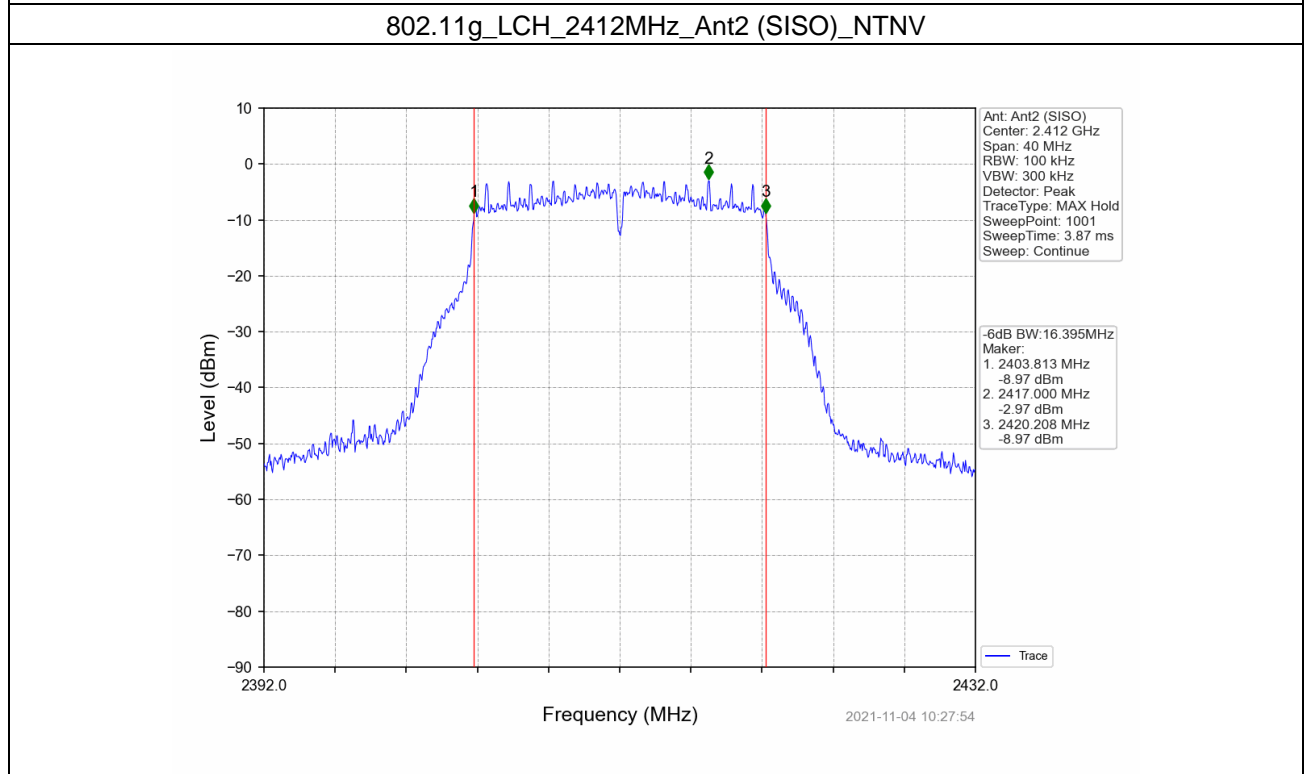
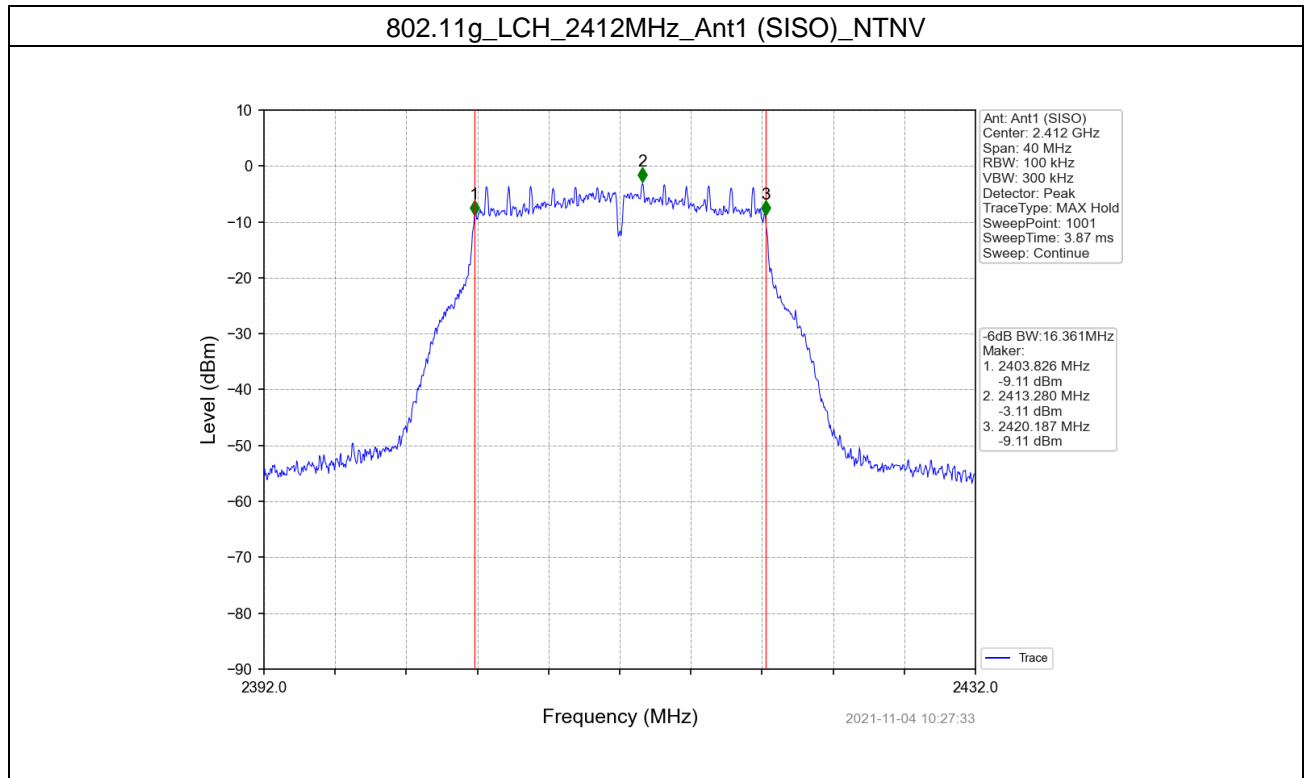


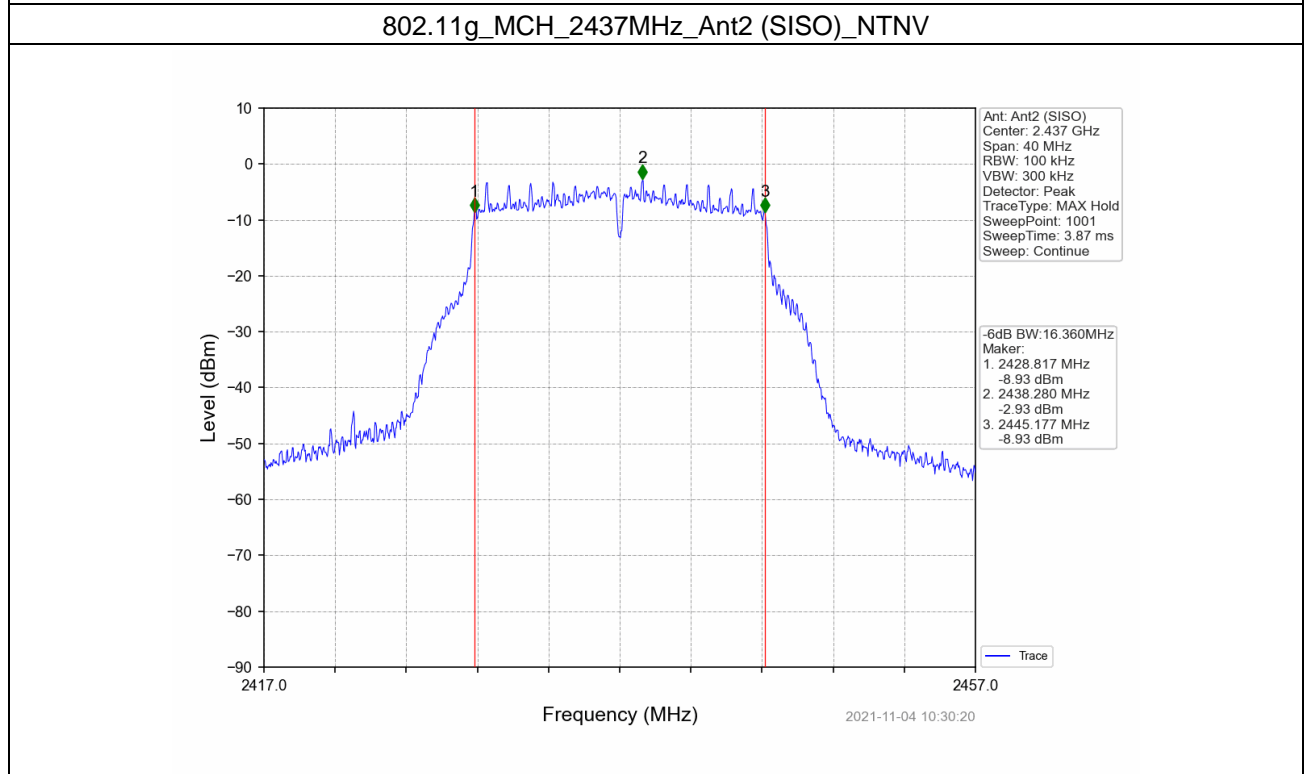
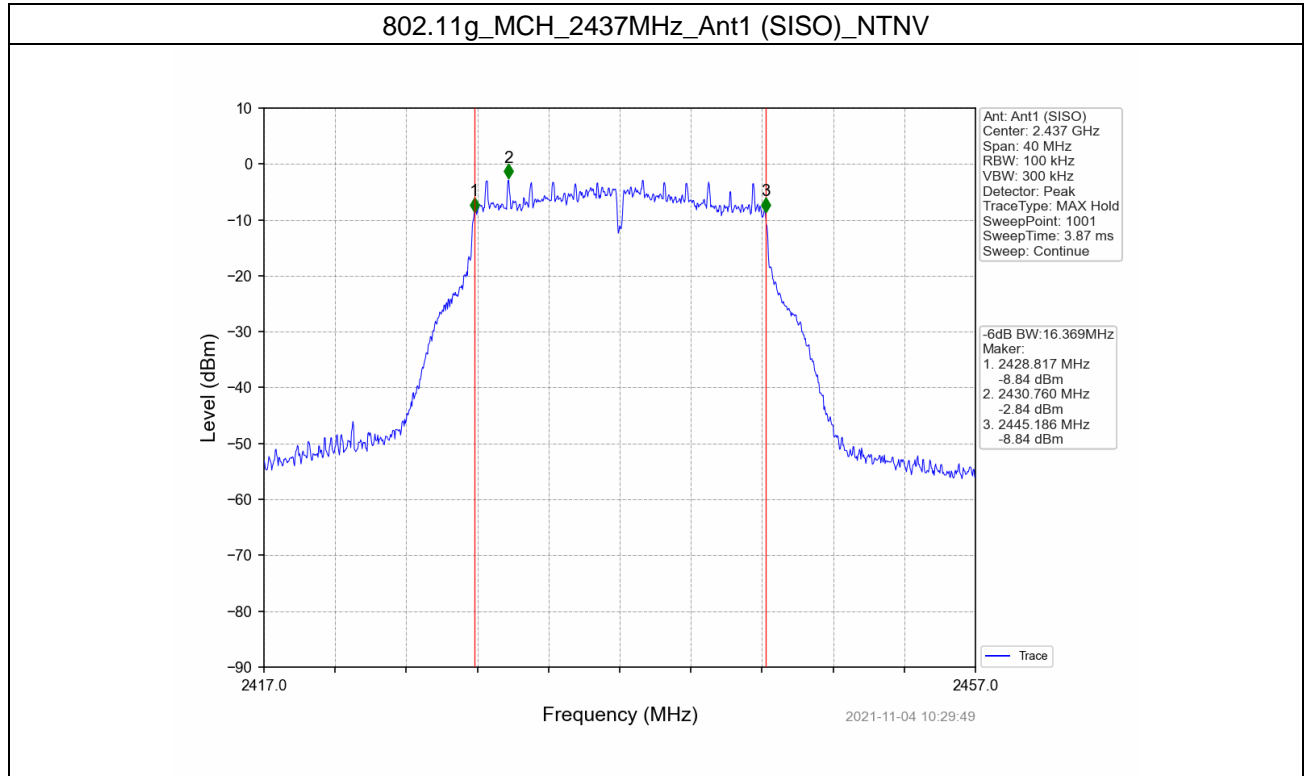
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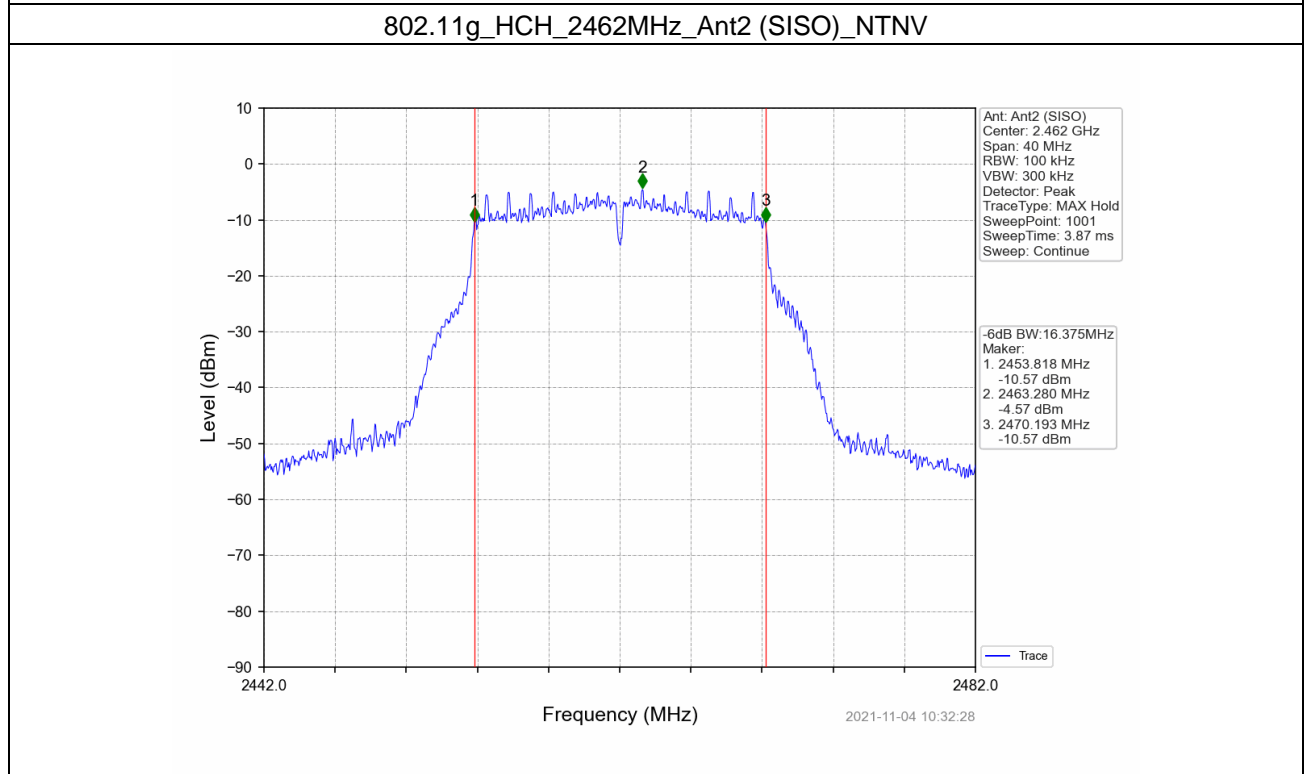
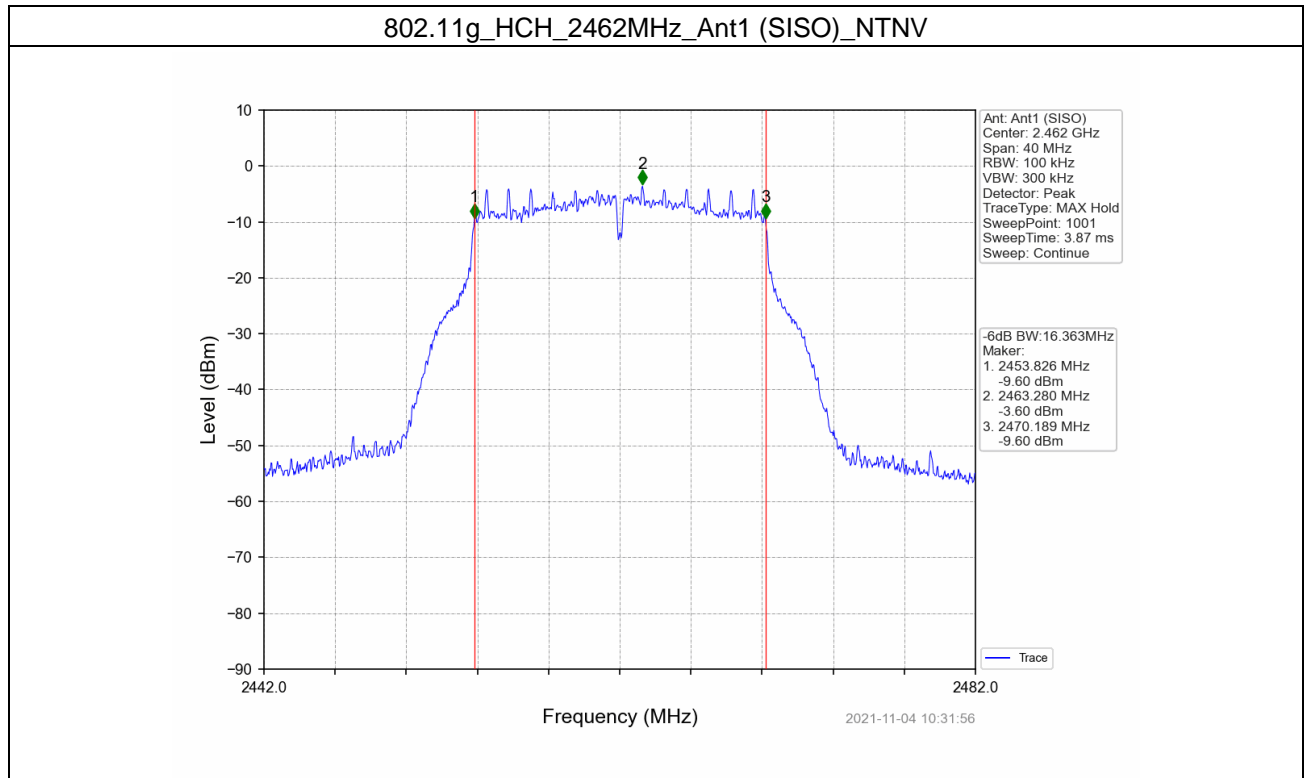
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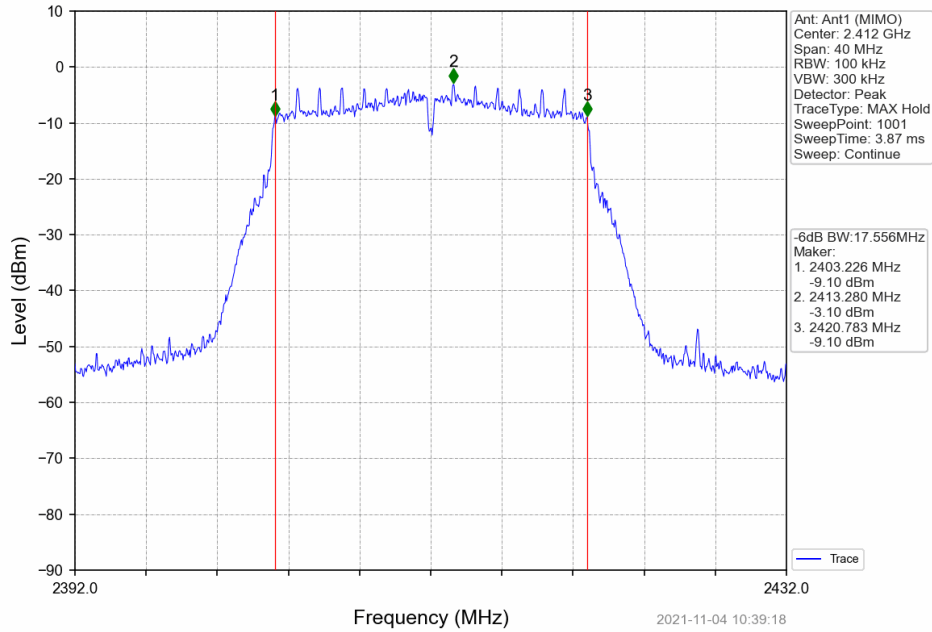


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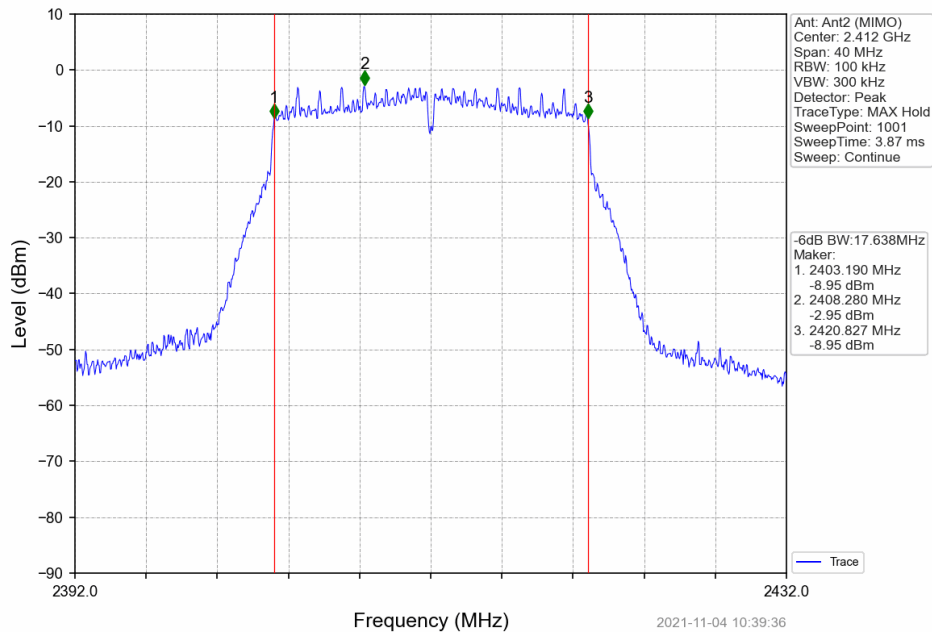


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802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



