

2. Bandwidth

2.1 OBW

2.1.1 Test Result

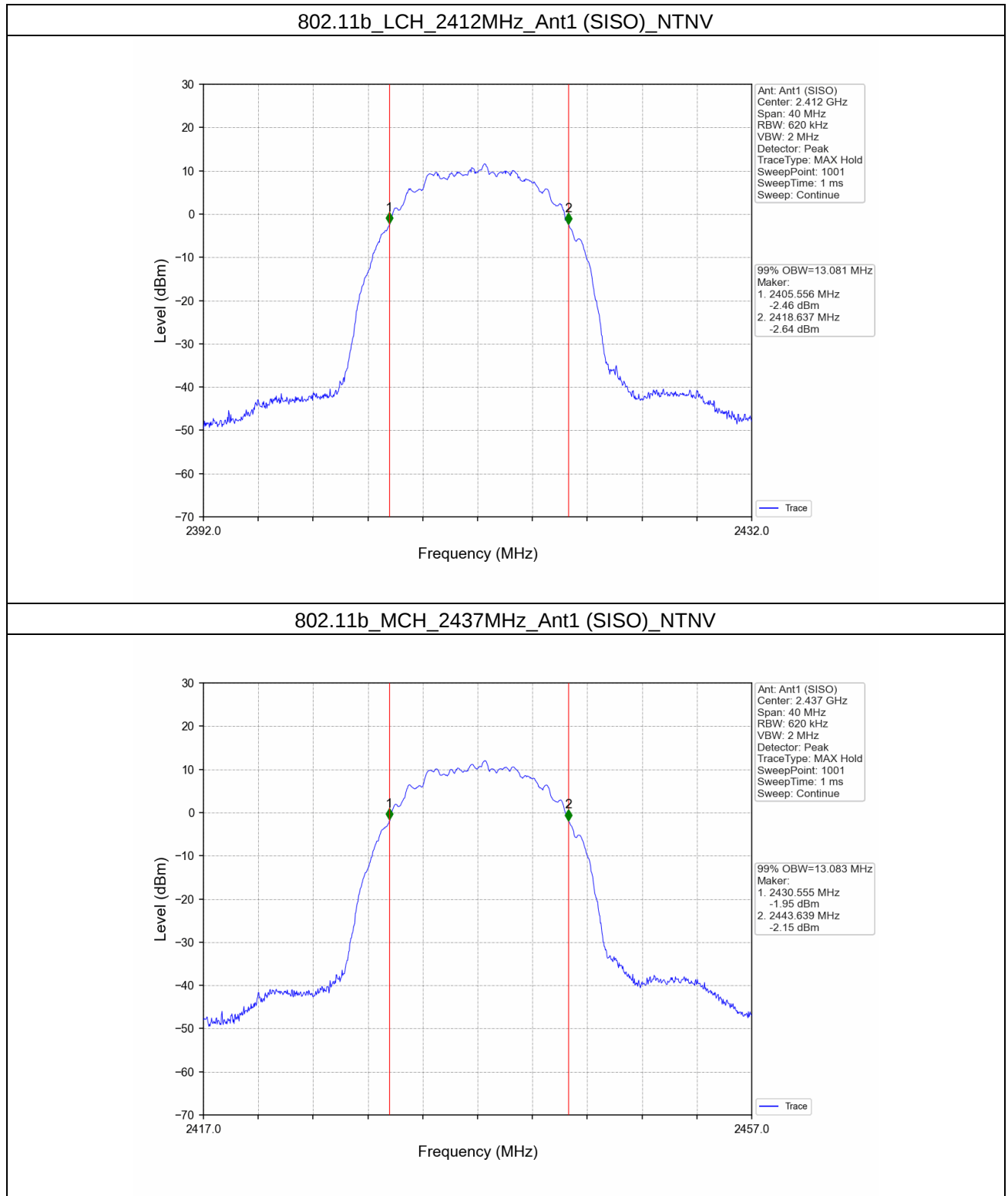
Mode	TX Type	Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Verdict
				Result	
802.11b	SISO	2412	1	13.081	Pass
		2437	1	13.083	Pass
		2462	1	13.101	Pass
802.11g	SISO	2412	1	17.128	Pass
		2437	1	17.132	Pass
		2462	1	17.129	Pass
802.11n (HT20)	SISO	2412	1	17.809	Pass
		2437	1	17.813	Pass
		2462	1	17.813	Pass
802.11n (HT40)	SISO	2422	1	37.129	Pass
		2437	1	37.082	Pass
		2452	1	37.088	Pass



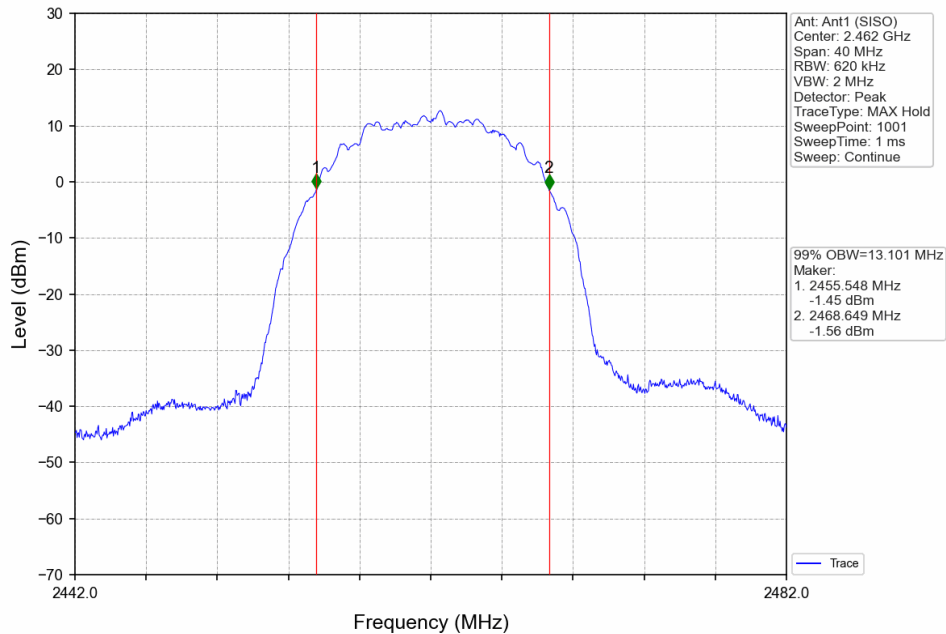
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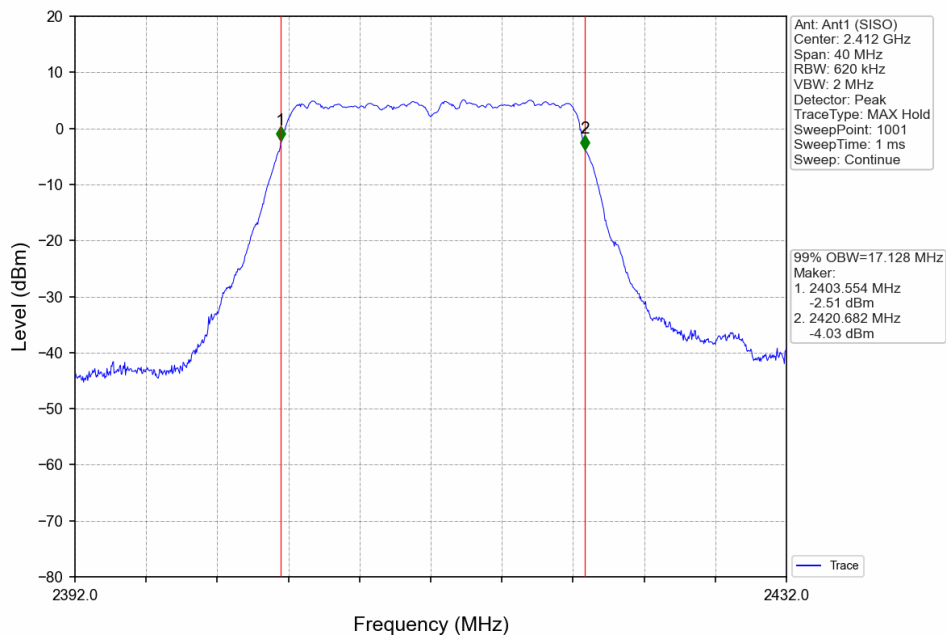
2.1.2 Test Graph



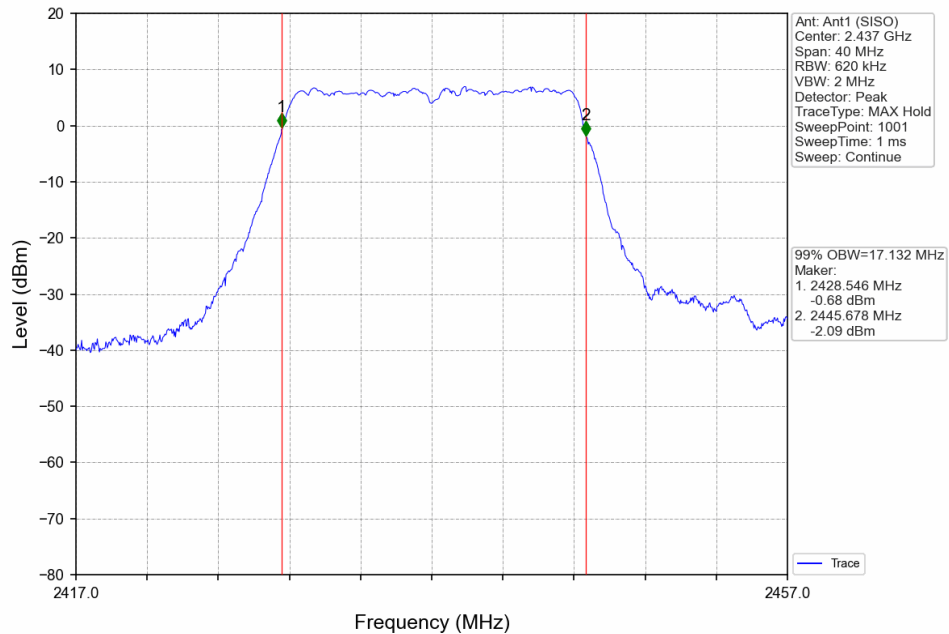
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



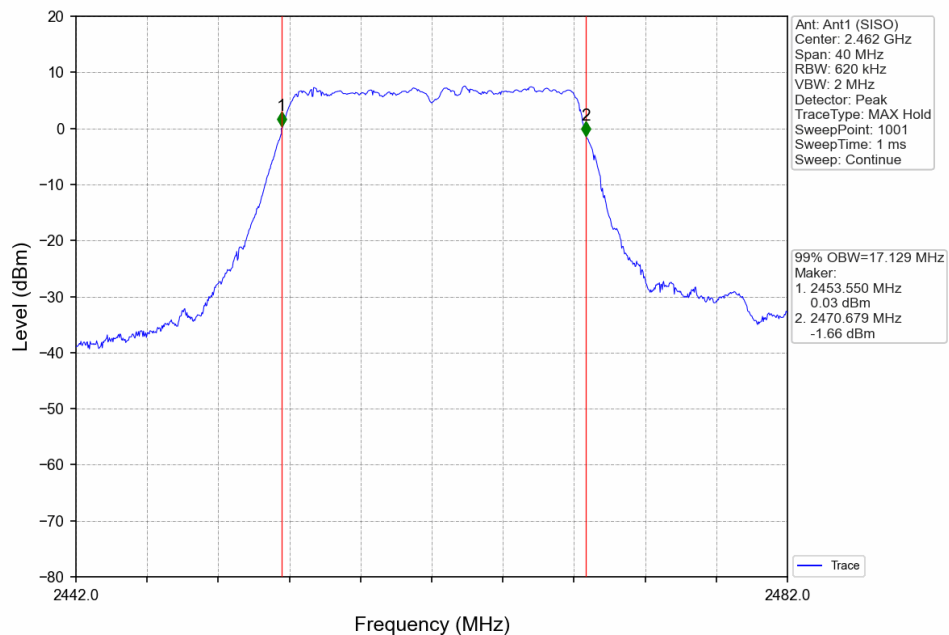
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



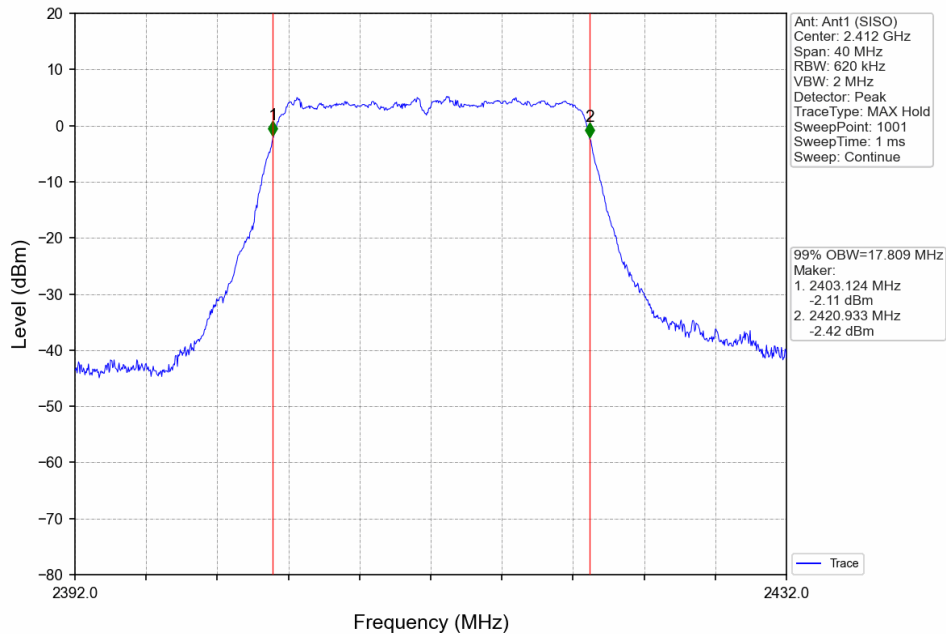
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



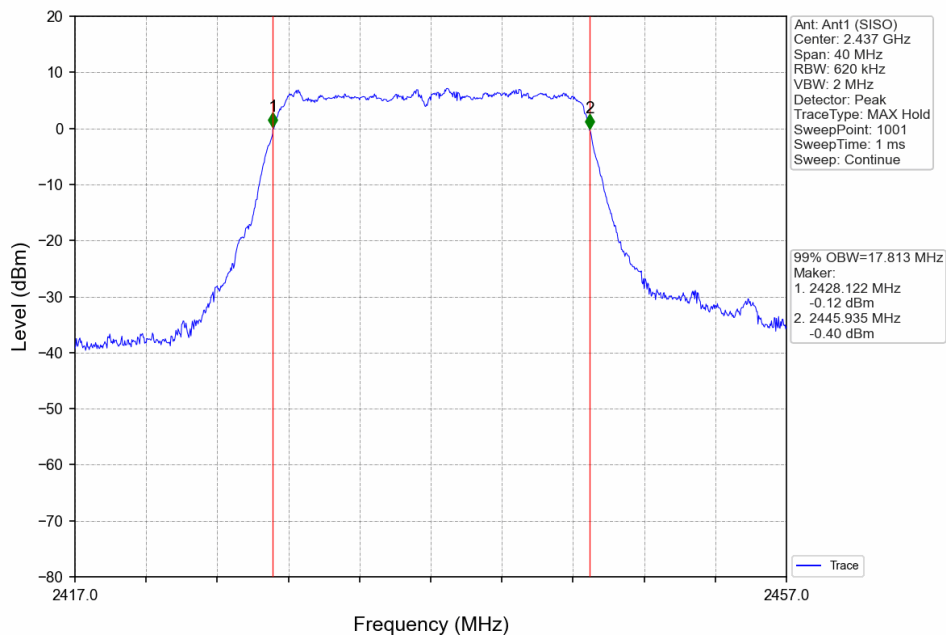
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



