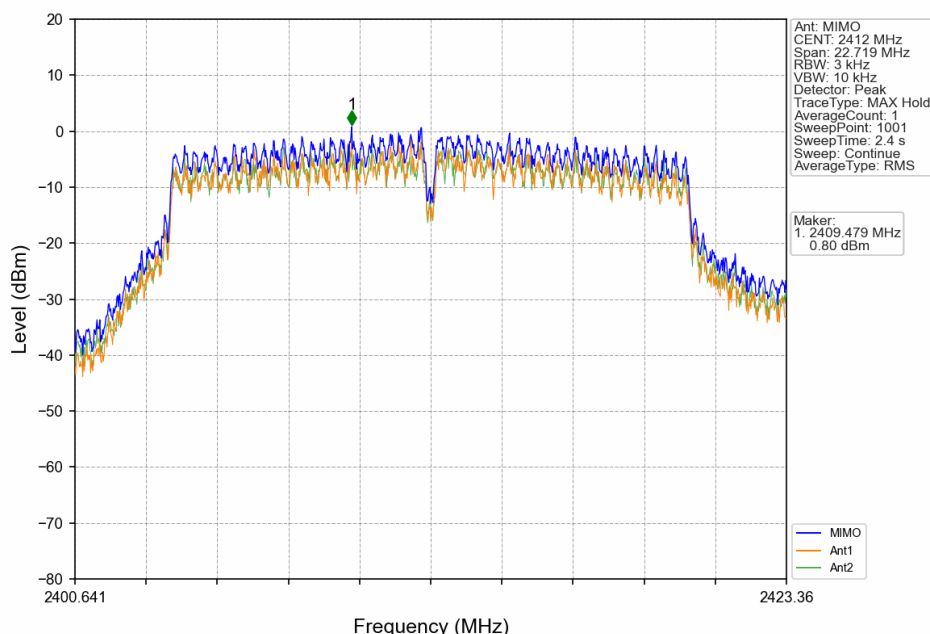
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802.11g_LCH_2412MHz_Ant2 (MIMO)_NTNV



802.11g_LCH_2412MHz_MIMO_NTNV



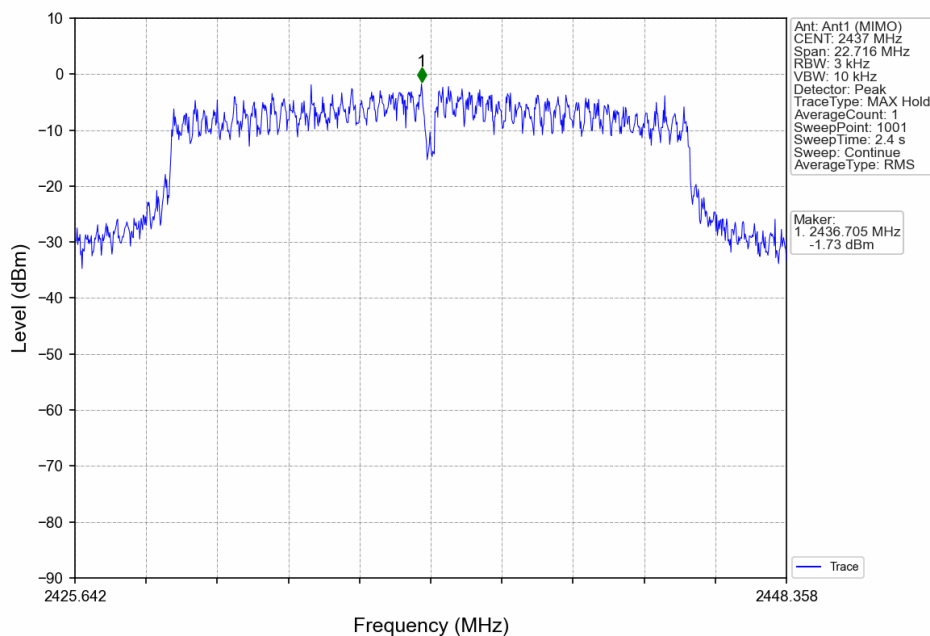
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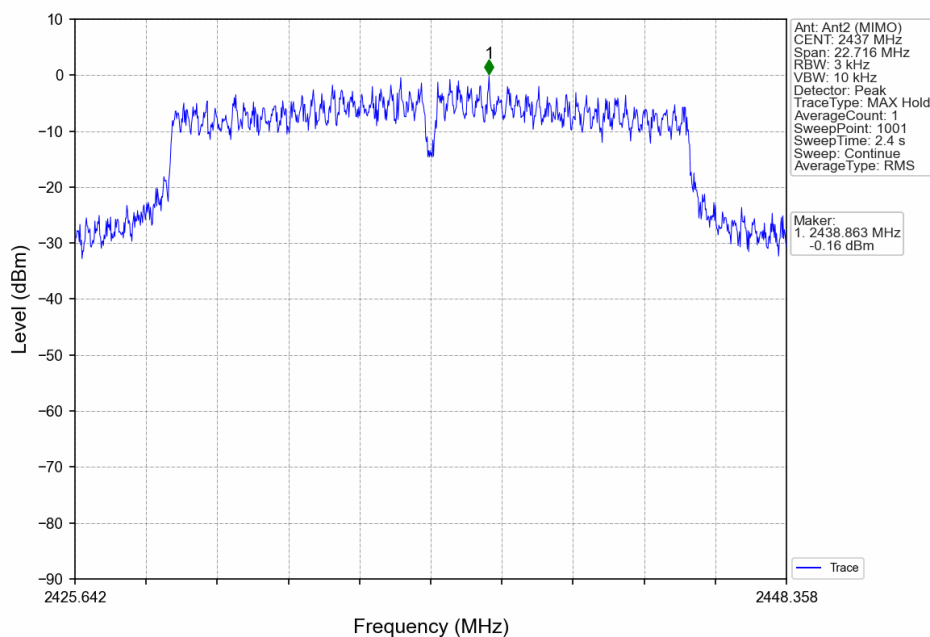
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802.11g_MCH_2437MHz_Ant1 (MIMO)_NTNV



802.11g_MCH_2437MHz_Ant2 (MIMO)_NTNV



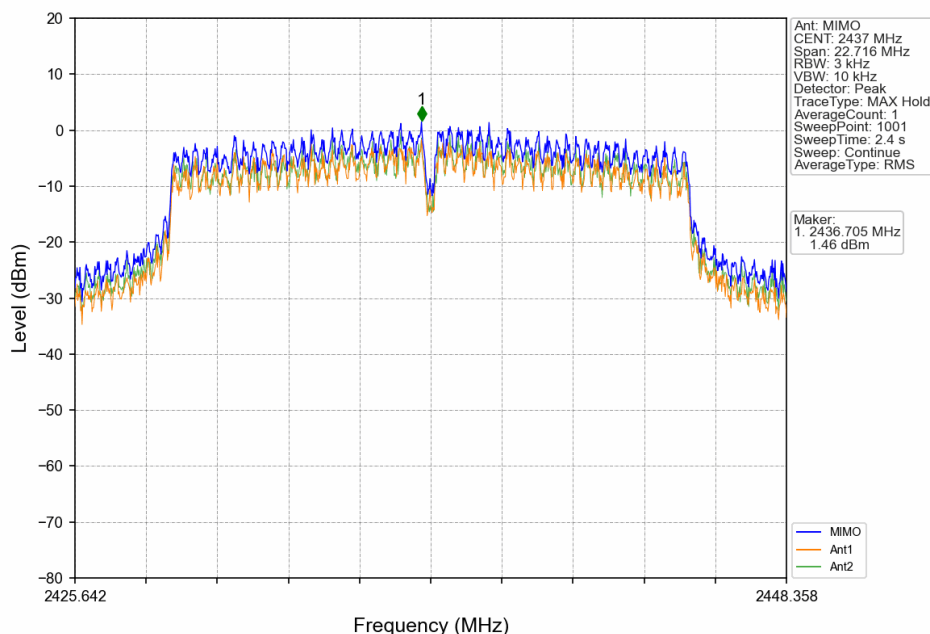
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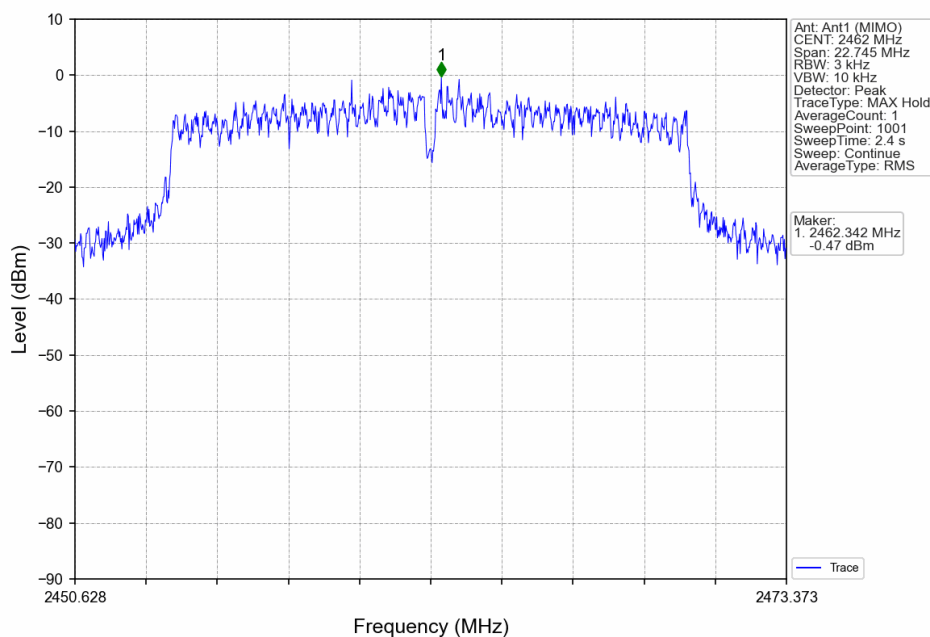
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802.11g_MCH_2437MHz_MIMO_NTNV



802.11g_HCH_2462MHz_Ant1 (MIMO)_NTNV



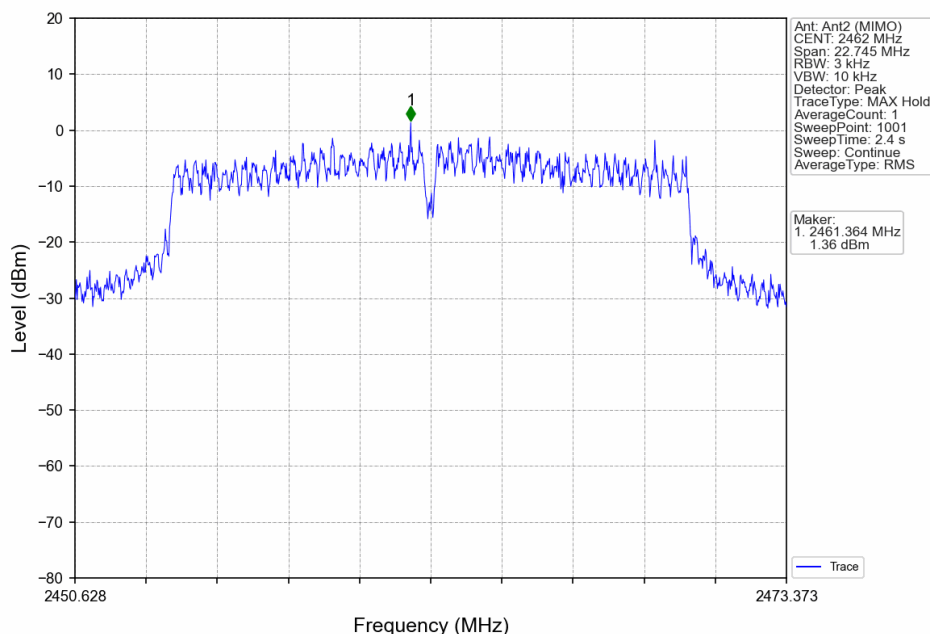
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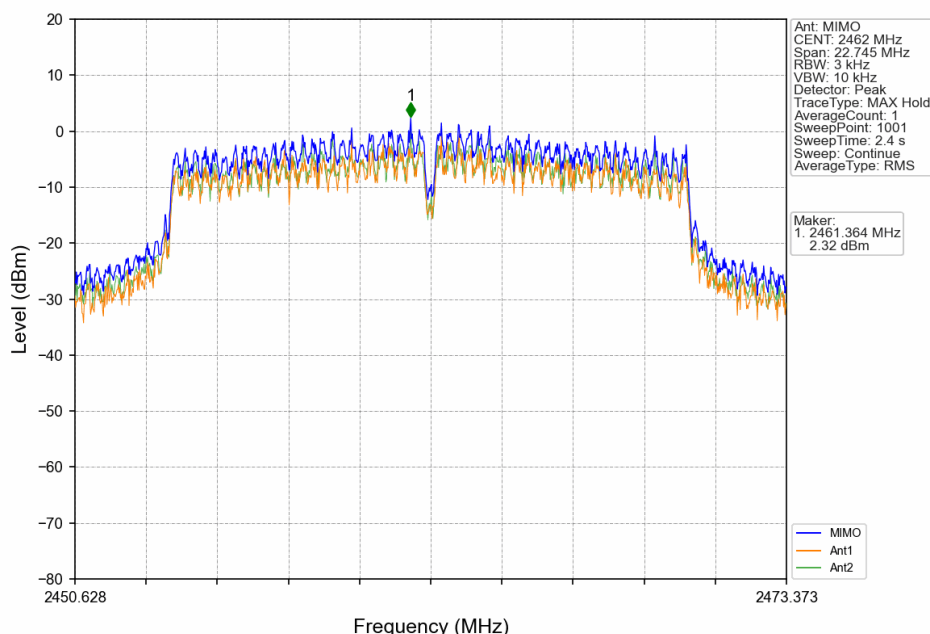
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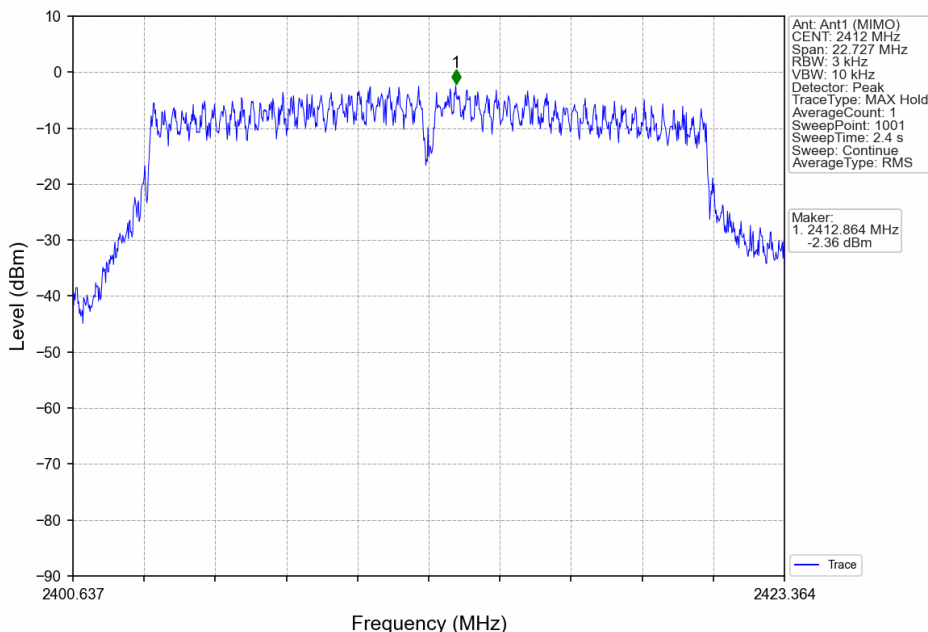
802.11g_HCH_2462MHz_Ant2 (MIMO)_NTNV