802.11n(HT20)_LCH_2412MHz_Ant2 (MIMO)_NTNV

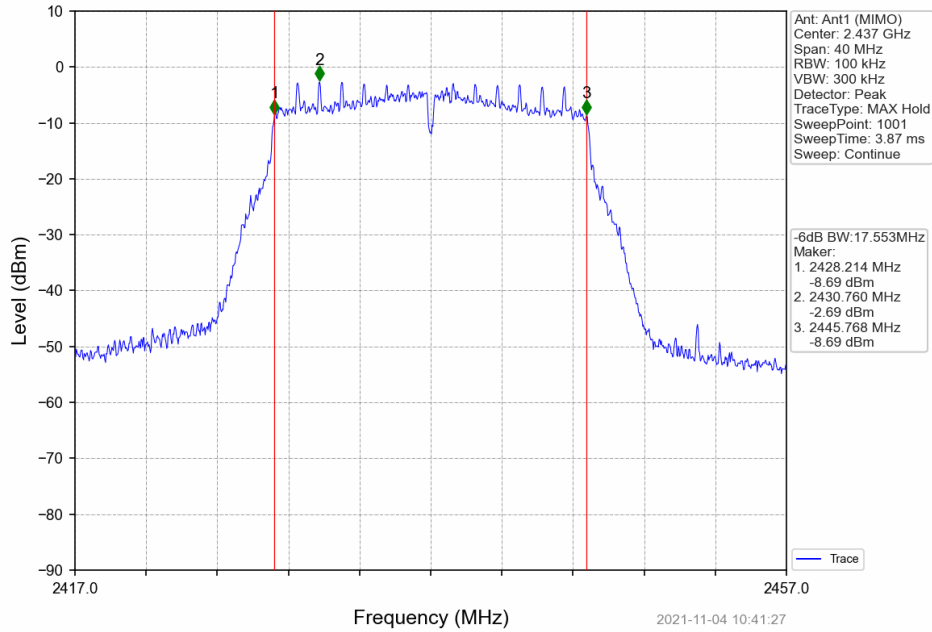


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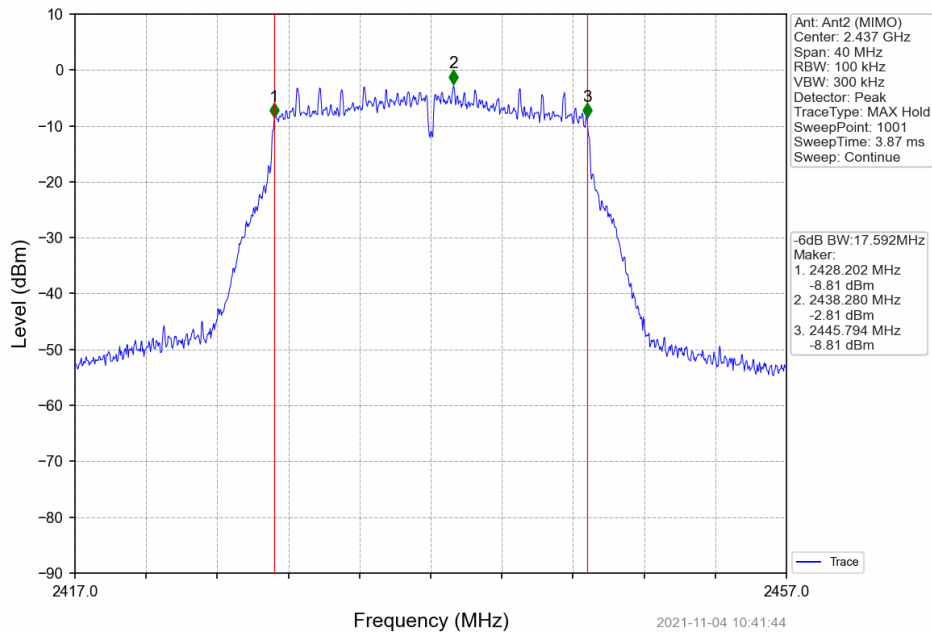
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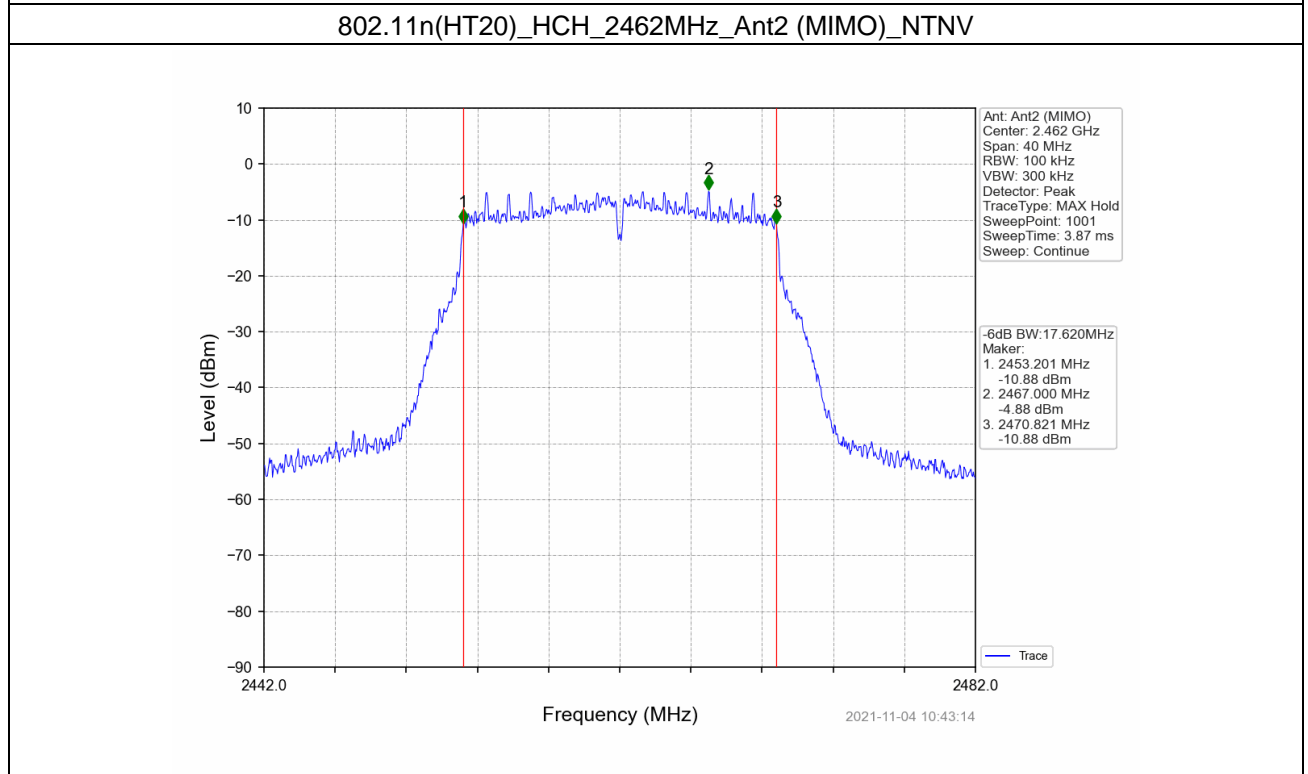
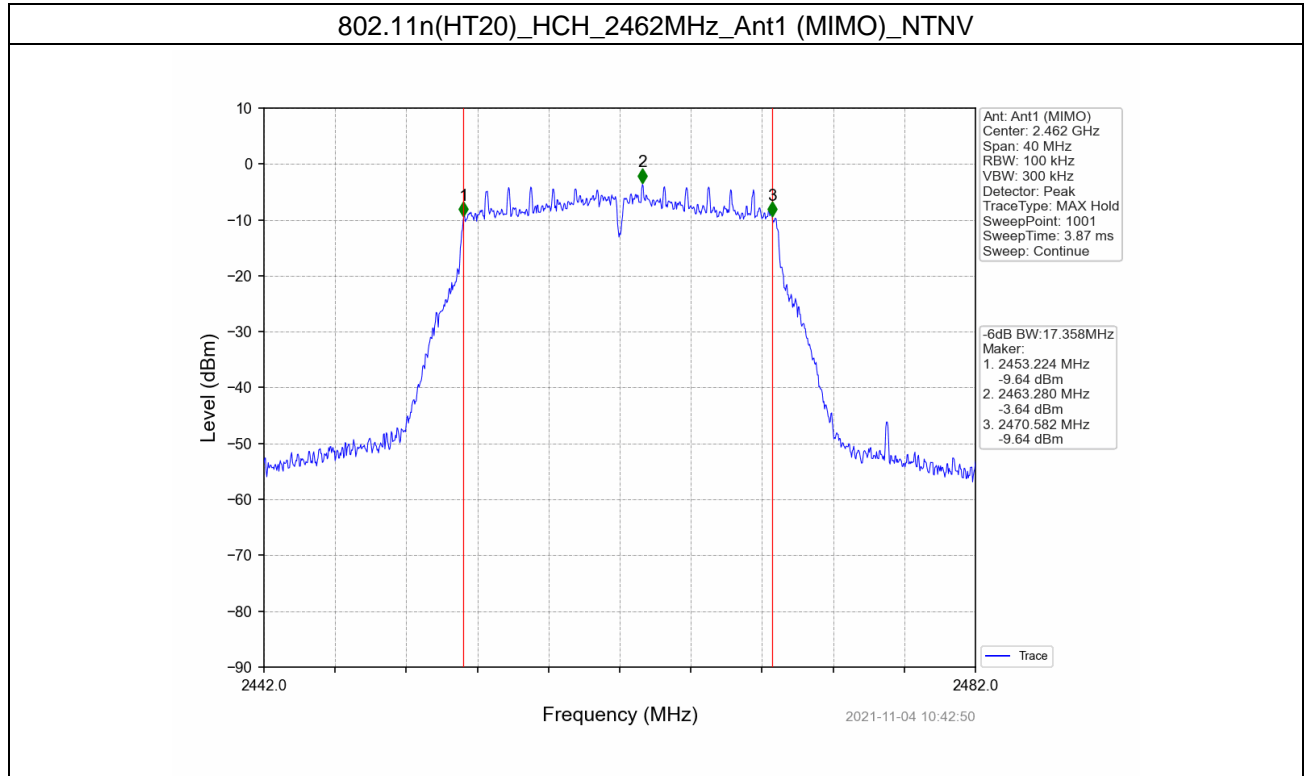
802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



802.11n(HT20)_MCH_2437MHz_Ant2 (MIMO)_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	Ant2	MIMO	Limit	
802.11b	SISO	2412	10.64	11.82	/	<=30	Pass
		2437	11.36	11.32	/	<=30	Pass
		2462	10.13	10.04	/	<=30	Pass
802.11g	SISO	2412	15.92	16.90	/	<=30	Pass
		2437	16.44	16.53	/	<=30	Pass
		2462	15.39	14.92	/	<=30	Pass
802.11n (HT20)	MIMO	2412	15.86	16.84	19.39	<=30	Pass
		2437	16.48	16.59	19.55	<=30	Pass
		2462	15.28	14.81	18.06	<=30	Pass

Note1: Antenna Gain: Ant1: 5.00dBi; Ant2: 5.00dBi;

Note2:

Ant1 power: Ant 1 conducted power + duty cycle factor.

Ant2 power: Ant 2 conducted power + duty cycle factor.

MIMO power: Ant 1 conducted power + duty cycle factor + Ant 2 conducted power + duty cycle factor.

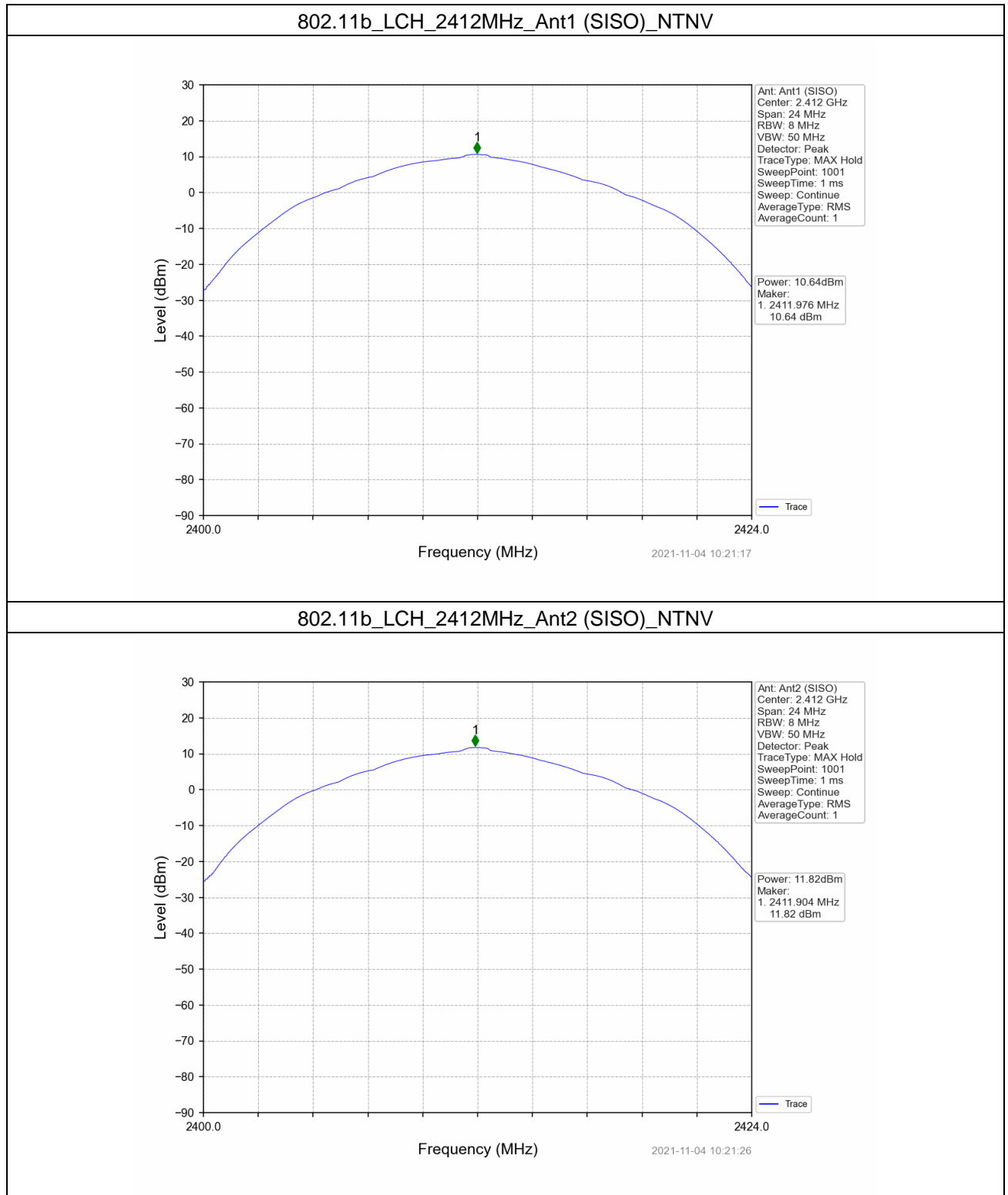
The Duty Cycle Factor is compensated in the conducted power test graph



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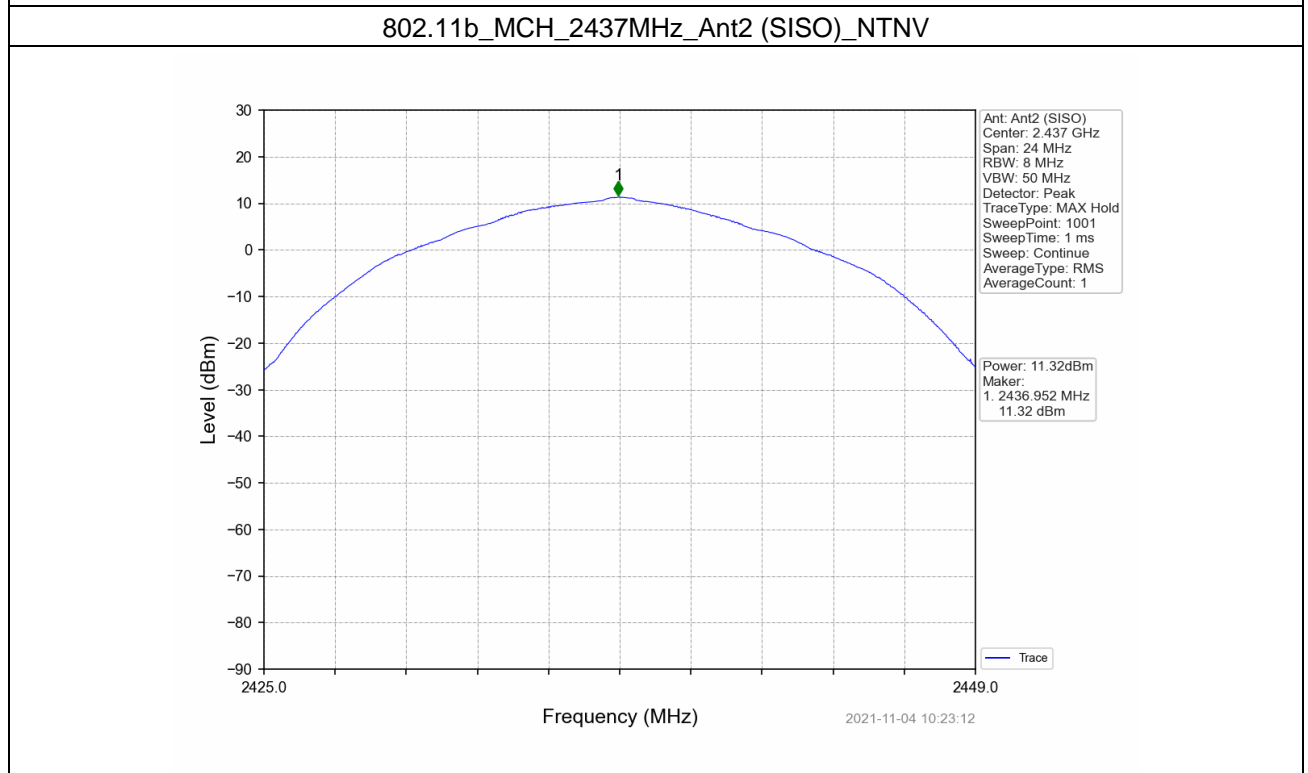
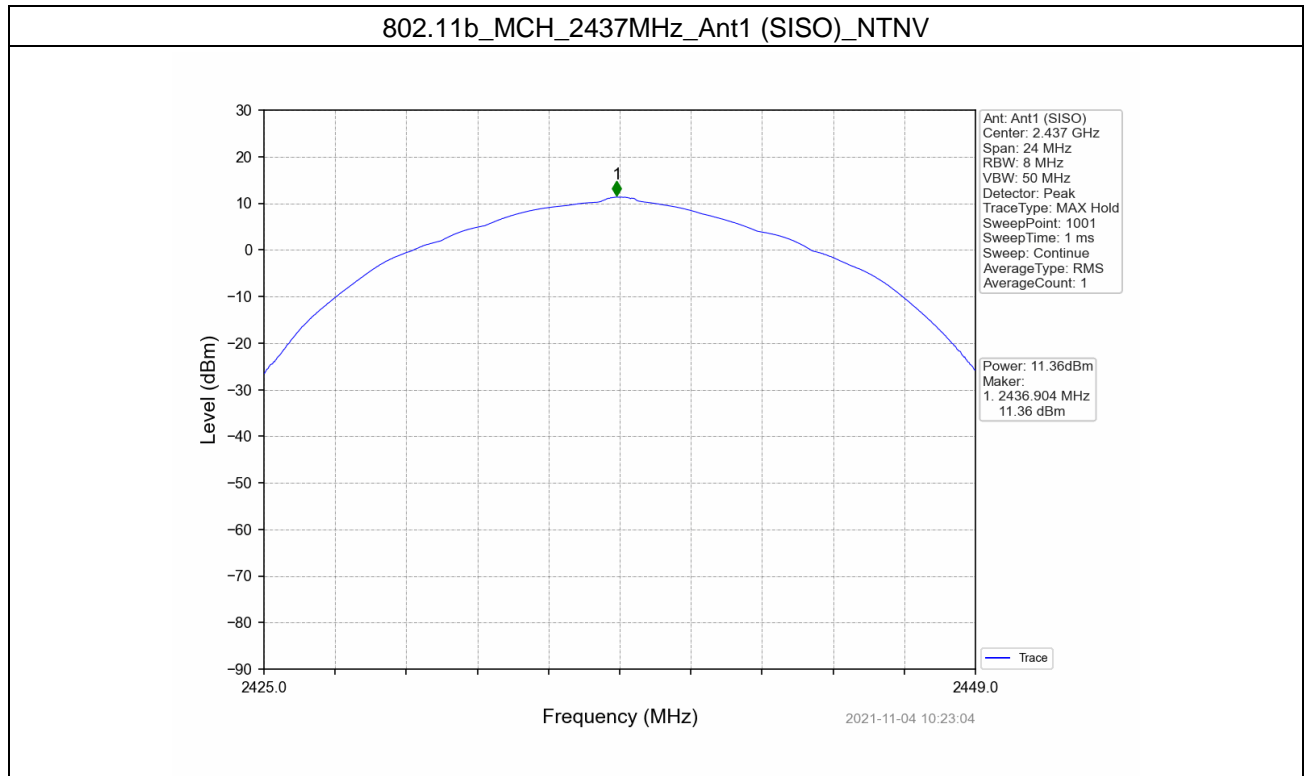
3.1.2 Test Graph



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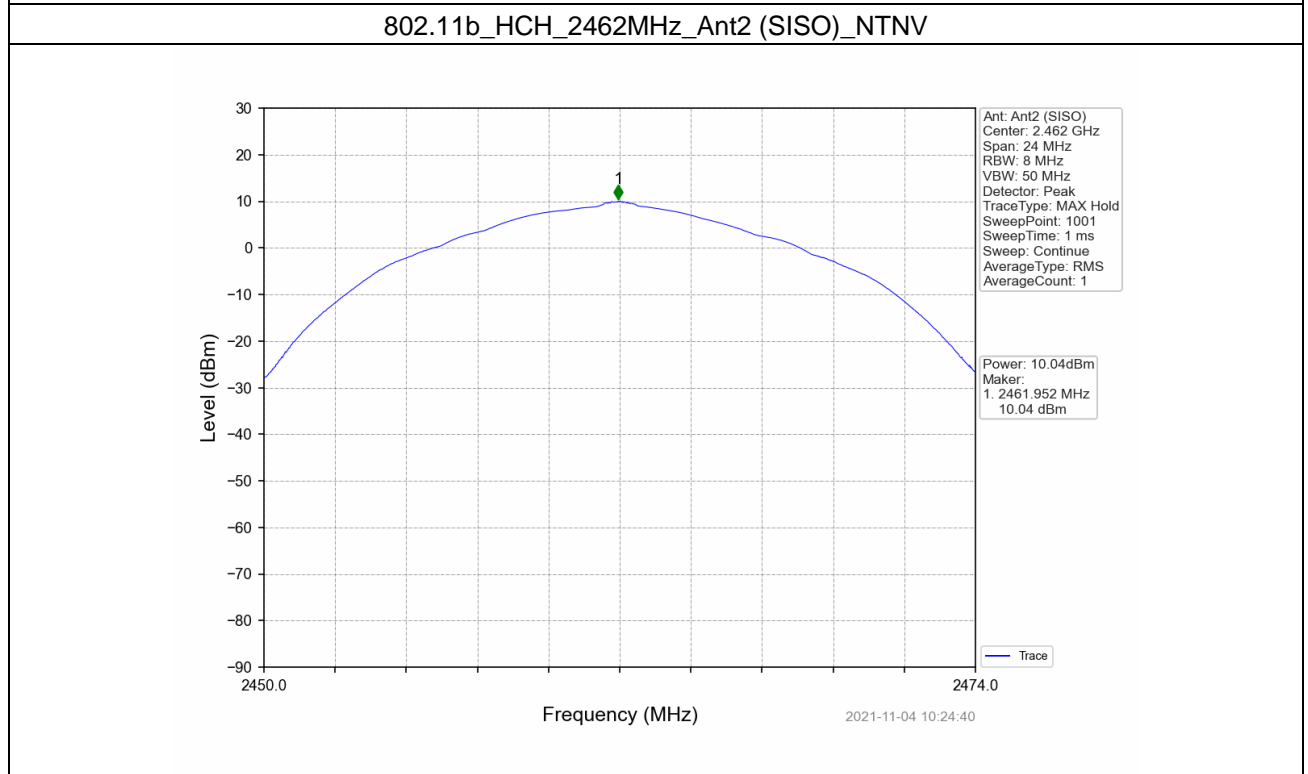
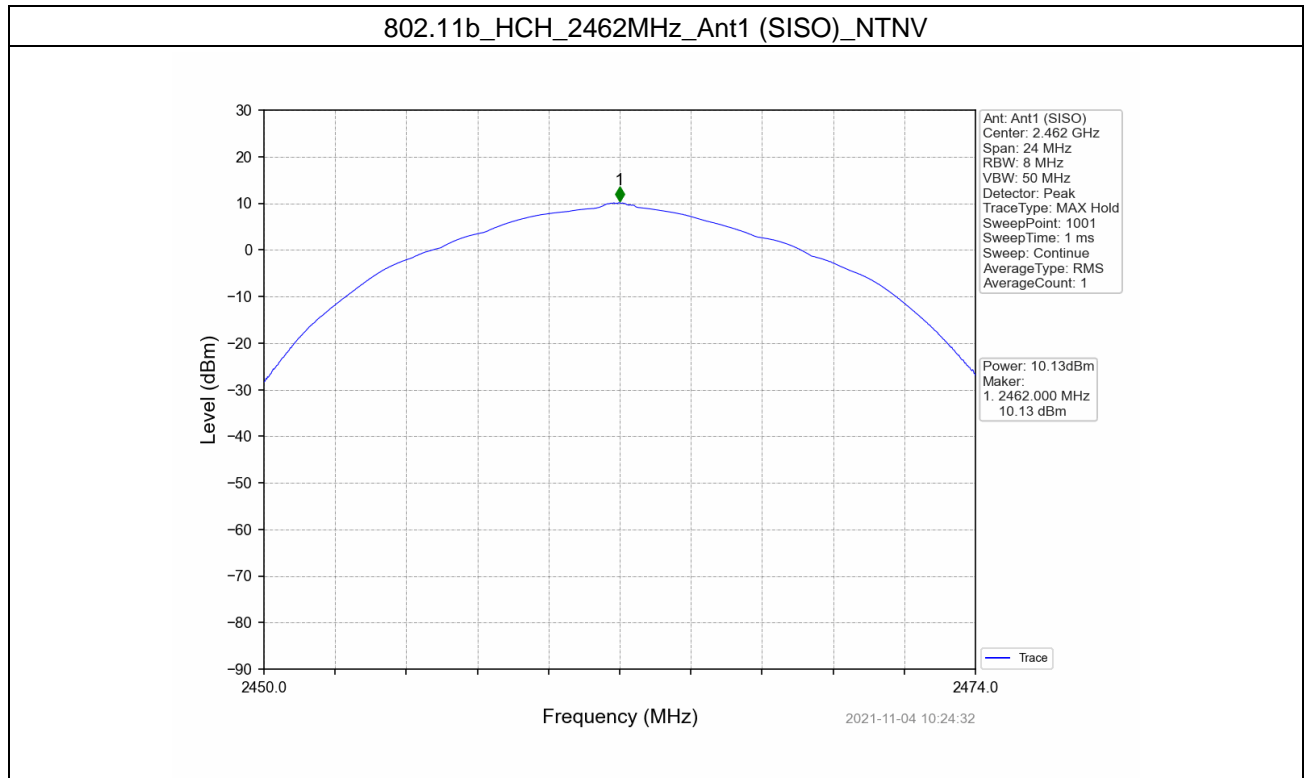
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4. Maximum Power Spectral Density

4.1 PSD

4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)				Verdict
			Ant1	Ant2	MIMO	Limit	
802.11b	SISO	2412	-15.55	-14.24	/	<=8	Pass
		2437	-15.79	-15.31	/	<=8	Pass
		2462	-15.03	-16.97	/	<=8	Pass
802.11g	SISO	2412	-15.63	-14.94	/	<=8	Pass
		2437	-15.35	-16.07	/	<=8	Pass
		2462	-16.74	-17.49	/	<=8	Pass
802.11n (HT20)	MIMO	2412	-16.64	-16.01	-13.97	<=8	Pass
		2437	-15.99	-16.96	-13.44	<=8	Pass
		2462	-17.73	-18.09	-15.20	<=8	Pass

Note1: Antenna Gain: Ant1: 5.00dBi; Ant2: 5.00dBi;

Note2:

Ant1 power spectral density: Ant 1 conducted power spectral density + duty cycle factor

Ant2 power spectral density: Ant 2 conducted power spectral density + duty cycle factor

MIMO power spectral density: Ant 1 conducted power spectral density + duty cycle factor + Ant 2 conducted power spectral density + duty cycle factor.

