

10 Appendix

1. Duty Cycle

1.1 Ant1

1.1.1 Test Result

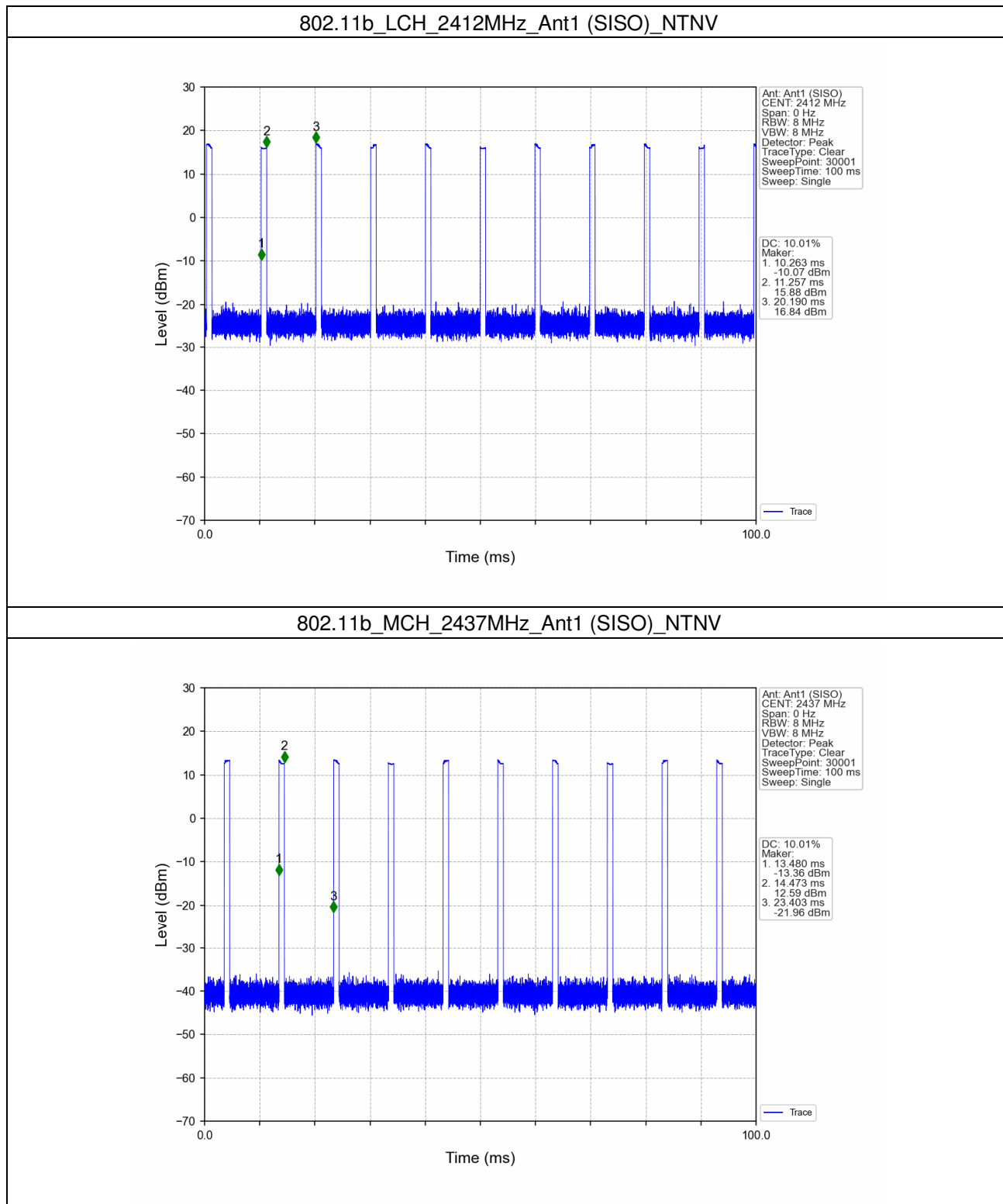
Ant1							
Mode	TX Type	Frequency (MHz)	T _{on} (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	SISO	2412	0.994	9.927	10.01	9.99	0.03
		2437	0.993	9.923	10.01	10.00	0.03
		2462	0.994	9.924	10.02	9.99	0.03
802.11g	SISO	2412	0.694	6.978	9.95	10.02	0.04
		2437	0.694	6.977	9.95	10.02	0.03
		2462	0.695	6.979	9.96	10.02	0.04
802.11n (HT20)	SISO	2412	0.657	6.617	9.93	10.03	0.03
		2437	0.658	6.617	9.94	10.02	0.04
		2462	0.657	6.616	9.93	10.03	0.03
802.11n (HT40)	SISO	2422	0.338	3.417	9.89	10.05	0.03
		2437	0.338	3.417	9.89	10.05	0.03
		2452	0.336	3.417	9.83	10.07	0.07



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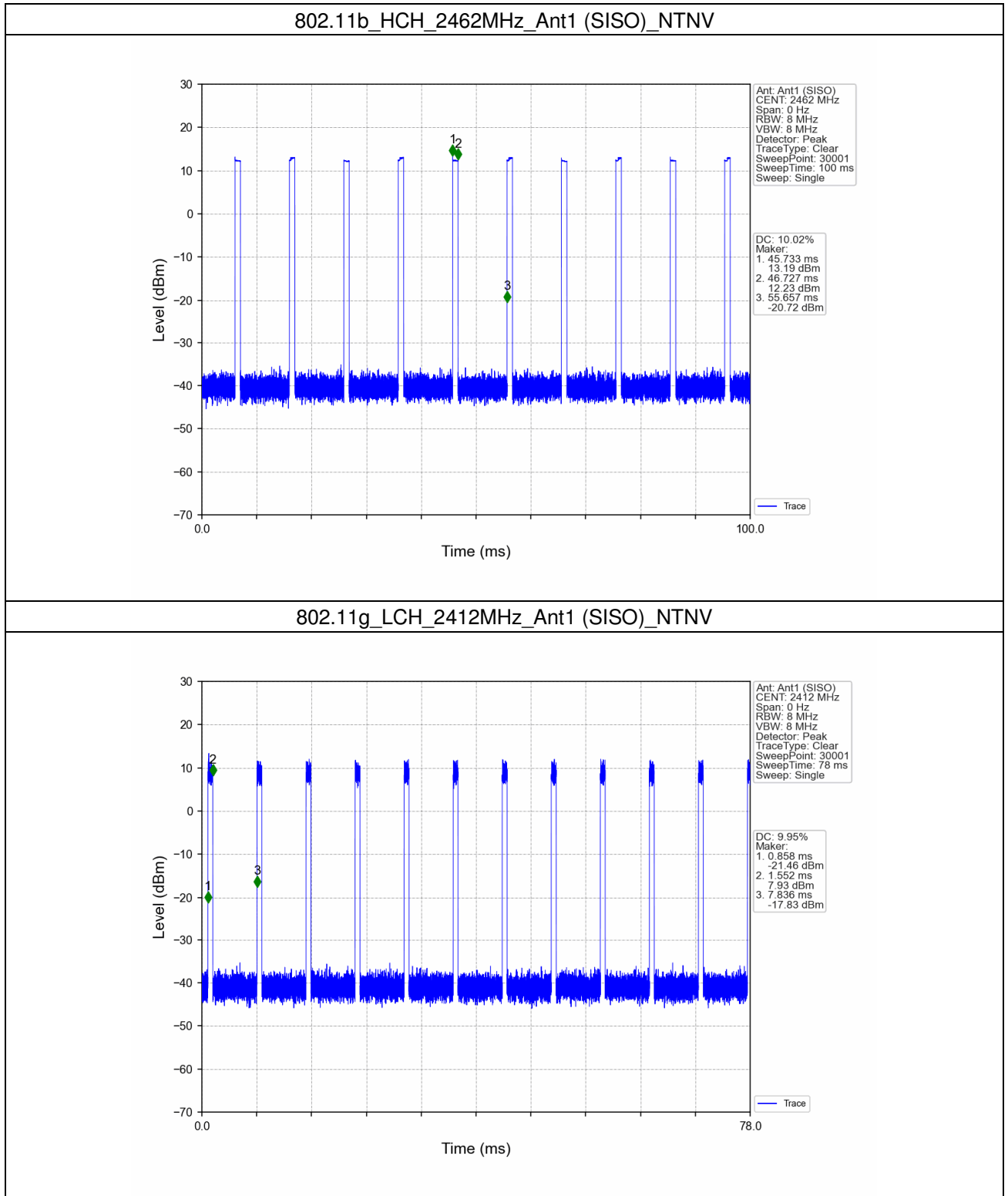
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1.1.2 Test Graph



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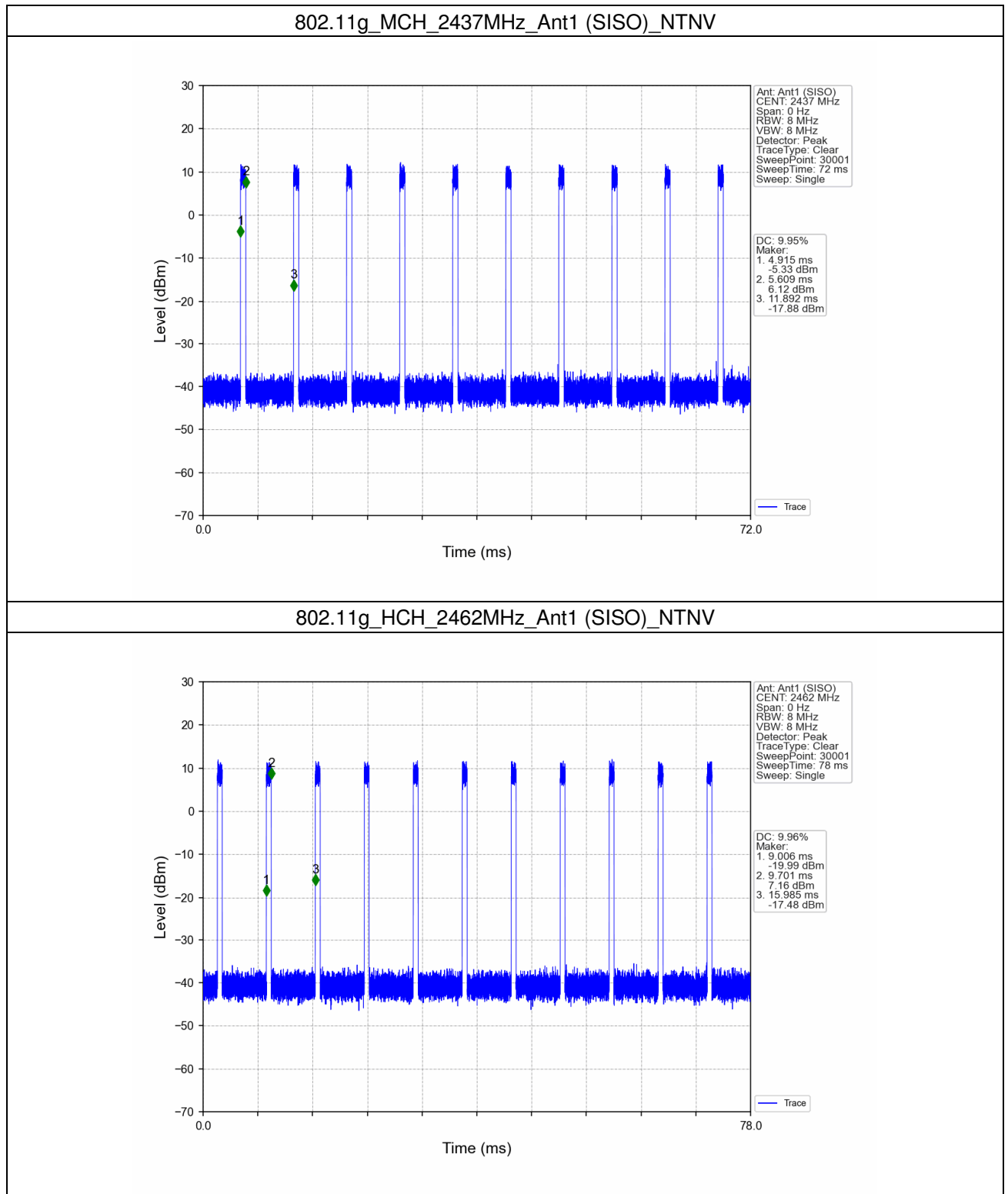
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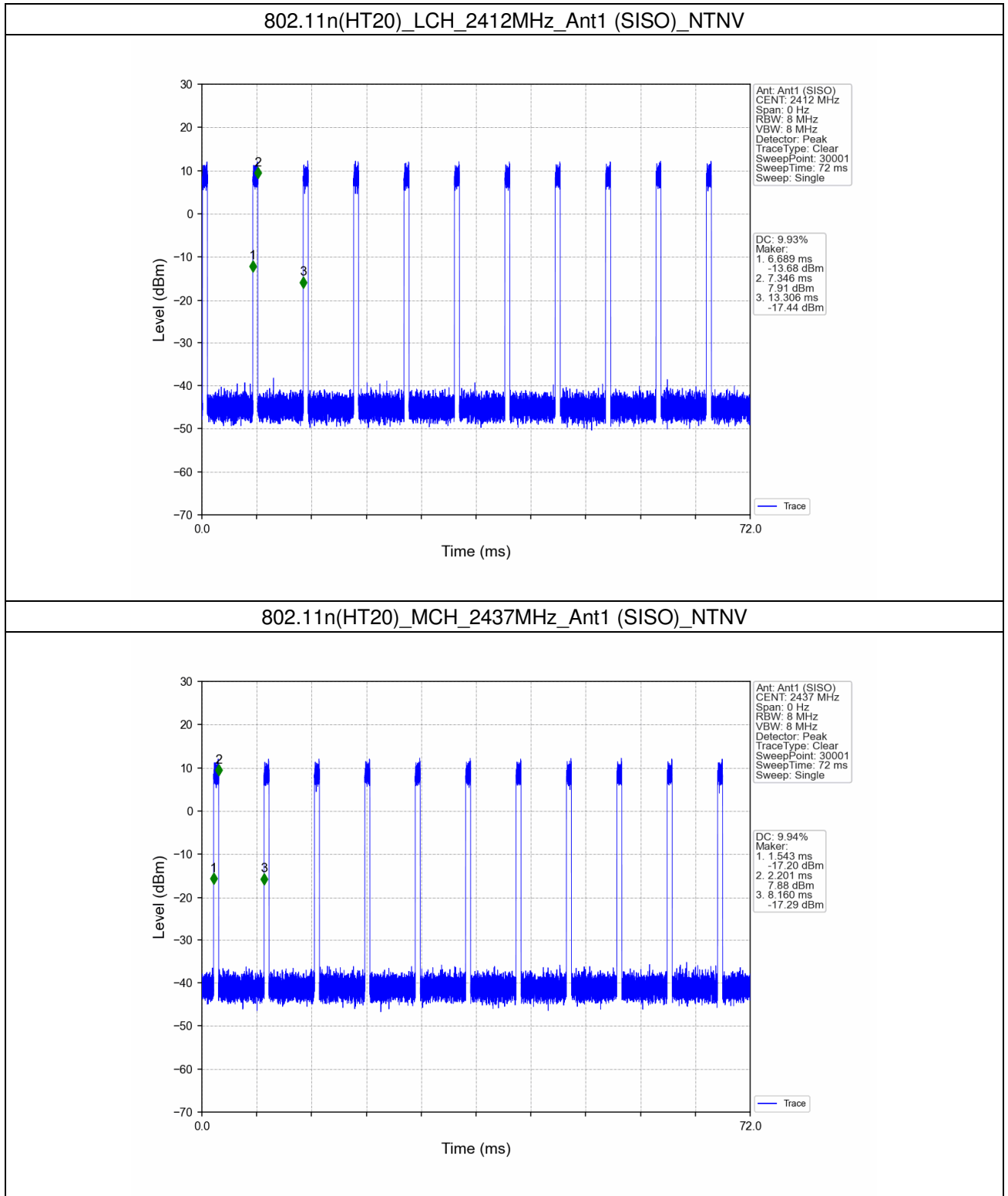
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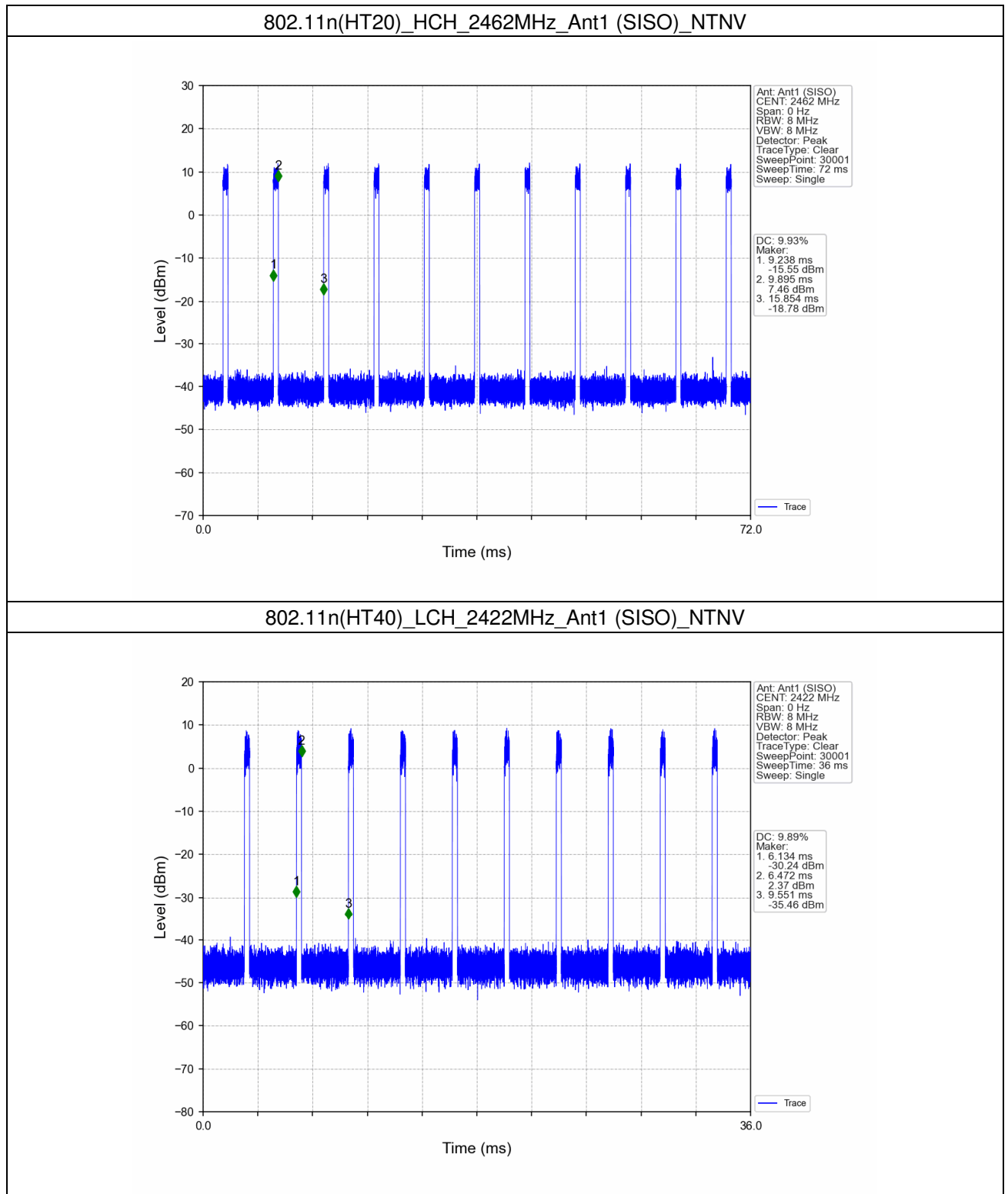
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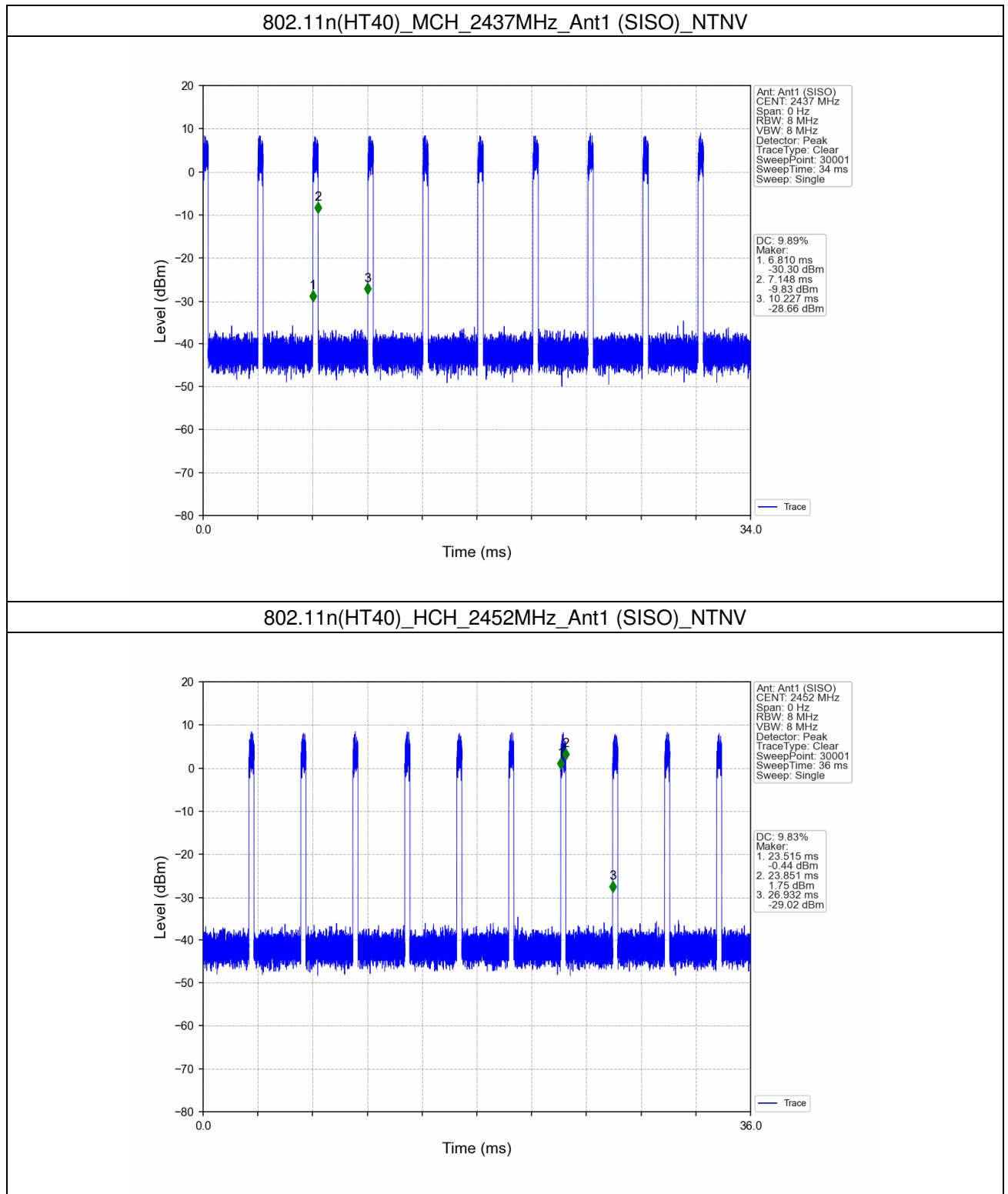
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2. Bandwidth