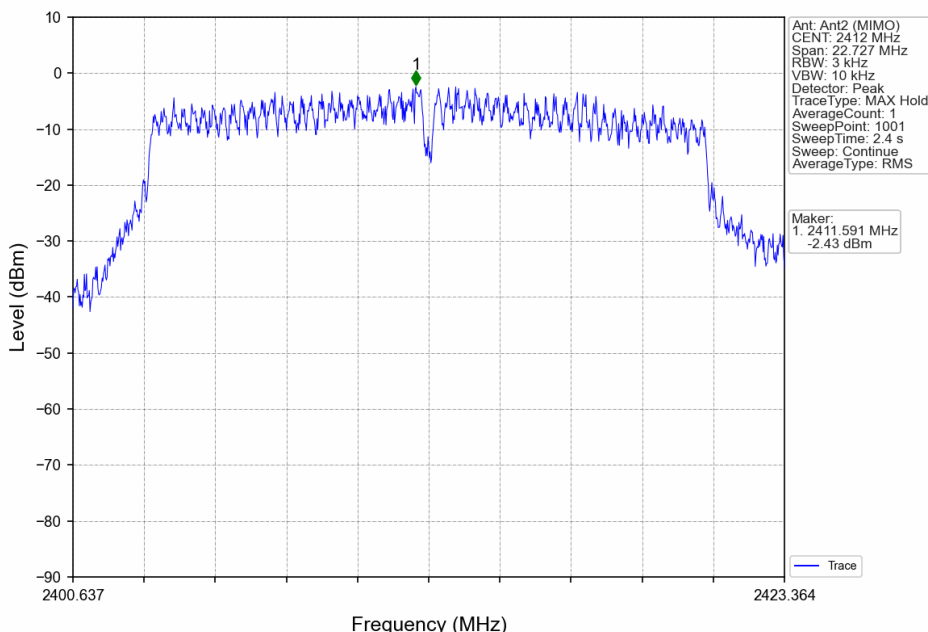
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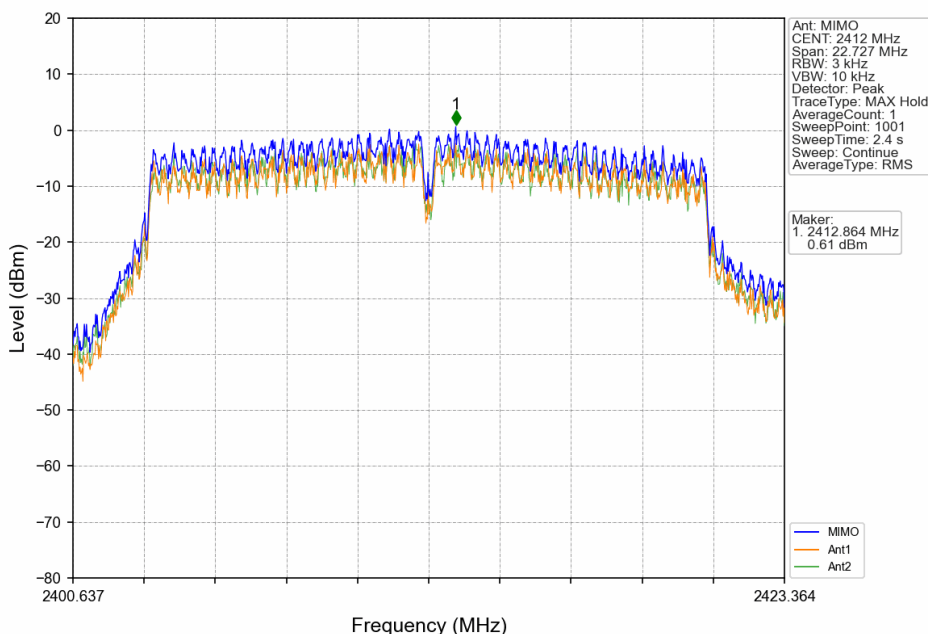
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



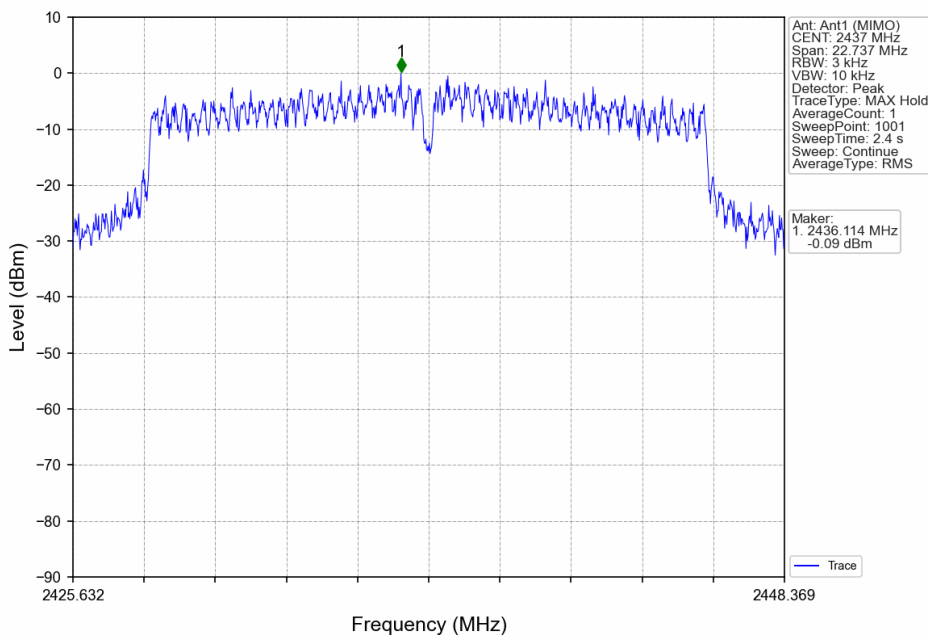
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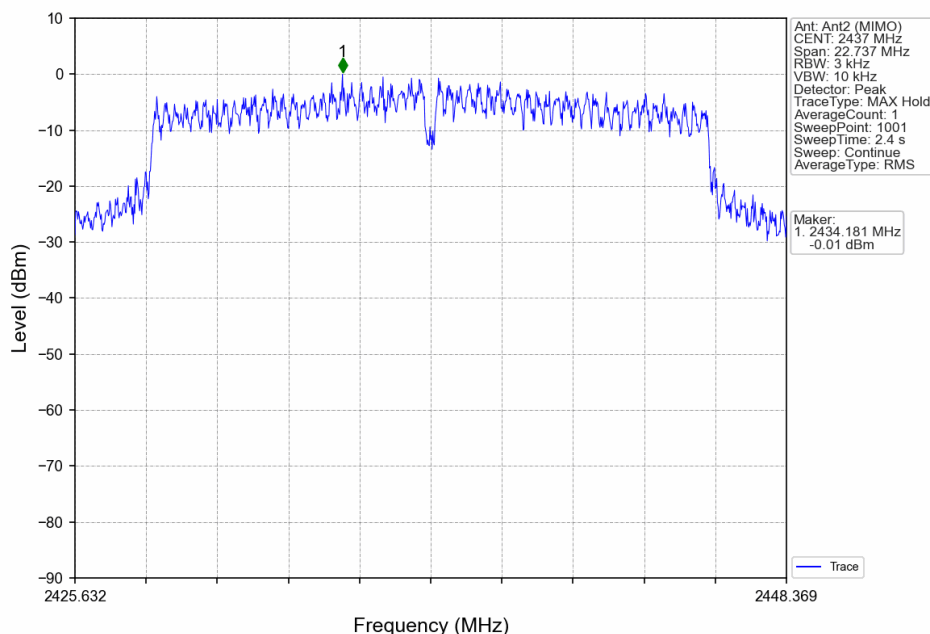
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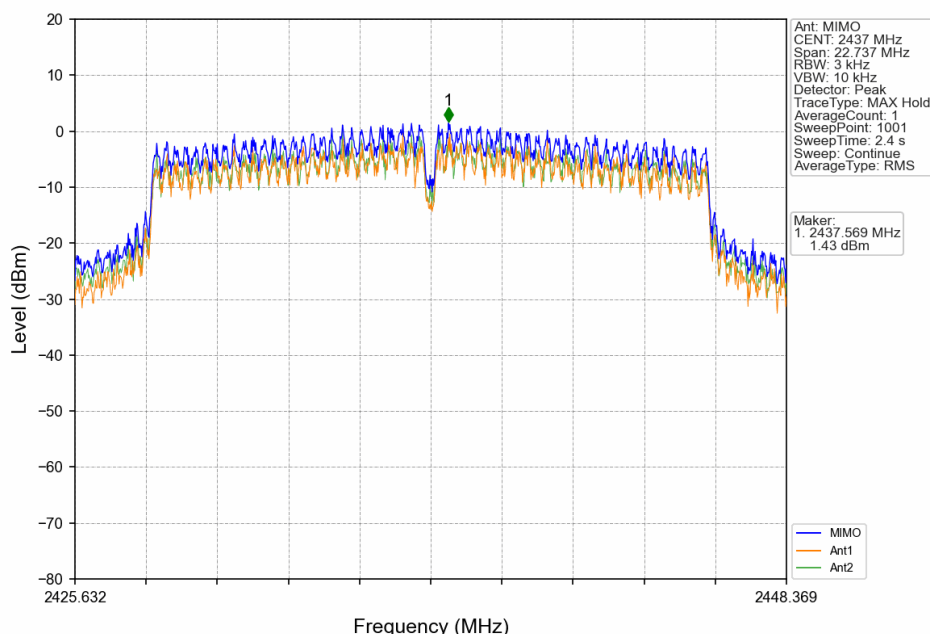
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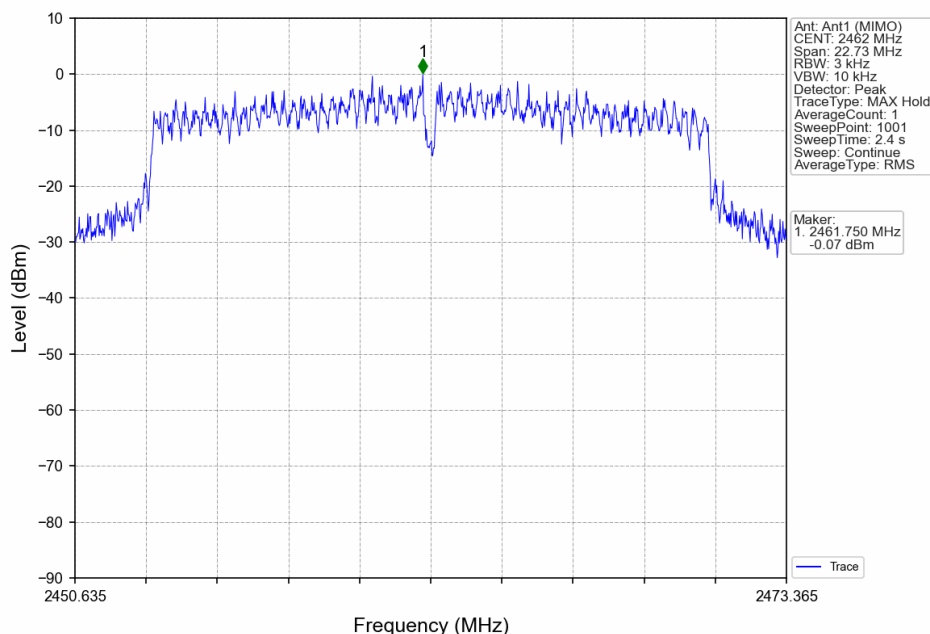
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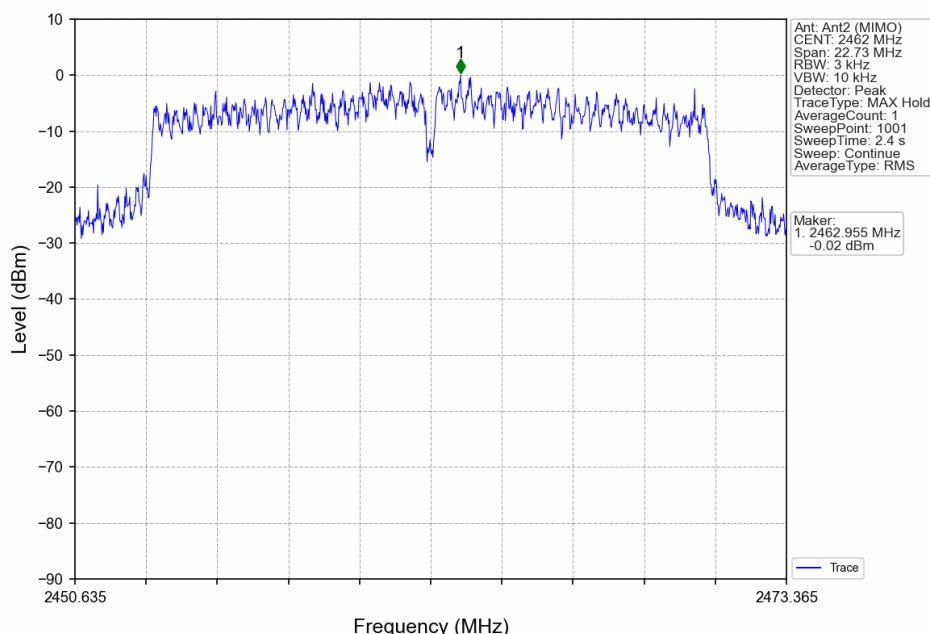
802.11n(HT20)_MCH_2437MHz_MIMO_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant2 (MIMO)_NTNV