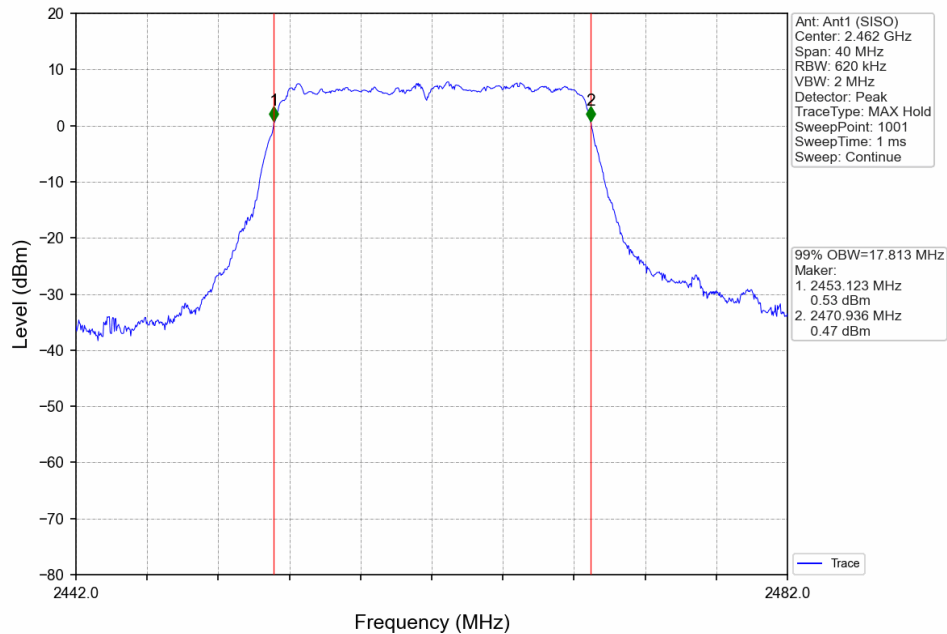
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



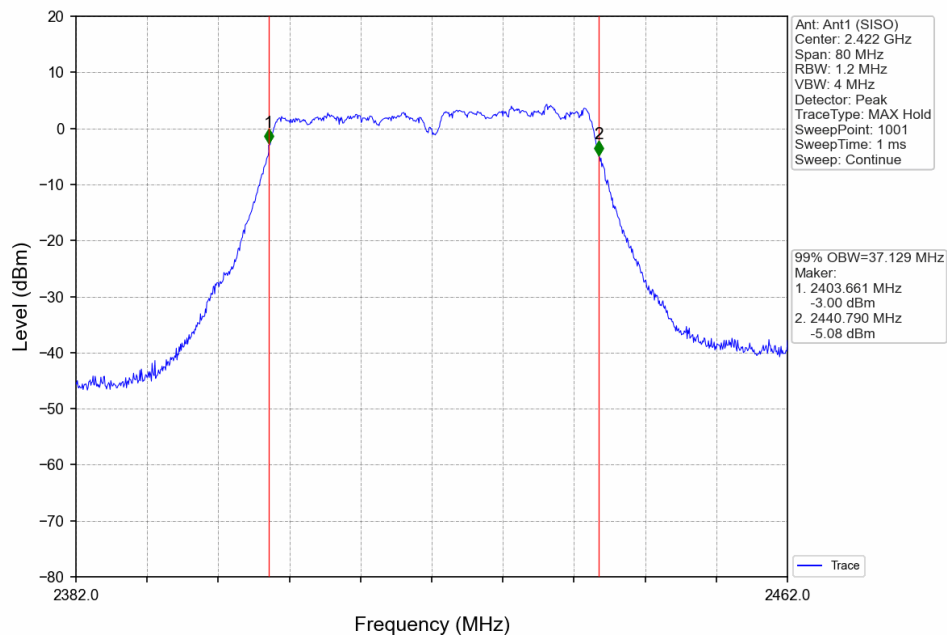
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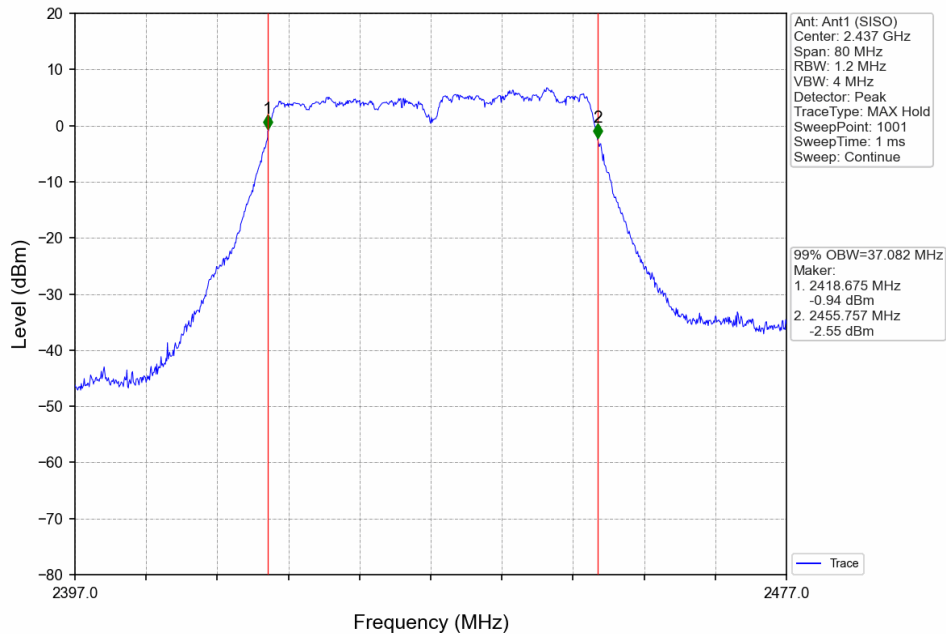
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



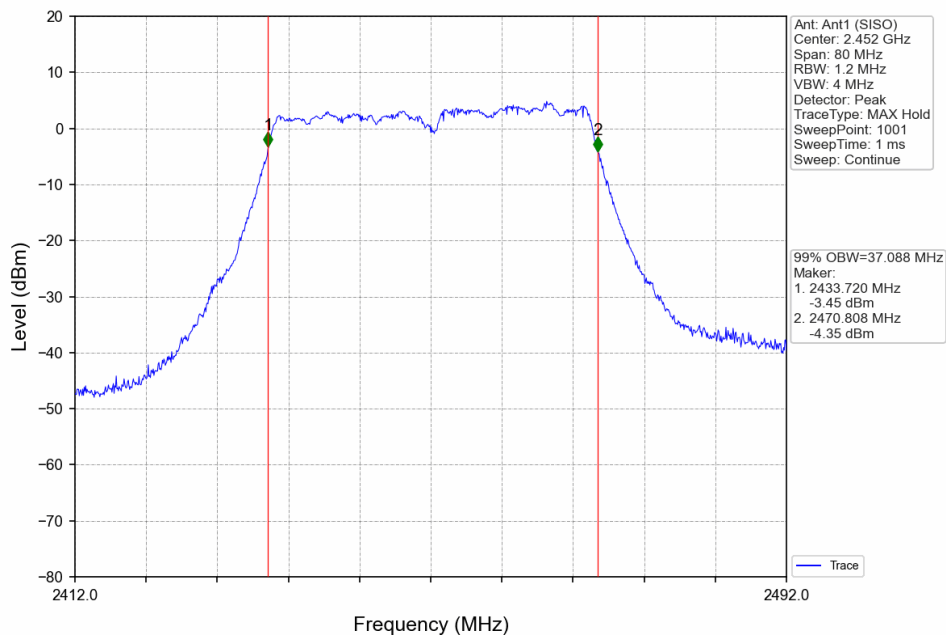
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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2.2 6dB BW

2.2.1 Test Result

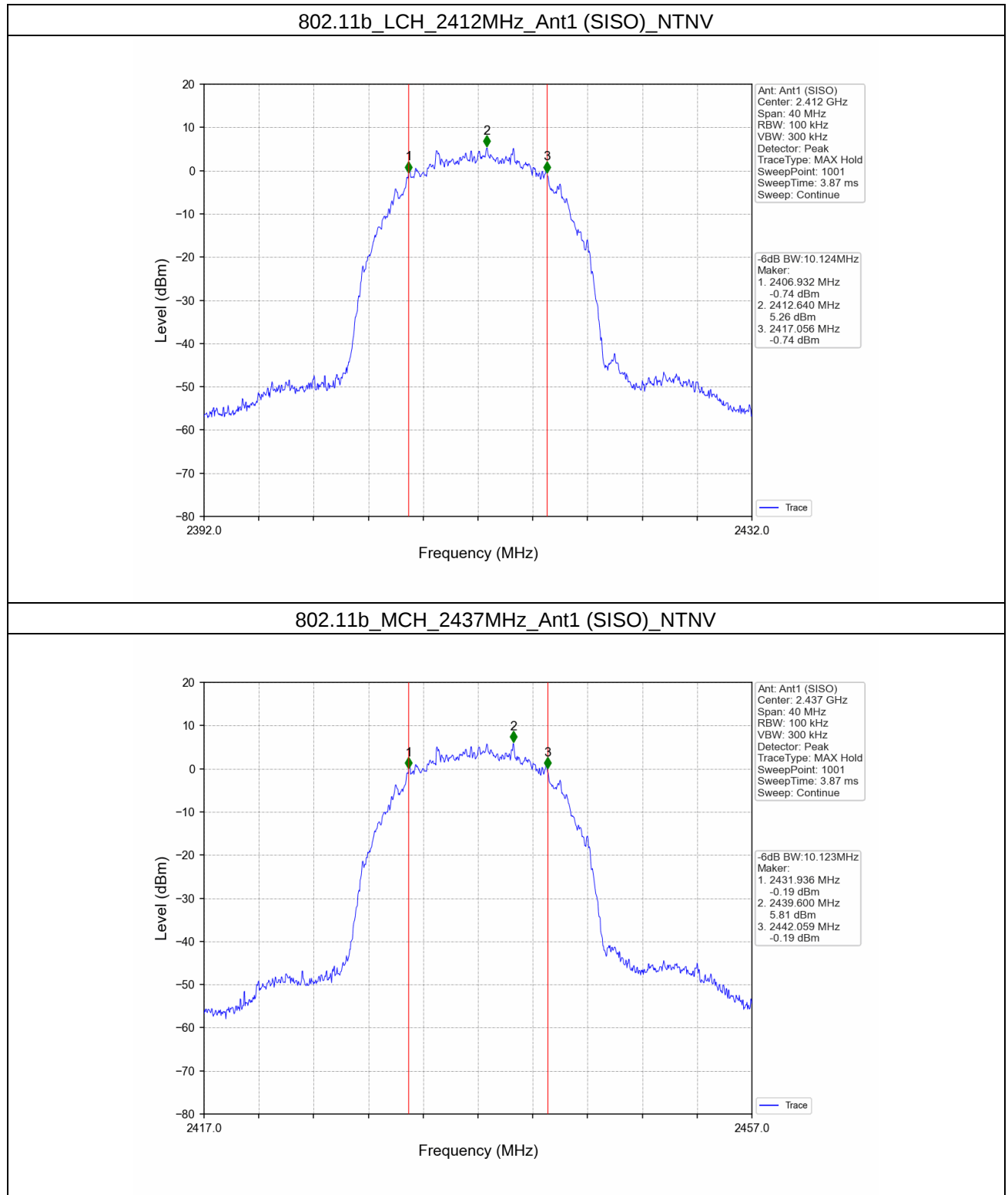
Mode	TX Type	Frequency (MHz)	Ant	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	10.124	≥ 0.5	Pass
		2437	1	10.123	≥ 0.5	Pass
		2462	1	10.123	≥ 0.5	Pass
802.11g	SISO	2412	1	16.490	≥ 0.5	Pass
		2437	1	16.490	≥ 0.5	Pass
		2462	1	16.492	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	17.656	≥ 0.5	Pass
		2437	1	17.671	≥ 0.5	Pass
		2462	1	17.653	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	1	36.518	≥ 0.5	Pass
		2437	1	36.475	≥ 0.5	Pass
		2452	1	36.501	≥ 0.5	Pass



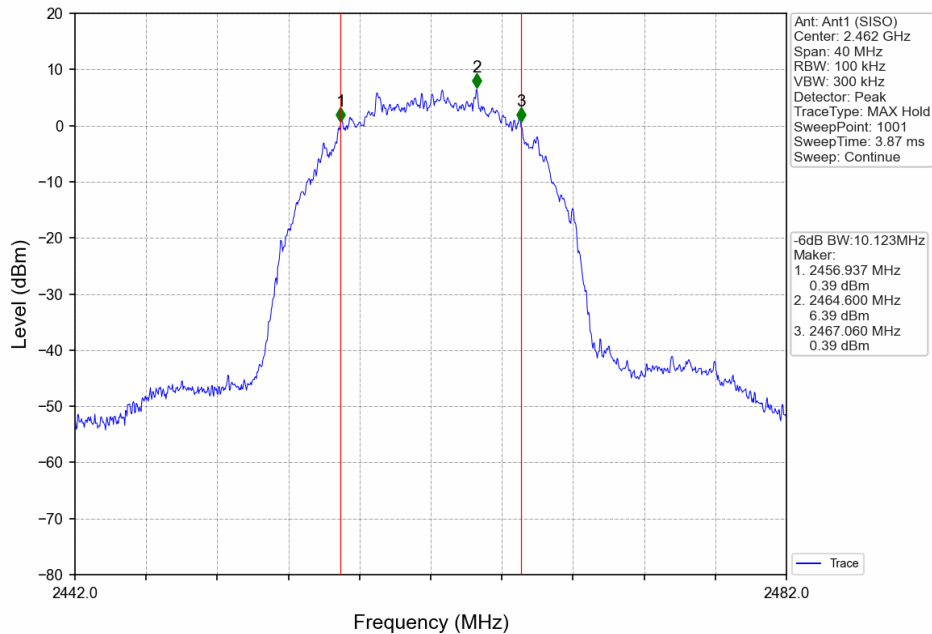
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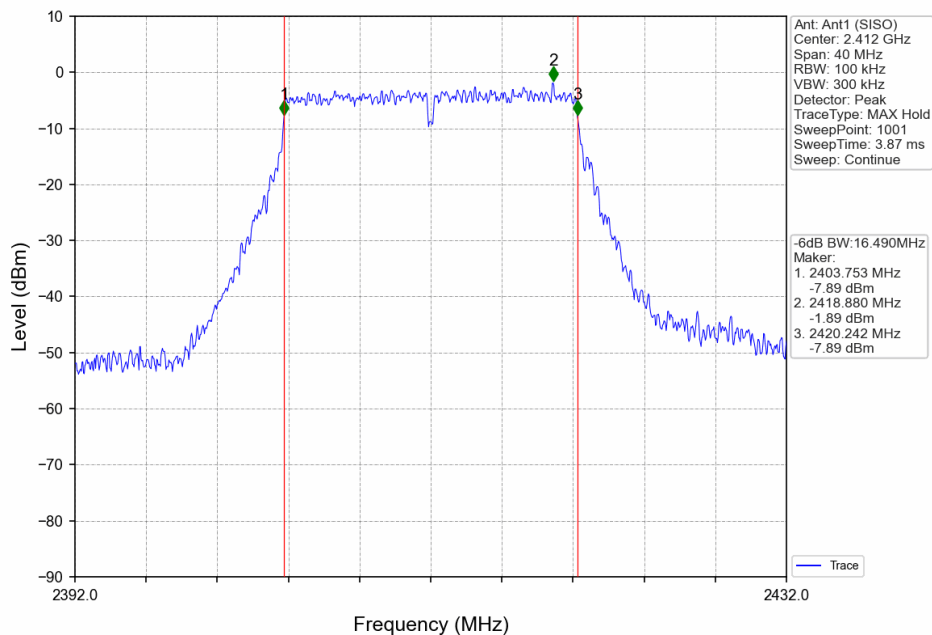
2.2.2 Test Graph



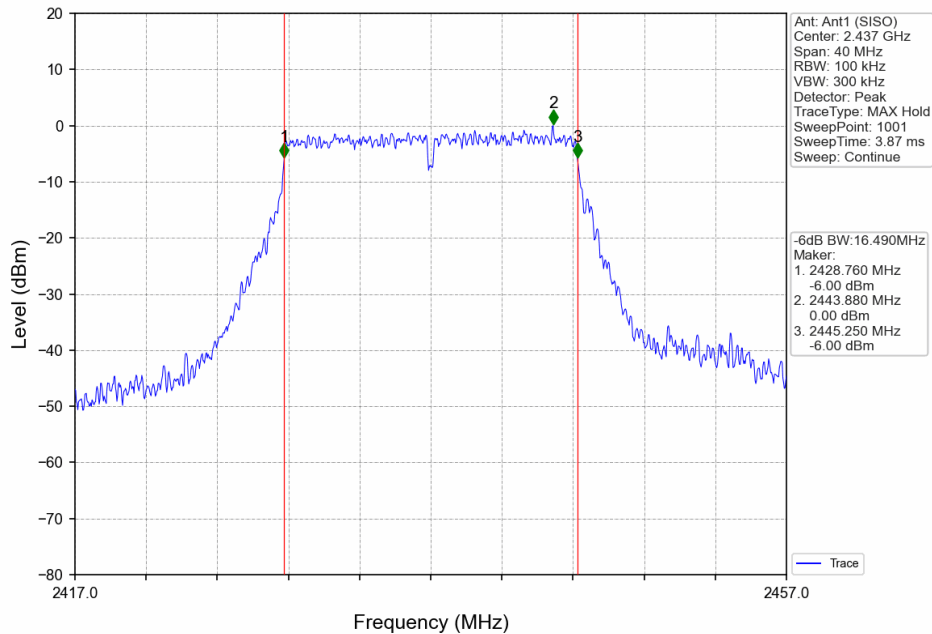
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



