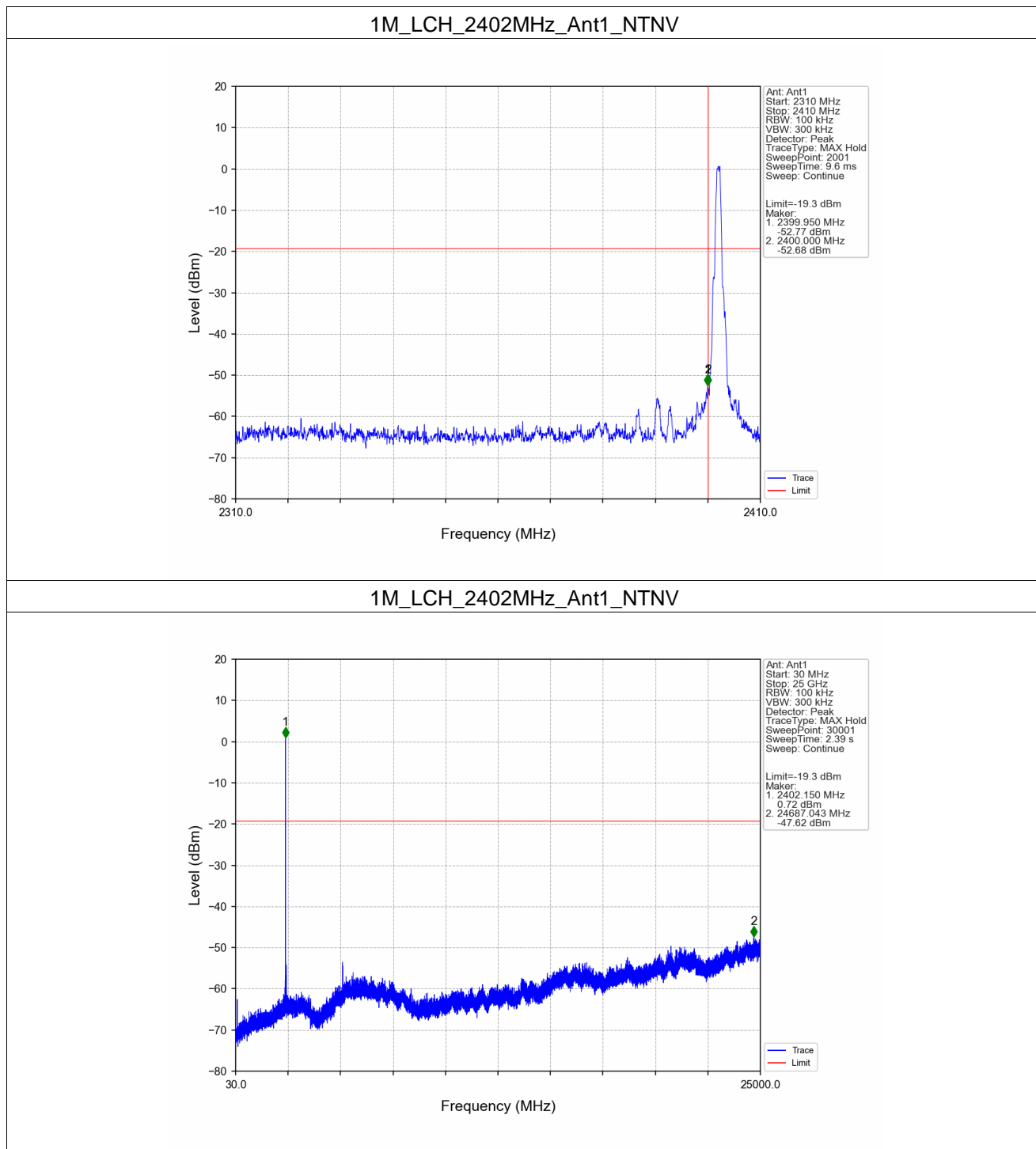


5.2.2 CSE and Band Edges



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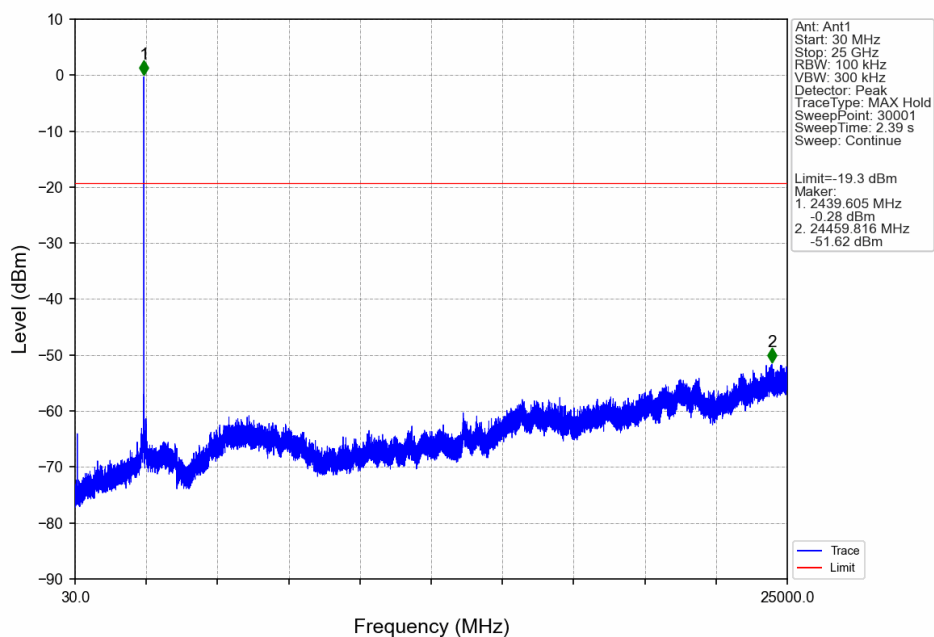
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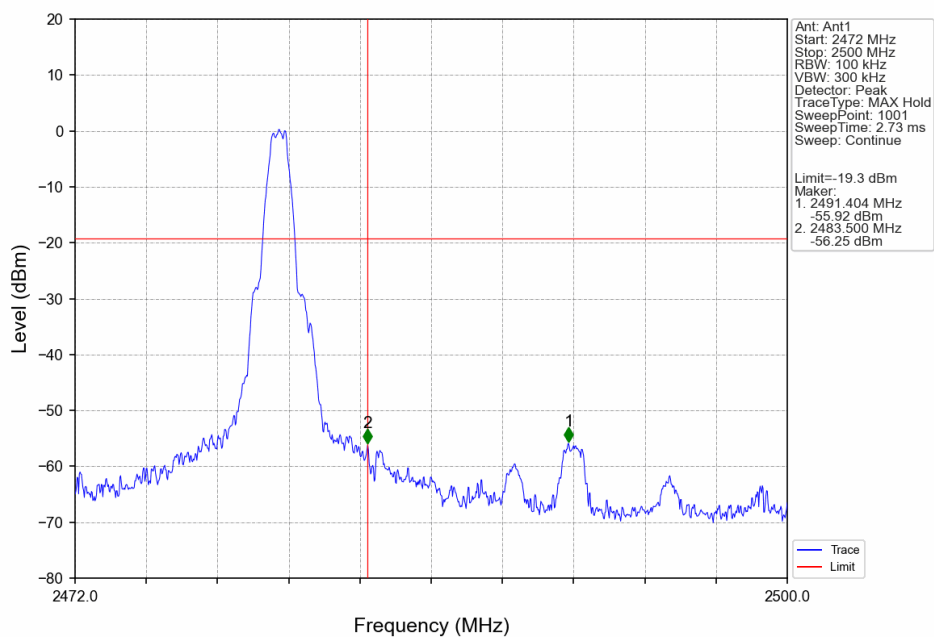
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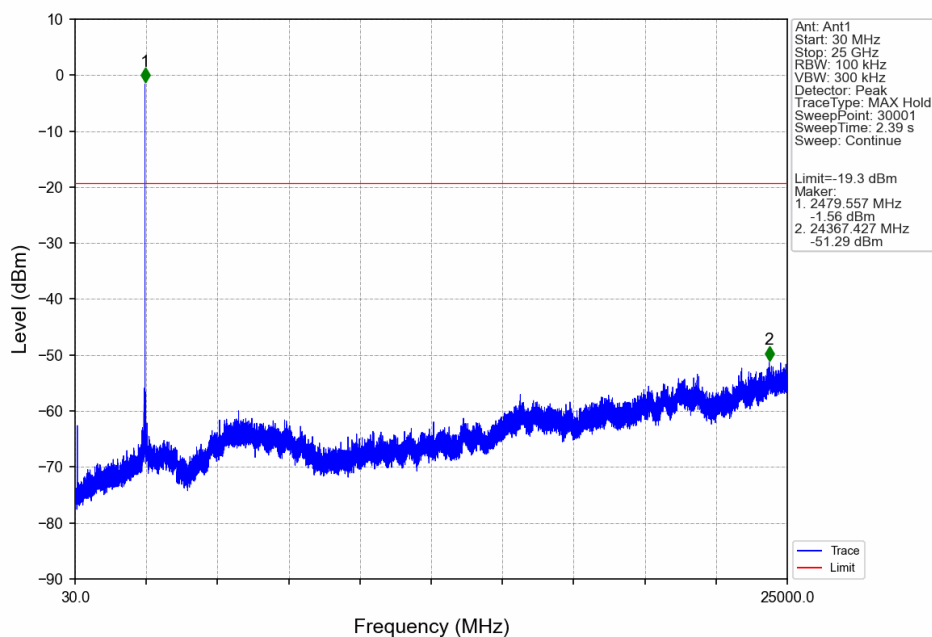
1M_MCH_2440MHz_Ant1_NTNV



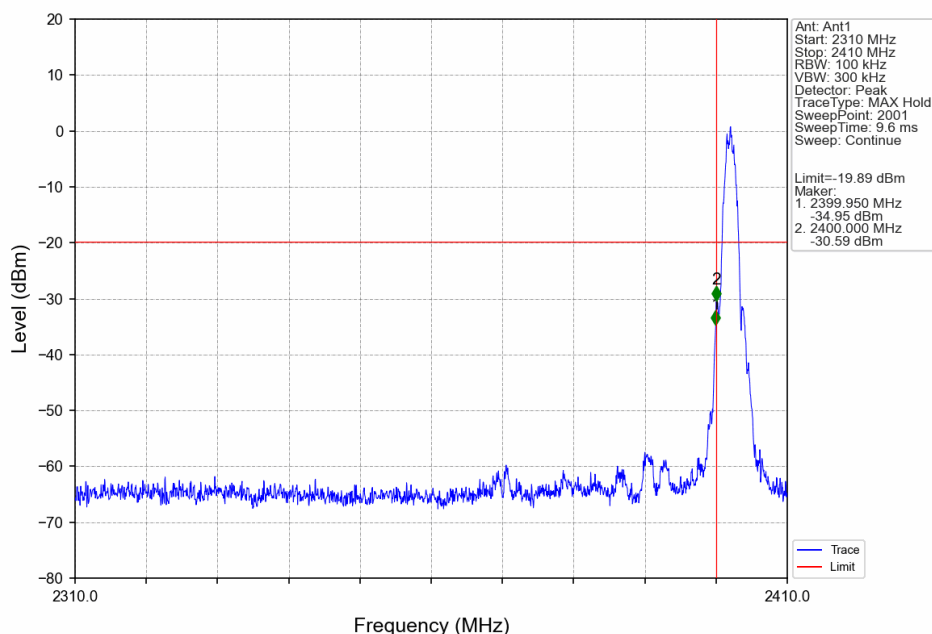
1M_HCH_2480MHz_Ant1_NTNV



1M_HCH_2480MHz_Ant1_NTNV



2M_LCH_2402MHz_Ant1_NTNV



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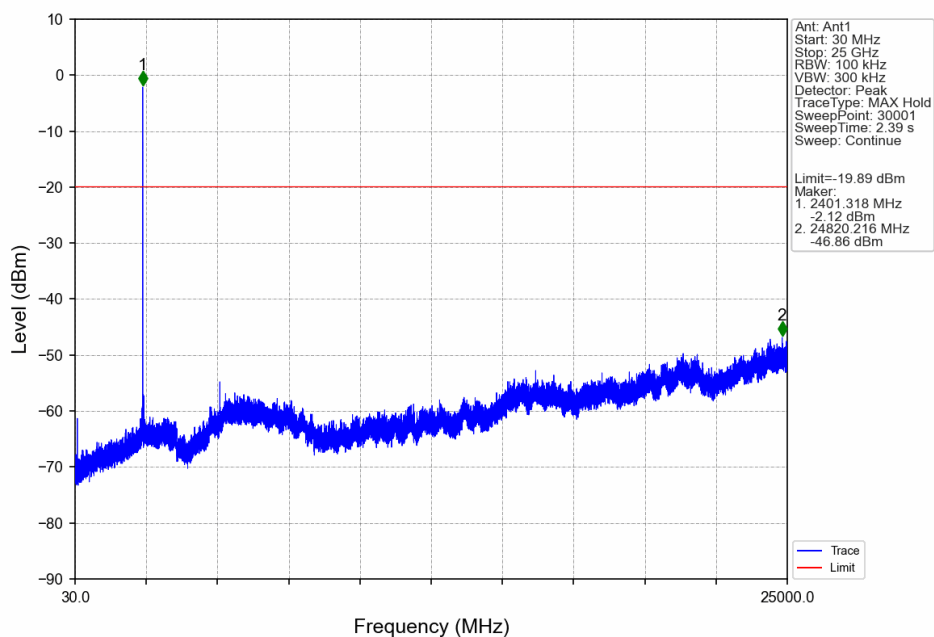
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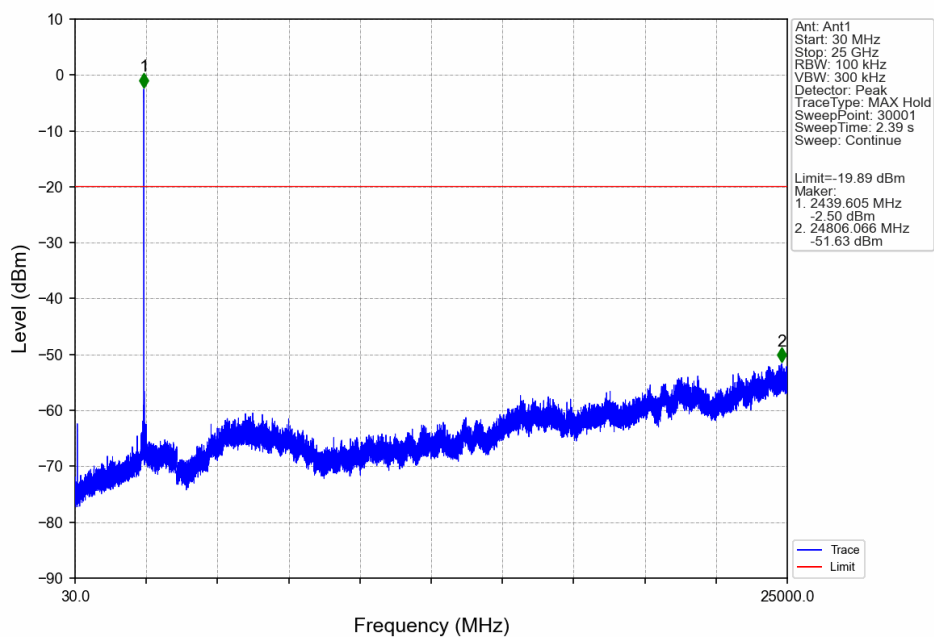
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2M_LCH_2402MHz_Ant1_NTNV



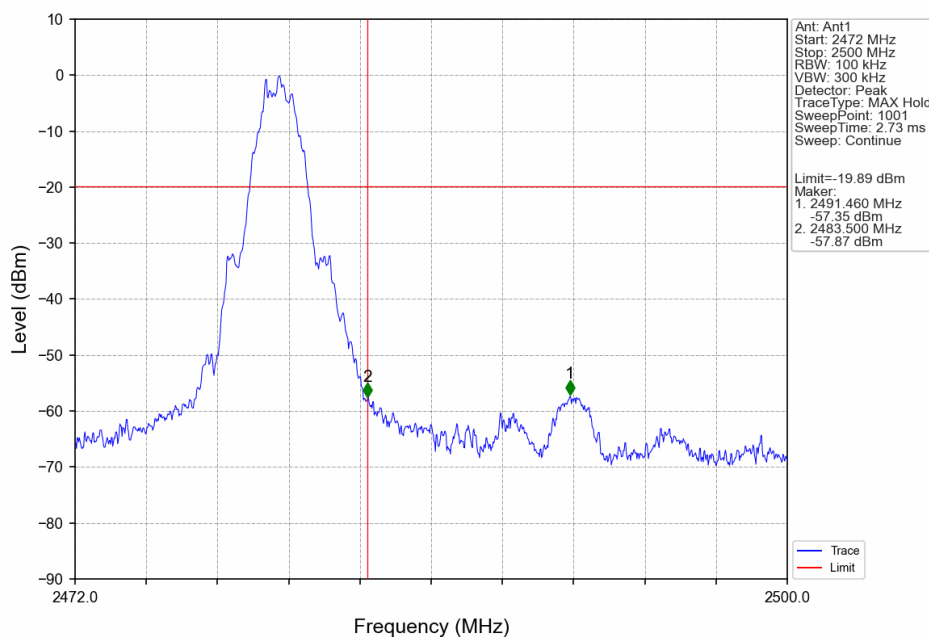
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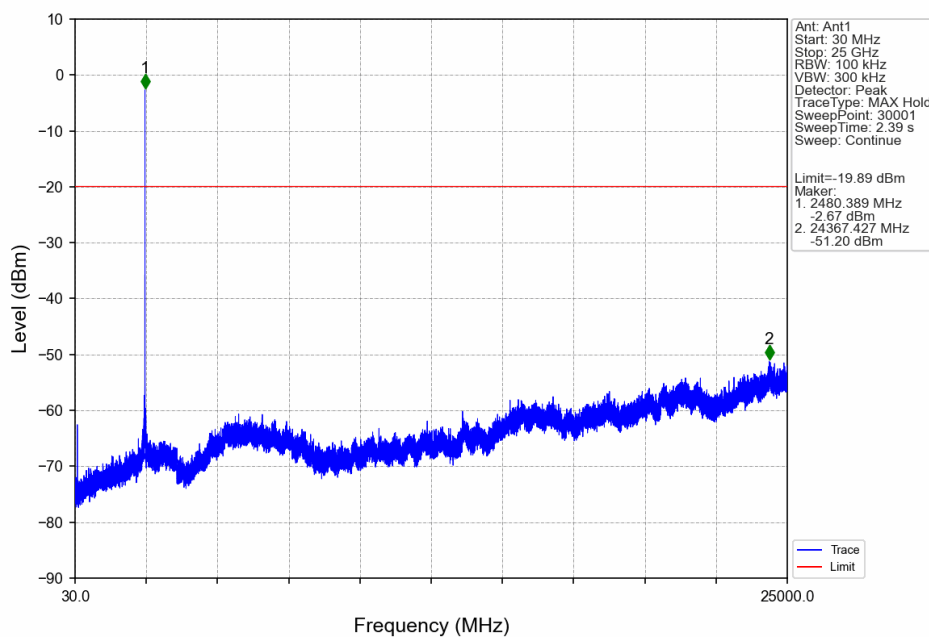
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2M_HCH_2480MHz_Ant1_NTNV