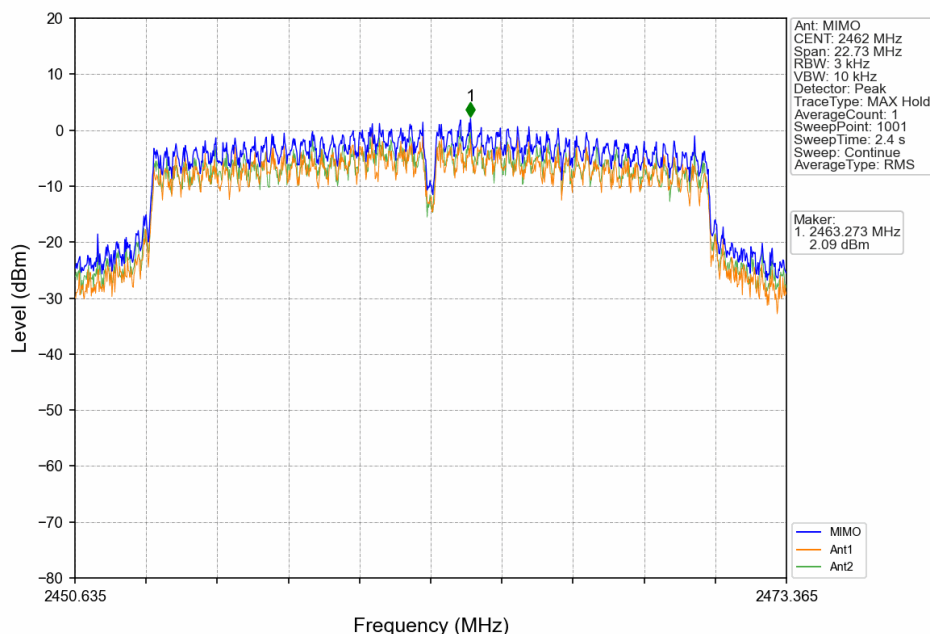
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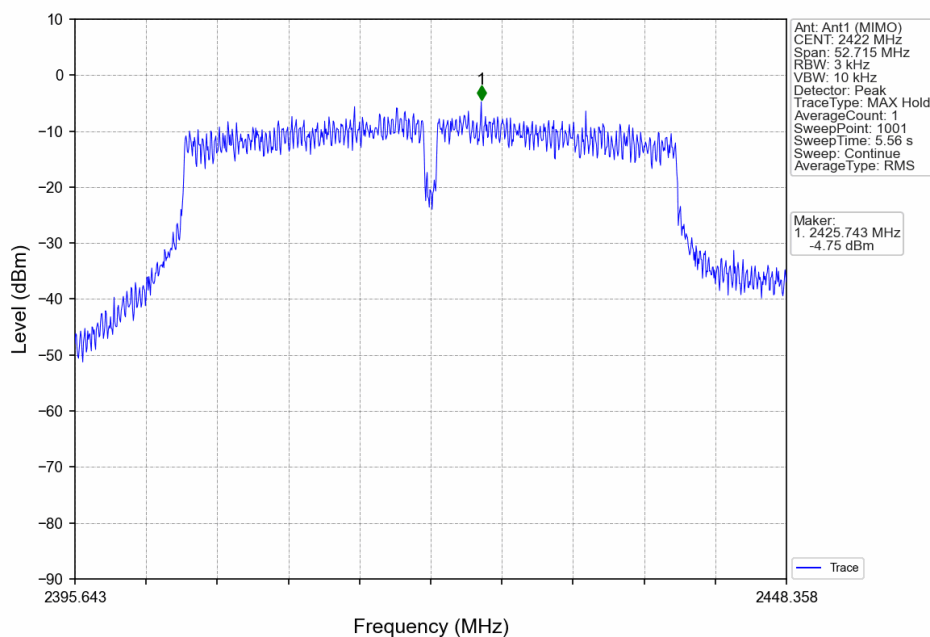
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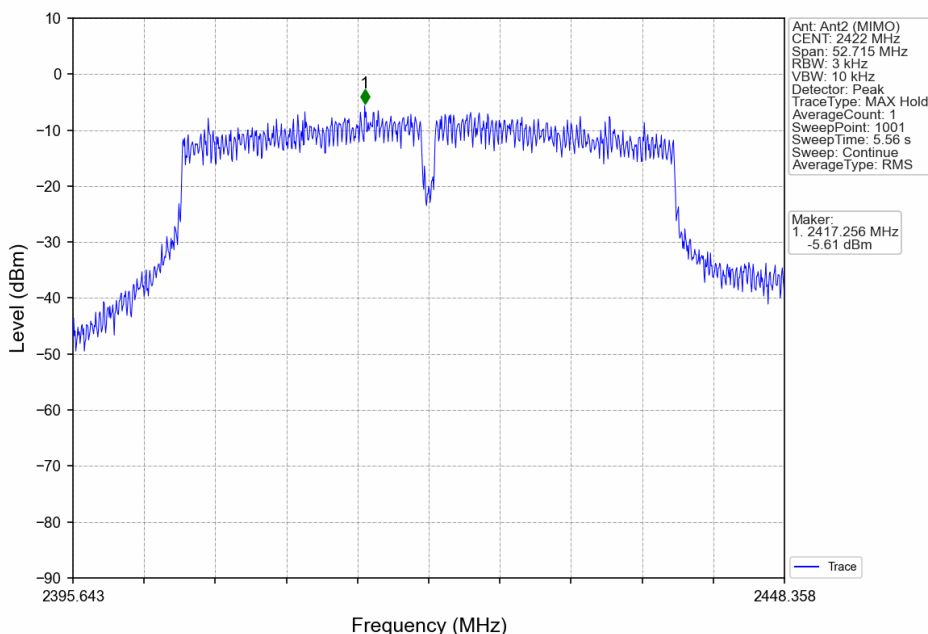
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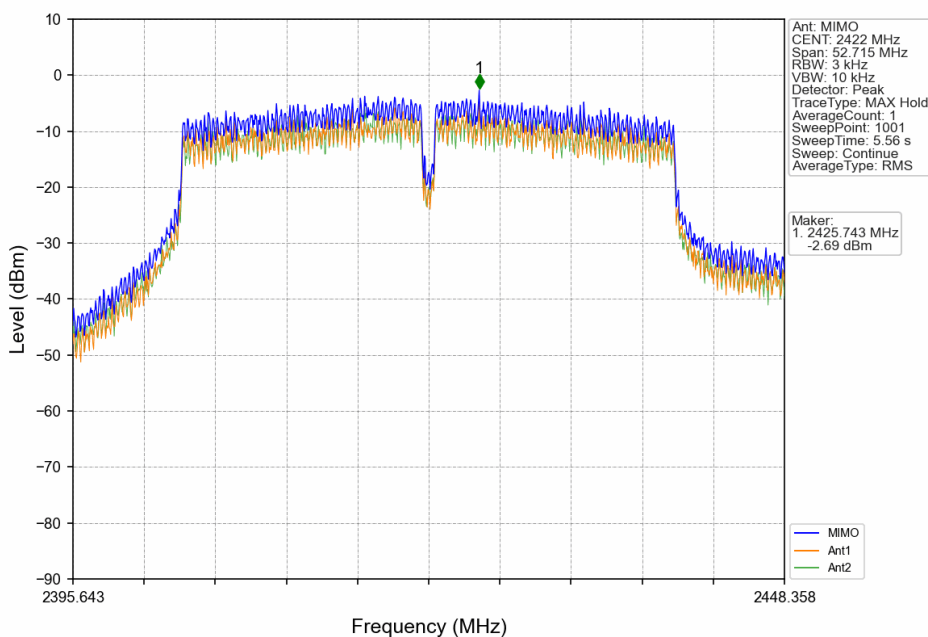
802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant2 (MIMO)_NTNV



802.11n(HT40)_LCH_2422MHz_MIMO_NTNV



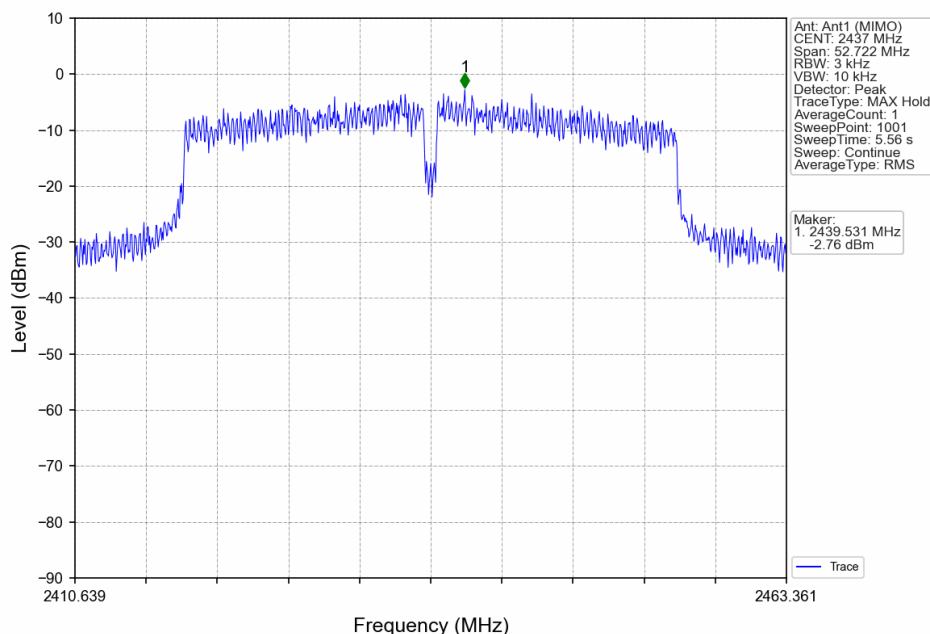
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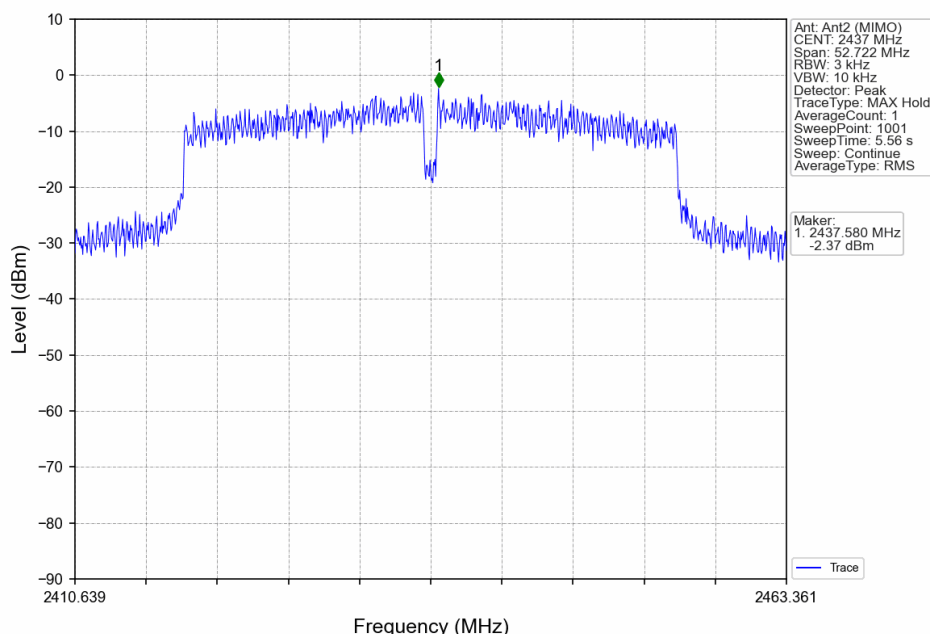
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802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant2 (MIMO)_NTNV



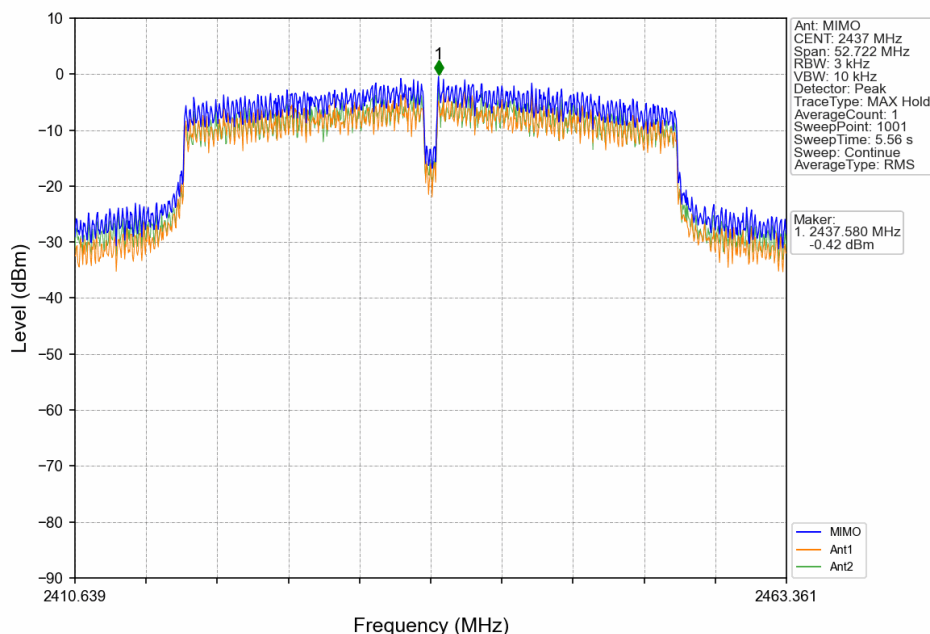
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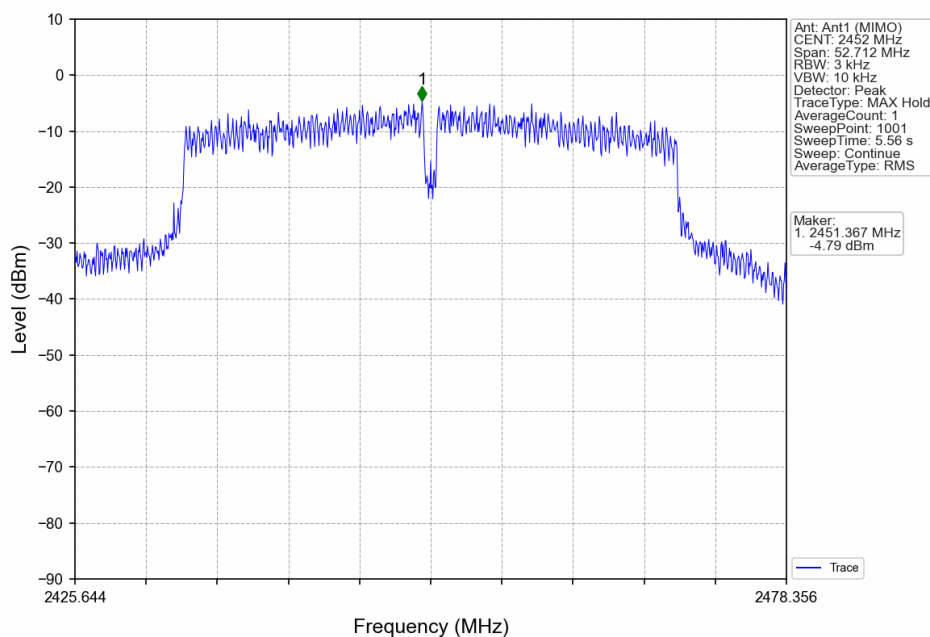
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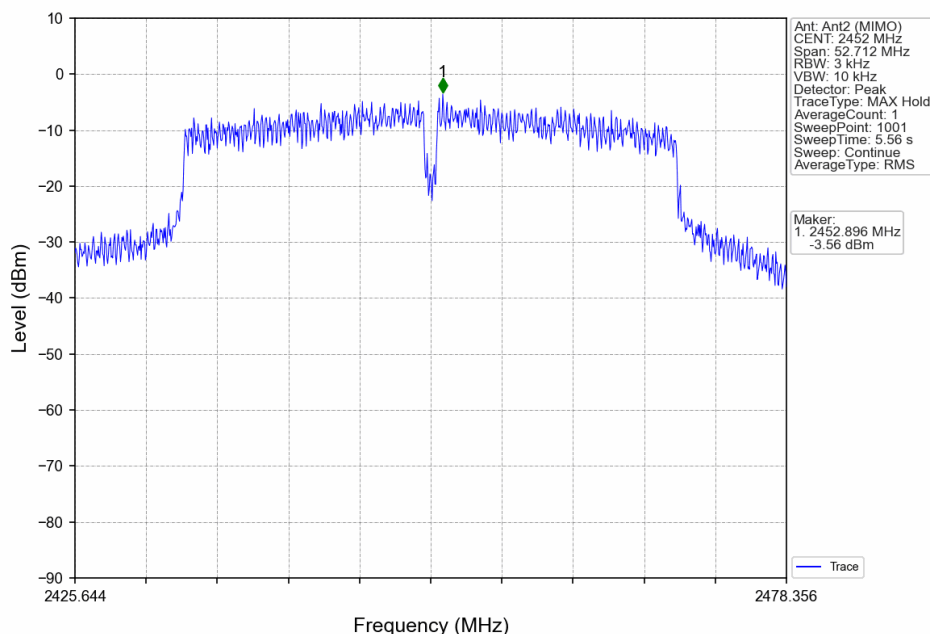
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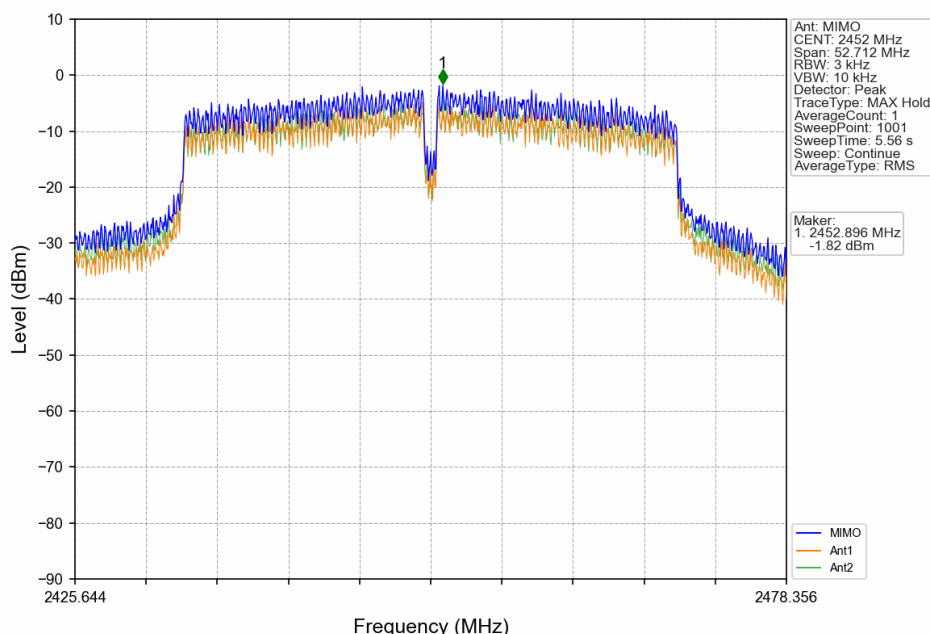
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802.11n(HT40)_HCH_2452MHz_Ant2 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_MIMO_NTNV