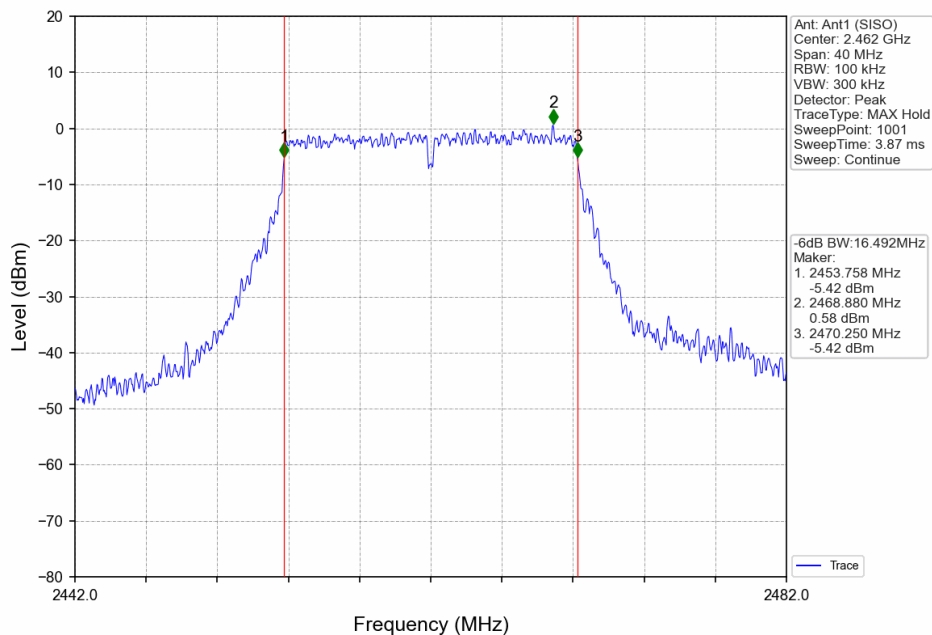
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV

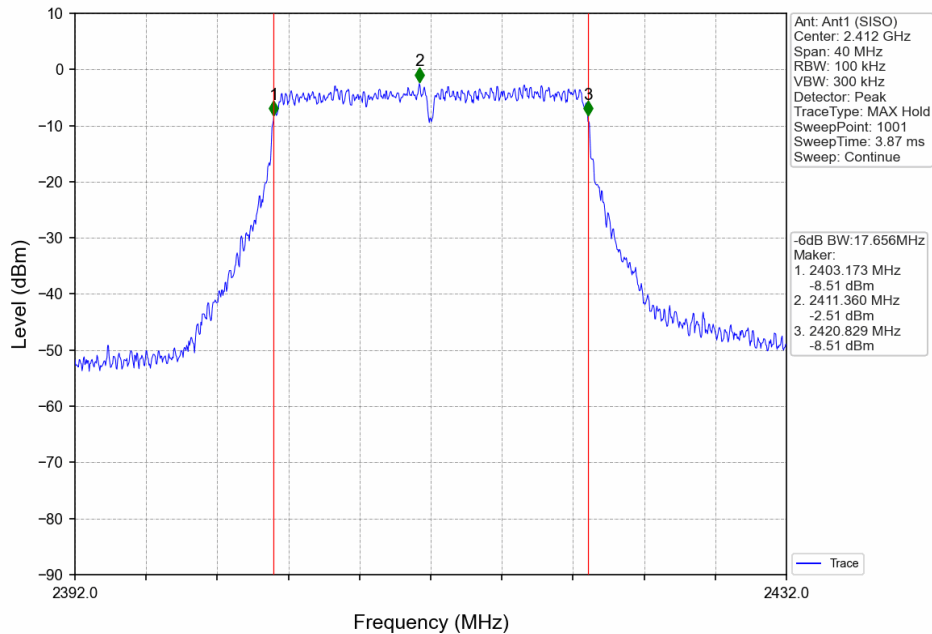


802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

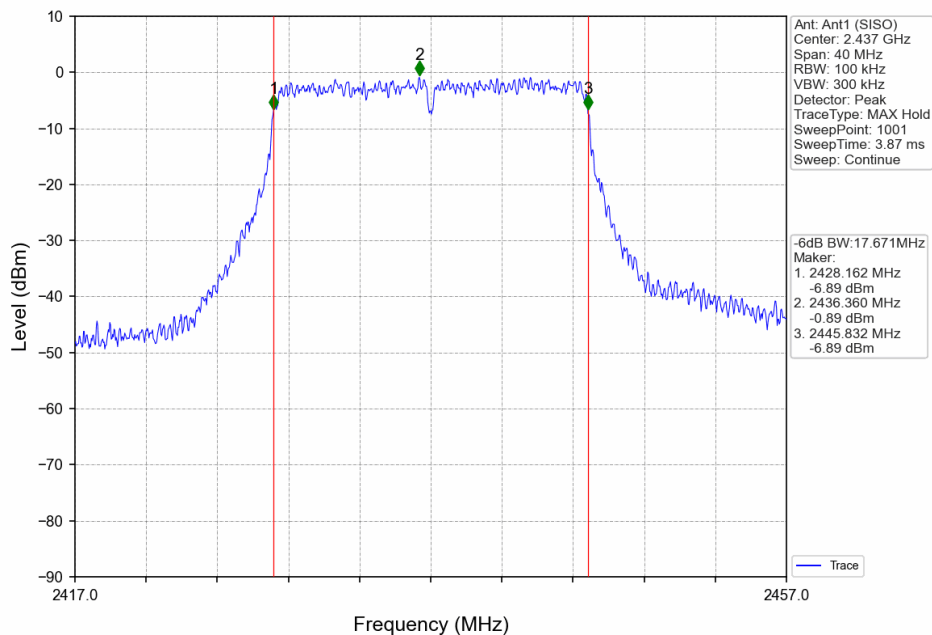


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802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV

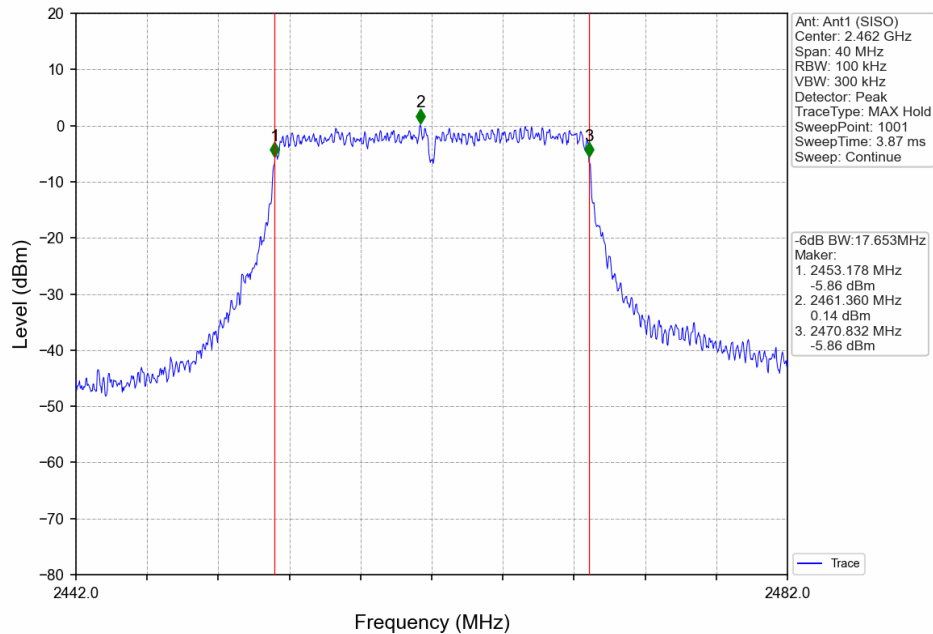


802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV

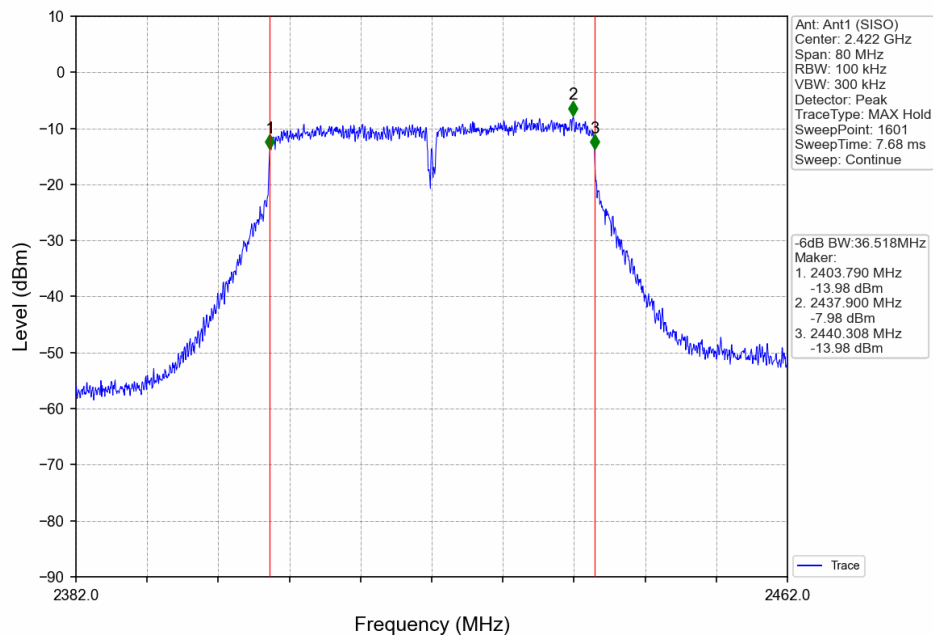


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802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV

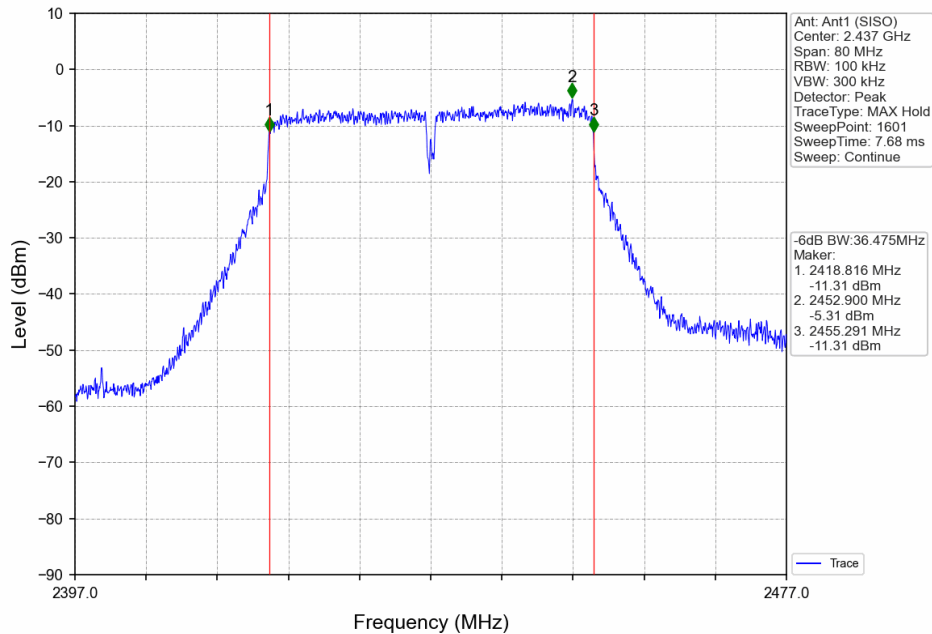


802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV

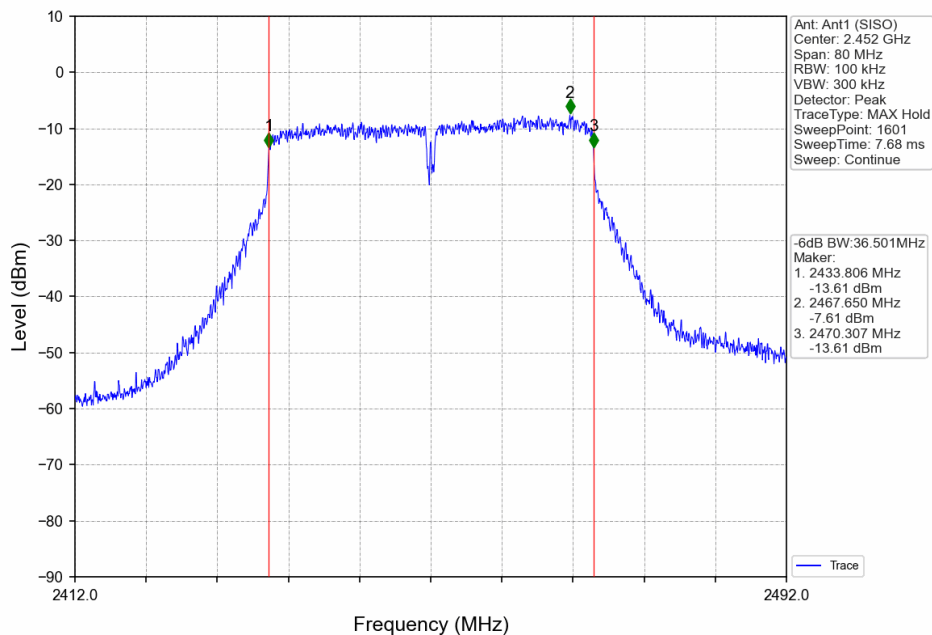


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802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_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	Limit	
802.11b	SISO	2412	20.47	≤ 30	Pass
		2437	20.94	≤ 30	Pass
		2462	21.54	≤ 30	Pass
802.11g	SISO	2412	18.58	≤ 30	Pass
		2437	20.46	≤ 30	Pass
		2462	17.76	≤ 30	Pass
802.11n (HT20)	SISO	2412	18.59	≤ 30	Pass
		2437	20.52	≤ 30	Pass
		2462	16.38	≤ 30	Pass
802.11n (HT40)	SISO	2422	14.59	≤ 30	Pass
		2437	18.62	≤ 30	Pass
		2452	16.69	≤ 30	Pass