2M_HCH_2480MHz_Ant1_NTNV



For 2.4GHz Wi-Fi

1. Duty Cycle

1.1 Test Result

1.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	32.950	32.980	99.91	0.00	0.01
		2437	32.954	32.984	99.91	0.00	0.01
		2462	32.950	32.980	99.91	0.00	0.00
802.11g	SISO	2412	5.484	5.510	99.53	0.02	0.00
		2437	5.484	5.510	99.53	0.02	0.00
		2462	5.484	5.510	99.53	0.02	0.00
802.11n (HT20)	SISO	2412	5.080	5.107	99.47	0.02	0.04
		2437	5.079	5.105	99.49	0.02	0.00
		2462	5.080	5.107	99.47	0.02	0.04
802.11n (HT40)	SISO	2422	2.468	2.494	98.96	0.05	0.03
		2437	2.468	2.493	99.00	0.04	0.00
		2452	2.468	2.494	98.96	0.05	0.03



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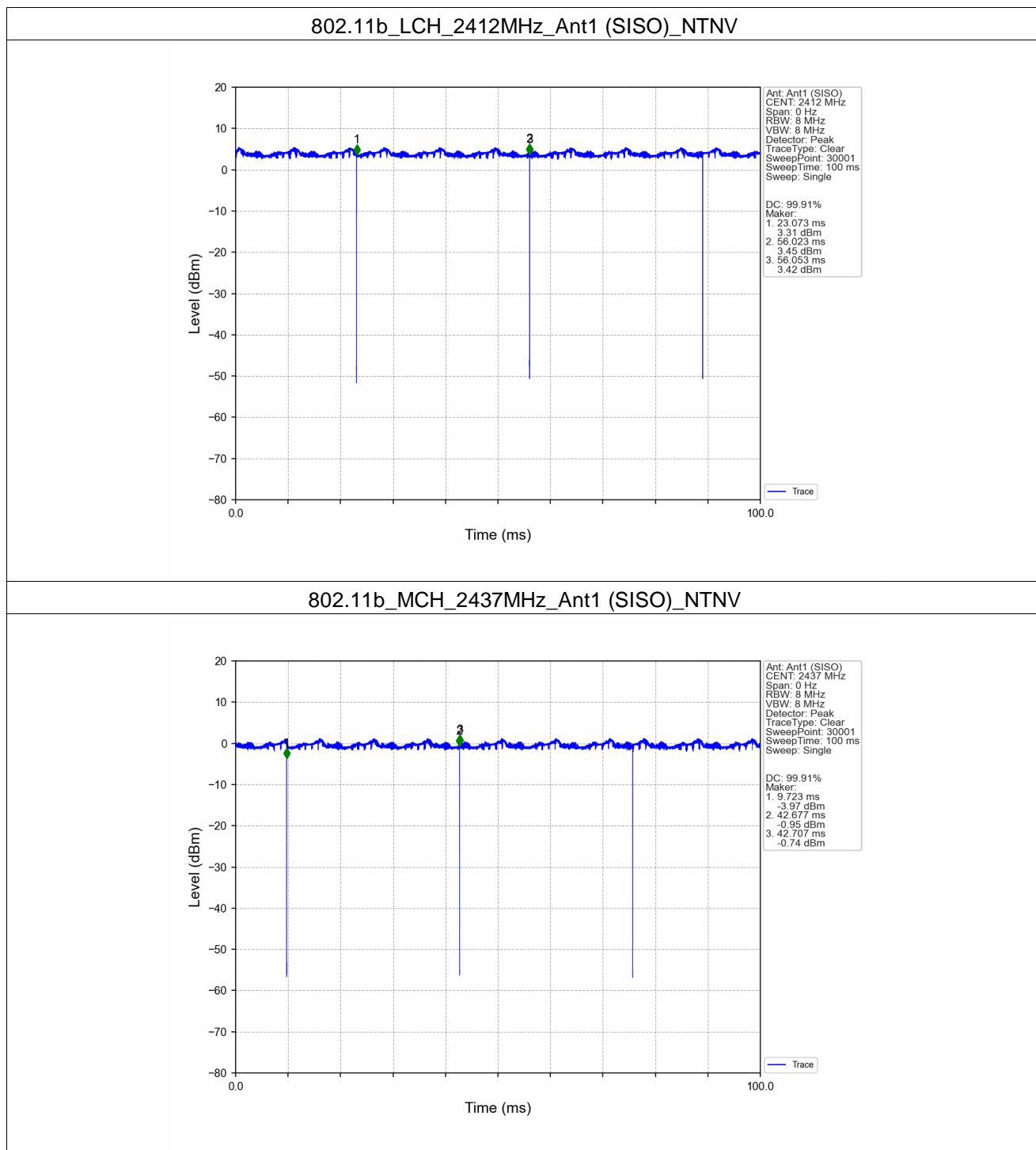
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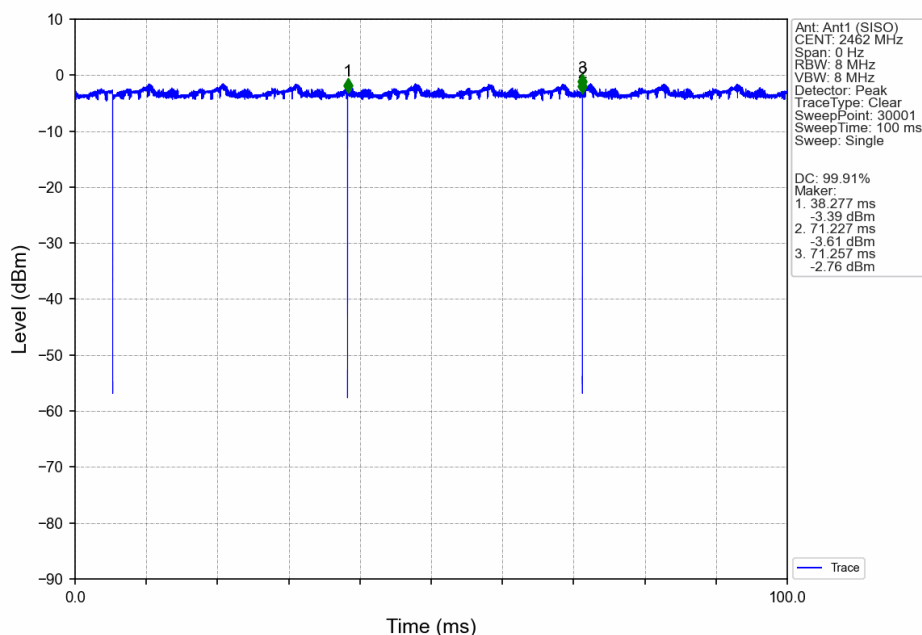
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1.2 Test Graph

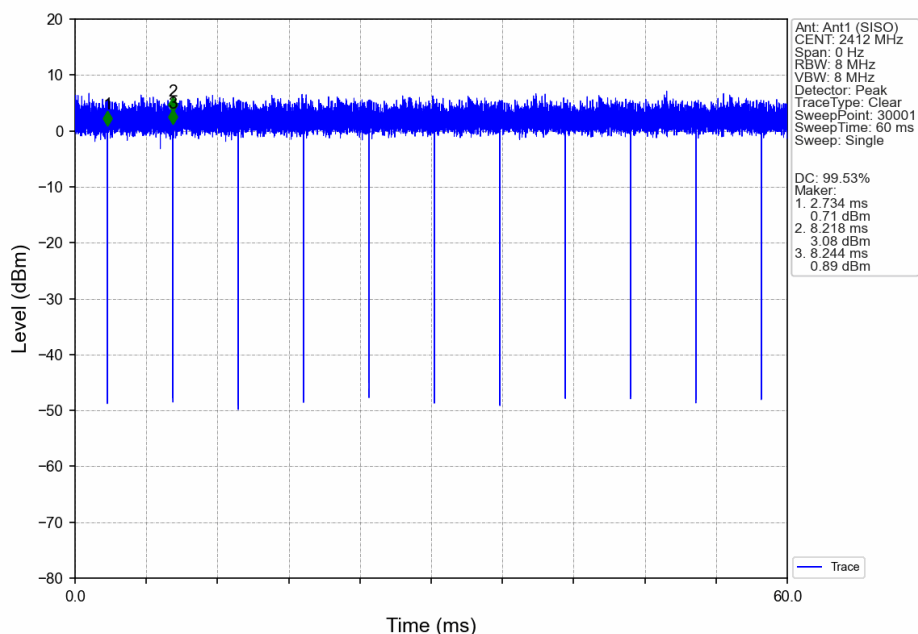
1.2.1 Ant1



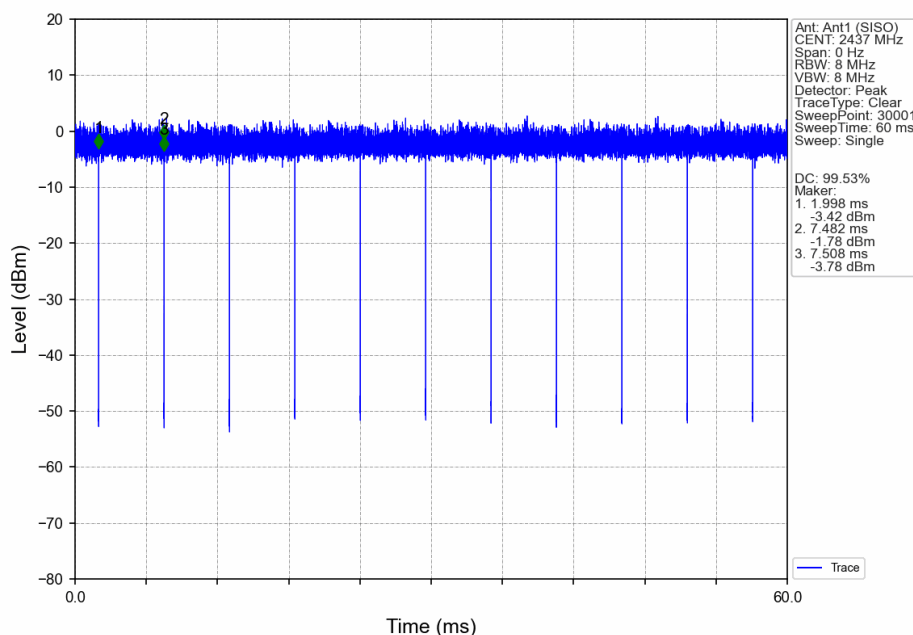
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



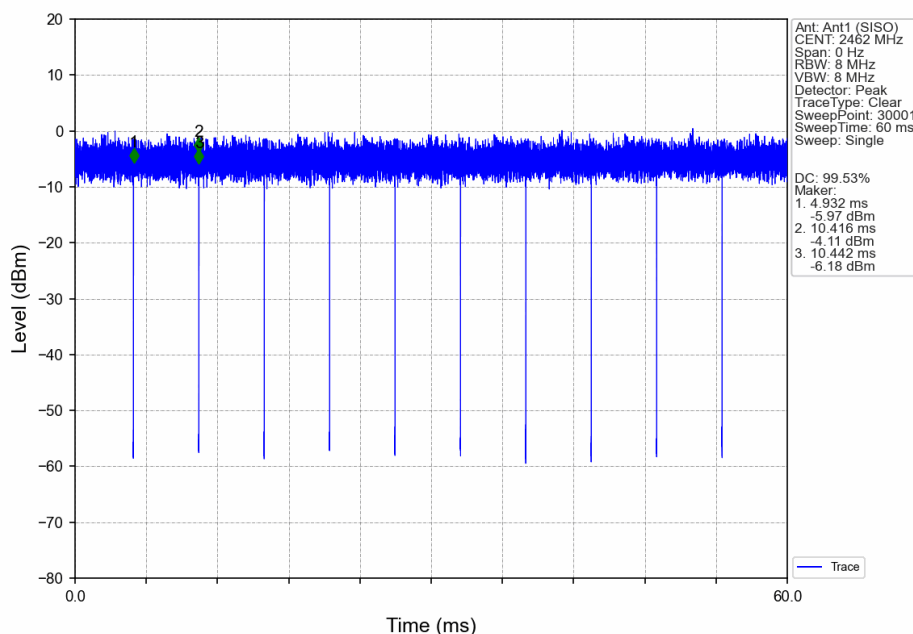
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



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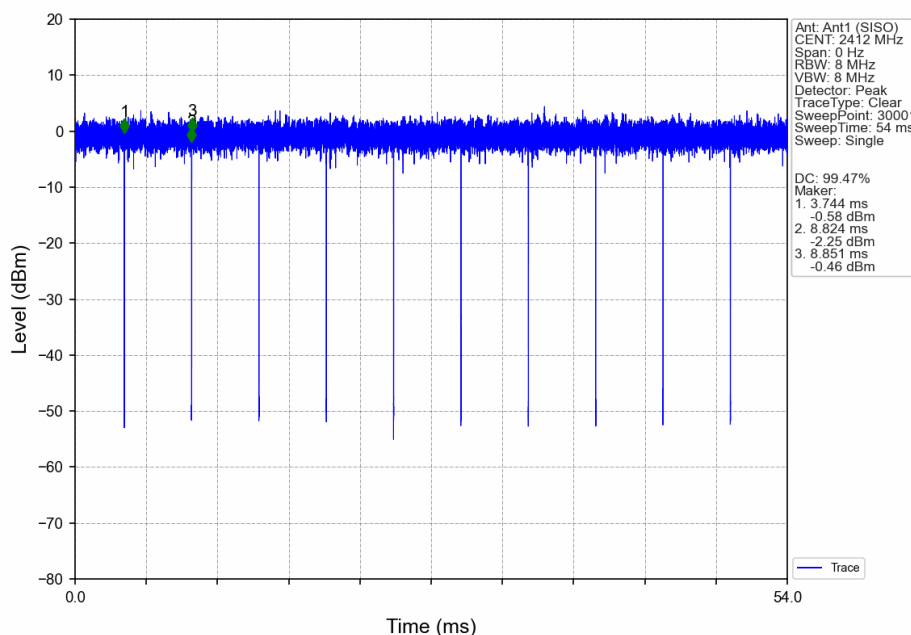
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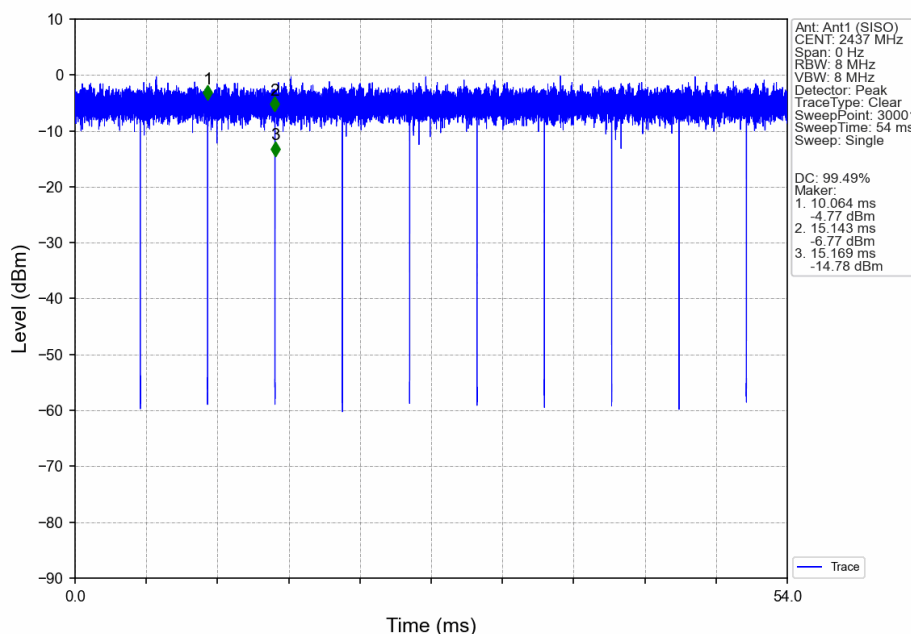
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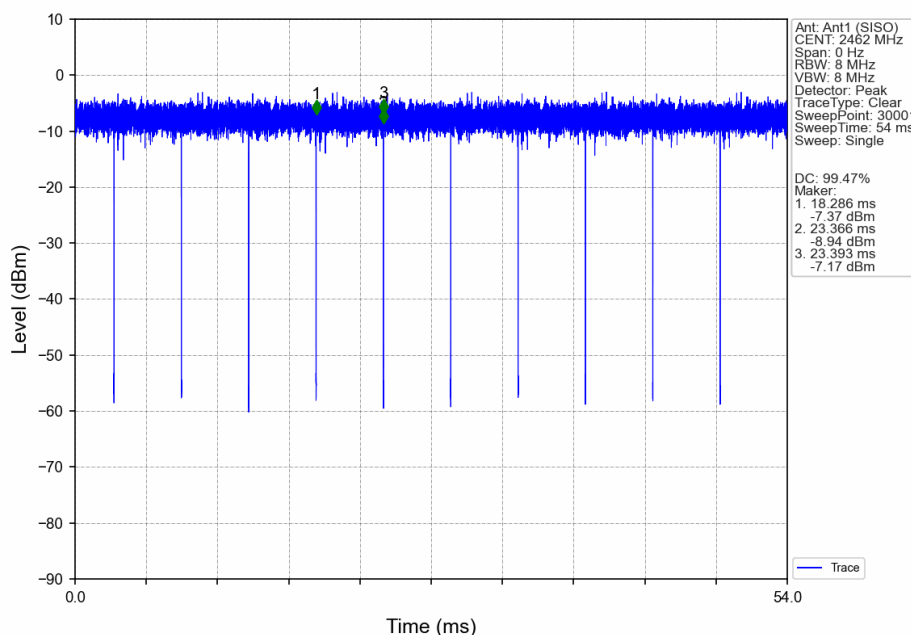
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