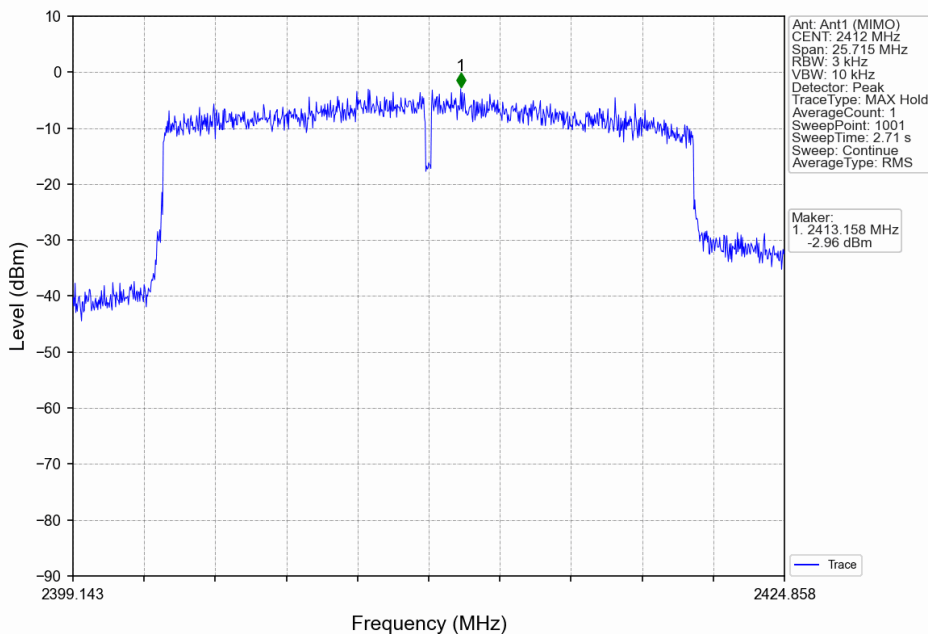
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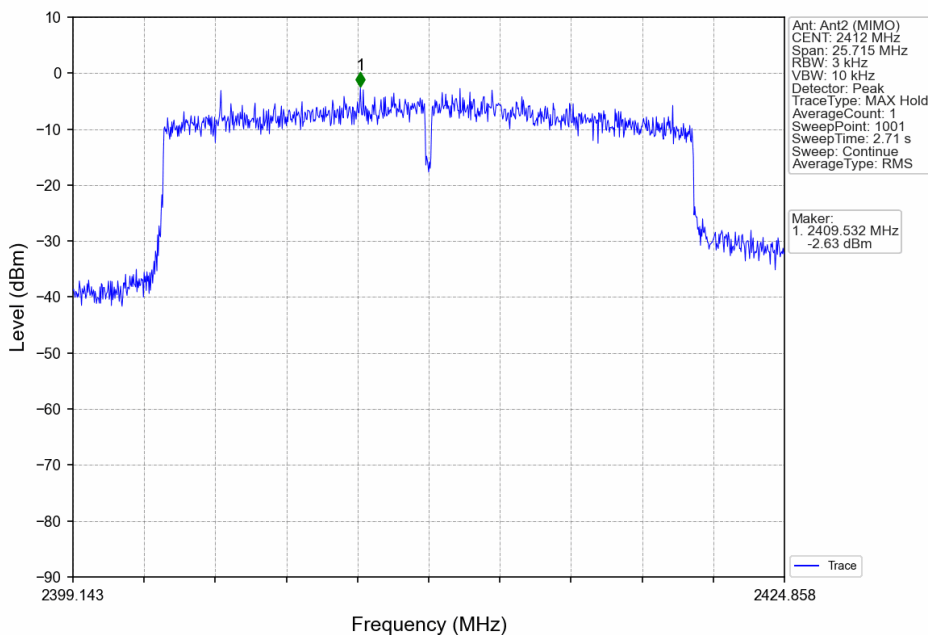
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802.11ax(HEW20)_LCH_2412MHz_RU242_Left_Ant1 (MIMO)_NTNV



802.11ax(HEW20)_LCH_2412MHz_RU242_Left_Ant2 (MIMO)_NTNV



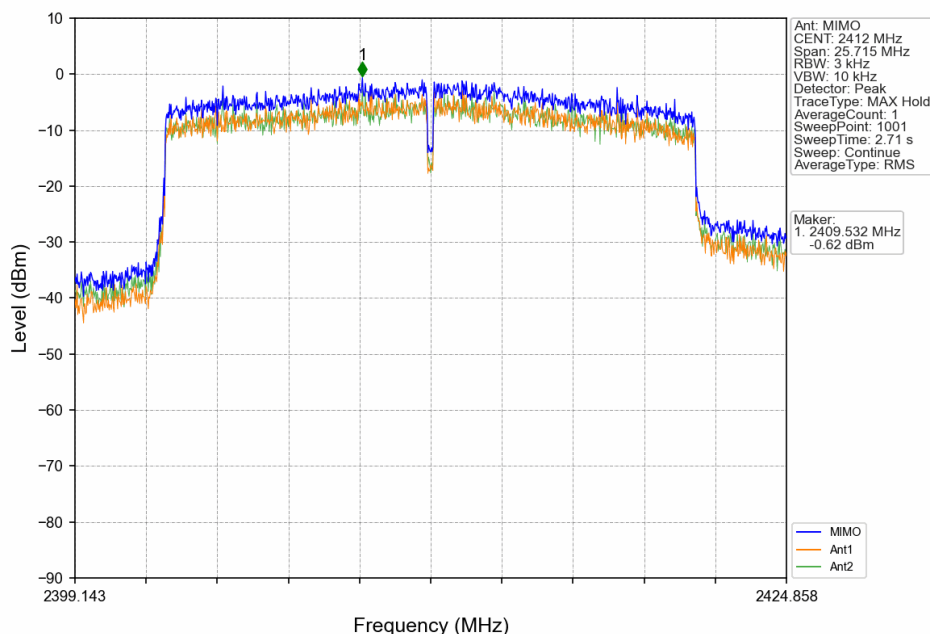
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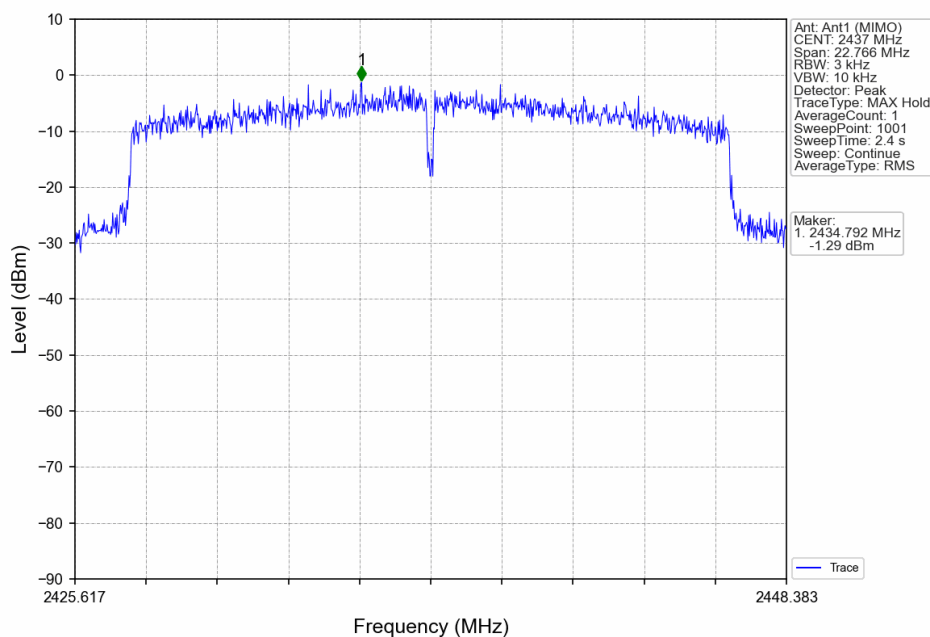
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802.11ax(HEW20)_LCH_2412MHz_RU242_Left_MIMO_NTNV



802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant1 (MIMO)_NTNV



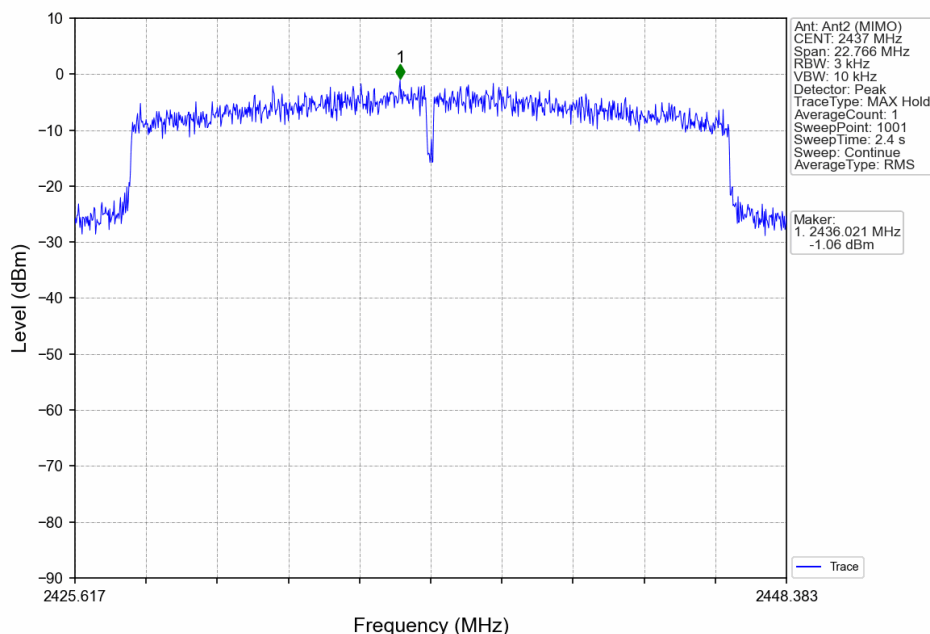
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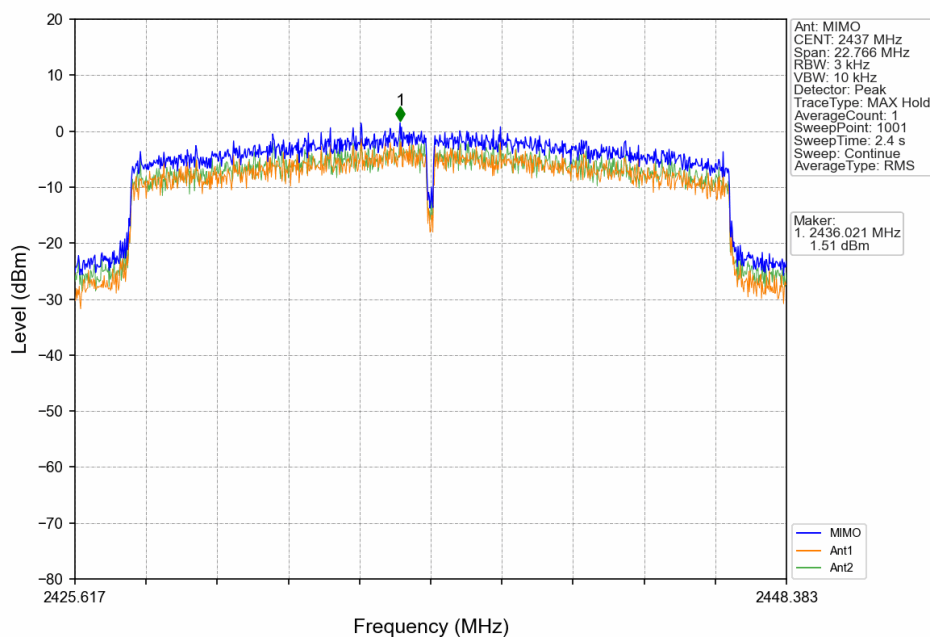
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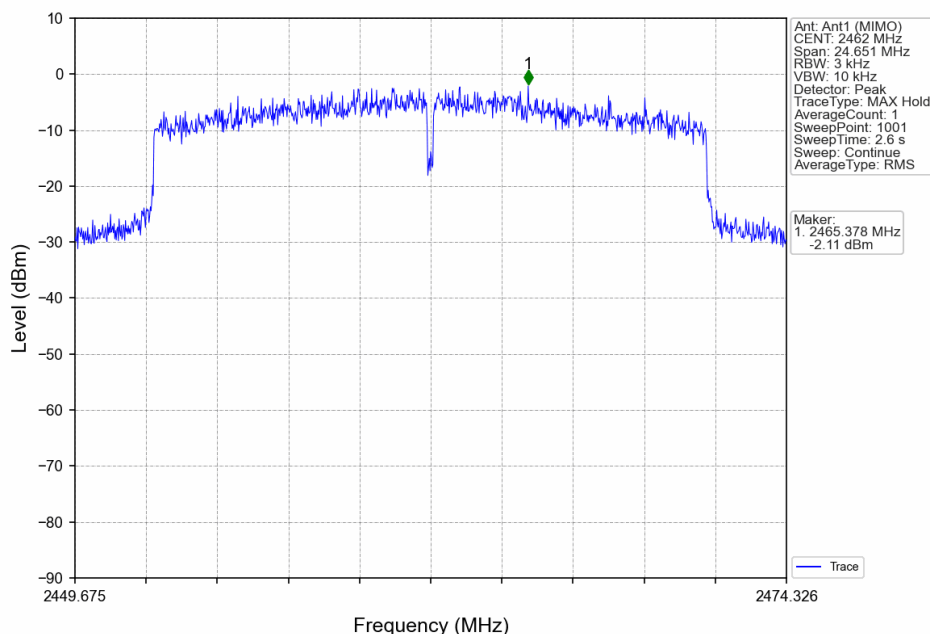
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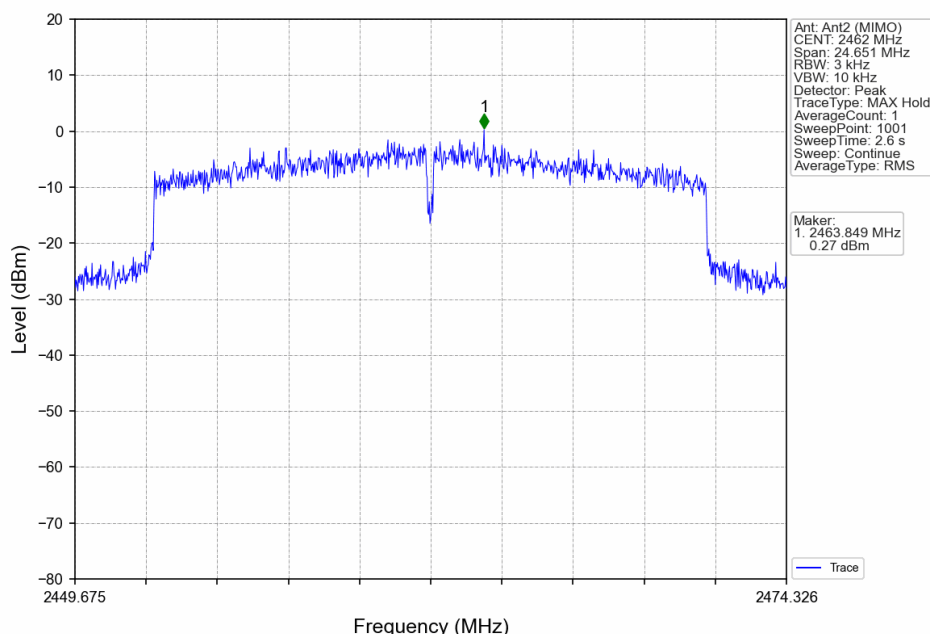
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802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant1 (MIMO)_NTNV