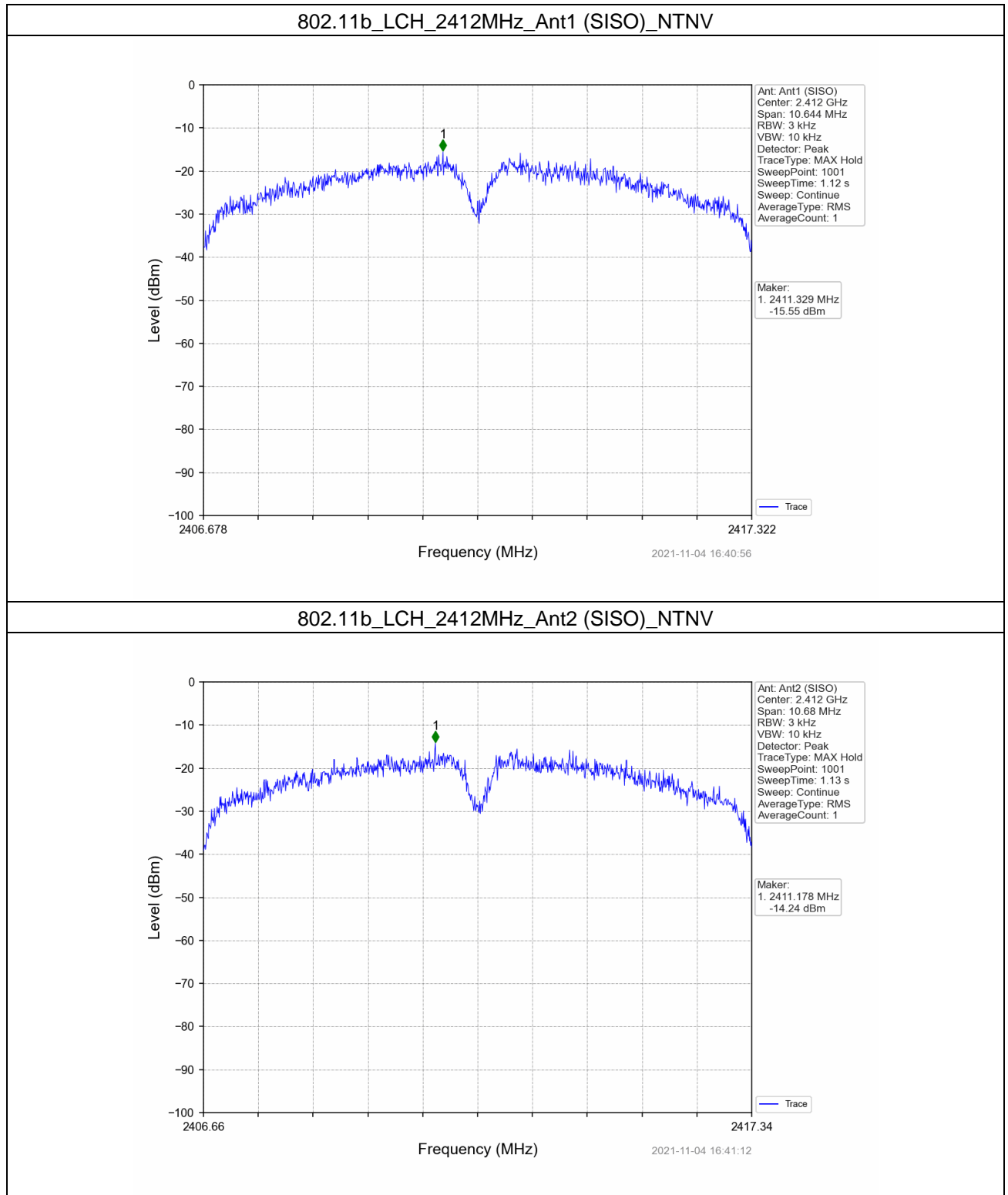
The Duty Cycle Factor is compensated in the conducted power spectral density test graph



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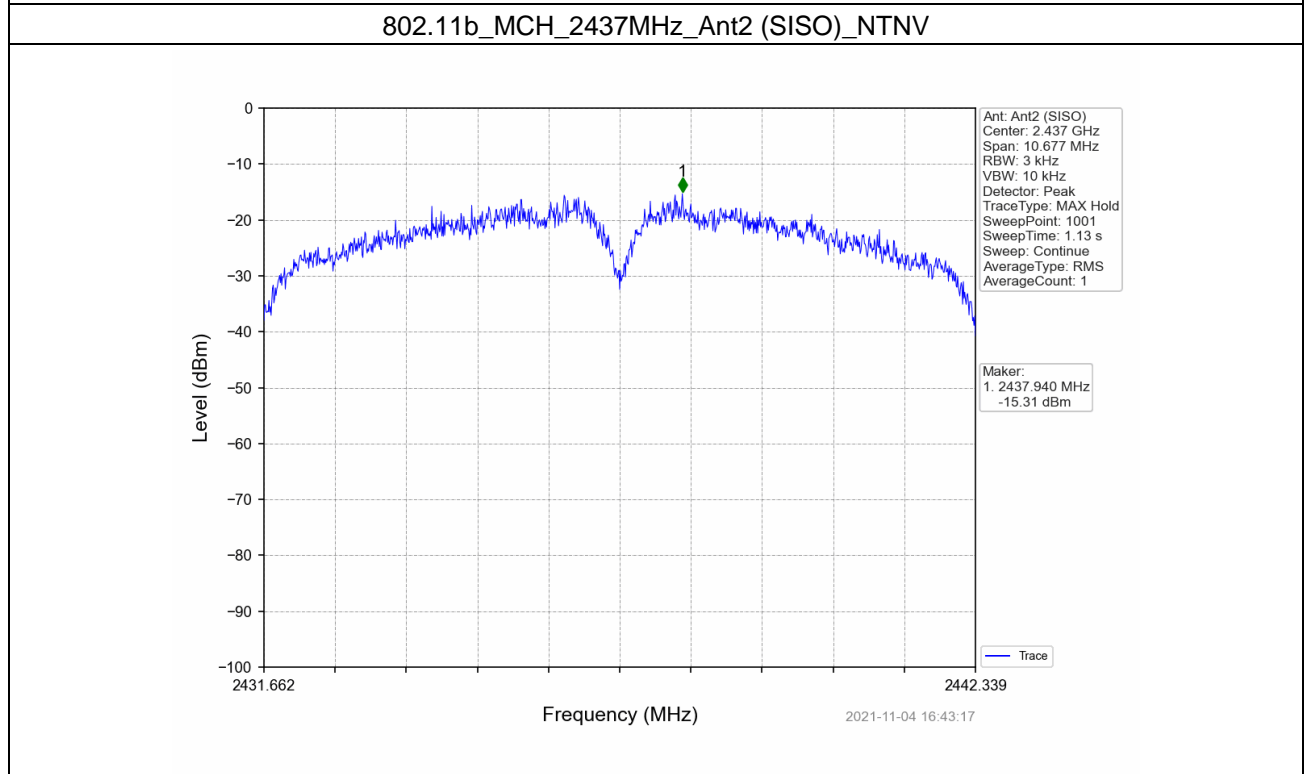
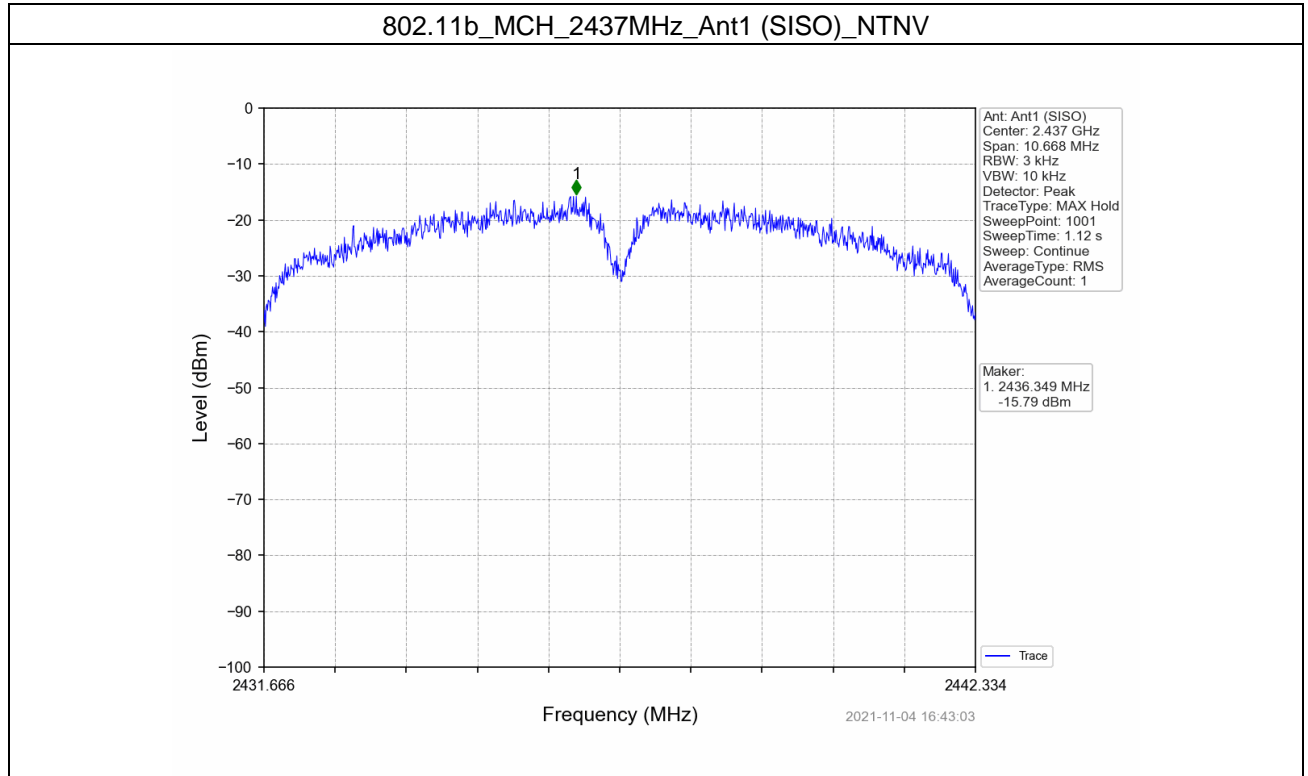
4.1.2 Test Graph