2.1 6dB BW

2.1.1 Test Result

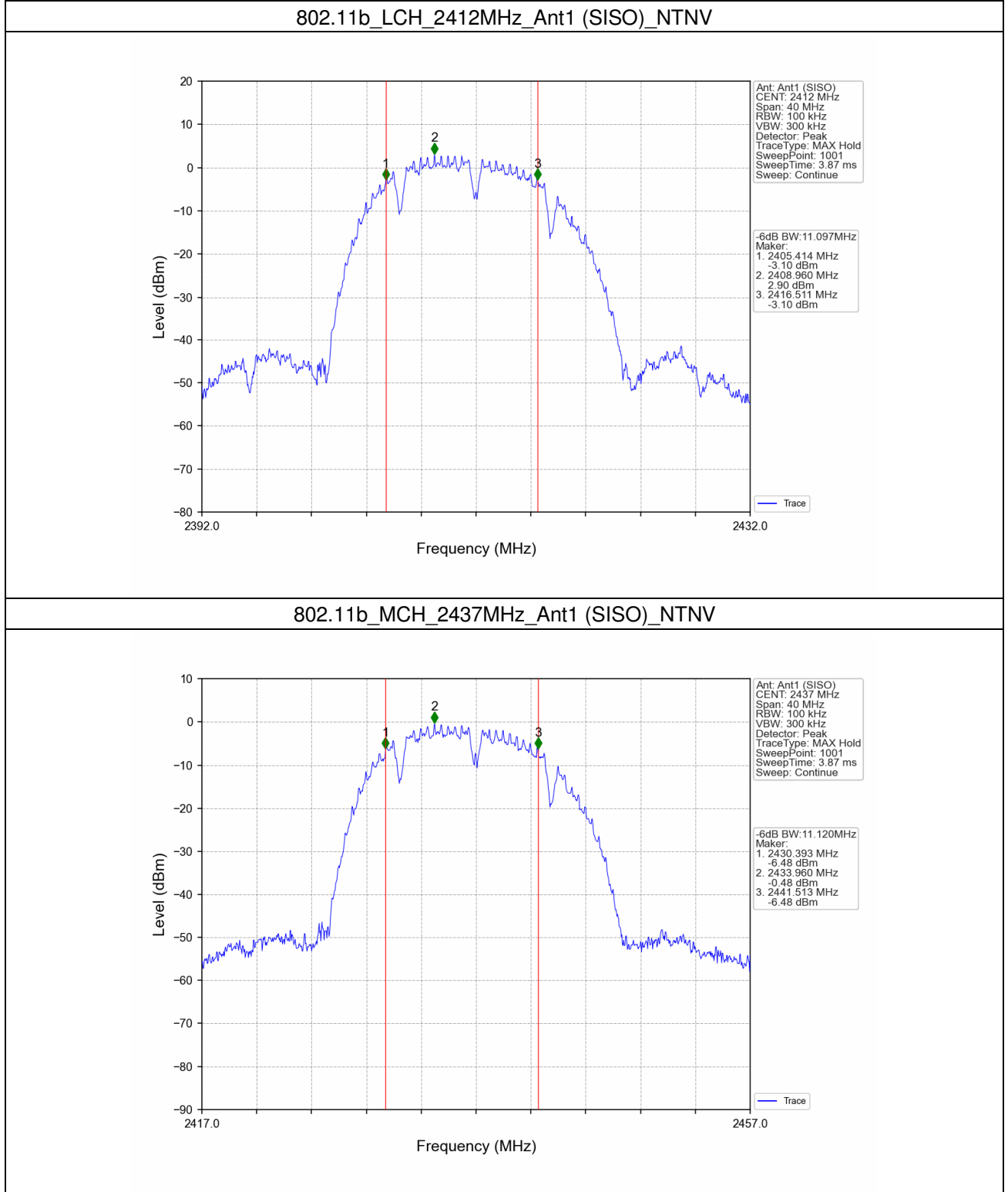
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11b	SISO	2412	1	11.097	>=0.5	Pass
		2437	1	11.120	>=0.5	Pass
		2462	1	11.115	>=0.5	Pass
802.11g	SISO	2412	1	16.940	>=0.5	Pass
		2437	1	16.892	>=0.5	Pass
		2462	1	16.652	>=0.5	Pass
802.11n (HT20)	SISO	2412	1	18.276	>=0.5	Pass
		2437	1	18.304	>=0.5	Pass
		2462	1	18.270	>=0.5	Pass
802.11n (HT40)	SISO	2422	1	35.131	>=0.5	Pass
		2437	1	33.890	>=0.5	Pass
		2452	1	33.935	>=0.5	Pass

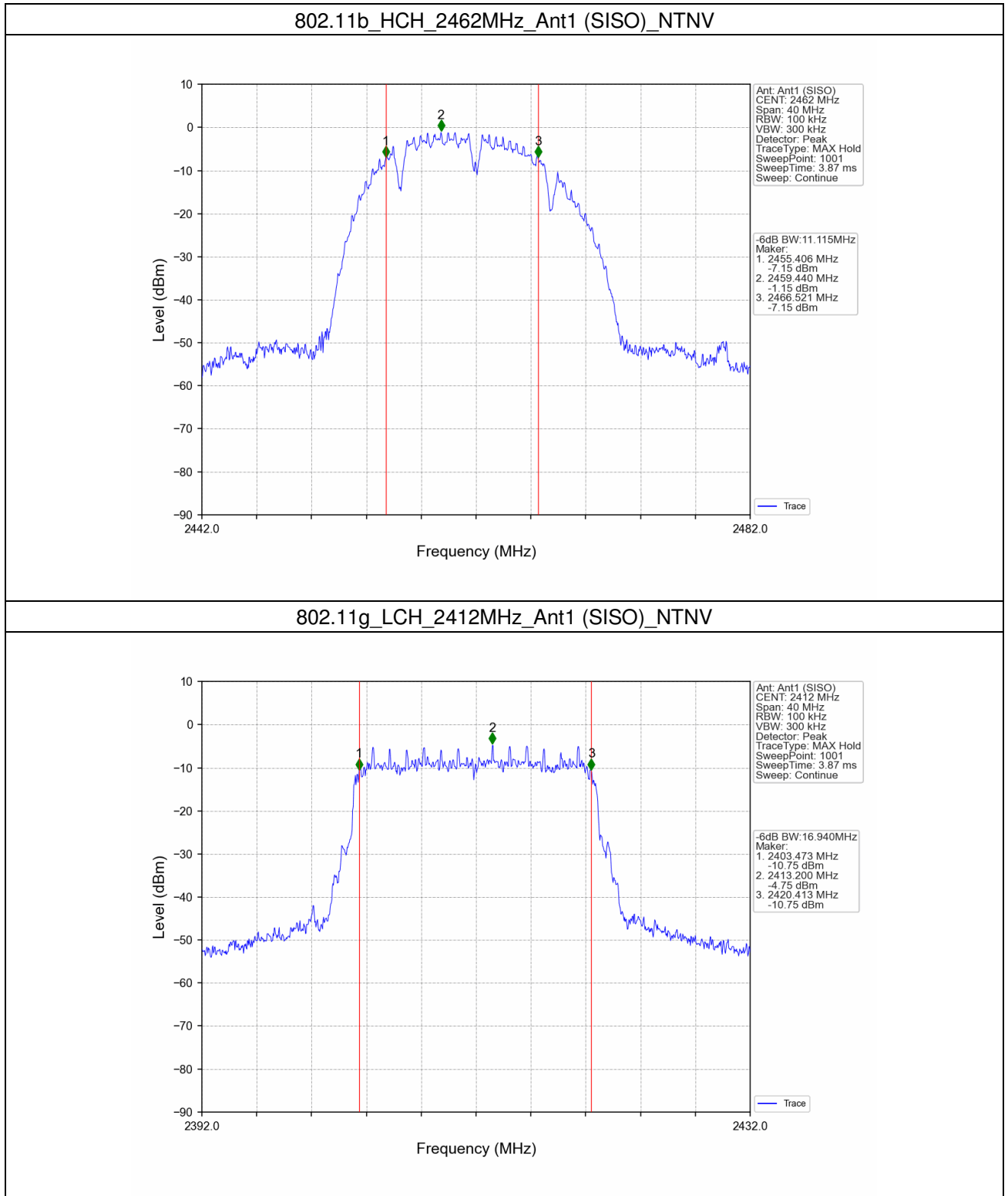


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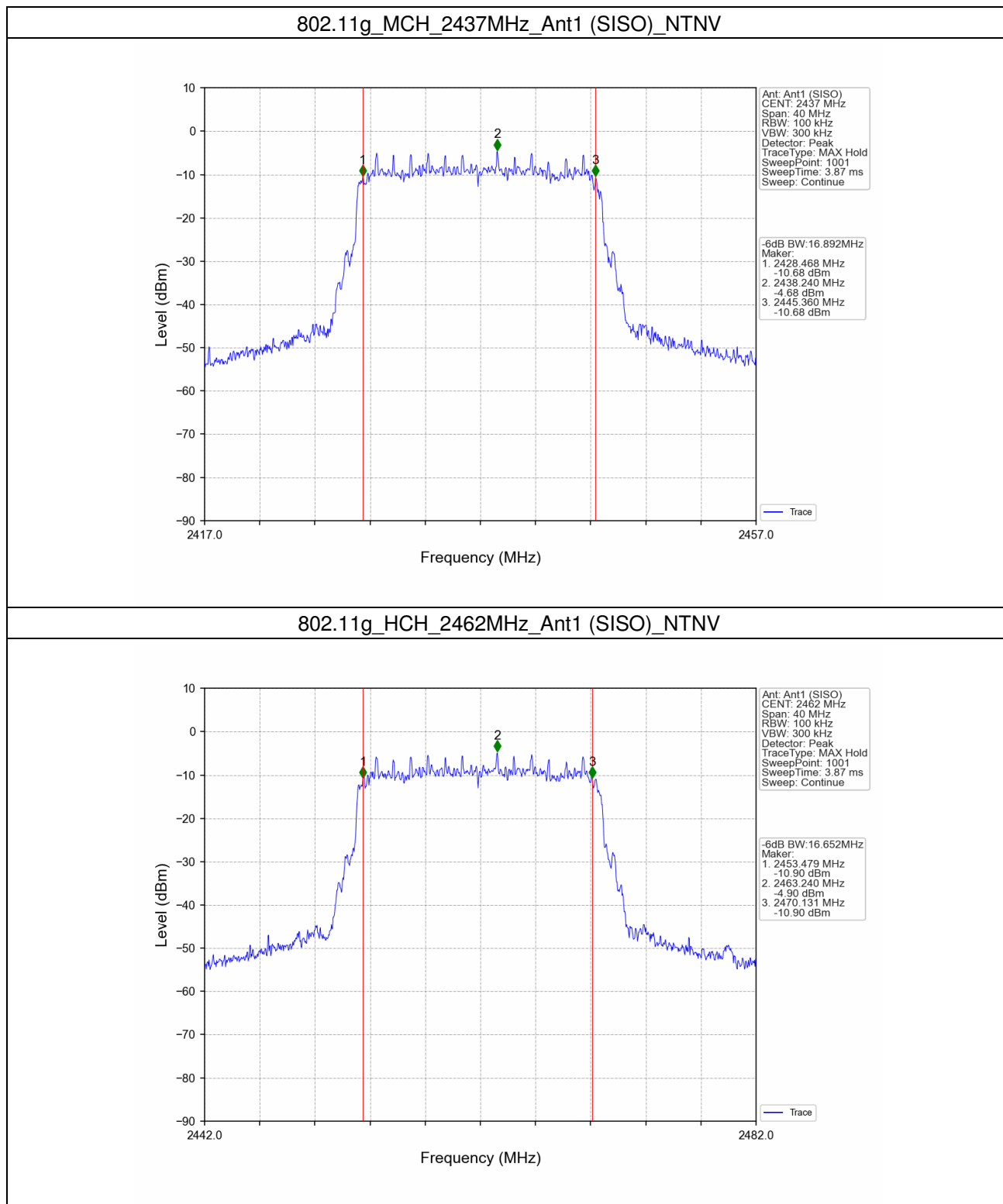
2.1.2 Test Graph