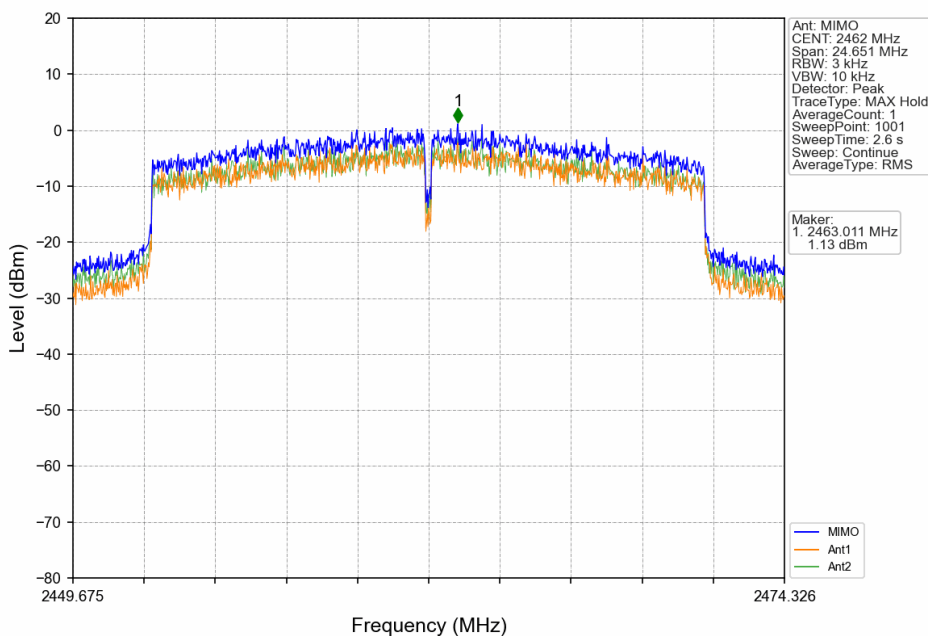
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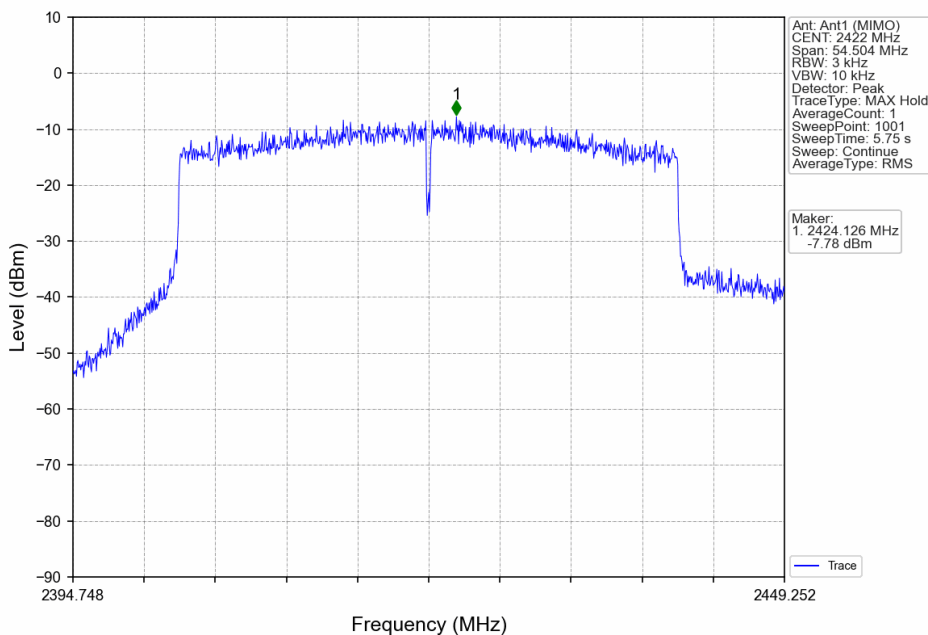
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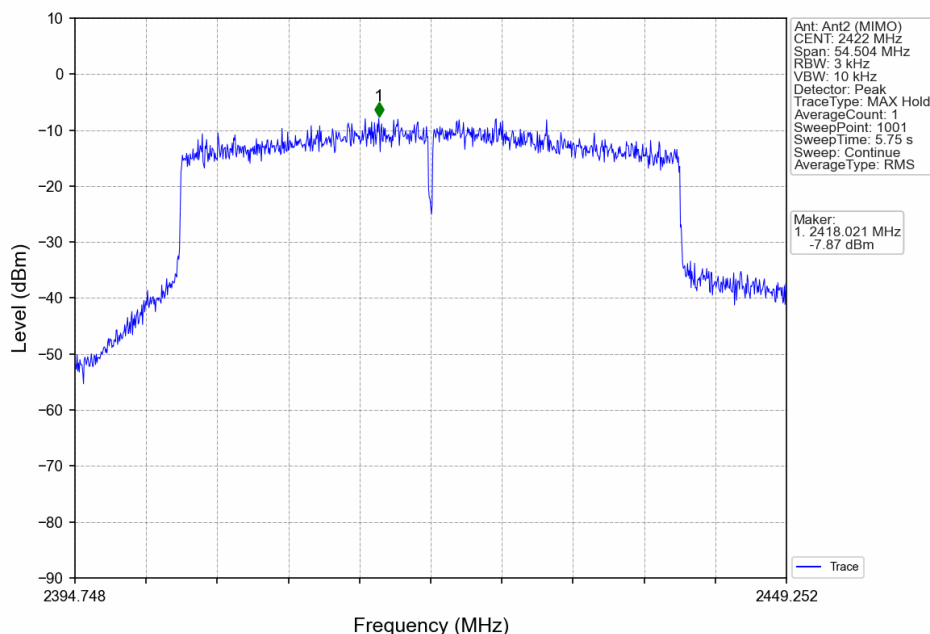
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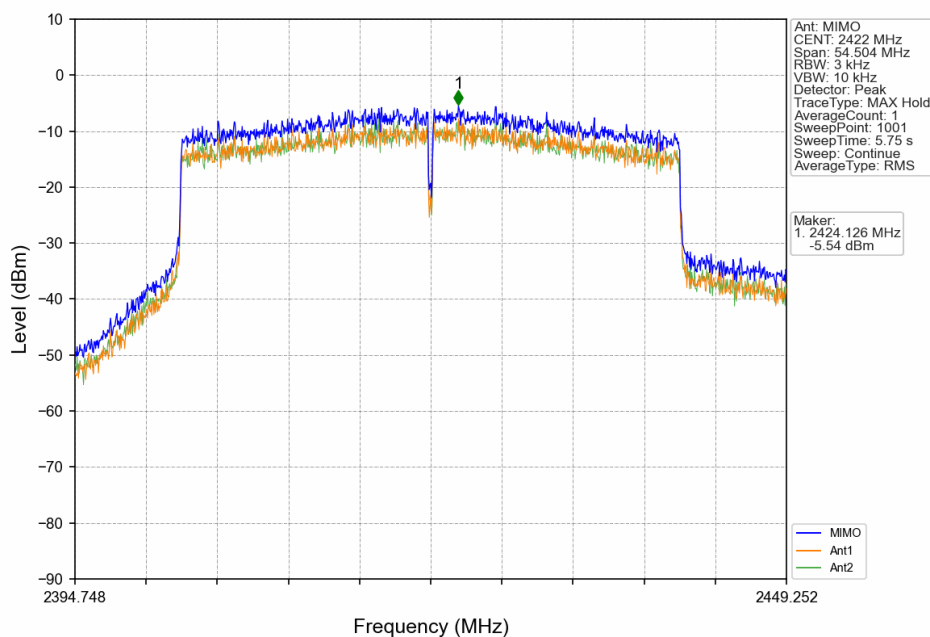
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802.11ax(HEW40)_LCH_2422MHz_RU484_Left_MIMO_NTNV



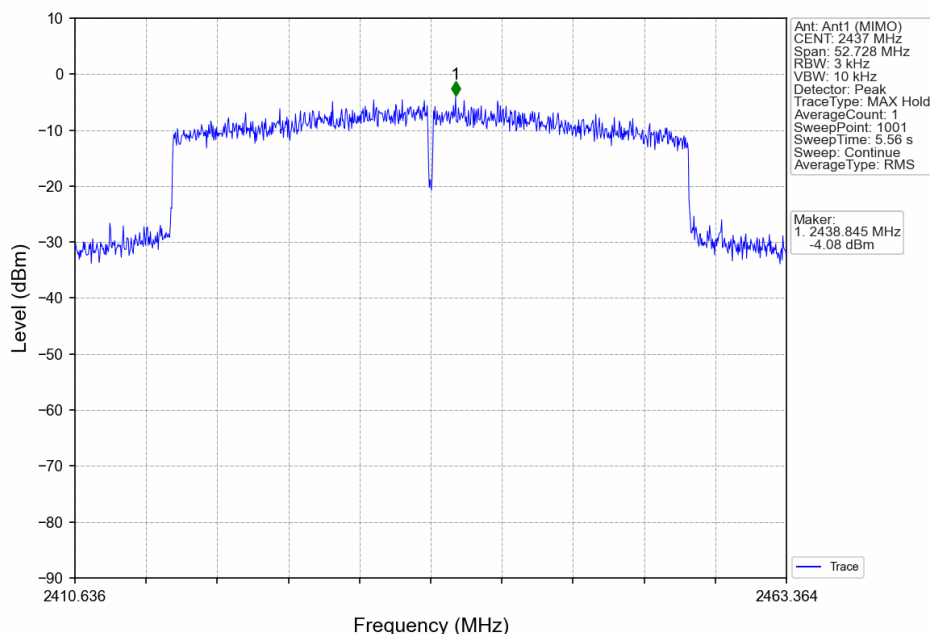
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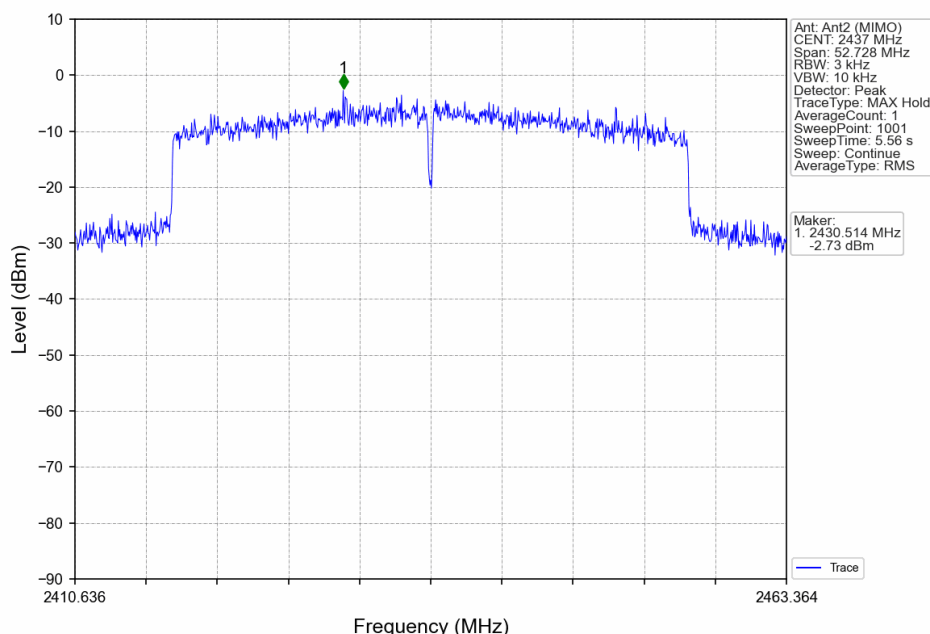
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802.11ax(HEW40)_MCH_2437MHz_RU484_Left_Ant1 (MIMO)_NTNV



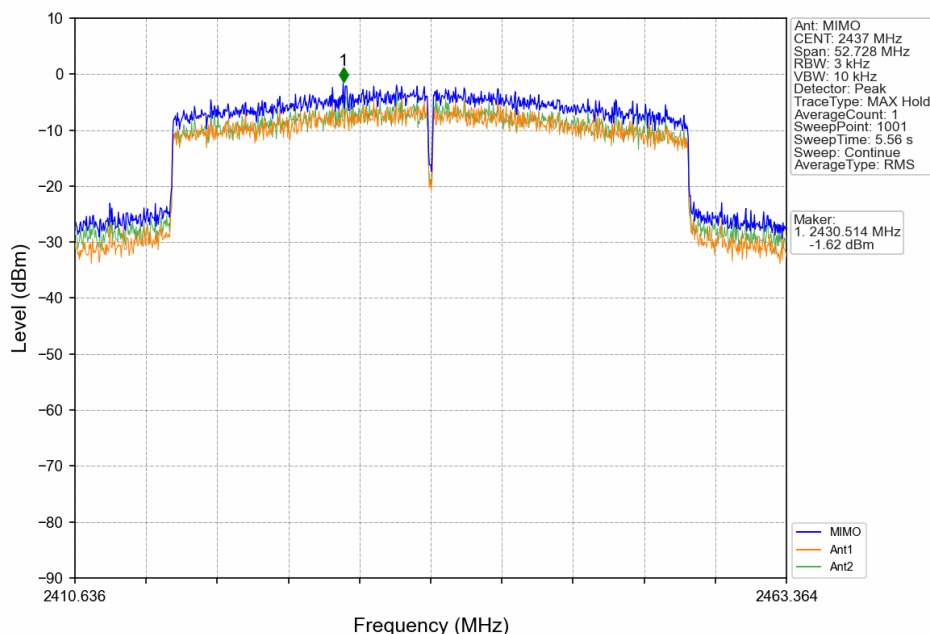
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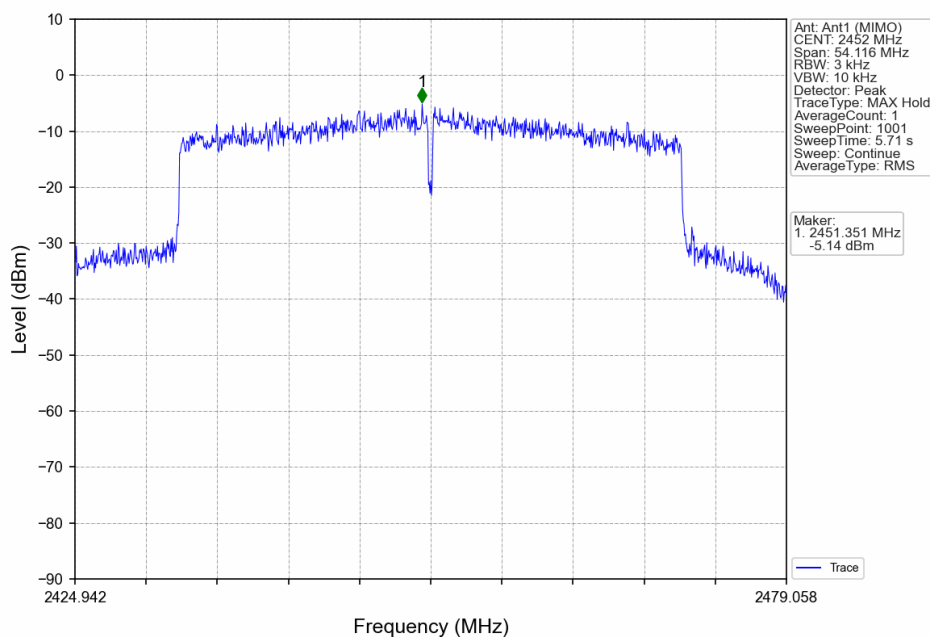
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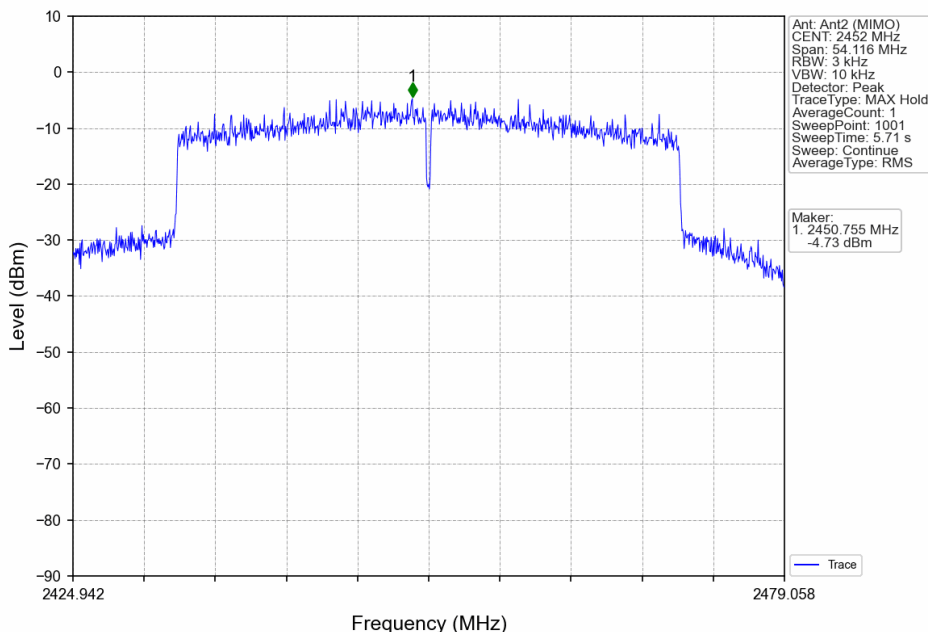
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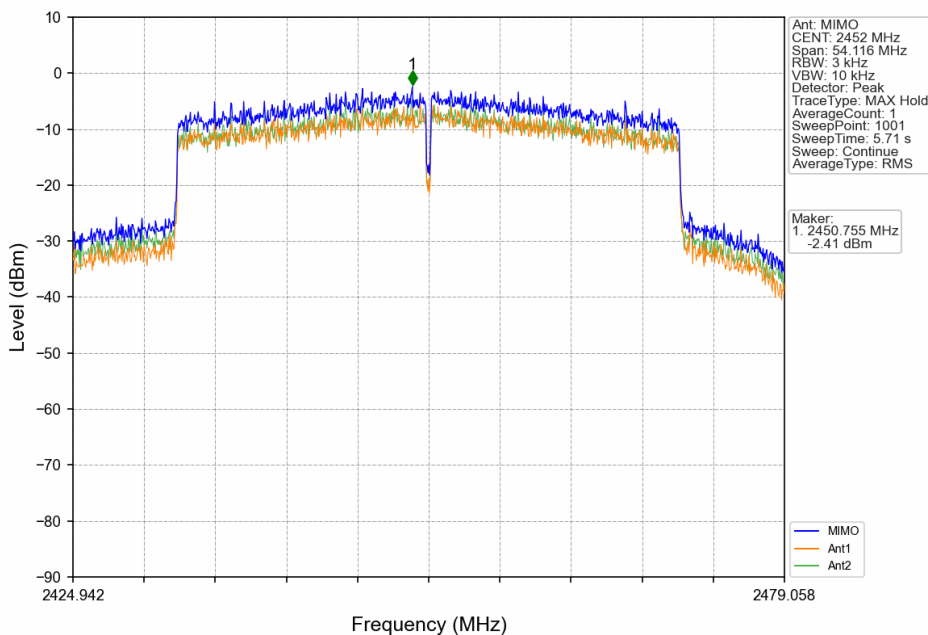
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802.11ax(HEW40)_HCH_2452MHz_RU484_Left_Ant2 (MIMO)_NTNV



