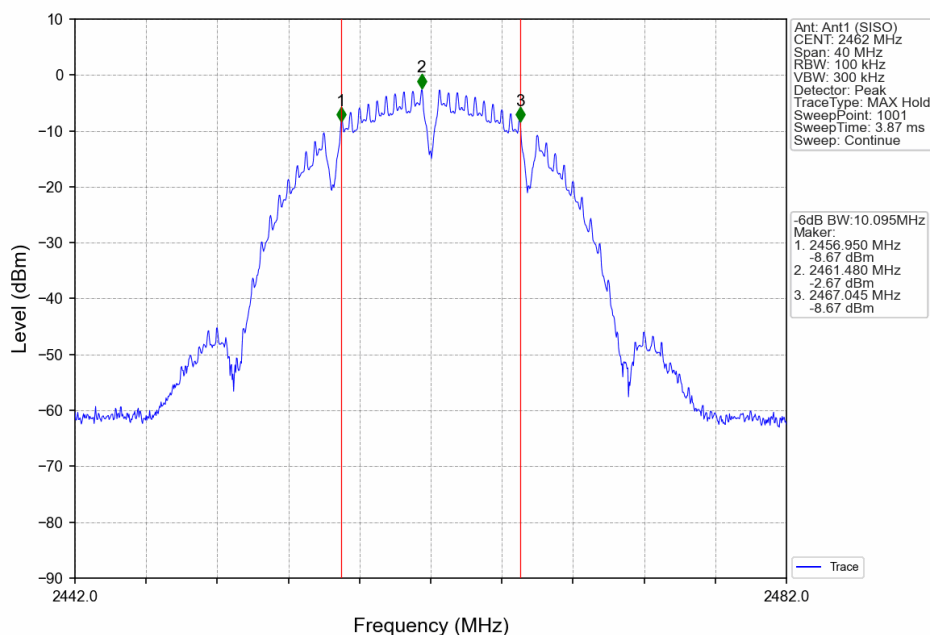
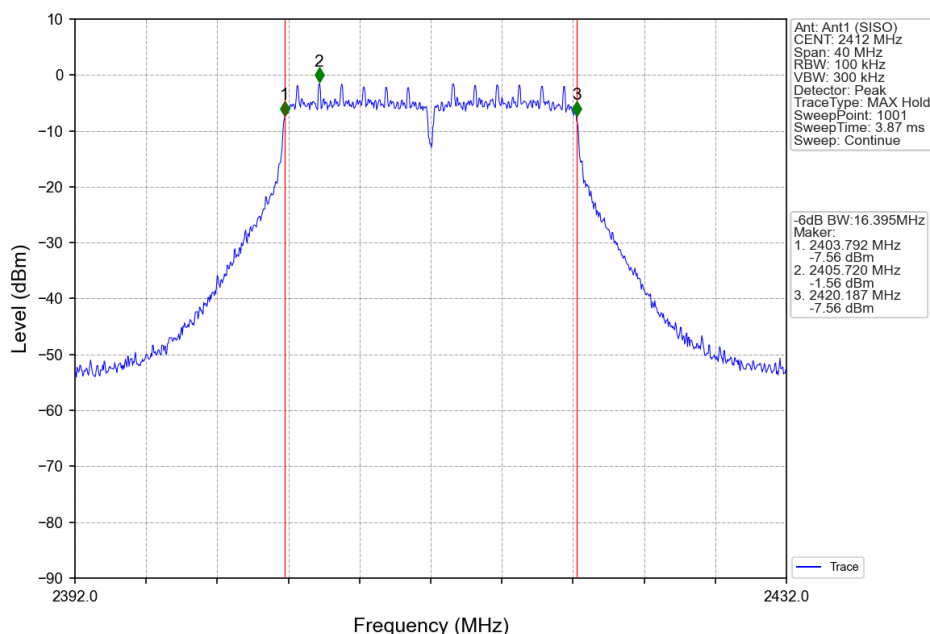


802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV

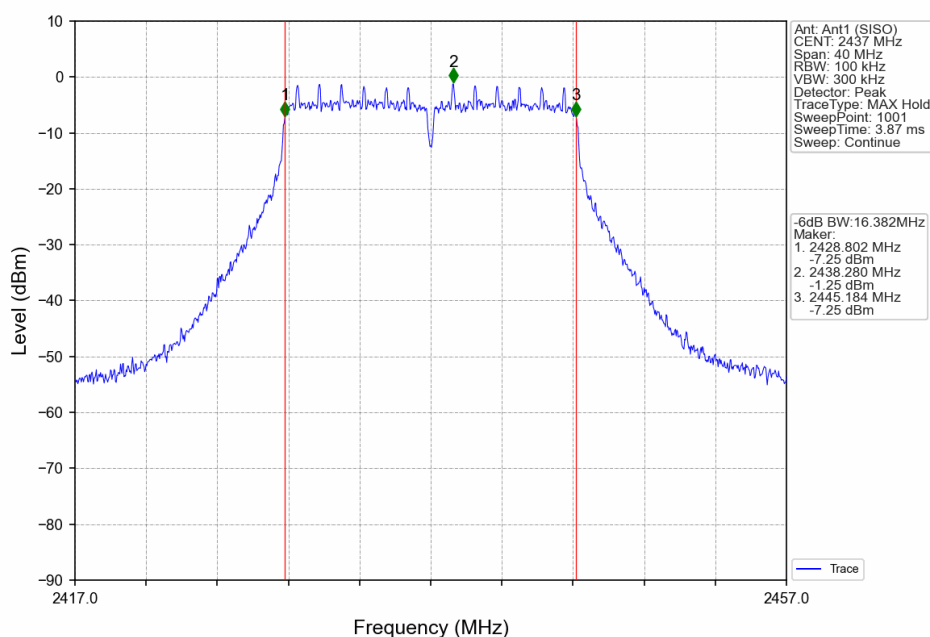


802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV

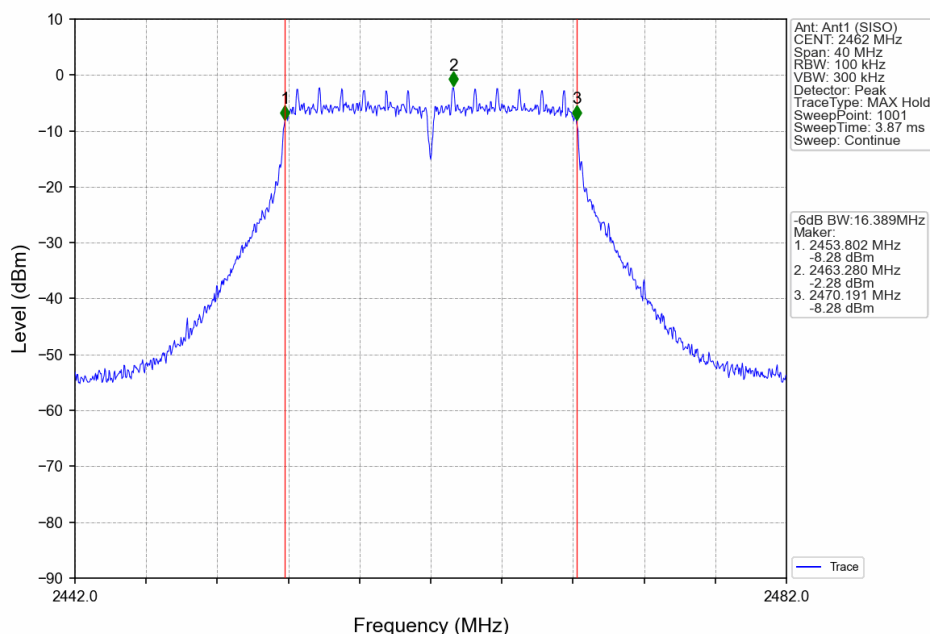


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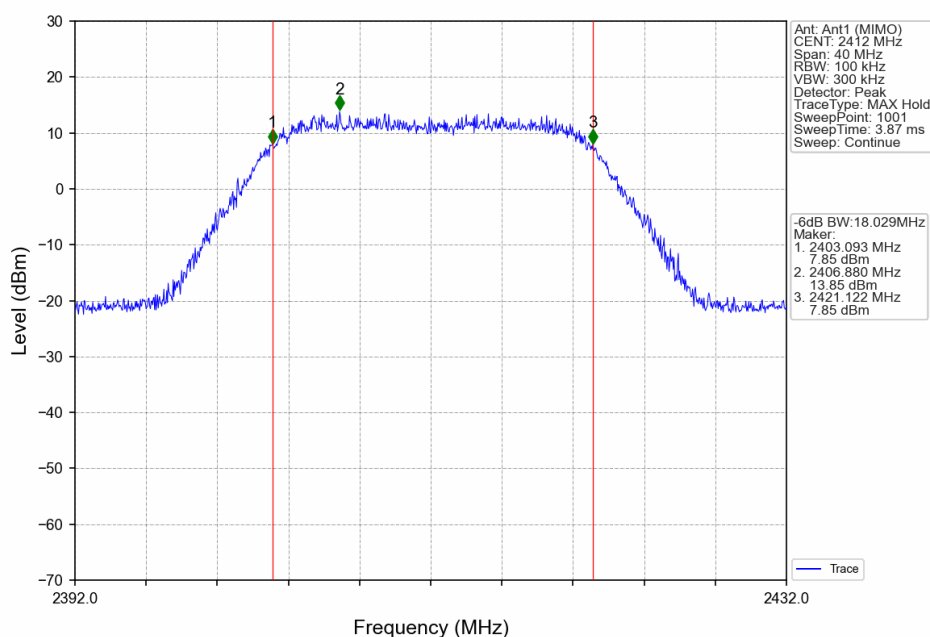
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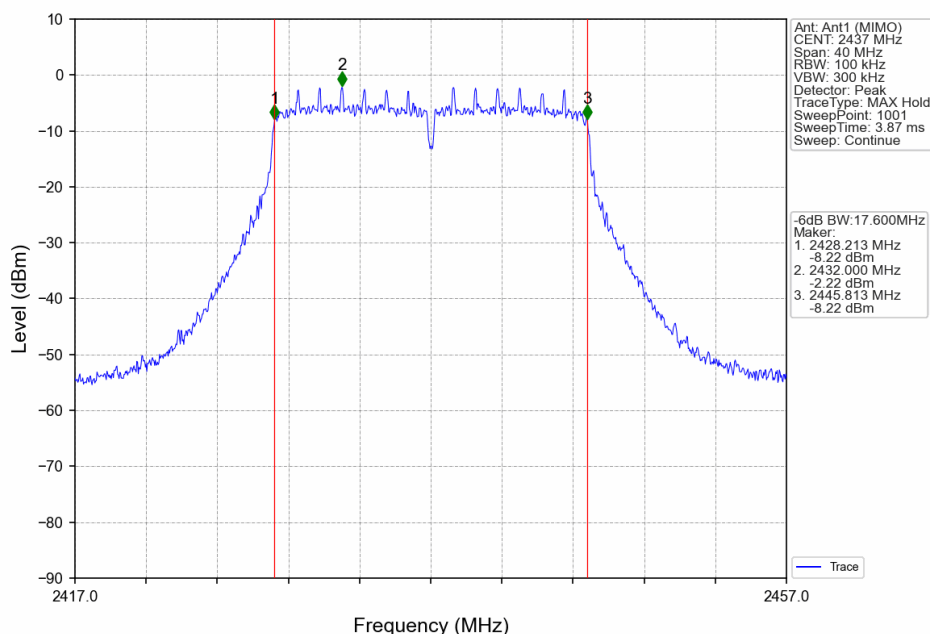
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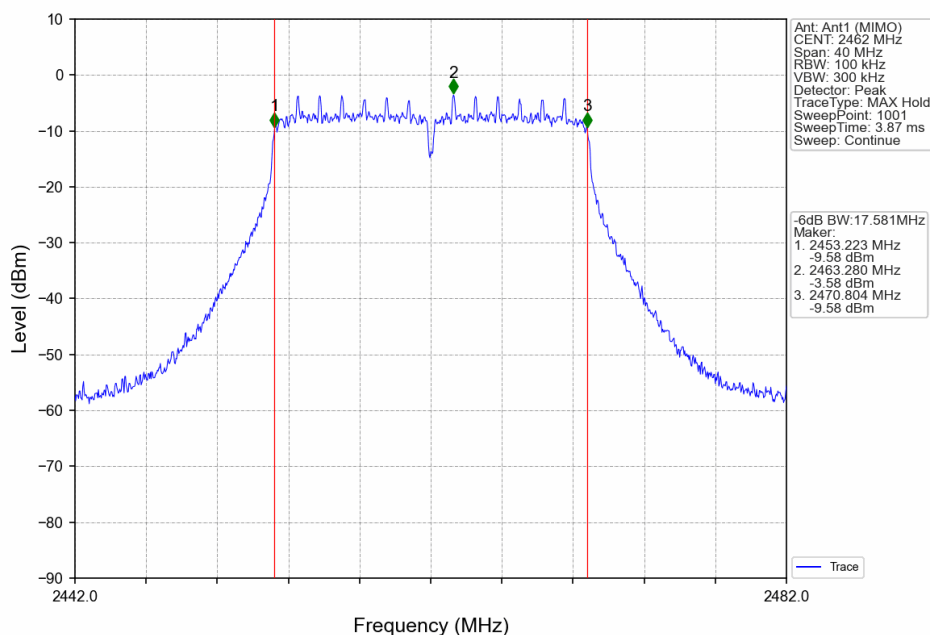
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



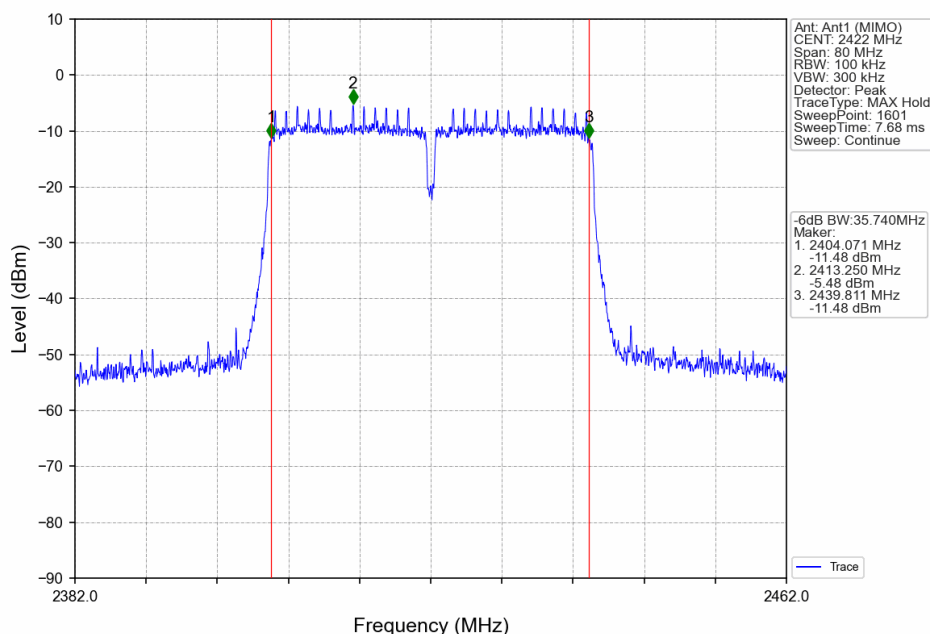
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802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV

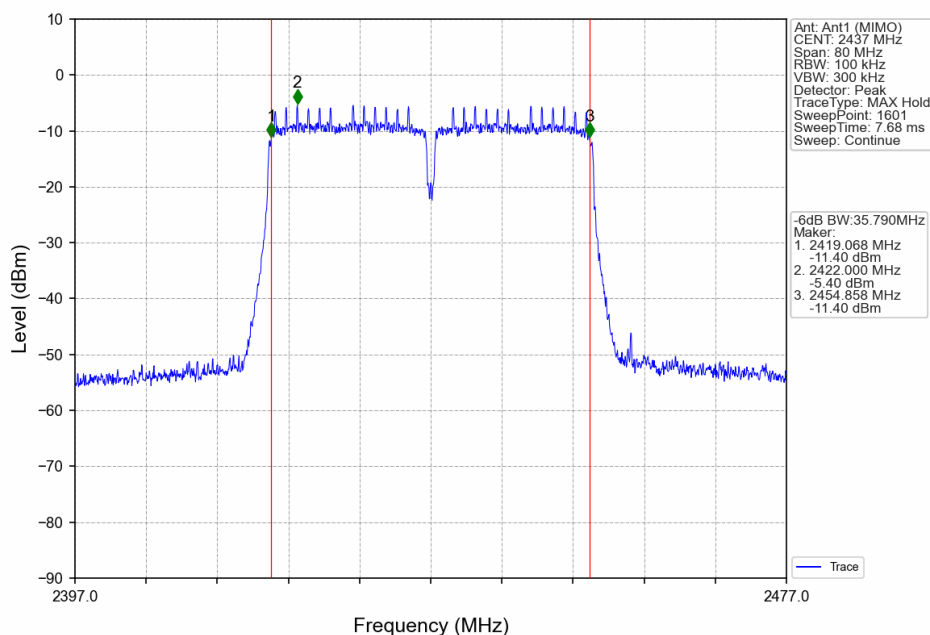


802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV

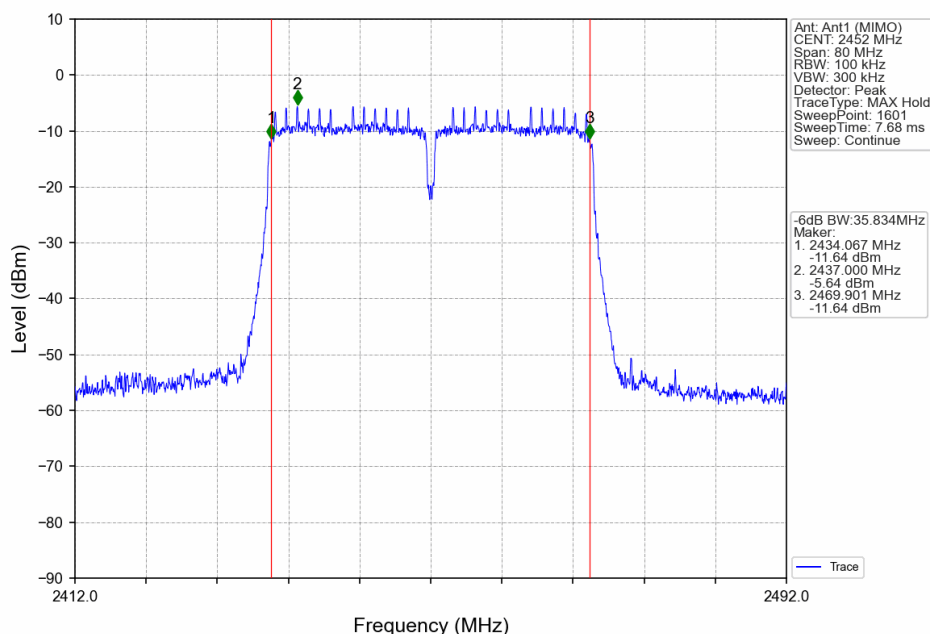


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802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (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	9.48	10.93	/	<=30	Pass
		2437	8.98	11.14	/	<=30	Pass
		2462	8.73	11.11	/	<=30	Pass
802.11g	SISO	2412	17.50	18.29	/	<=30	Pass
		2437	17.71	18.80	/	<=30	Pass
		2462	16.76	17.79	/	<=30	Pass
802.11n (HT20)	MIMO	2412	21.86	17.52	23.22	<=30	Pass
		2437	16.82	17.64	20.26	<=30	Pass
		2462	15.39	16.53	19.01	<=30	Pass
802.11n (HT40)	MIMO	2422	16.64	17.08	19.88	<=30	Pass
		2437	16.82	17.54	20.21	<=30	Pass
		2452	16.71	17.35	20.05	<=30	Pass