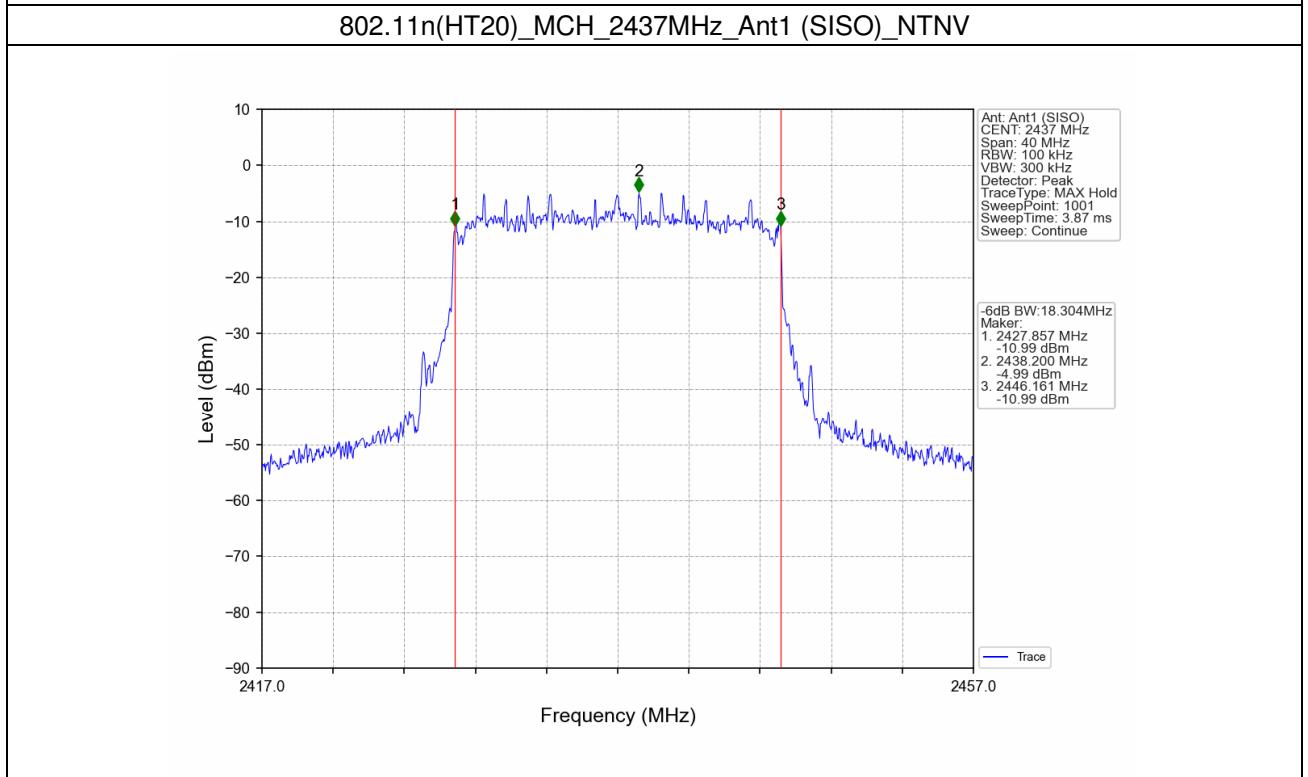
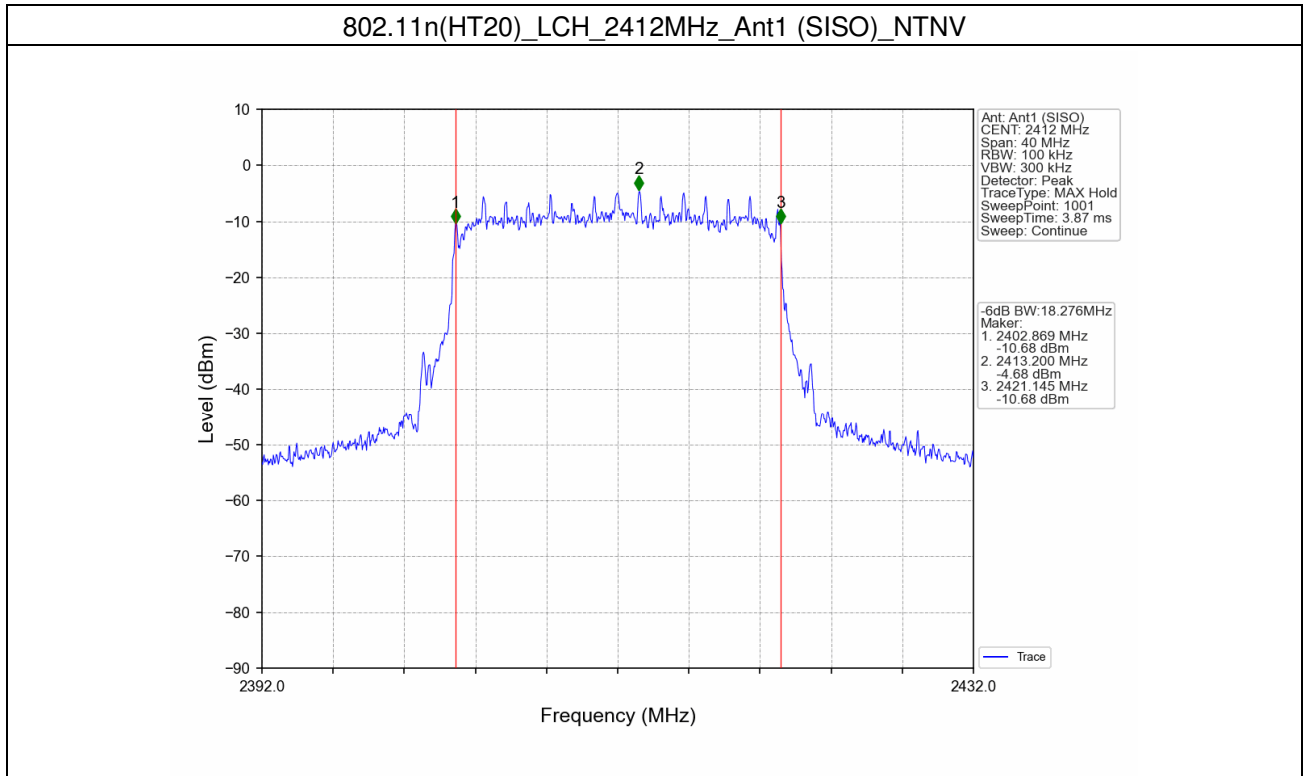
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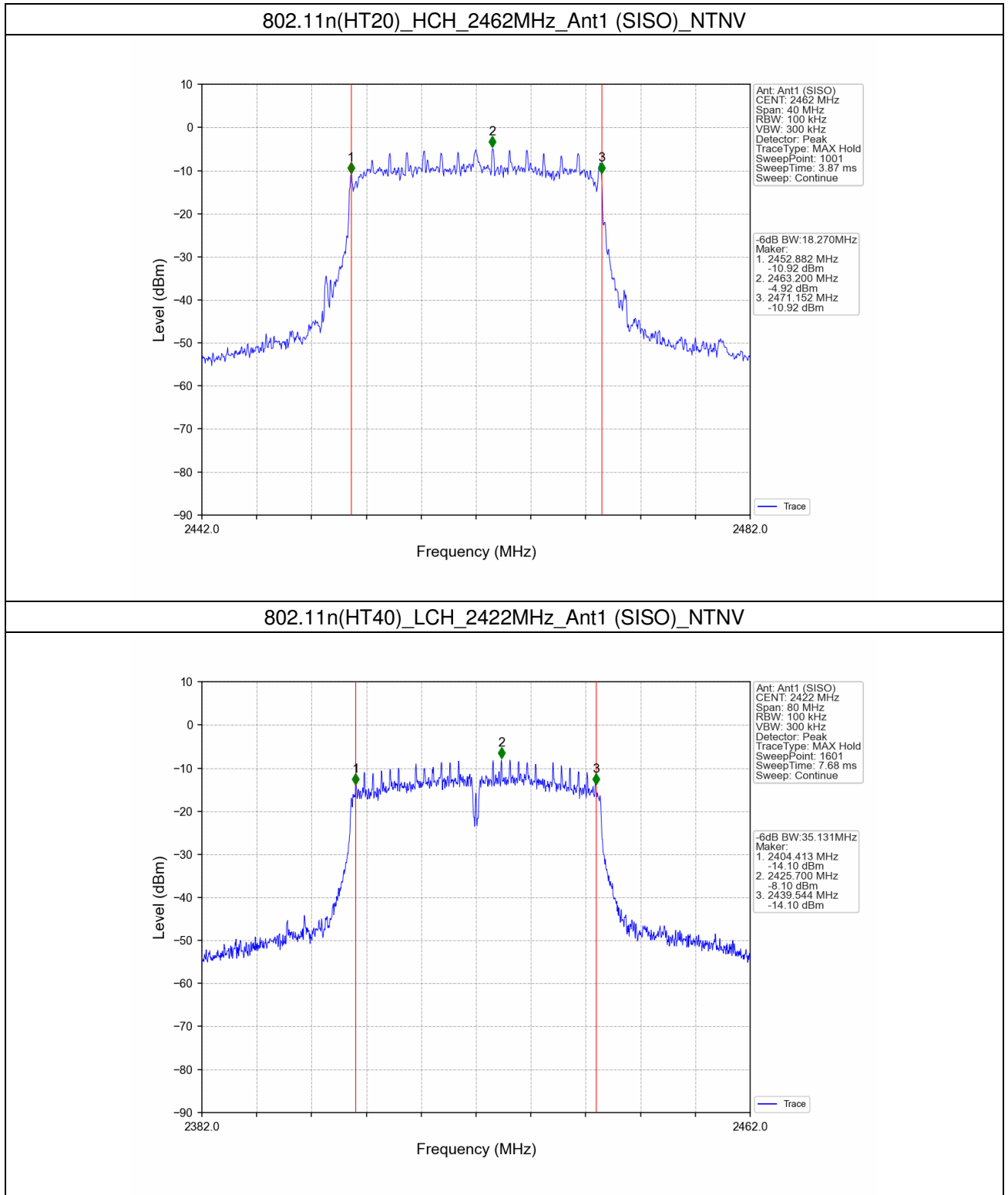
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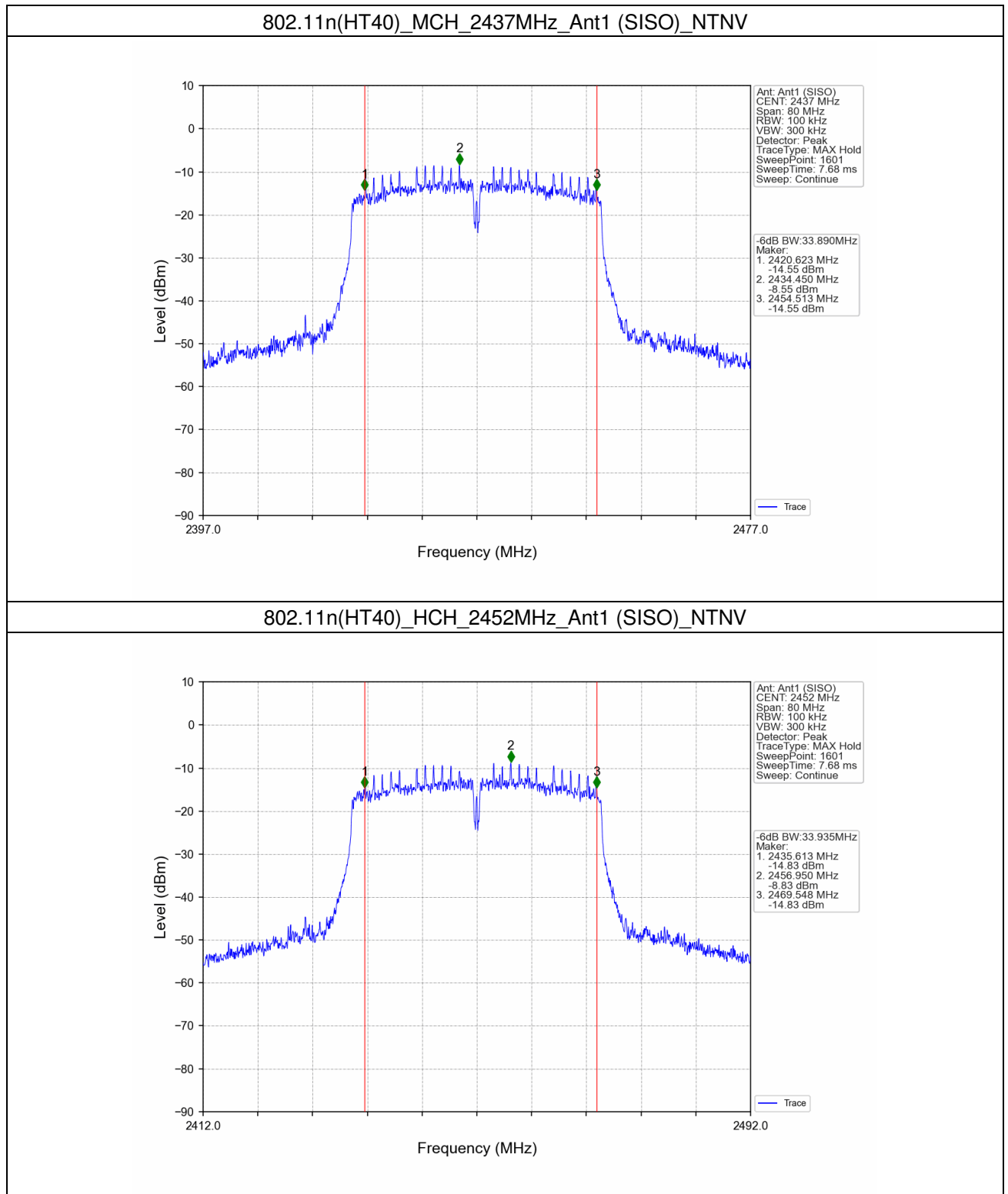
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3. Maximum Conducted Output Power

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	13.23	<=30	Pass
		2437	13.16	<=30	Pass
		2462	12.86	<=30	Pass
802.11g	SISO	2412	13.55	<=30	Pass
		2437	13.71	<=30	Pass
		2462	13.42	<=30	Pass
802.11n (HT20)	SISO	2412	13.55	<=30	Pass
		2437	13.67	<=30	Pass
		2462	13.39	<=30	Pass
802.11n (HT40)	SISO	2422	12.59	<=30	Pass
		2437	11.96	<=30	Pass
		2452	11.76	<=30	Pass

Note1: Antenna Gain: Ant1: 2.64dBi;



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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	-10.23	<=8	Pass
		2437	-13.44	<=8	Pass
		2462	-13.92	<=8	Pass
802.11g	SISO	2412	-19.49	<=8	Pass
		2437	-17.30	<=8	Pass
		2462	-17.78	<=8	Pass
802.11n (HT20)	SISO	2412	-17.83	<=8	Pass
		2437	-19.04	<=8	Pass
		2462	-18.69	<=8	Pass
802.11n (HT40)	SISO	2422	-21.57	<=8	Pass
		2437	-21.44	<=8	Pass
		2452	-24.11	<=8	Pass

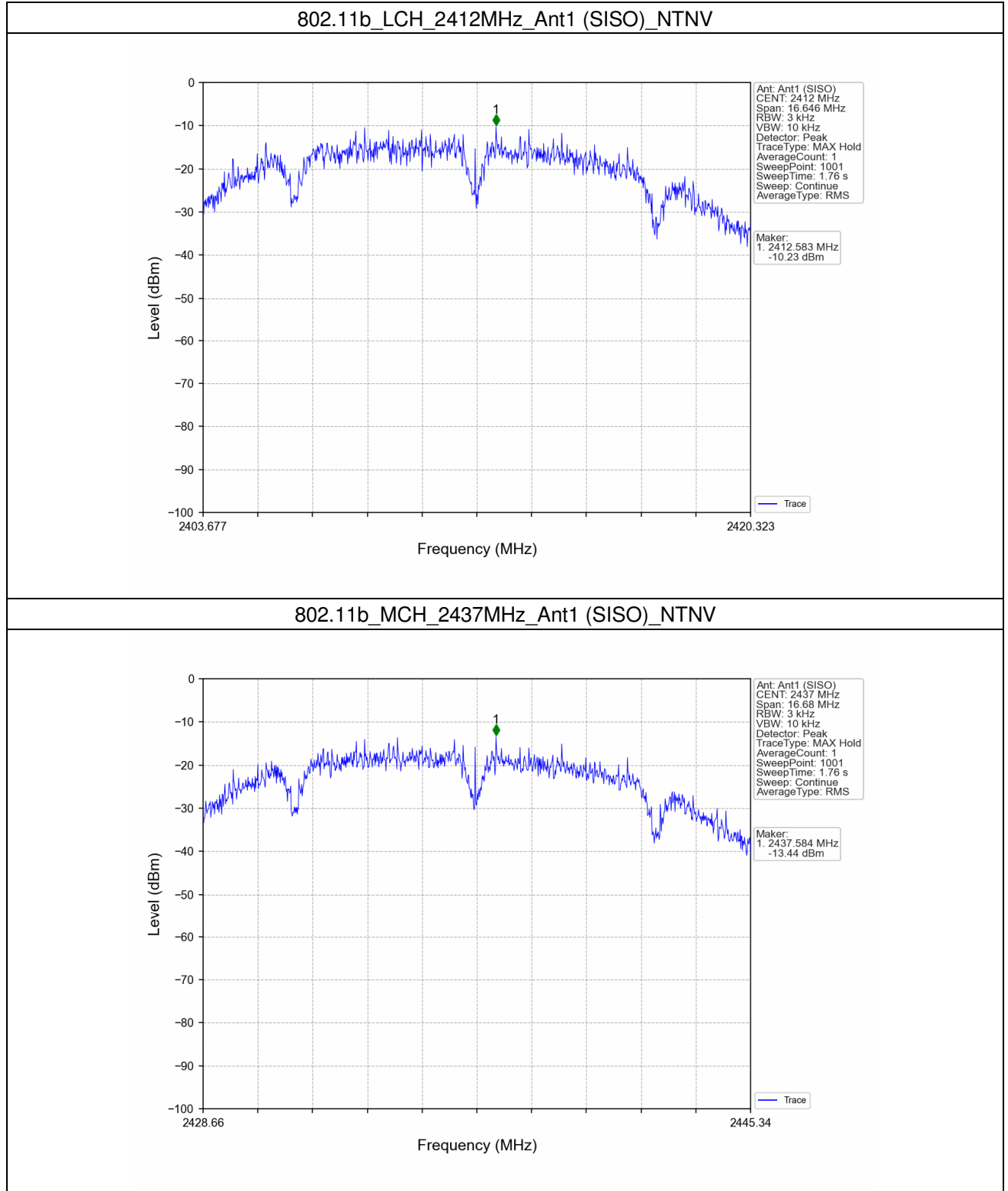
Note1: Antenna Gain: Ant1: 2.64dBi;



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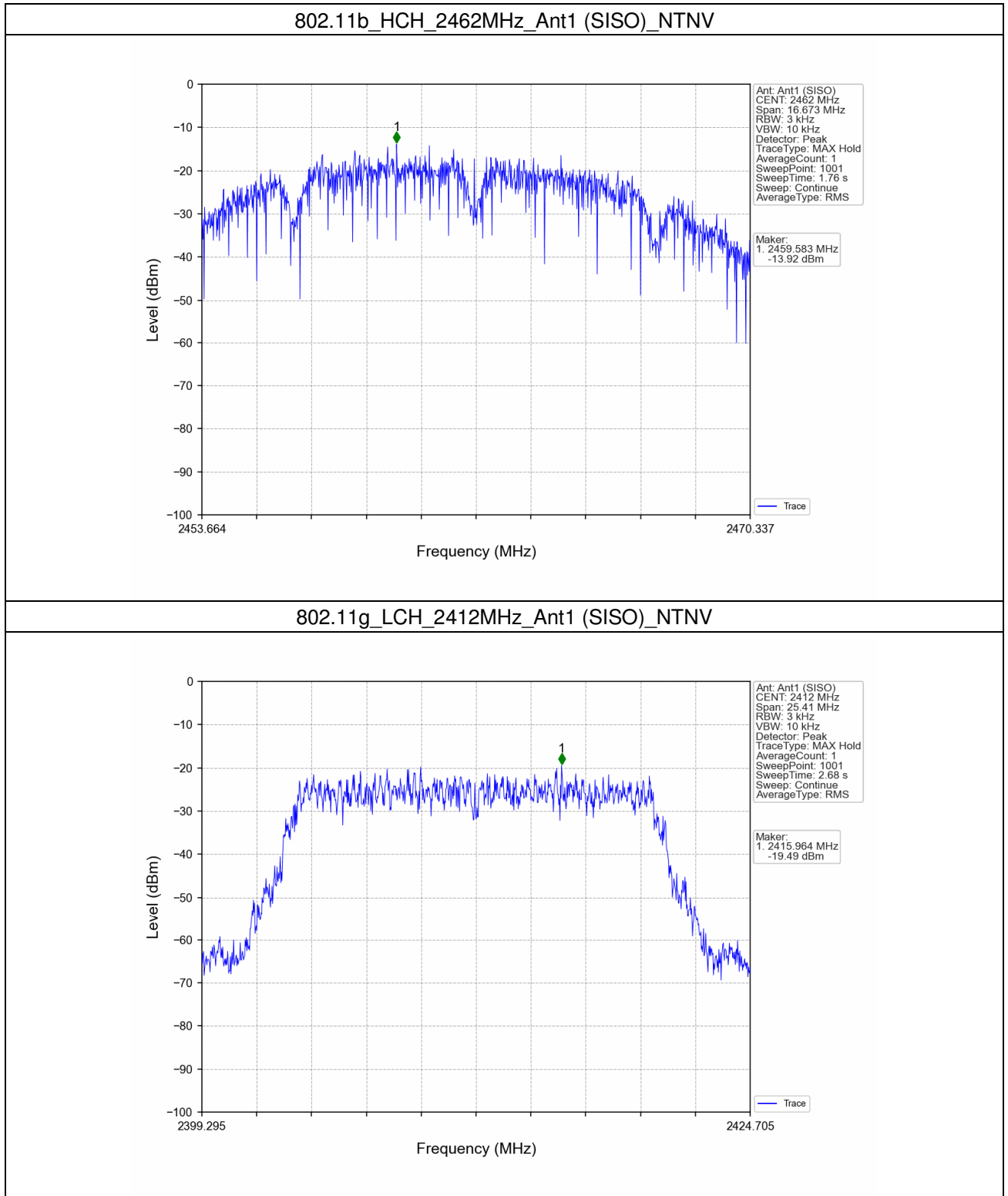
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4.1.2 Test Graph