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

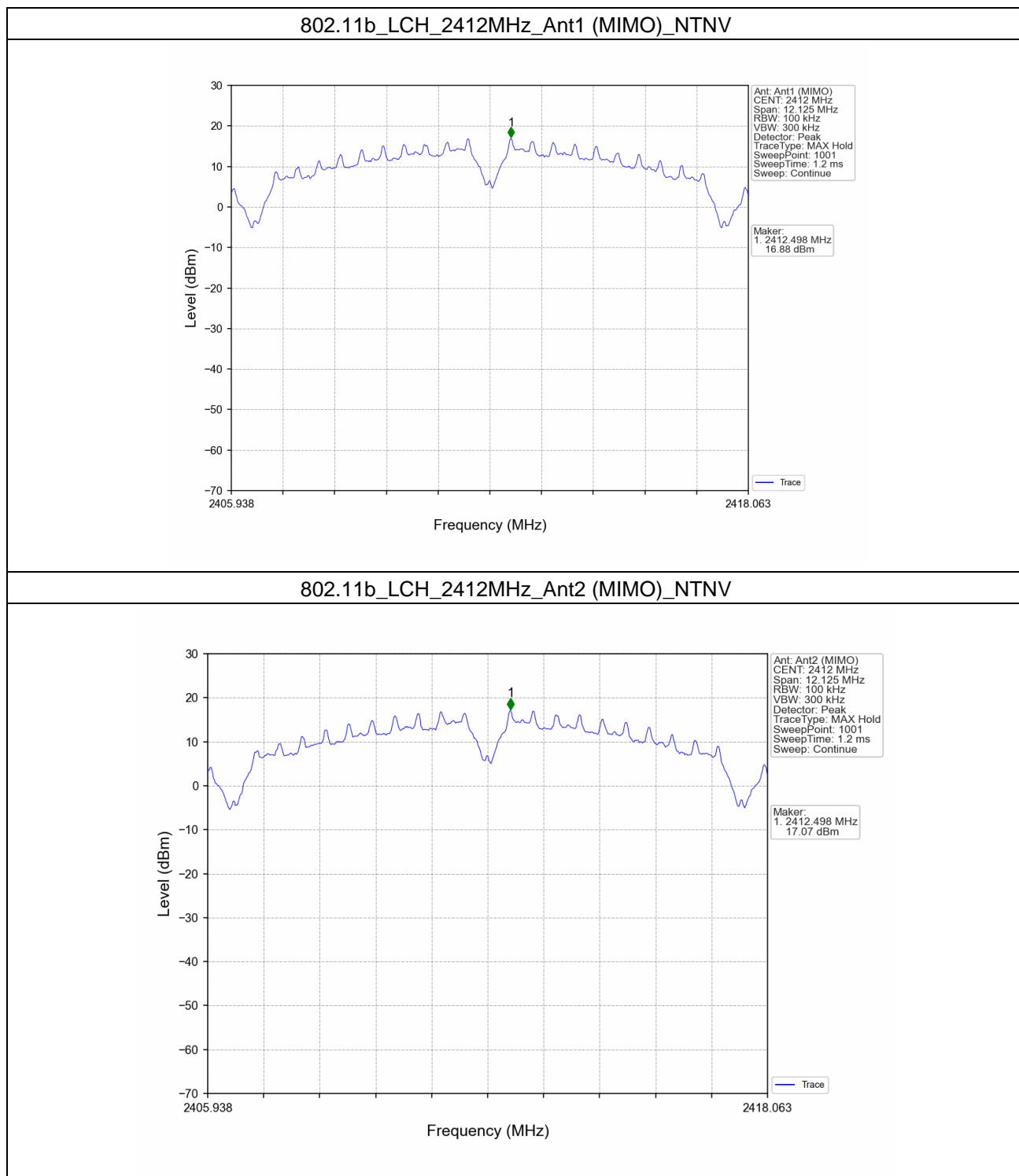
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	Level of Reference (dBm)
802.11b	MIMO	2412	/	/	1	16.88
					2	17.07
		2437	/	/	1	16.79
					2	17.75
		2462	/	/	1	16.95
					2	17.12
802.11g	MIMO	2412	/	/	1	13.36
					2	13.83
		2437	/	/	1	14.15
					2	14.96
		2462	/	/	1	13.94
					2	13.92
802.11n (HT20)	MIMO	2412	/	/	1	13.64
					2	13.37
		2437	/	/	1	15.23
					2	15.55
		2462	/	/	1	14.79
					2	15.66
802.11n (HT40)	MIMO	2422	/	/	1	9.49
					2	9.33
		2437	/	/	1	11.82
					2	12.12
		2452	/	/	1	10.58
					2	11.16
802.11ax (HEW20)	MIMO	2412	RU242	Left	1	13.06
					2	13.48
		2437	RU242	Left	1	15.09
					2	15.30
		2462	RU242	Left	1	14.78
					2	14.98
802.11ax (HEW40)	MIMO	2422	RU484	Left	1	8.40
					2	8.52
		2437	RU484	Left	1	11.76
					2	12.75
		2452	RU484	Left	1	10.84
					2	11.42



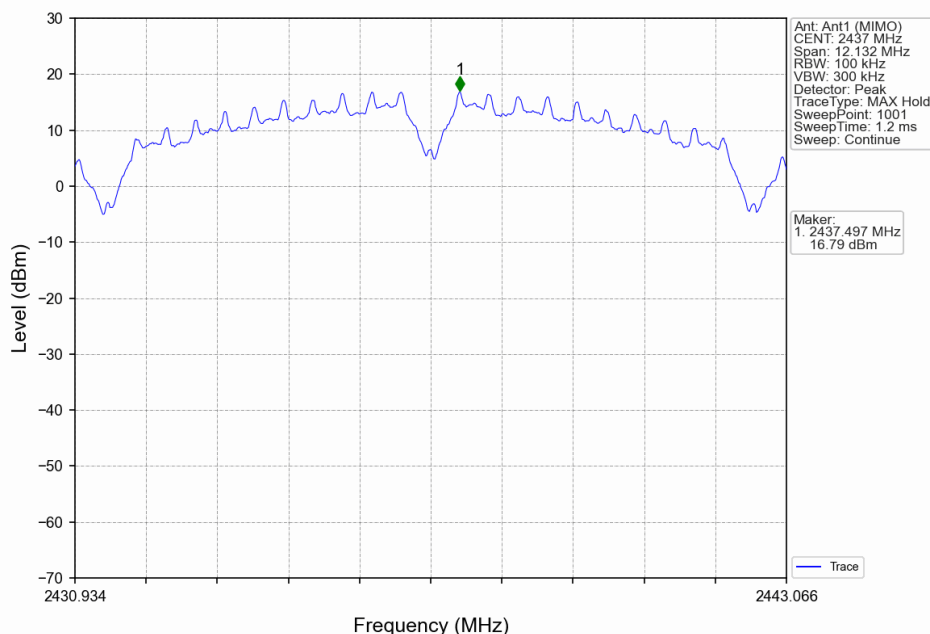
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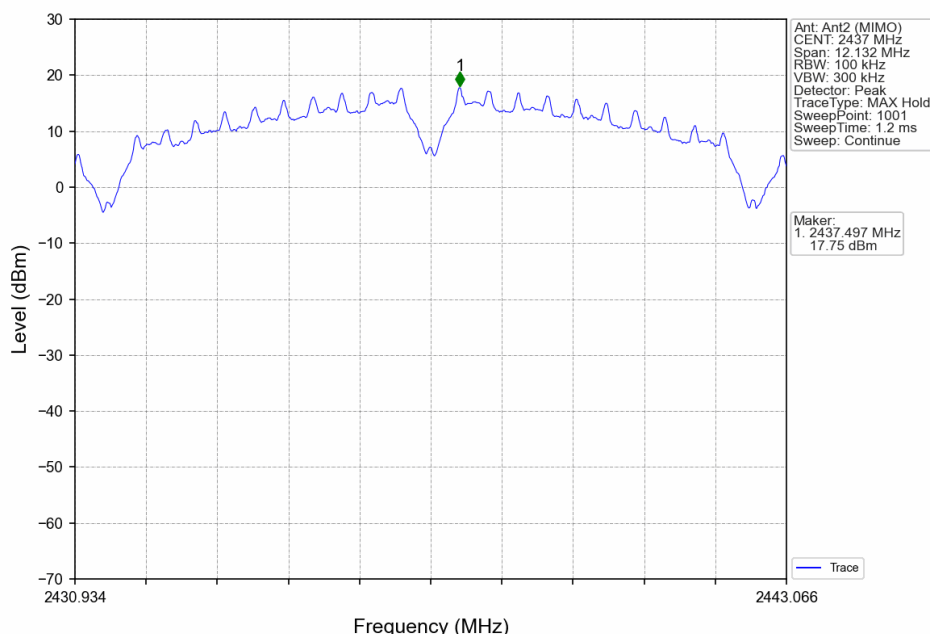
5.1.2 Test Graph