Note1: Antenna Gain: Ant1: 1.92dBi; Ant2: 1.92dBi;
Note2: Directional Gain: 4.92dBi

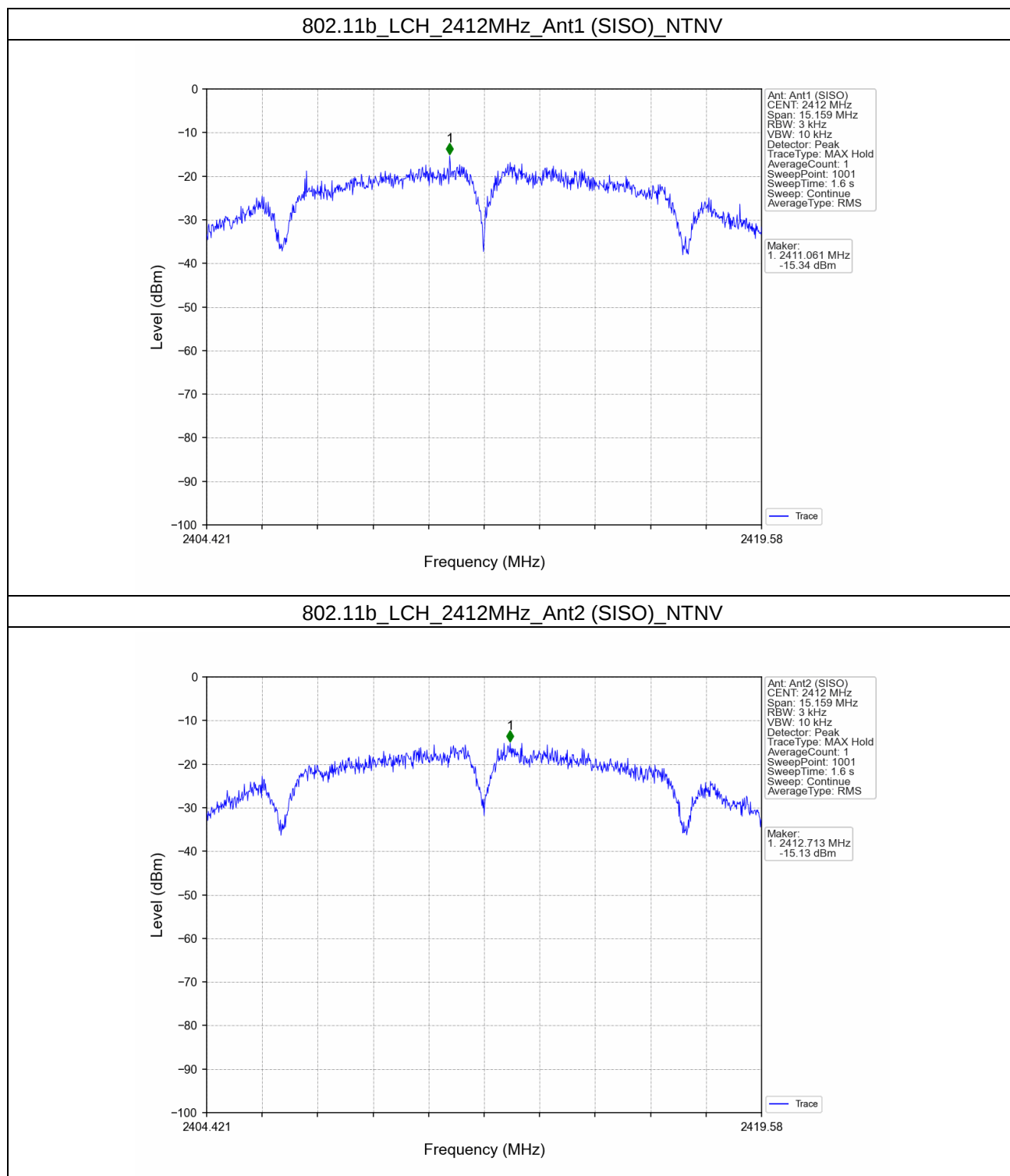
4. Maximum Power Spectral Density

4.1 PSD

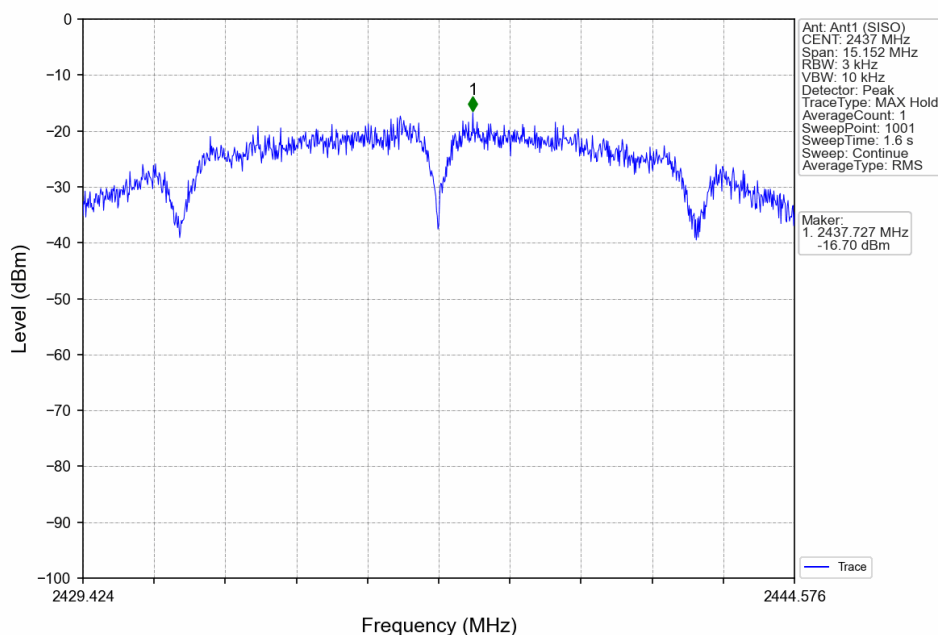
4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11b	SISO	2412	-15.34	-15.13	/	<=8	Pass
		2437	-16.70	-15.72	/	<=8	Pass
		2462	-16.13	-14.83	/	<=8	Pass
802.11g	SISO	2412	-15.81	-15.20	/	<=8	Pass
		2437	-14.98	-13.91	/	<=8	Pass
		2462	-16.12	-15.11	/	<=8	Pass
802.11n (HT20)	MIMO	2412	-16.56	-14.54	-13.55	<=8	Pass
		2437	-15.78	-15.76	-13.81	<=8	Pass
		2462	-18.16	-15.61	-14.84	<=8	Pass
802.11n (HT40)	MIMO	2422	-20.09	-17.74	-17.12	<=8	Pass
		2437	-20.21	-18.23	-17.39	<=8	Pass
		2452	-20.10	-18.71	-17.23	<=8	Pass
Note1: Antenna Gain: Ant1: 1.92dBi; Ant2: 1.92dBi; Note2: Directional Gain: 4.92dBi							

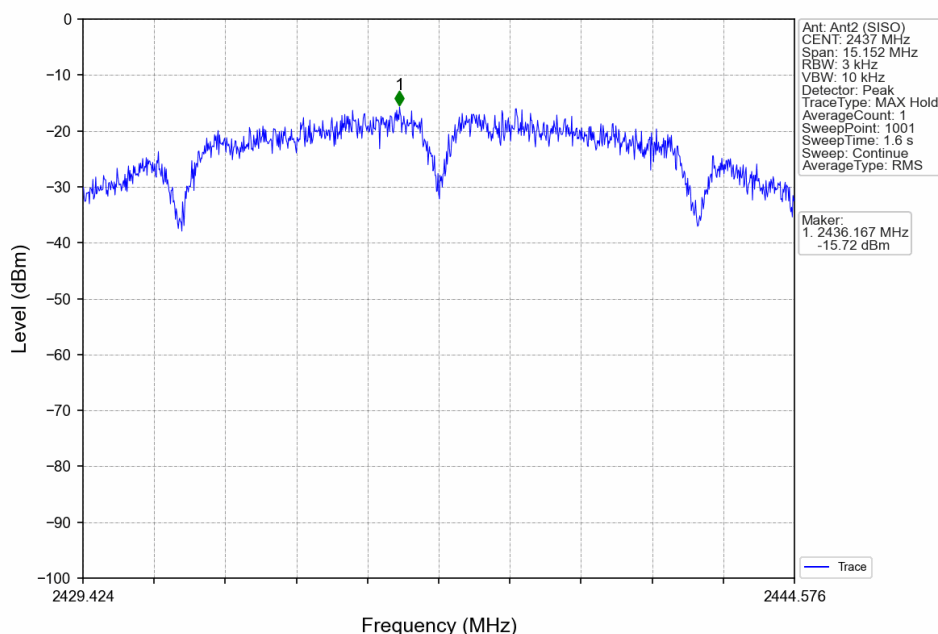
4.1.2 Test Graph



802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



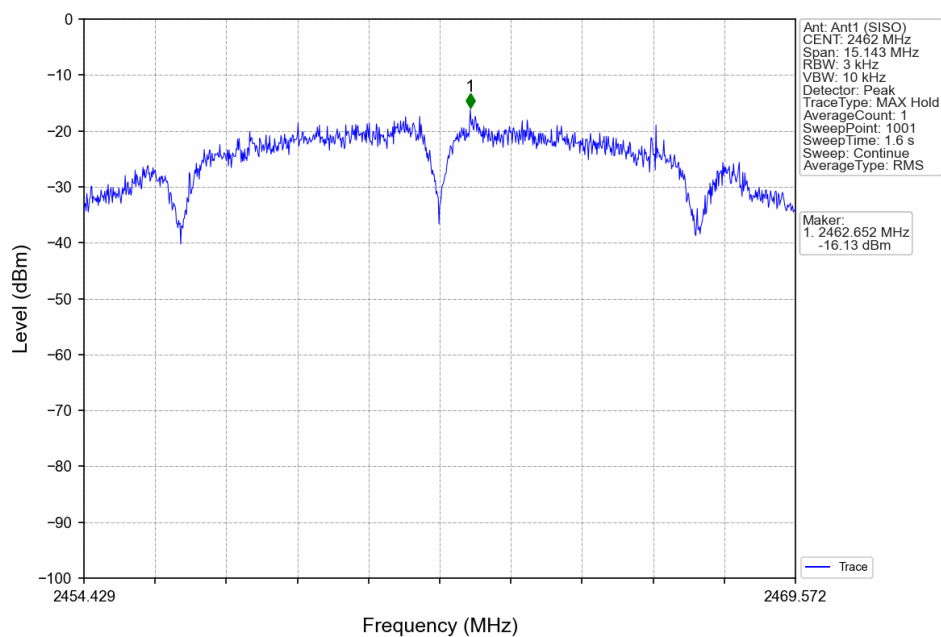
802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV



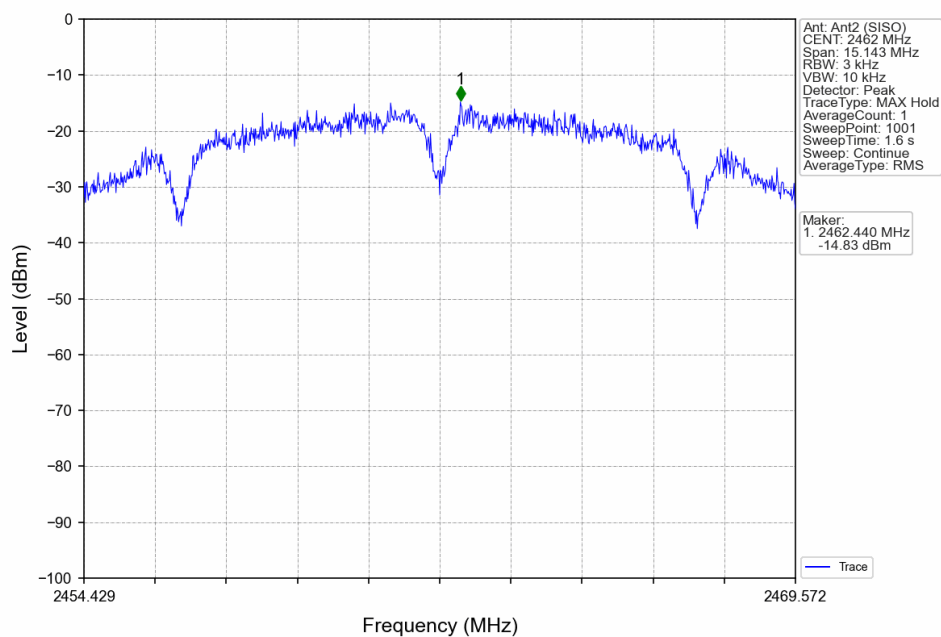
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802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



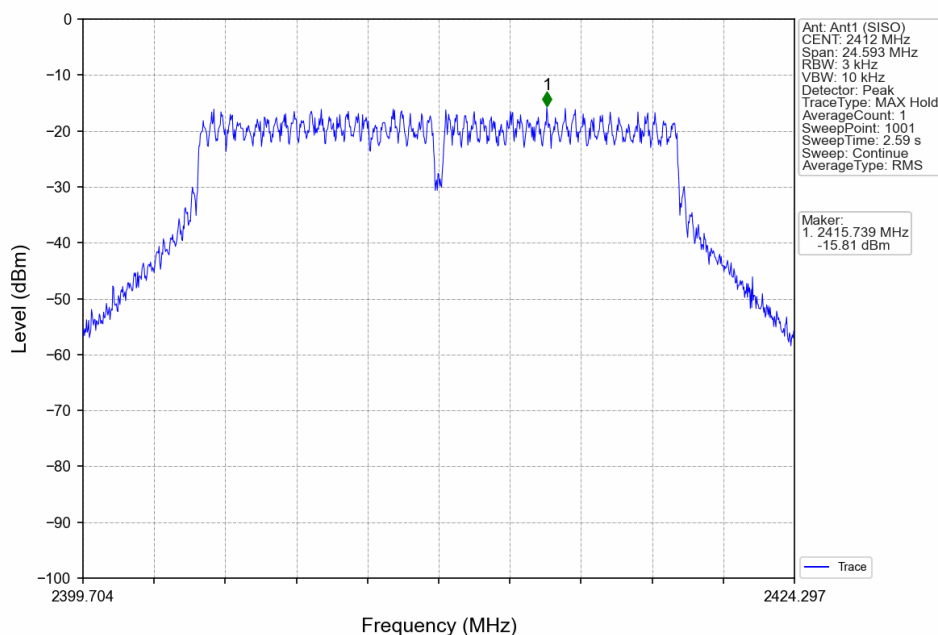
802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV



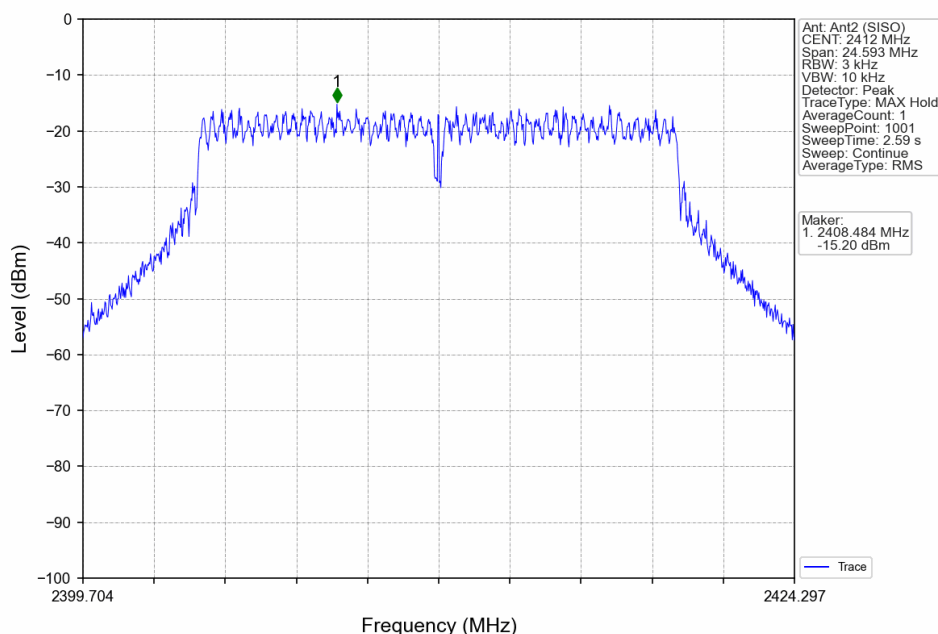
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802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