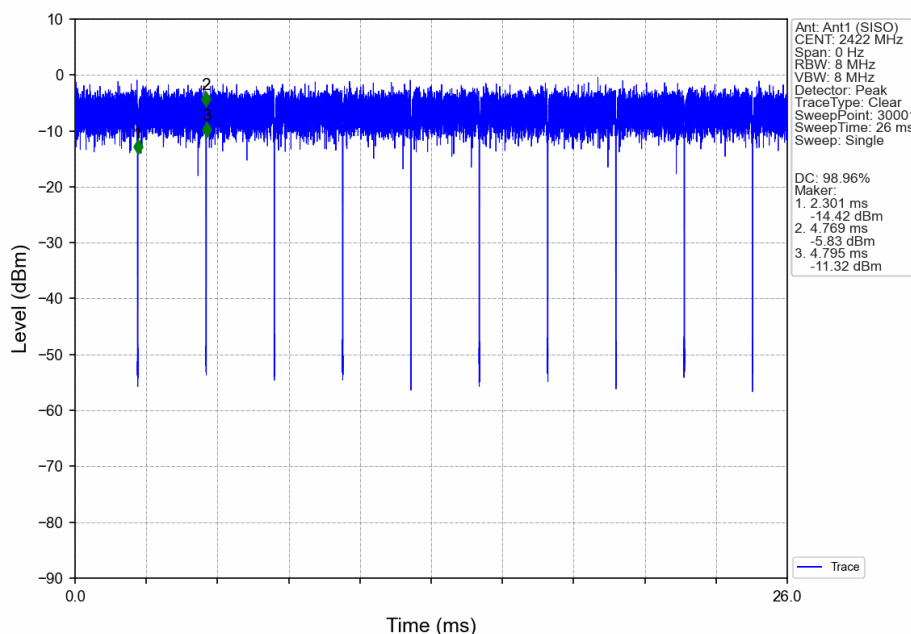
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



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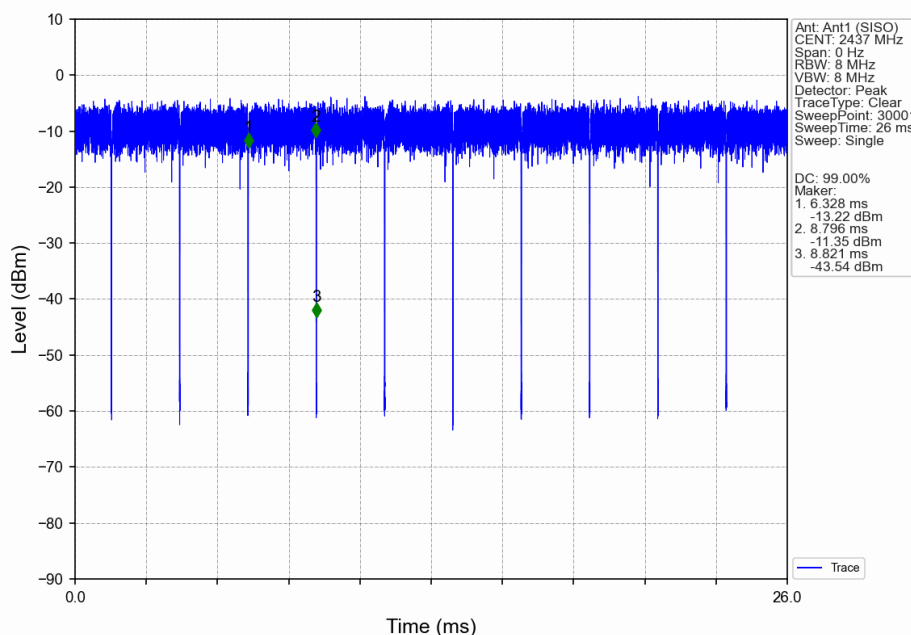
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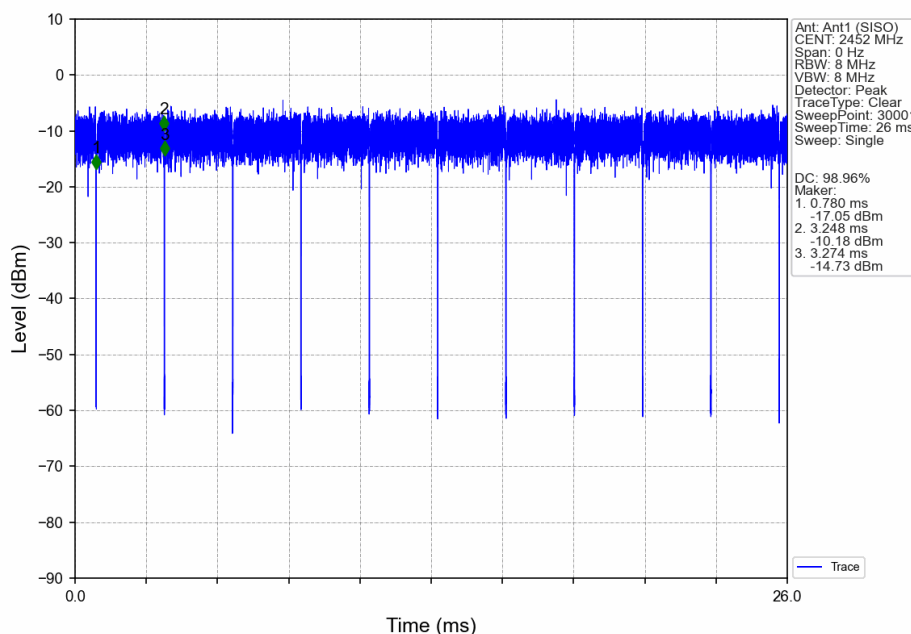
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802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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2. Bandwidth

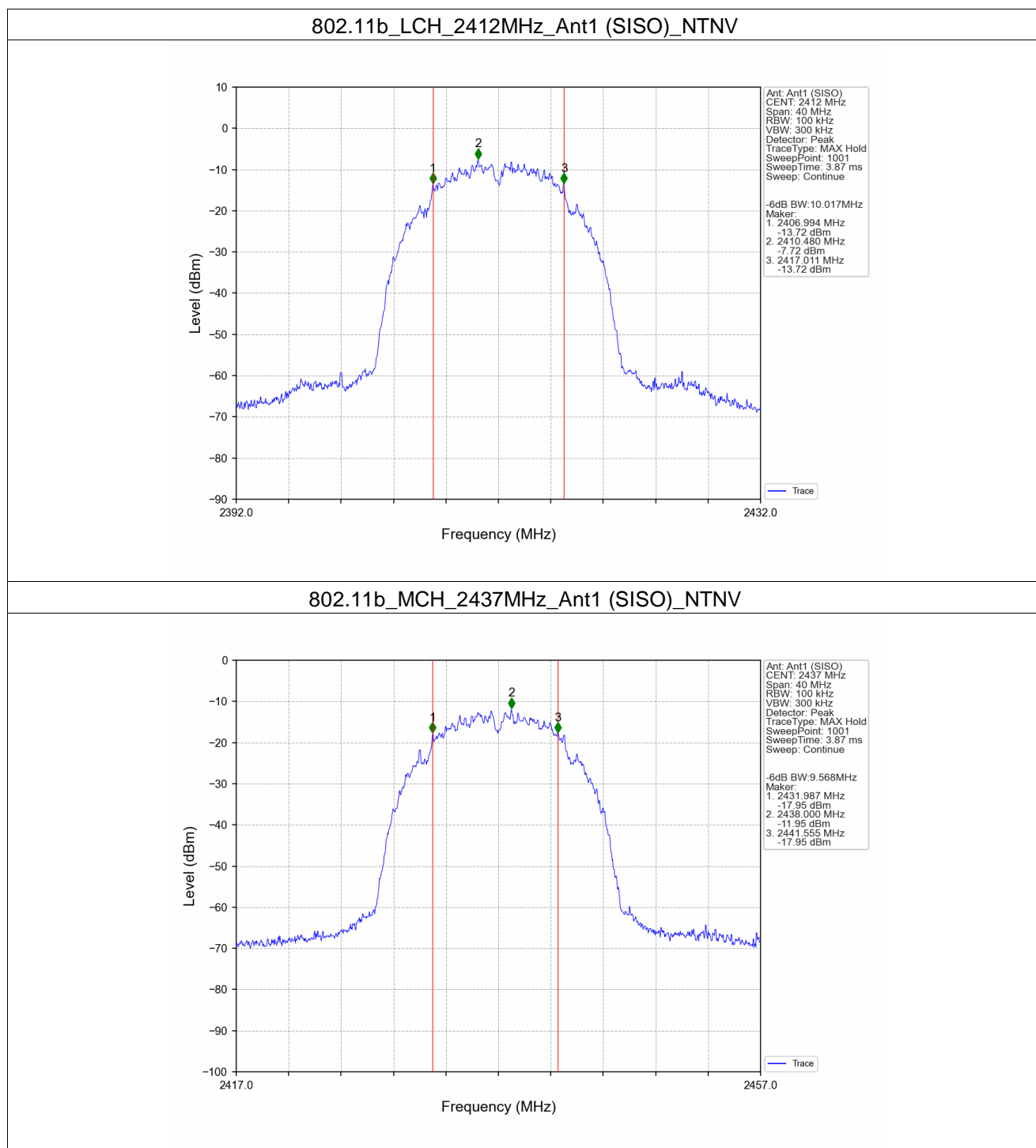
2.1 Test Result

2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	10.017	≥ 0.5	Pass
		2437	1	9.568	≥ 0.5	Pass
		2462	1	10.064	≥ 0.5	Pass
802.11g	SISO	2412	1	16.378	≥ 0.5	Pass
		2437	1	16.383	≥ 0.5	Pass
		2462	1	16.354	≥ 0.5	Pass
802.11n (HT20)	SISO	2412	1	16.917	≥ 0.5	Pass
		2437	1	16.867	≥ 0.5	Pass
		2462	1	16.838	≥ 0.5	Pass
802.11n (HT40)	SISO	2422	1	34.811	≥ 0.5	Pass
		2437	1	35.134	≥ 0.5	Pass
		2452	1	35.100	≥ 0.5	Pass

2.2 Test Graph

2.2.1 6dB BW



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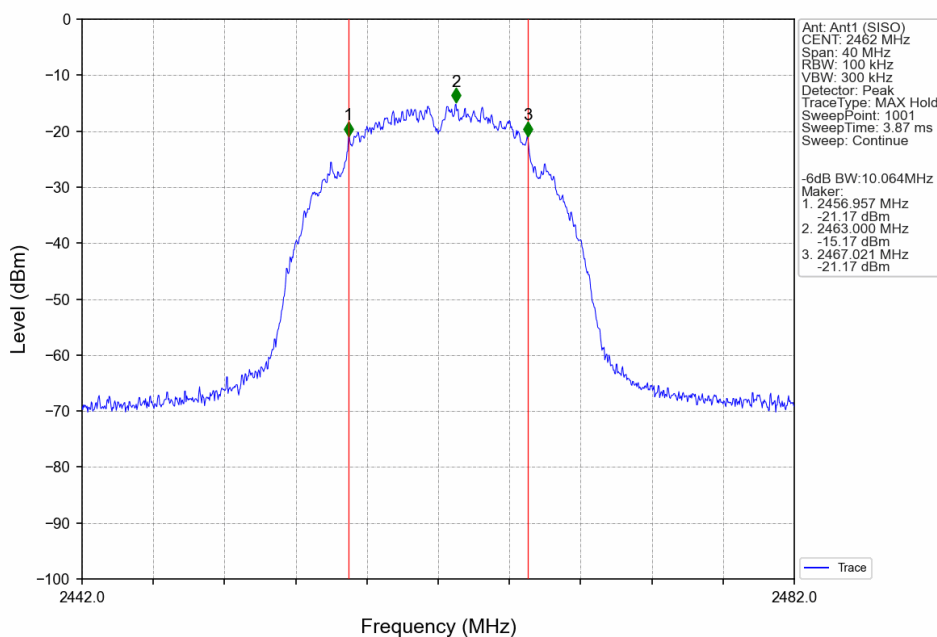
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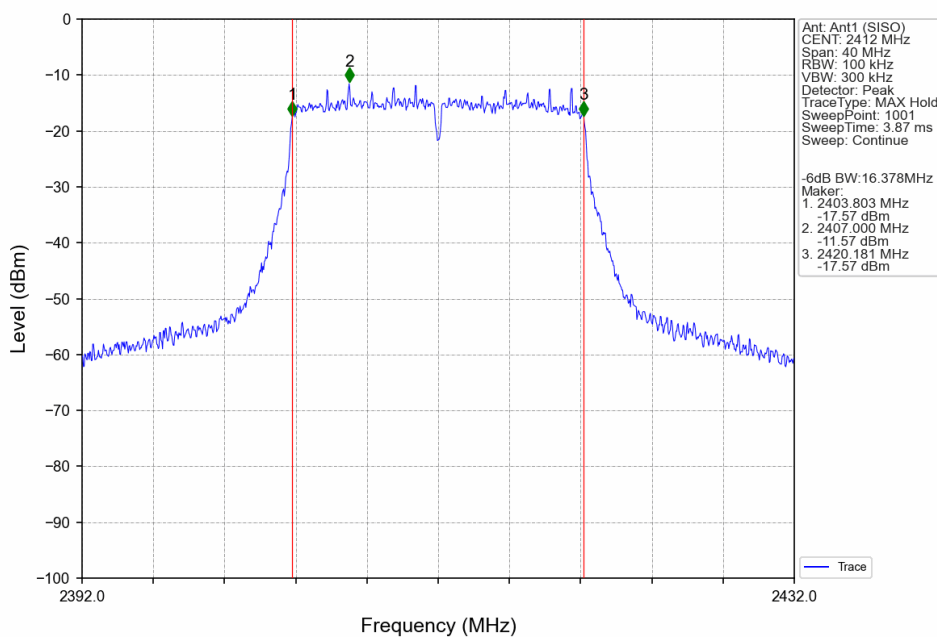
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802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



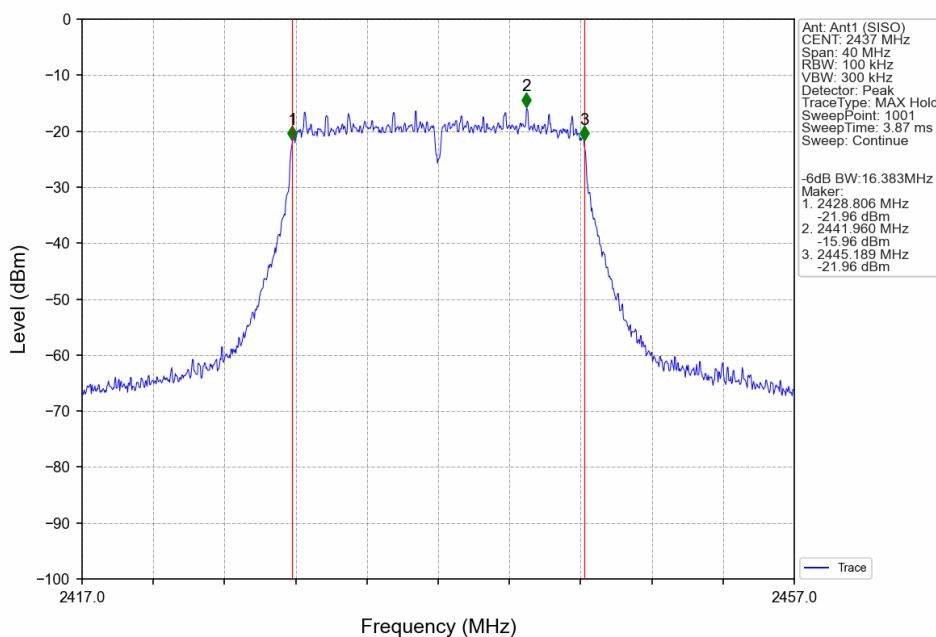
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



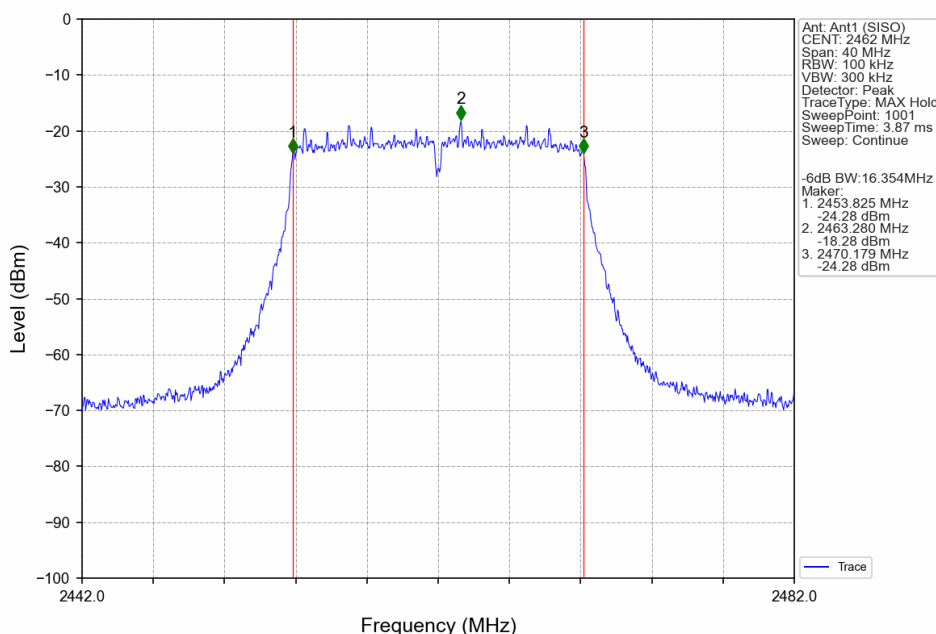
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802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV