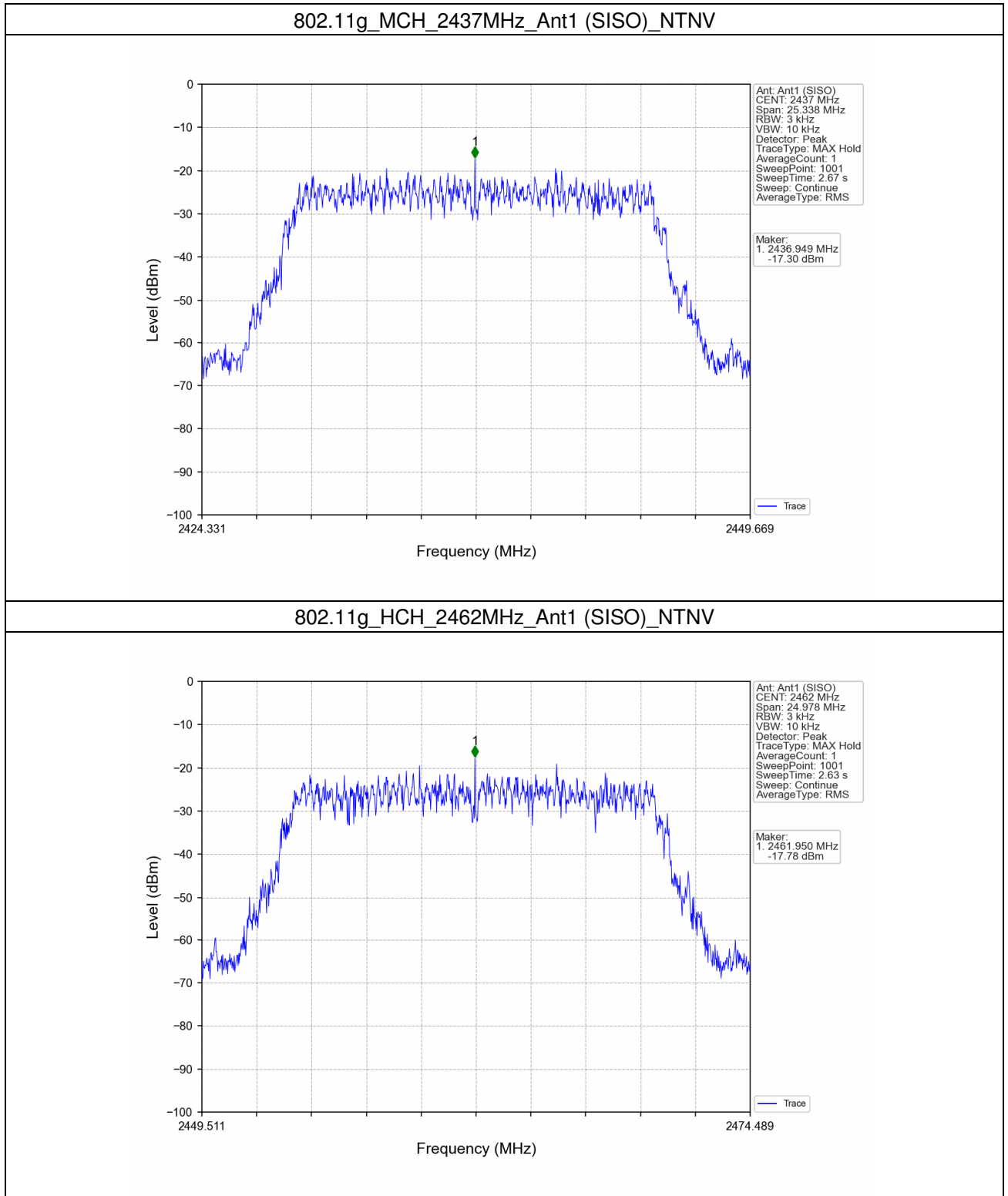
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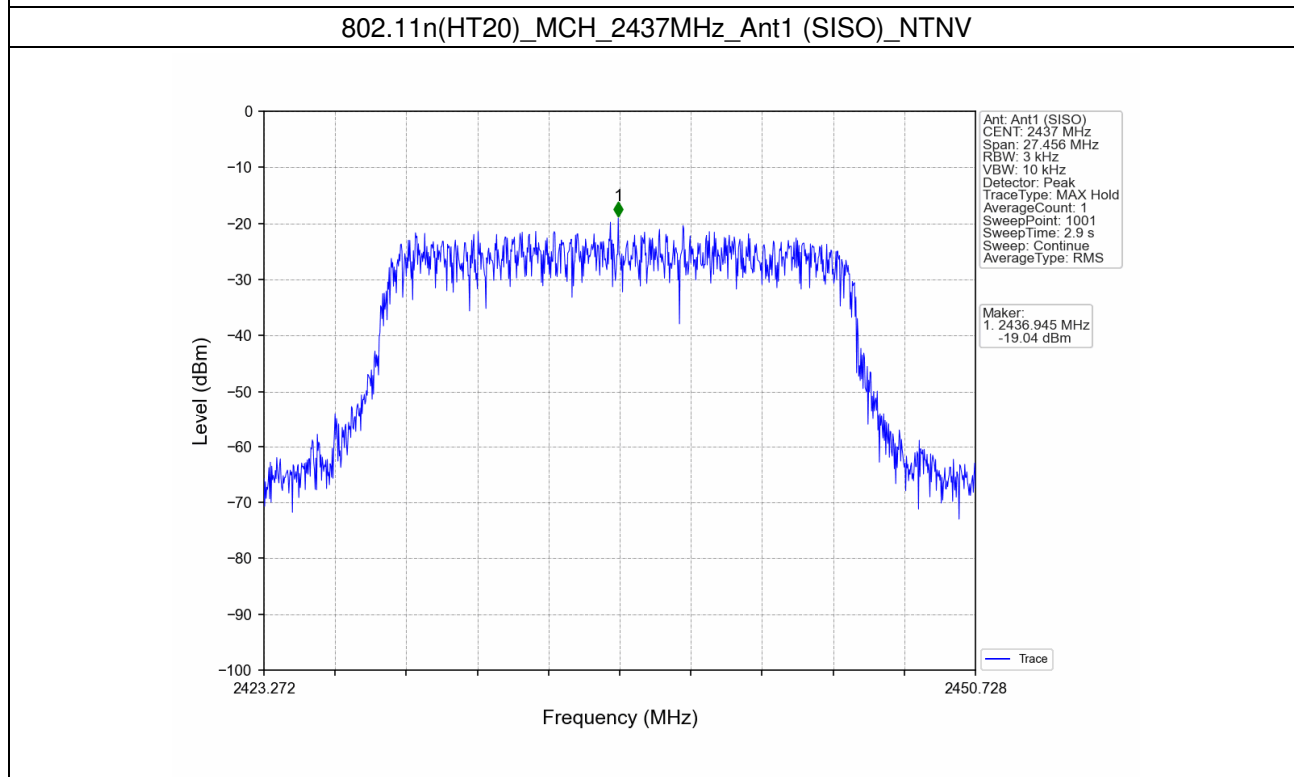
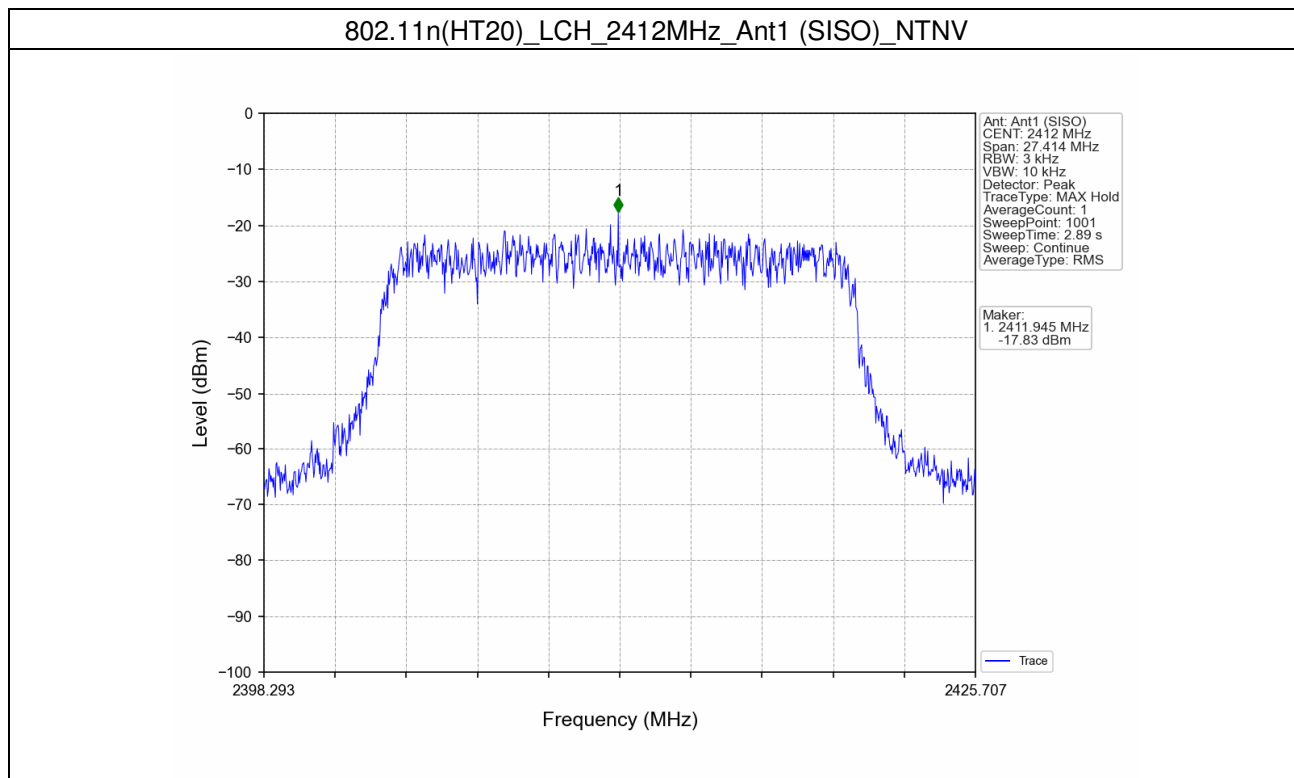
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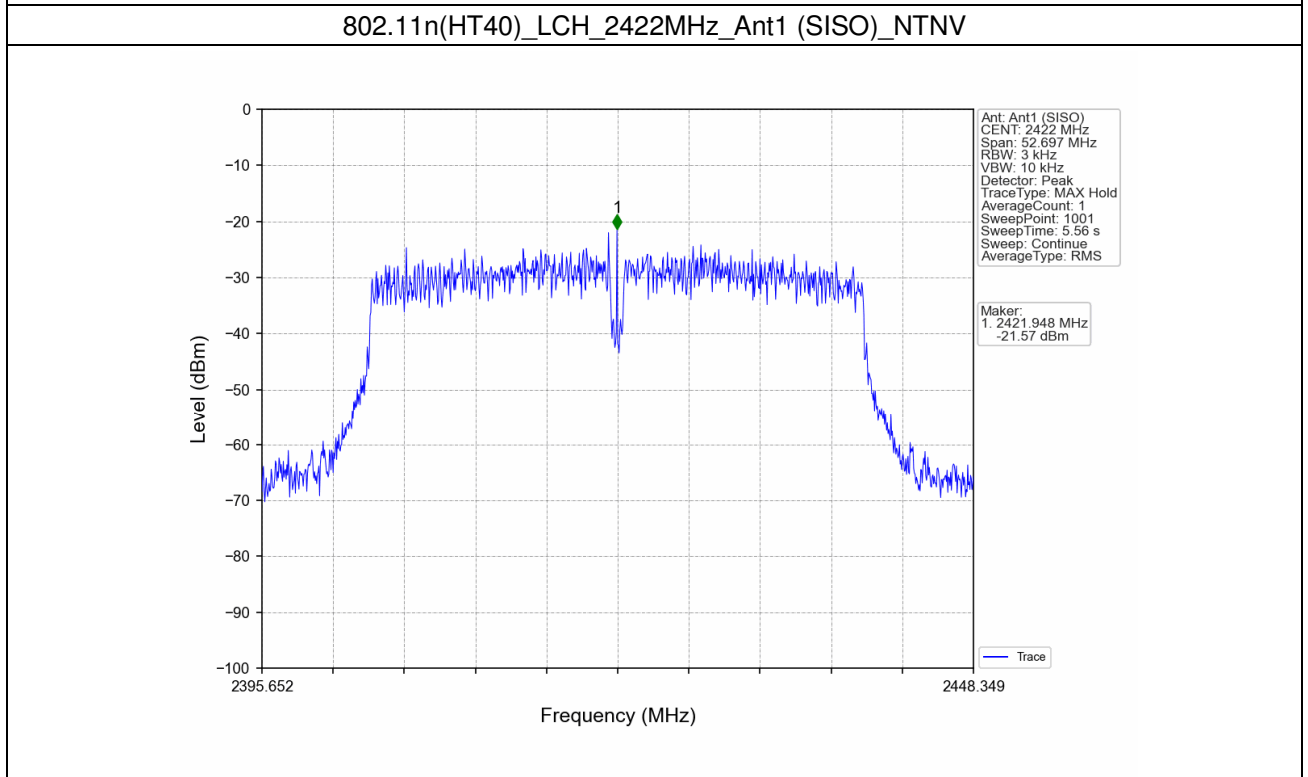
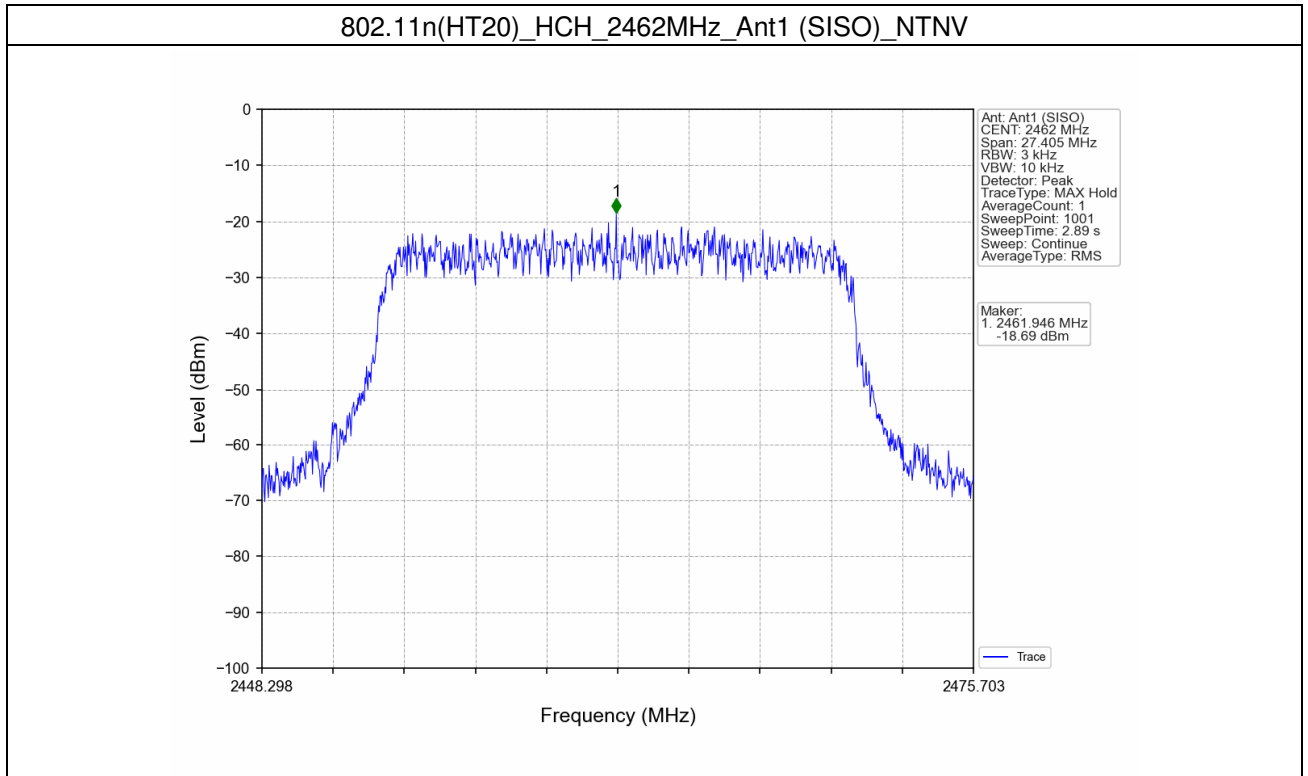


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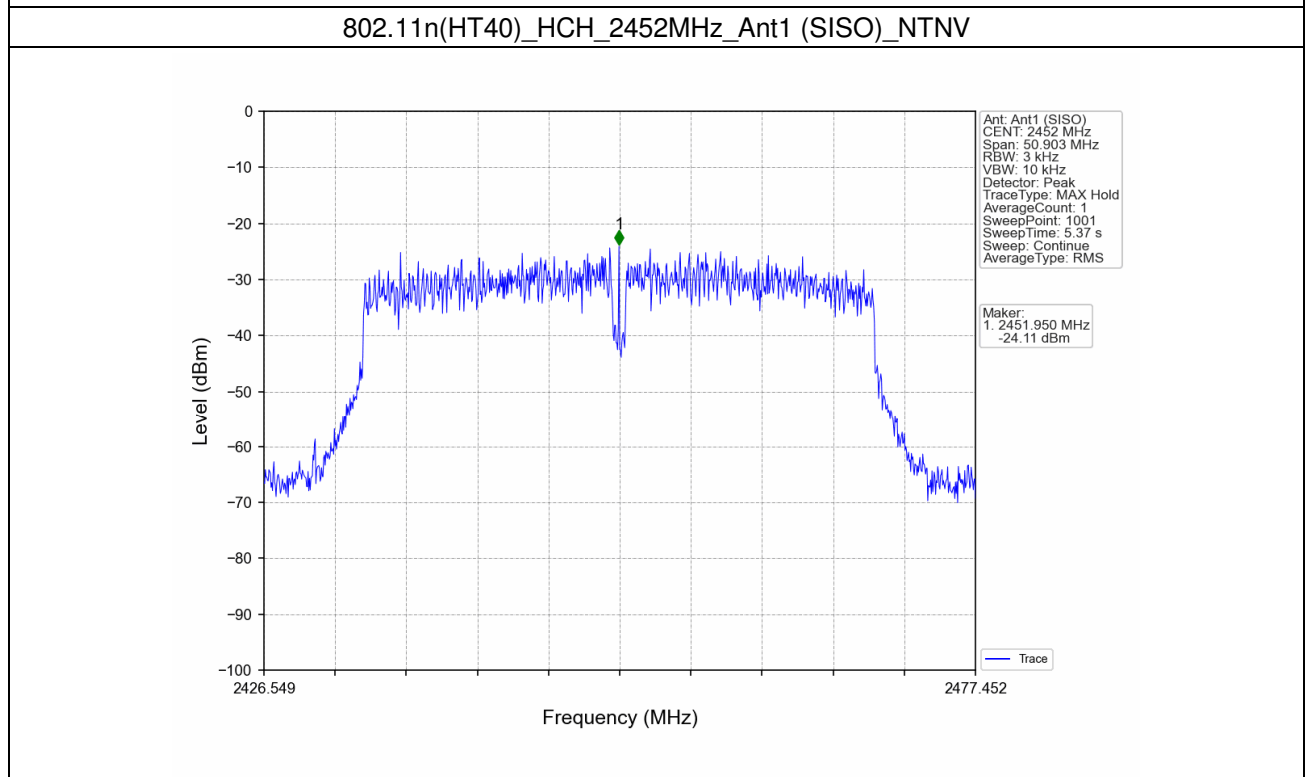
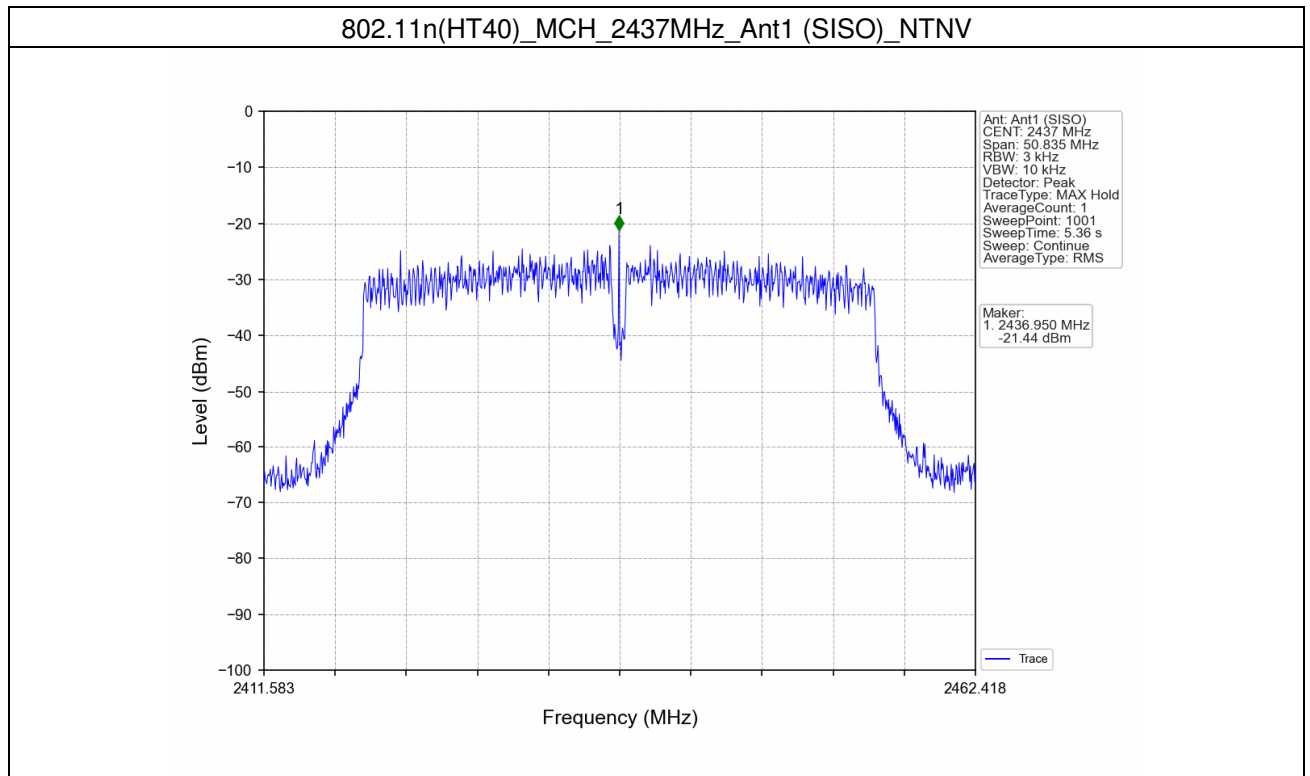


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5. Unwanted Emissions In Non-restricted Frequency Bands

5.1 Ref

5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
802.11b	SISO	2412	1	2.52
		2437	1	-0.56
		2462	1	-0.77
802.11g	SISO	2412	1	-4.83
		2437	1	-5.12
		2462	1	-5.09
802.11n (HT20)	SISO	2412	1	-4.67
		2437	1	-4.64
		2462	1	-5.17
802.11n (HT40)	SISO	2422	1	-8.09
		2437	1	-8.69
		2452	1	-9.17

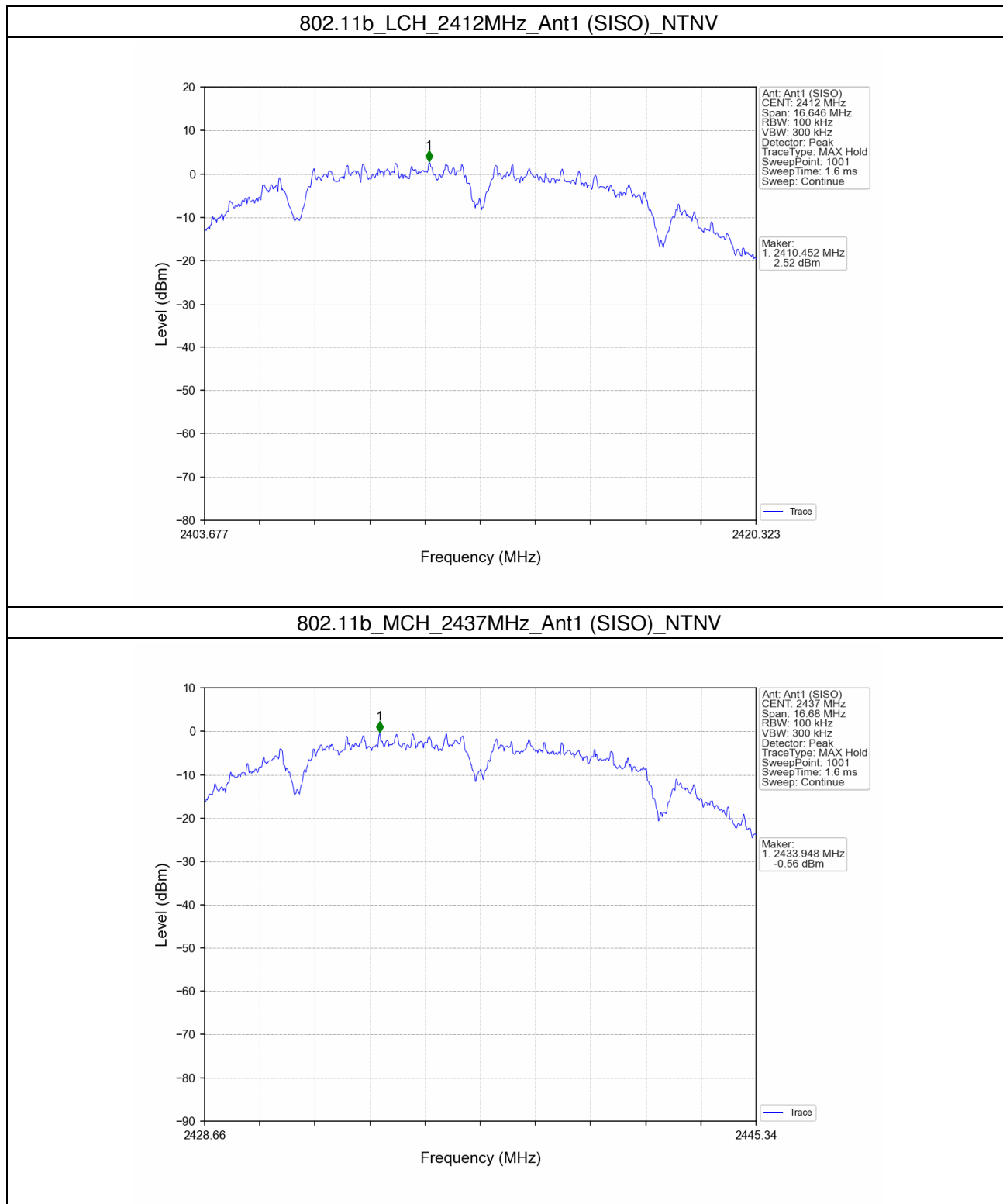
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.