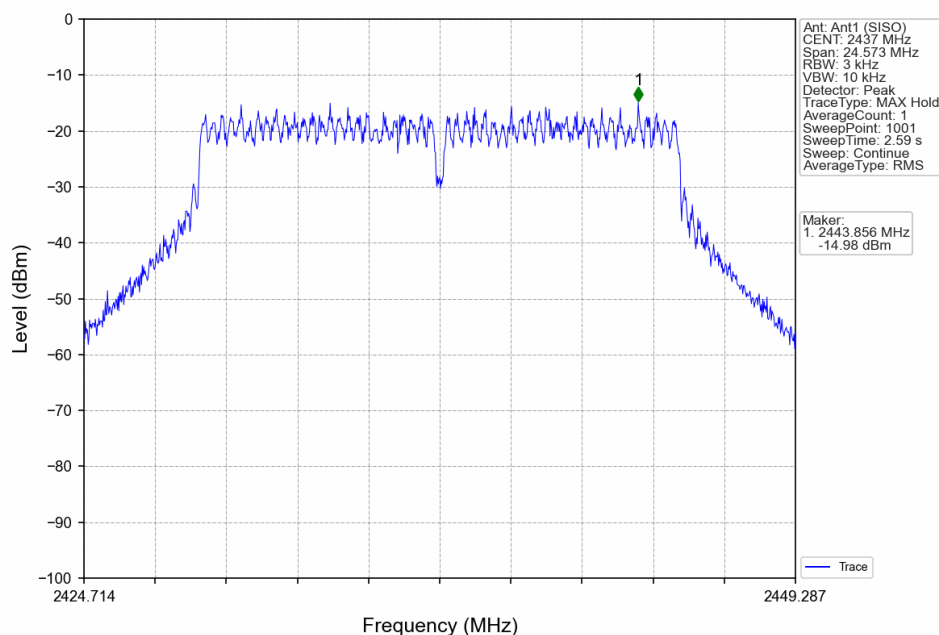
802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV



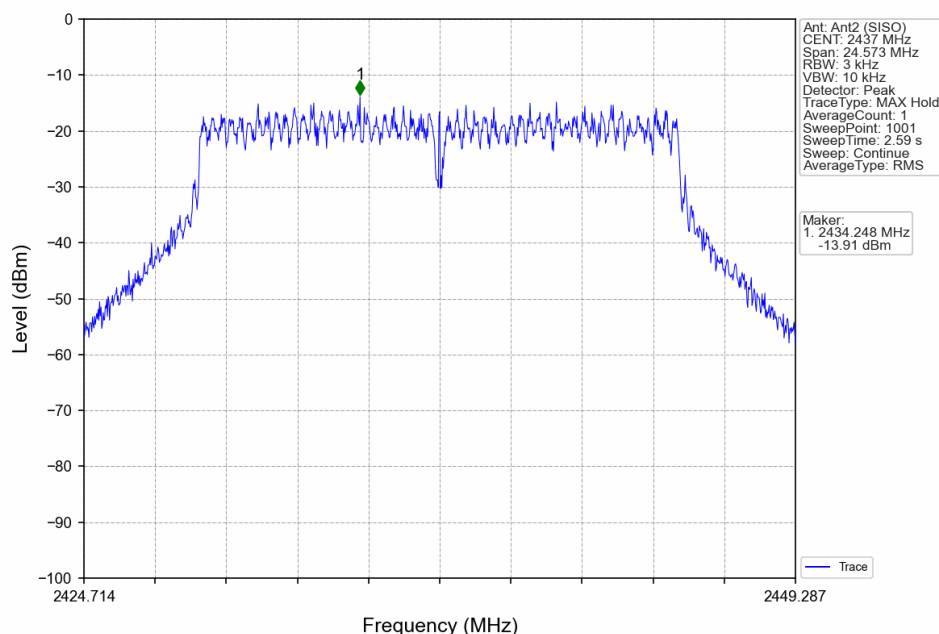
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802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



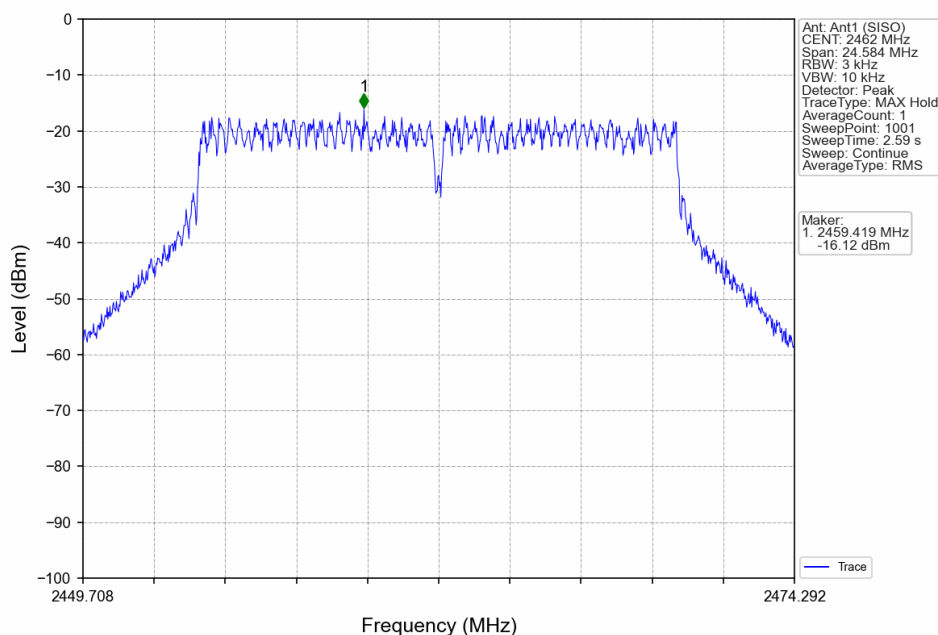
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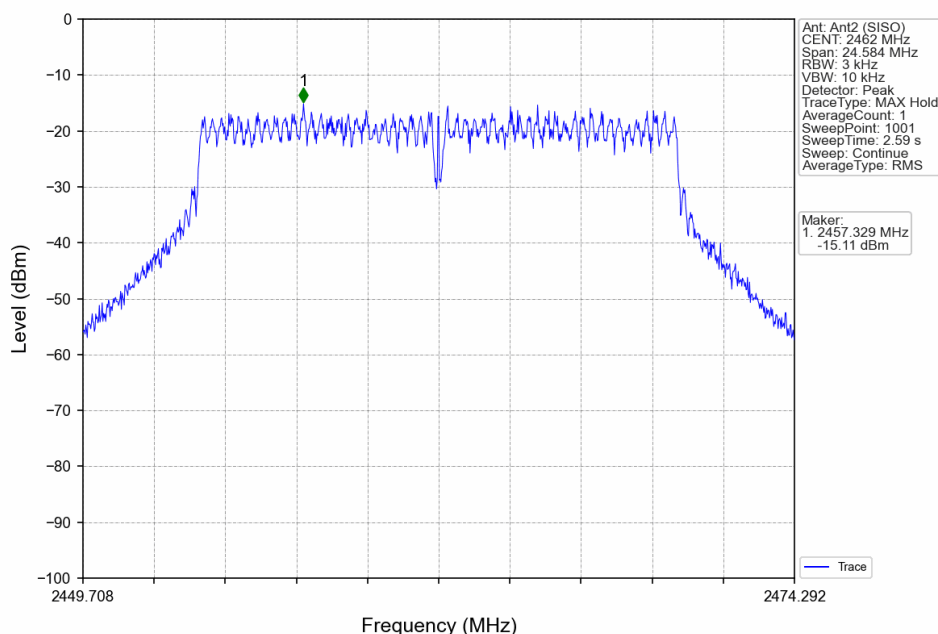
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802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



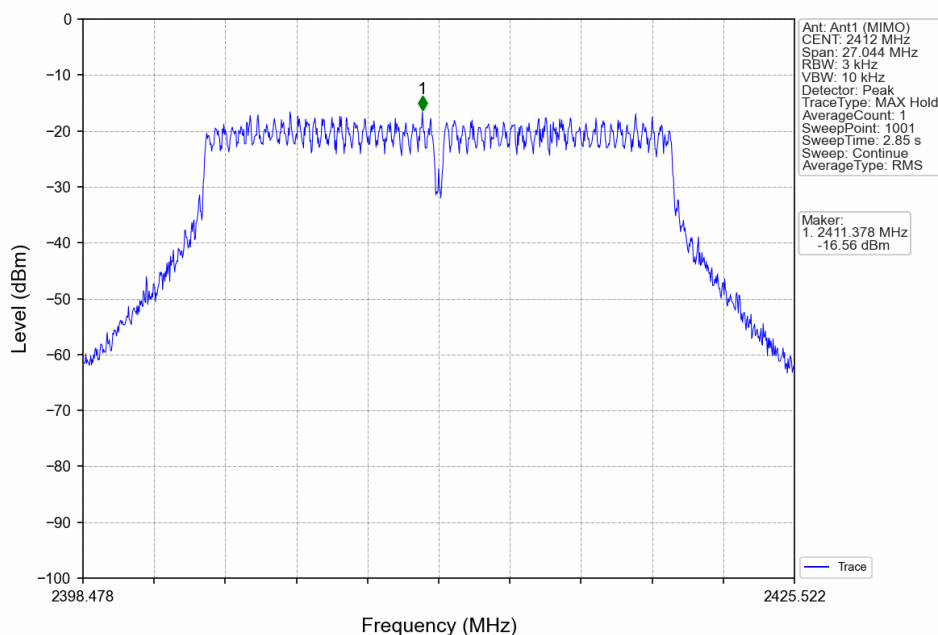
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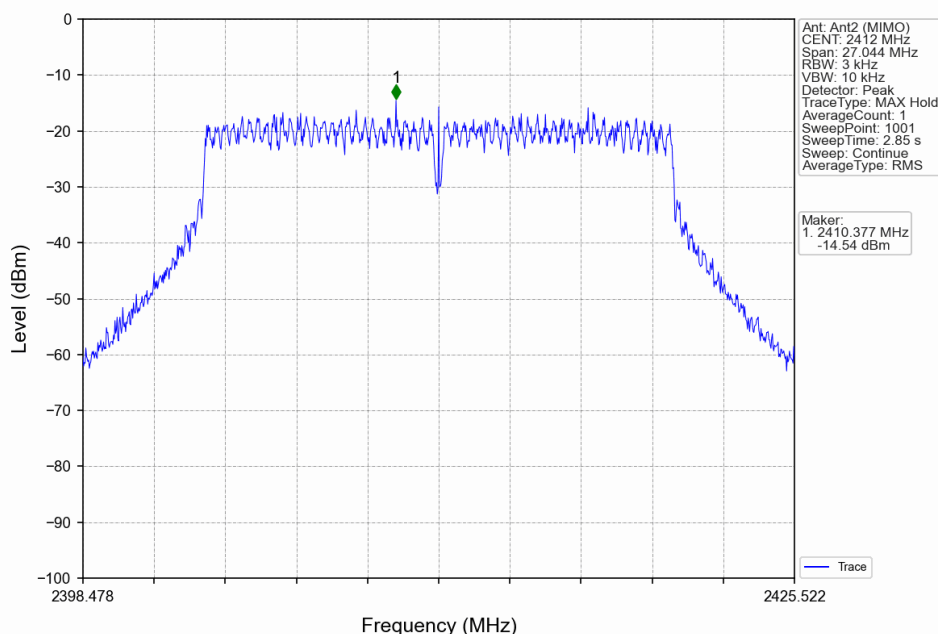
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802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



802.11n(HT20)_LCH_2412MHz_Ant2 (MIMO)_NTNV

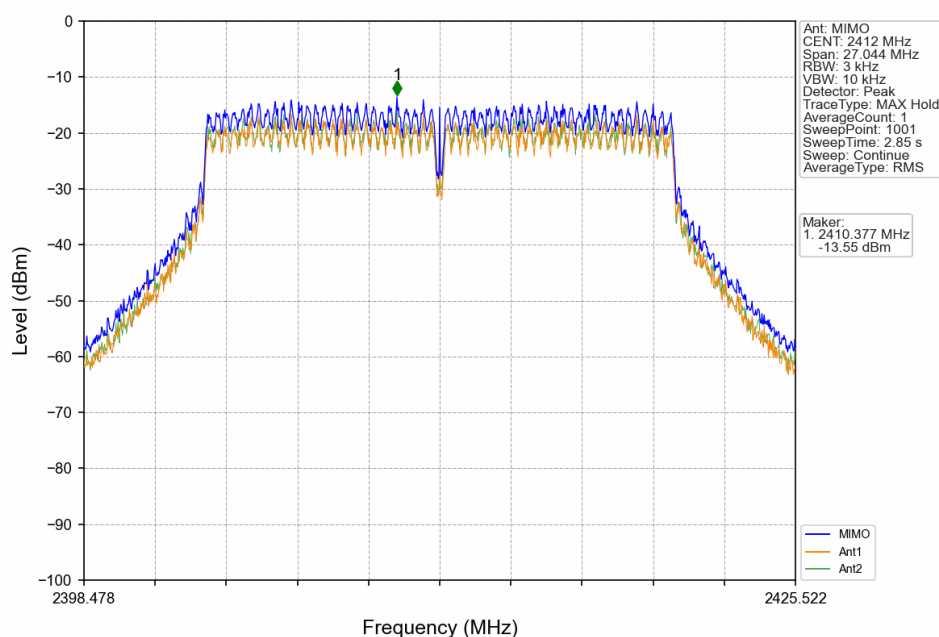


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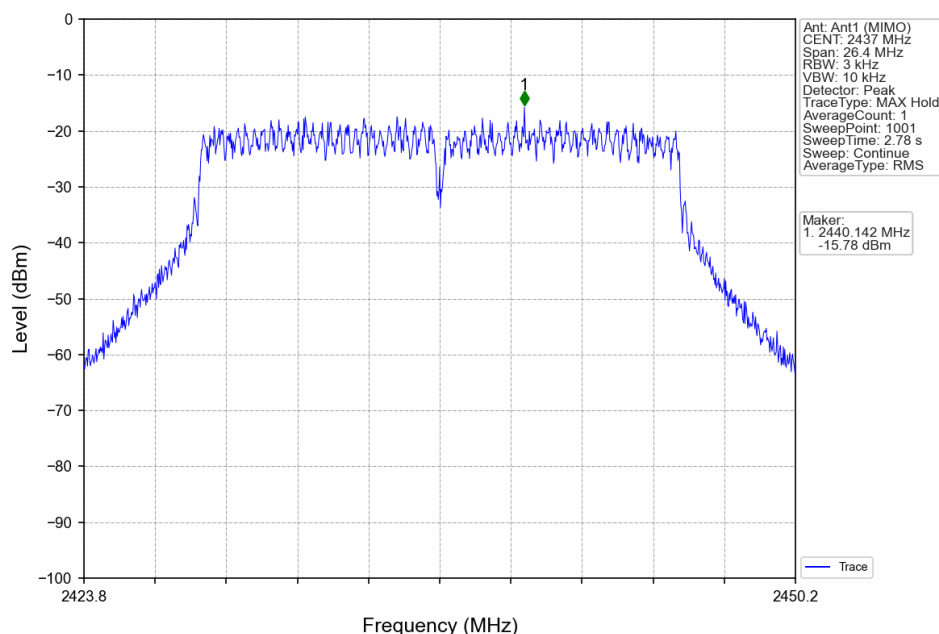
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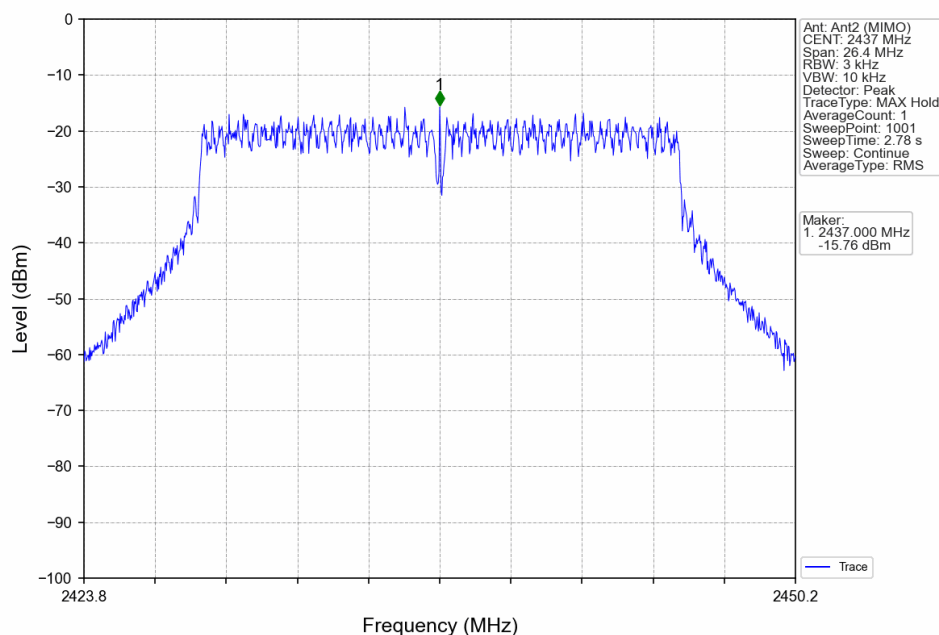
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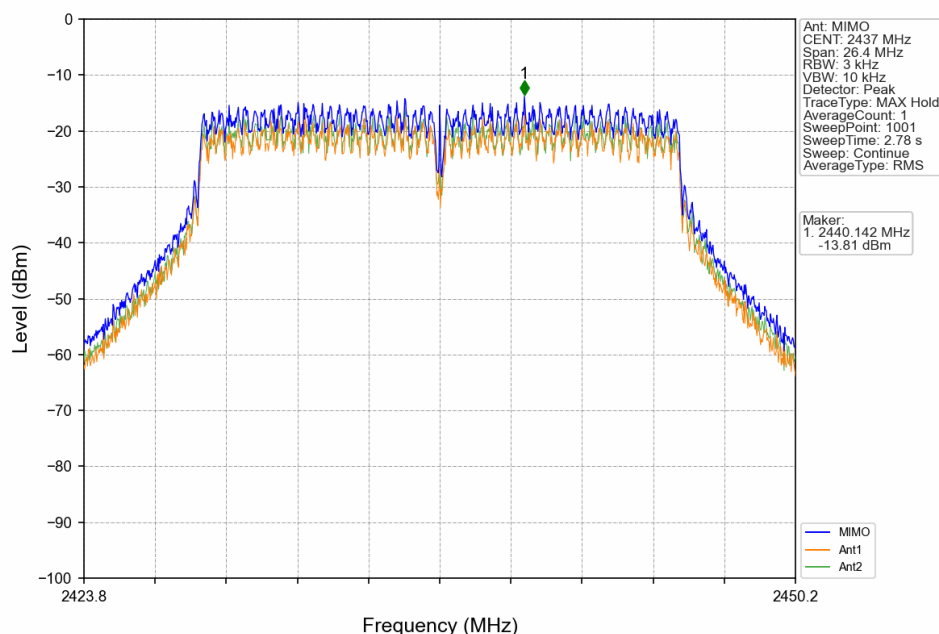
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802.11n(HT20)_MCH_2437MHz_Ant2 (MIMO)_NTNV