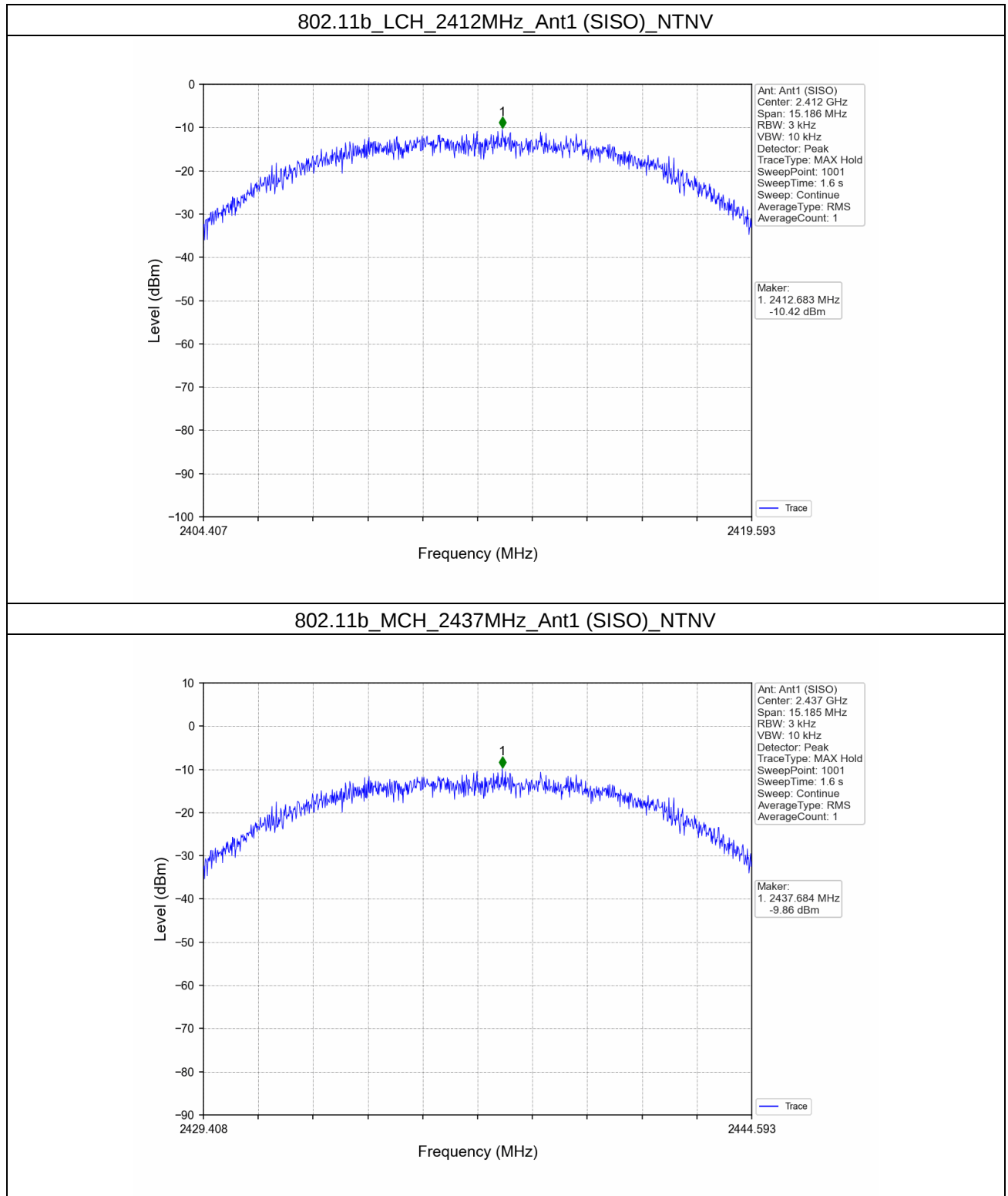
4. Maximum Power Spectral Density

4.1 PSD

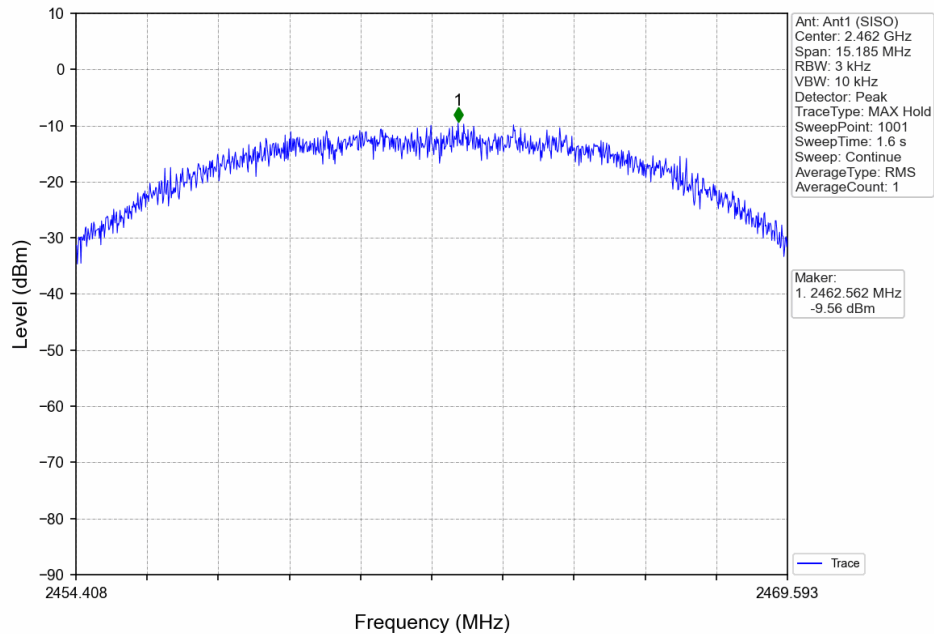
4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)		Verdict
			Ant1	Limit	
802.11b	SISO	2412	-10.42	≤ 8	Pass
		2437	-9.86	≤ 8	Pass
		2462	-9.56	≤ 8	Pass
802.11g	SISO	2412	-17.26	≤ 8	Pass
		2437	-15.46	≤ 8	Pass
		2462	-17.75	≤ 8	Pass
802.11n (HT20)	SISO	2412	-17.03	≤ 8	Pass
		2437	-14.95	≤ 8	Pass
		2462	-19.26	≤ 8	Pass
802.11n (HT40)	SISO	2422	-23.12	≤ 8	Pass
		2437	-16.72	≤ 8	Pass
		2452	-16.93	≤ 8	Pass

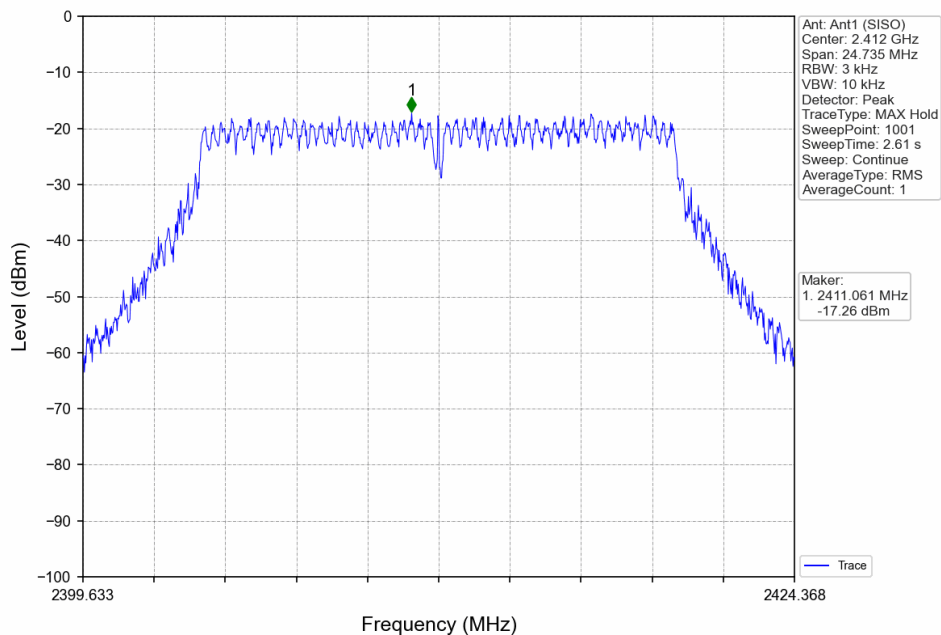
4.1.2 Test Graph



802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV

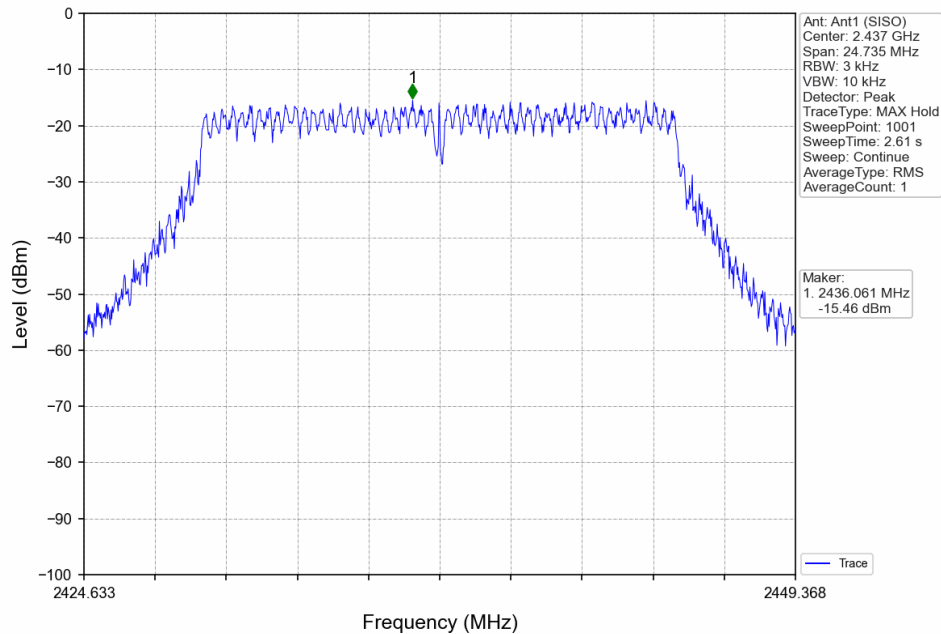


802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV

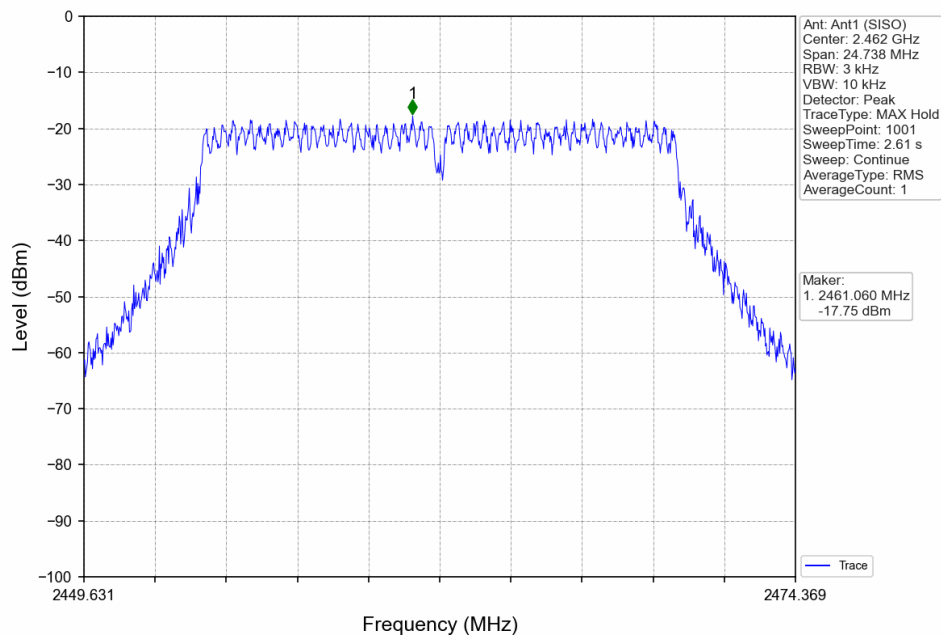


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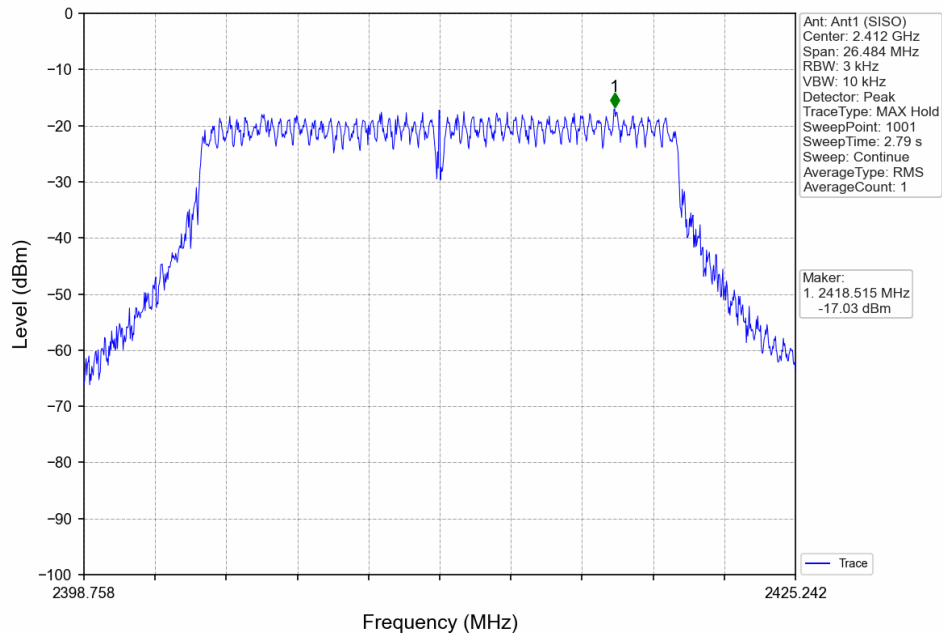
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



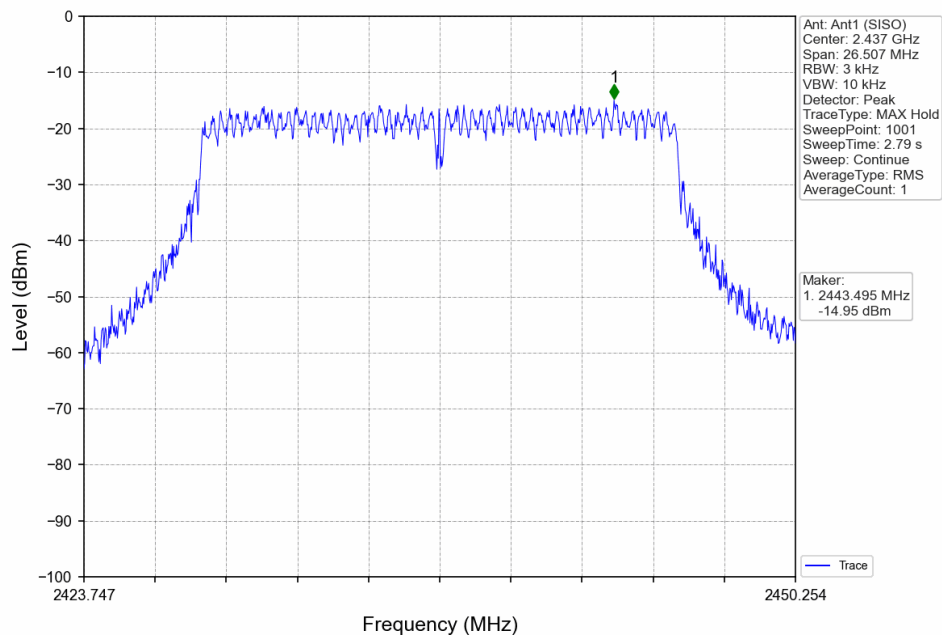
802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



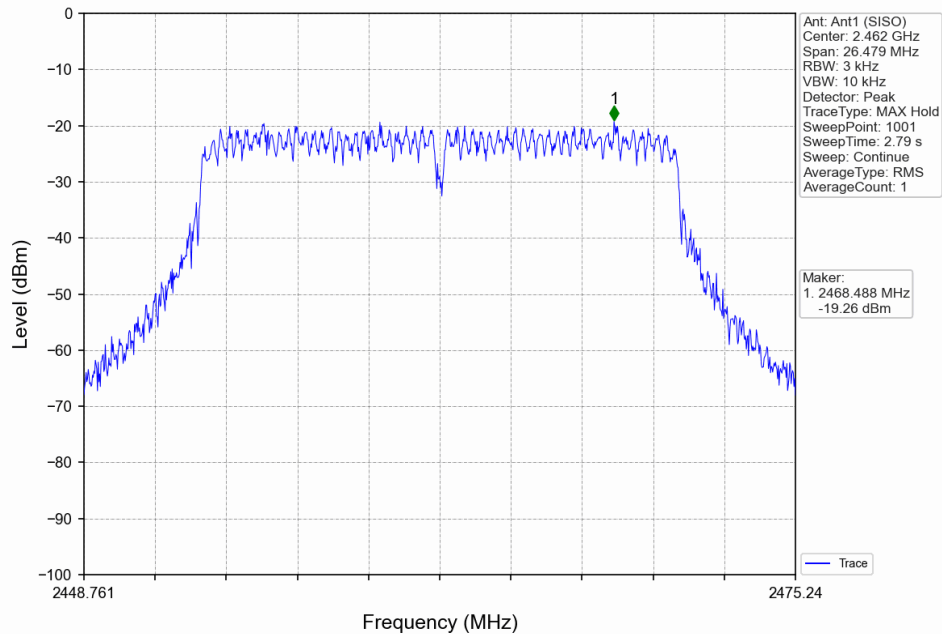
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



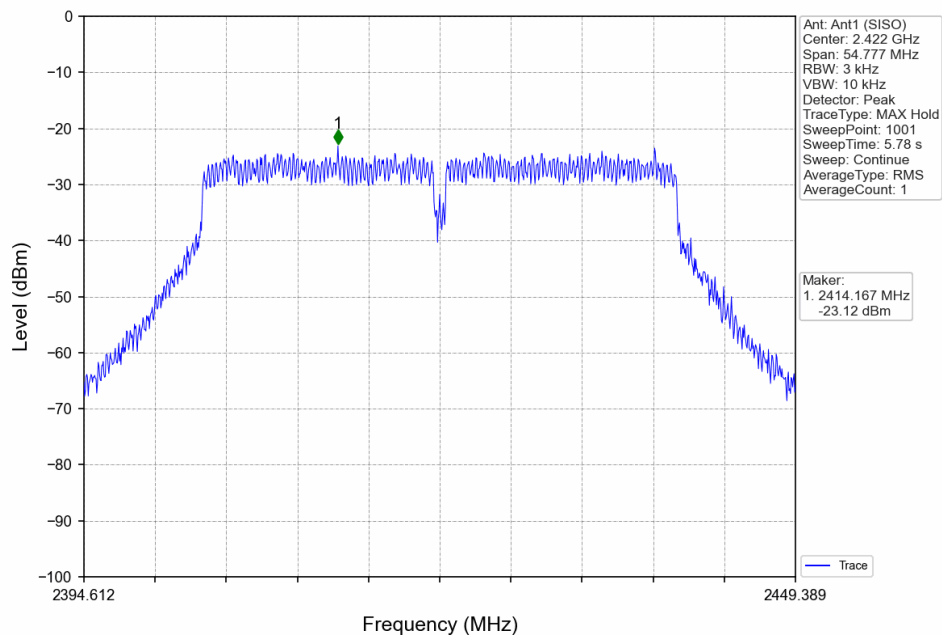
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