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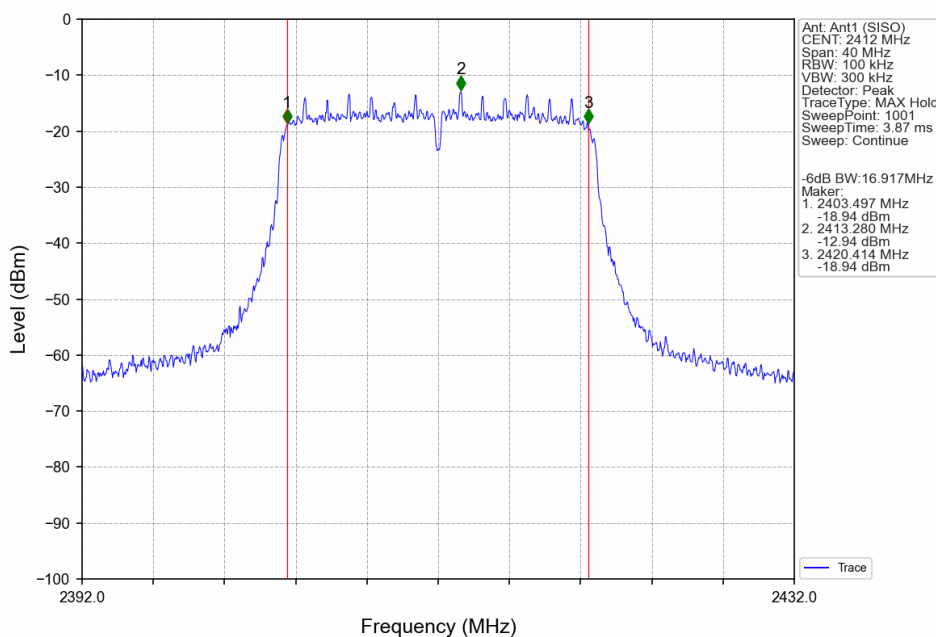
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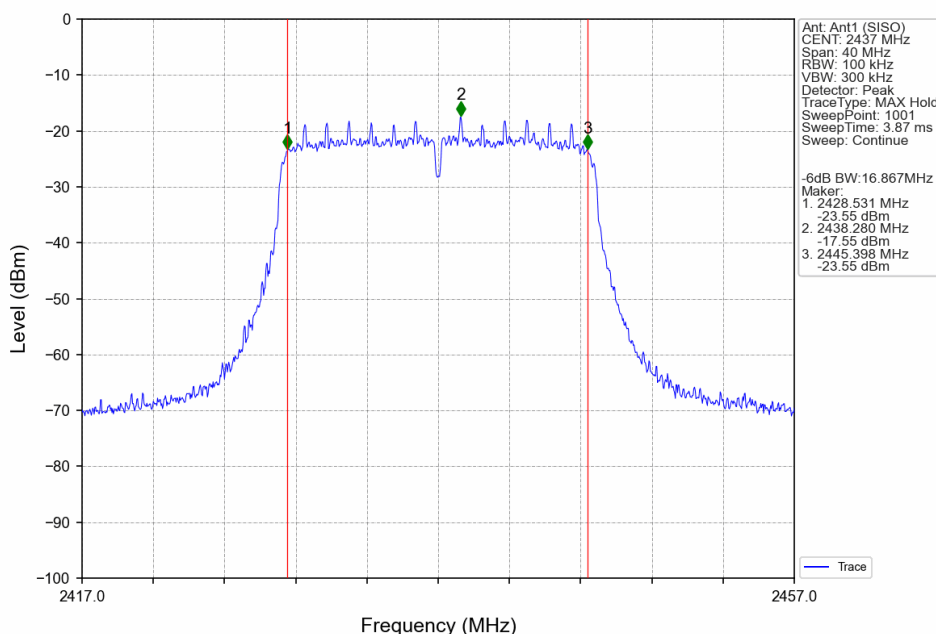
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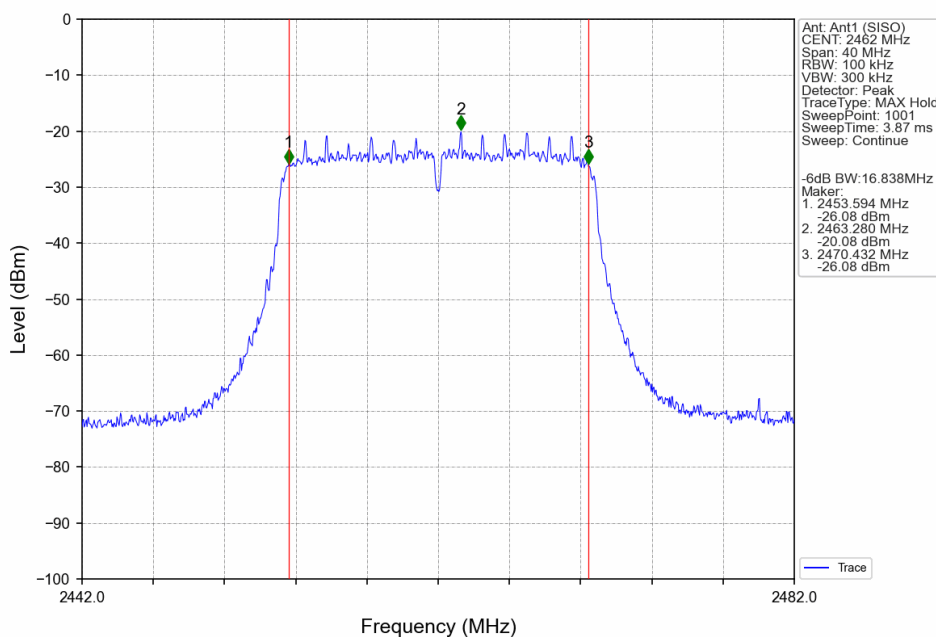
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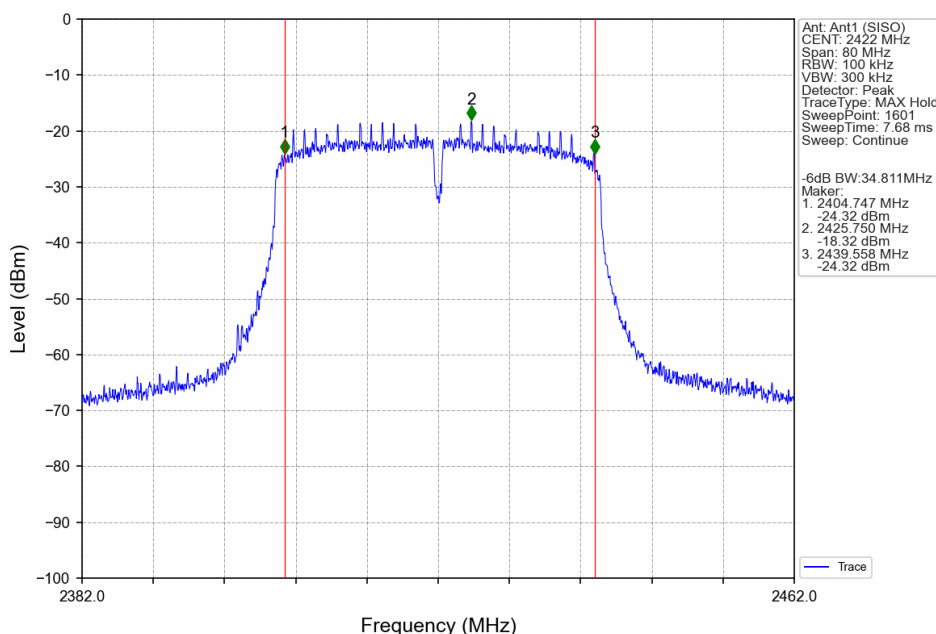
802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



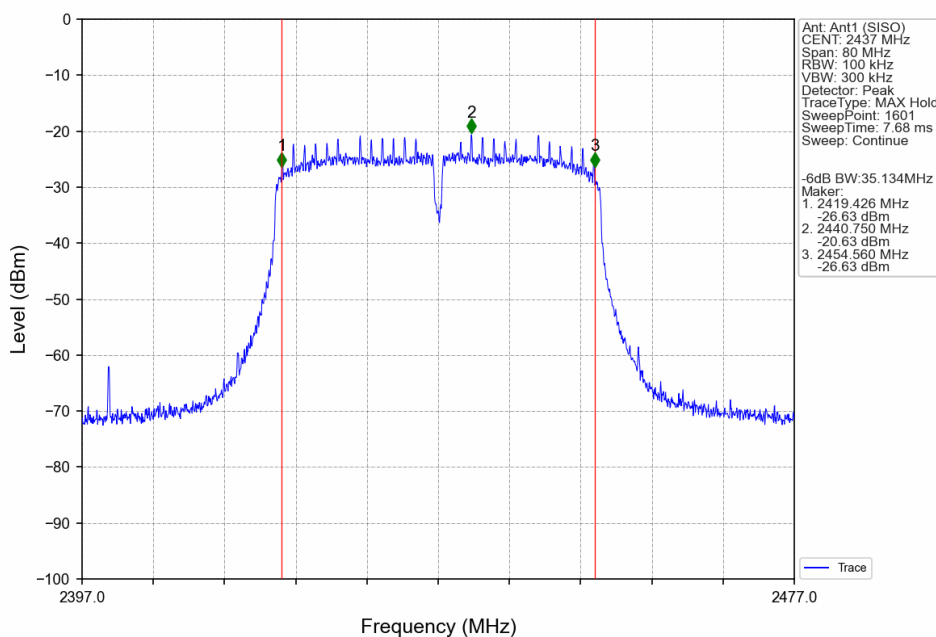
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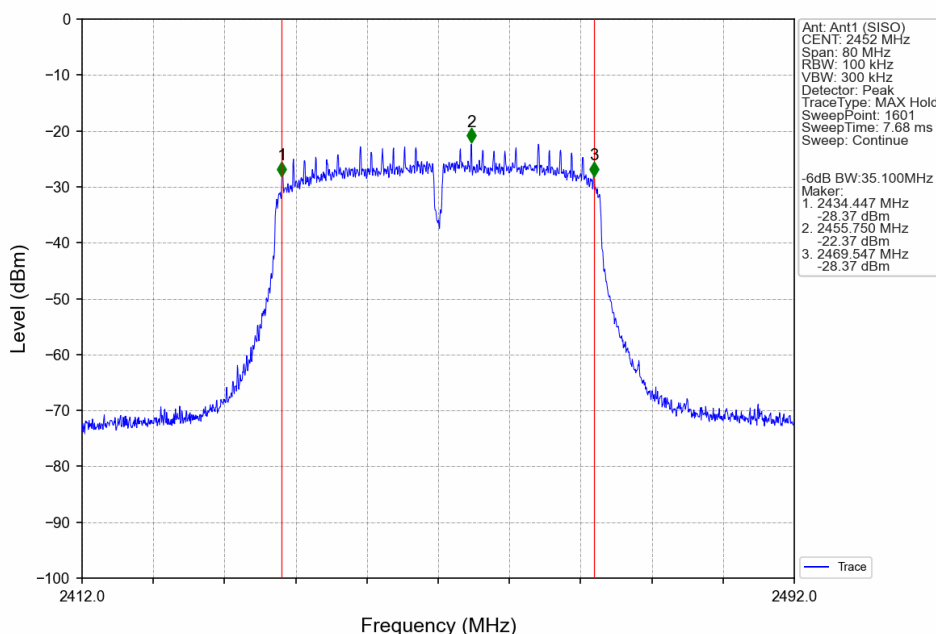
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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3. Maximum Conducted Output Power

3.1 Test Result

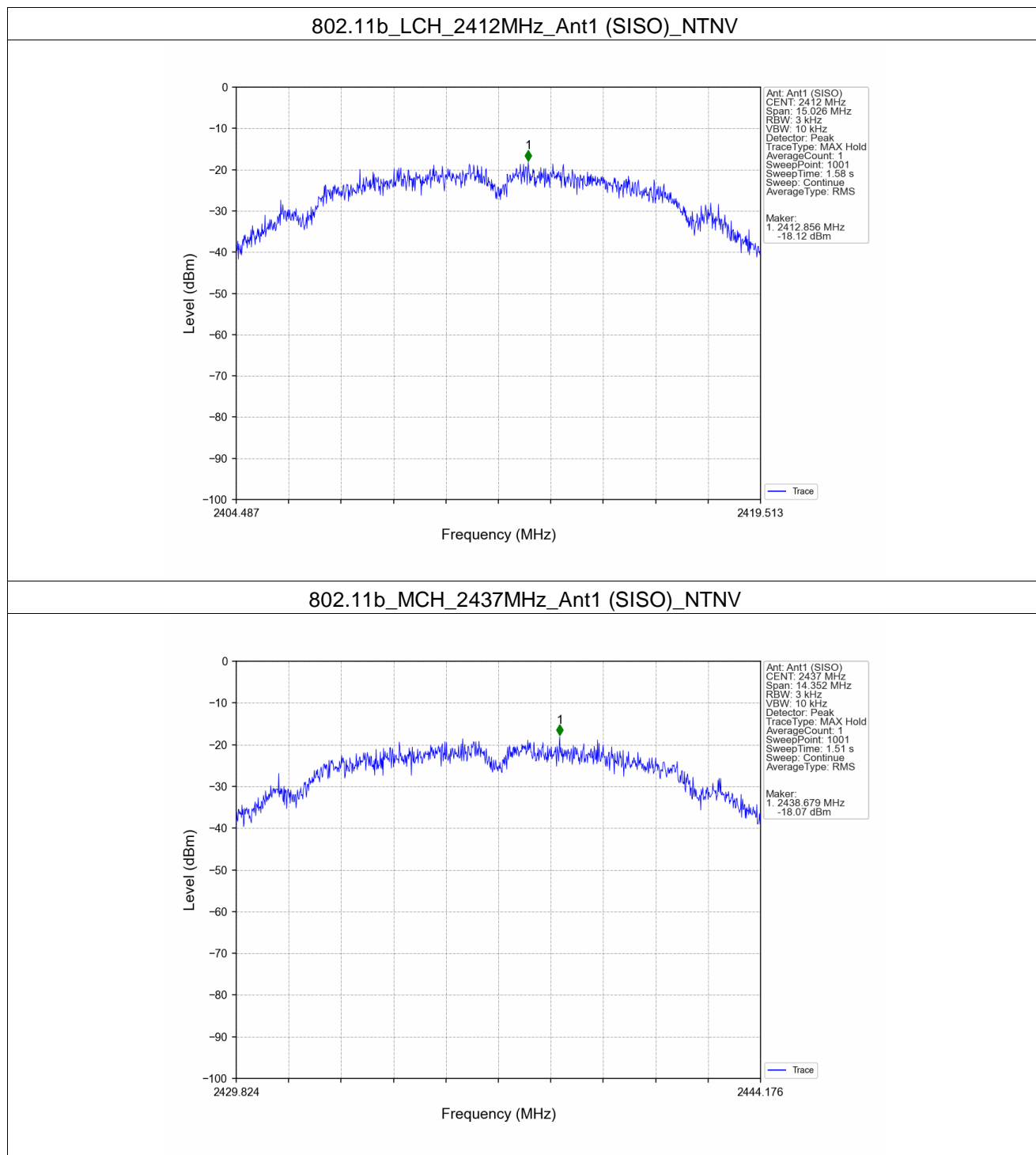
3.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Peak Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11b	SISO	2412	12.01	<=30	Pass
		2437	11.81	<=30	Pass
		2462	12.10	<=30	Pass
802.11g	SISO	2412	12.90	<=30	Pass
		2437	12.77	<=30	Pass
		2462	13.03	<=30	Pass
802.11n (HT20)	SISO	2412	11.09	<=30	Pass
		2437	11.01	<=30	Pass
		2462	11.10	<=30	Pass
802.11n (HT40)	SISO	2422	10.90	<=30	Pass
		2437	11.09	<=30	Pass
		2452	11.03	<=30	Pass

Note1: Antenna Gain: Ant1: 2.26dBi;

4.2 Test Graph

4.2.1 PSD



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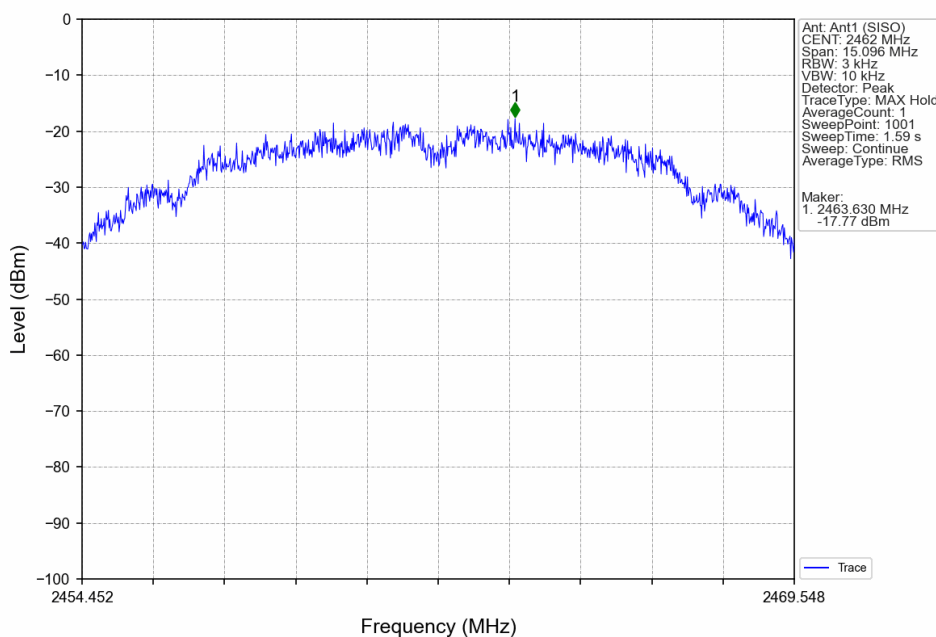
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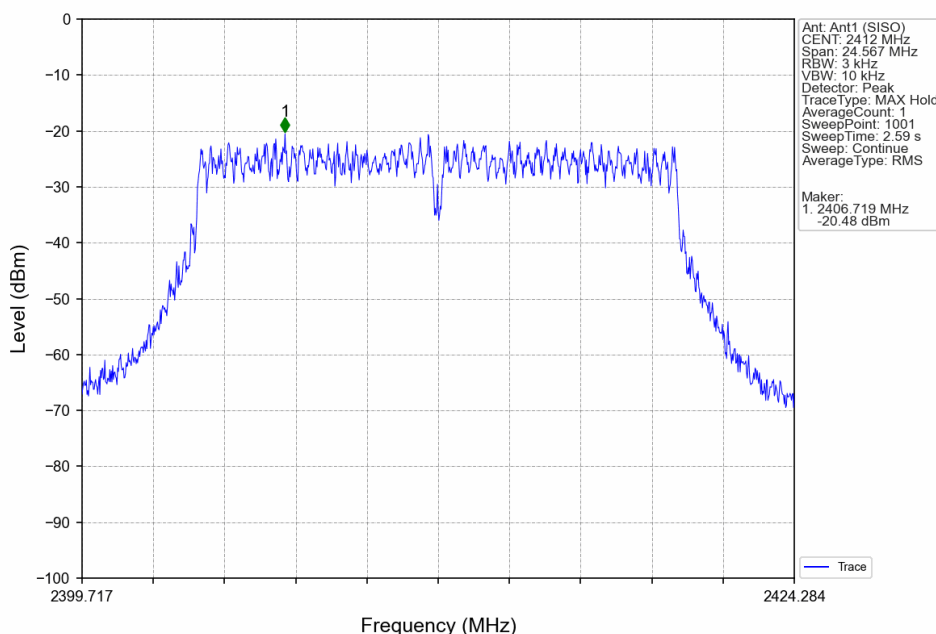
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802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