802.11n(HT20)_MCH_2437MHz_MIMO_NTNV



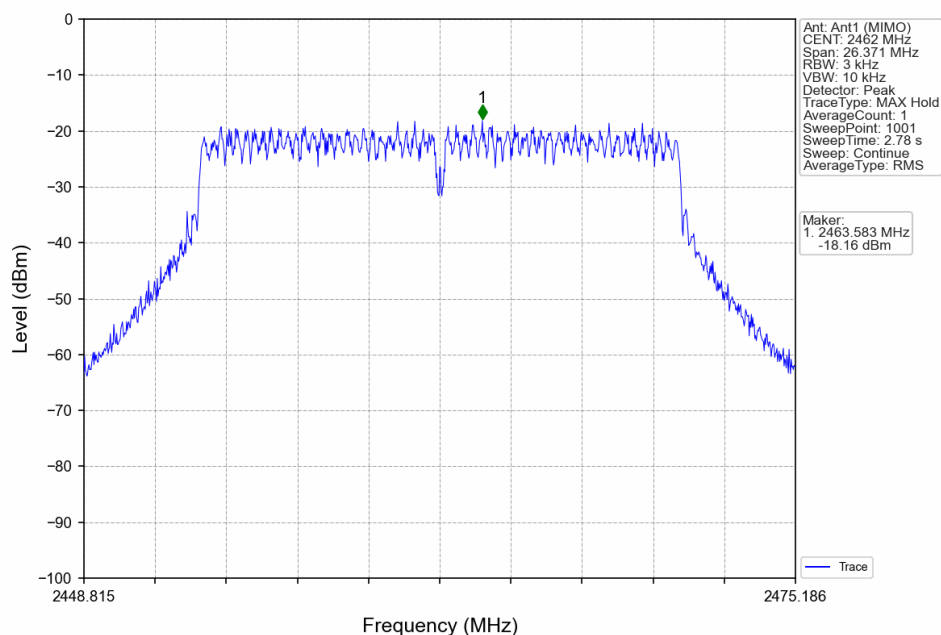
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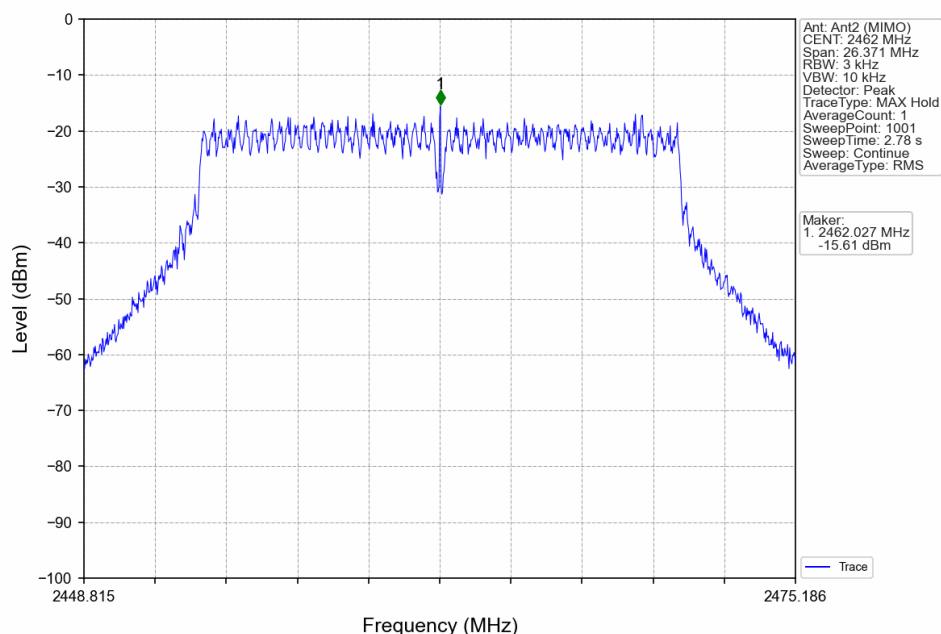
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802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



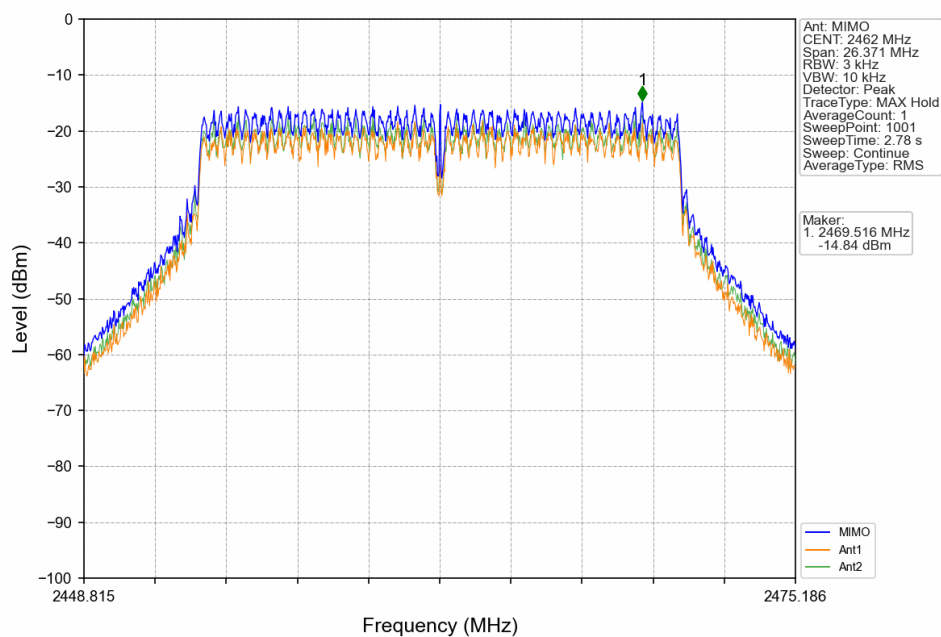
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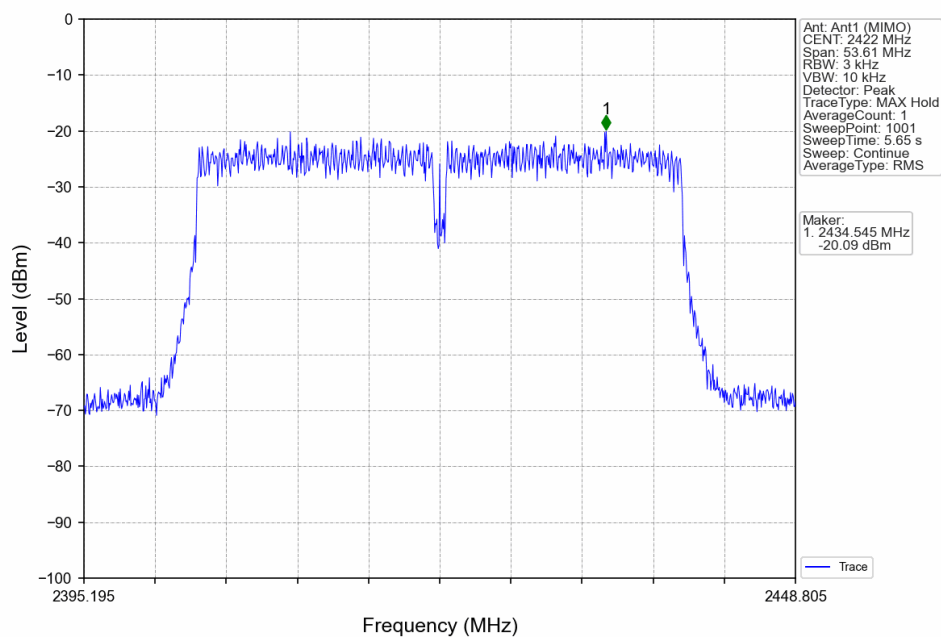
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802.11n(HT20)_HCH_2462MHz_MIMO_NTNV

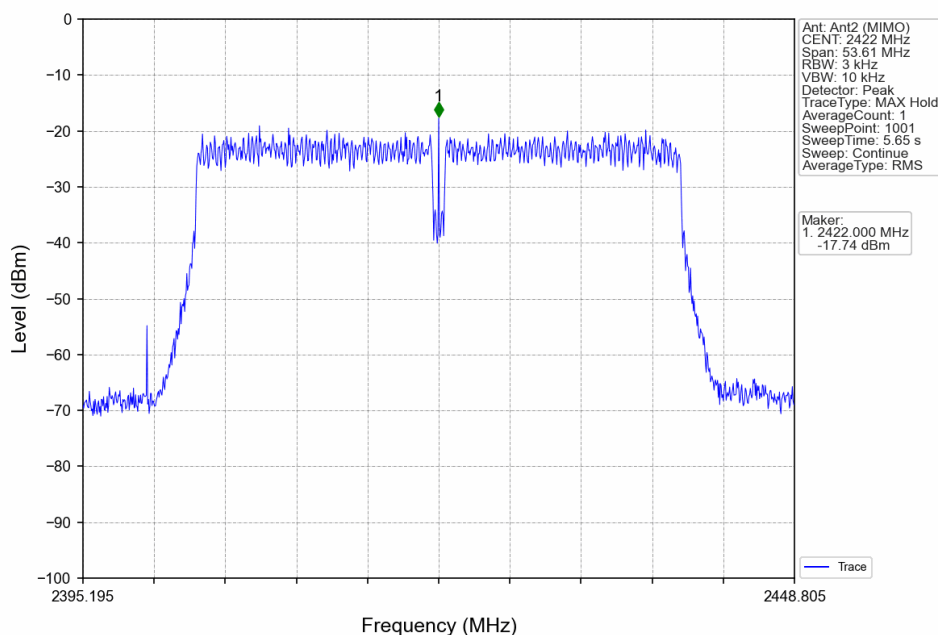


802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV

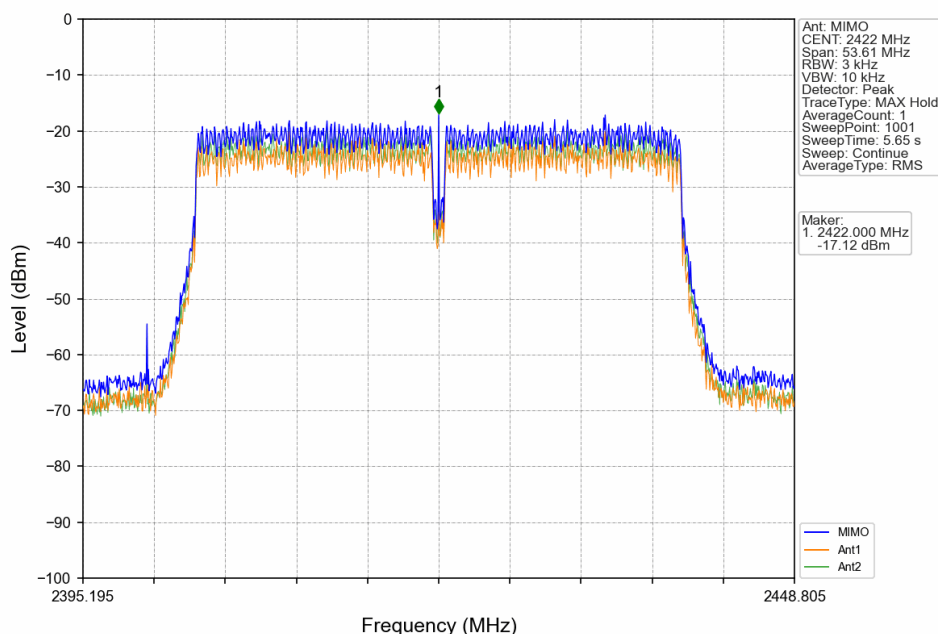


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802.11n(HT40)_LCH_2422MHz_Ant2 (MIMO)_NTNV

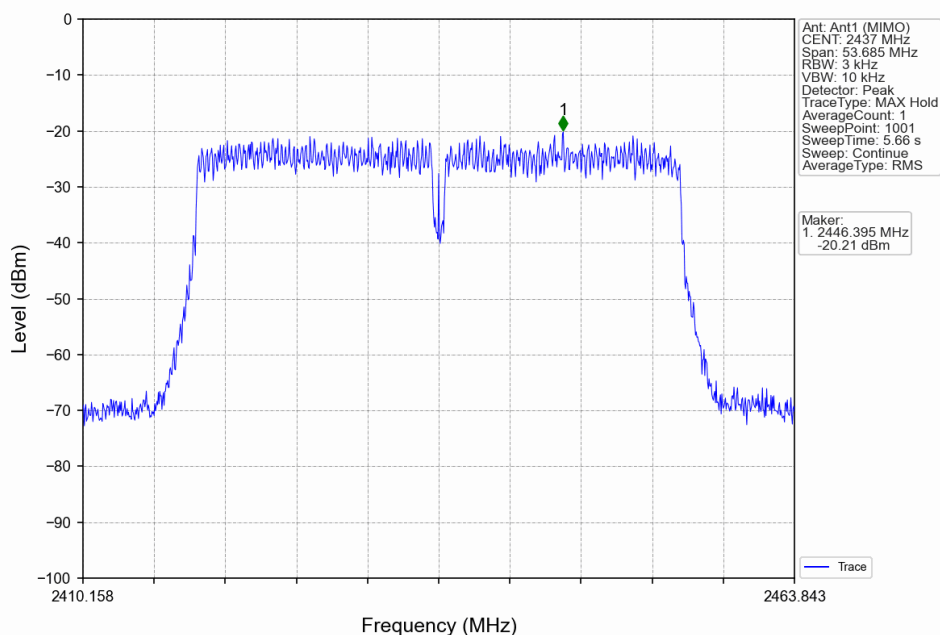


802.11n(HT40)_LCH_2422MHz_MIMO_NTNV

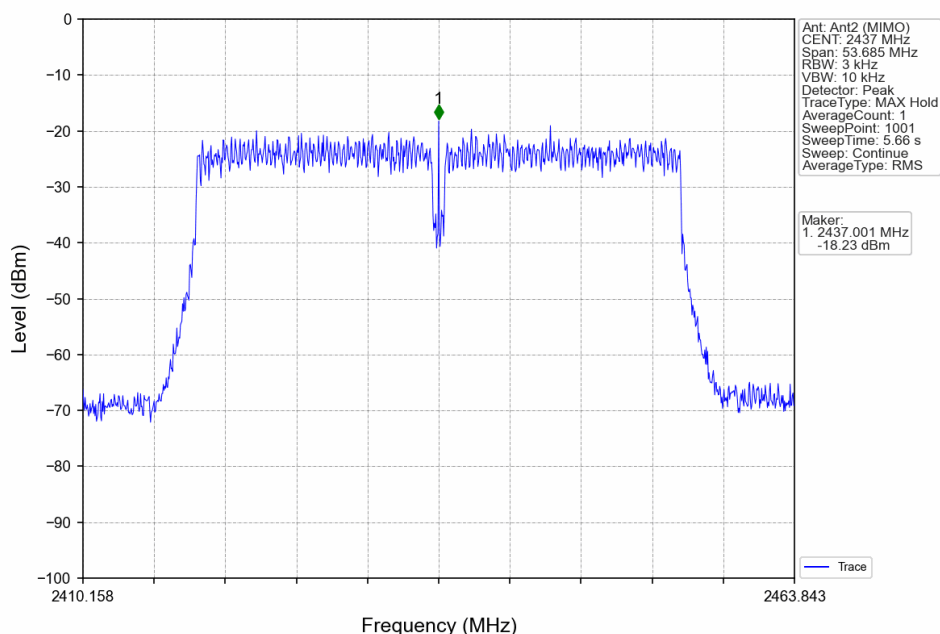


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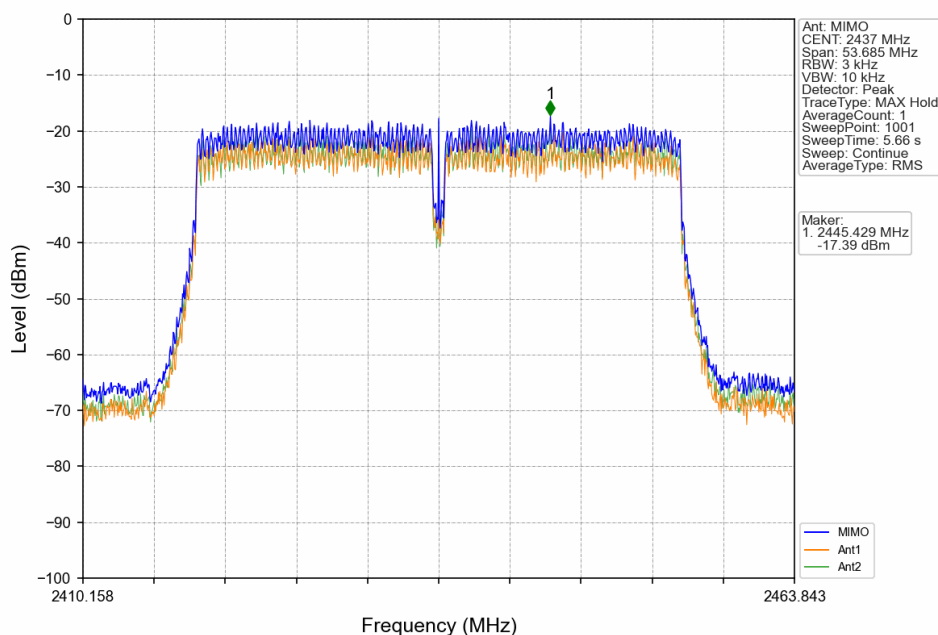
802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