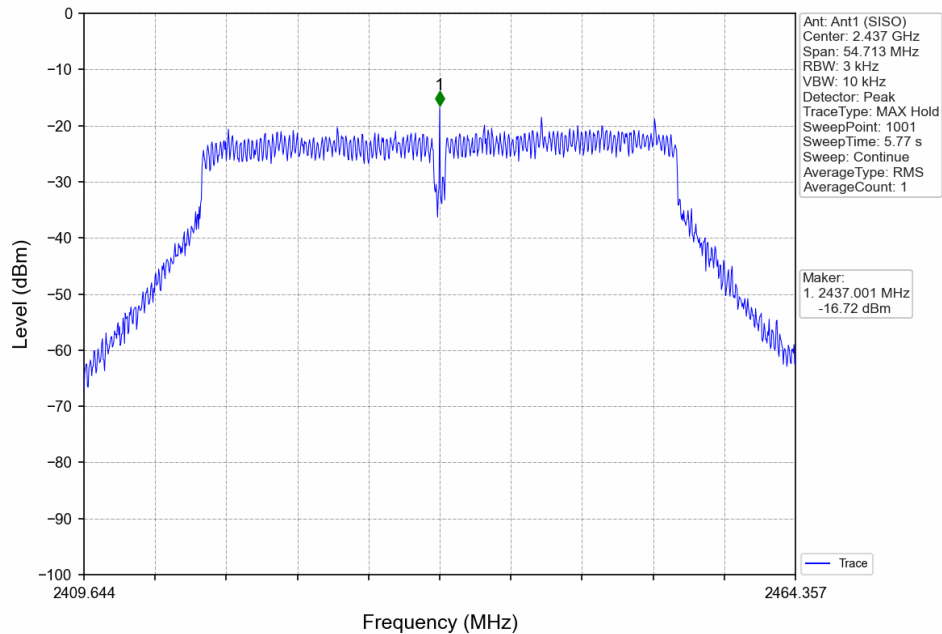
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



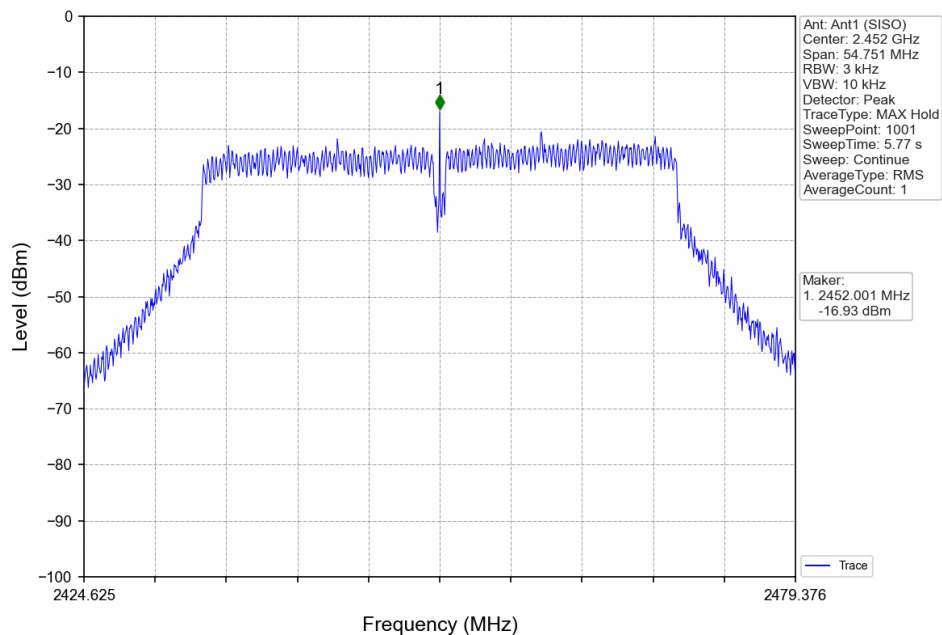
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



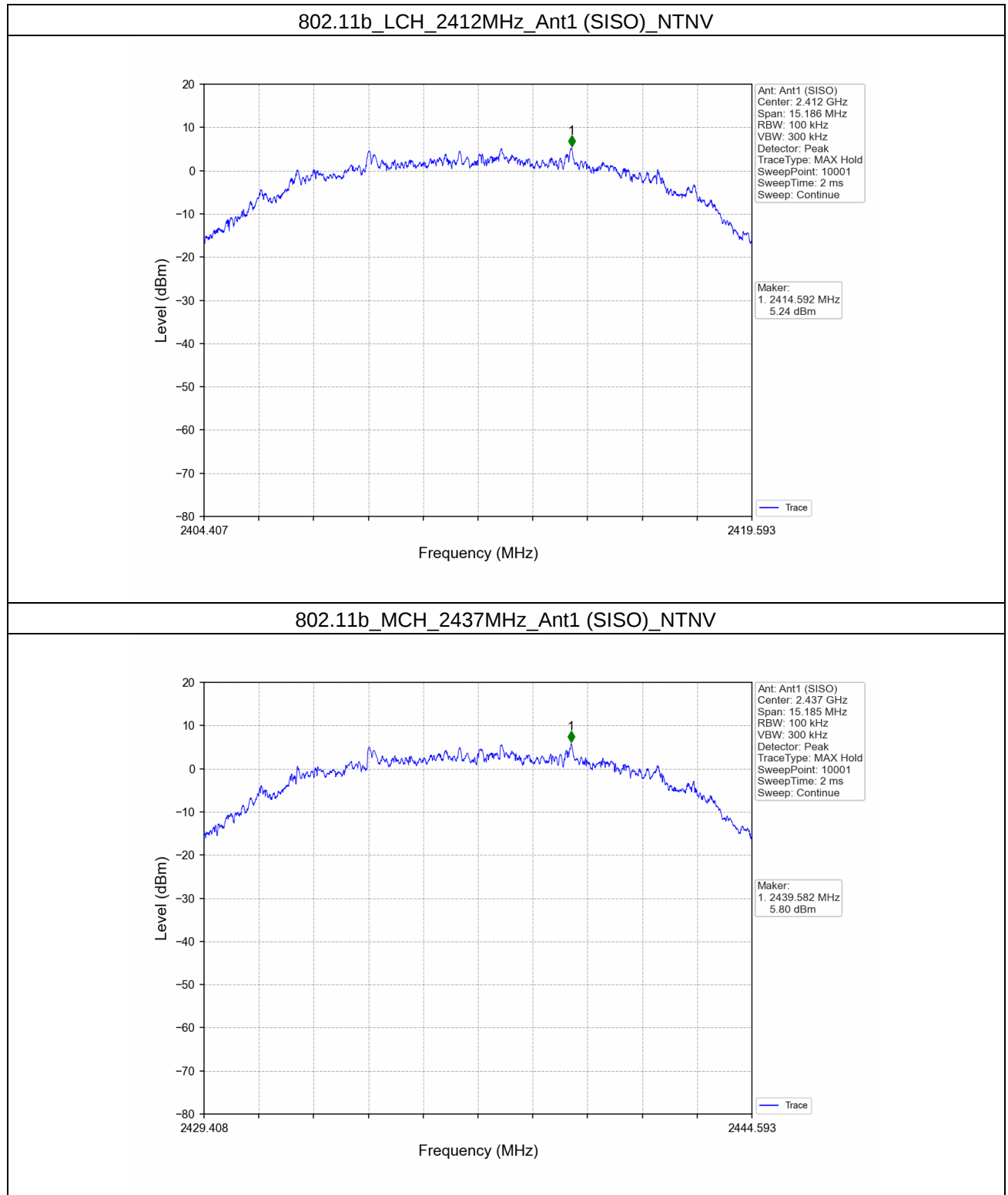
5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Ref

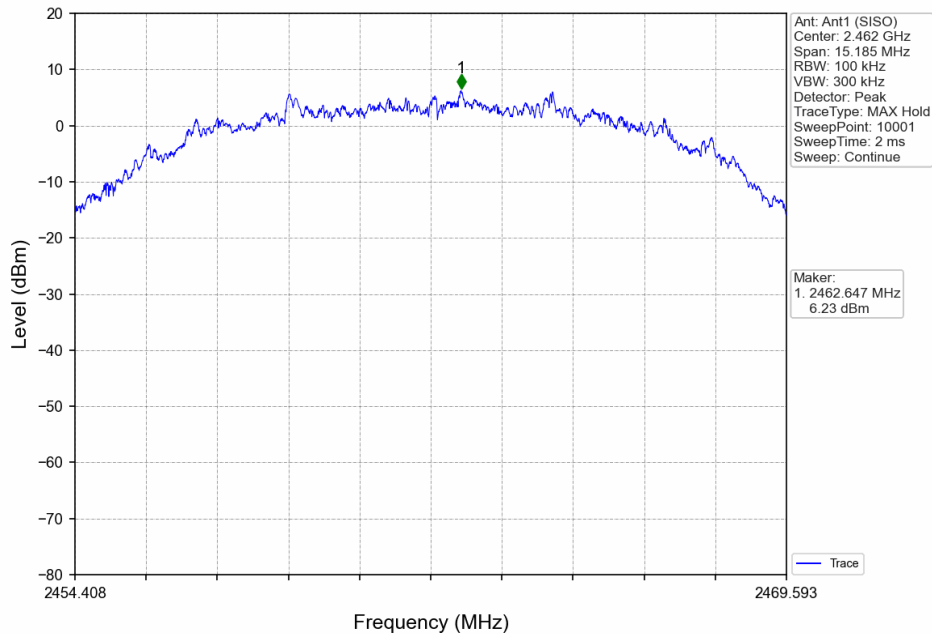
5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)
802.11b	SISO	2412	1	5.24
		2437	1	5.80
		2462	1	6.23
802.11g	SISO	2412	1	-1.94
		2437	1	-0.15
		2462	1	0.52
802.11n (HT20)	SISO	2412	1	-2.51
		2437	1	-0.66
		2462	1	-0.21
802.11n (HT40)	SISO	2422	1	-7.80
		2437	1	-5.79
		2452	1	-7.27

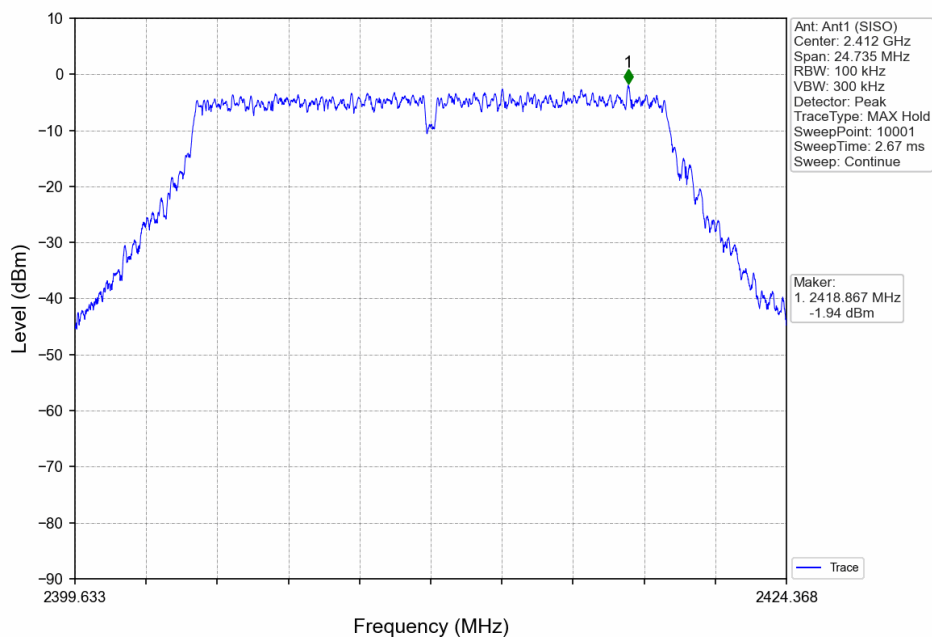
5.1.2 Test Graph



802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV

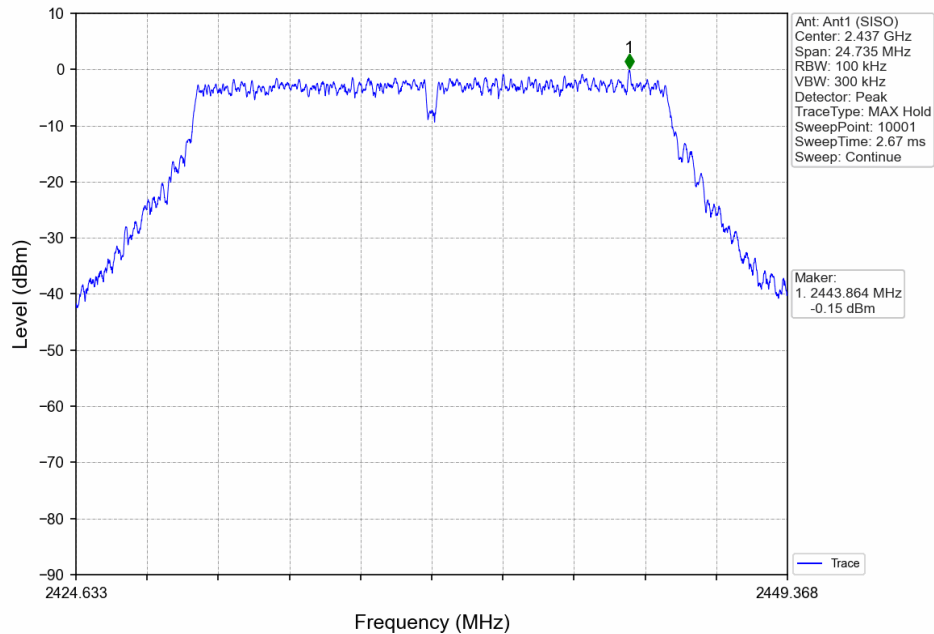


802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV

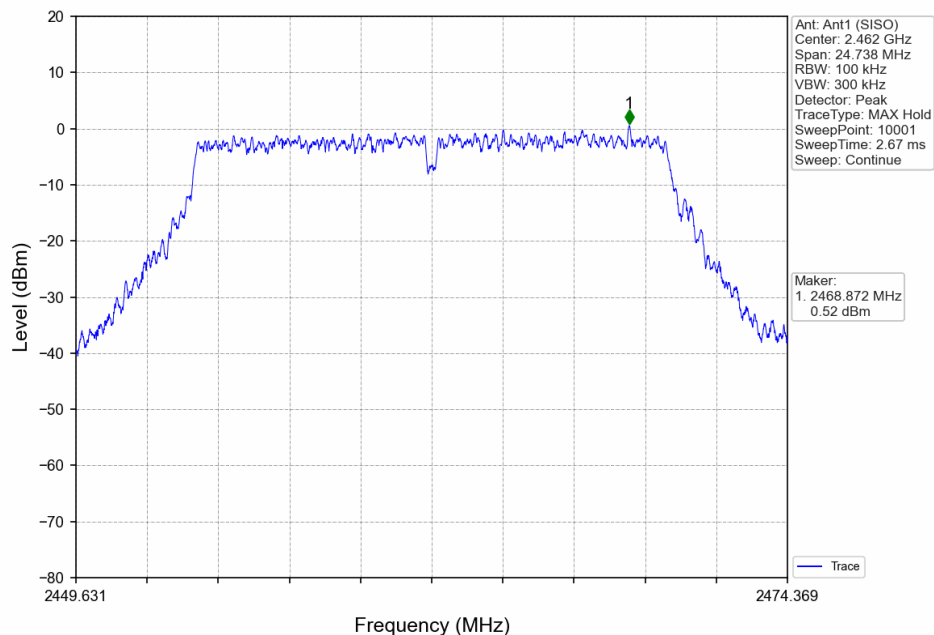


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802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV