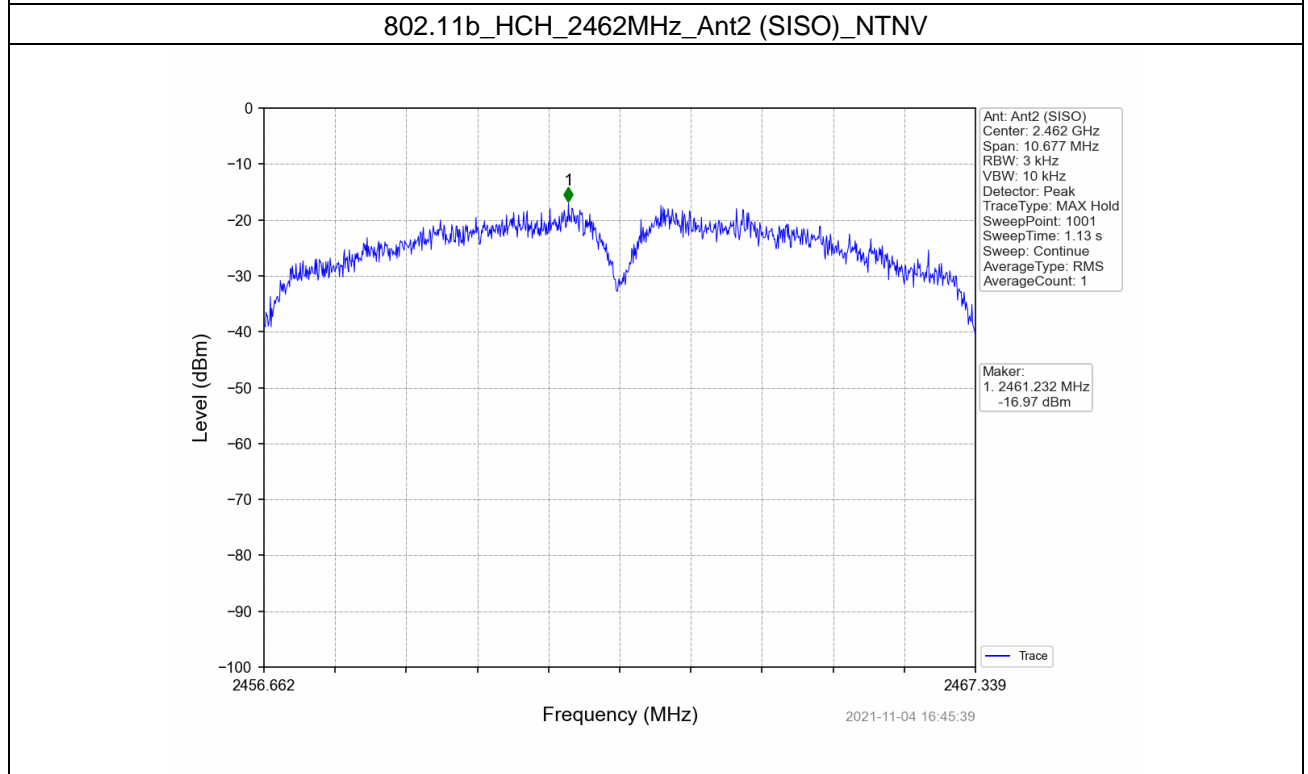
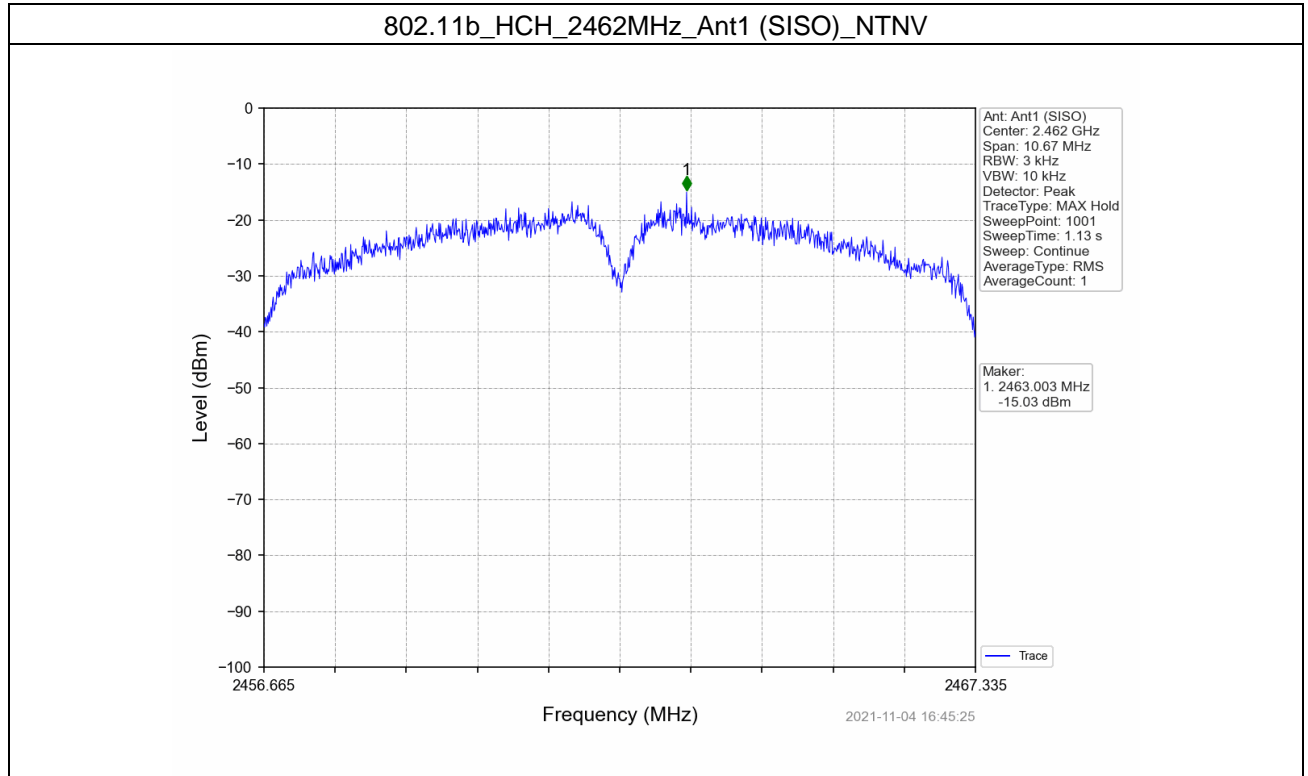
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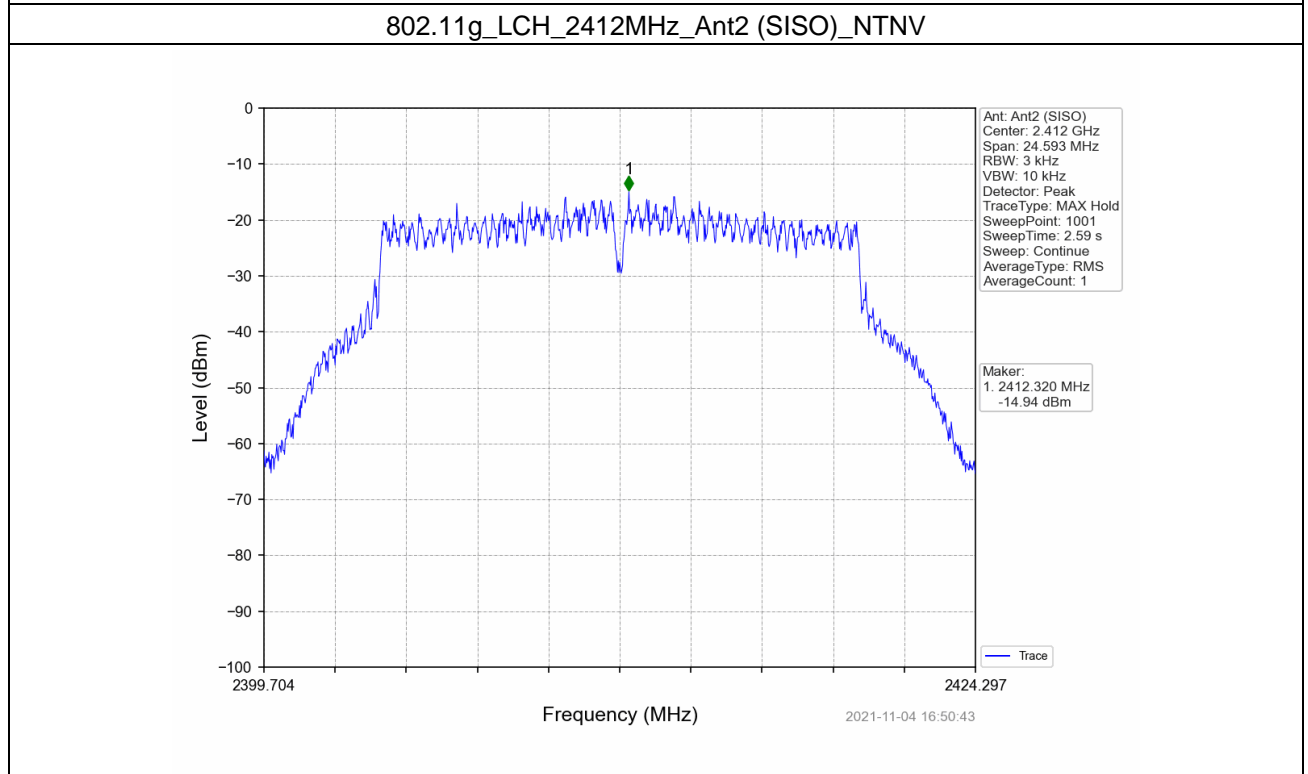
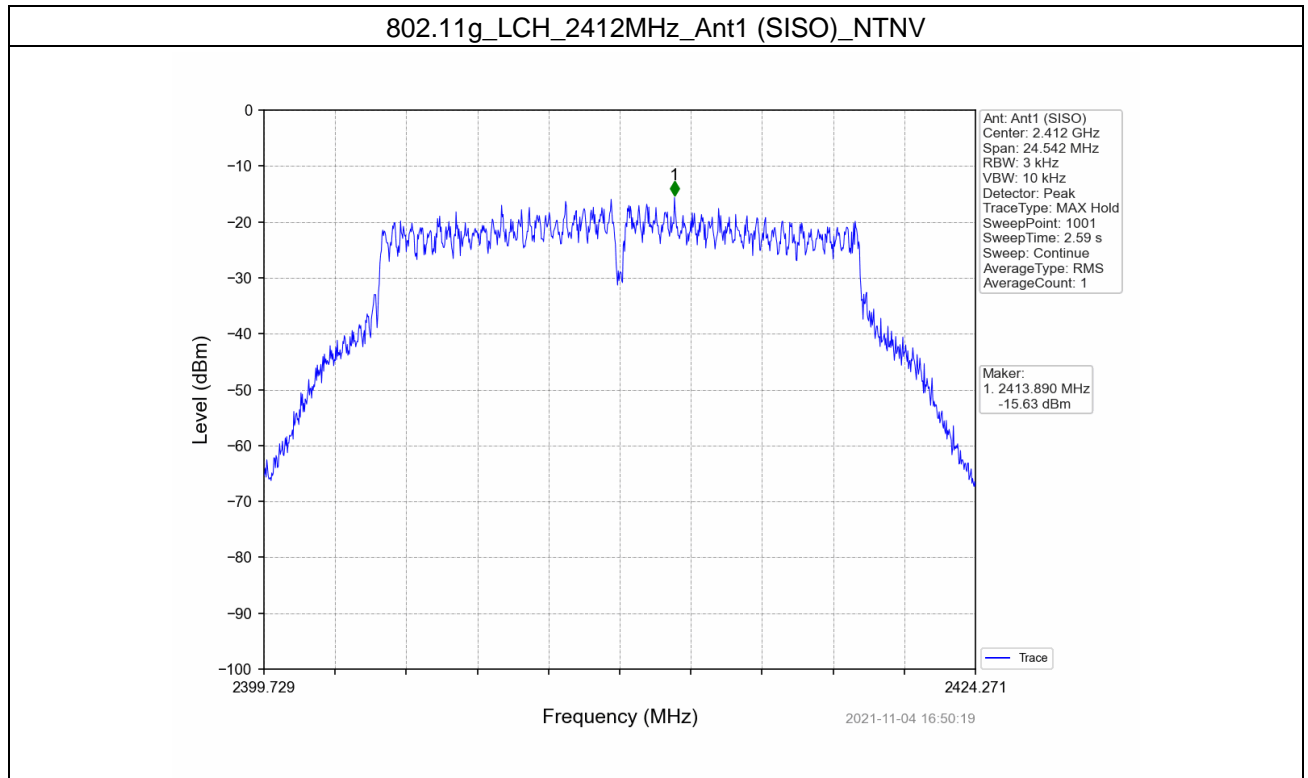
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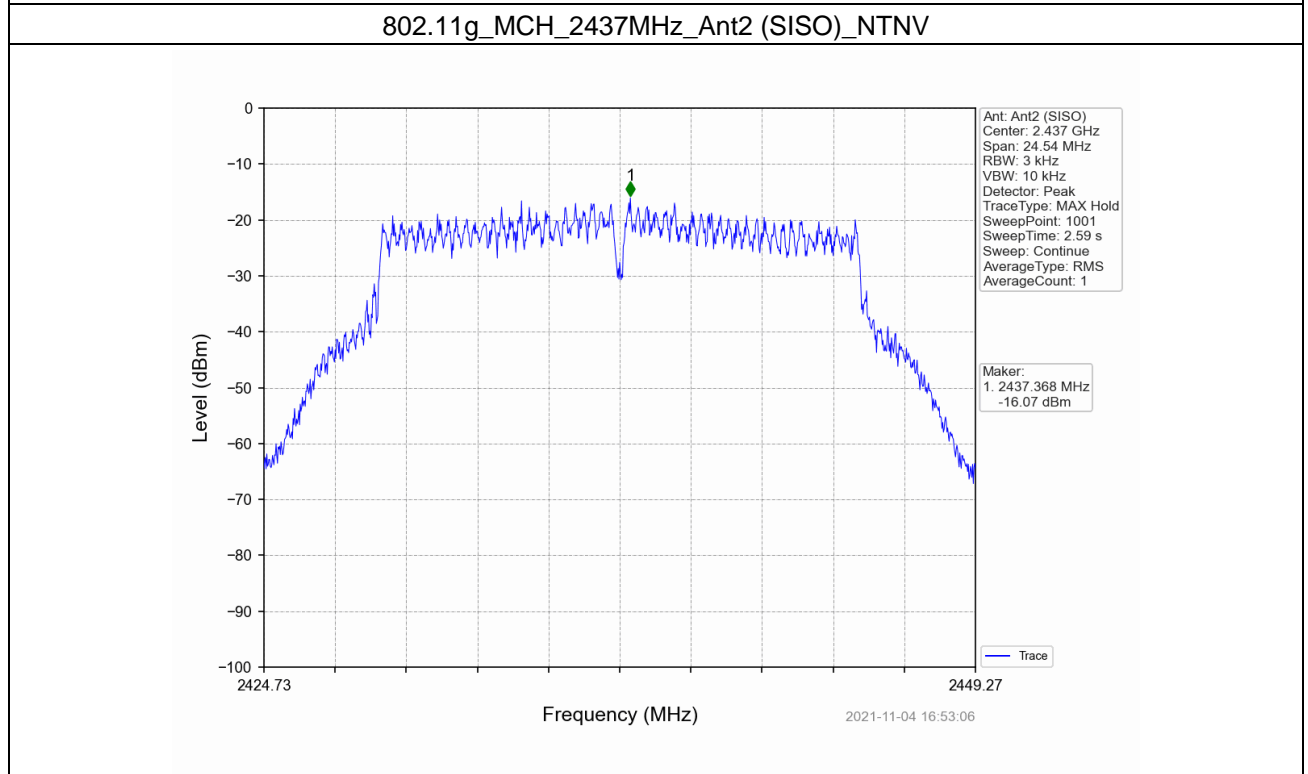
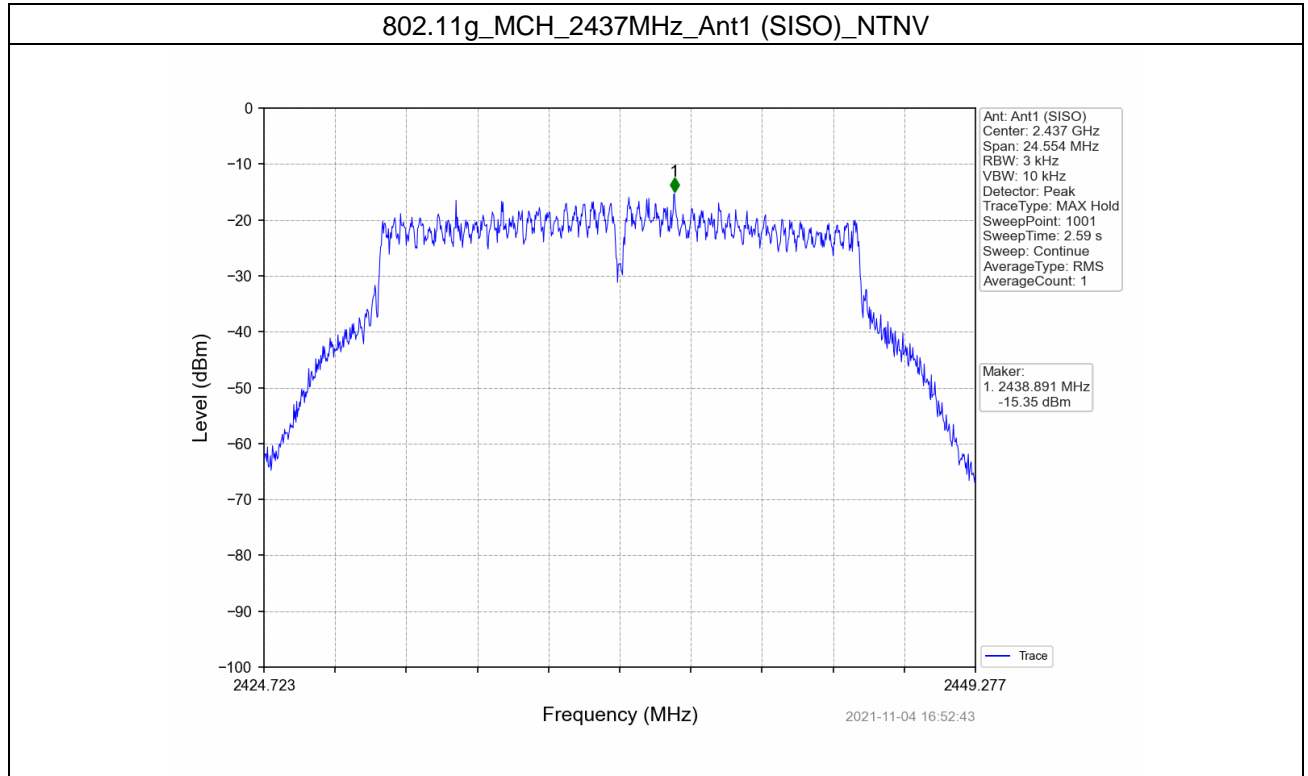
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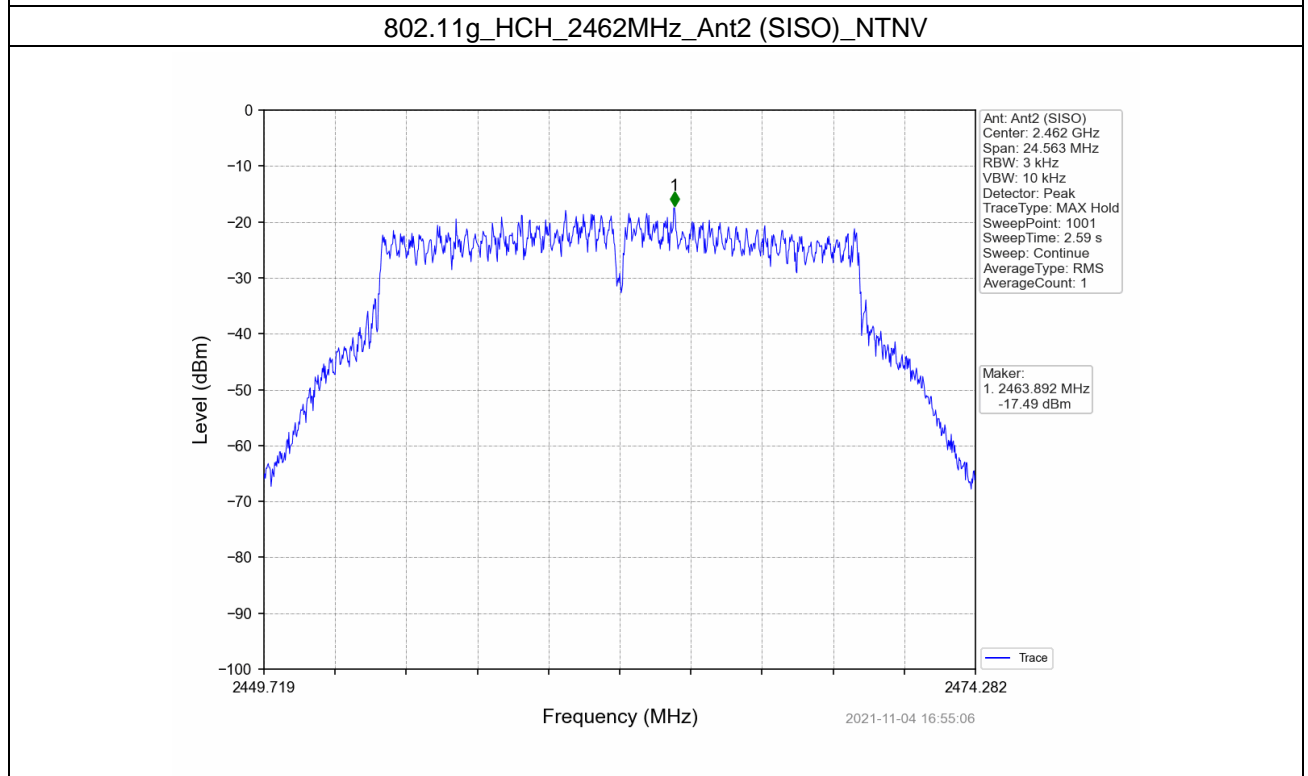
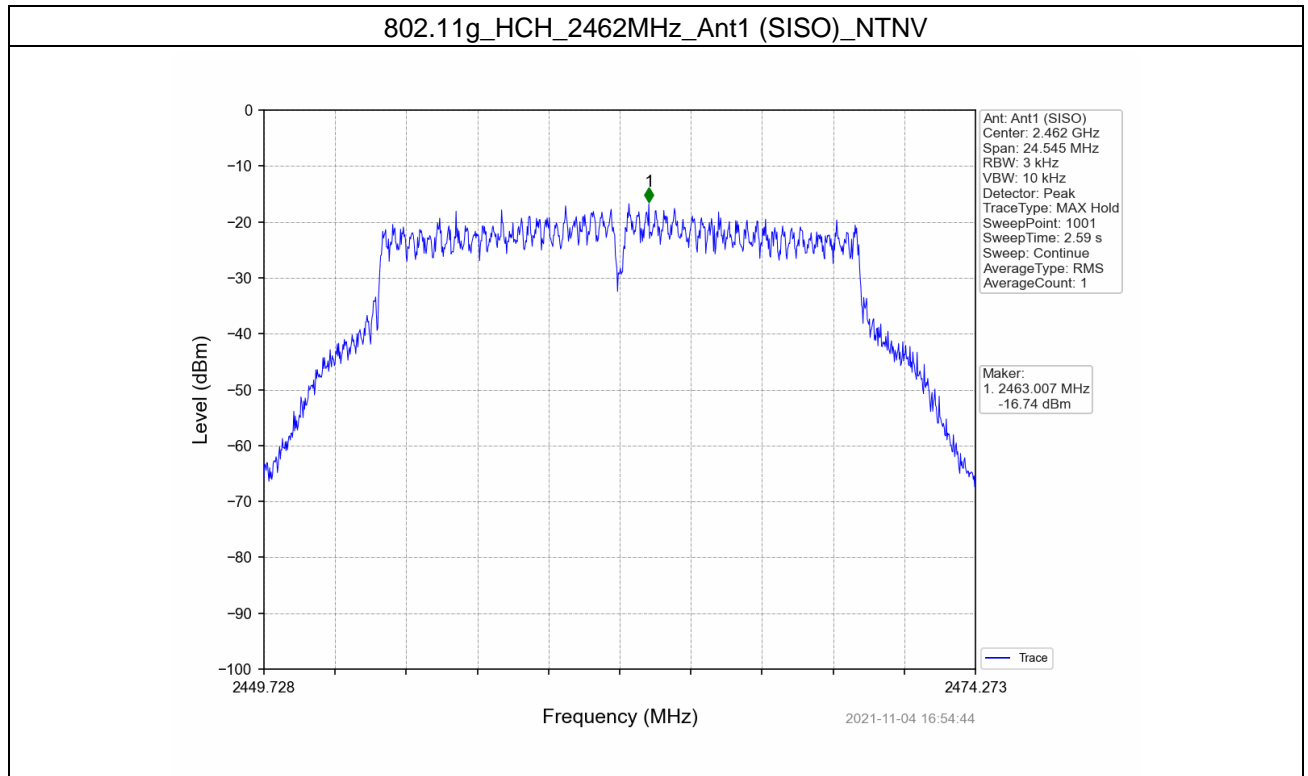


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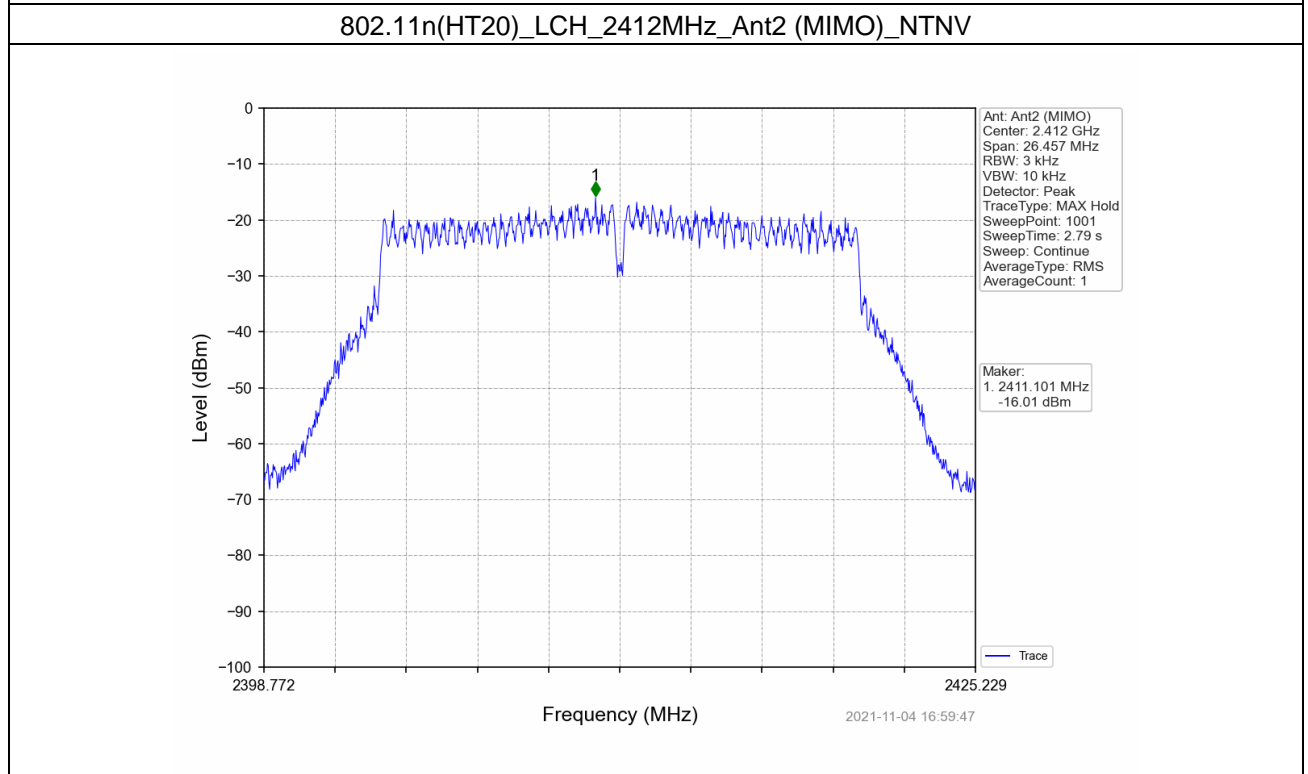
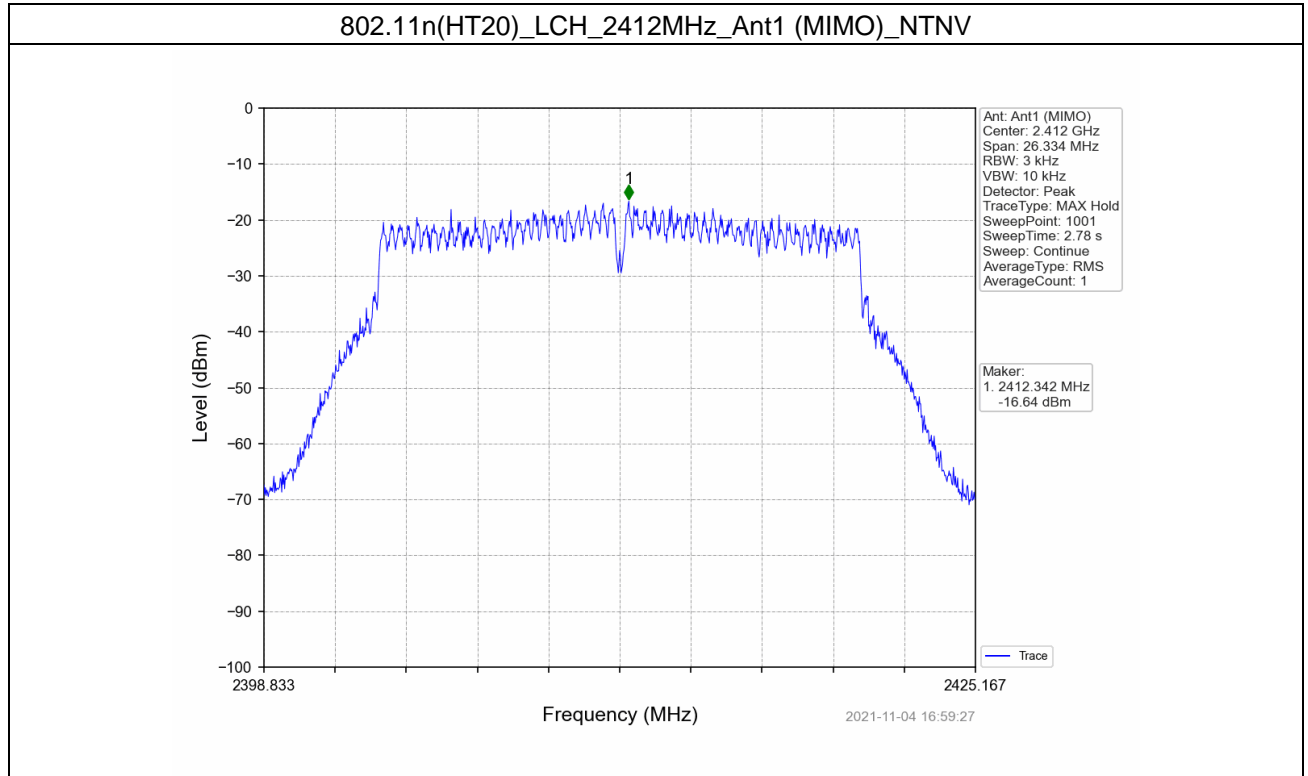
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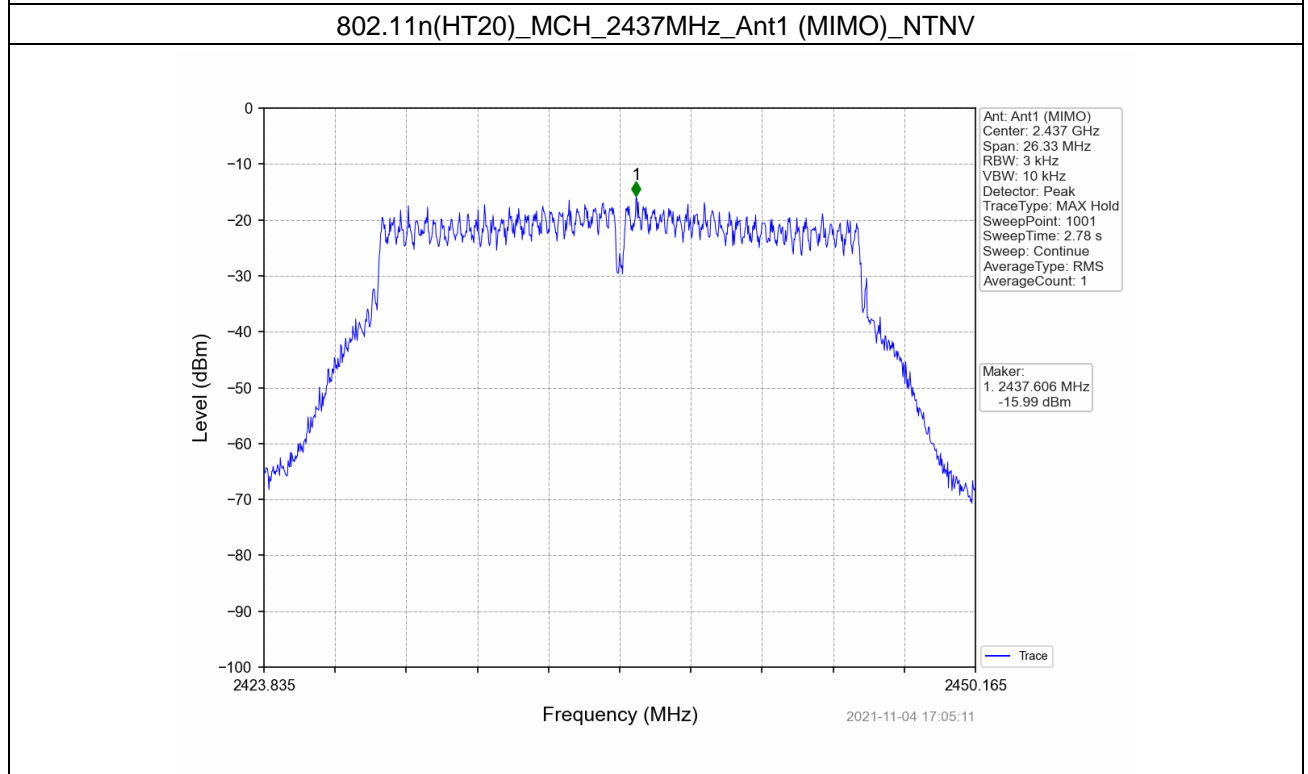
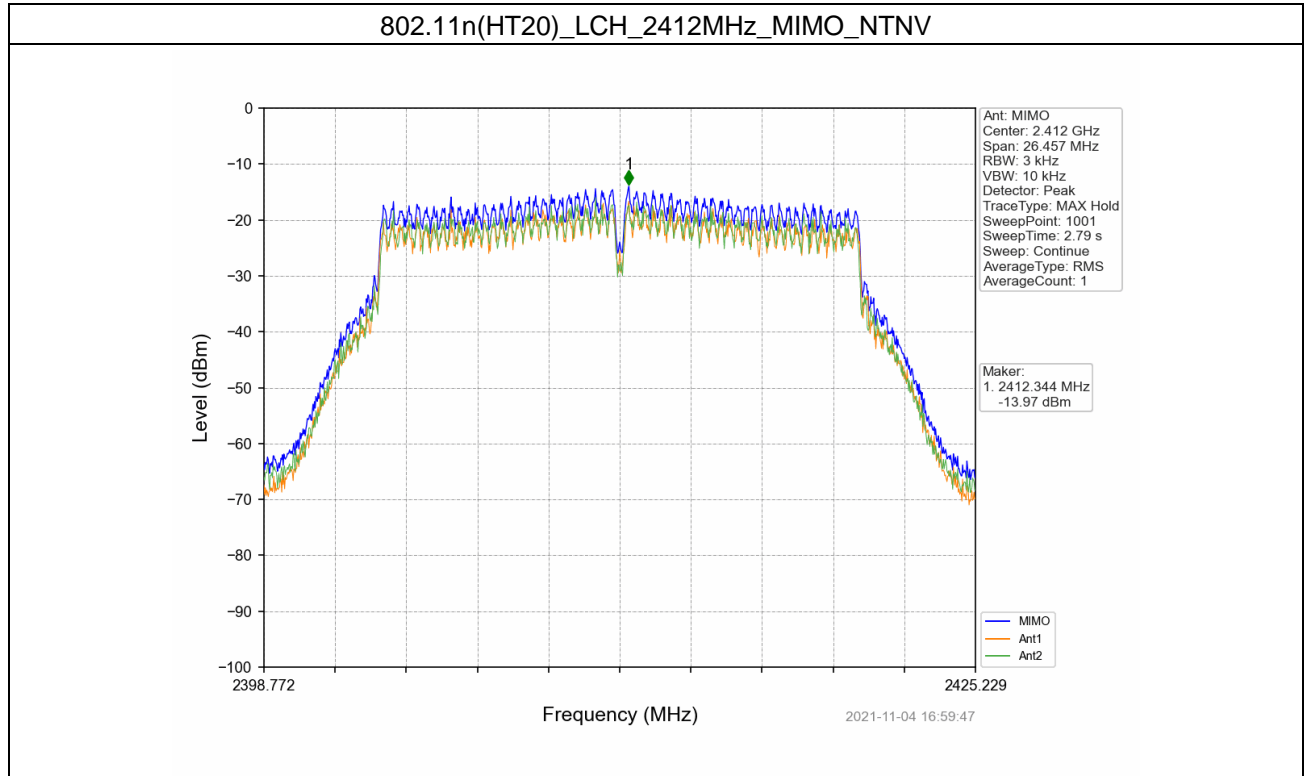
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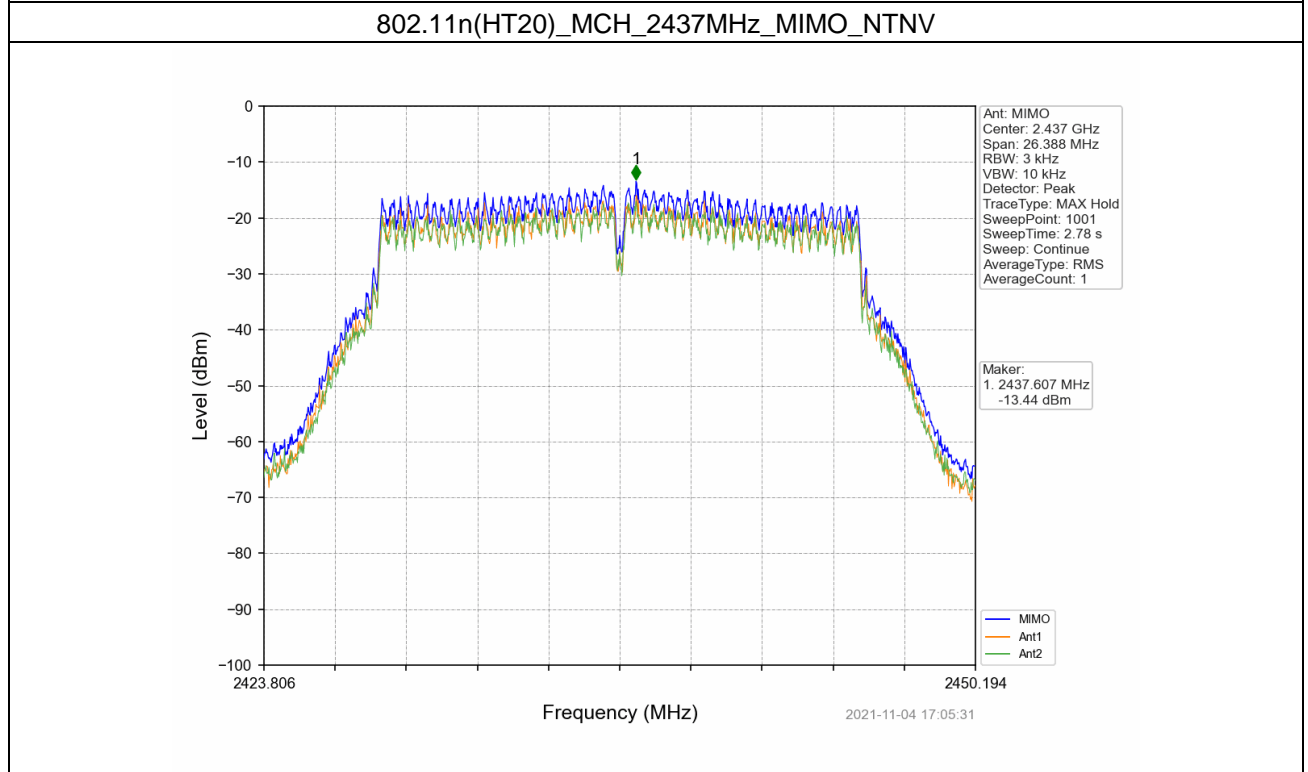
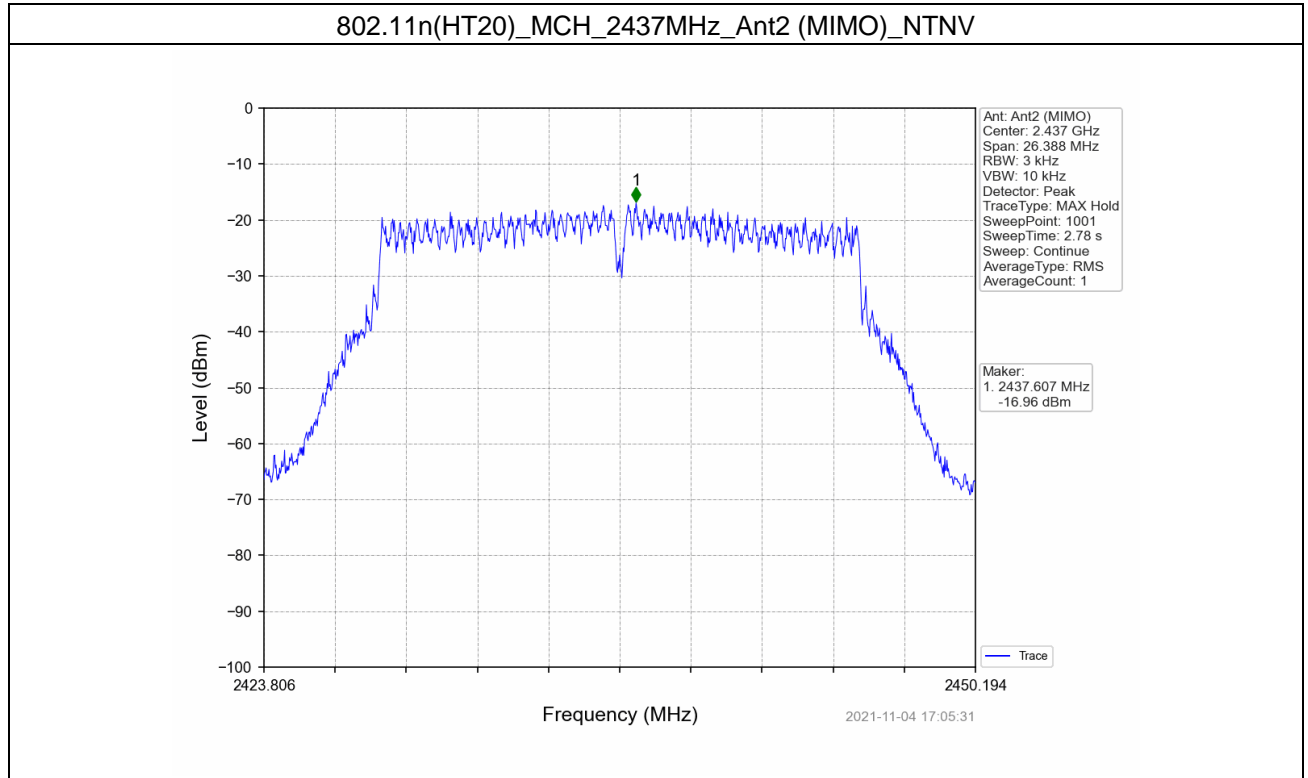