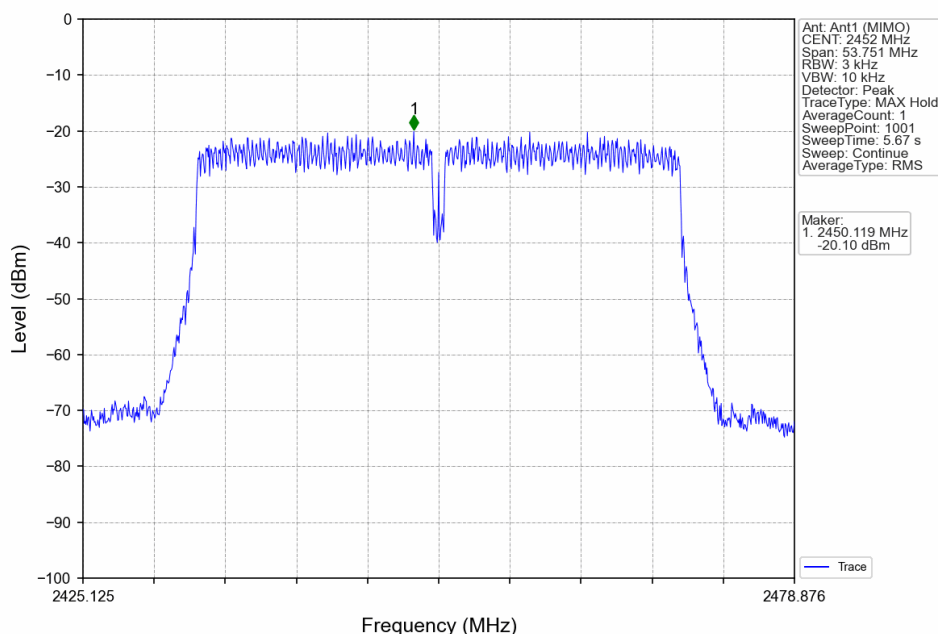
802.11n(HT40)_MCH_2437MHz_Ant2 (MIMO)_NTNV



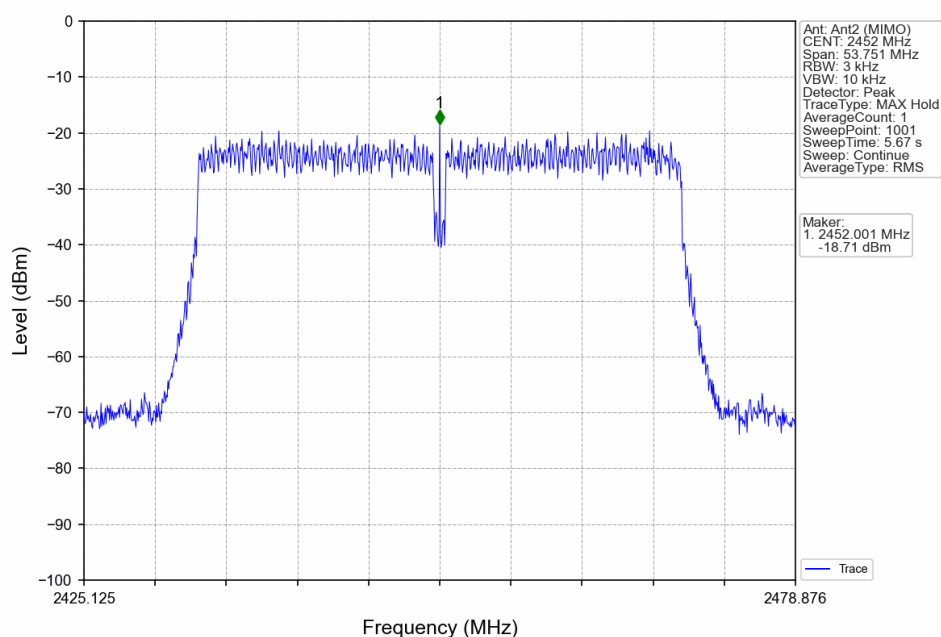
802.11n(HT40)_MCH_2437MHz_MIMO_NTNV



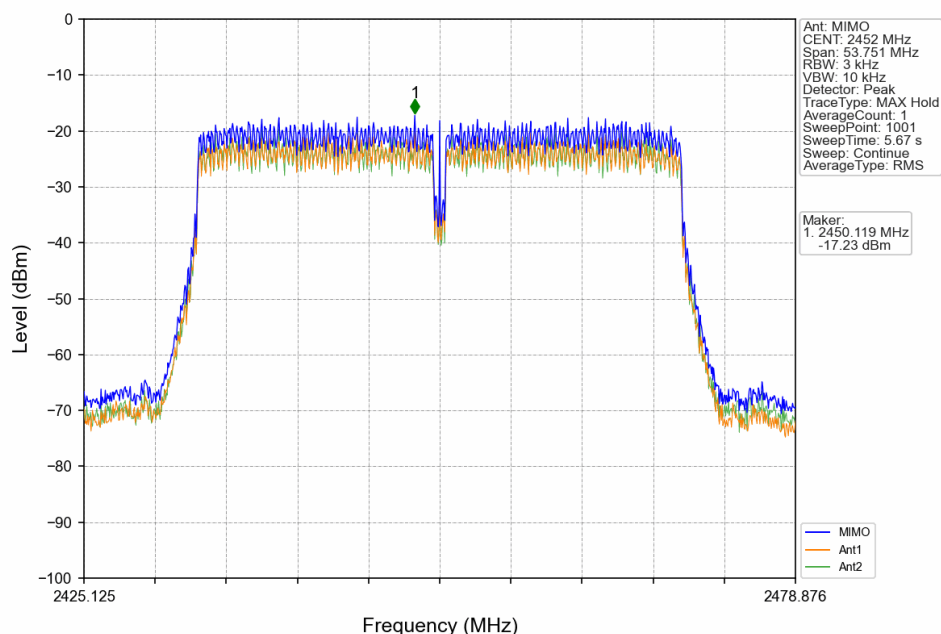
802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant2 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_MIMO_NTNV



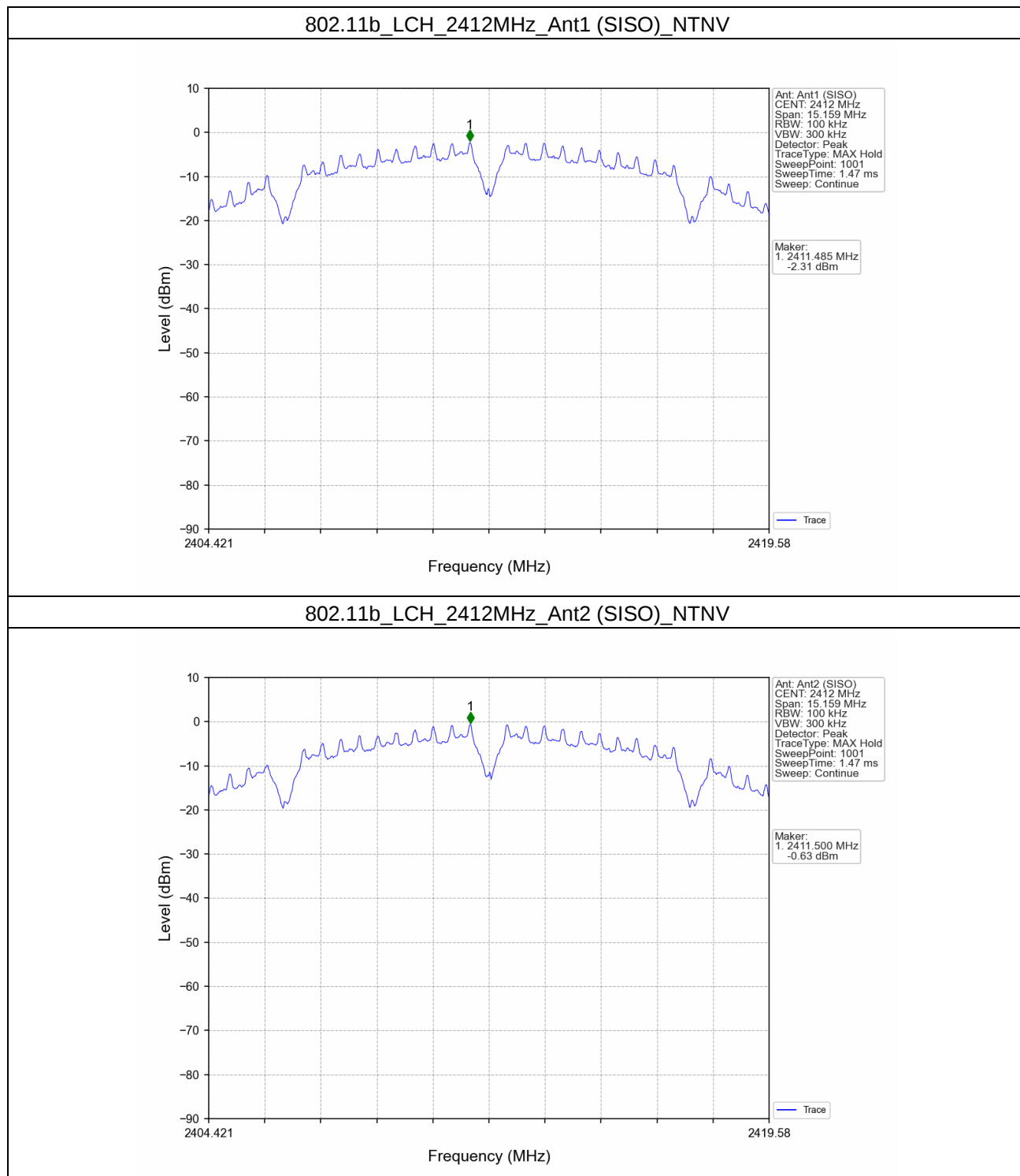
5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Ref

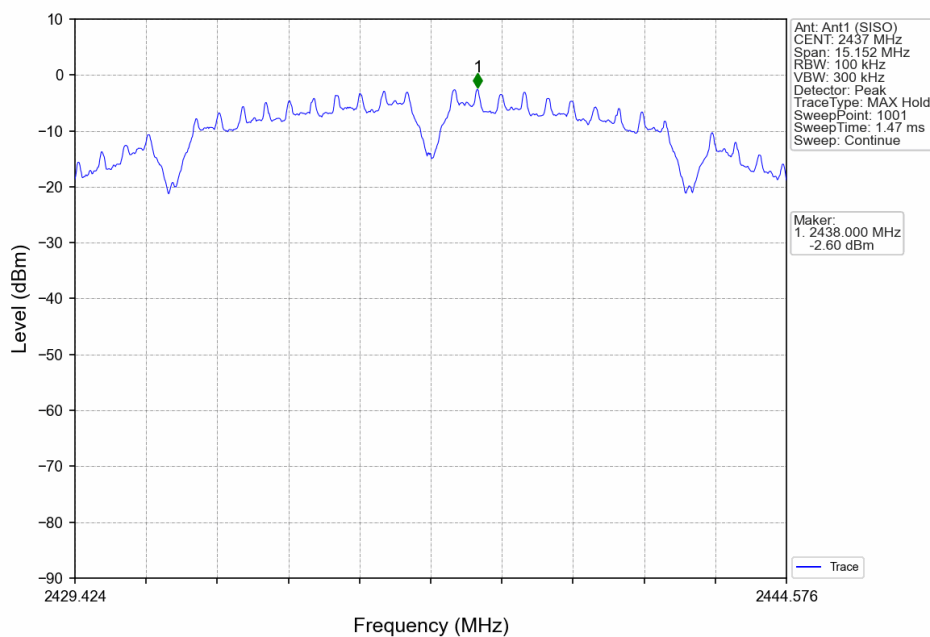
5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	-2.31
			2	-0.63
		2437	1	-2.60
			2	-0.44
		2462	1	-2.76
			2	-0.47
802.11g	SISO	2412	1	-1.61
			2	-0.86
		2437	1	-1.29
			2	-0.33
		2462	1	-2.28
			2	-1.42
802.11n (HT20)	MIMO	2412	1	-1.92
			2	-1.86
		2437	1	-2.15
			2	-1.60
		2462	1	-3.78
			2	-2.55
802.11n (HT40)	MIMO	2422	1	-5.57
			2	-4.95
		2437	1	-5.39
			2	-4.86
		2452	1	-5.74
			2	-4.94
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.				

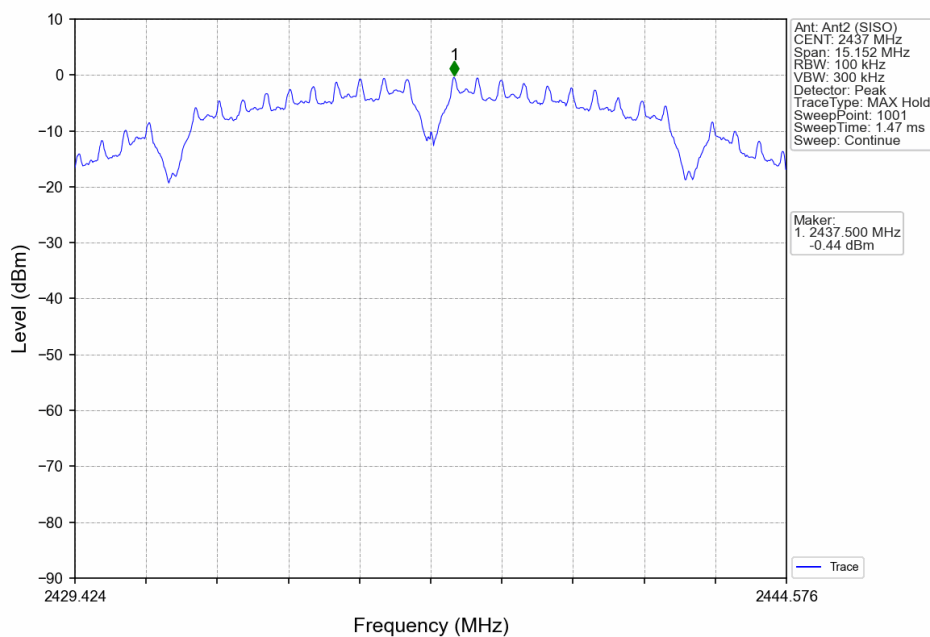
5.1.2 Test Graph



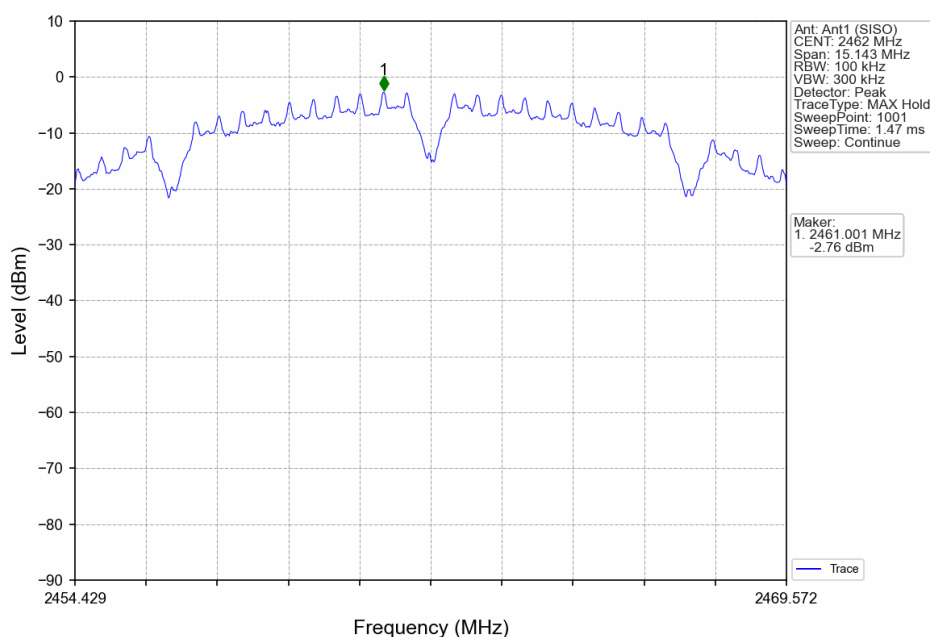
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



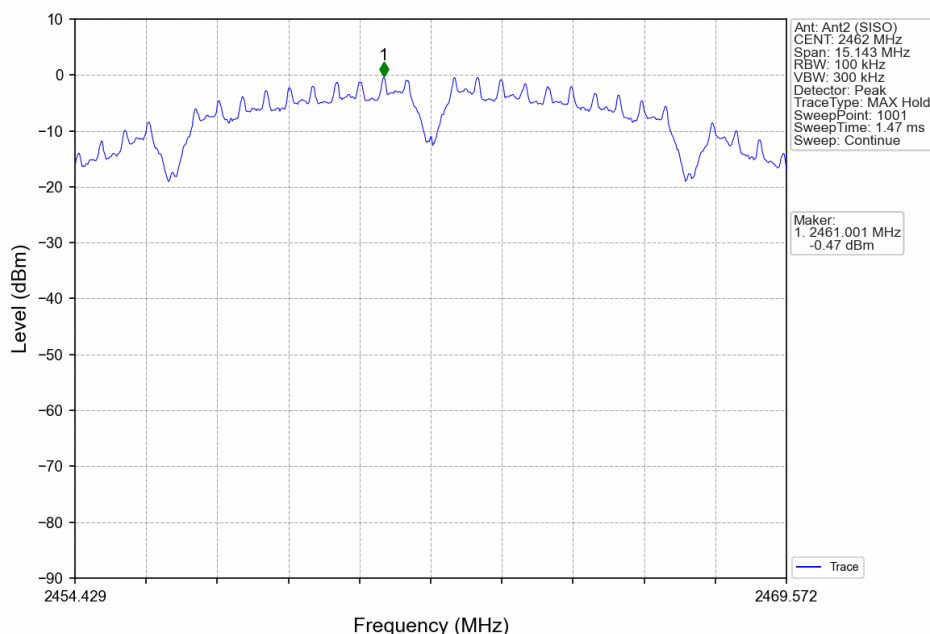
802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV