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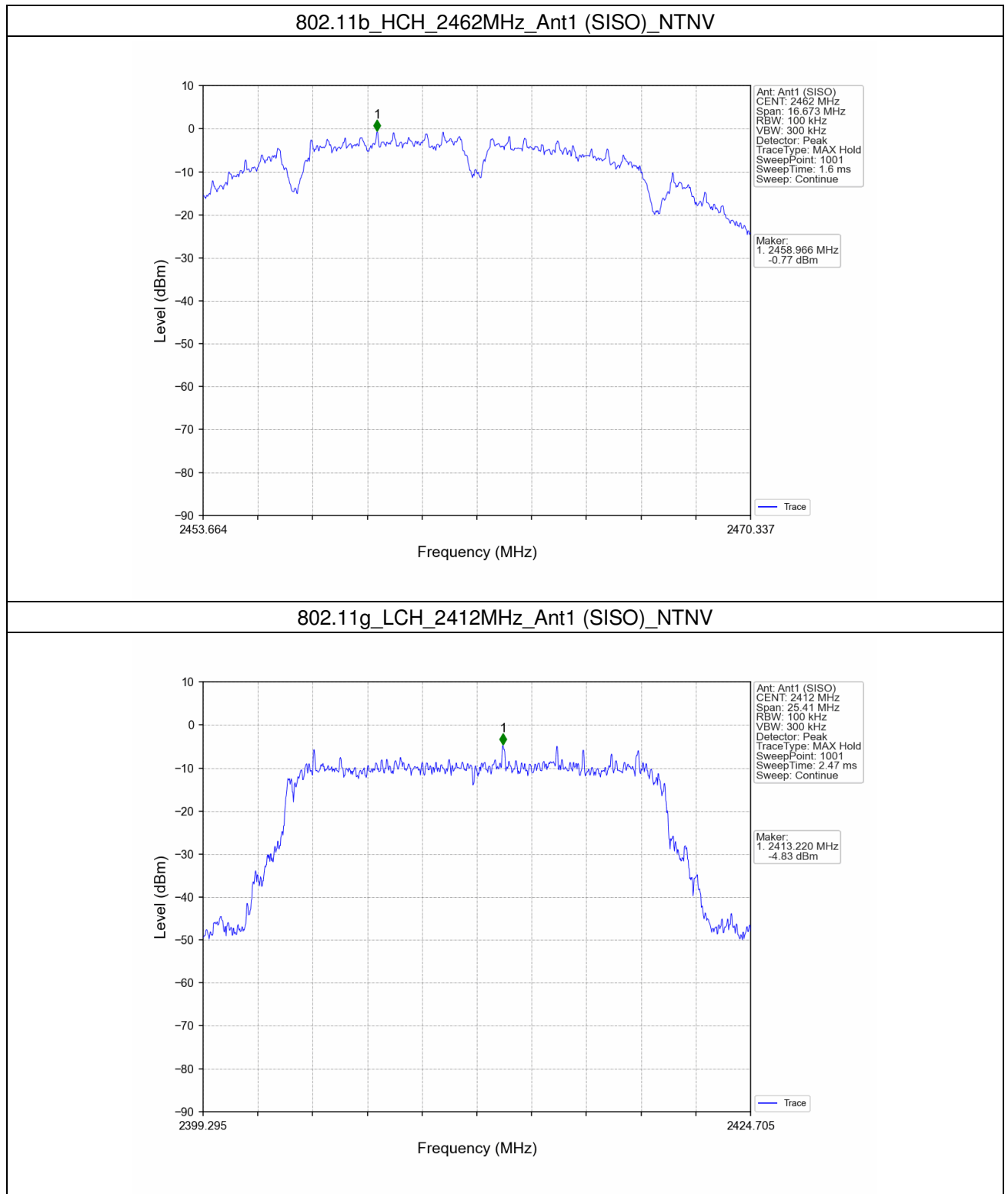
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5.1.2 Test Graph



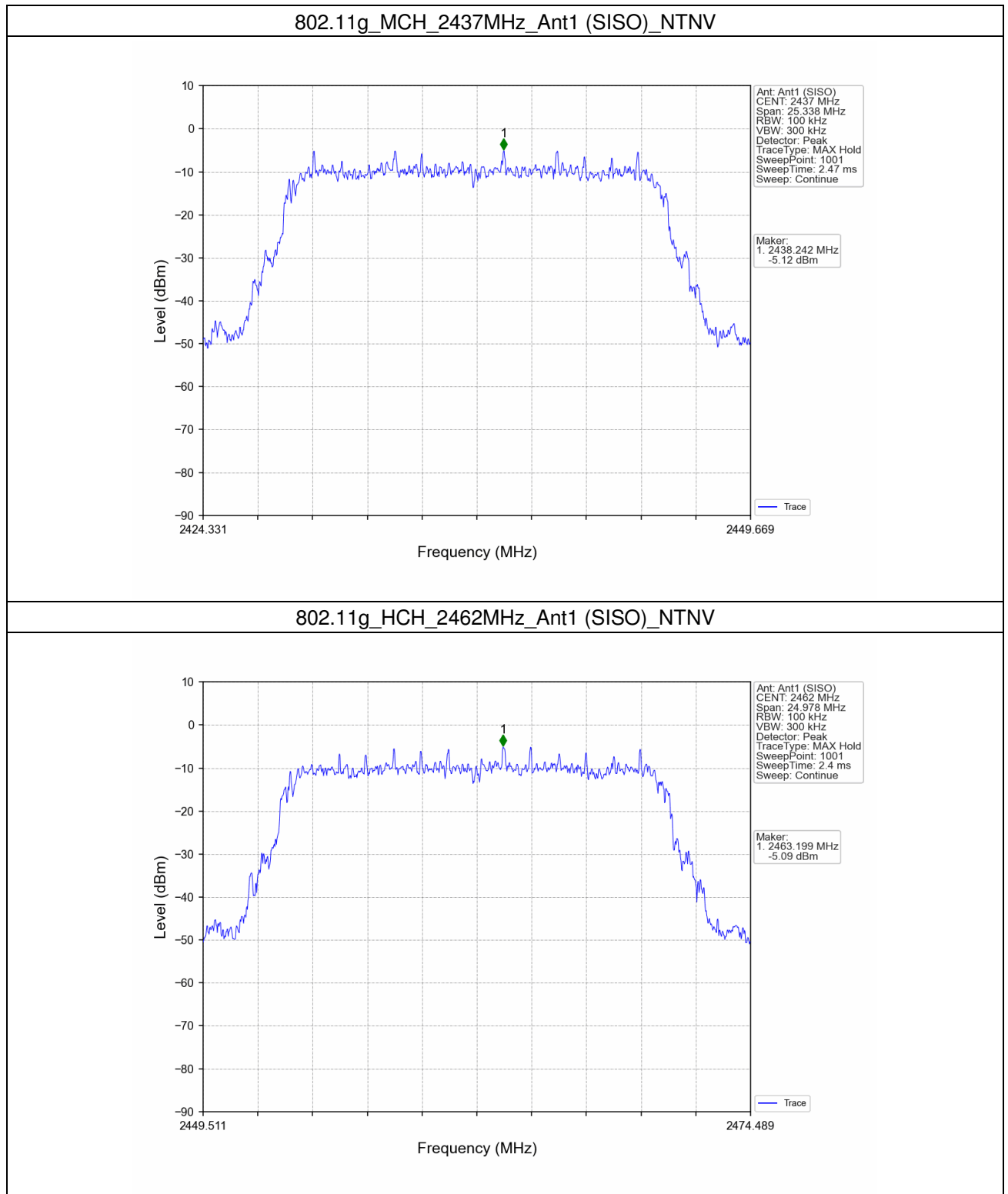
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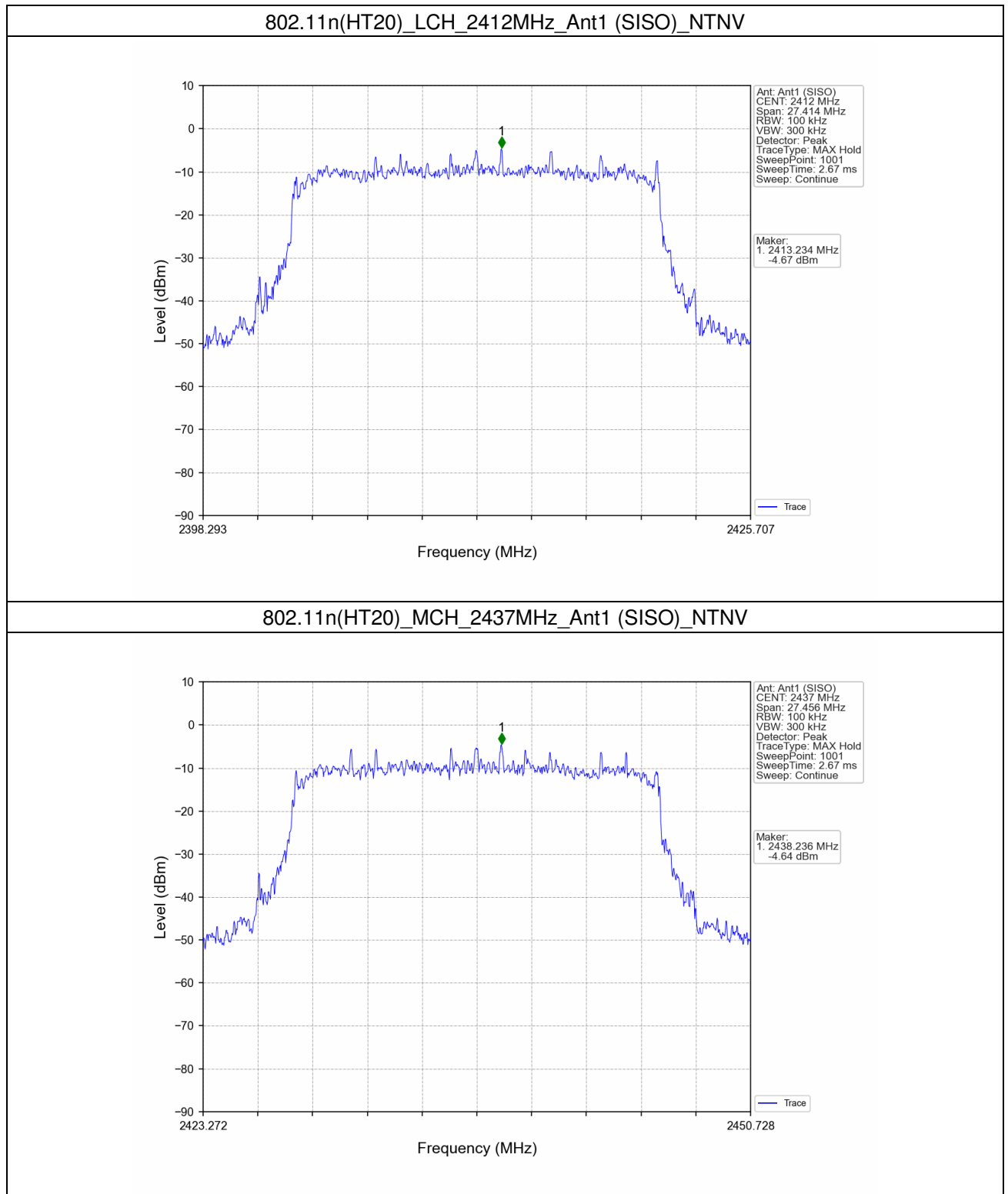
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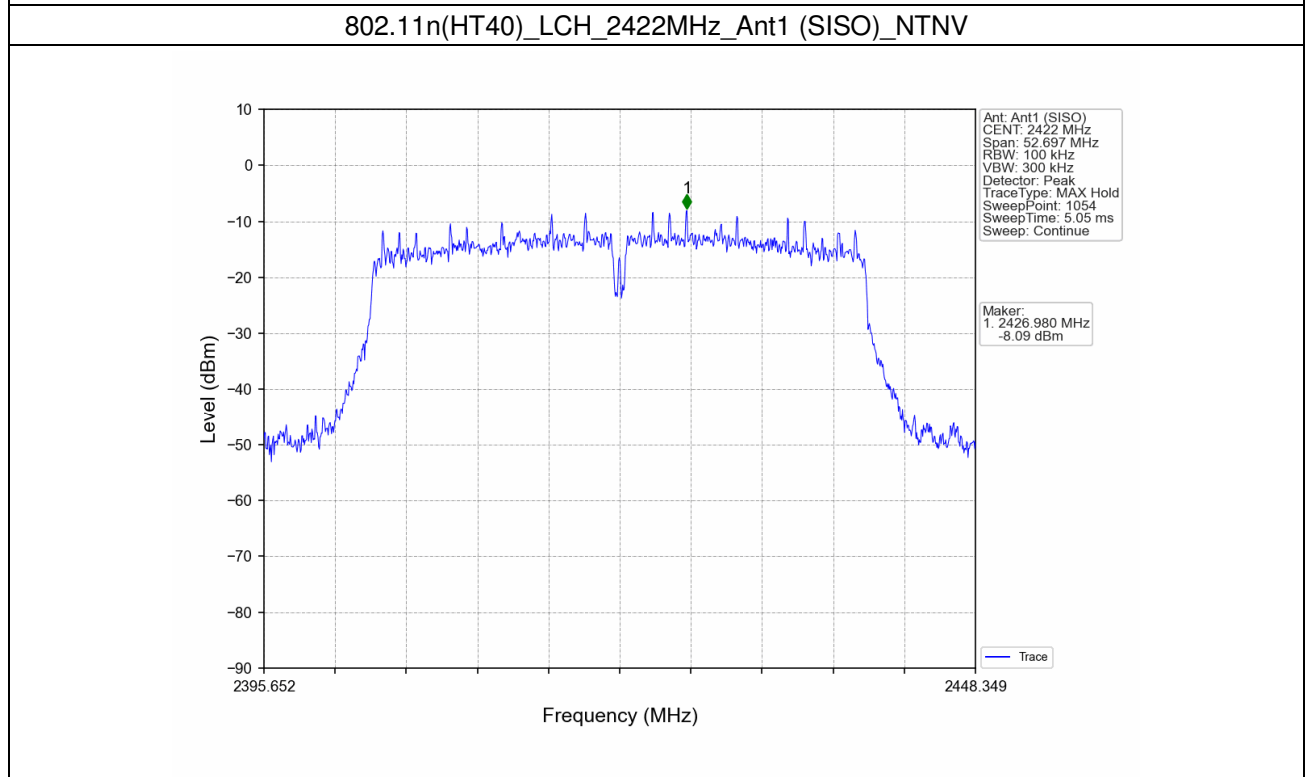
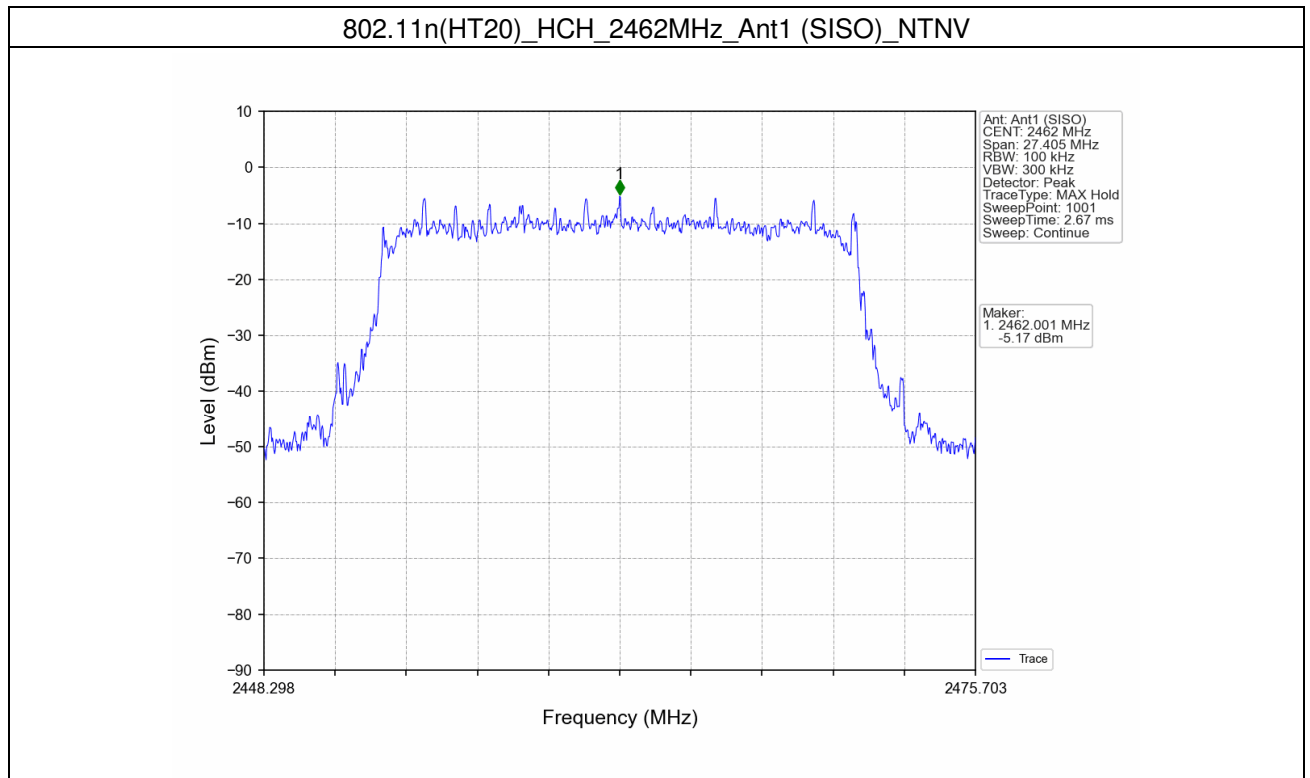