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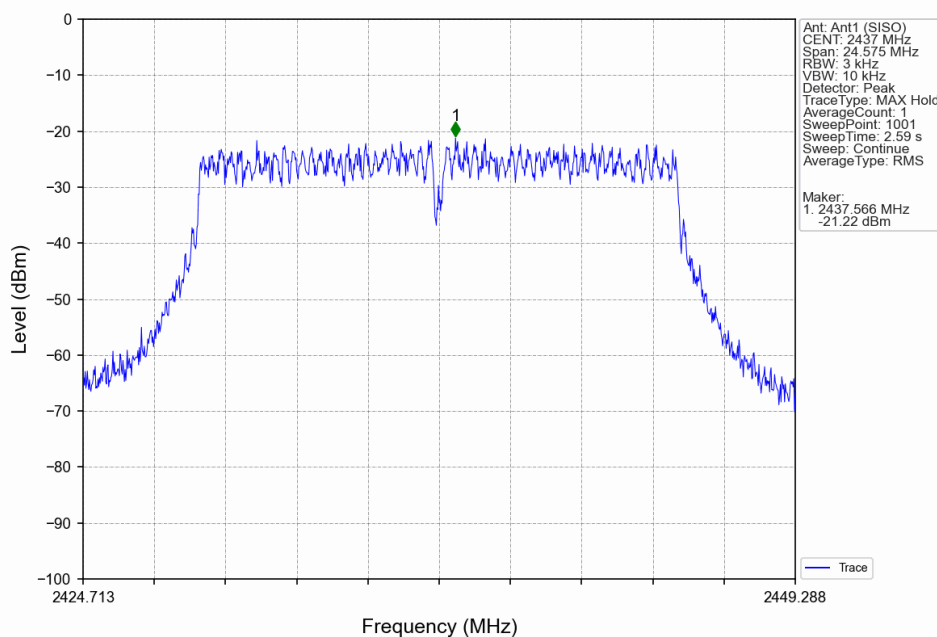
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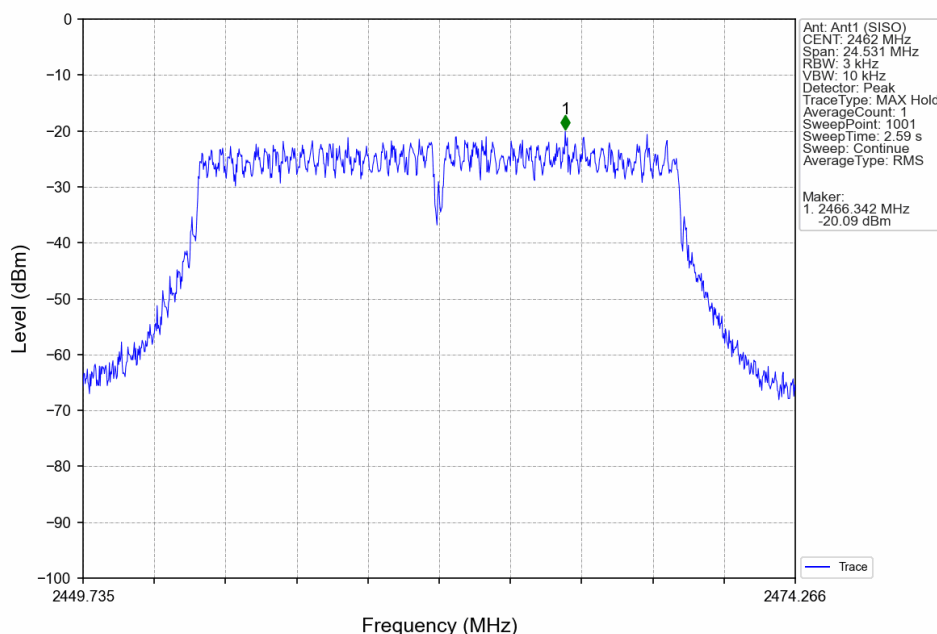
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802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



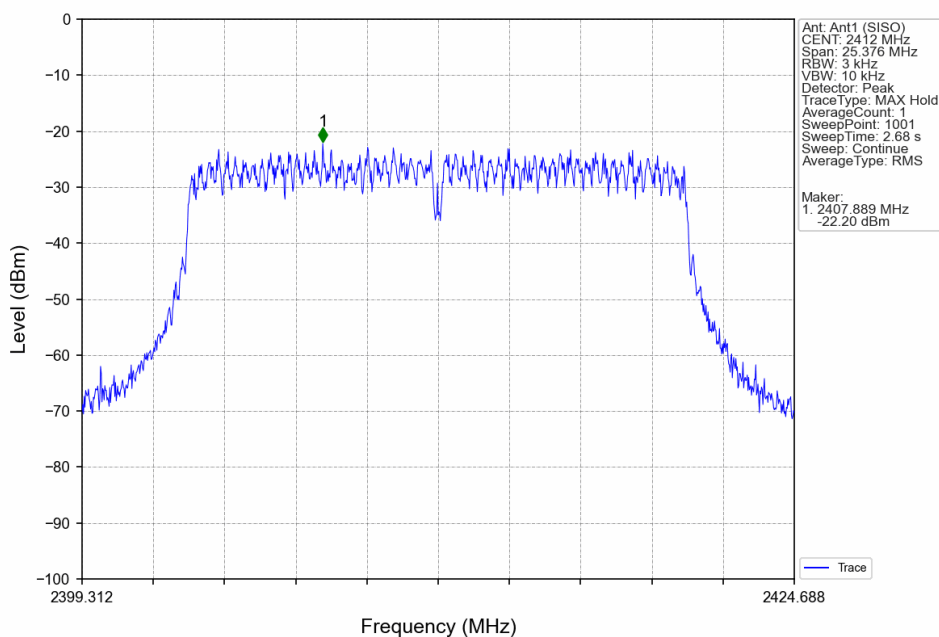
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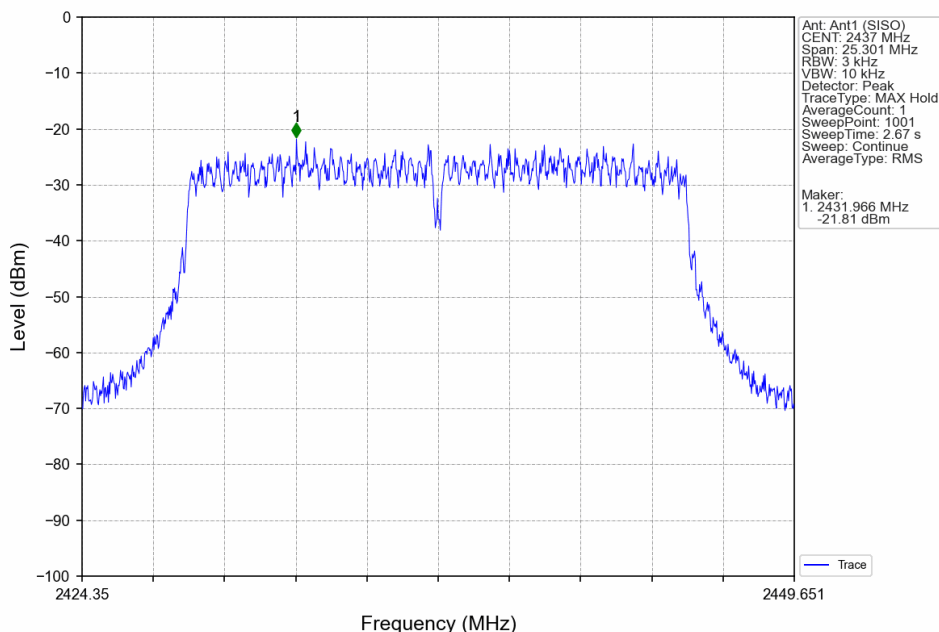
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802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



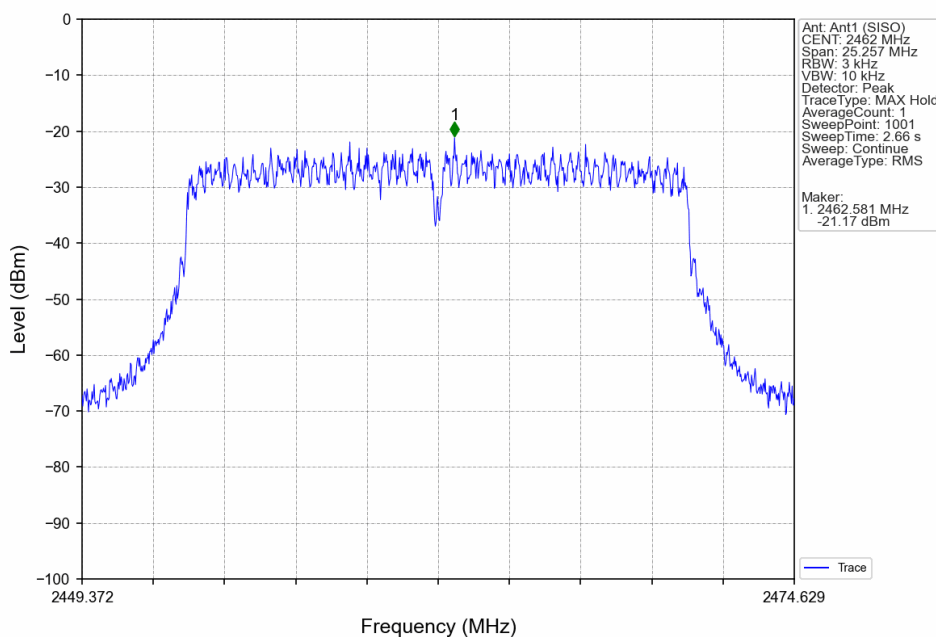
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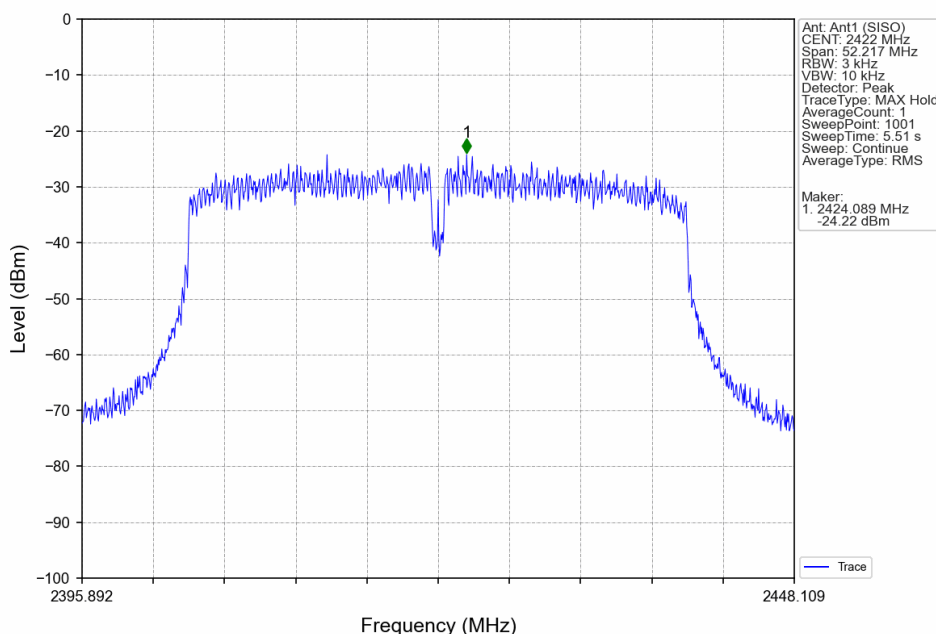
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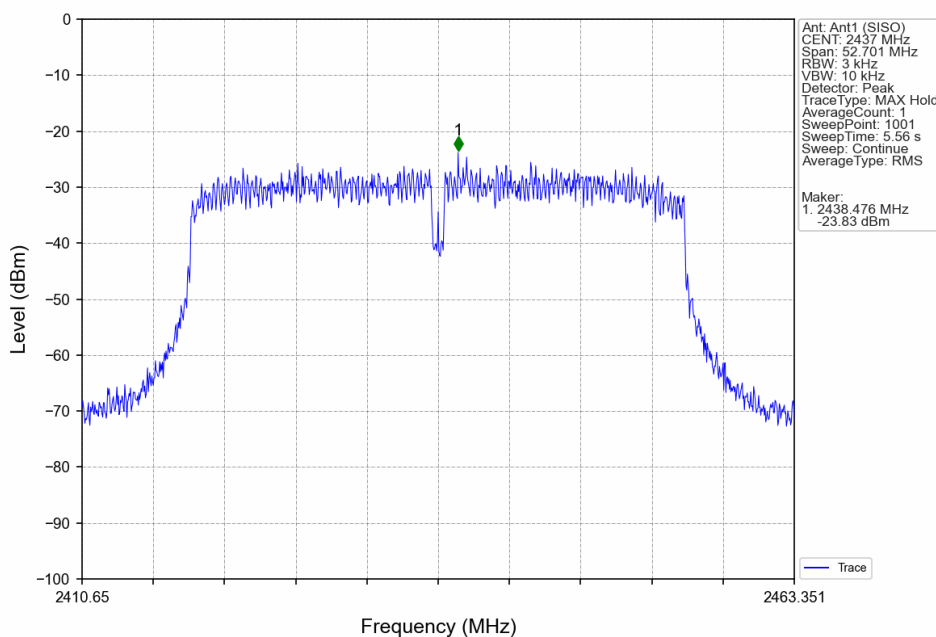
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



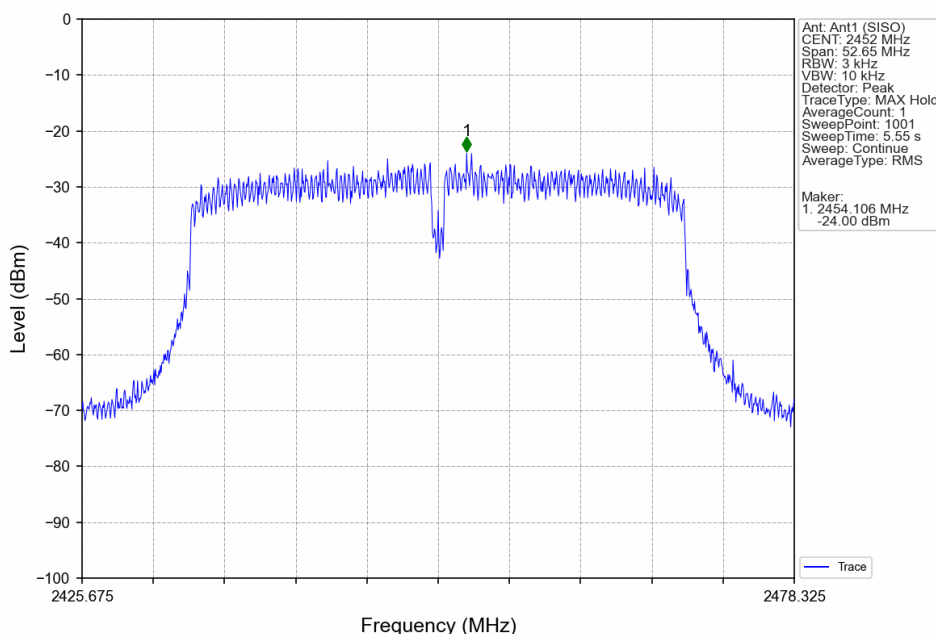
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802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Test Result

5.1.1 Ref

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	-2.37
		2437	1	-3.03
		2462	1	-2.45
802.11g	SISO	2412	1	-6.28
		2437	1	-6.79
		2462	1	-6.47
802.11n (HT20)	SISO	2412	1	-7.85
		2437	1	-7.86
		2462	1	-7.13
802.11n (HT40)	SISO	2422	1	-10.56
		2437	1	-10.58
		2452	1	-10.28

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 CSE and Band Edges

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	-2.37	-22.37	Pass
		2437	1	-2.37	-22.37	Pass
		2462	1	-2.37	-22.37	Pass
802.11g	SISO	2412	1	-6.28	-26.28	Pass
		2437	1	-6.28	-26.28	Pass
		2462	1	-6.28	-26.28	Pass
802.11n (HT20)	SISO	2412	1	-7.13	-27.13	Pass
		2437	1	-7.13	-27.13	Pass
		2462	1	-7.13	-27.13	Pass
802.11n (HT40)	SISO	2422	1	-10.28	-30.28	Pass
		2437	1	-10.28	-30.28	Pass
		2452	1	-10.28	-30.28	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.



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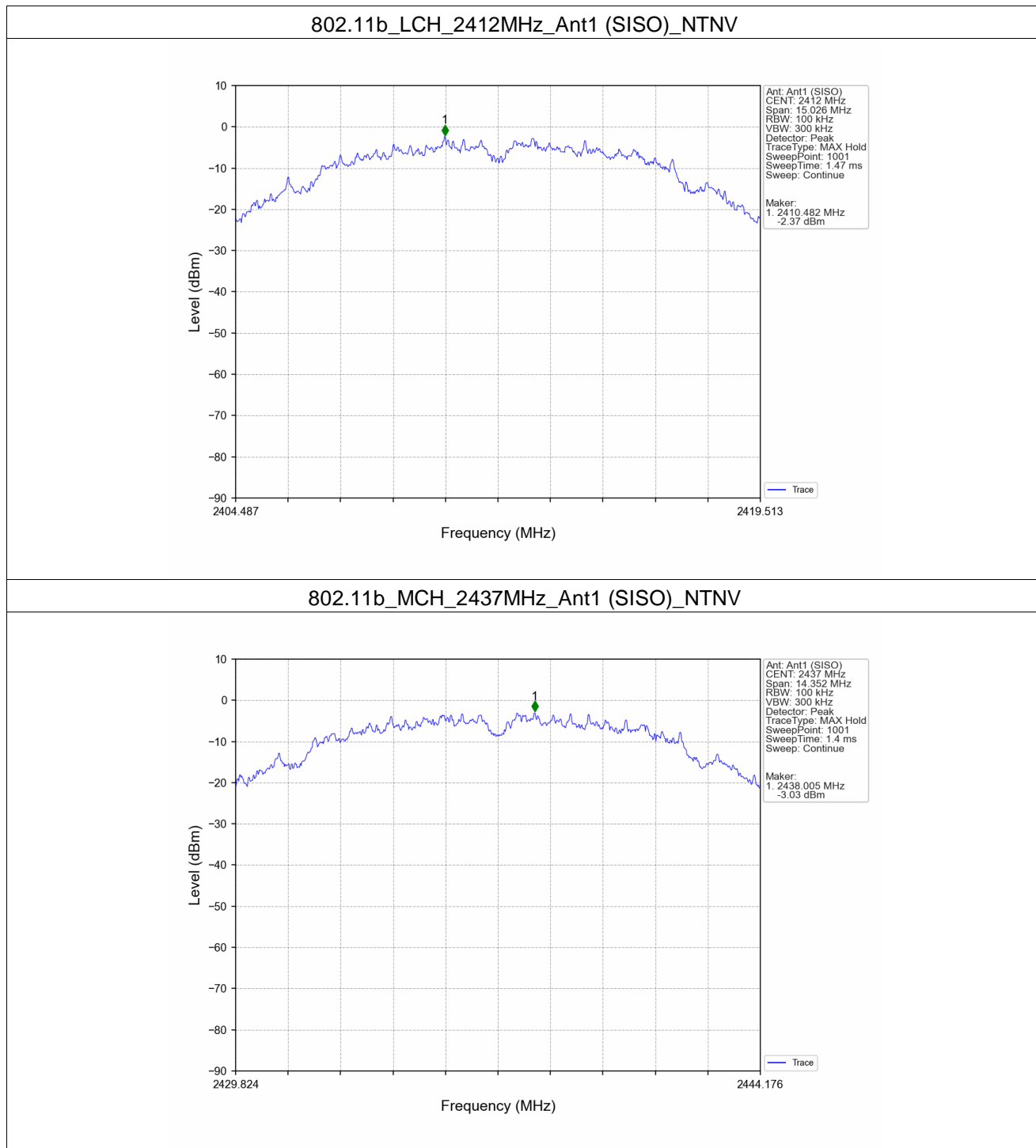
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5.2 Test Graph