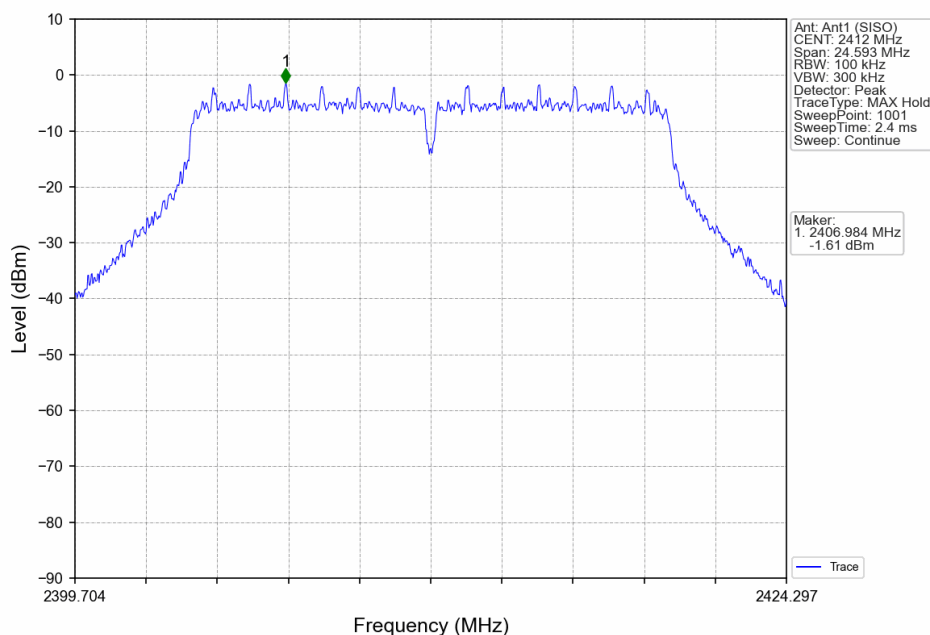
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



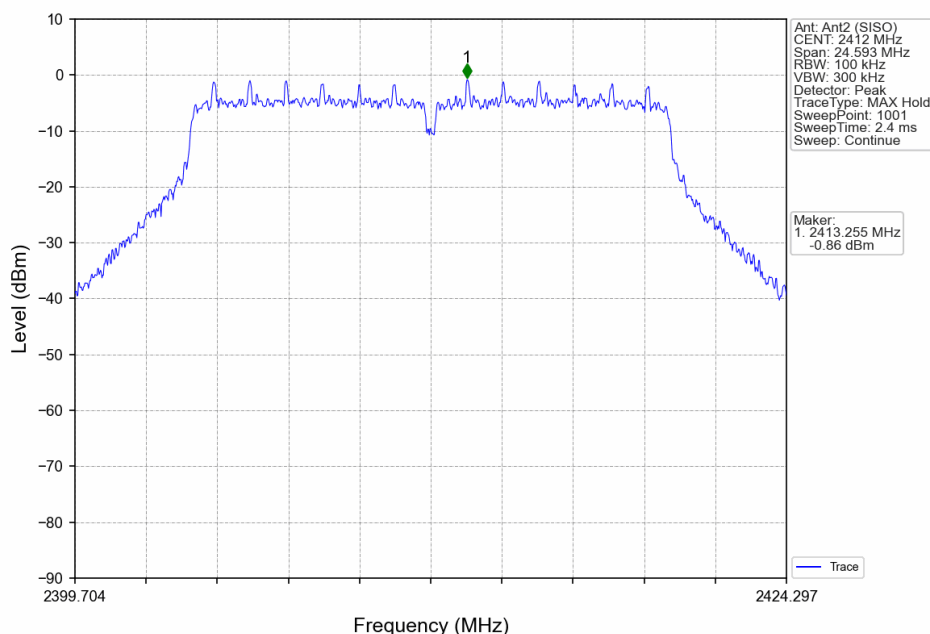
802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV



802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



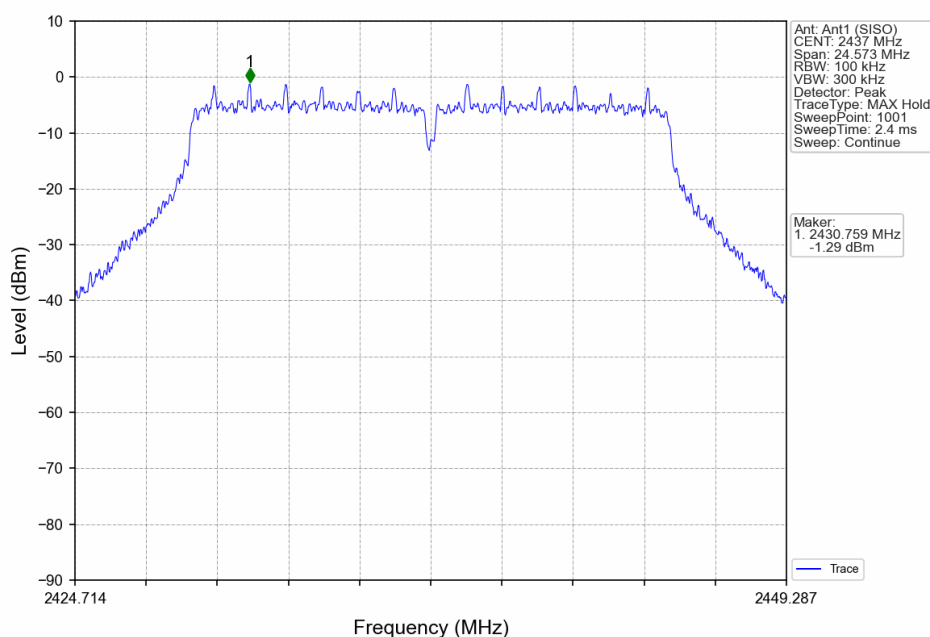
802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV



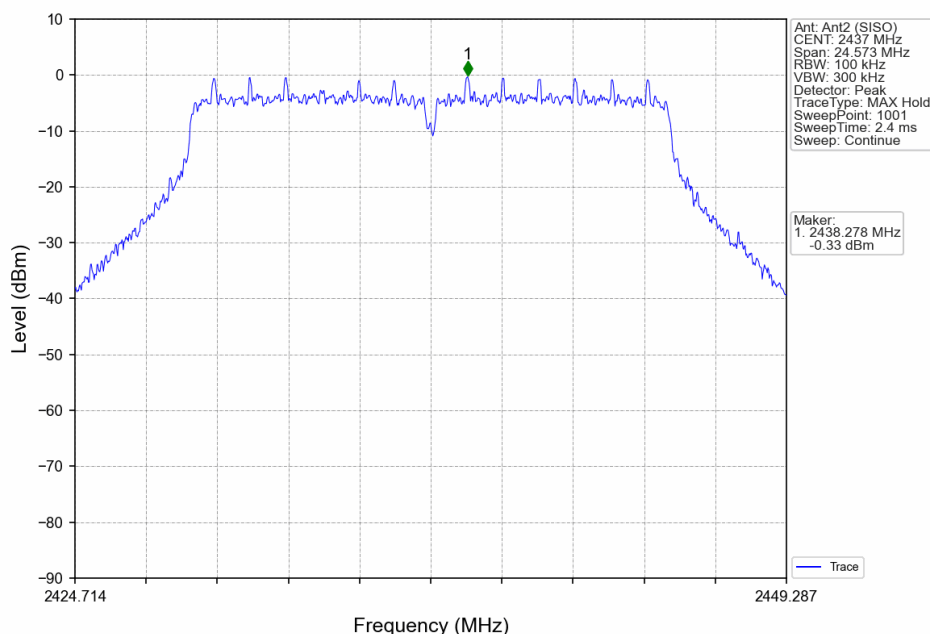
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802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



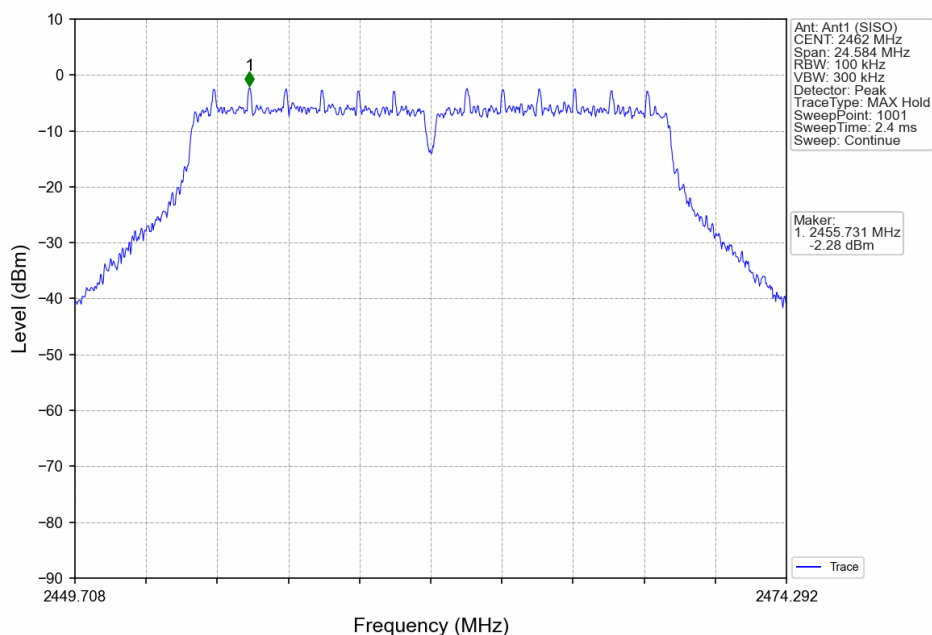
802.11g_MCH_2437MHz_Ant2 (SISO)_NTNV



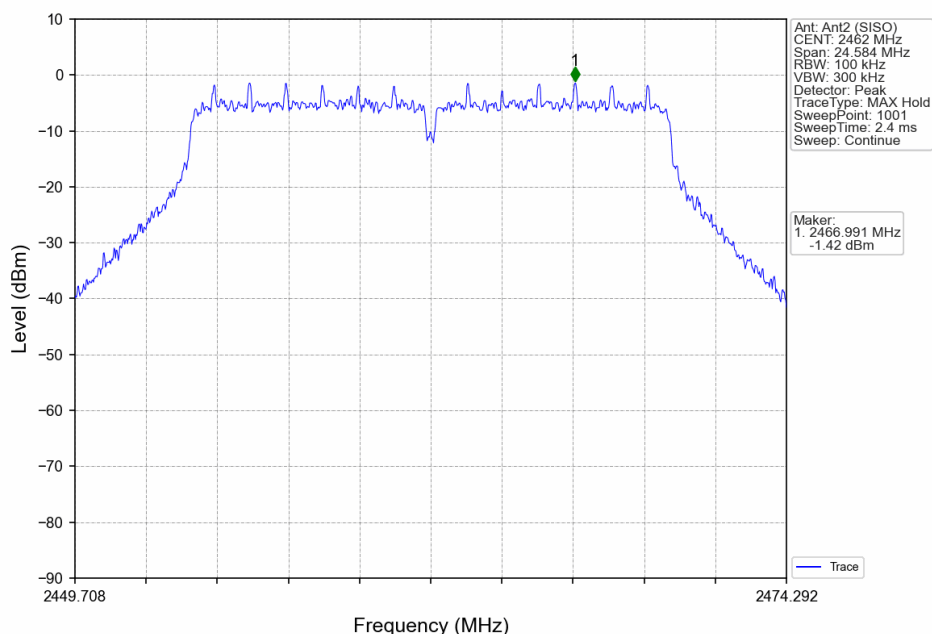
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802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV



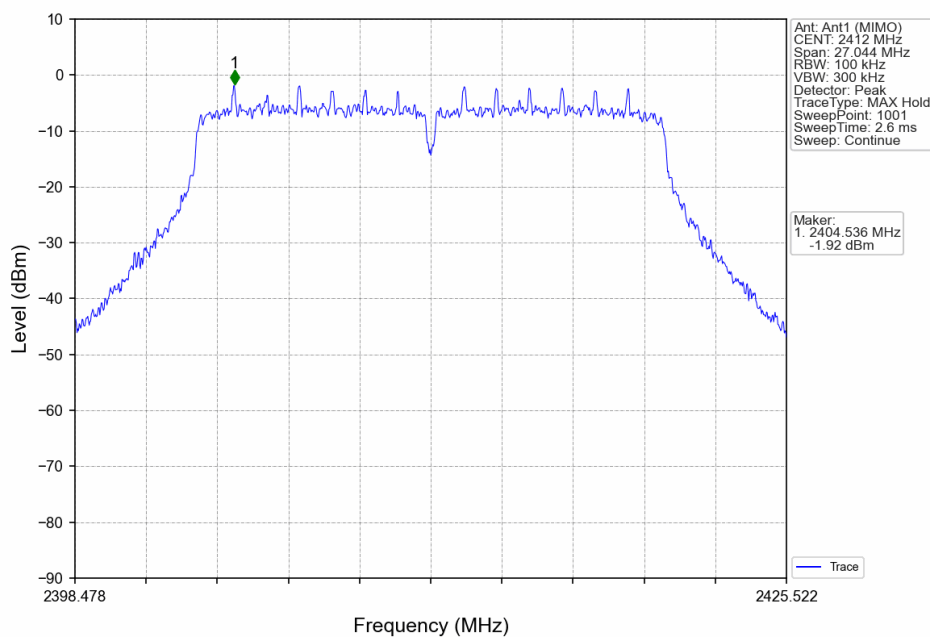
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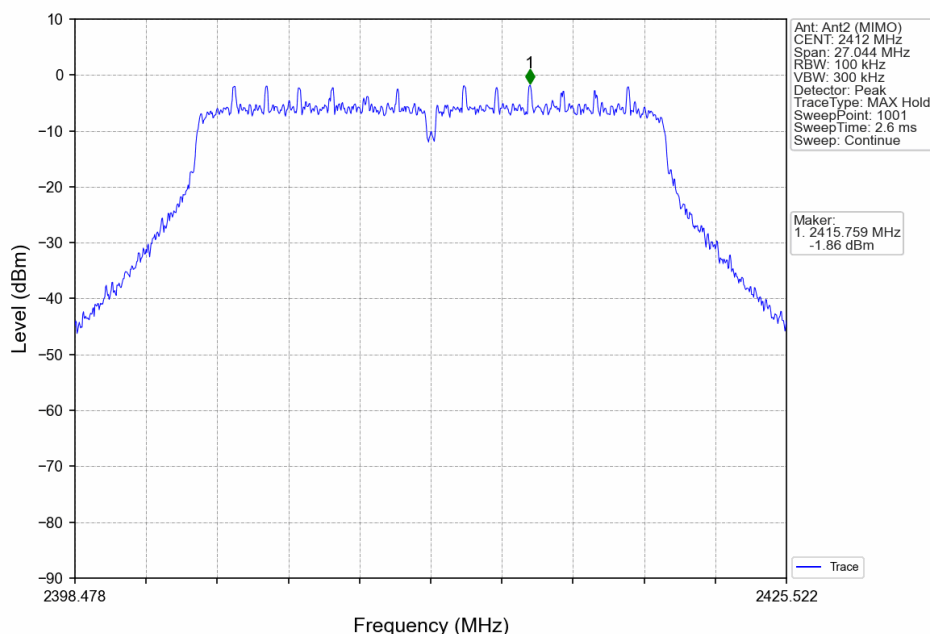
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中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075058 sgs.china@sgs.com

802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV

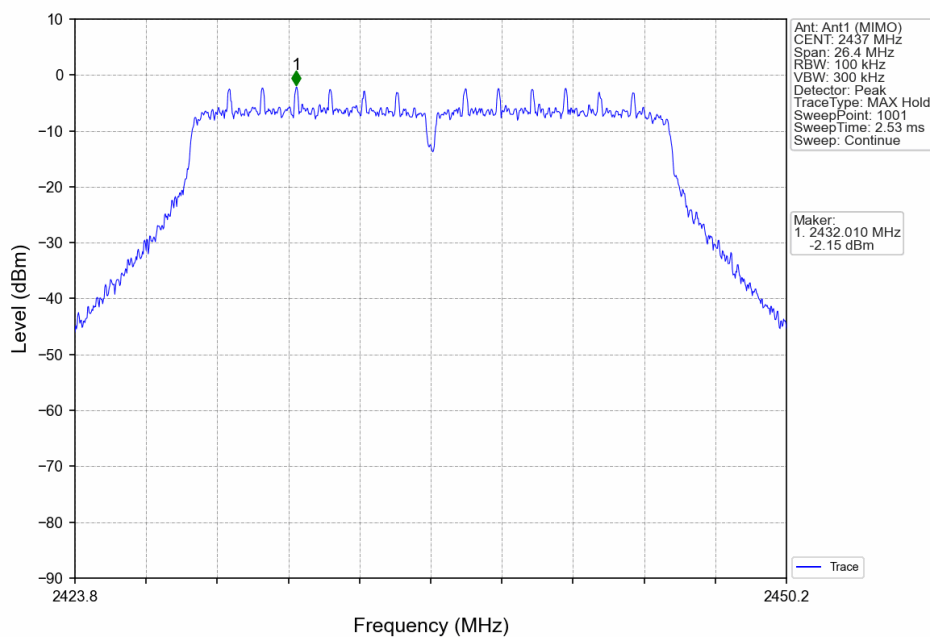


802.11n(HT20)_LCH_2412MHz_Ant2 (MIMO)_NTNV

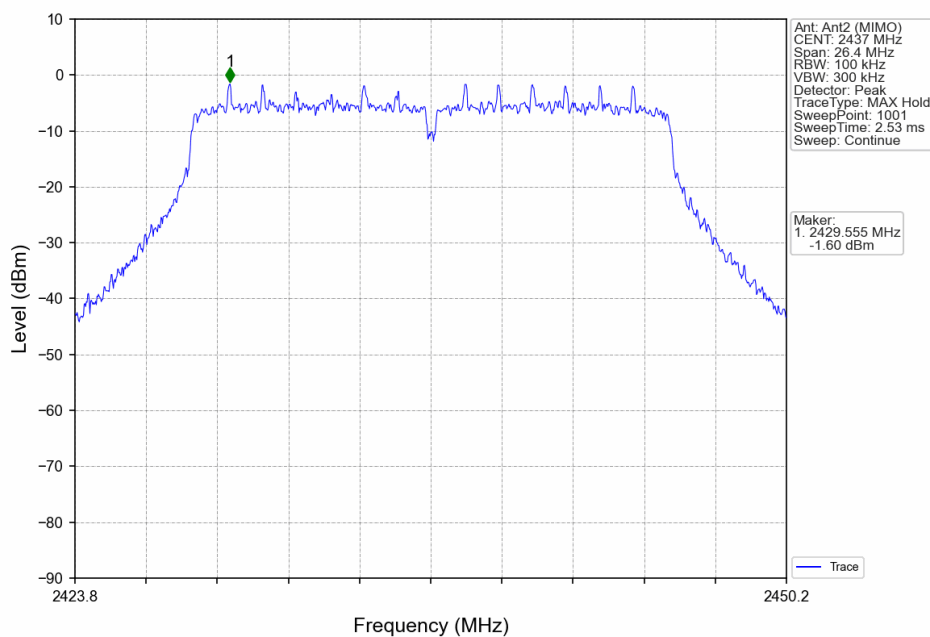


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802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant2 (MIMO)_NTNV