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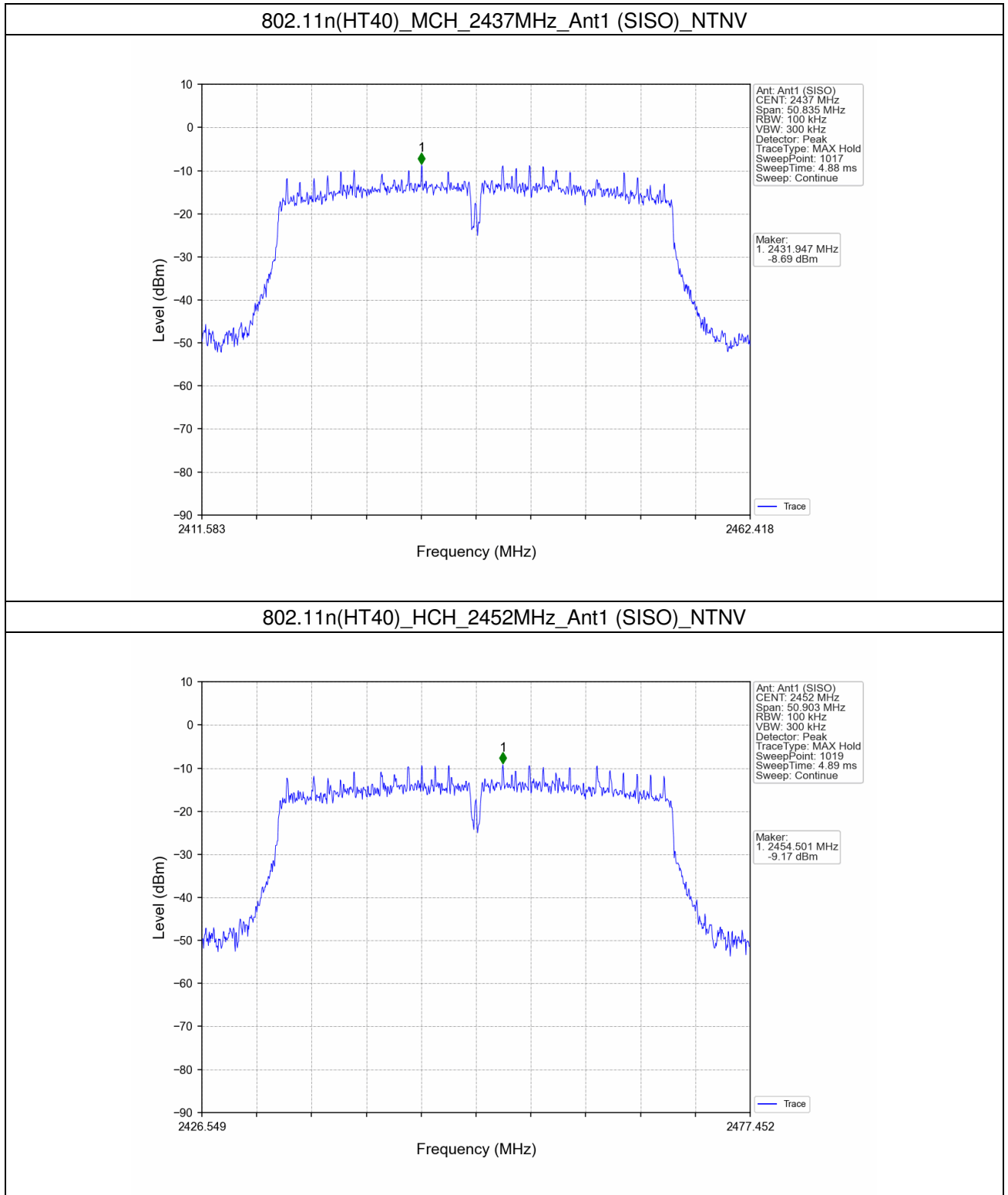
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5.2 CSE and Band Edges

5.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	2.52	-17.48	Pass
		2437	1	2.52	-17.48	Pass
		2462	1	2.52	-17.48	Pass
802.11g	SISO	2412	1	-4.83	-24.83	Pass
		2437	1	-4.83	-24.83	Pass
		2462	1	-4.83	-24.83	Pass
802.11n (HT20)	SISO	2412	1	-4.64	-24.64	Pass
		2437	1	-4.64	-24.64	Pass
		2462	1	-4.64	-24.64	Pass
802.11n (HT40)	SISO	2422	1	-8.09	-28.09	Pass
		2437	1	-8.09	-28.09	Pass
		2452	1	-8.09	-28.09	Pass

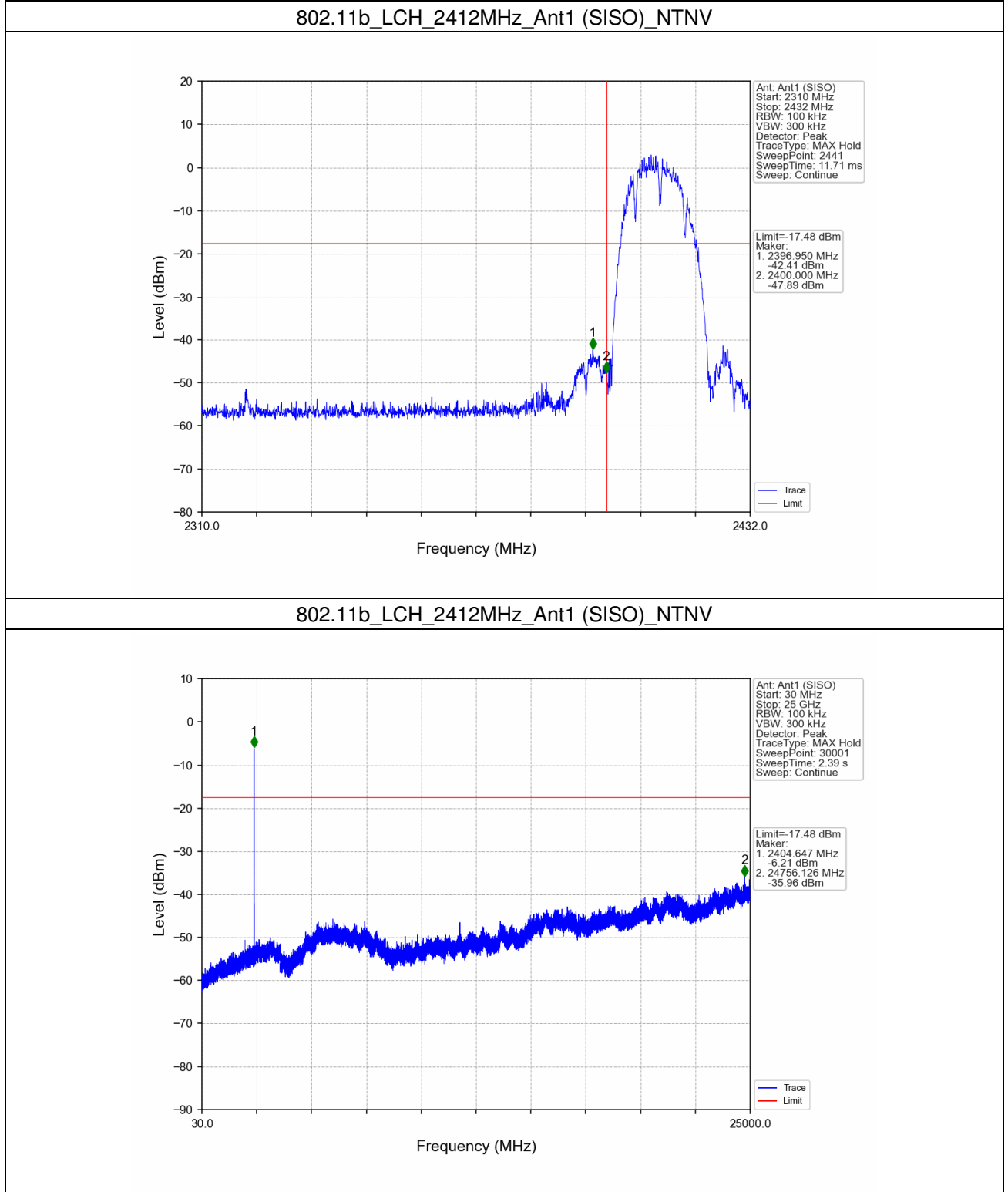
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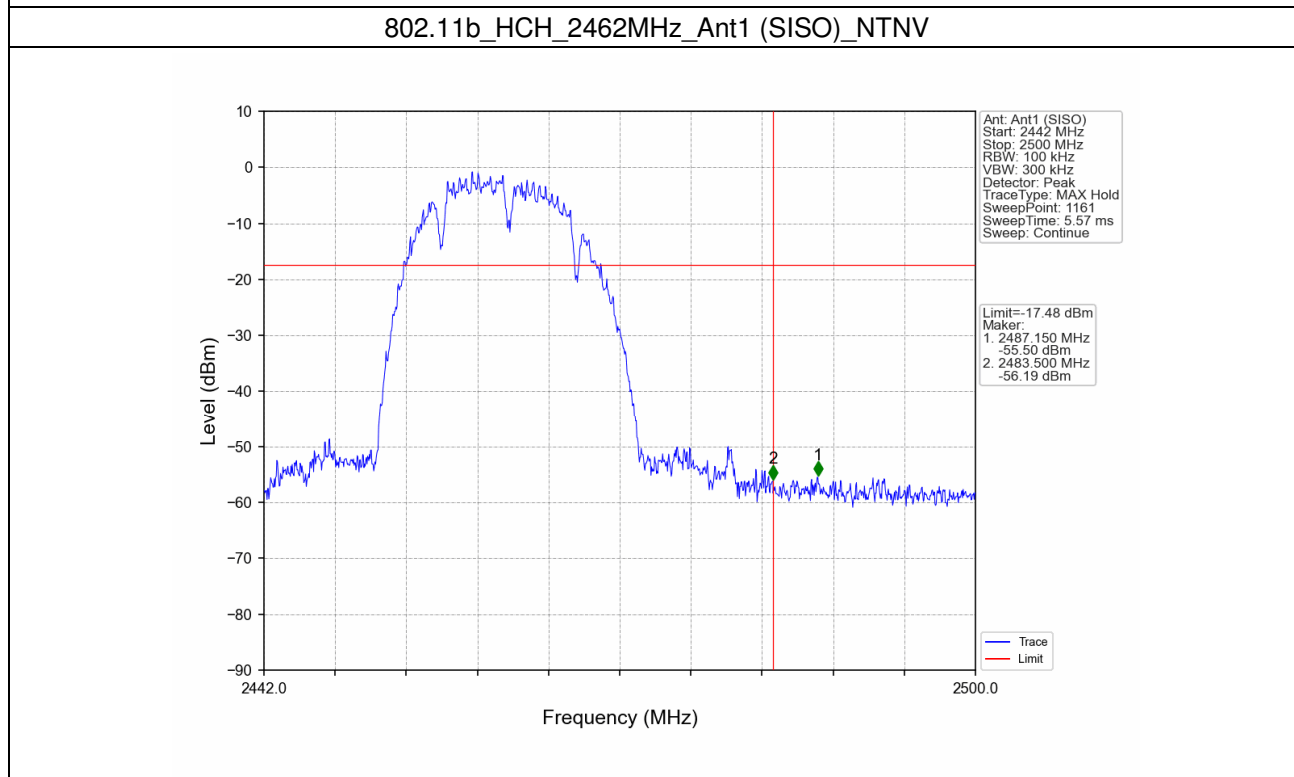
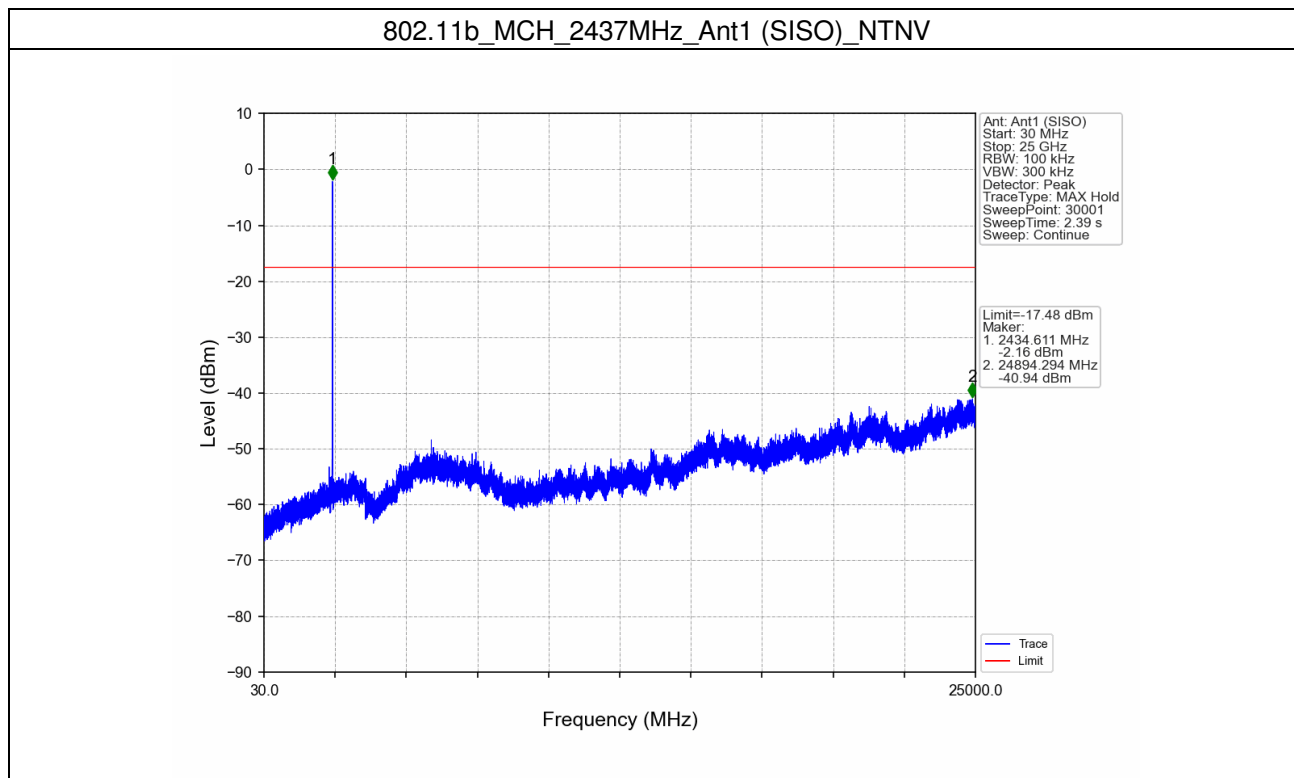
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5.2.2 Test Graph