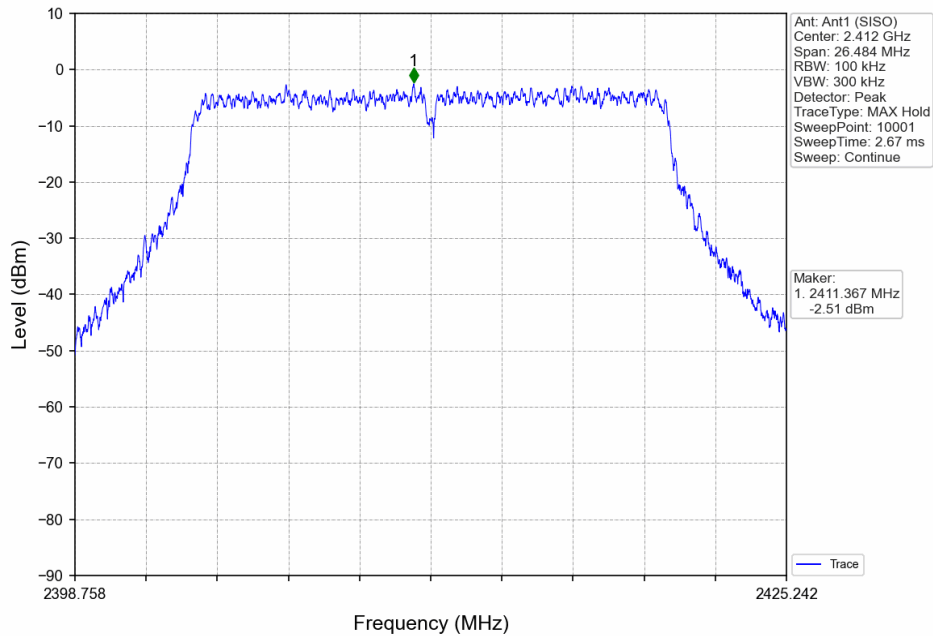


802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

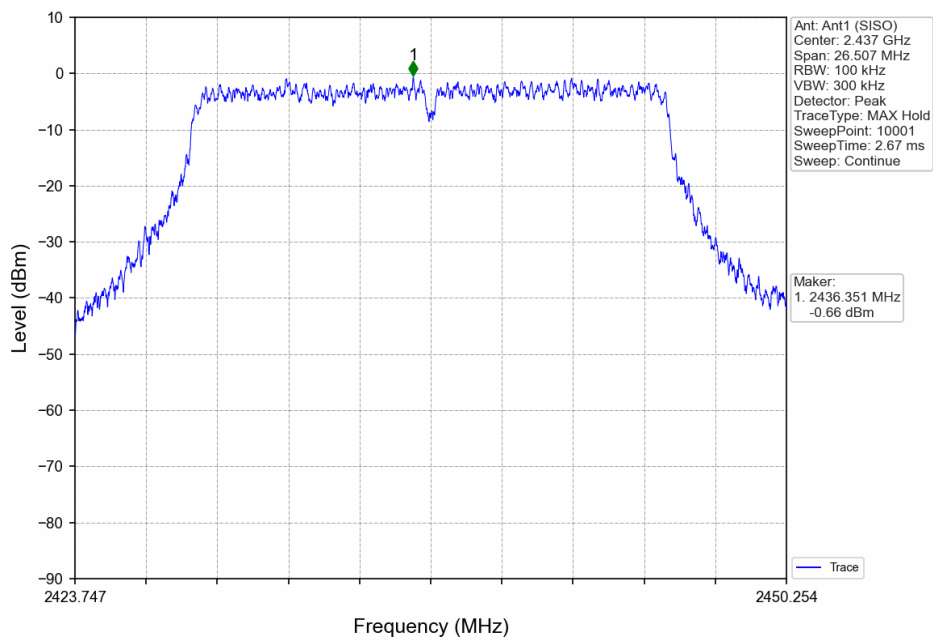


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802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



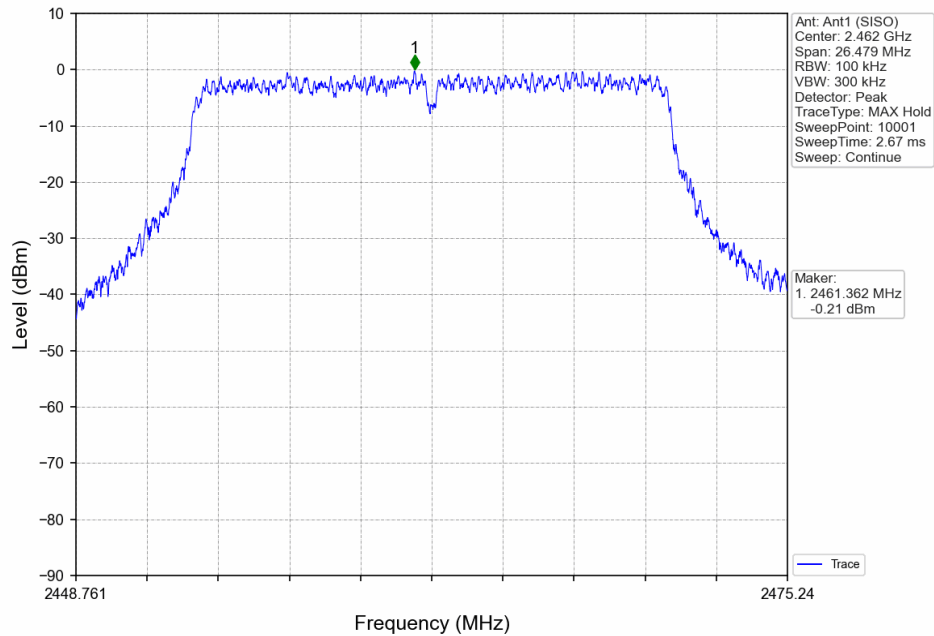
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



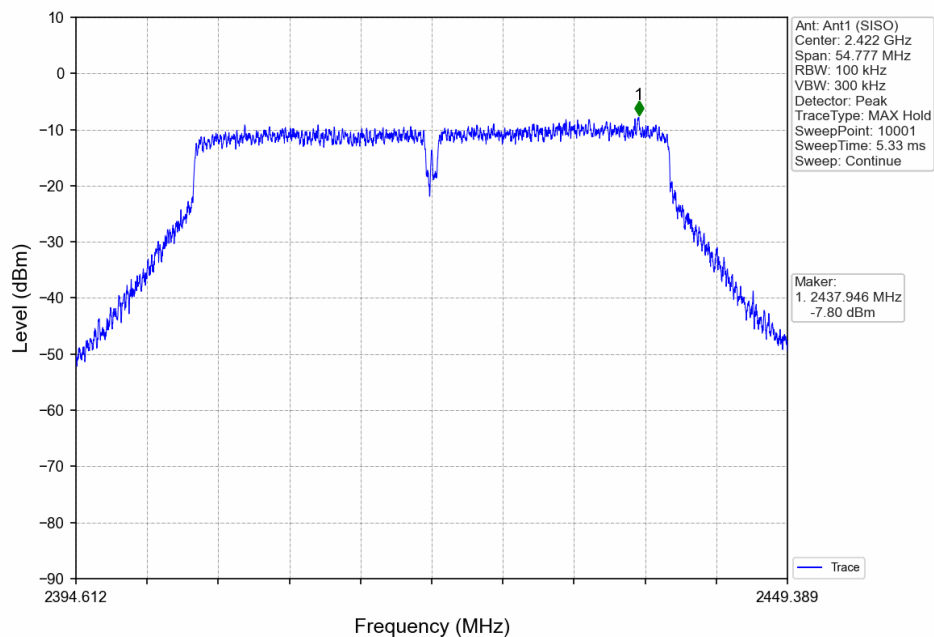
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802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV

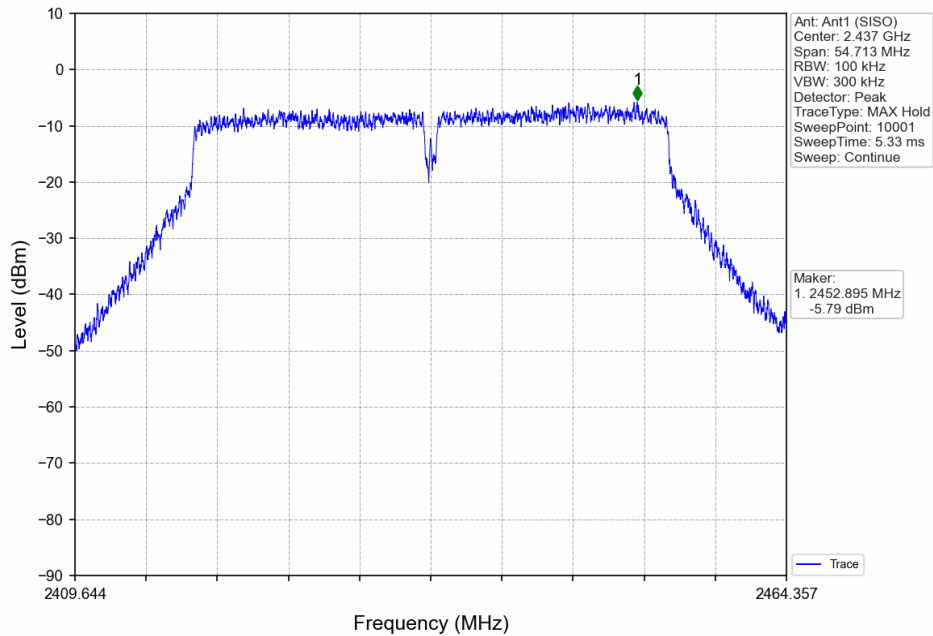


802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV

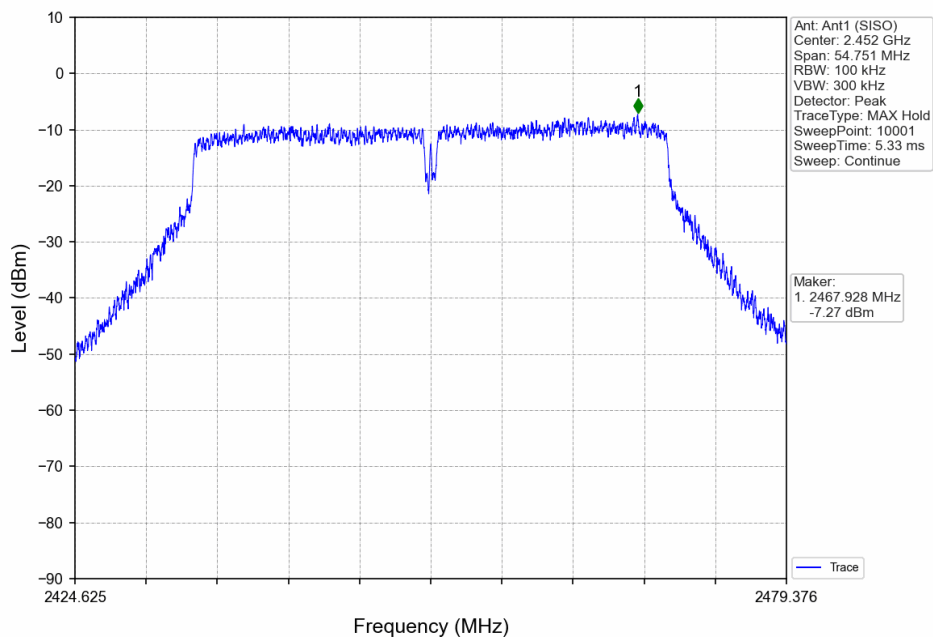


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802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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5.2 CSE

5.2.1 Test Result

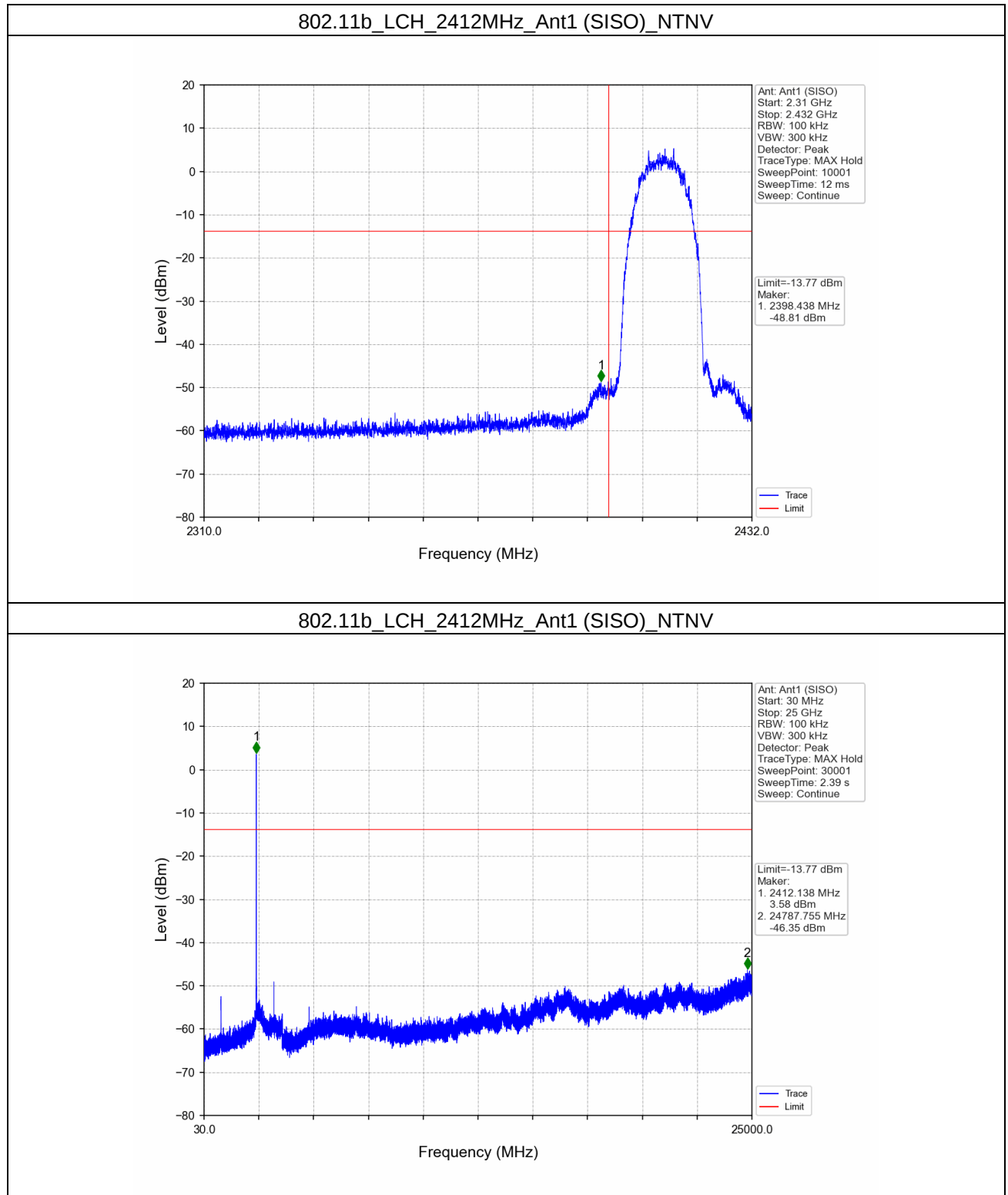
Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	6.23	-13.77	Pass
		2437	1	6.23	-13.77	Pass
		2462	1	6.23	-13.77	Pass
802.11g	SISO	2412	1	0.52	-19.48	Pass
		2437	1	0.52	-19.48	Pass
		2462	1	0.52	-19.48	Pass
802.11n (HT20)	SISO	2412	1	-0.21	-20.21	Pass
		2437	1	-0.21	-20.21	Pass
		2462	1	-0.21	-20.21	Pass
802.11n (HT40)	SISO	2422	1	-5.79	-25.79	Pass
		2437	1	-5.79	-25.79	Pass
		2452	1	-5.79	-25.79	Pass