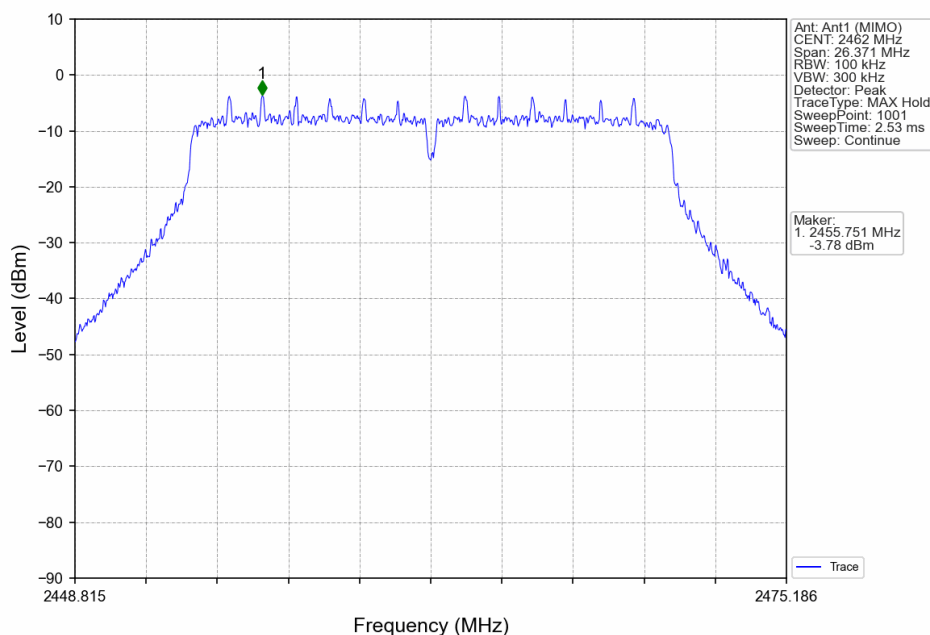


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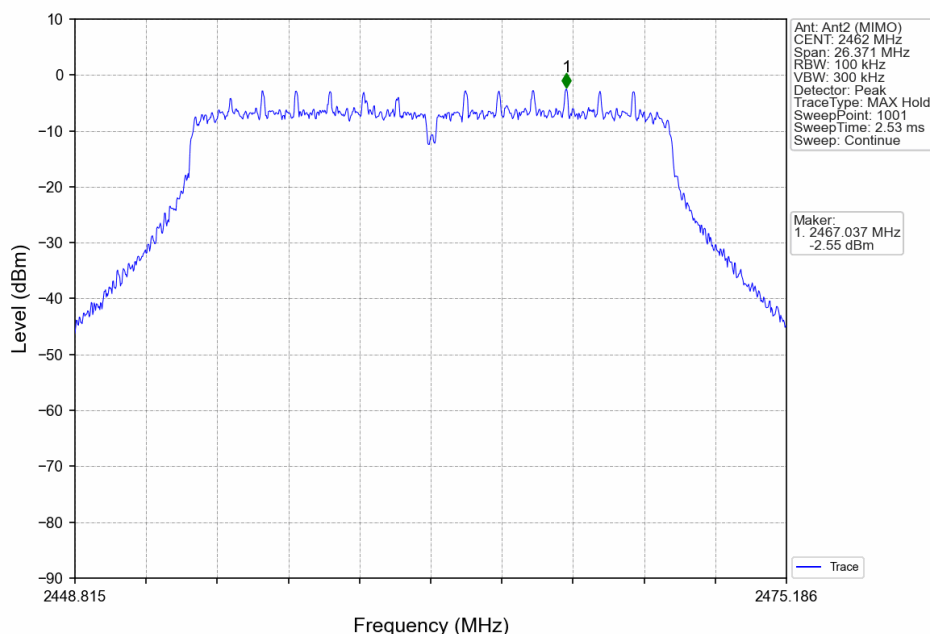
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802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



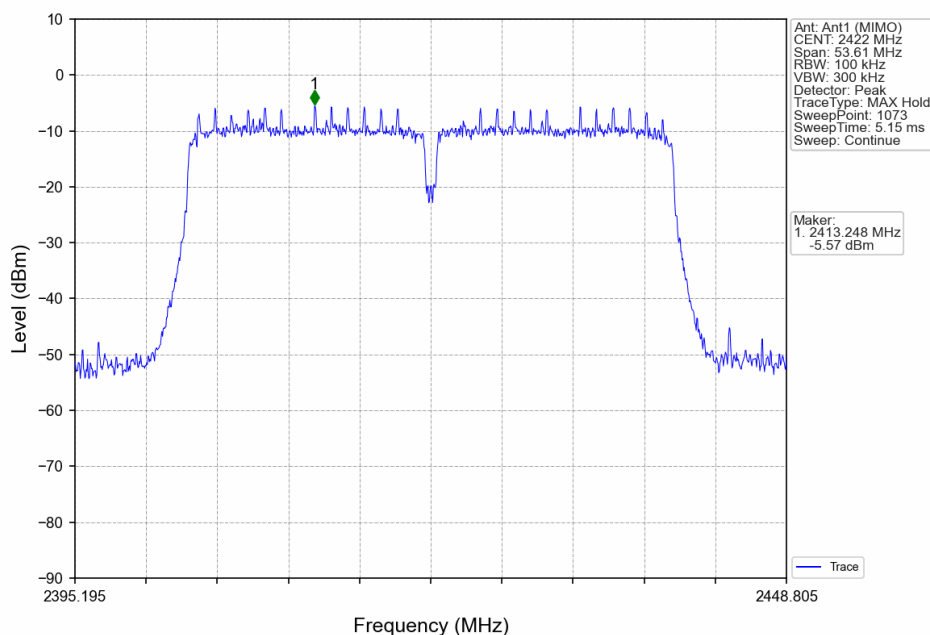
802.11n(HT20)_HCH_2462MHz_Ant2 (MIMO)_NTNV



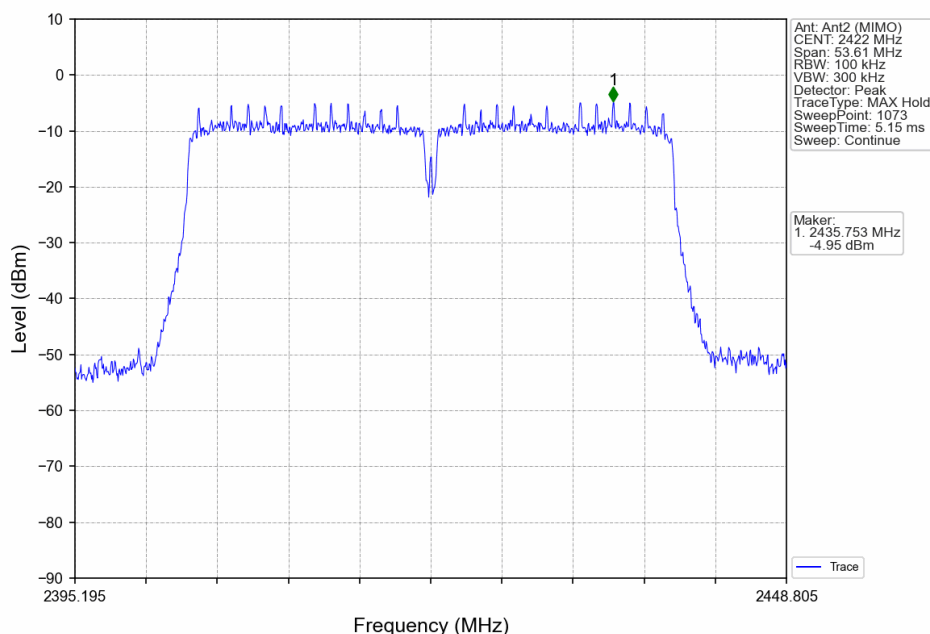
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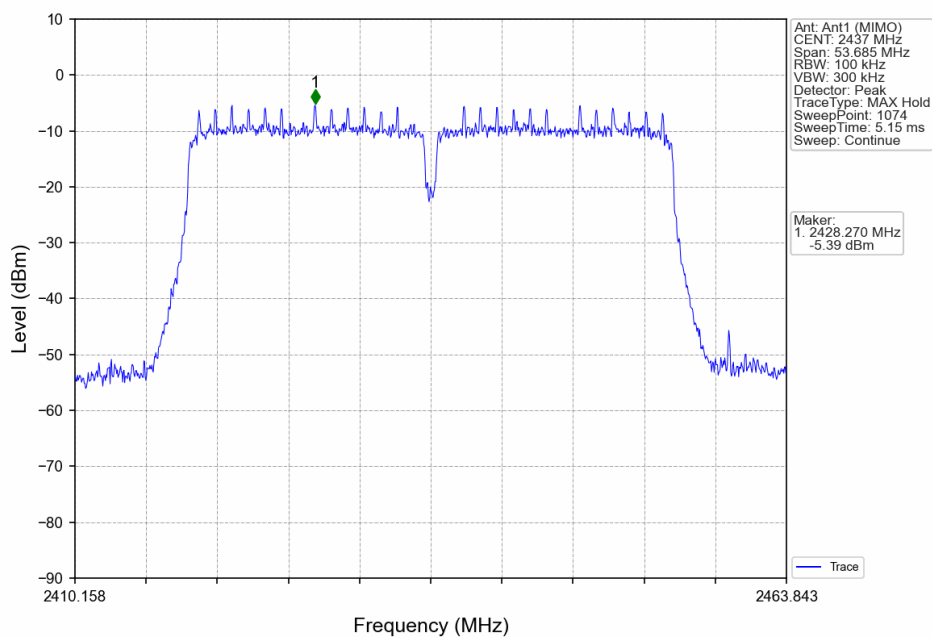
802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



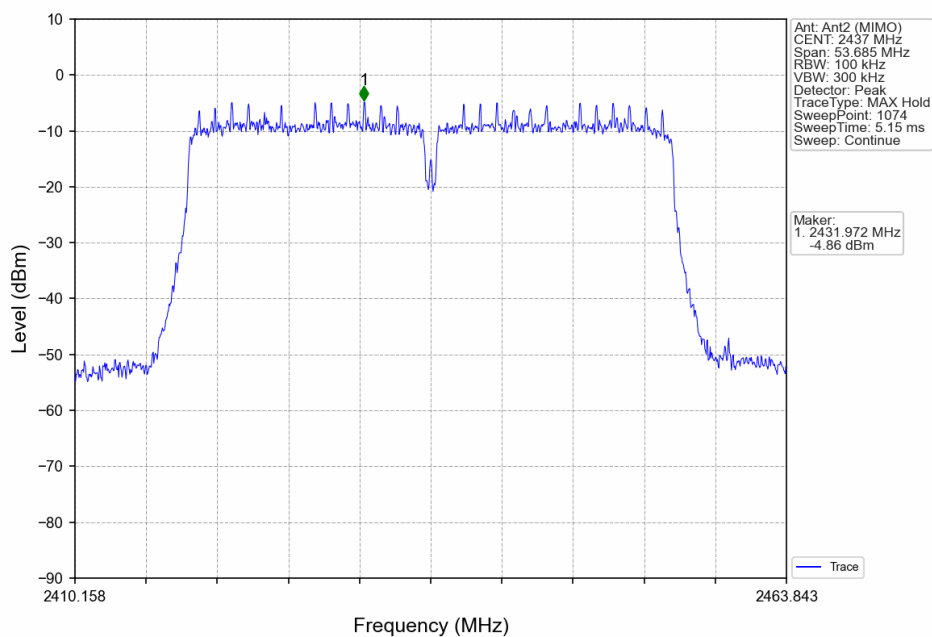
802.11n(HT40)_LCH_2422MHz_Ant2 (MIMO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV

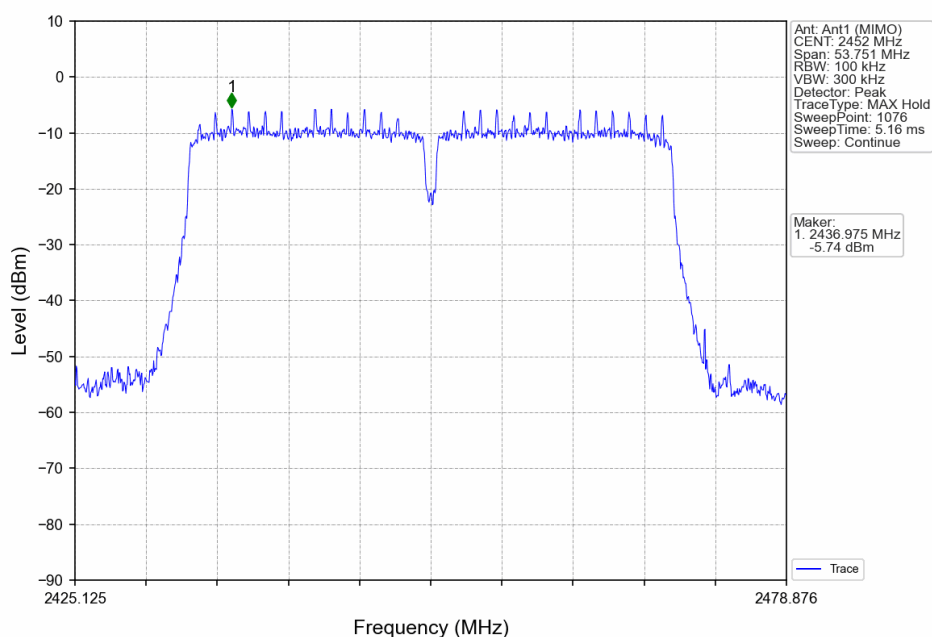


802.11n(HT40)_MCH_2437MHz_Ant2 (MIMO)_NTNV

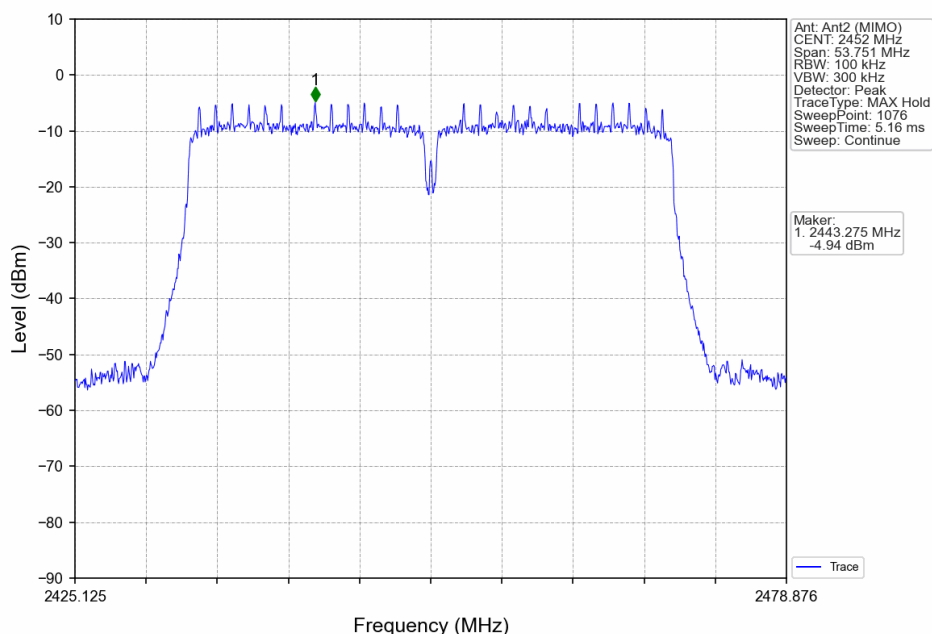


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802.11n(HT40)_HCH_2452MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant2 (MIMO)_NTNV