5.2.1 Ref



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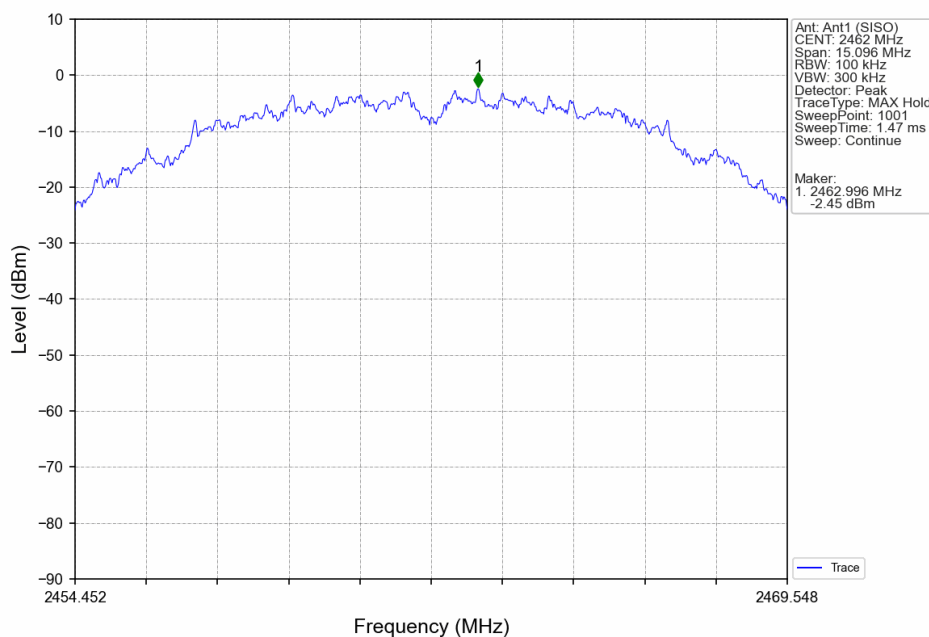
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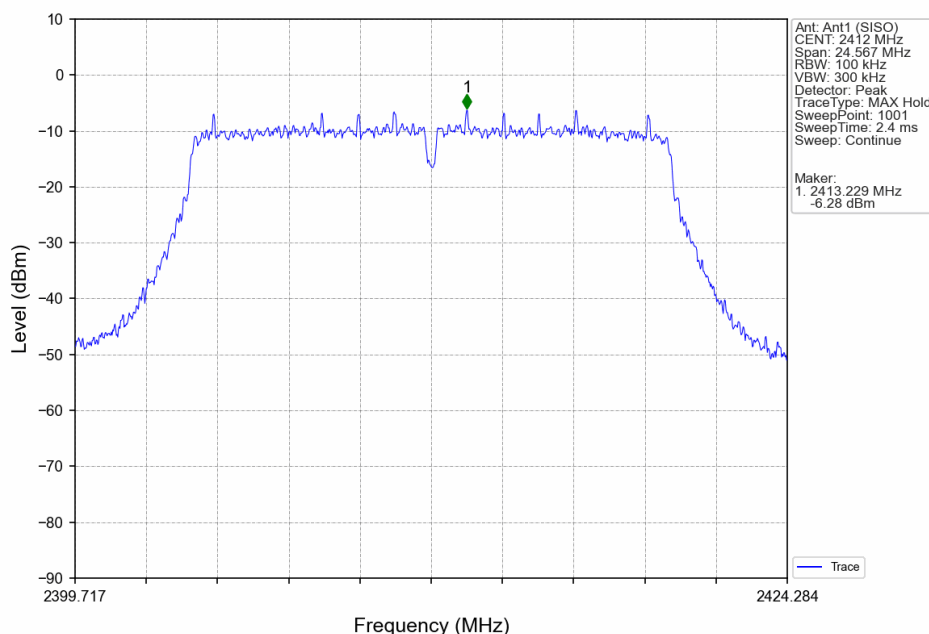
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802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



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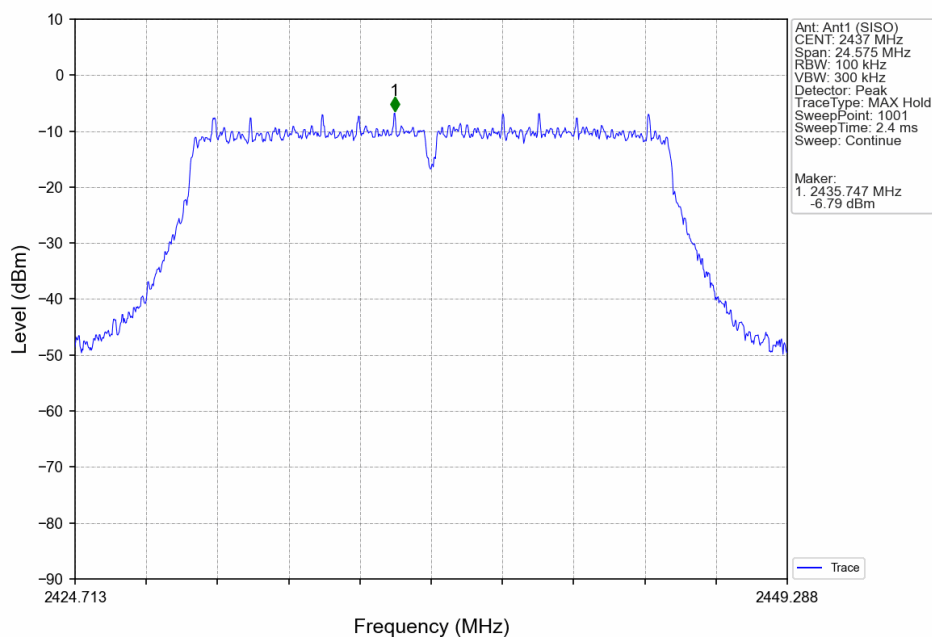
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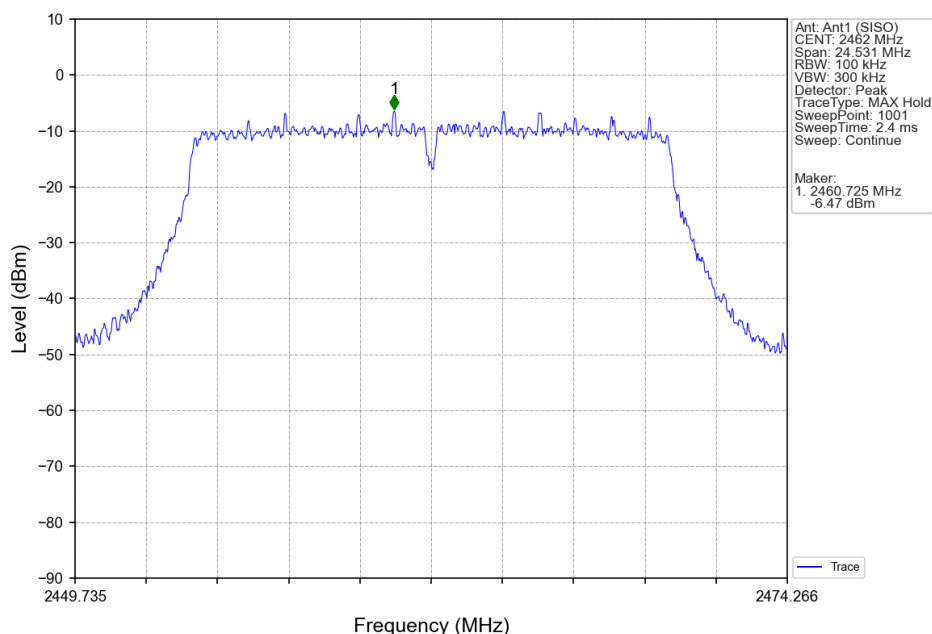
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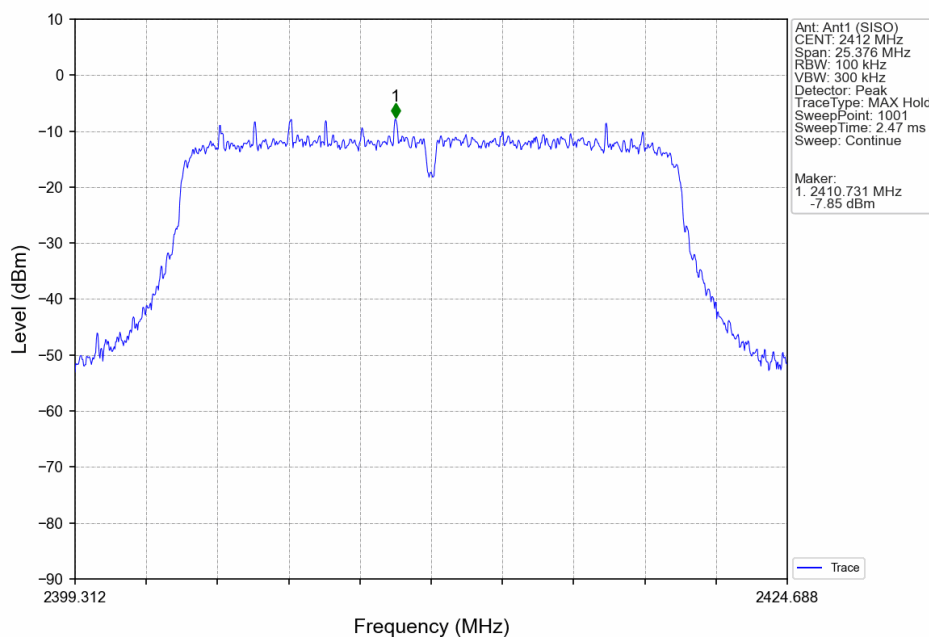
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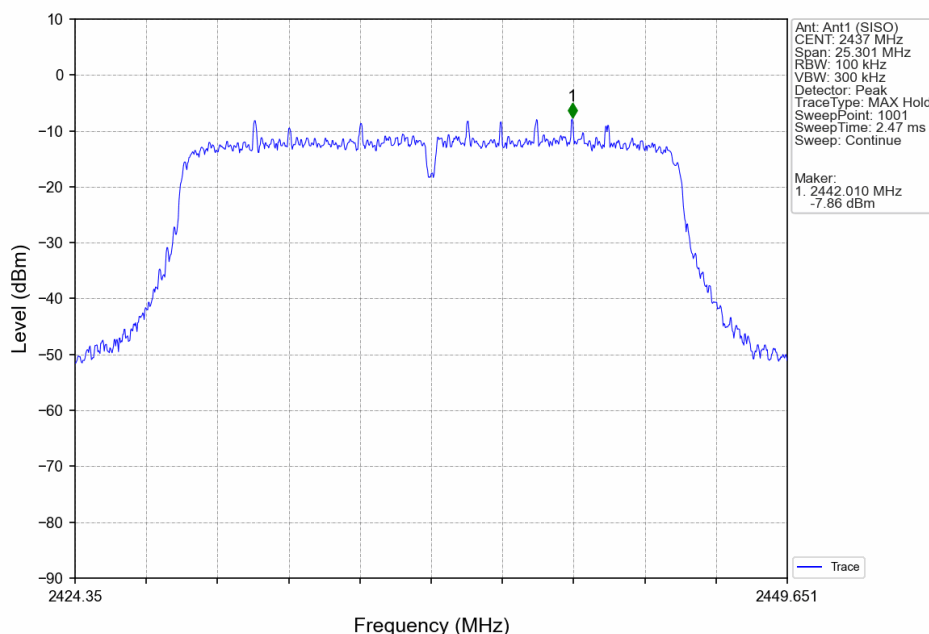
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802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



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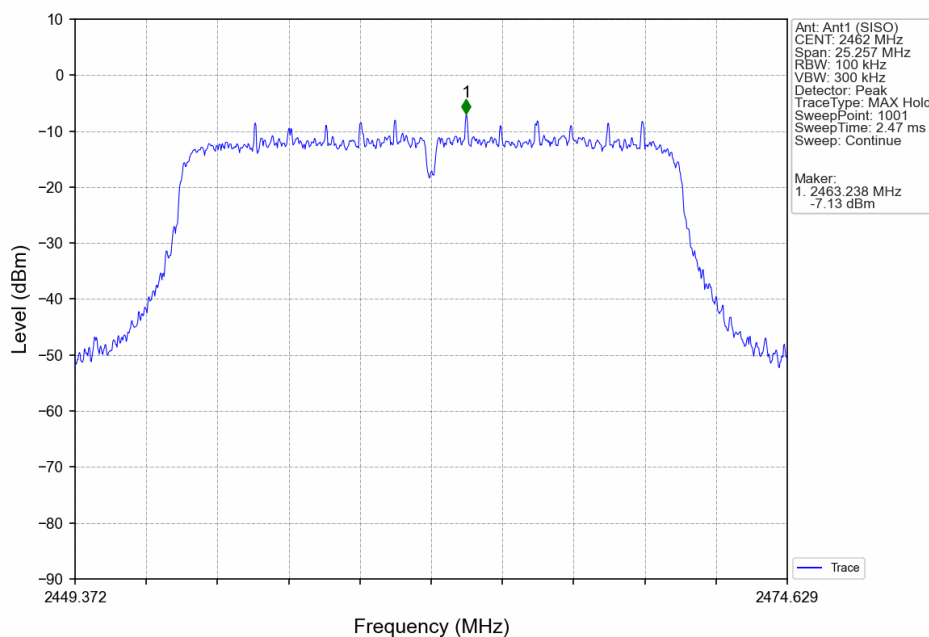
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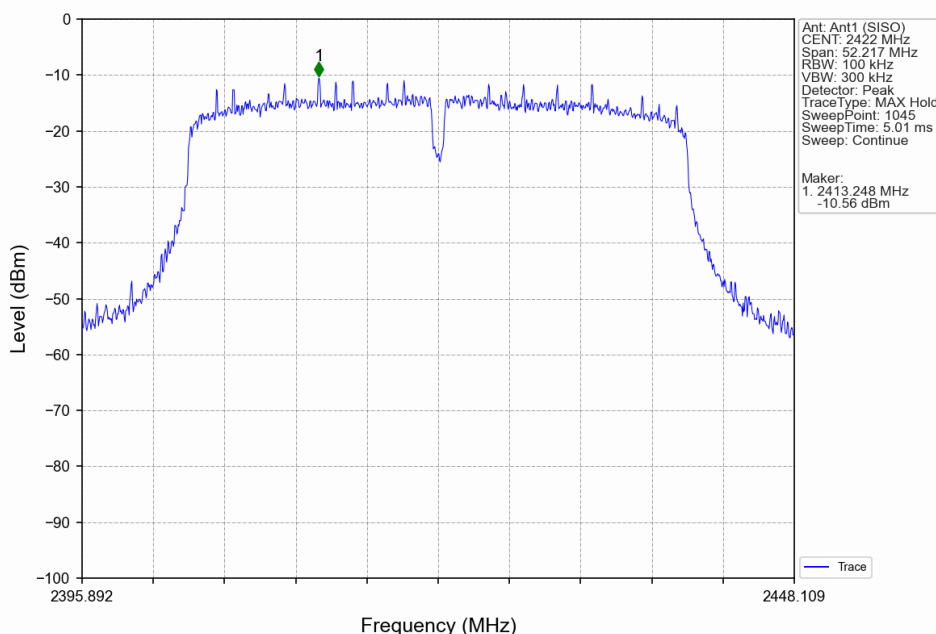
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802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