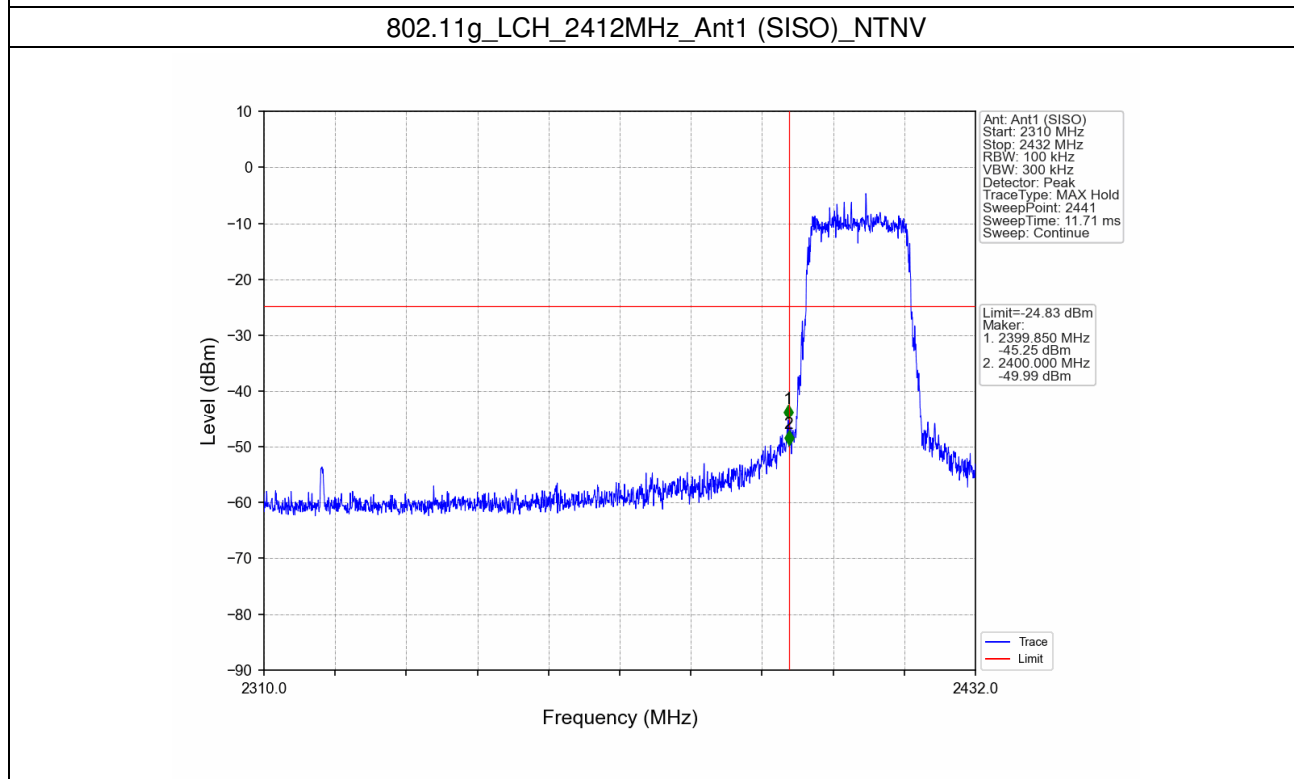
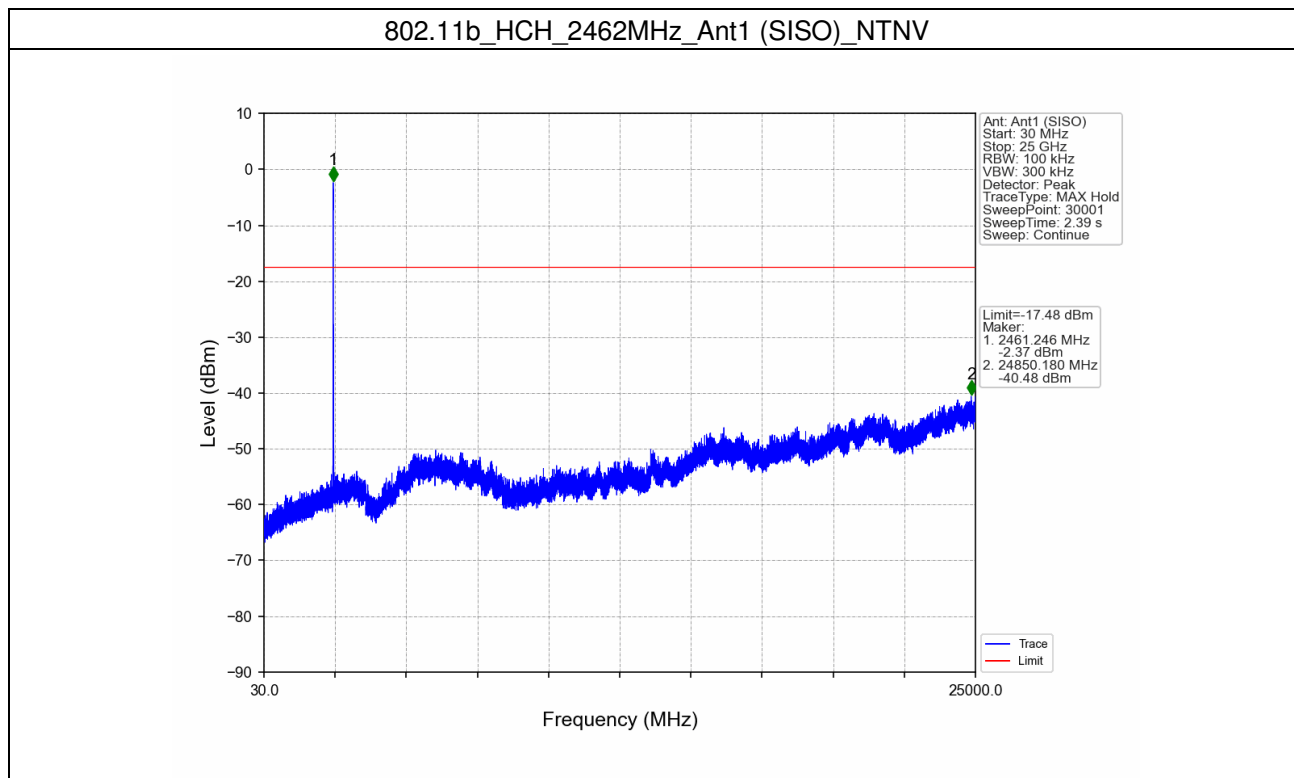
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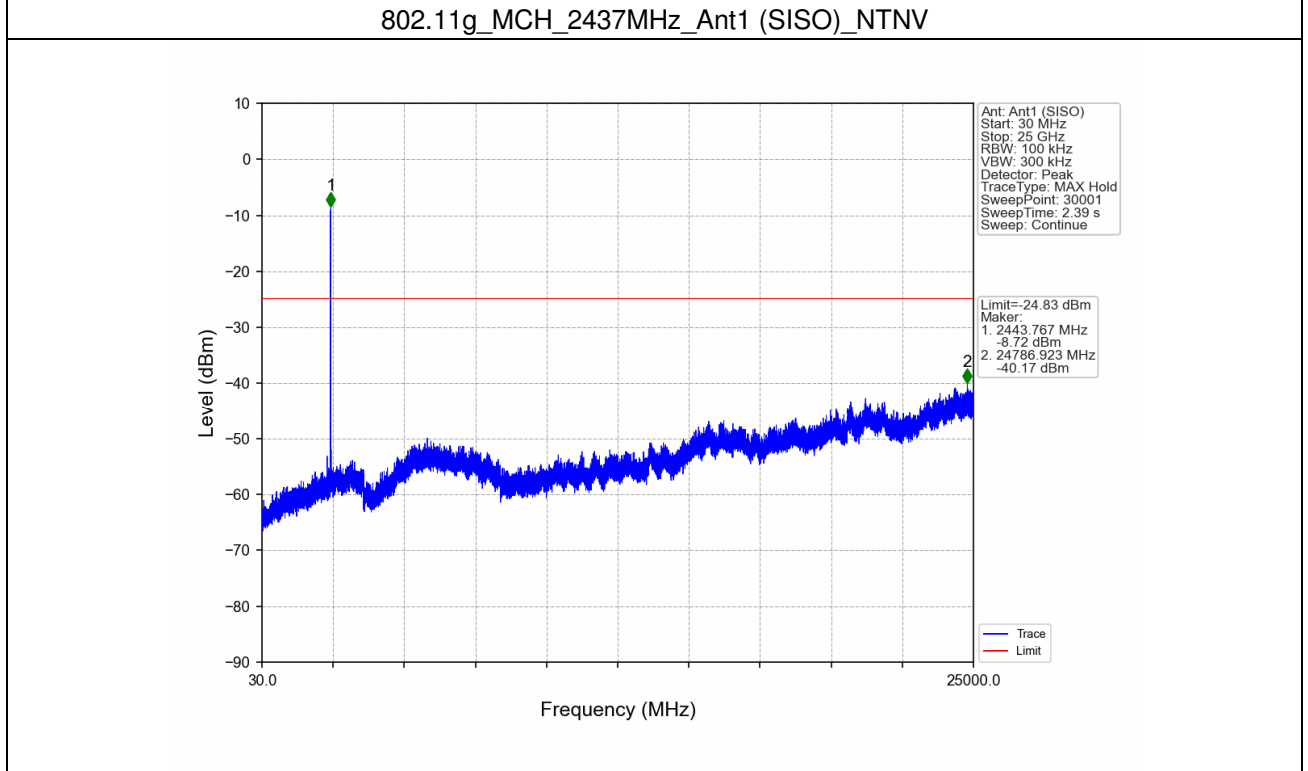
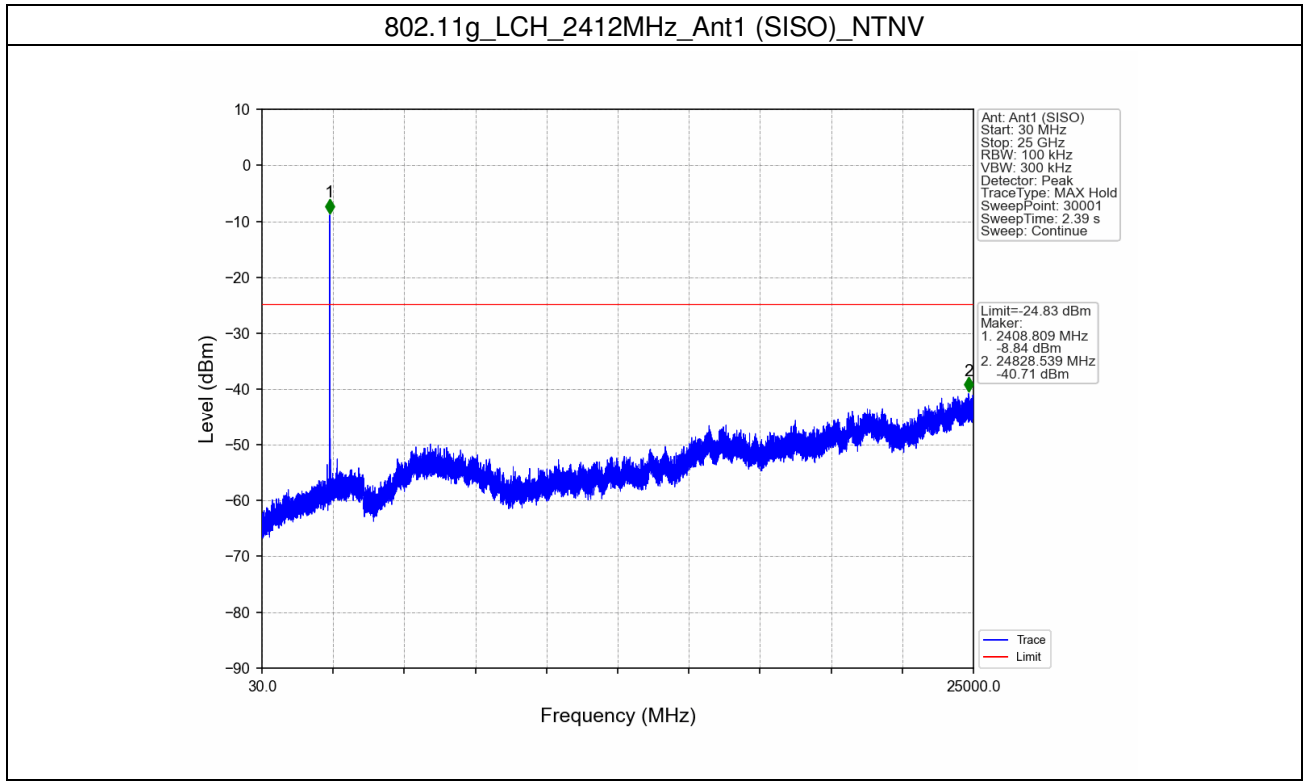
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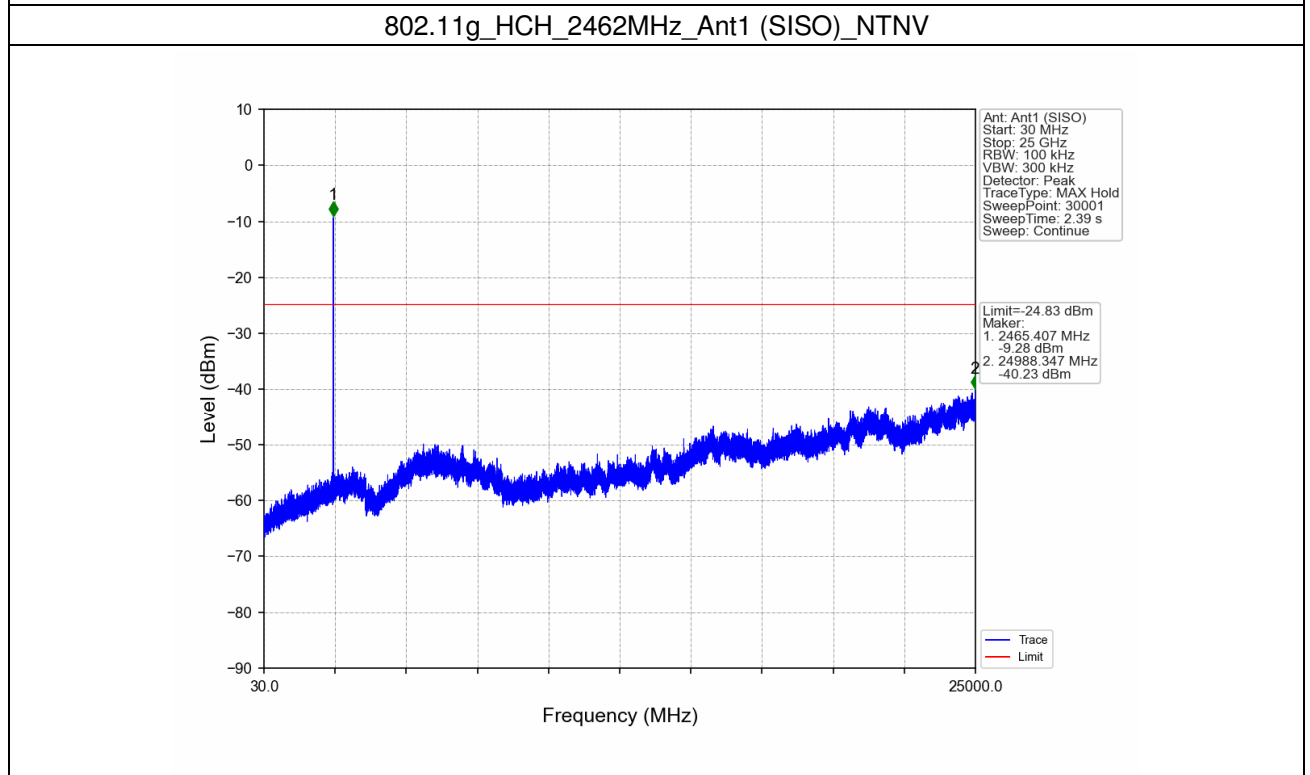
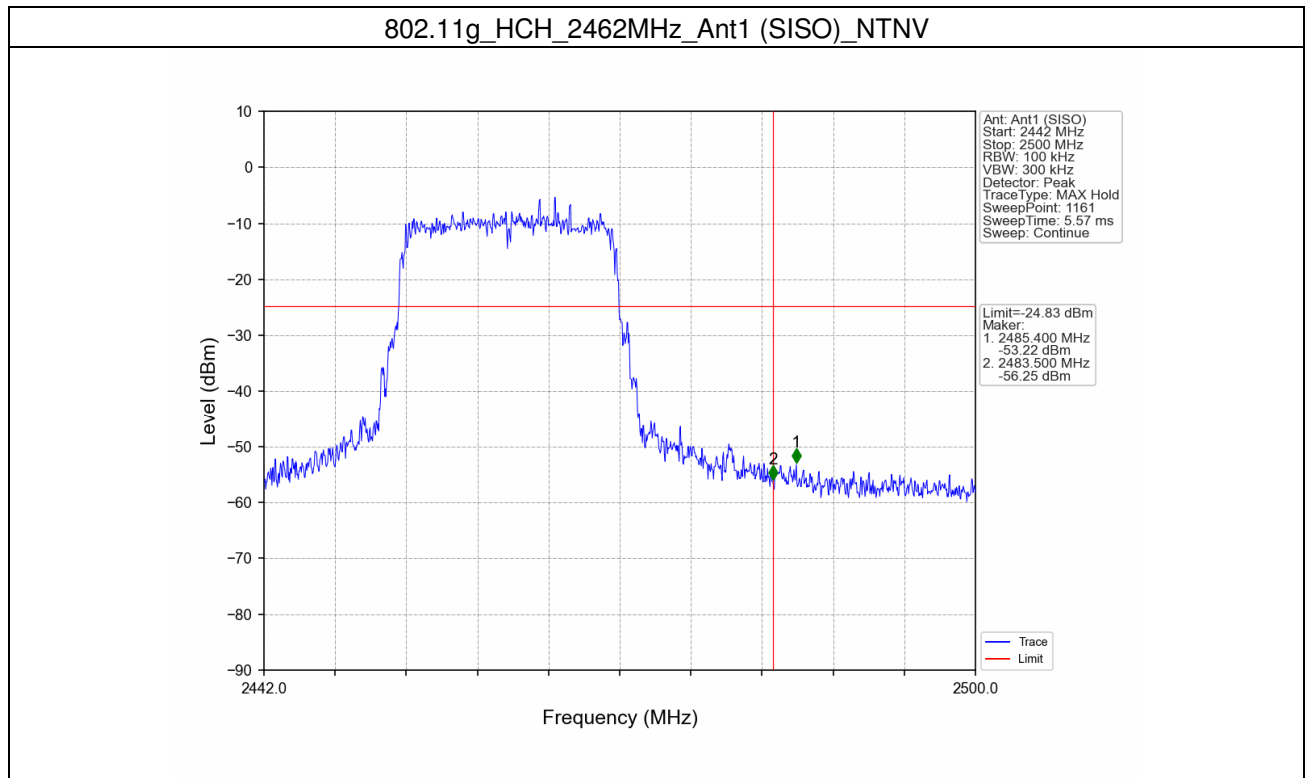
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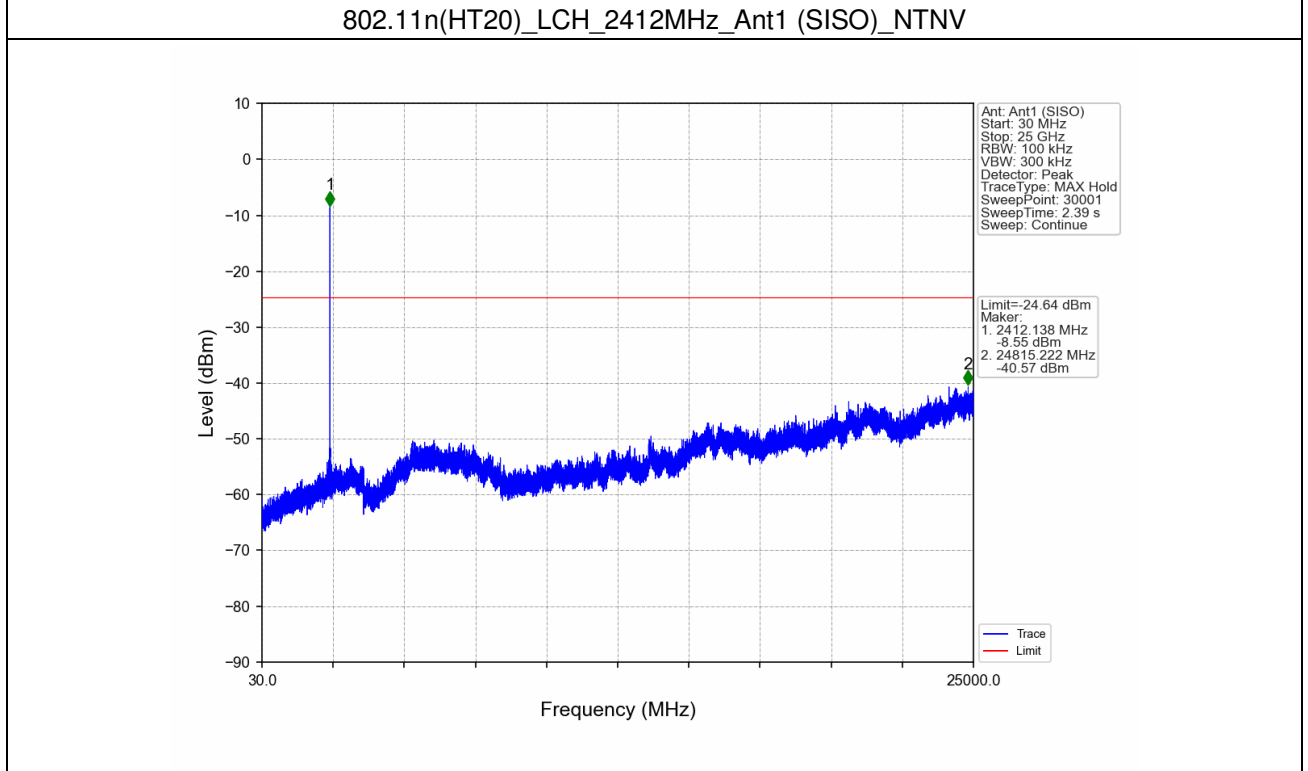
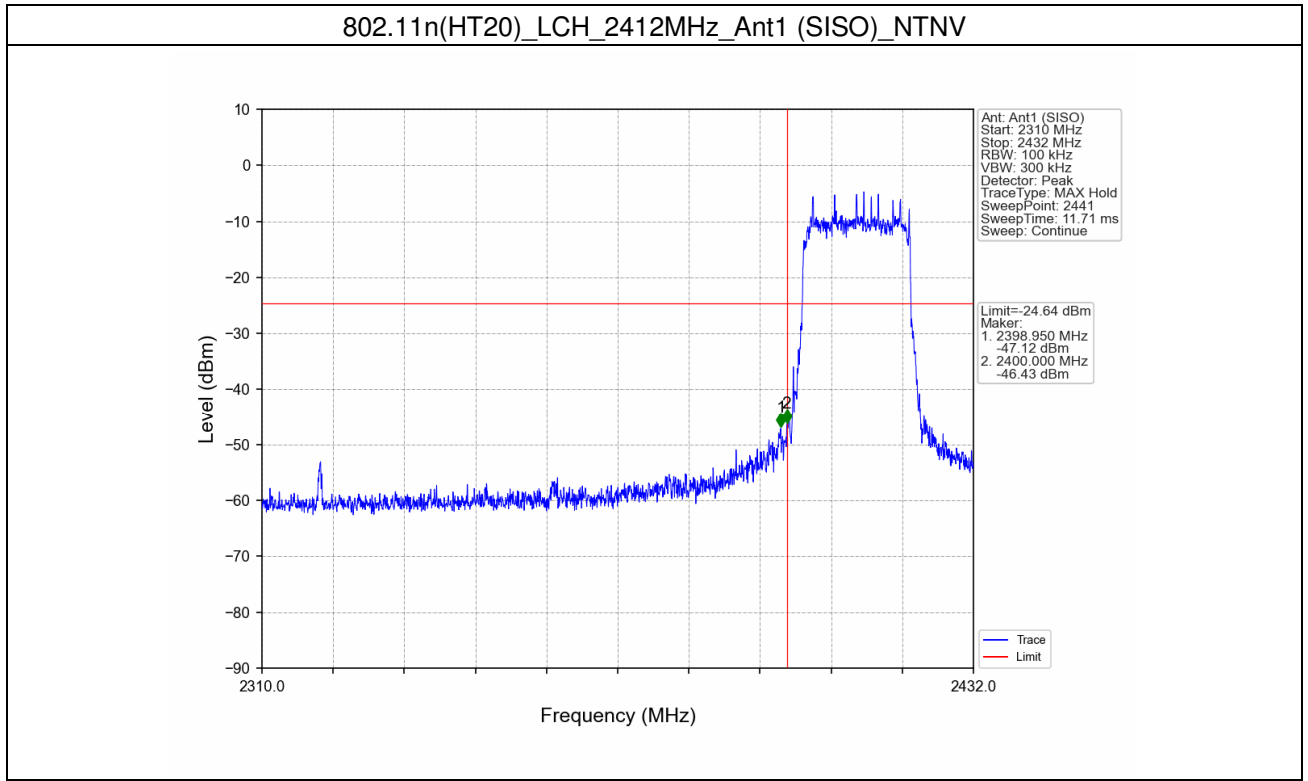