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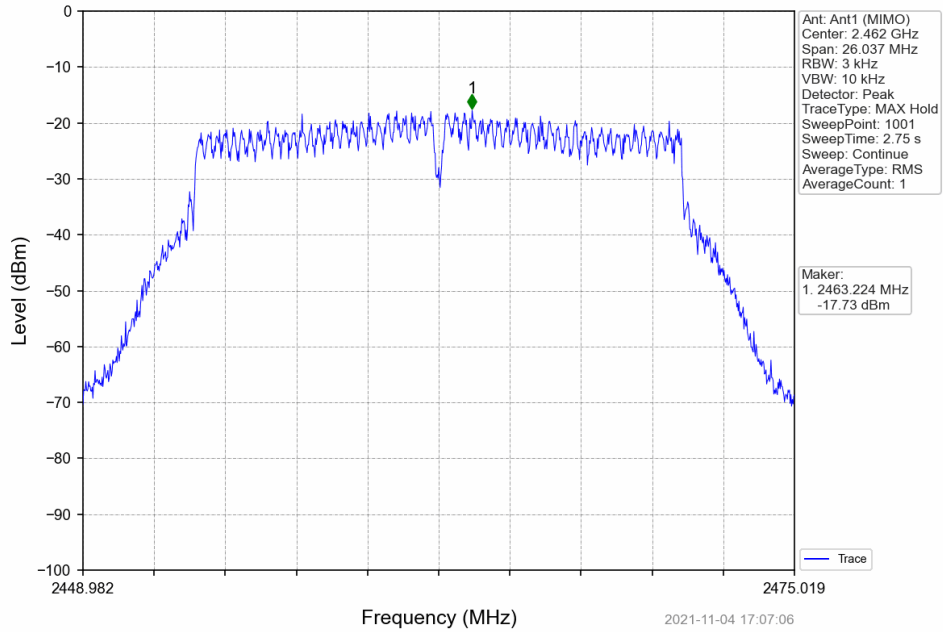
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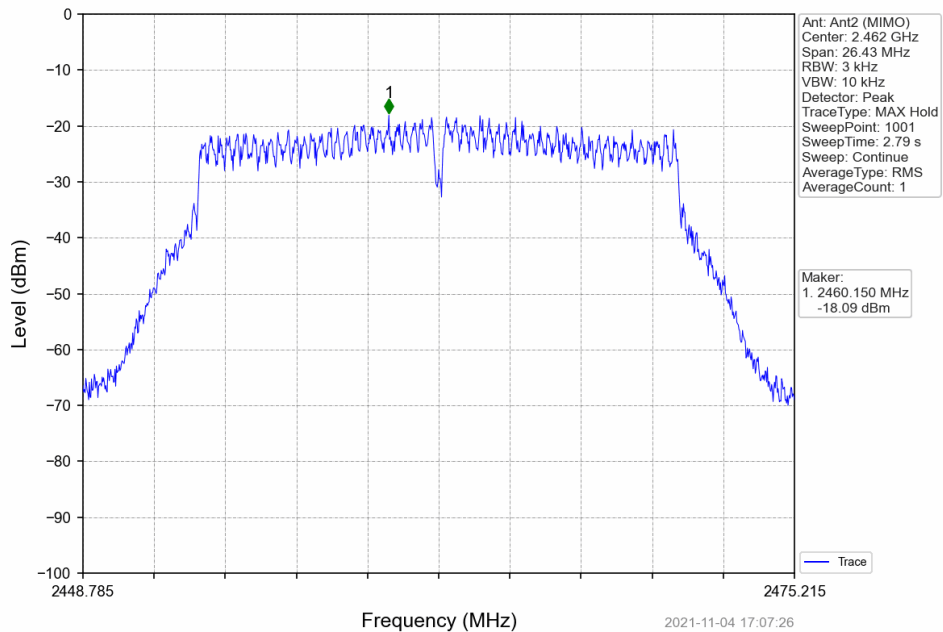
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802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV

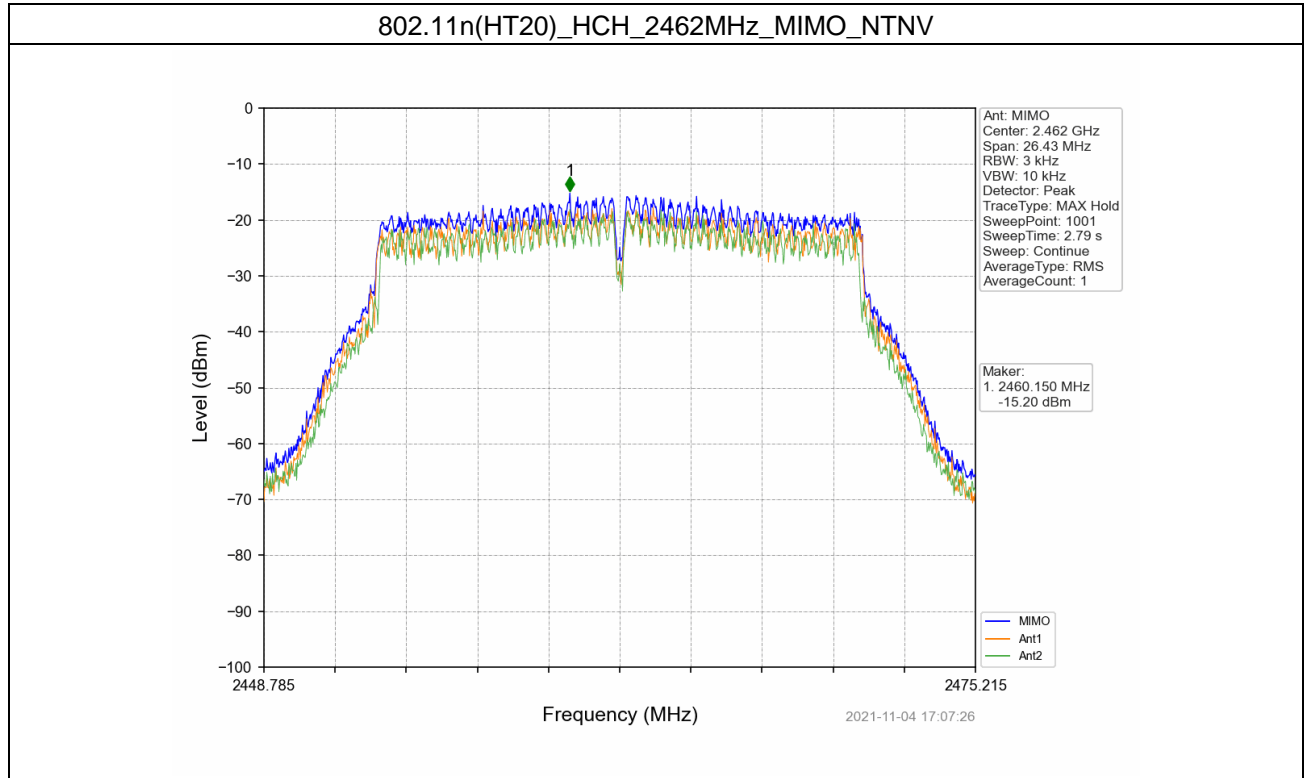


802.11n(HT20)_HCH_2462MHz_Ant2 (MIMO)_NTNV



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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	-1.86
			2	-0.65
		2437	1	-1.01
			2	-1.30
		2462	1	-2.31
			2	-2.79
802.11g	SISO	2412	1	-3.18
			2	-3.04
		2437	1	-2.82
			2	-3.60
		2462	1	-3.97
			2	-4.81
802.11n (HT20)	MIMO	2412	1	-3.30
			2	-2.72
		2437	1	-2.83
			2	-3.34
		2462	1	-3.67
			2	-4.47

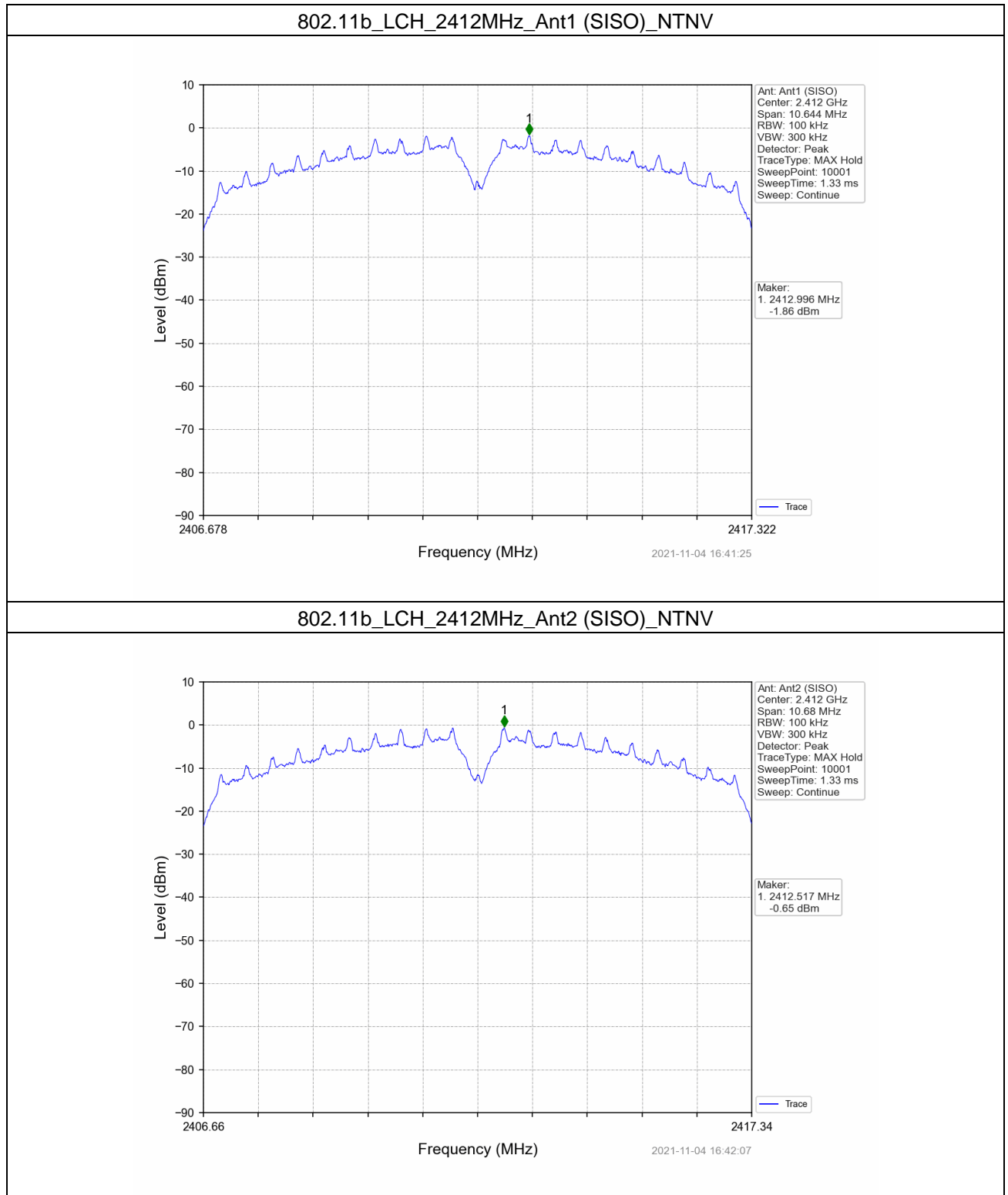
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.



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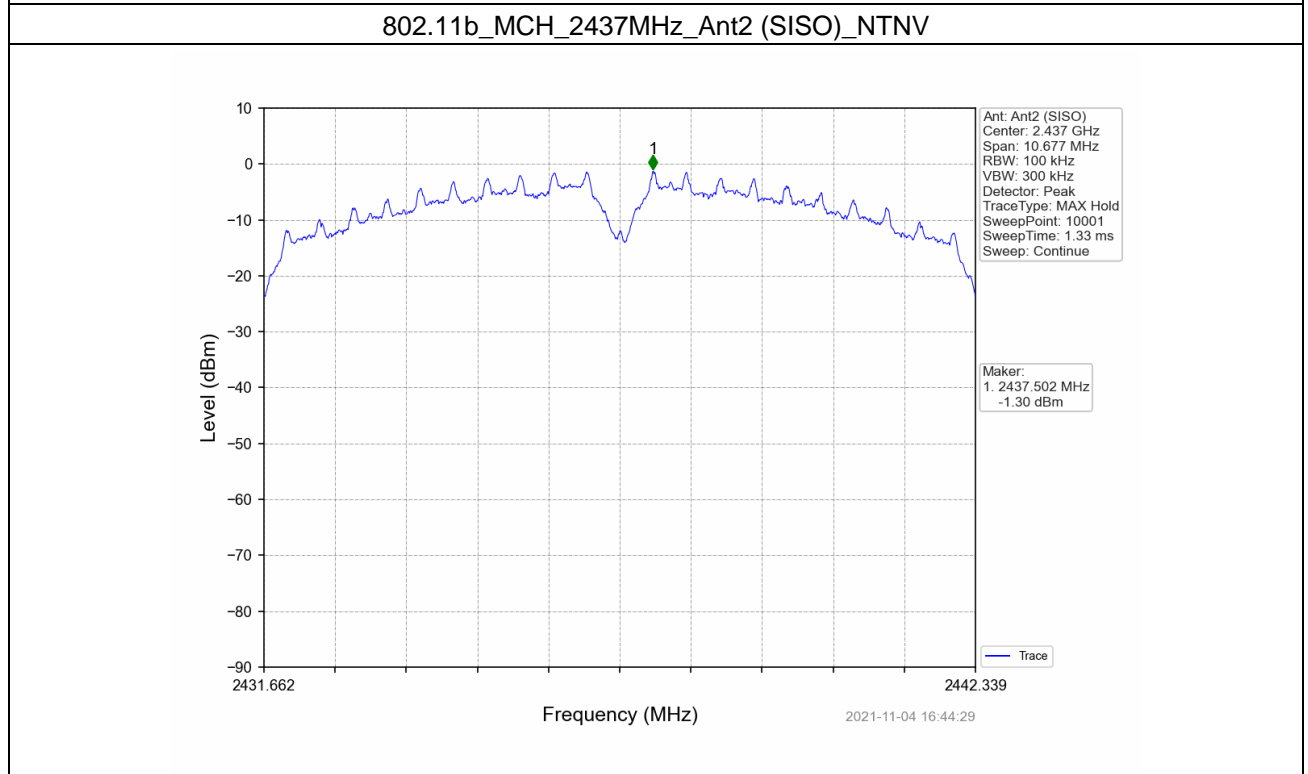
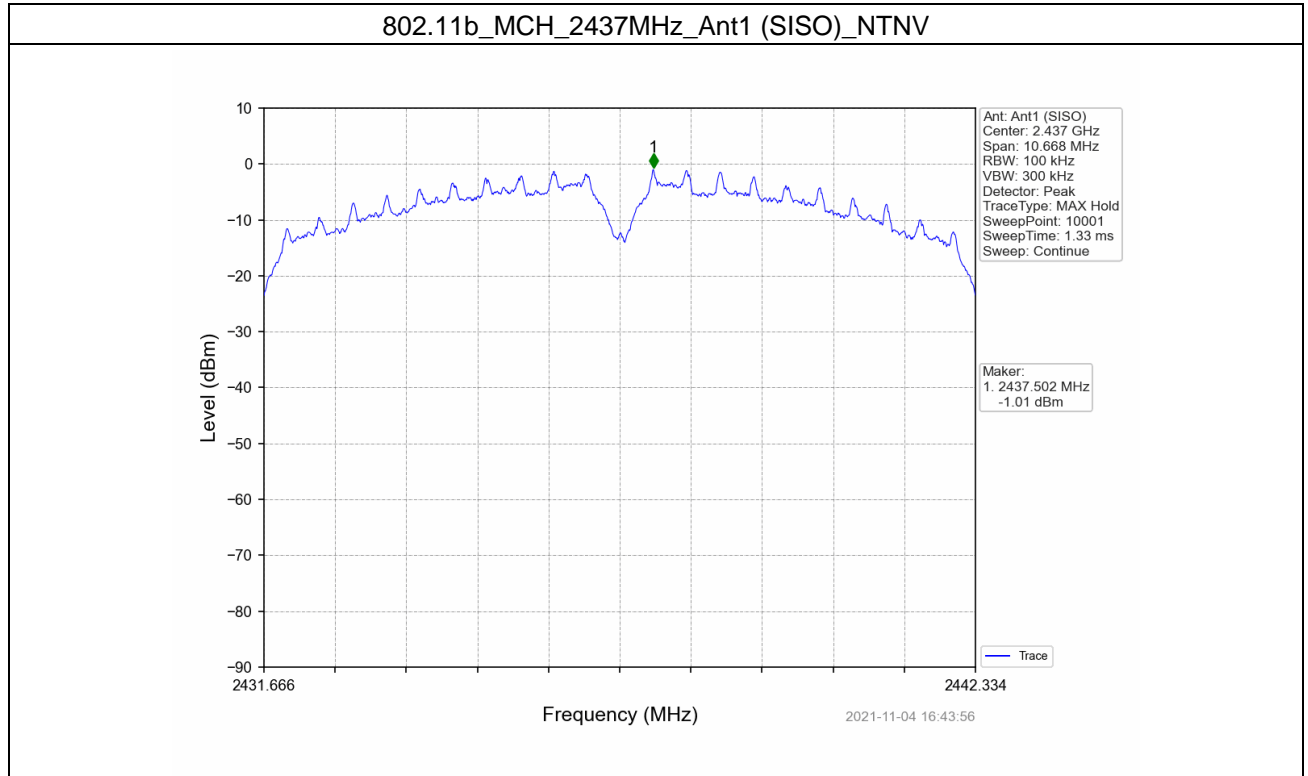
5.1.2 Test Graph