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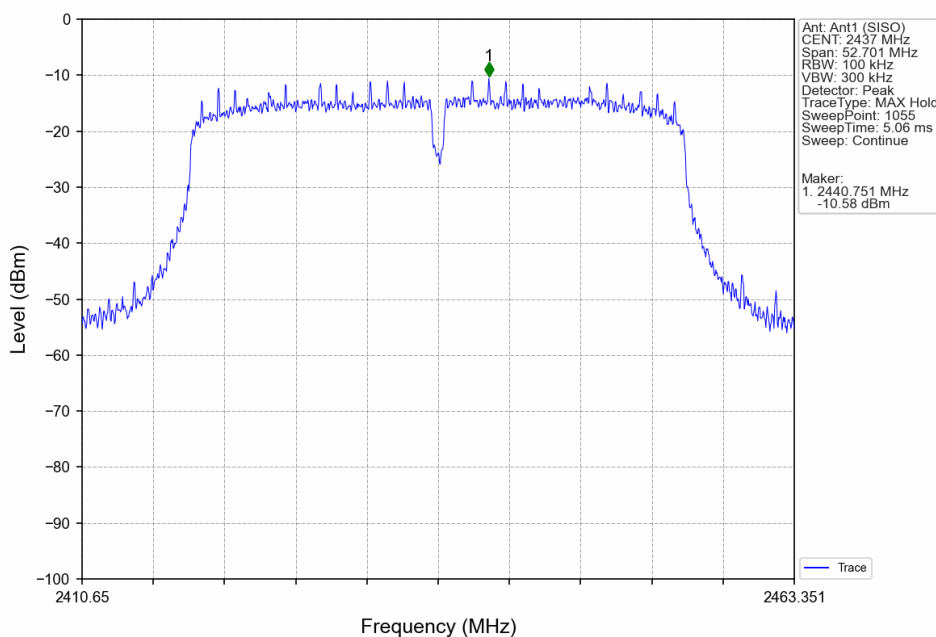
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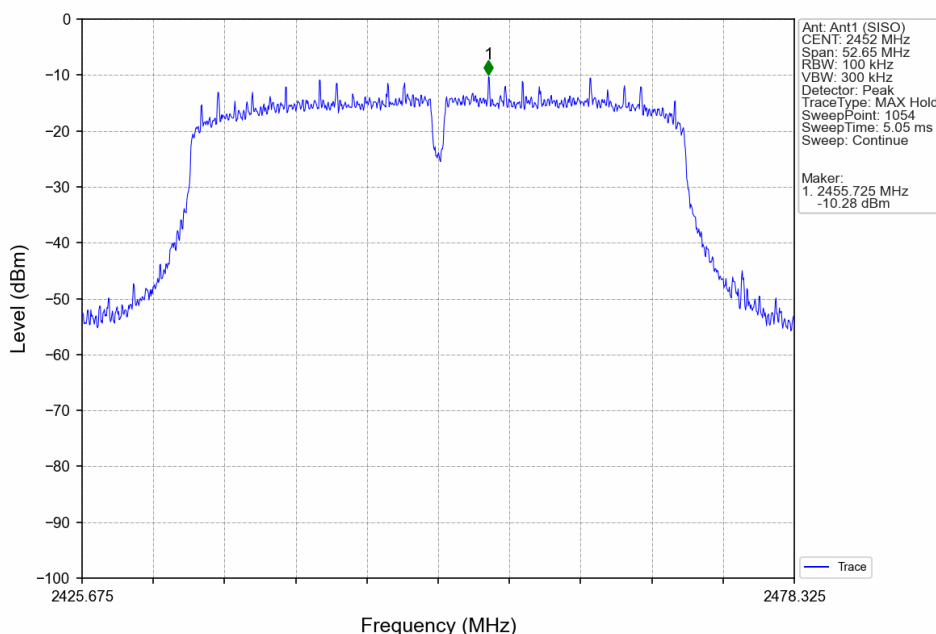
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802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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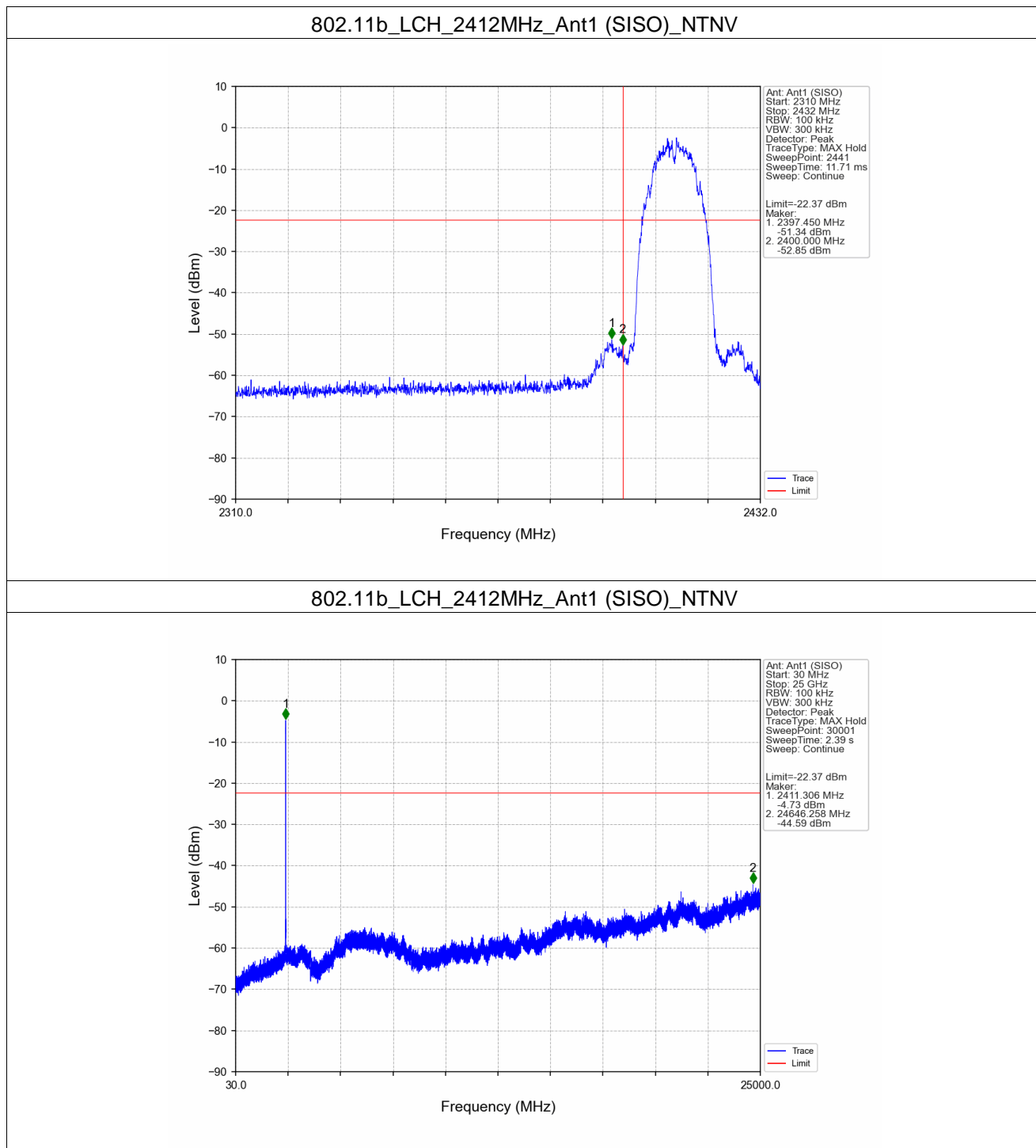
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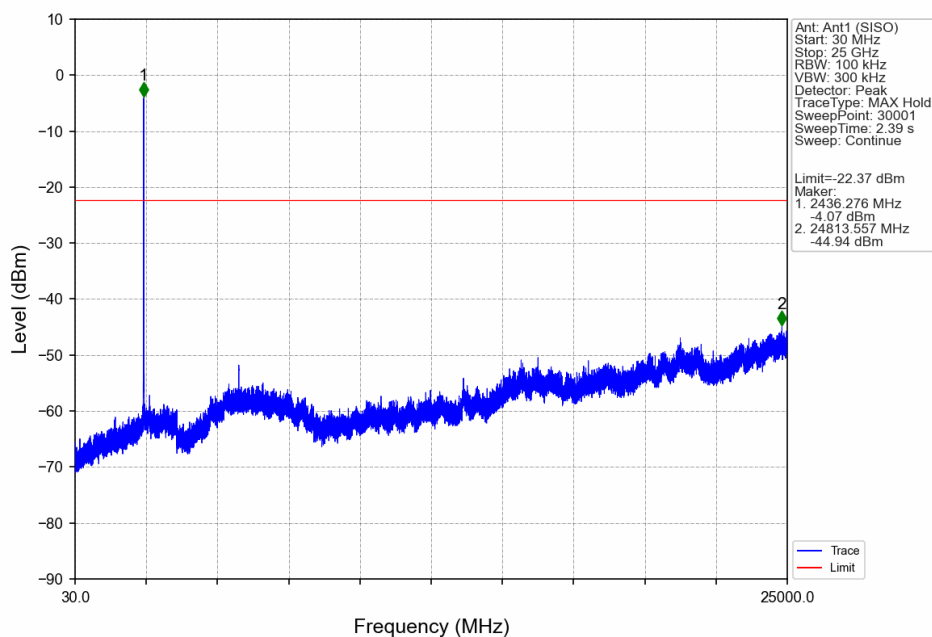
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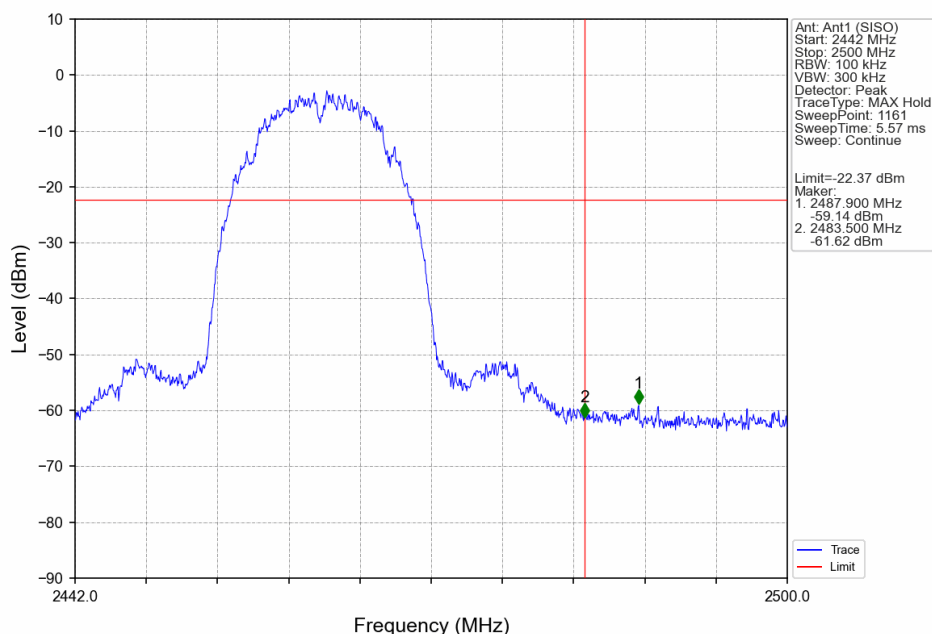
5.2.2 CSE and Band edges



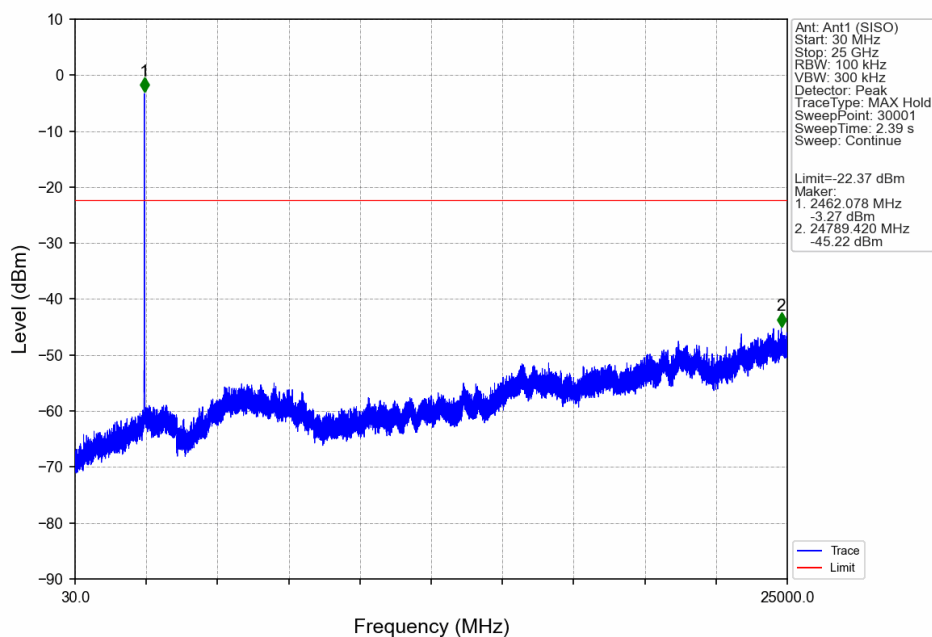
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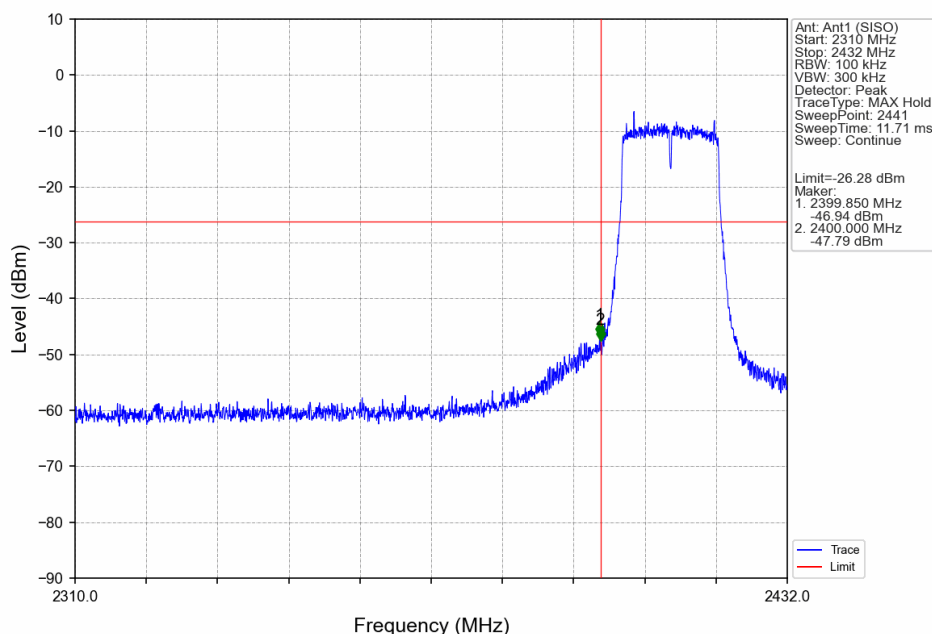
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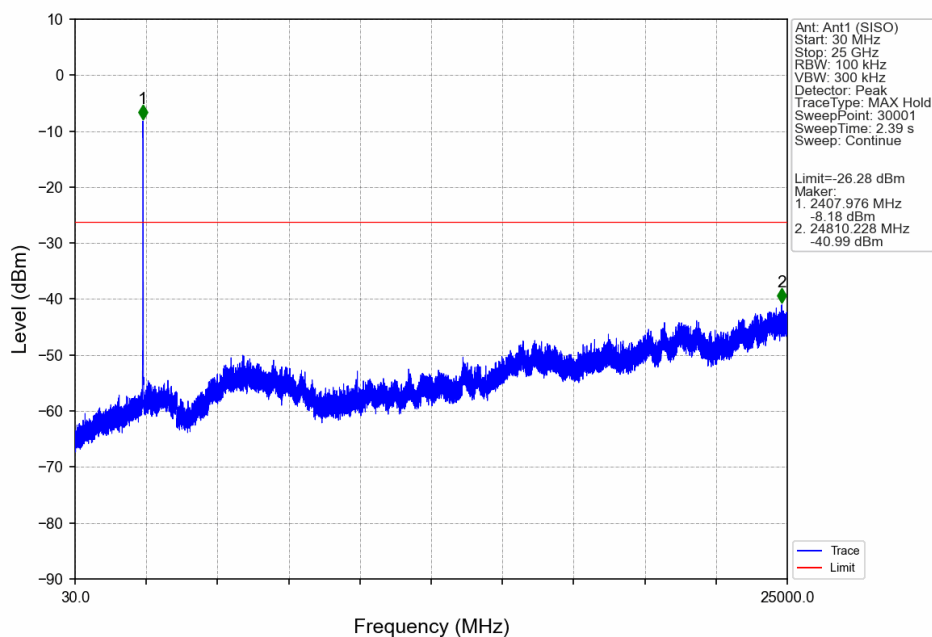
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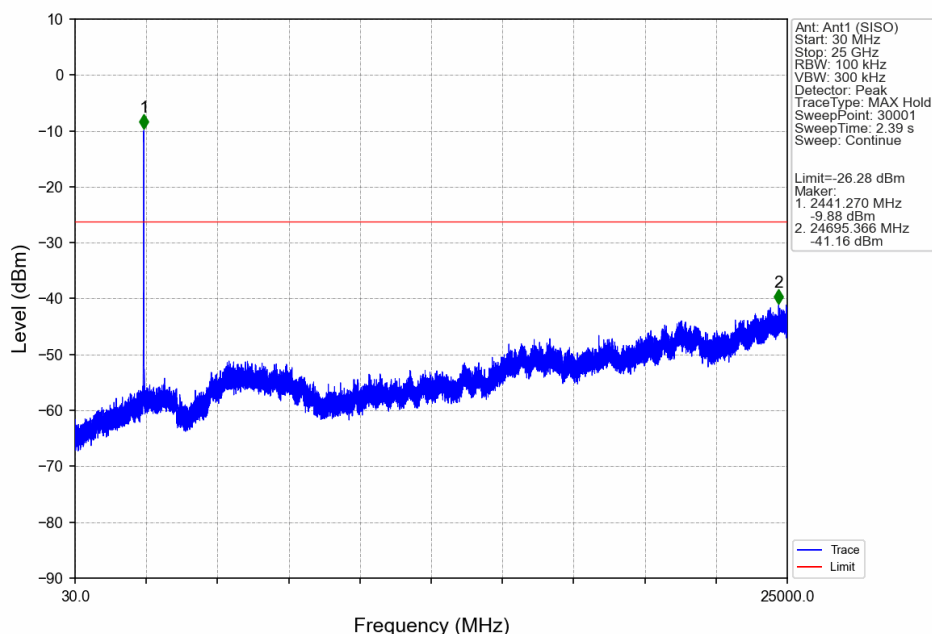
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802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