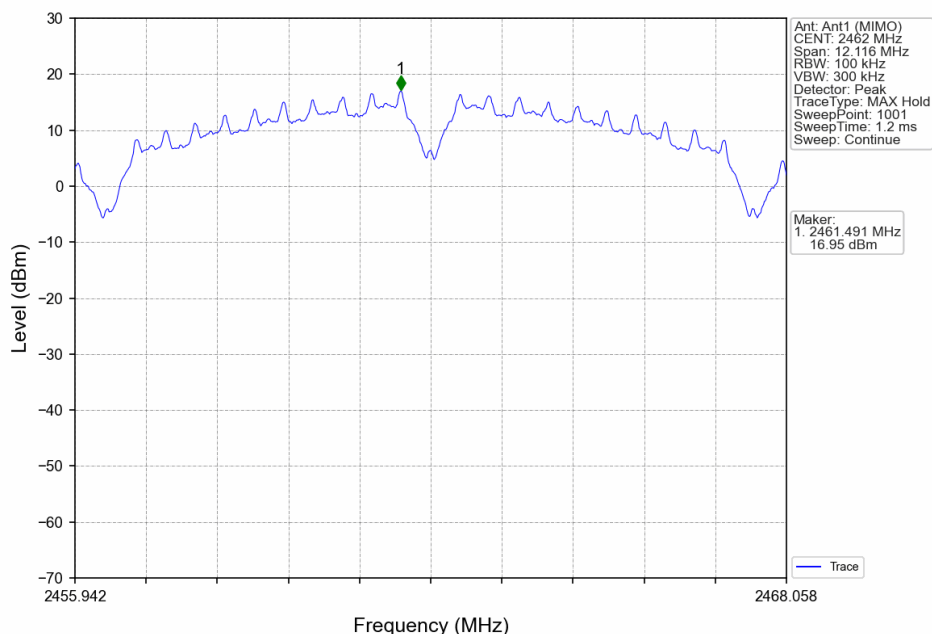
802.11b_MCH_2437MHz_Ant1 (MIMO)_NTNV



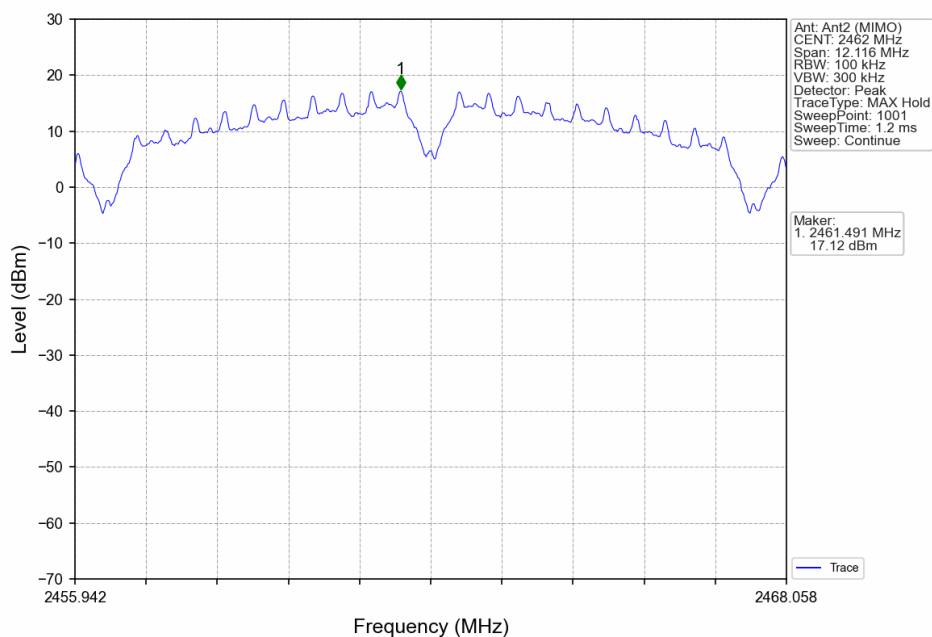
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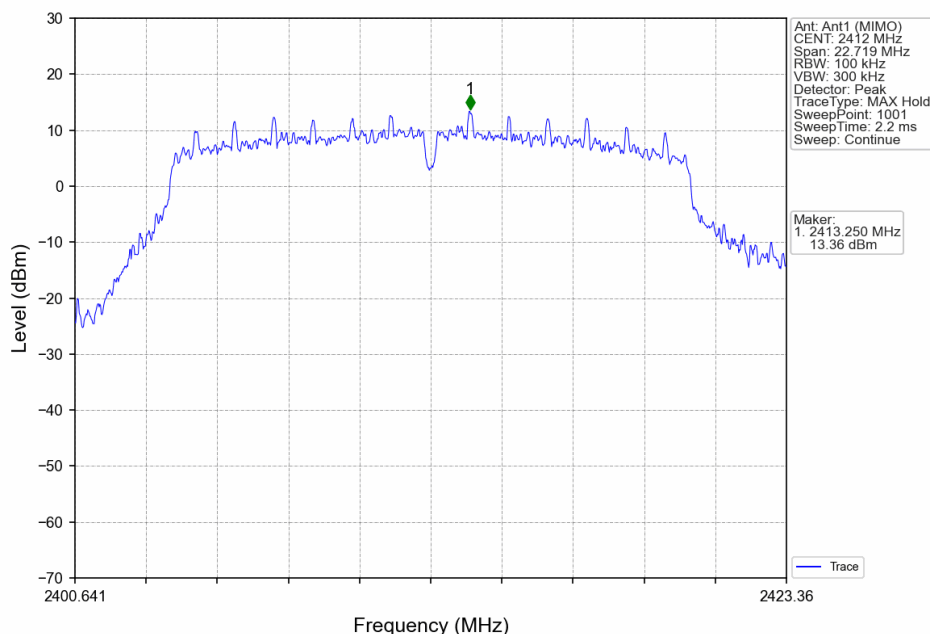
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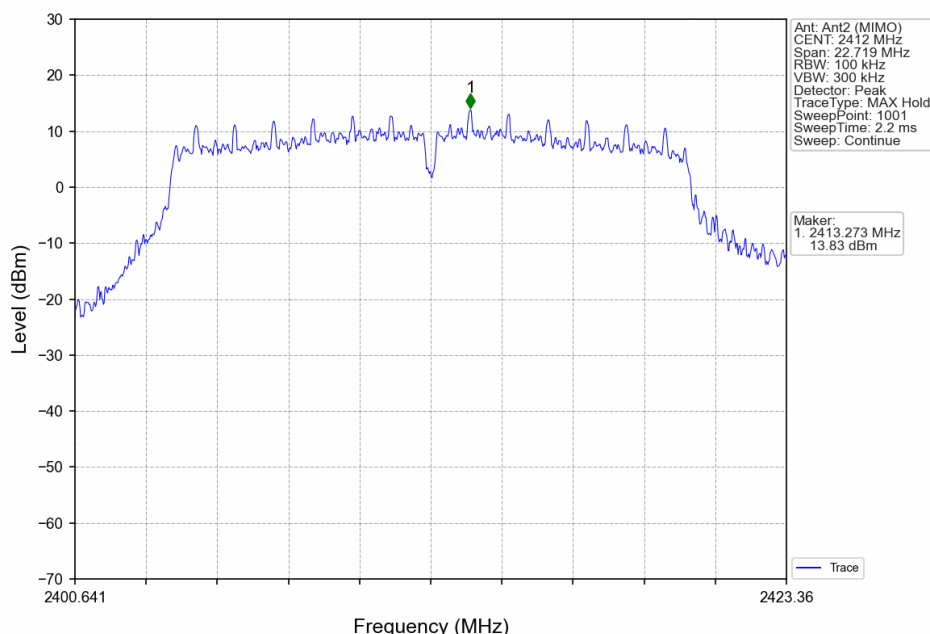
802.11b_HCH_2462MHz_Ant2 (MIMO)_NTNV



802.11g_LCH_2412MHz_Ant1 (MIMO)_NTNV



802.11g_LCH_2412MHz_Ant2 (MIMO)_NTNV



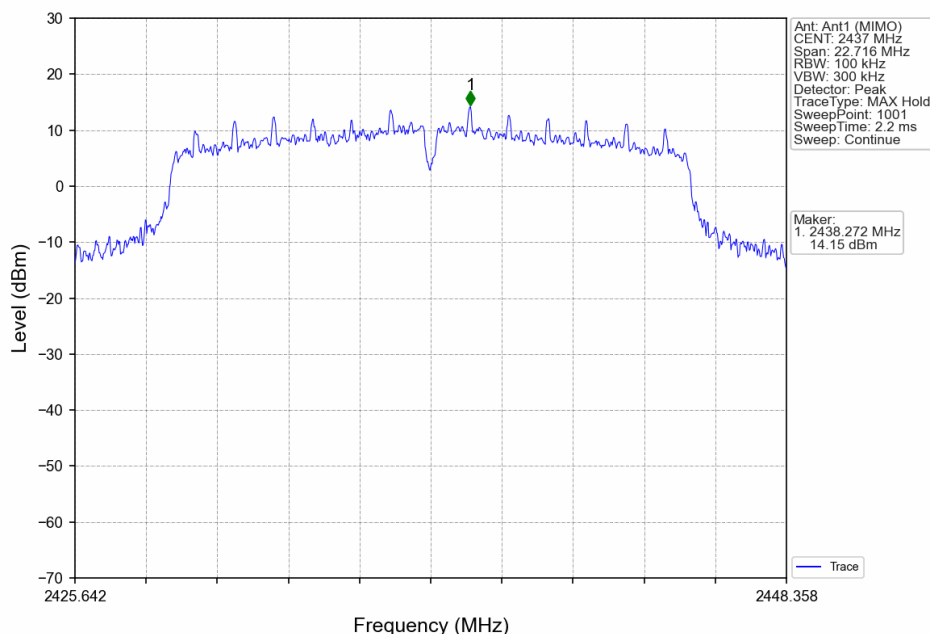
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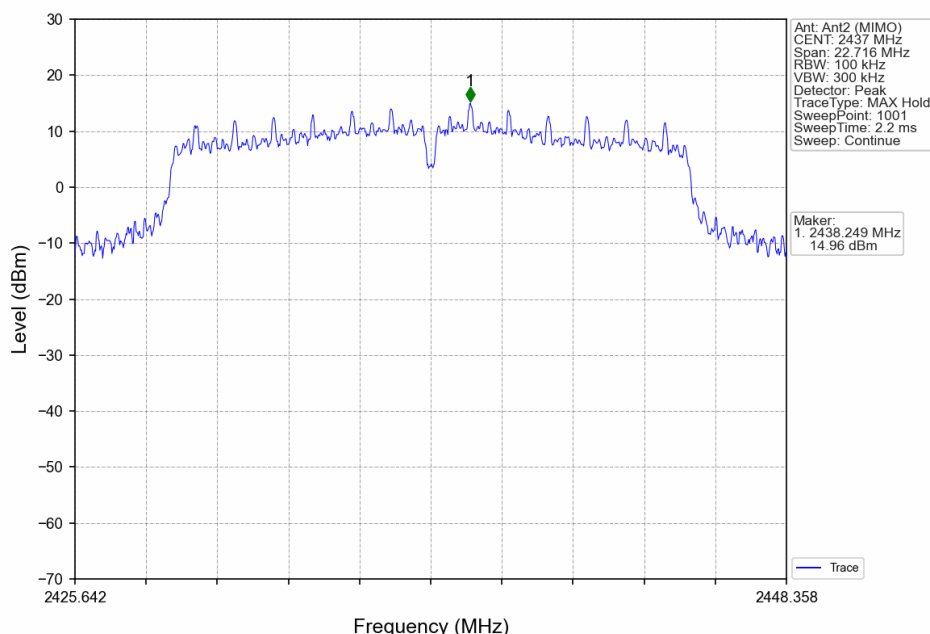
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing & Calibration Laboratory