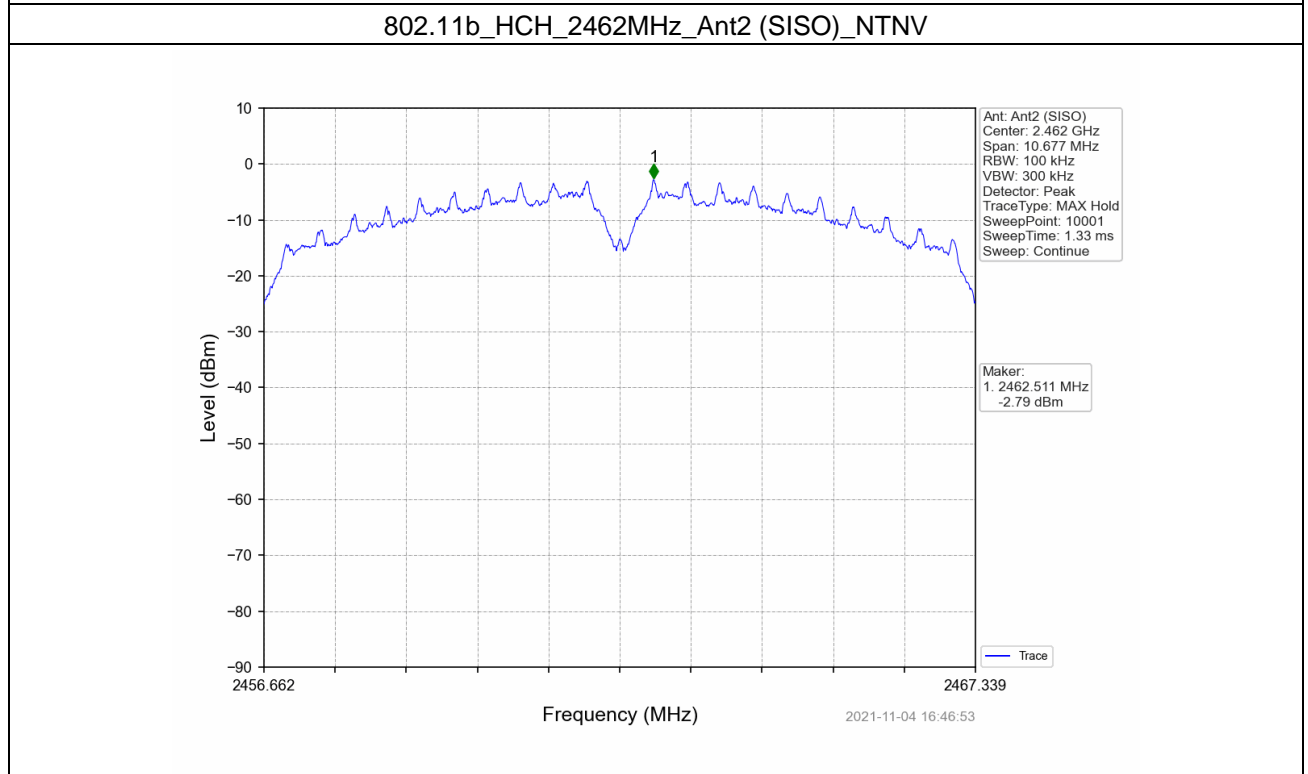
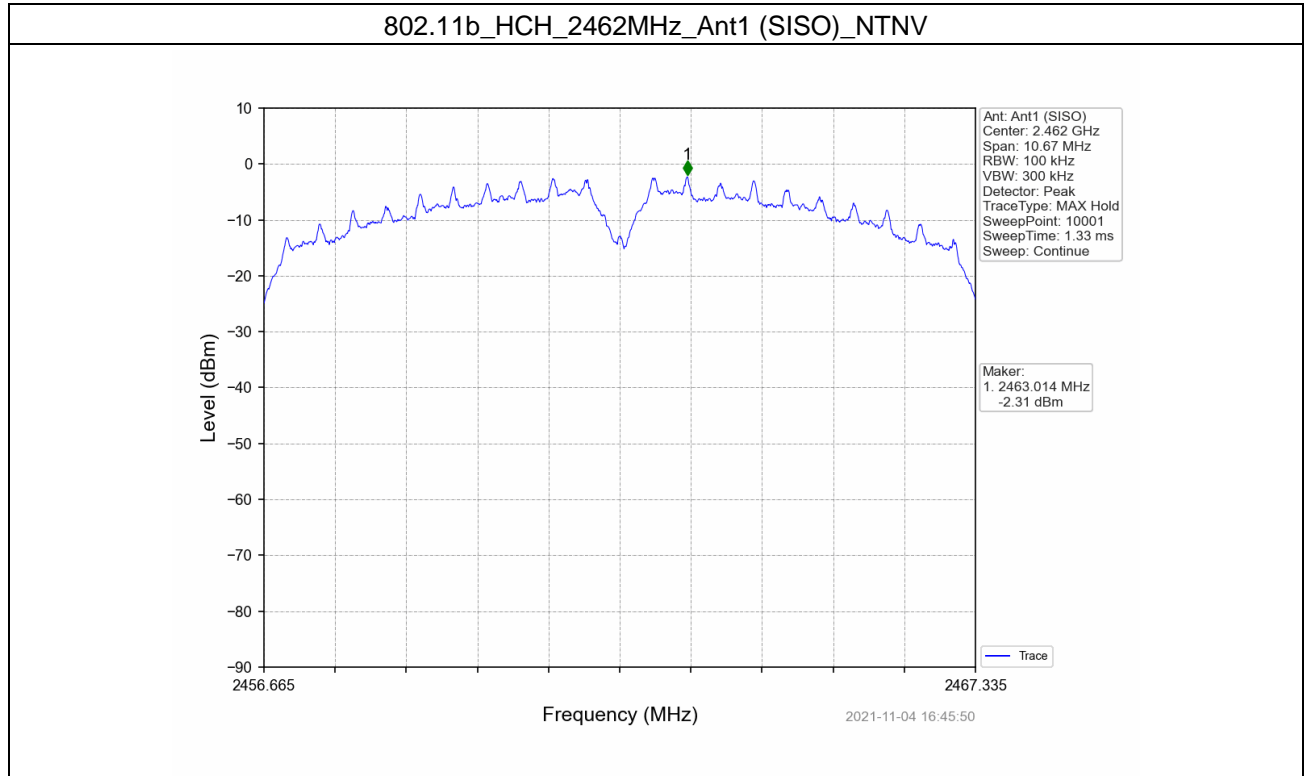
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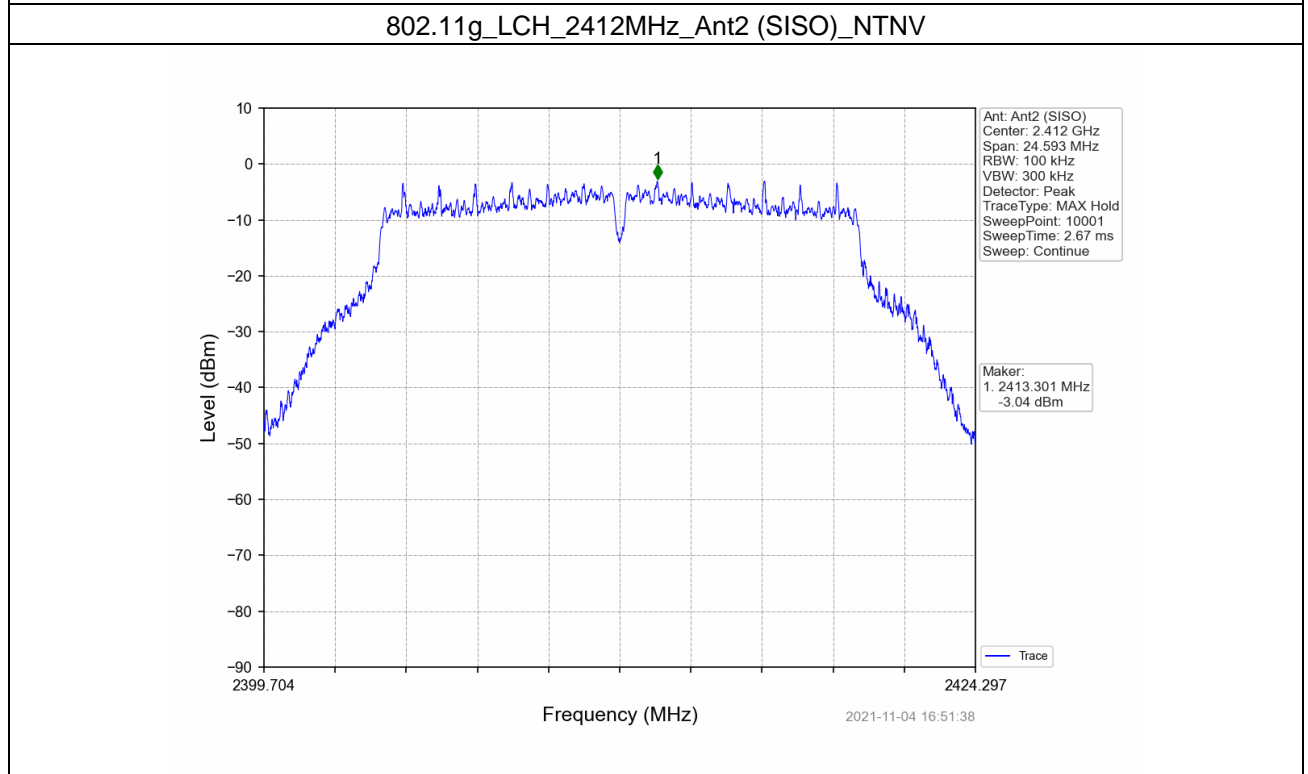
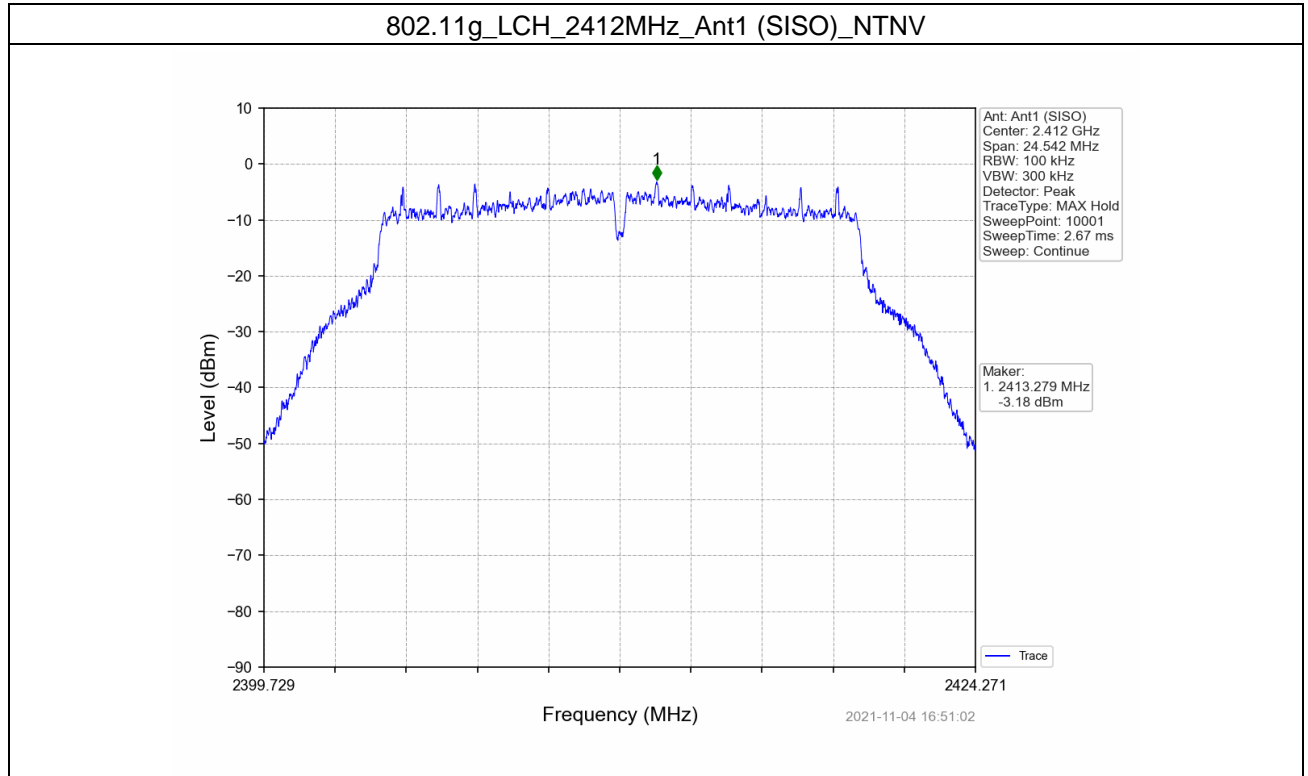
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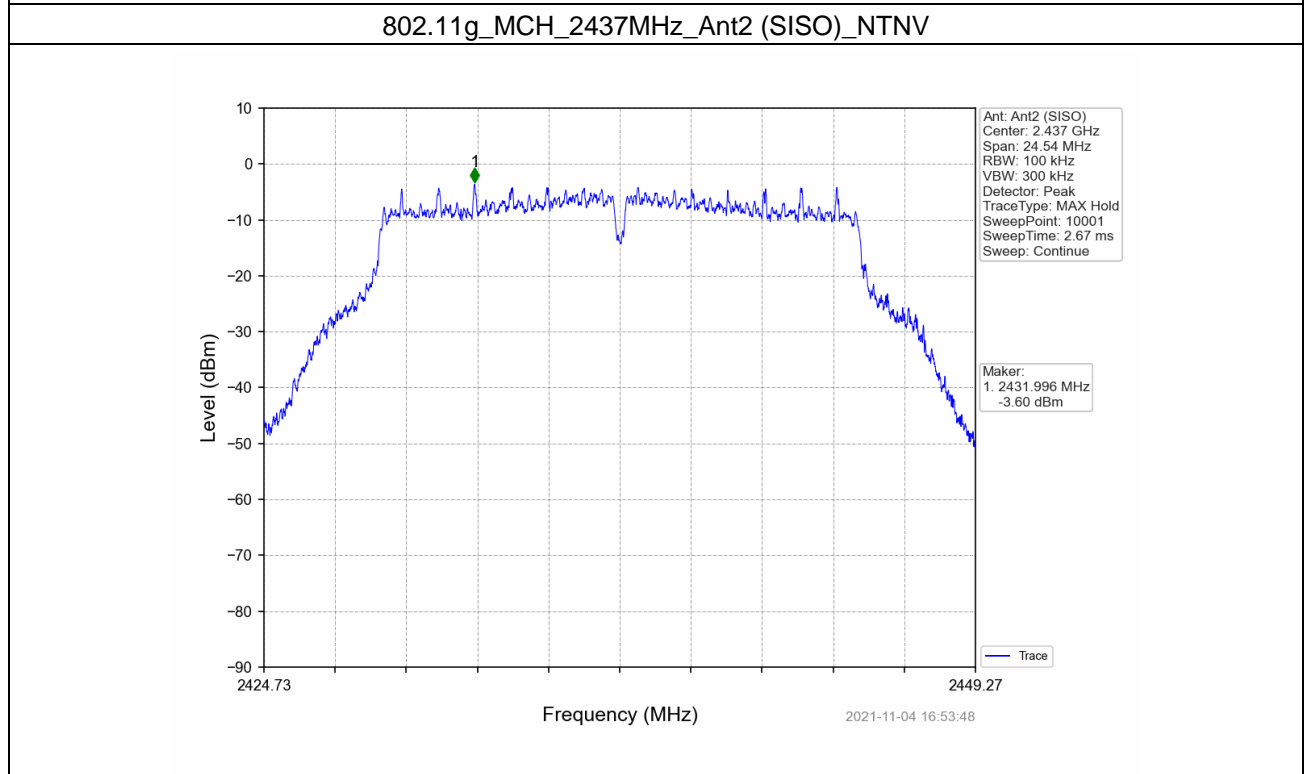
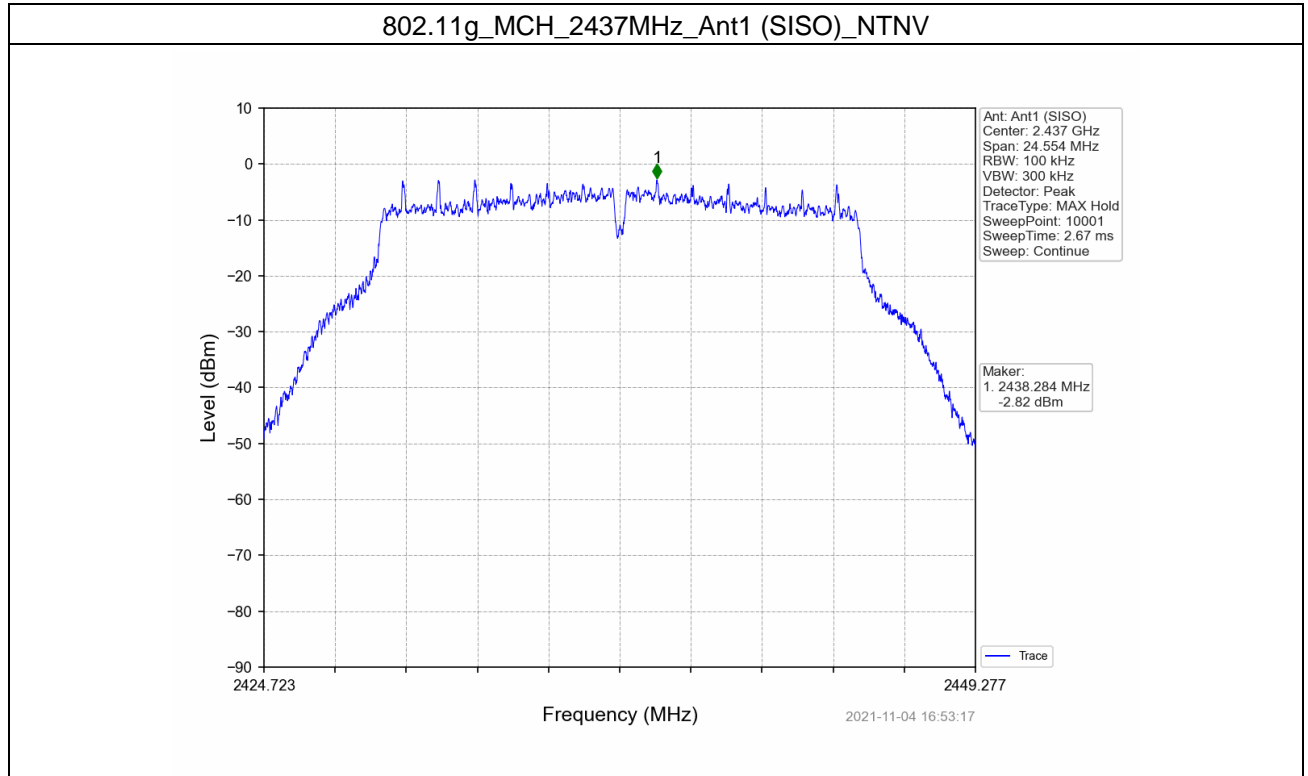