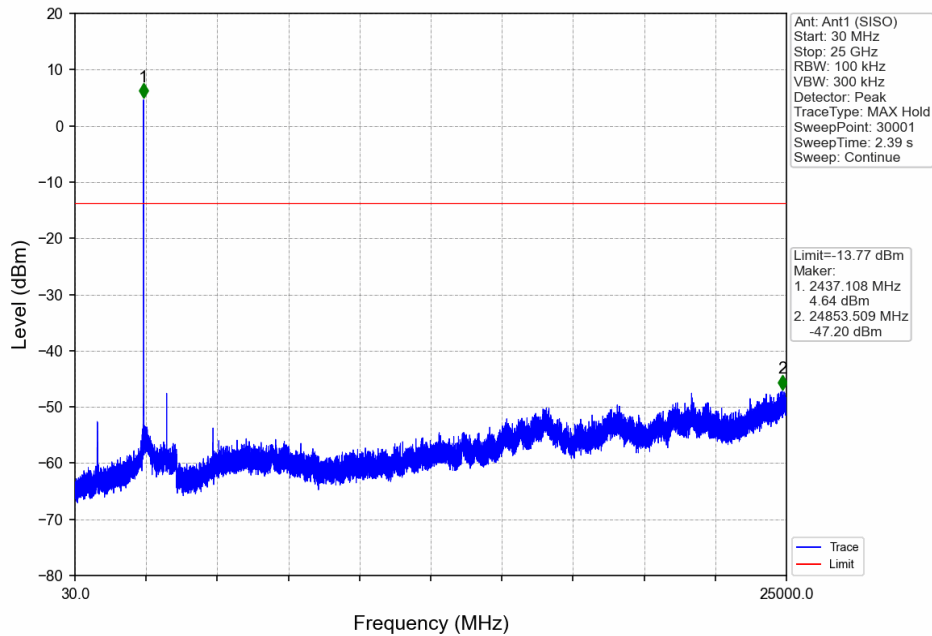
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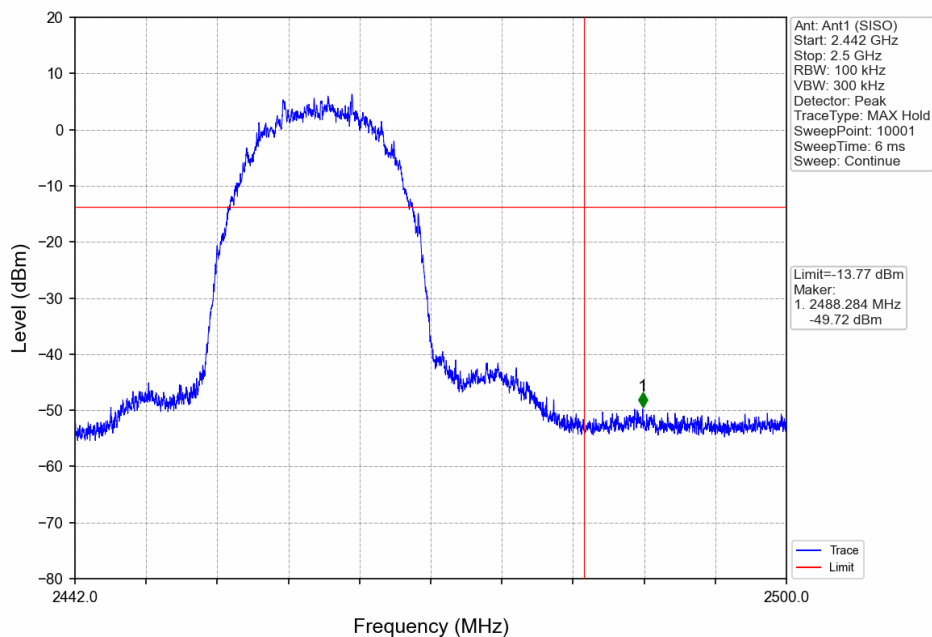
5.2.2 Test Graph



802.11b_MCH_2437MHz_Ant1 (SISO)_NTNV

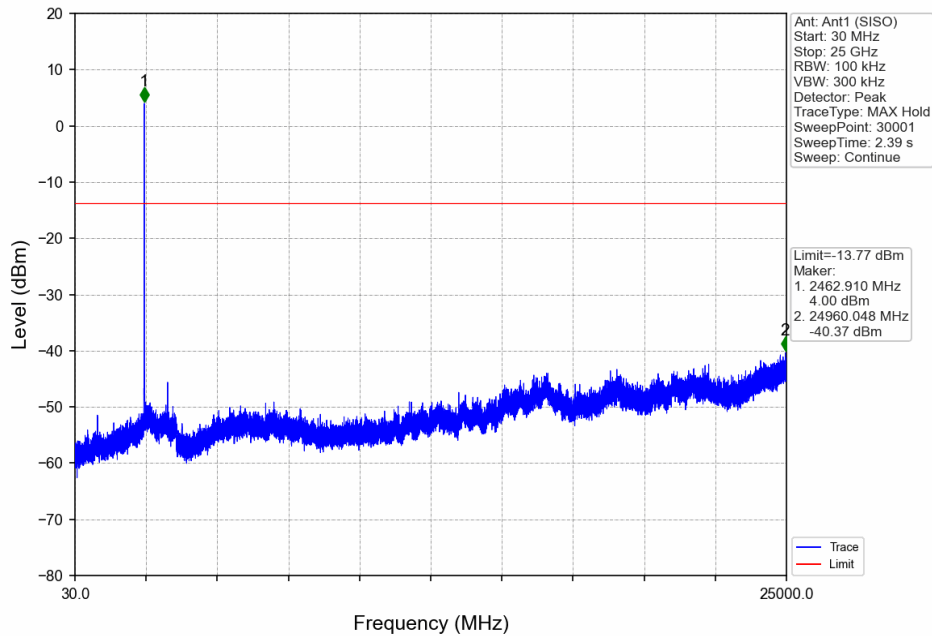


802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV

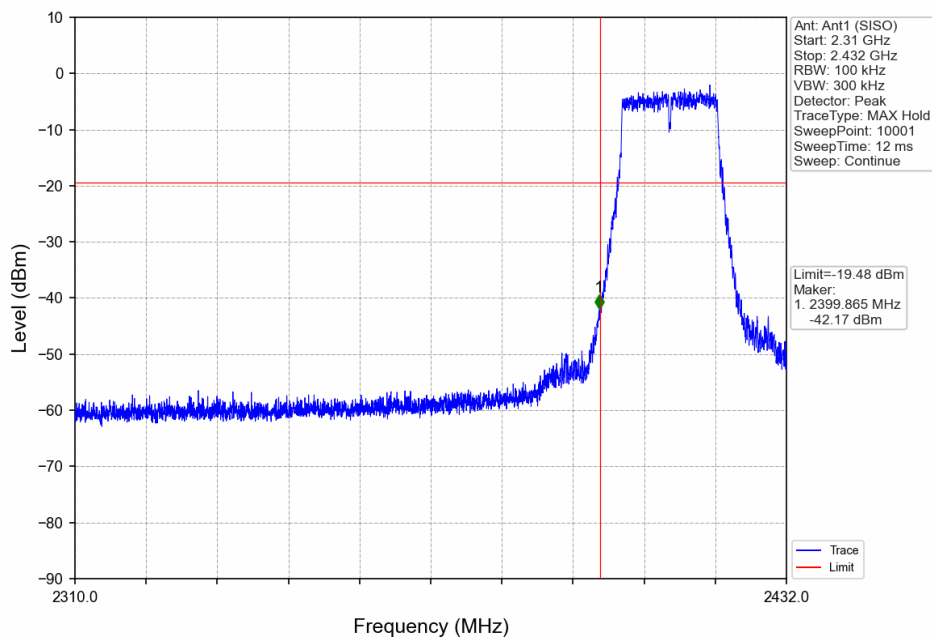


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802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV

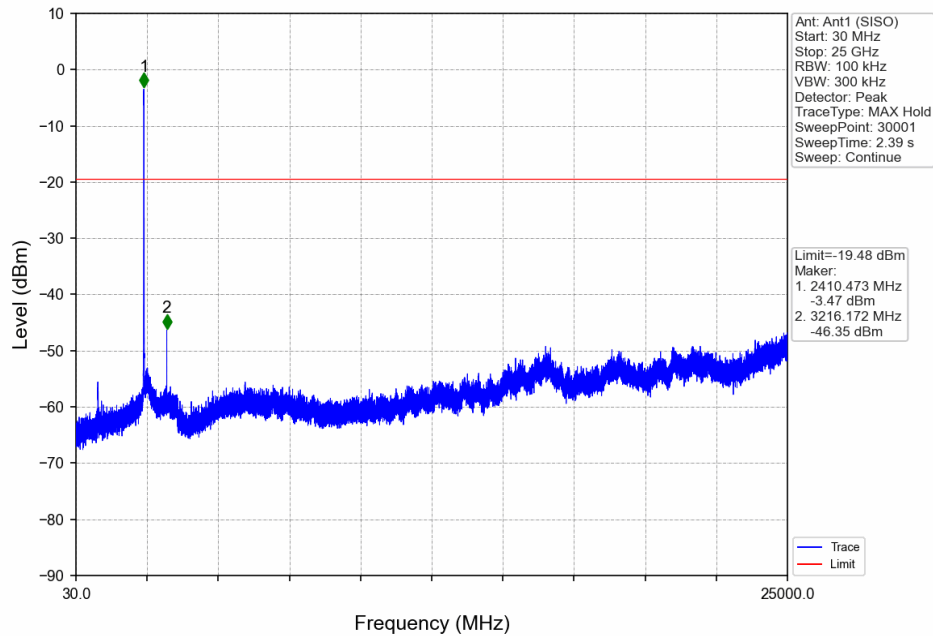


802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV

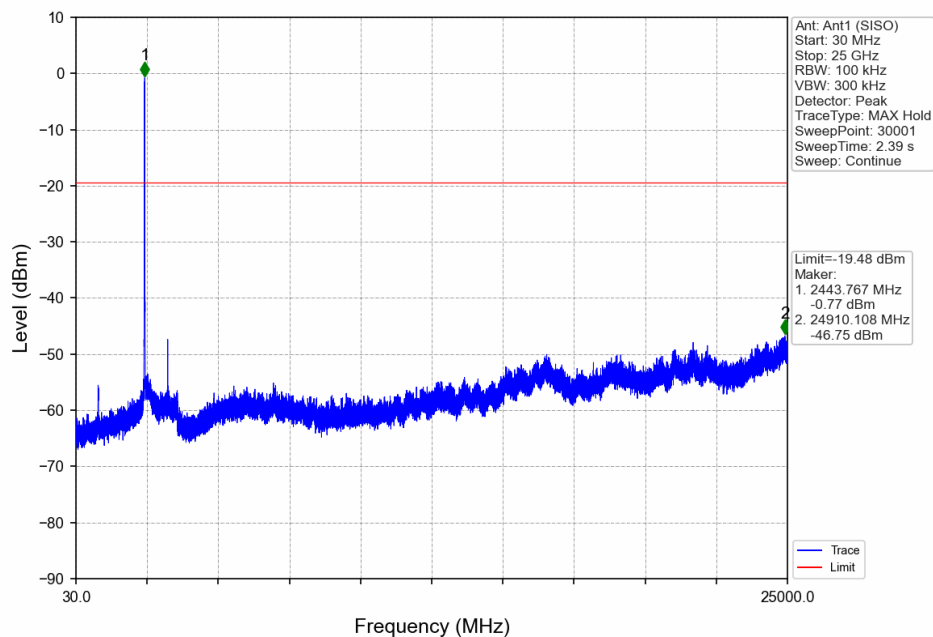


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802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



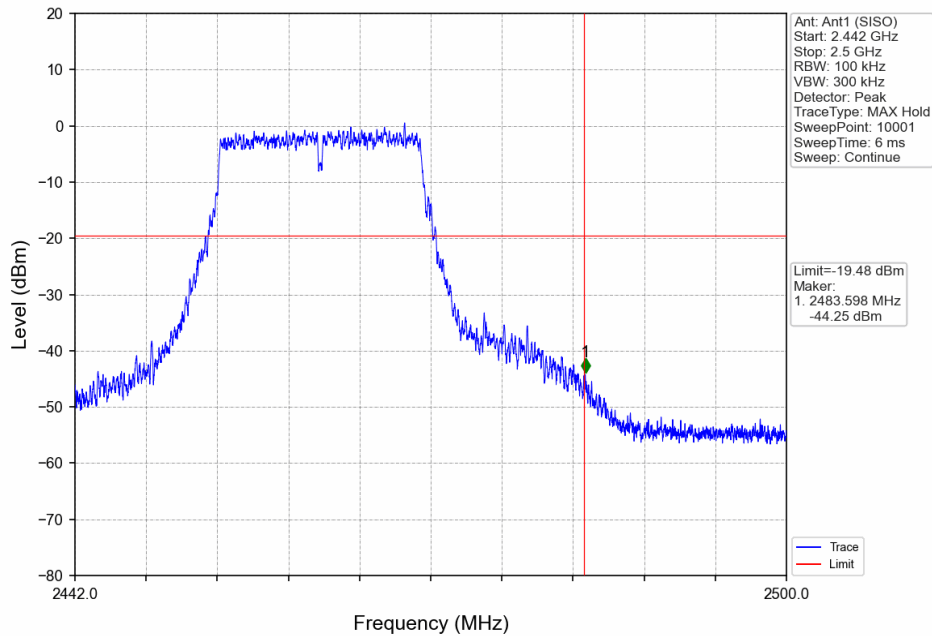
802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



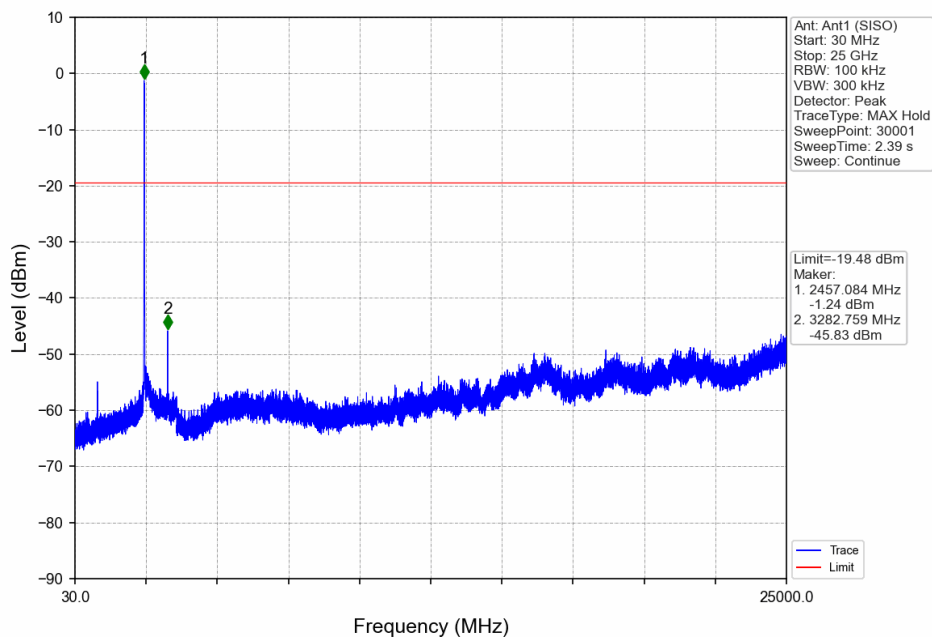
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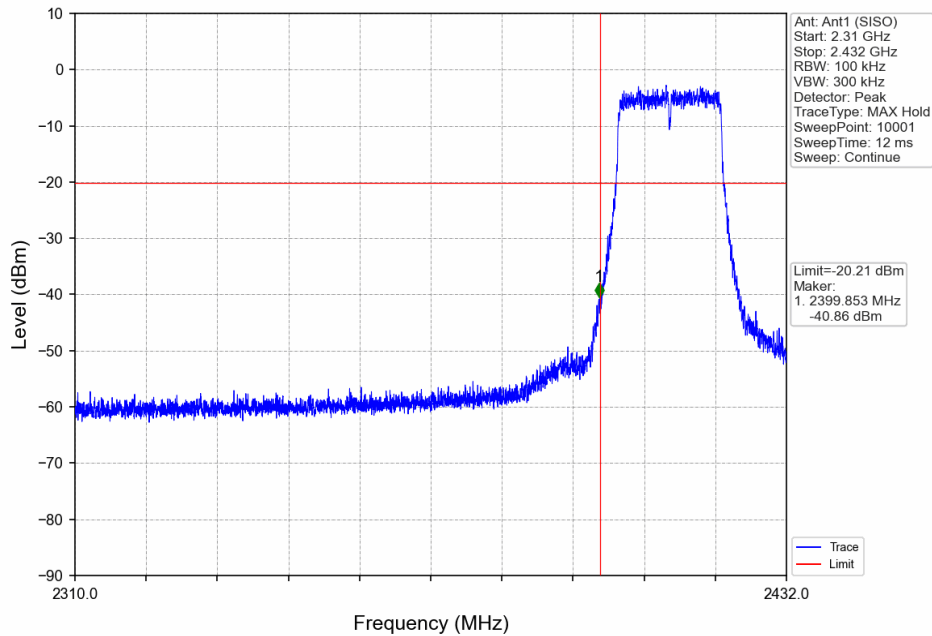