802.11g_MCH_2437MHz_Ant1 (SISO)_NTNV



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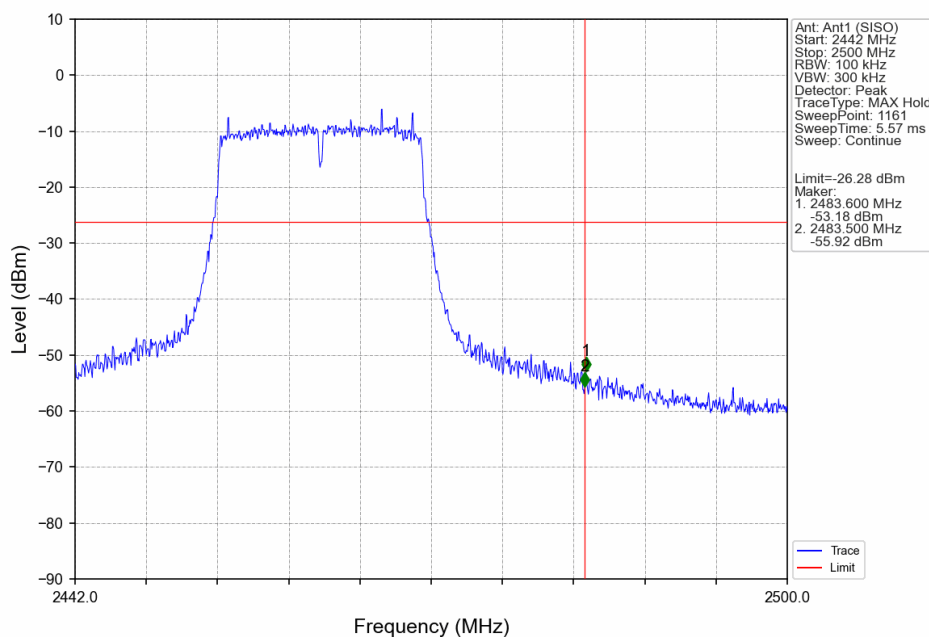
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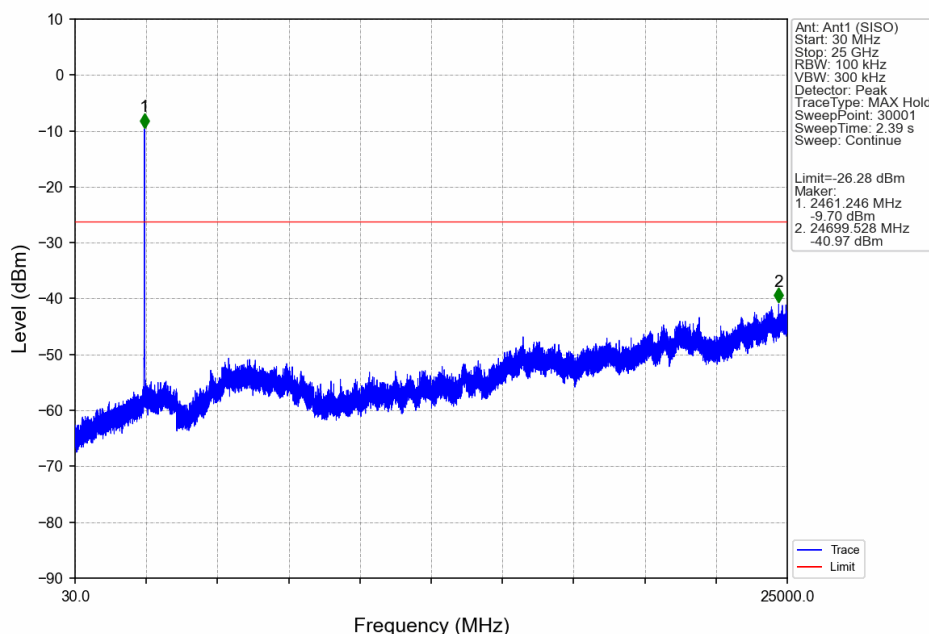
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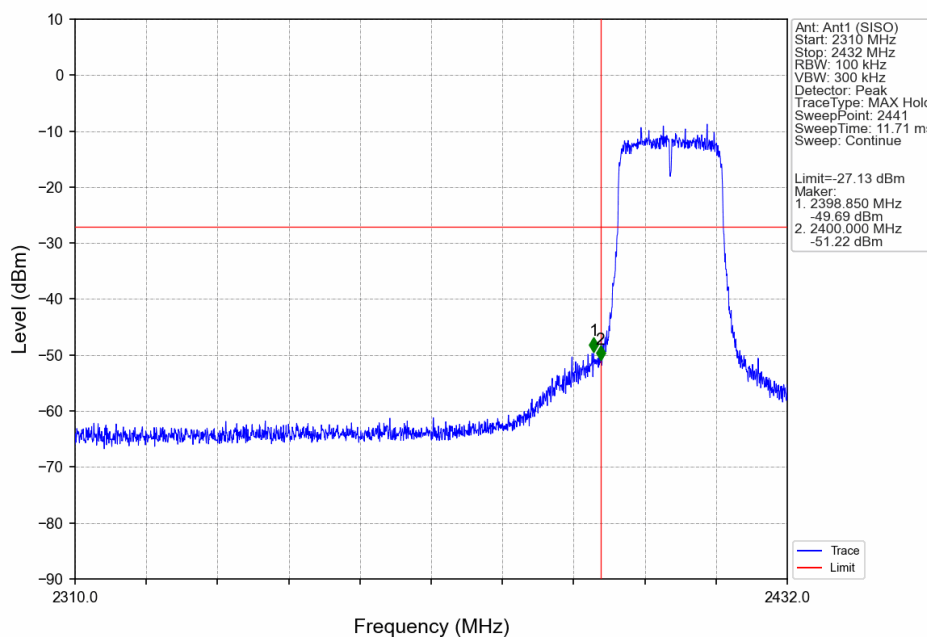
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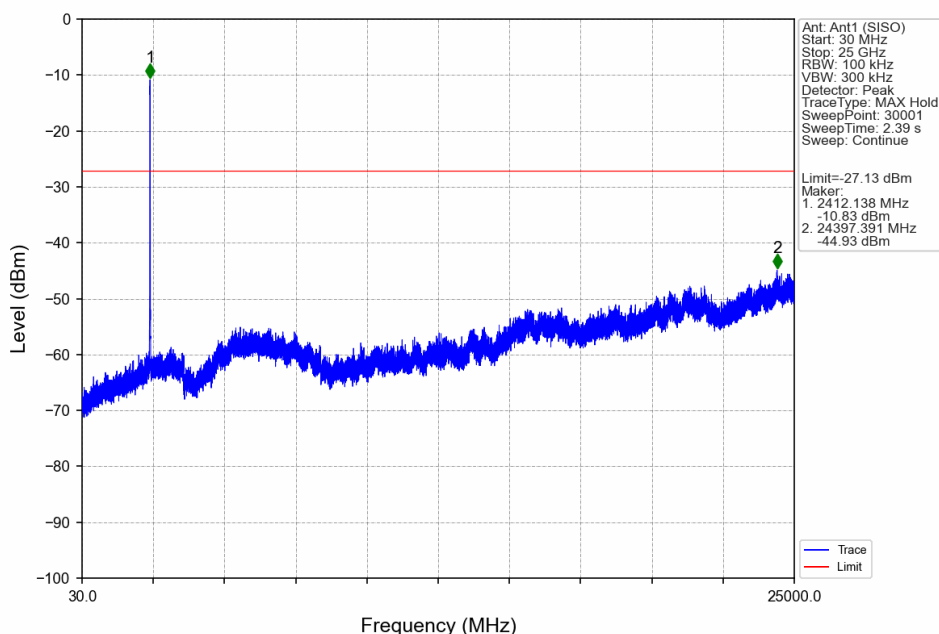
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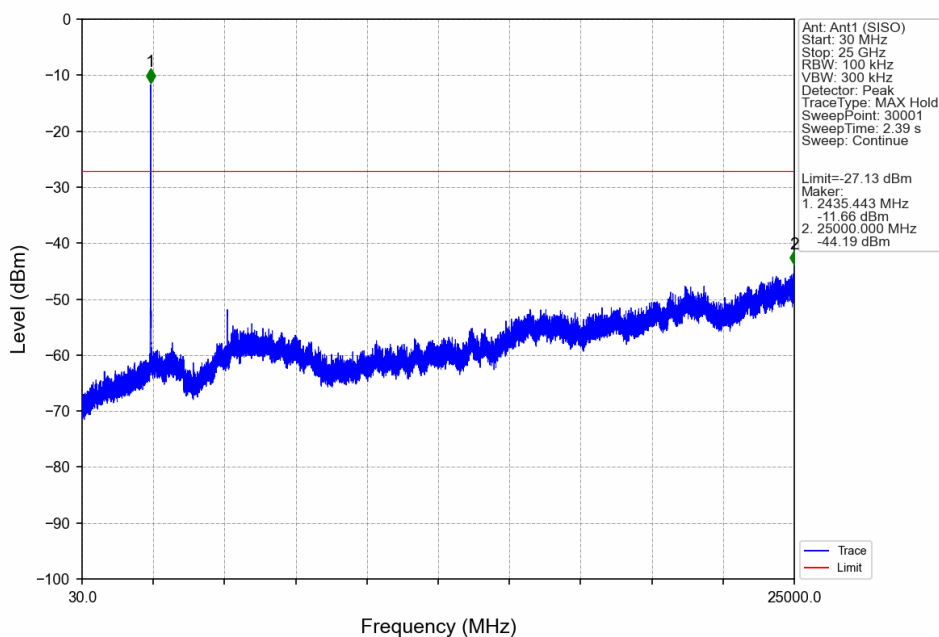
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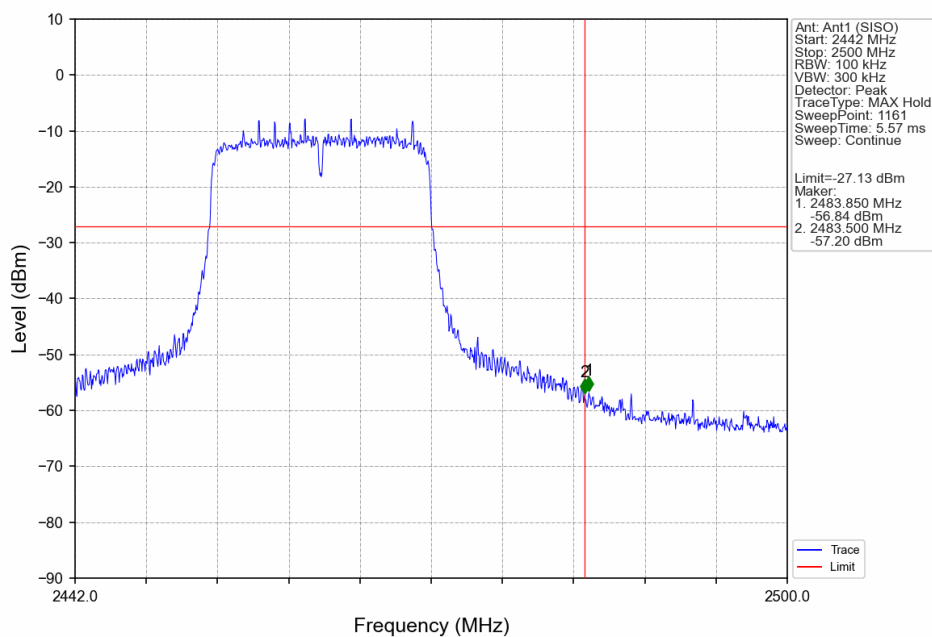
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802.11n(HT20)_MCH_2437MHz_Ant1 (SISO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



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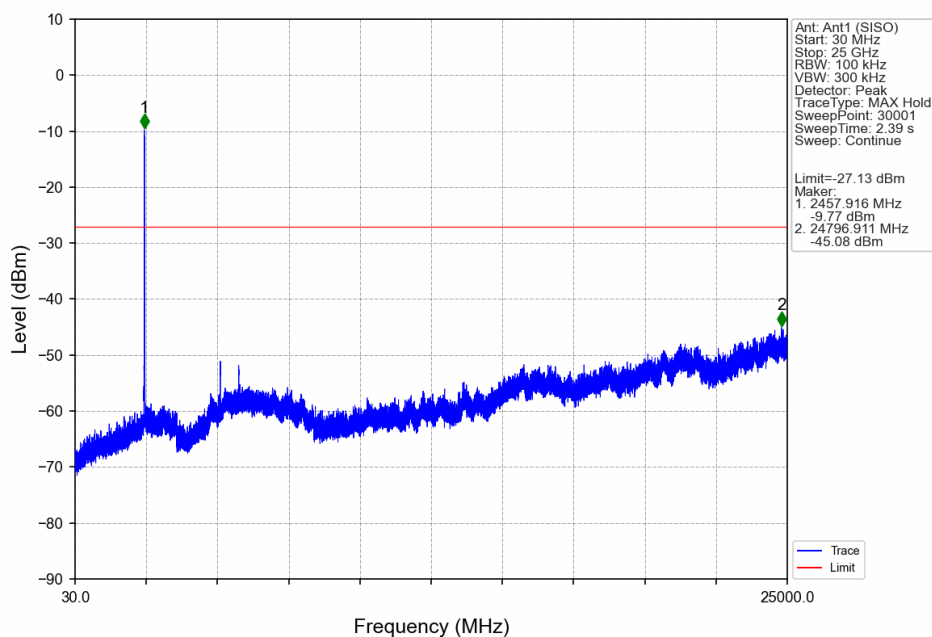
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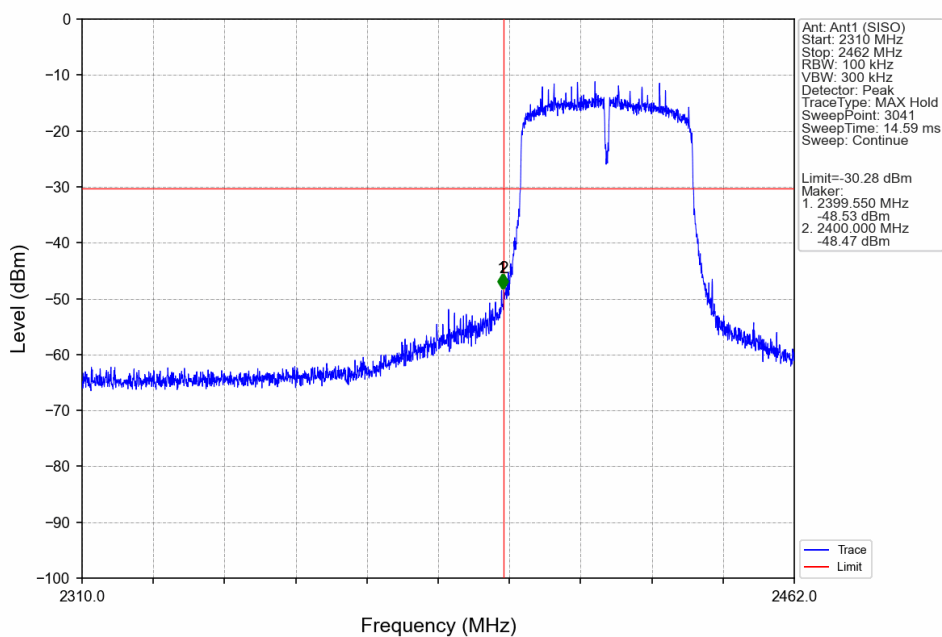
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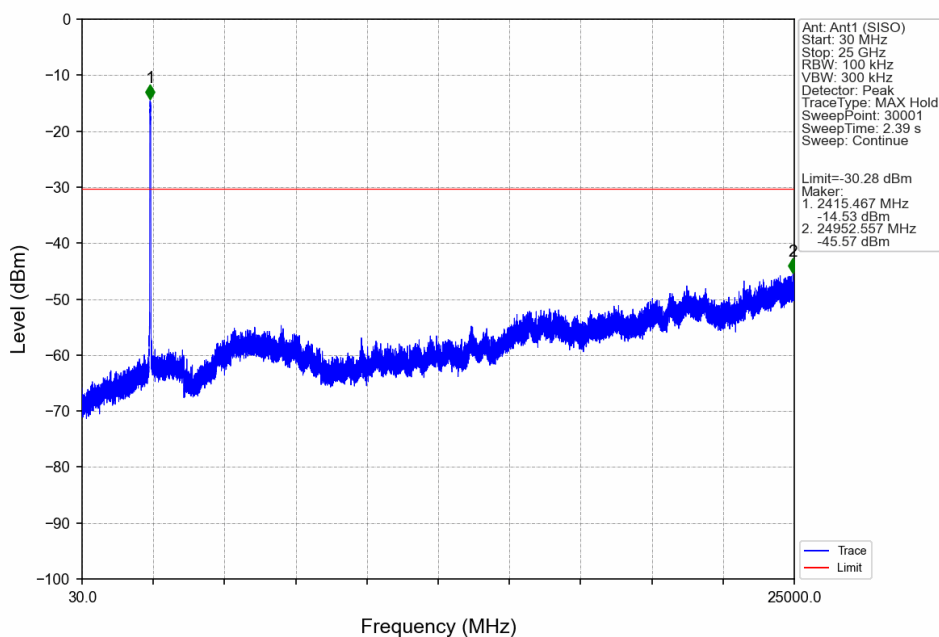
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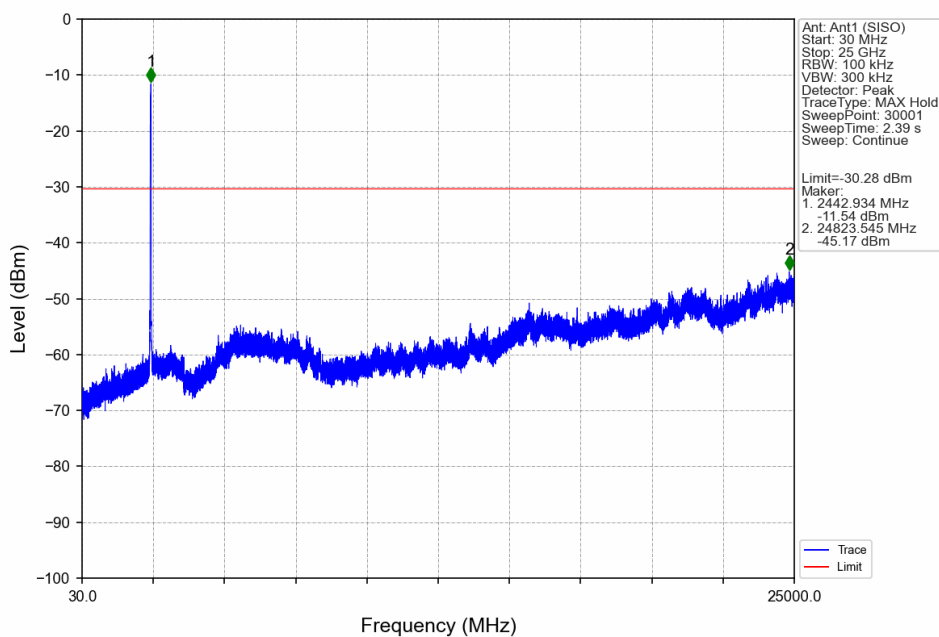
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (SISO)_NTNV



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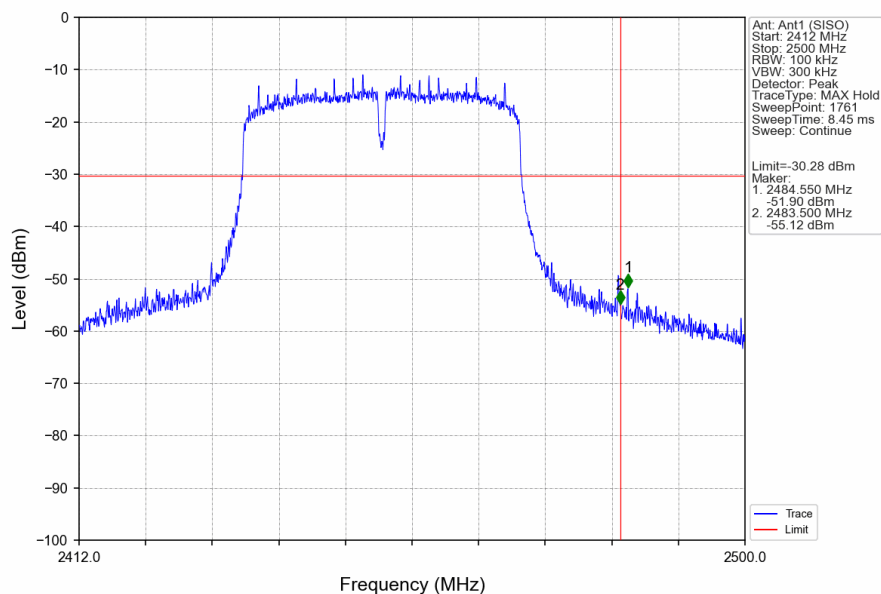
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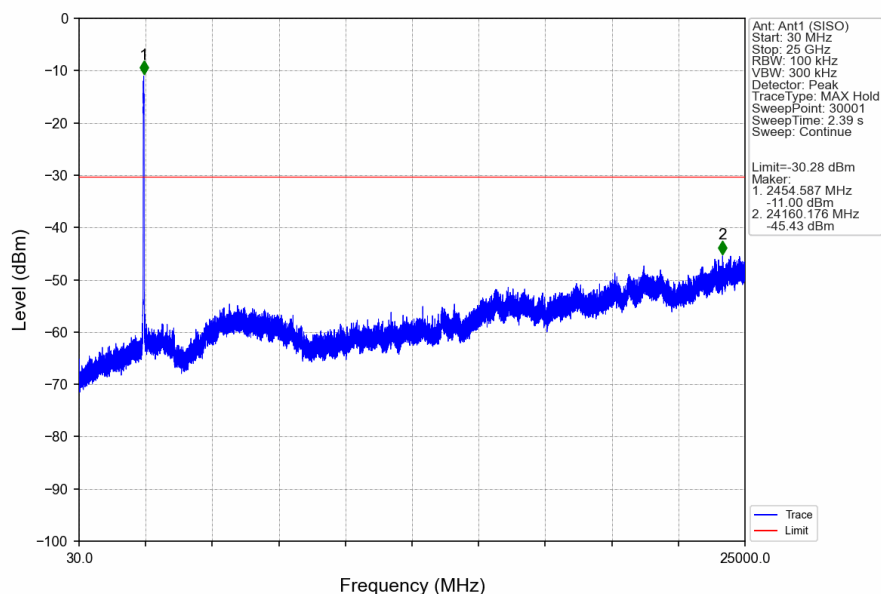
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802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



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- End of the Report -



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