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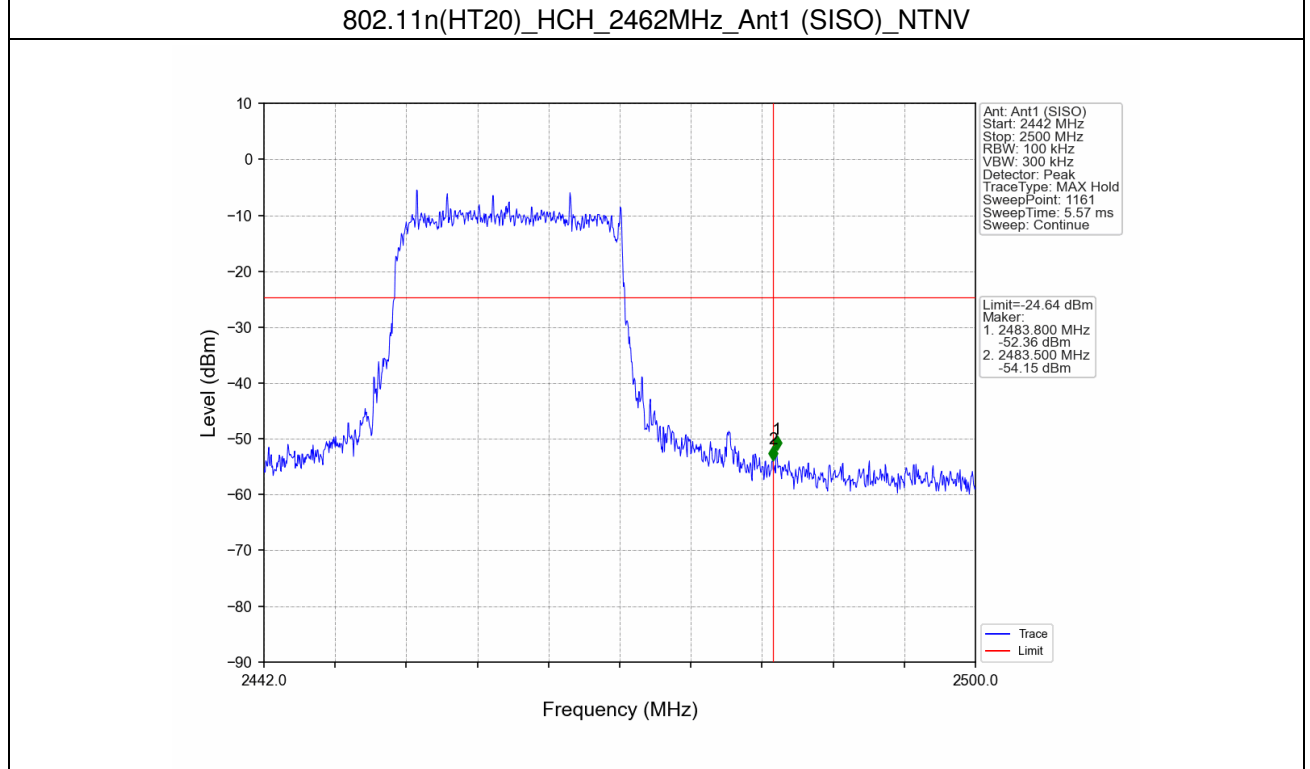
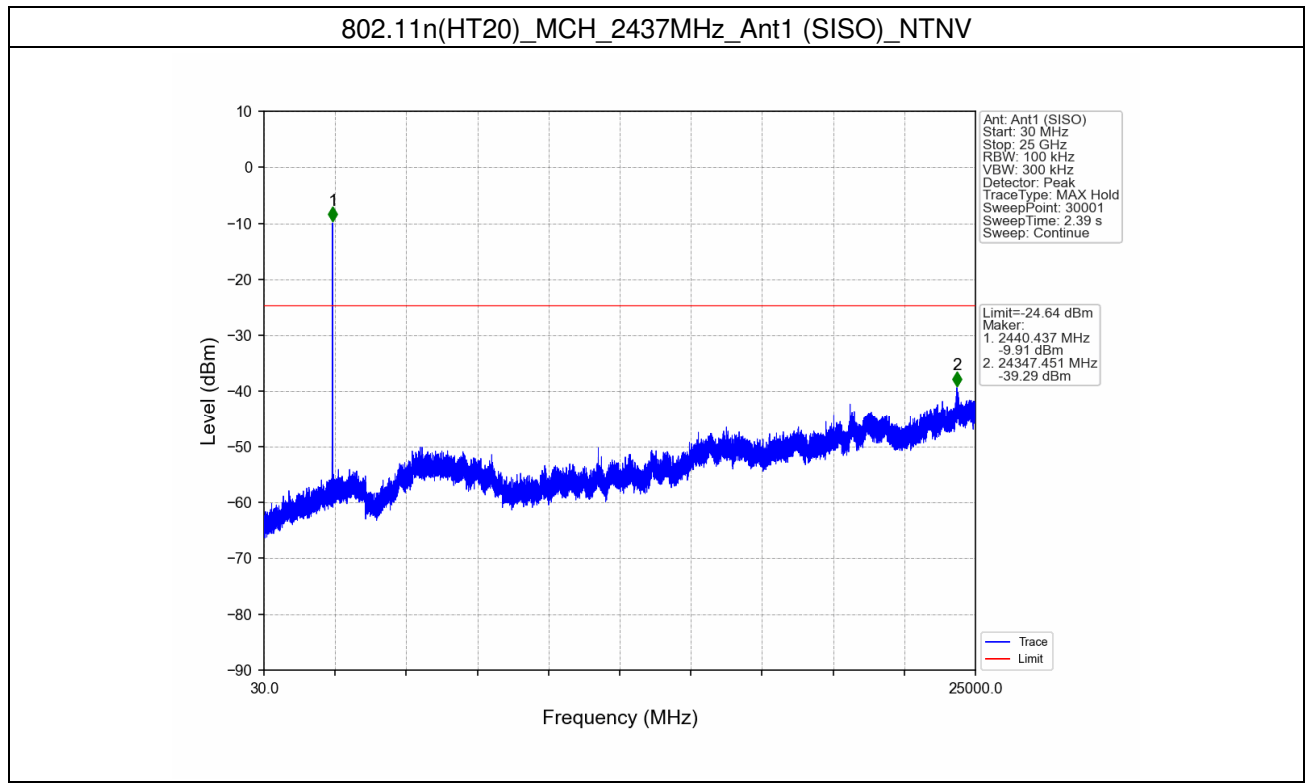
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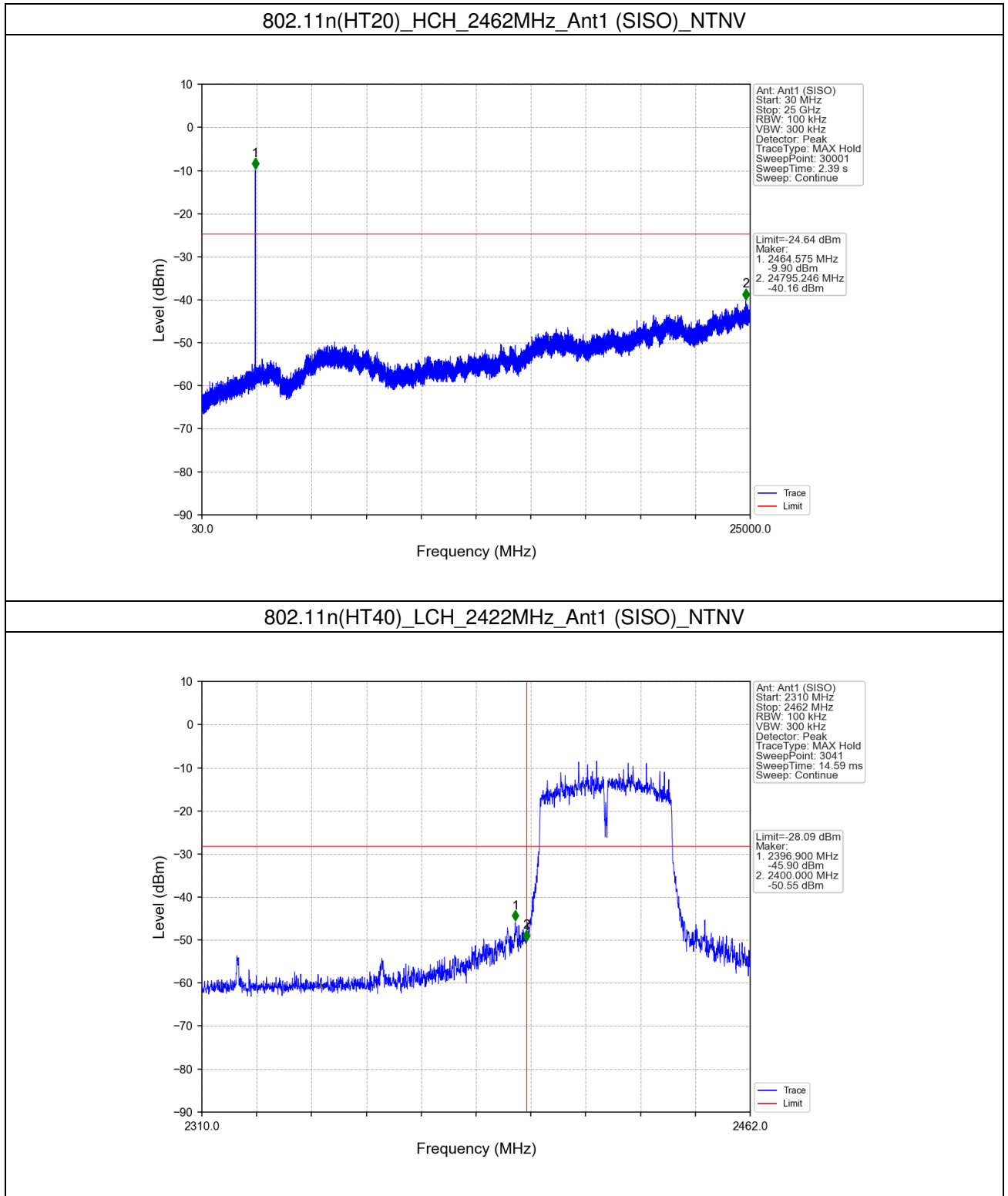
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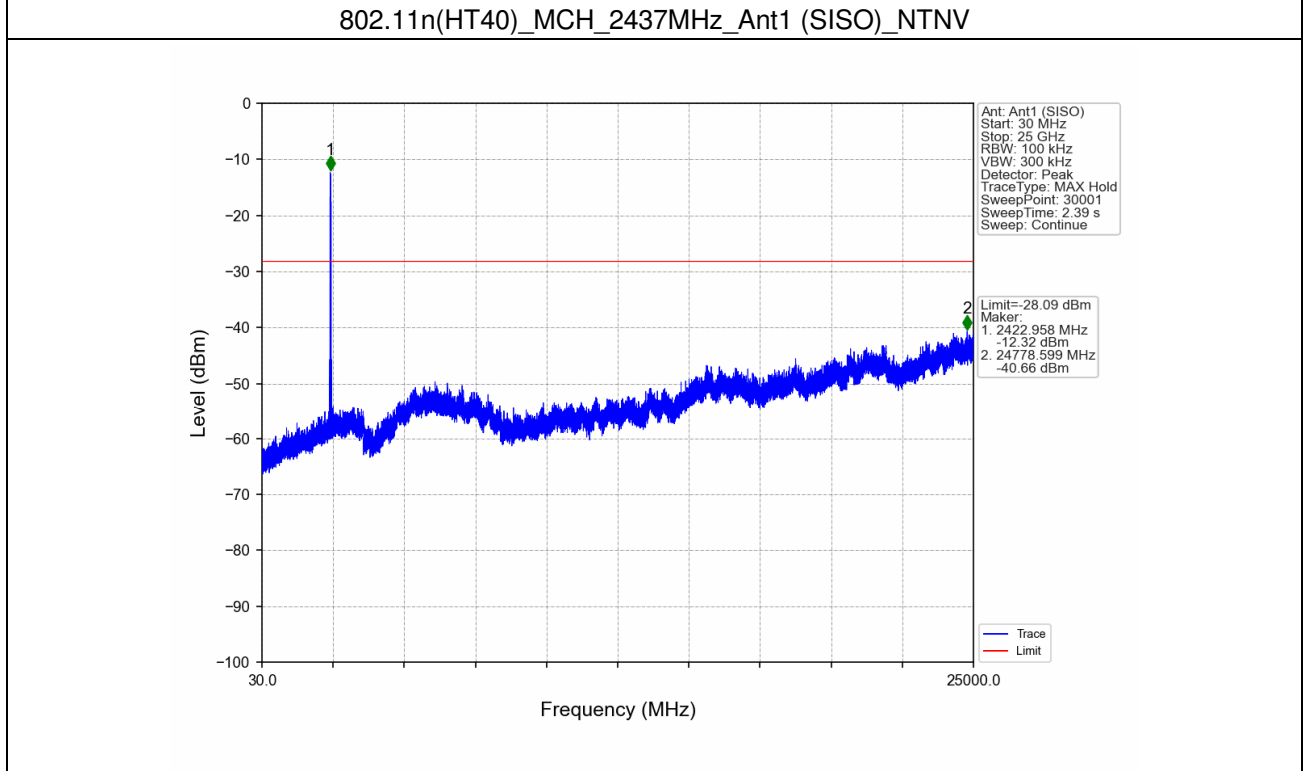
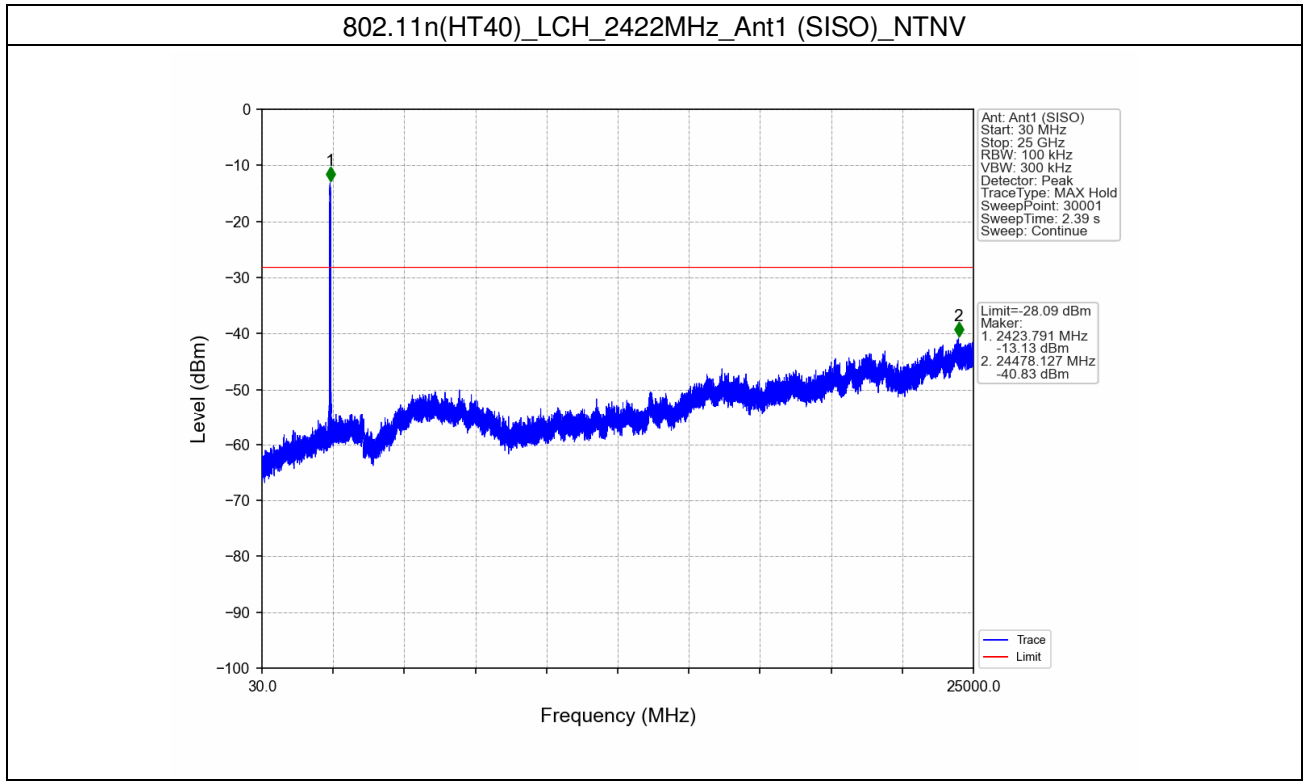
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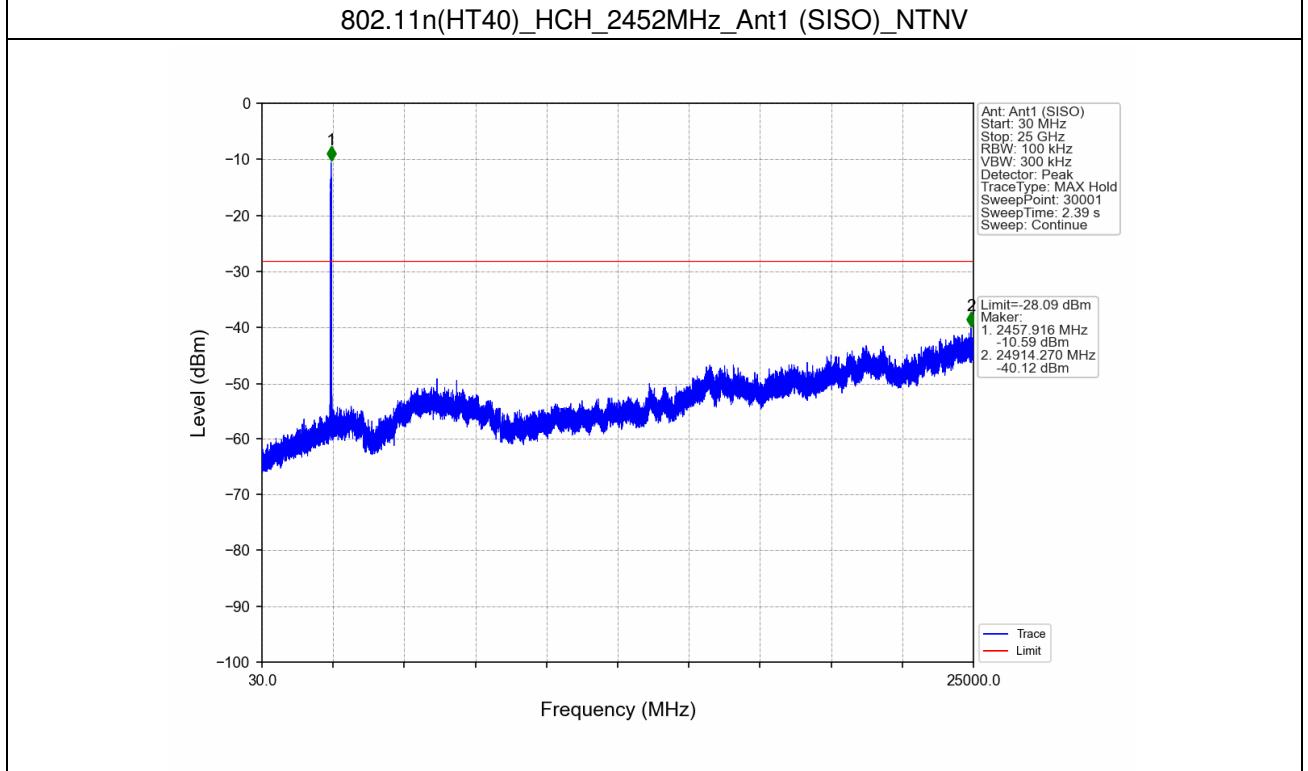
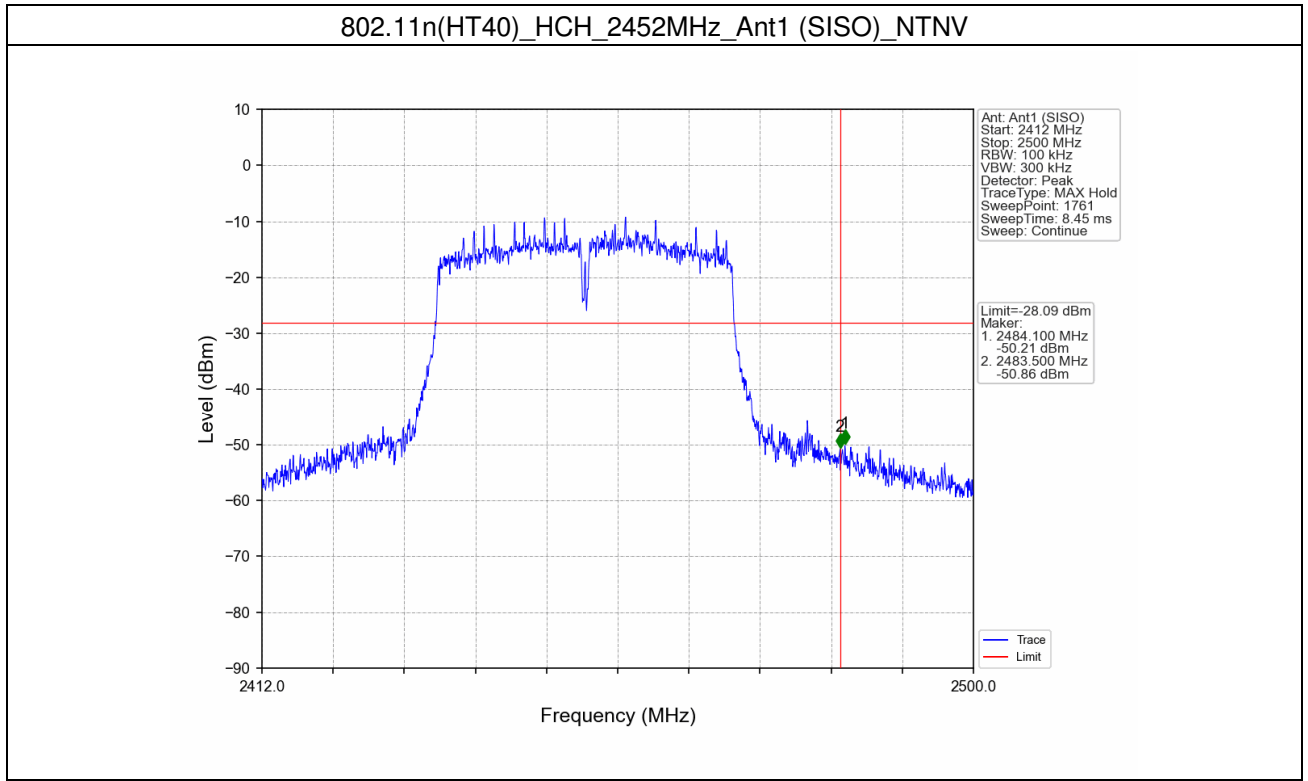
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