802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

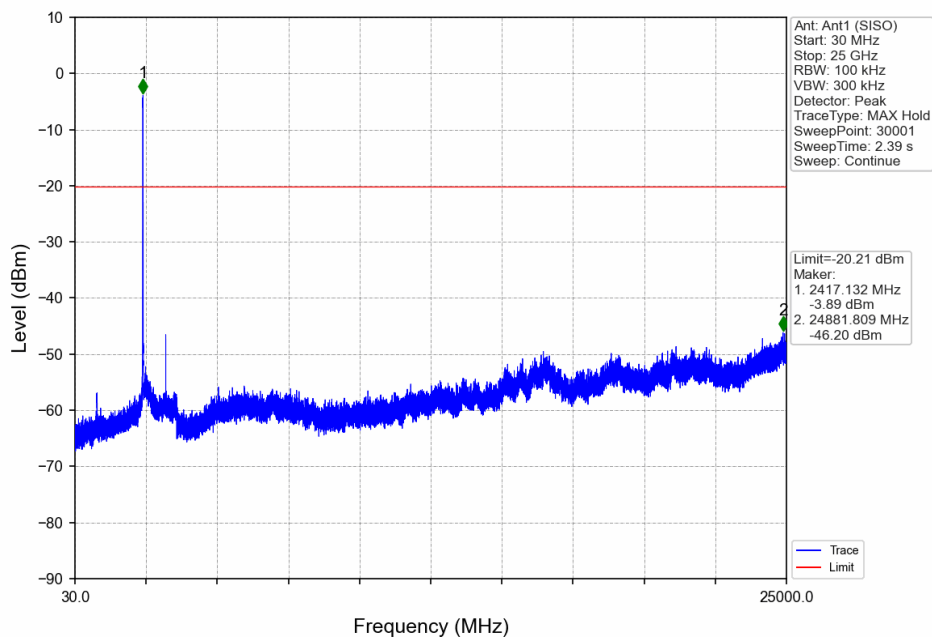


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802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



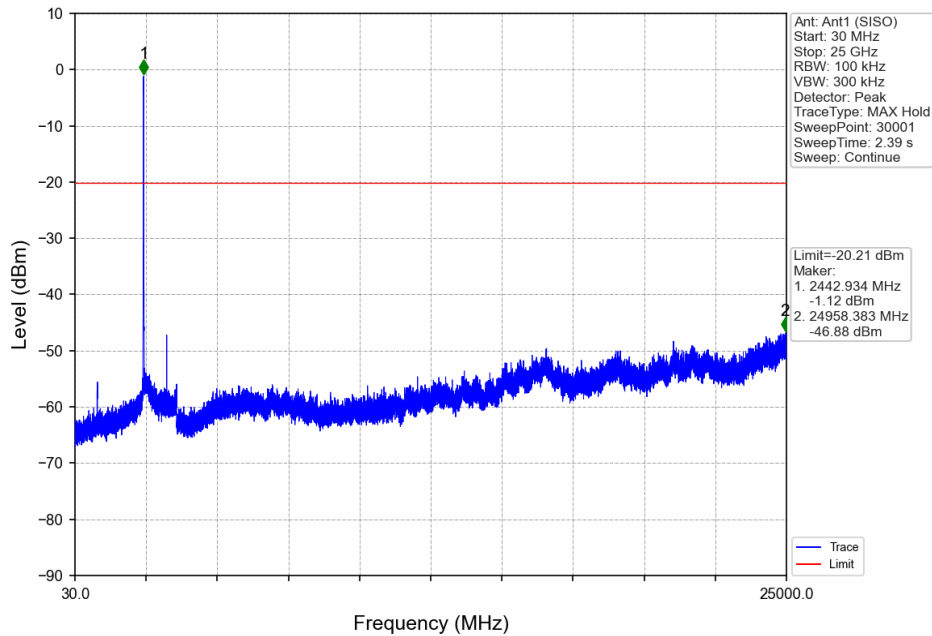
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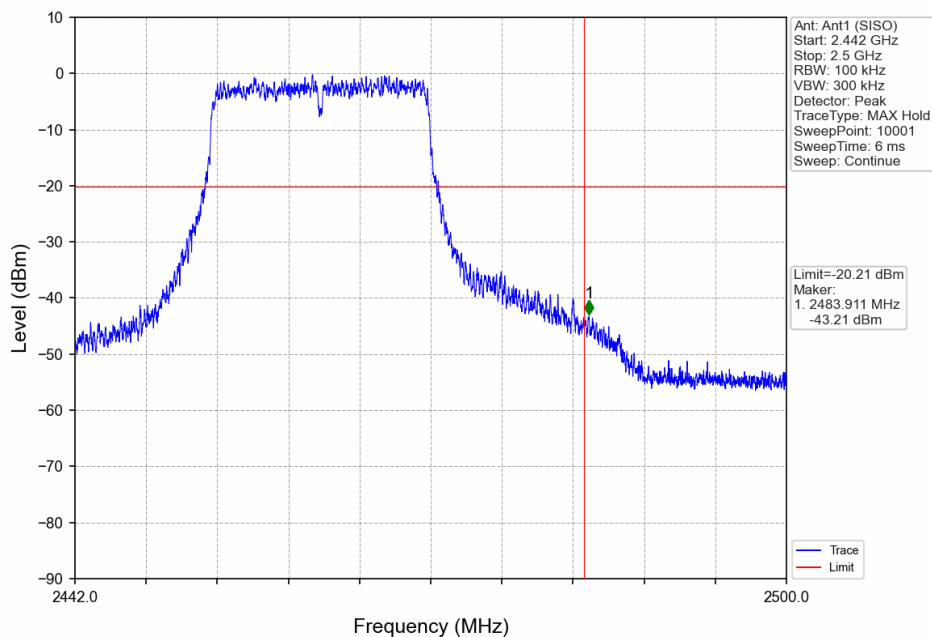
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802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



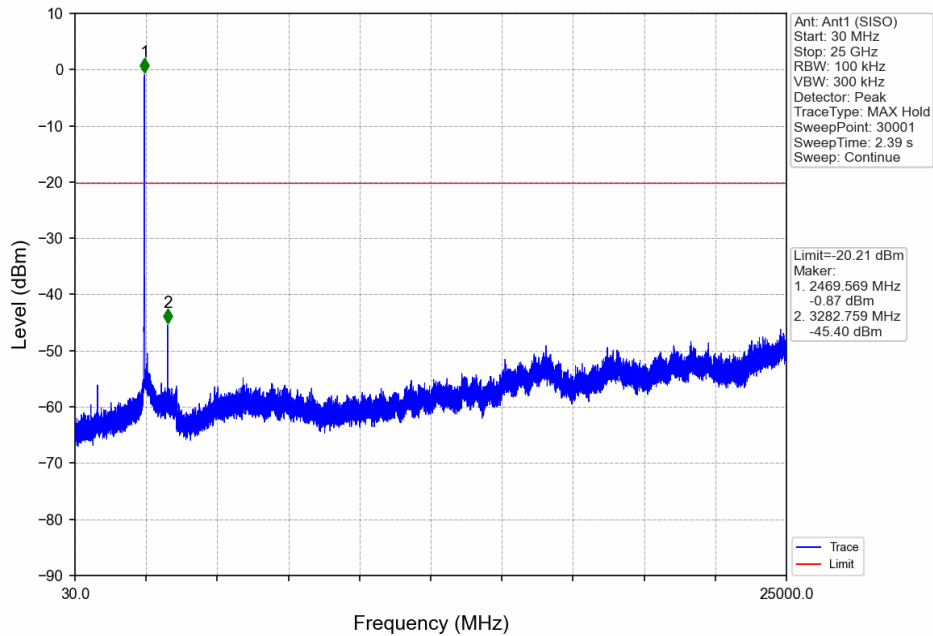
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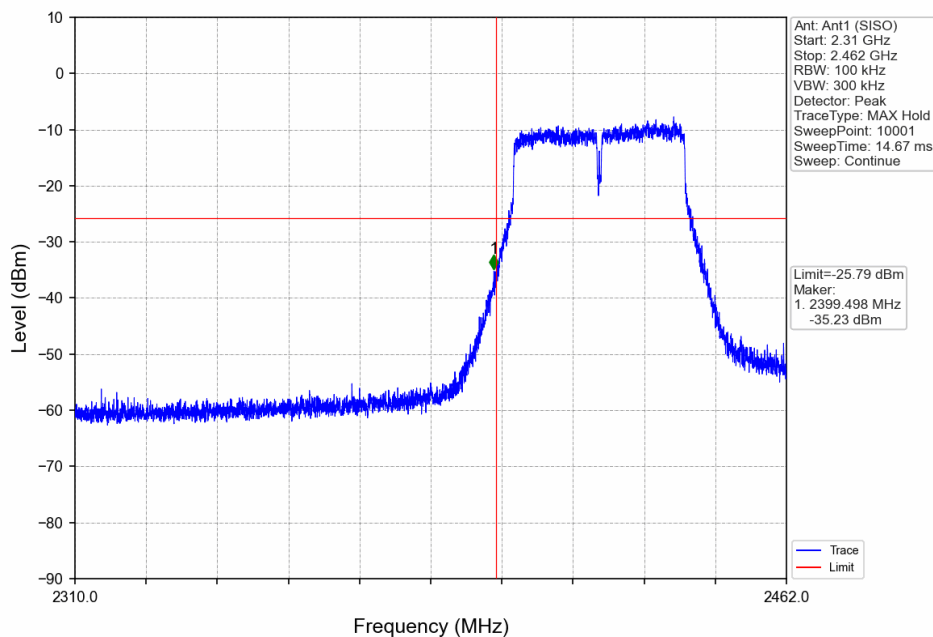
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802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV

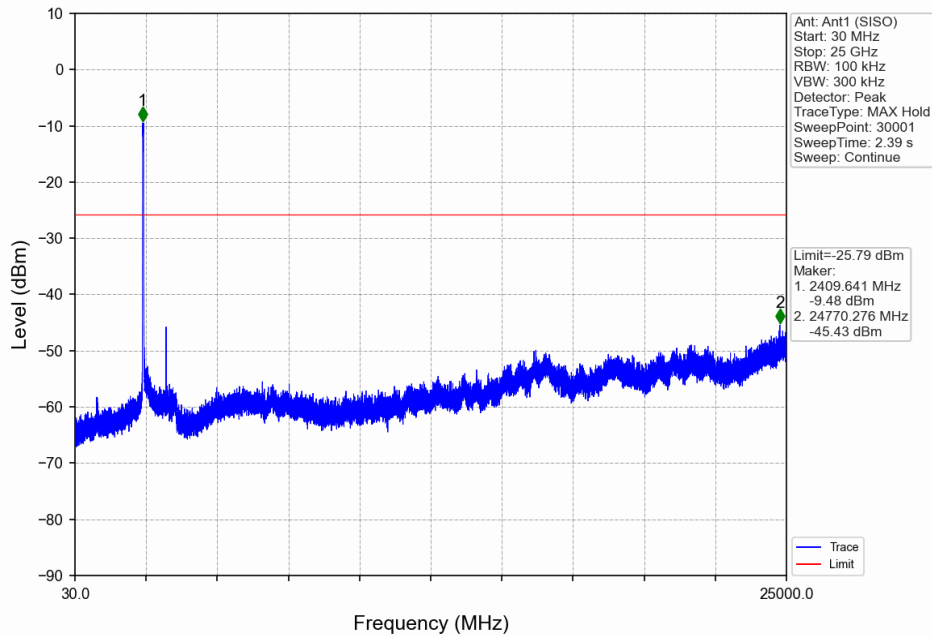


802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV

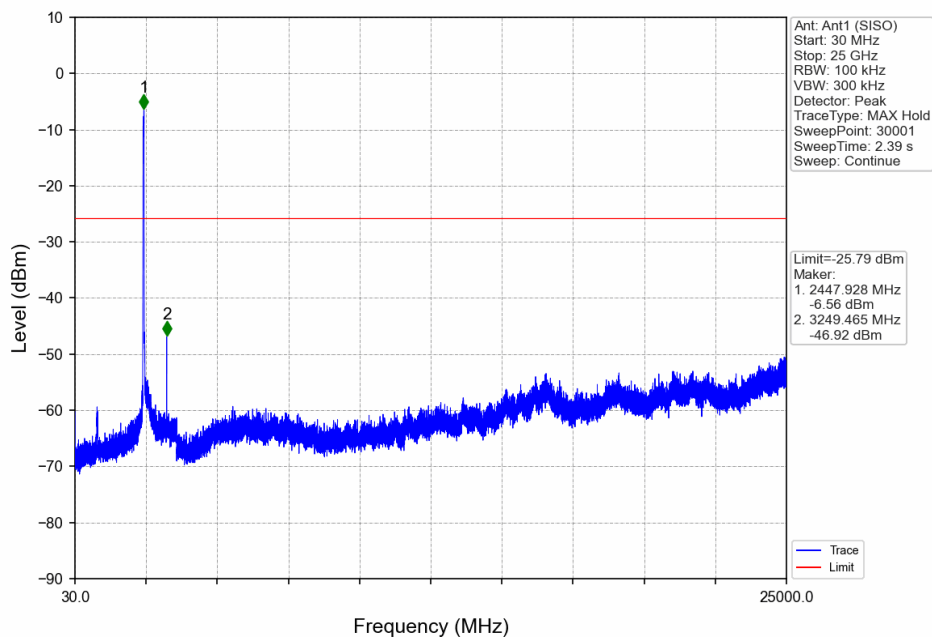


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802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV

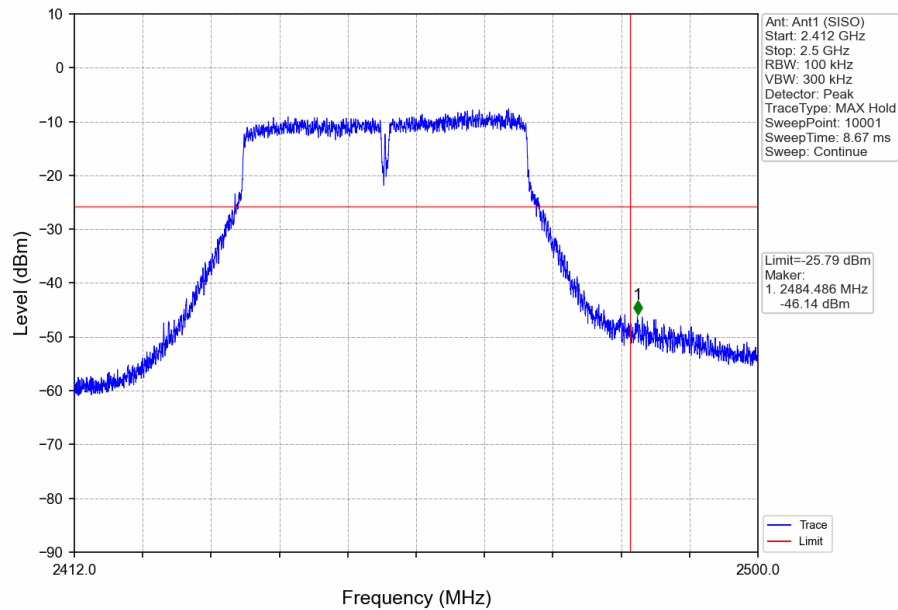


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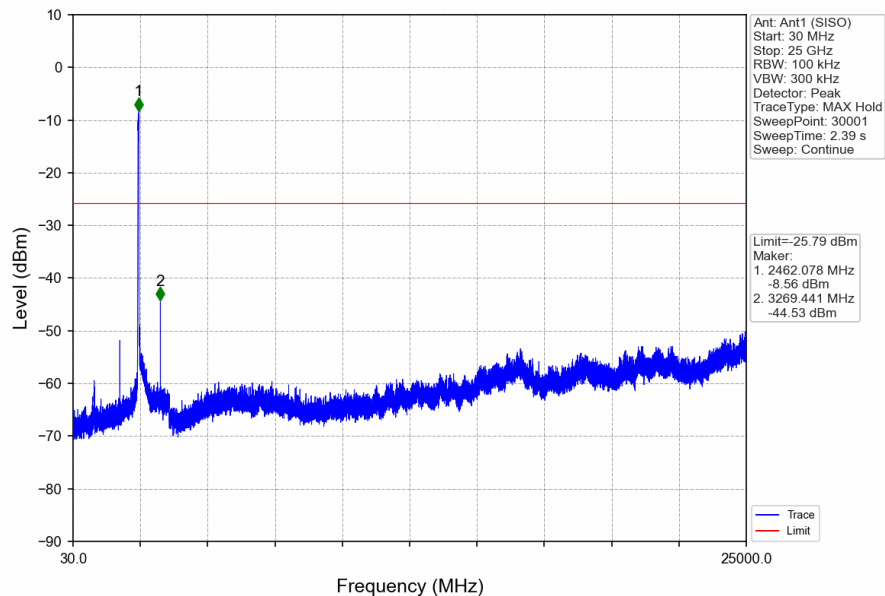


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802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



- End of the Report -