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
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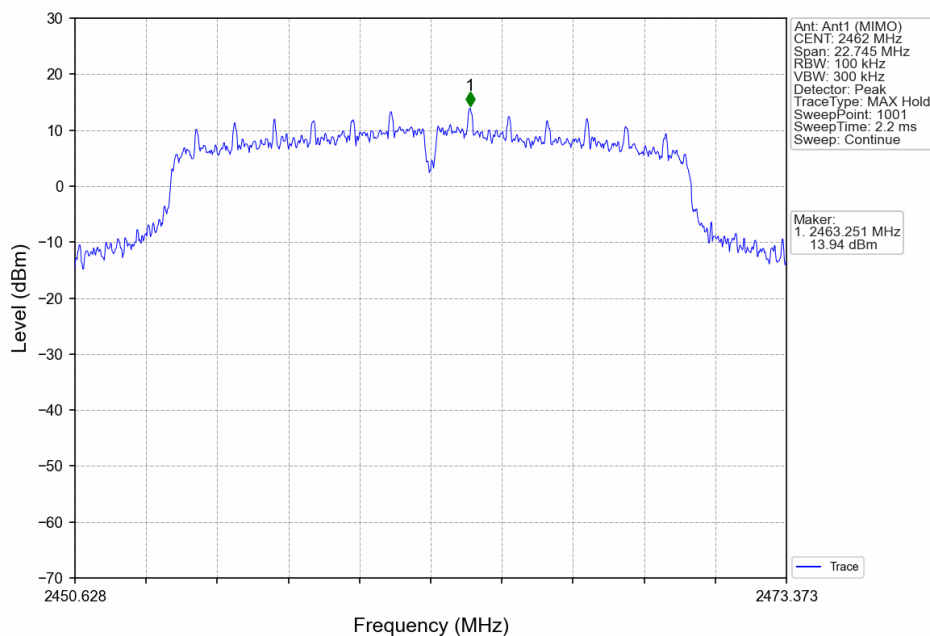
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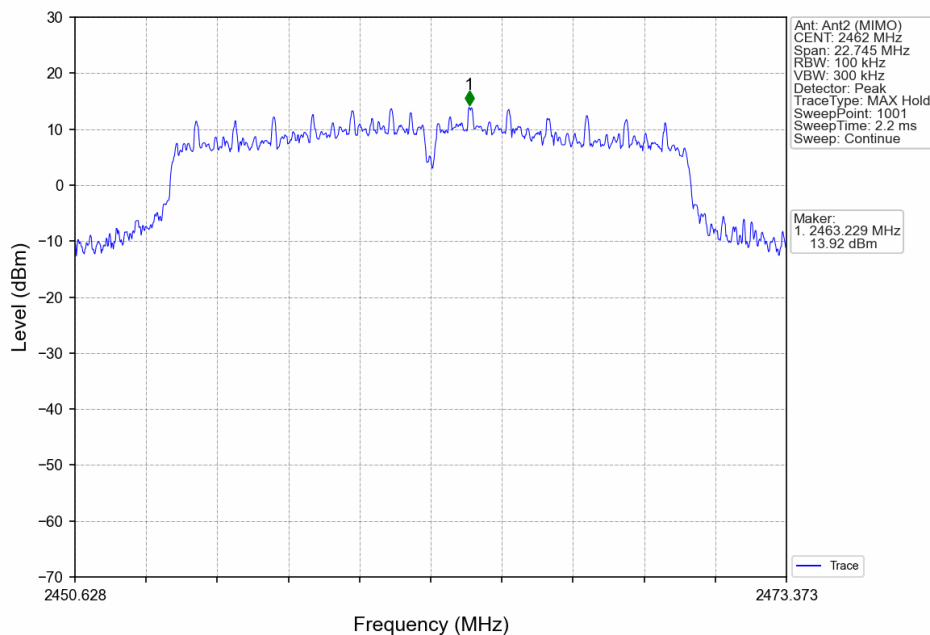
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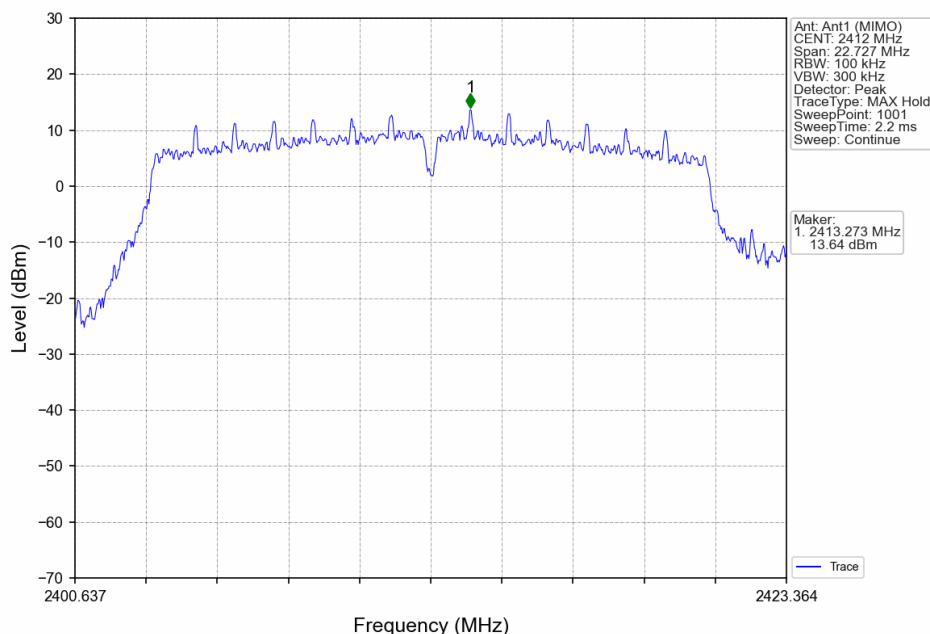
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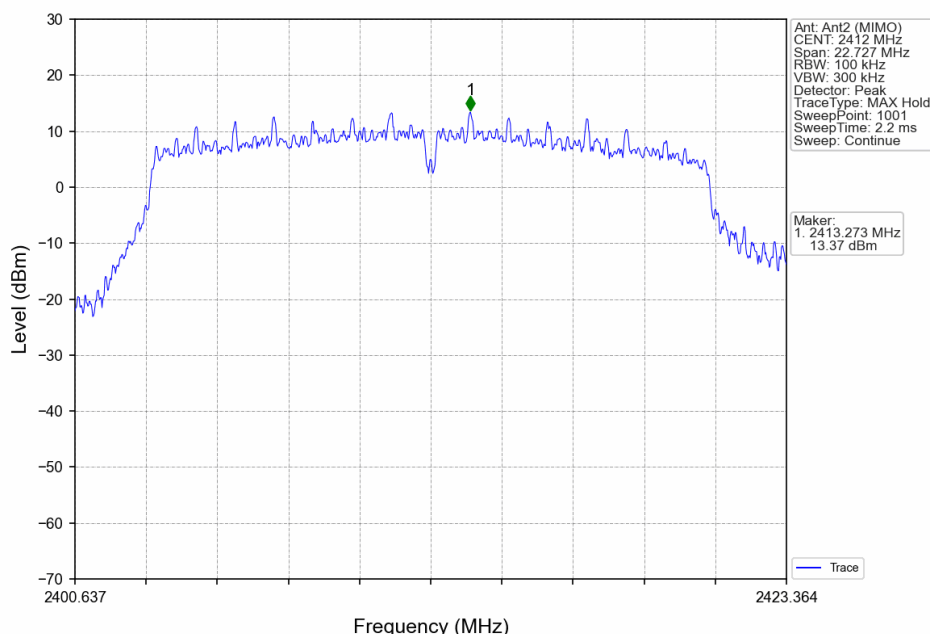
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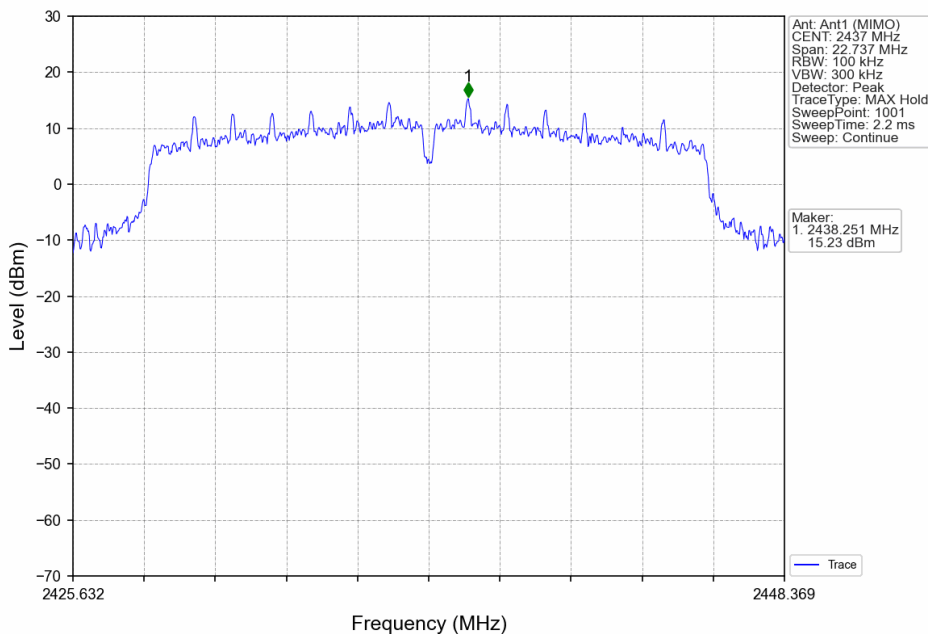
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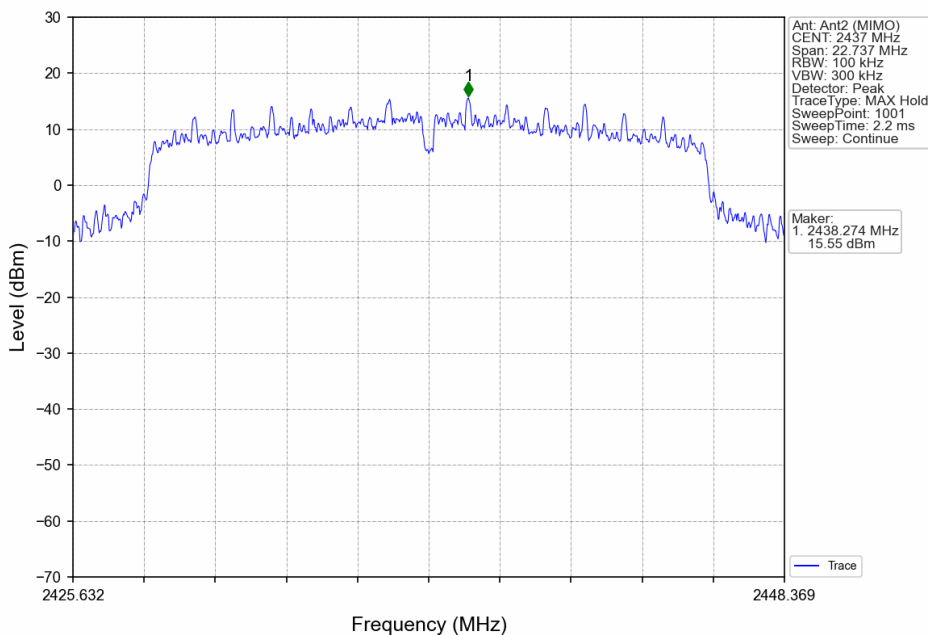
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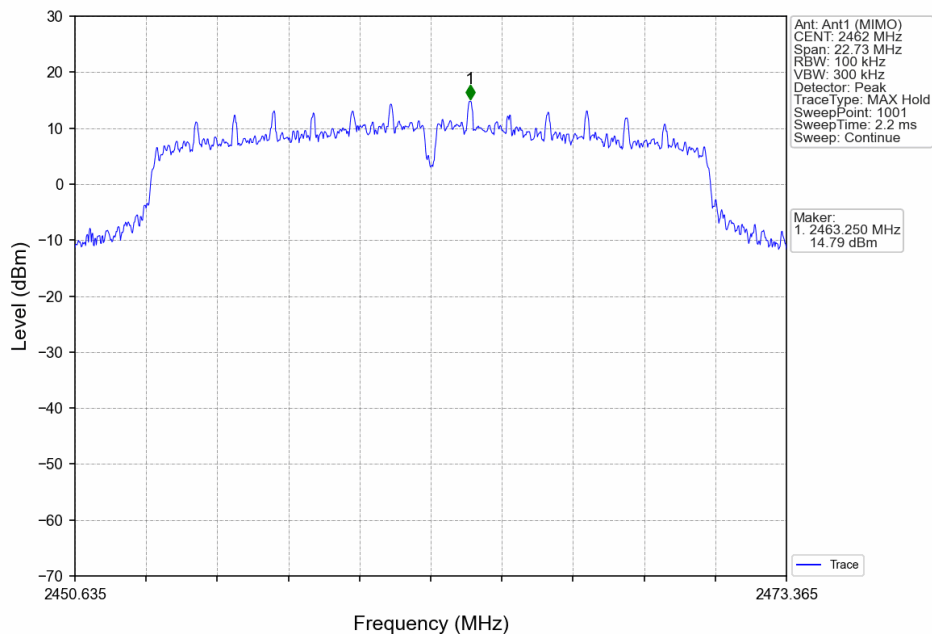
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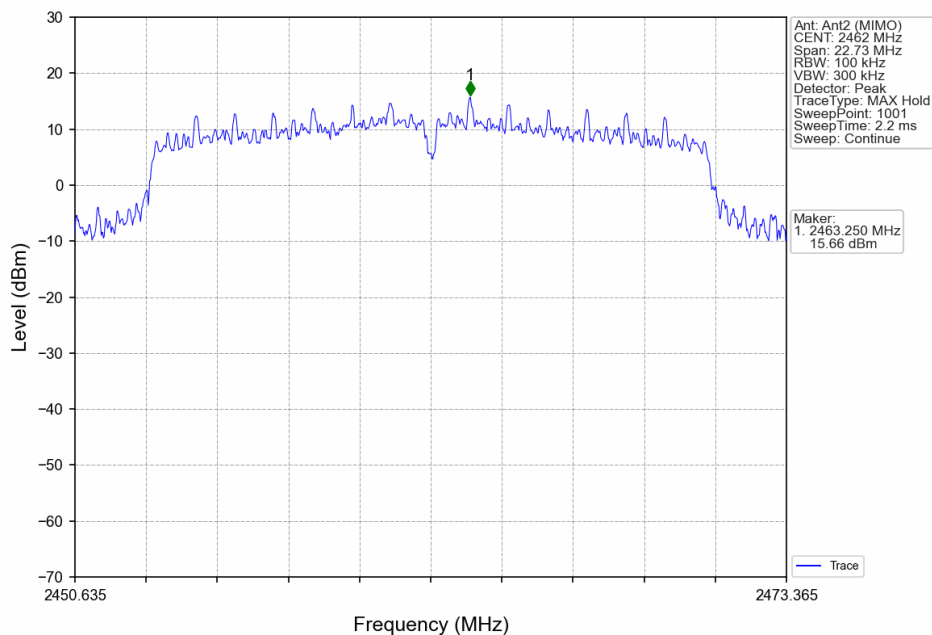
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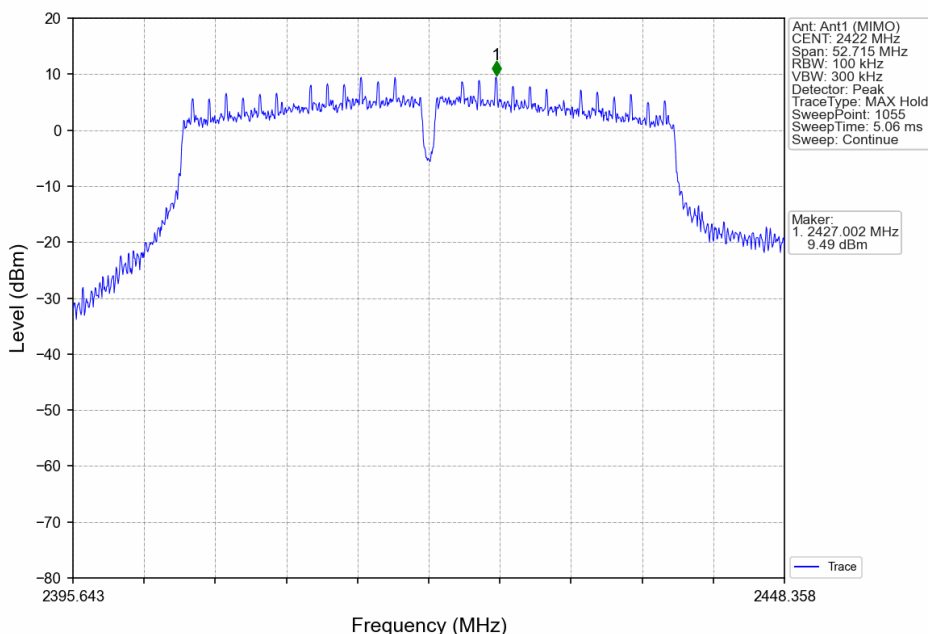
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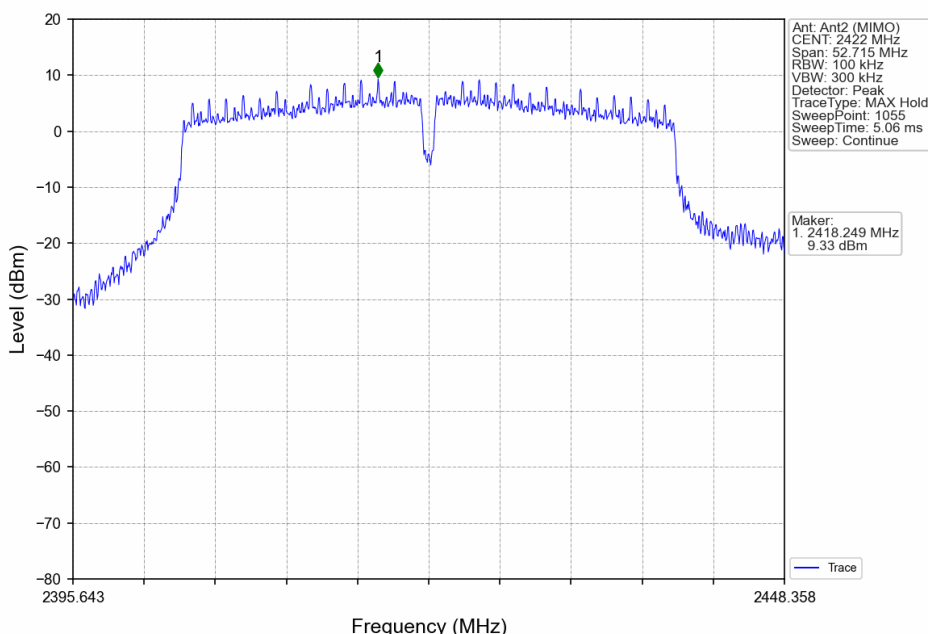
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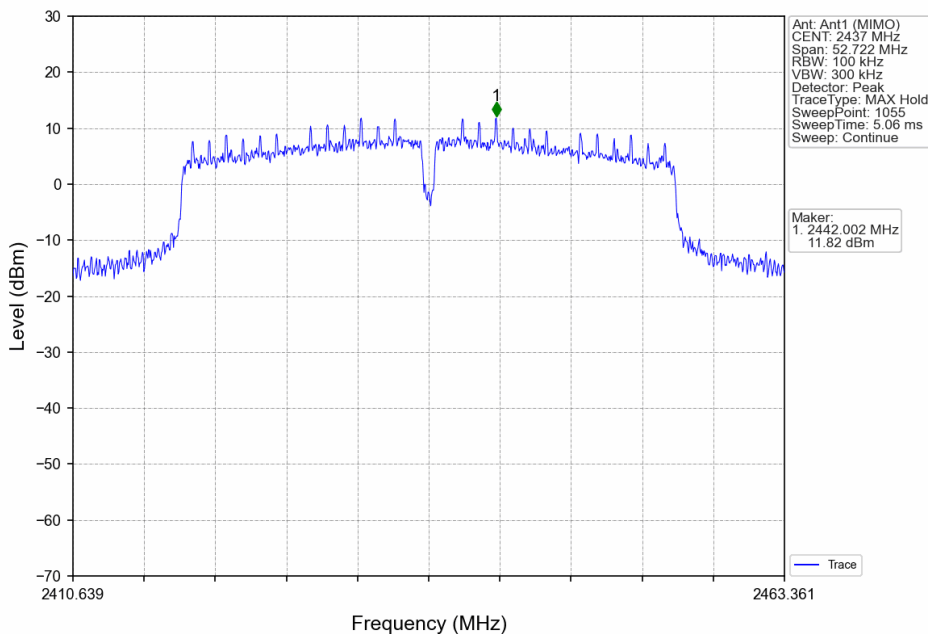
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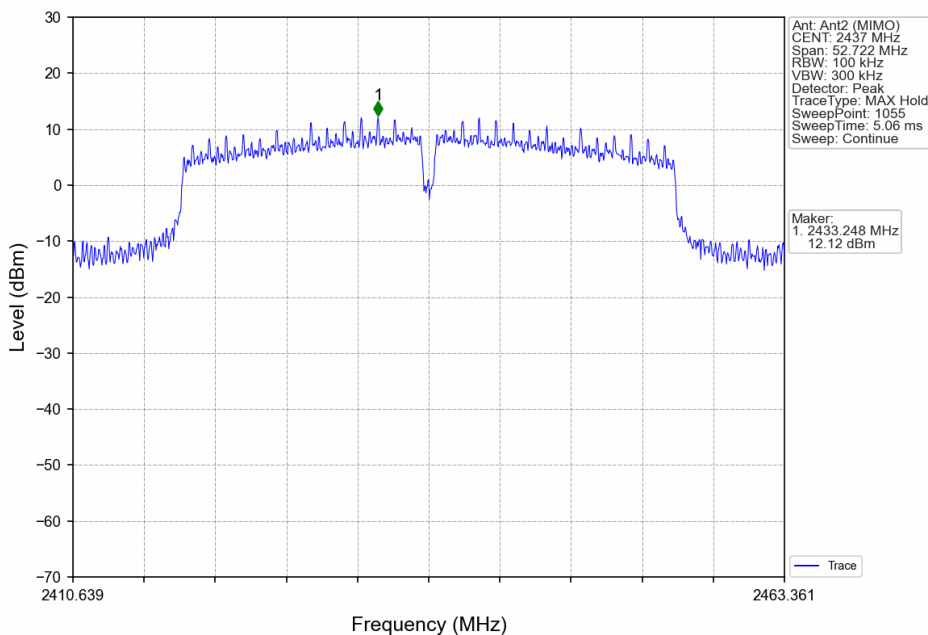
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802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



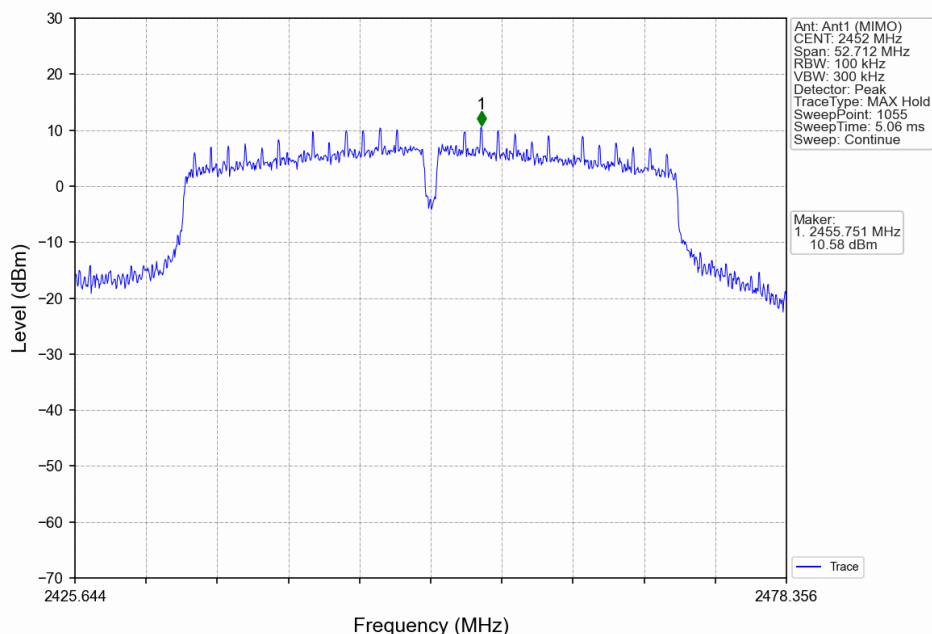
802.11n(HT40)_MCH_2437MHz_Ant2 (MIMO)_NTNV



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802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant2 (MIMO)_NTNV