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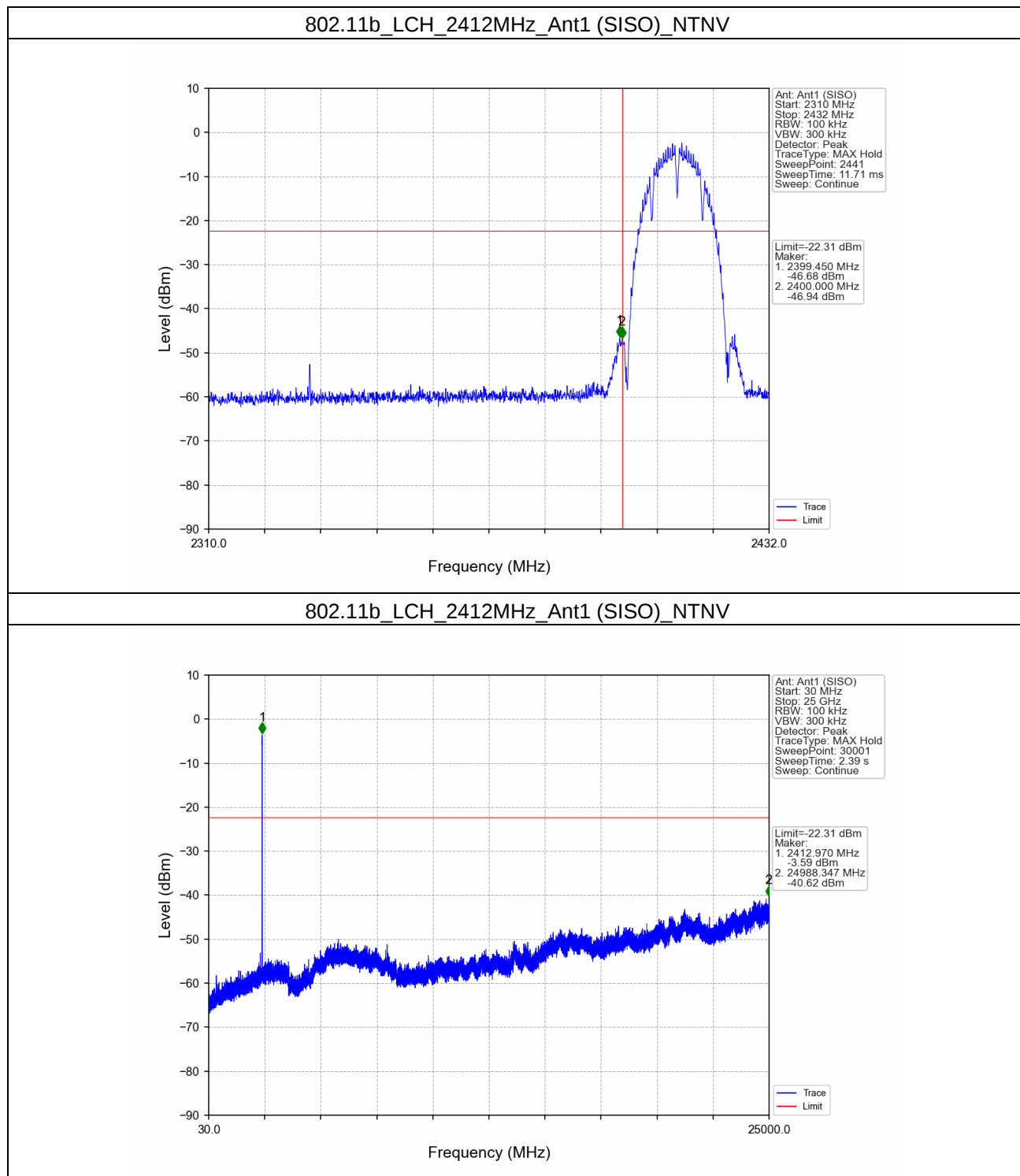
5.2 CSE

5.2.1 Test Result

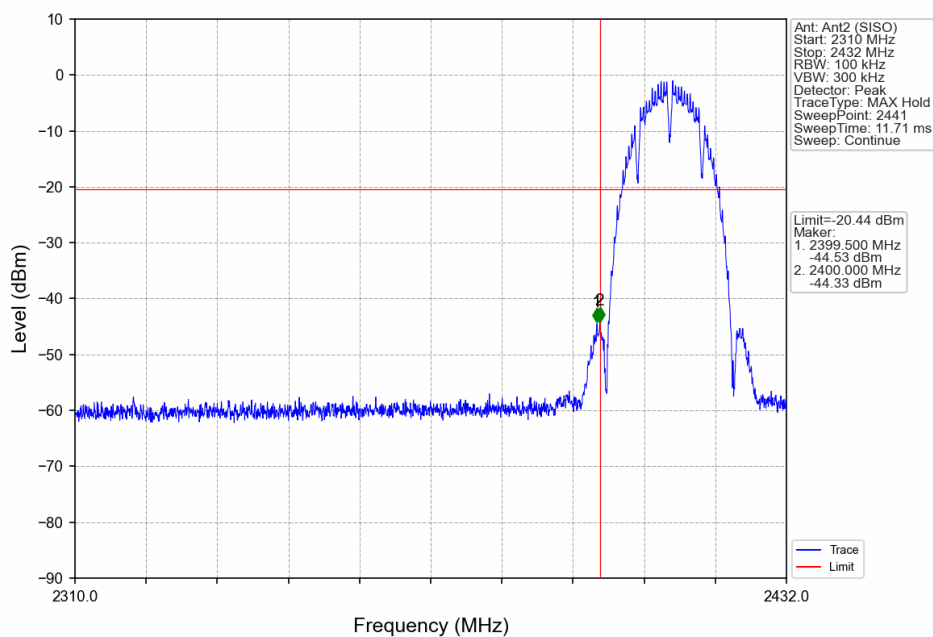
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	-2.31	-22.31	Pass
			2	-0.44	-20.44	Pass
		2437	1	-2.31	-22.31	Pass
			2	-0.44	-20.44	Pass
		2462	1	-2.31	-22.31	Pass
			2	-0.44	-20.44	Pass
802.11g	SISO	2412	1	-1.29	-21.29	Pass
			2	-0.33	-20.33	Pass
		2437	1	-1.29	-21.29	Pass
			2	-0.33	-20.33	Pass
		2462	1	-1.29	-21.29	Pass
			2	-0.33	-20.33	Pass
802.11n (HT20)	MIMO	2412	1	-1.92	-21.92	Pass
			2	-1.60	-21.60	Pass
		2437	1	-1.92	-21.92	Pass
			2	-1.60	-21.60	Pass
		2462	1	-1.92	-21.92	Pass
			2	-1.60	-21.60	Pass
802.11n (HT40)	MIMO	2422	1	-5.39	-25.39	Pass
			2	-4.86	-24.86	Pass
		2437	1	-5.39	-25.39	Pass
			2	-4.86	-24.86	Pass
		2452	1	-5.39	-25.39	Pass
			2	-4.86	-24.86	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.

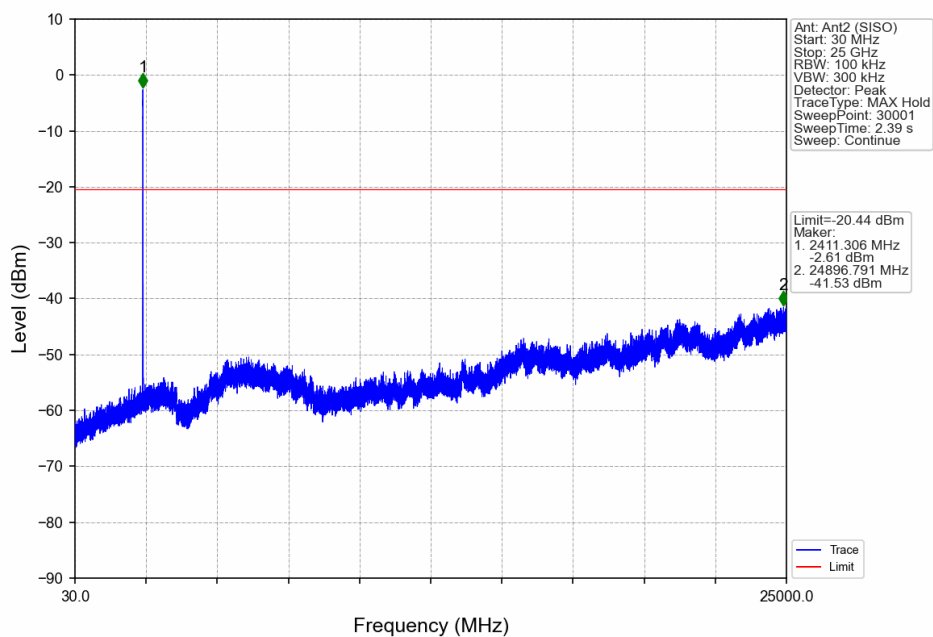
5.2.2 Test Graph



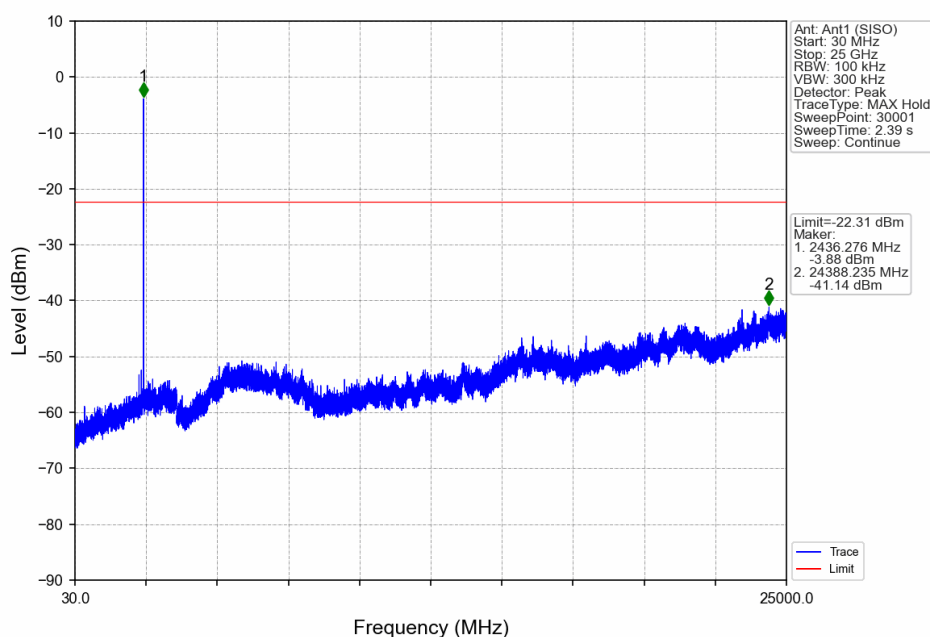
802.11b_LCH_2412MHz_Ant2 (SISO)_NTNV



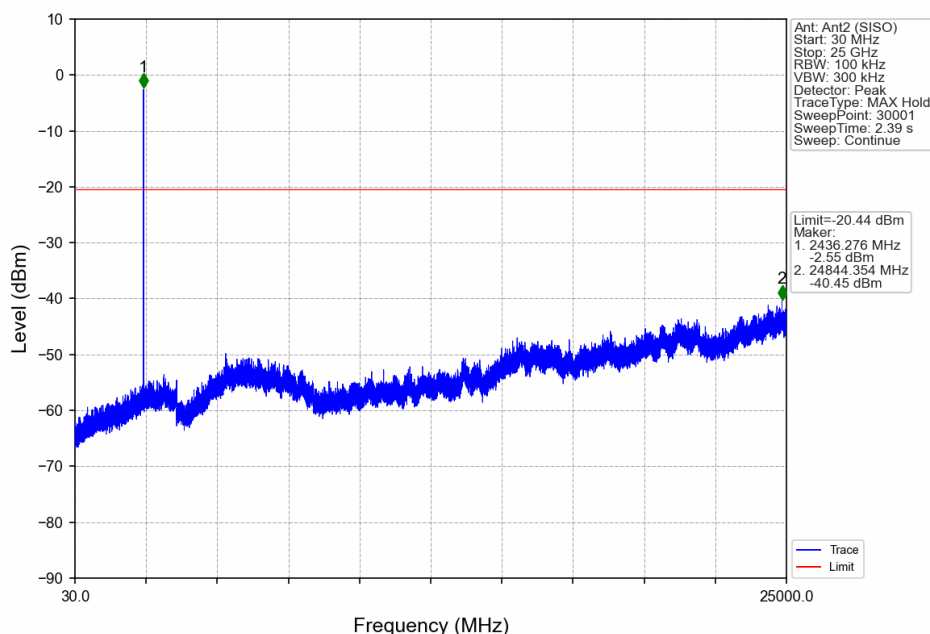
802.11b_LCH_2412MHz_Ant2 (SISO)_NTNV



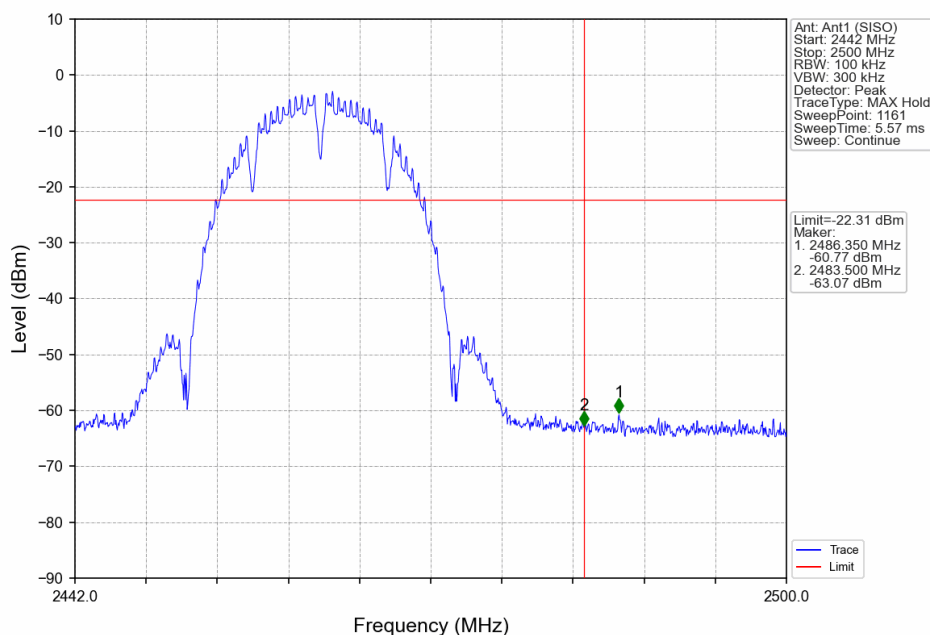
802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV



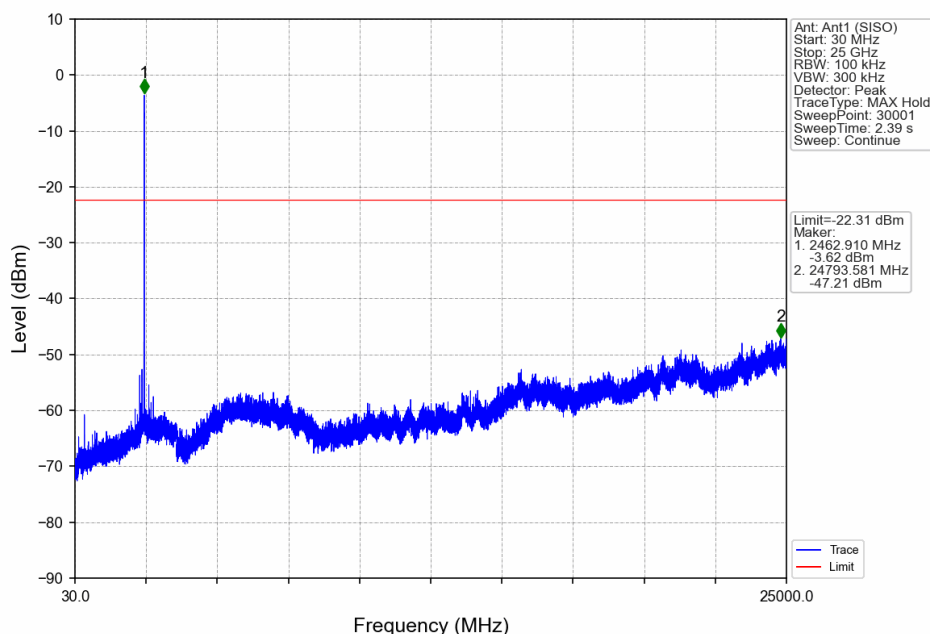
802.11b_MCH_2437MHz_Ant2 (SISO)_NTNV



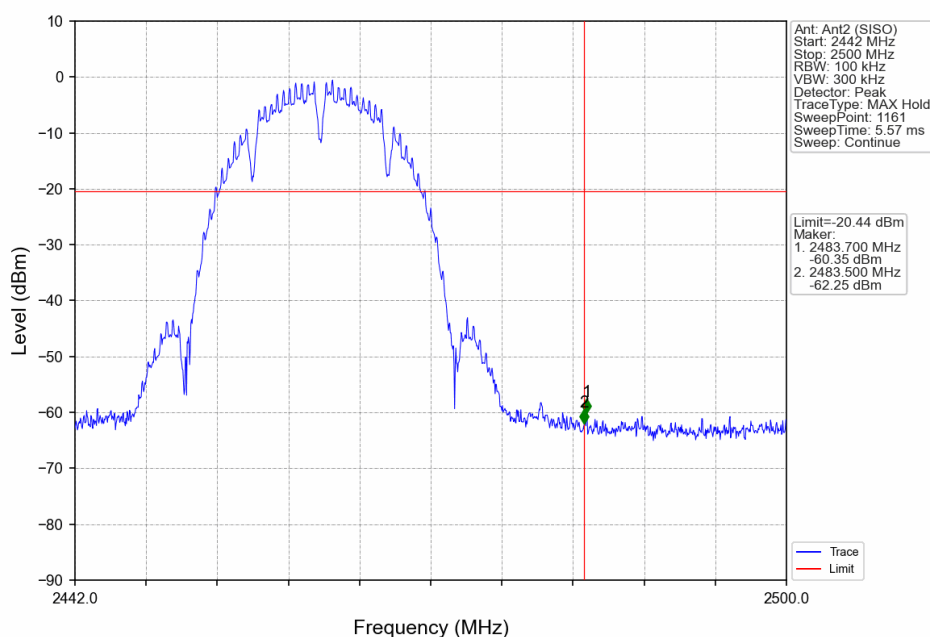
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV



802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV