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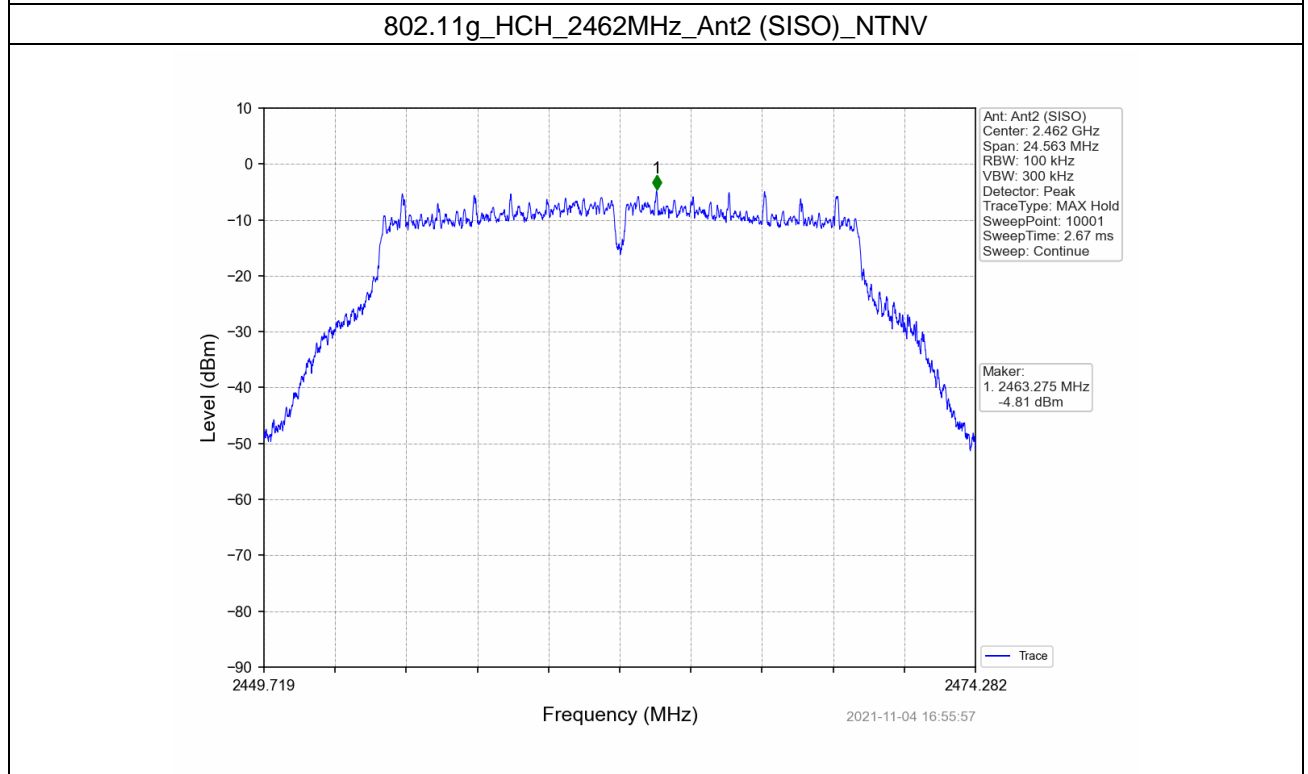
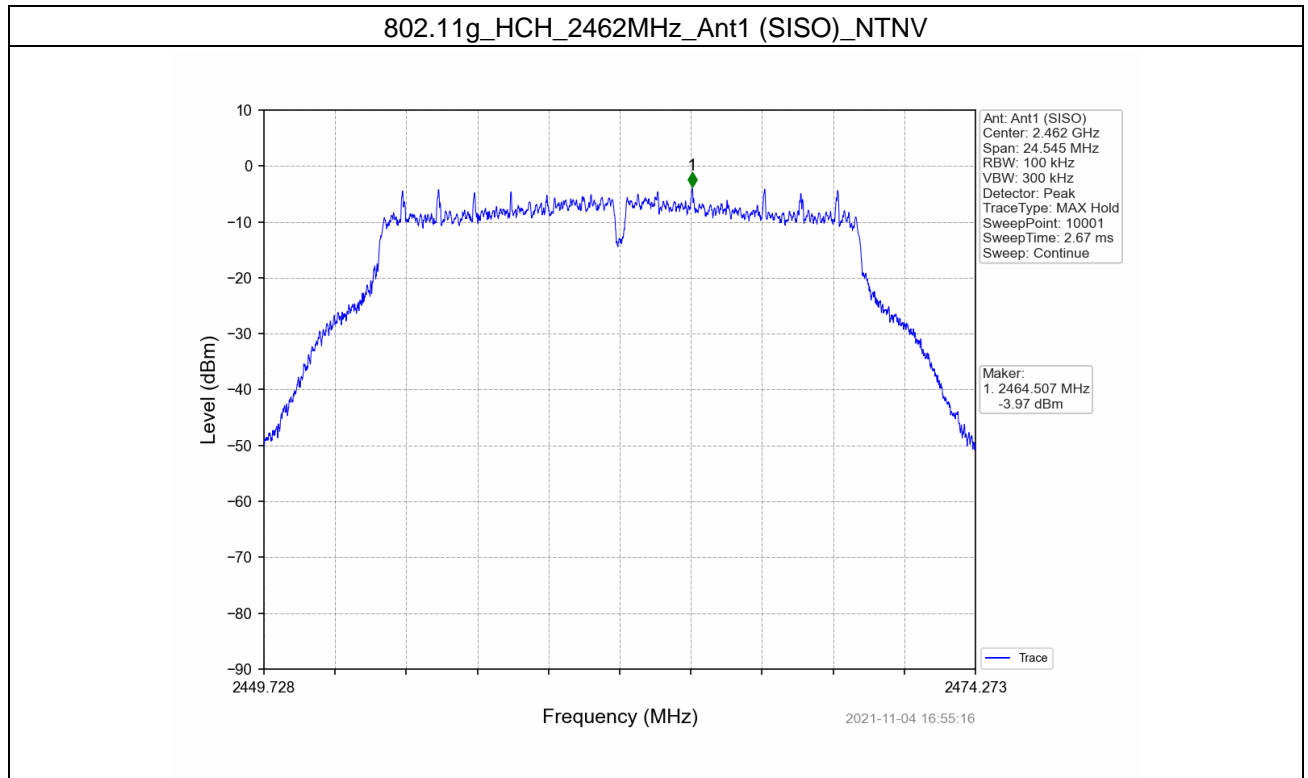
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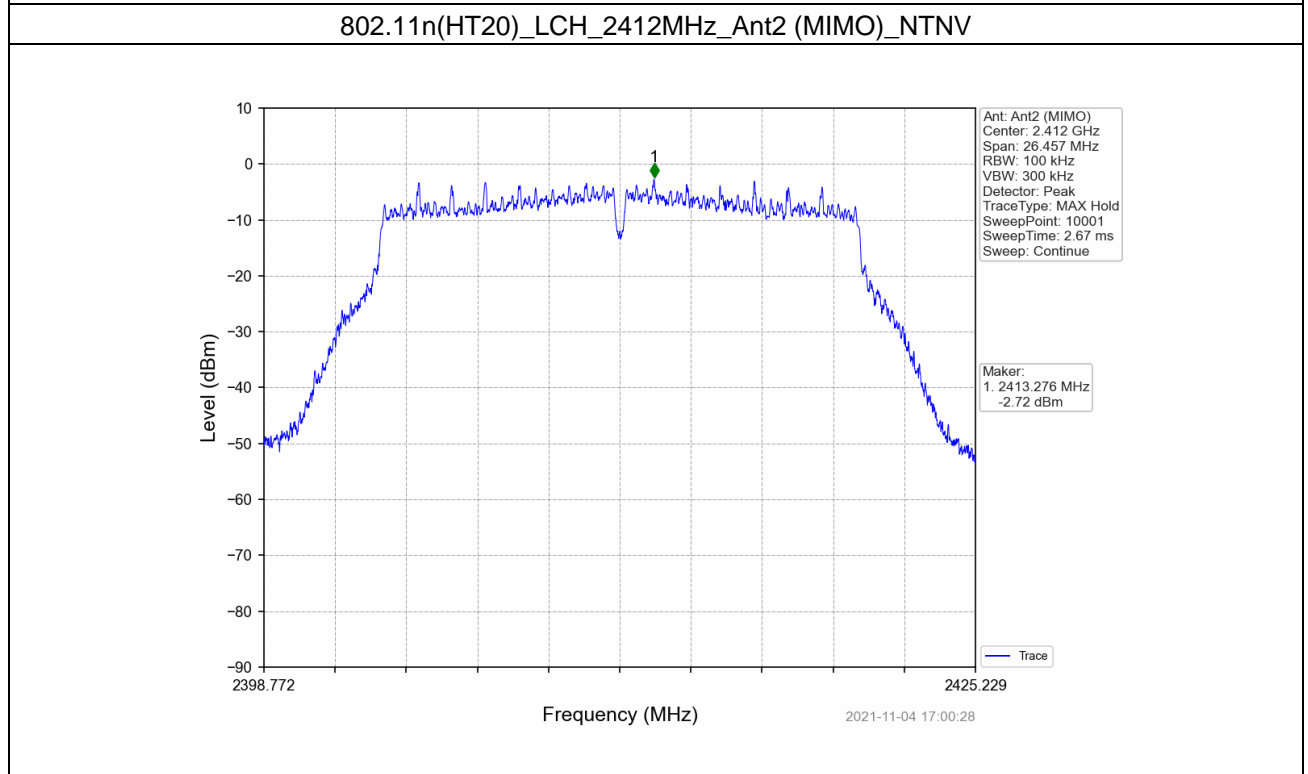
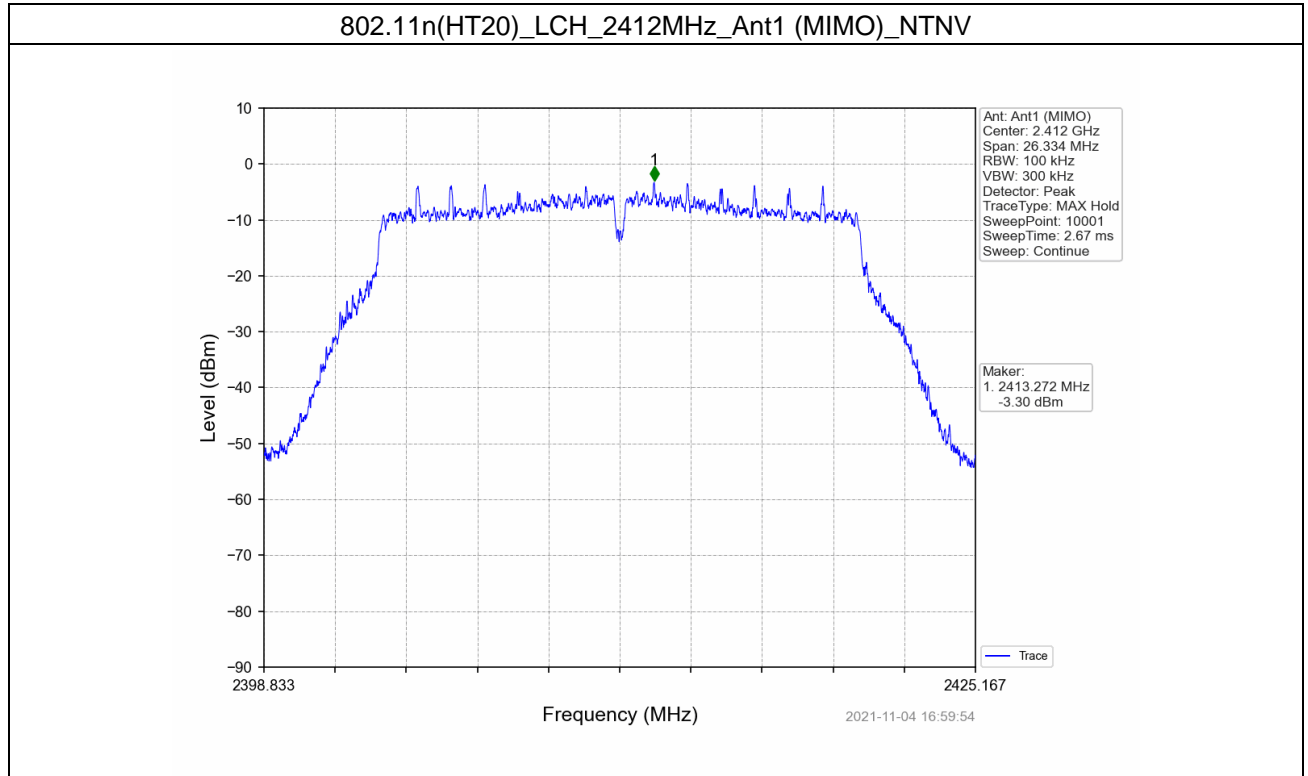
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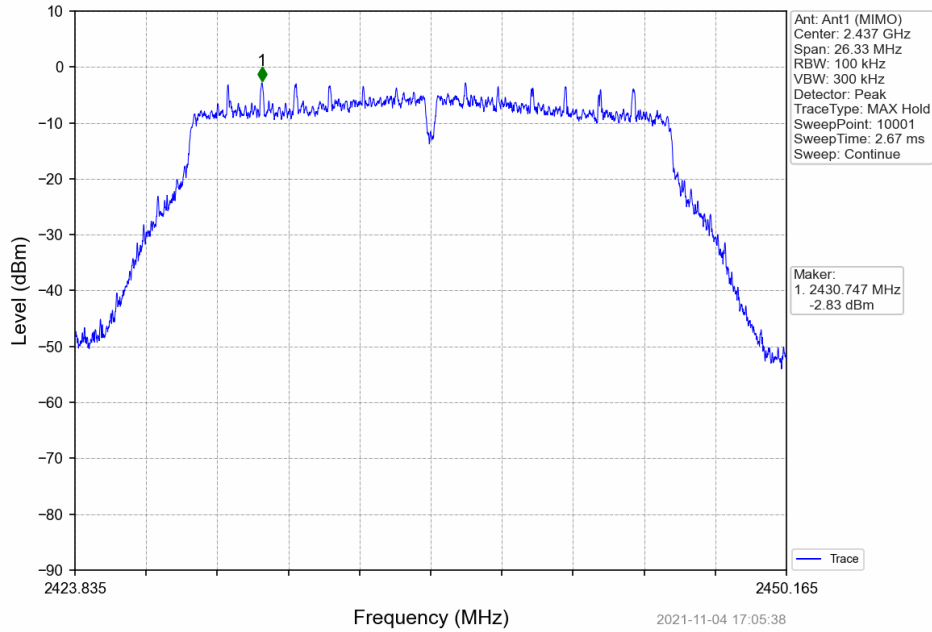
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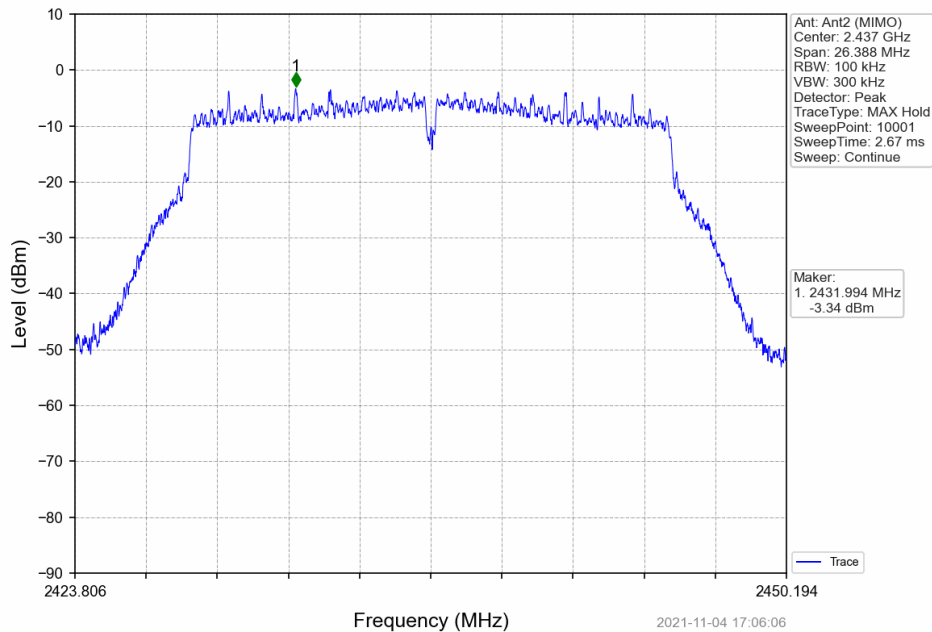
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802.11n(HT20)_MCH_2437MHz_Ant1 (MIMO)_NTNV



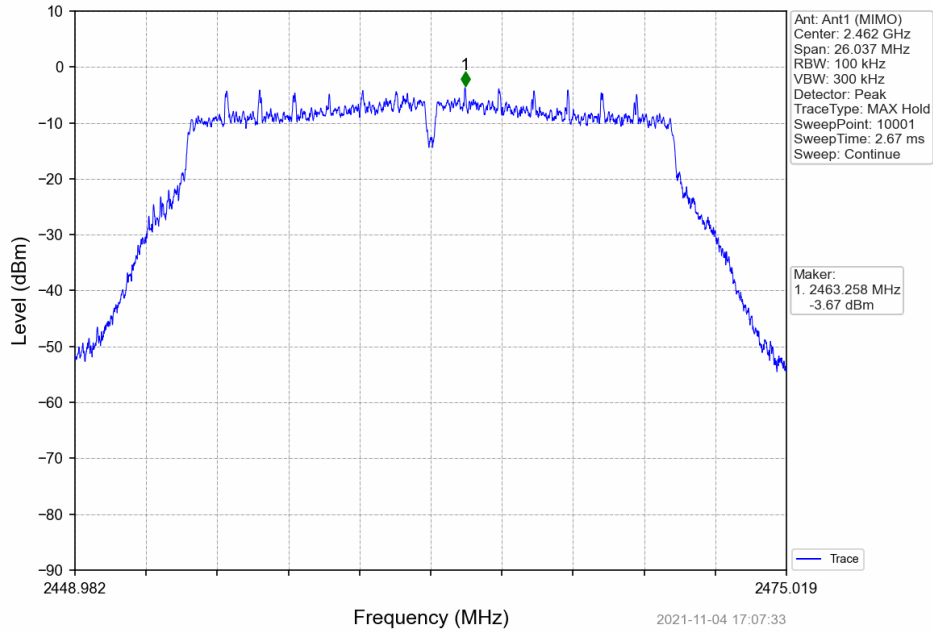
802.11n(HT20)_MCH_2437MHz_Ant2 (MIMO)_NTNV



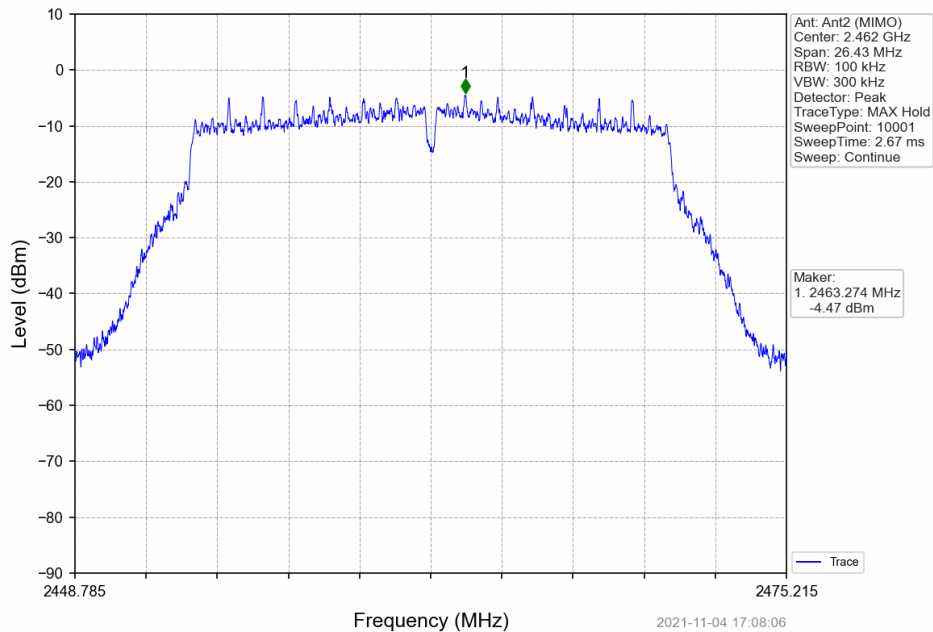
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802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



802.11n(HT20)_HCH_2462MHz_Ant2 (MIMO)_NTNV



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5.2 CSE

5.2.1 Test Result

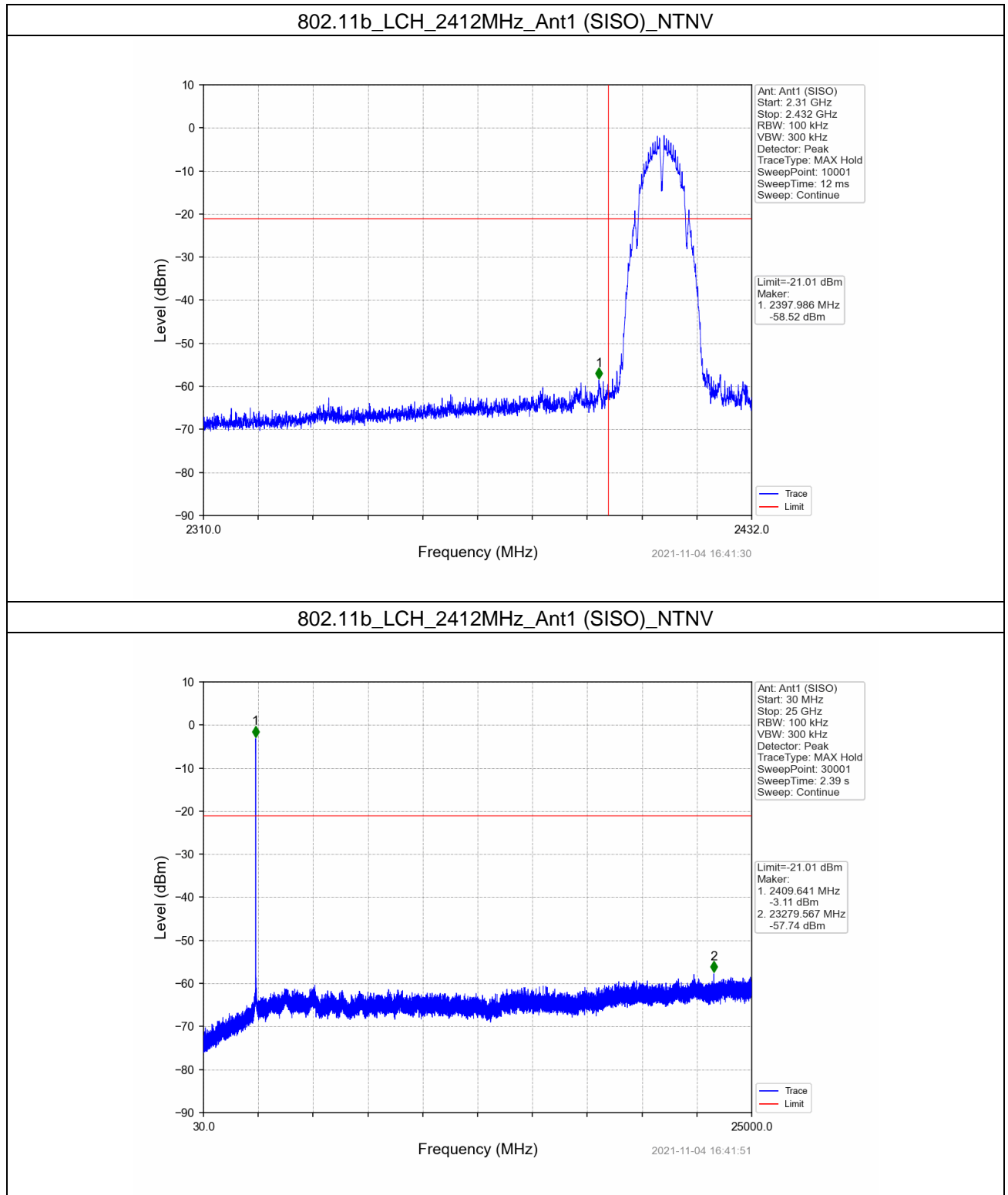
Mode	TX Type	Frequency (MHz)	Ant	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	1	-1.01	-21.01	Pass
			2	-0.65	-20.65	Pass
		2437	1	-1.01	-21.01	Pass
			2	-0.65	-20.65	Pass
		2462	1	-1.01	-21.01	Pass
			2	-0.65	-20.65	Pass
802.11g	SISO	2412	1	-2.82	-22.82	Pass
			2	-3.04	-23.04	Pass
		2437	1	-2.82	-22.82	Pass
			2	-3.04	-23.04	Pass
		2462	1	-2.82	-22.82	Pass
			2	-3.04	-23.04	Pass
802.11n (HT20)	MIMO	2412	1	-2.83	-22.83	Pass
			2	-2.72	-22.72	Pass
		2437	1	-2.83	-22.83	Pass
			2	-2.72	-22.72	Pass
		2462	1	-2.83	-22.83	Pass
			2	-2.72	-22.72	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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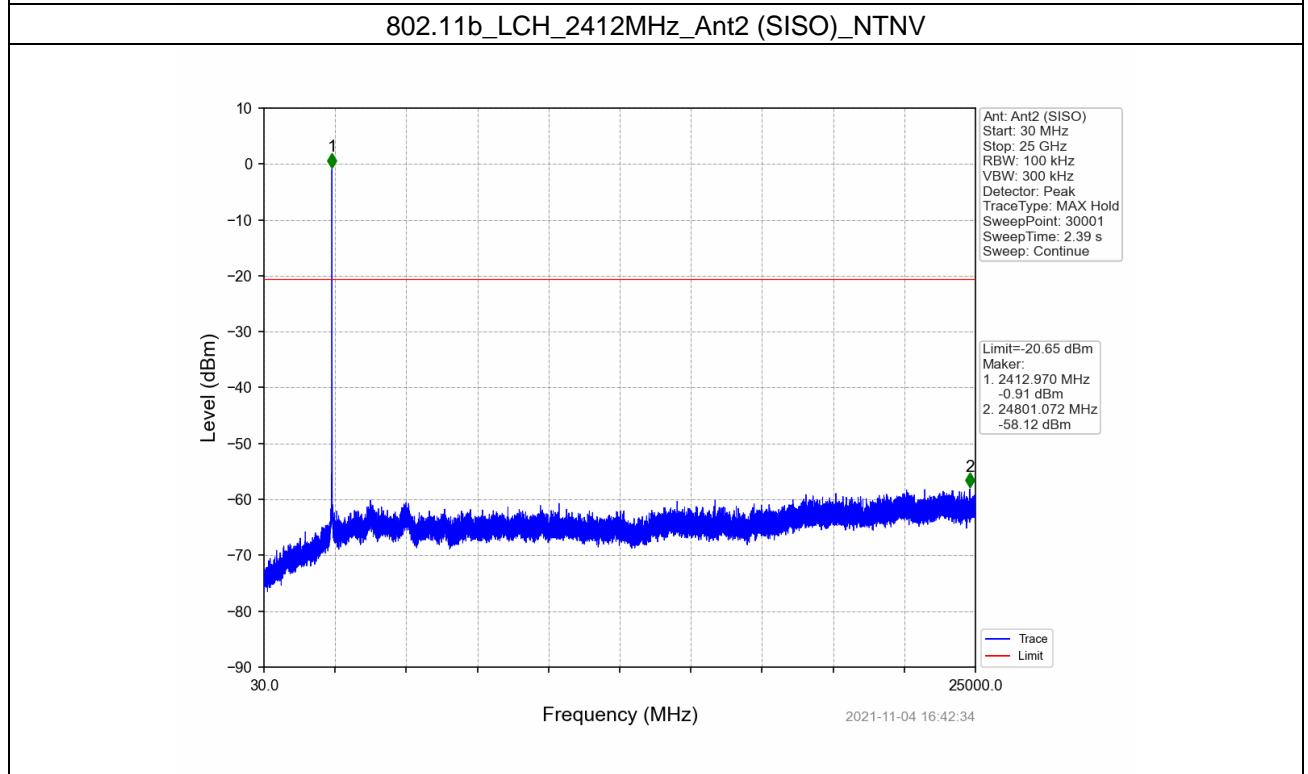
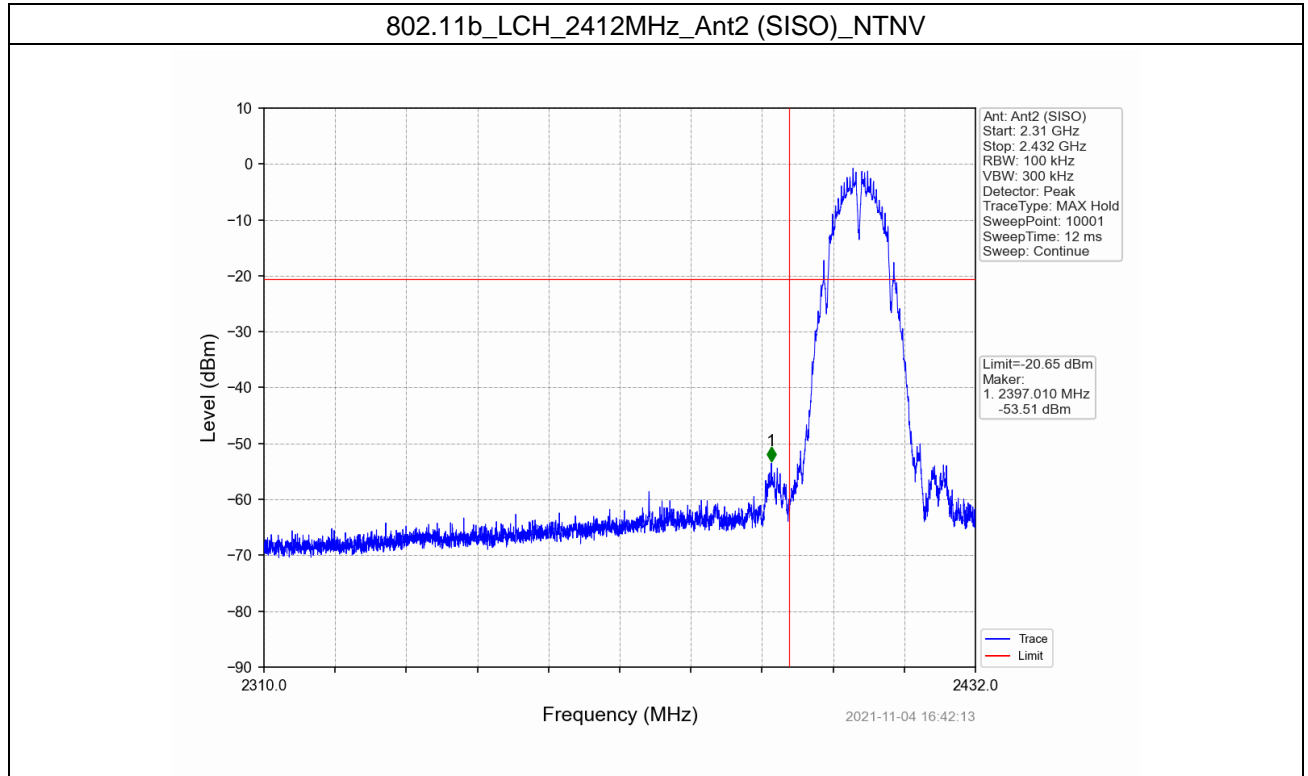
5.2.2 Test Graph



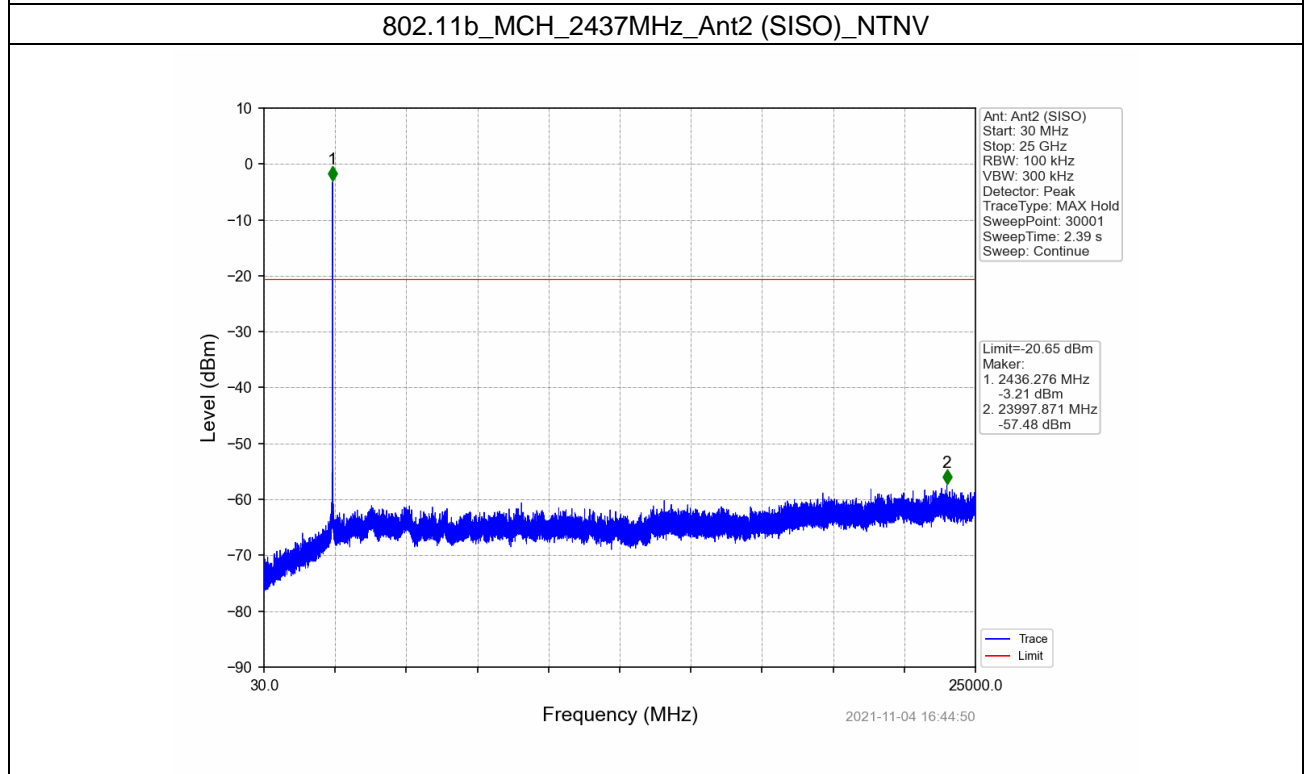
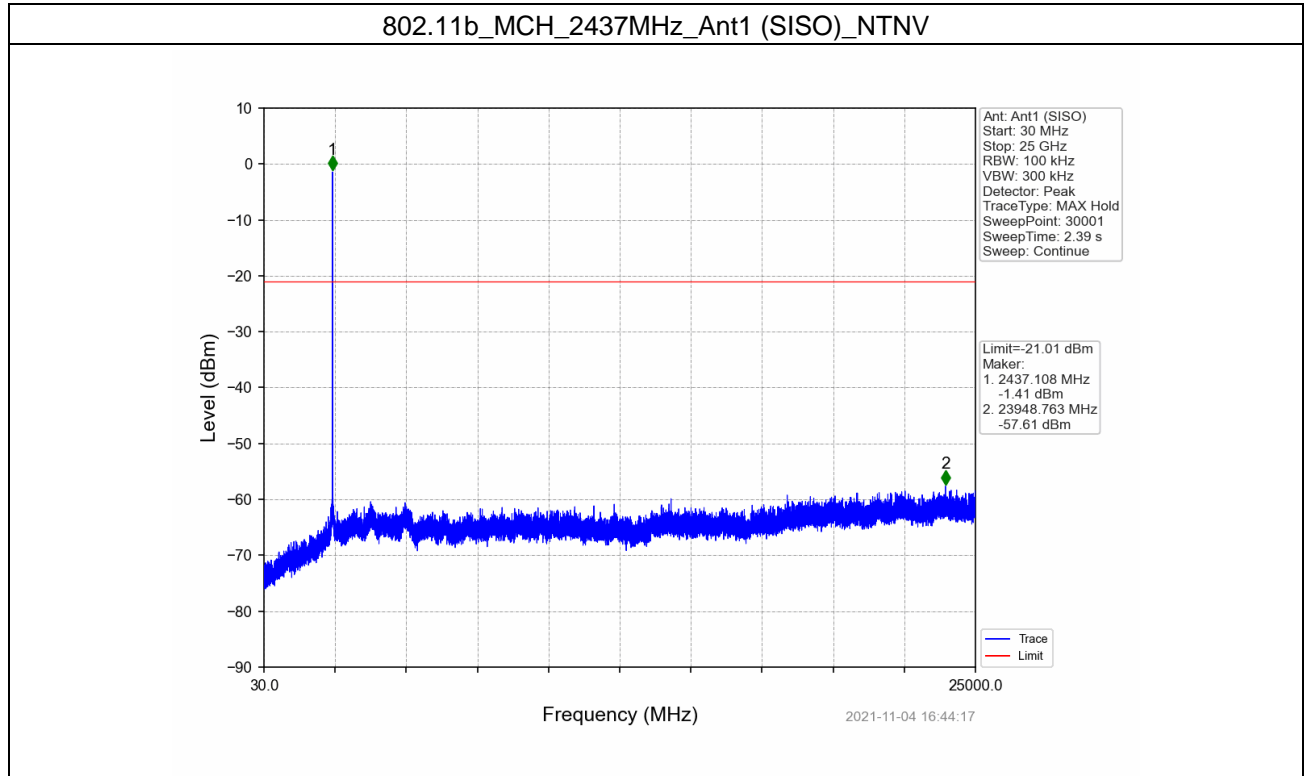
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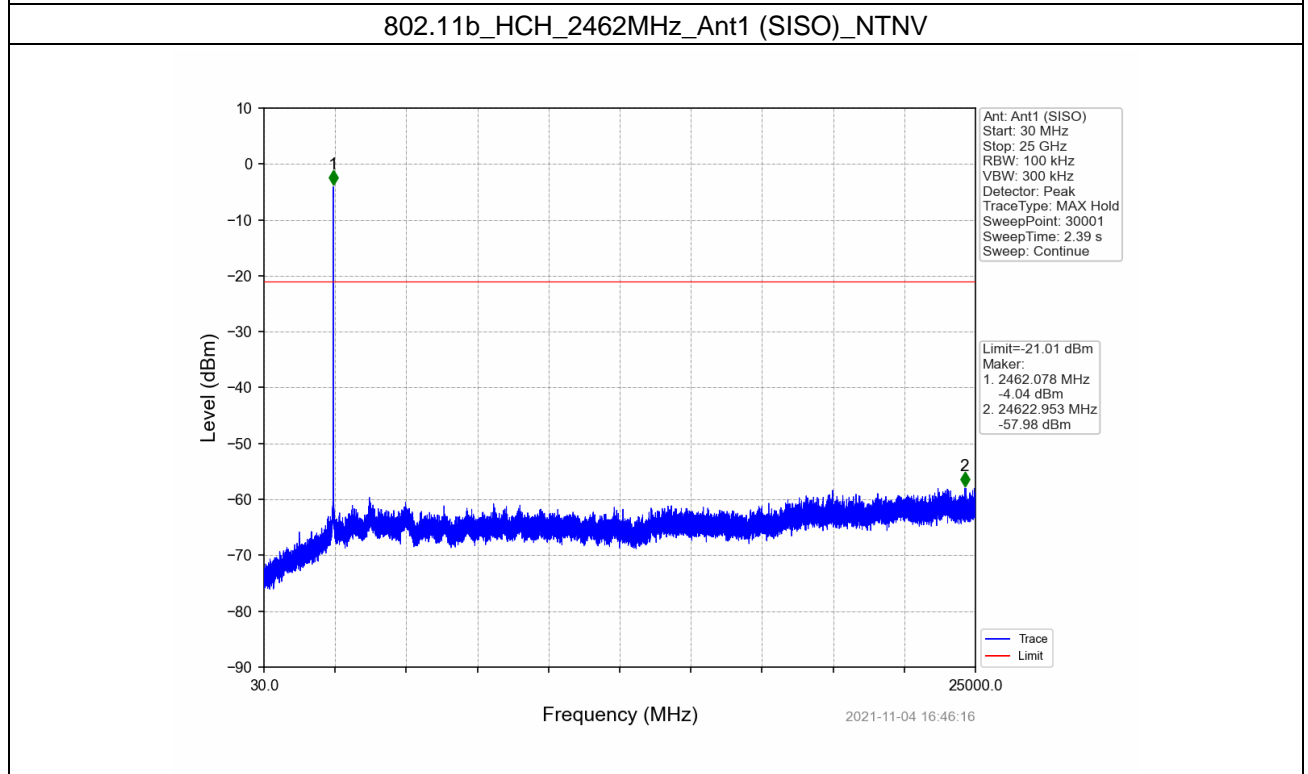
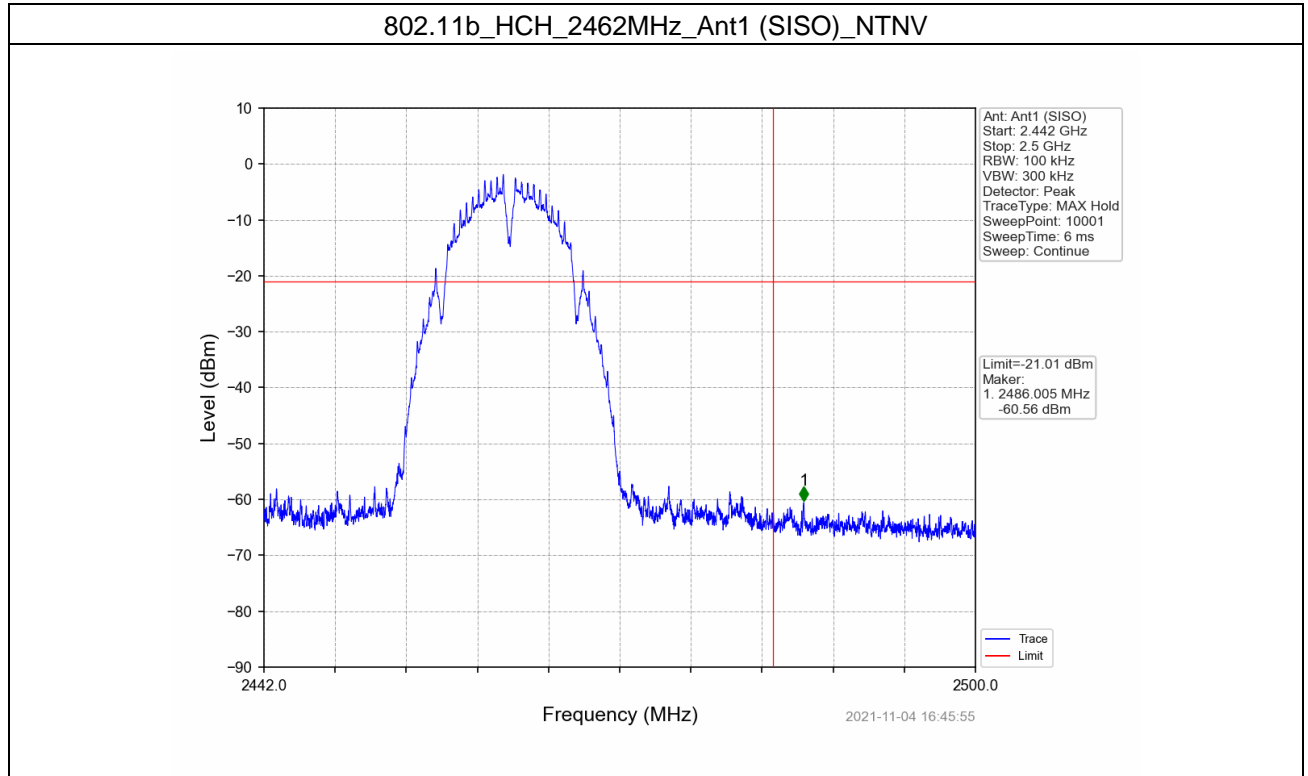
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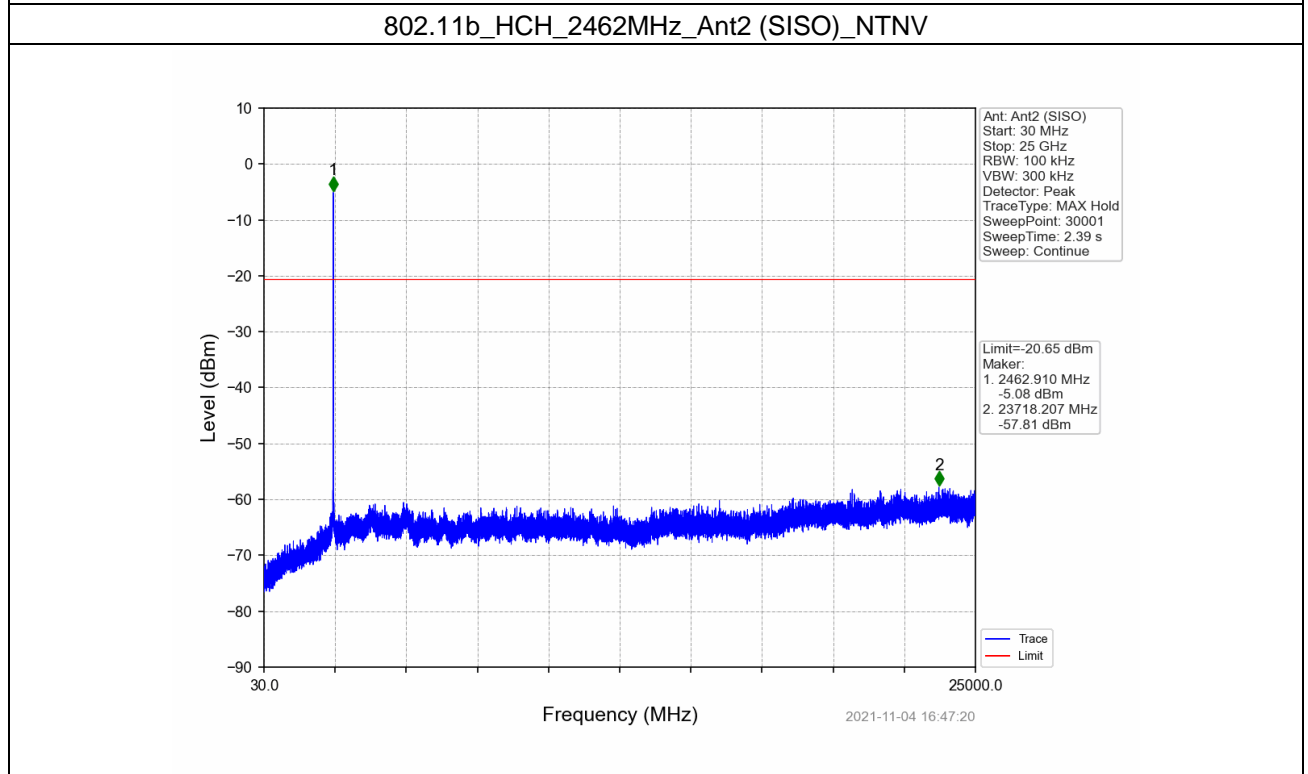
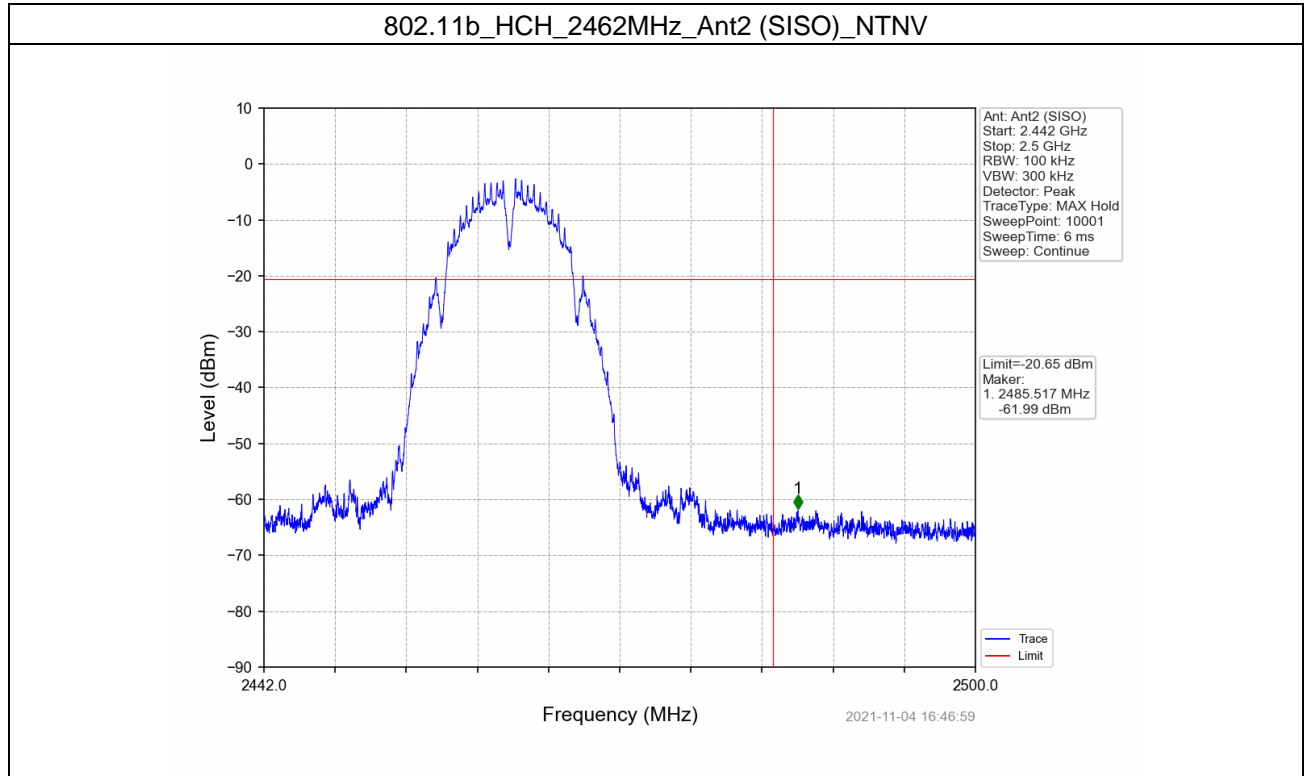
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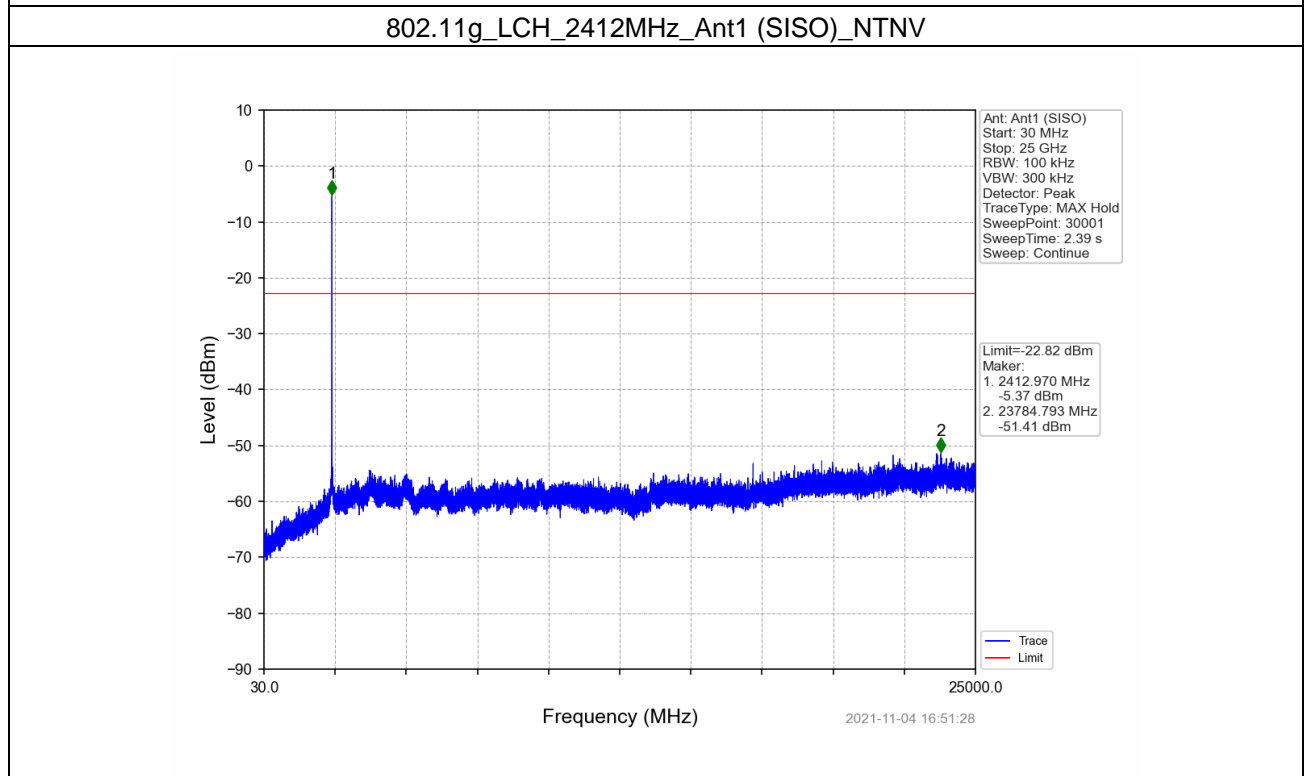
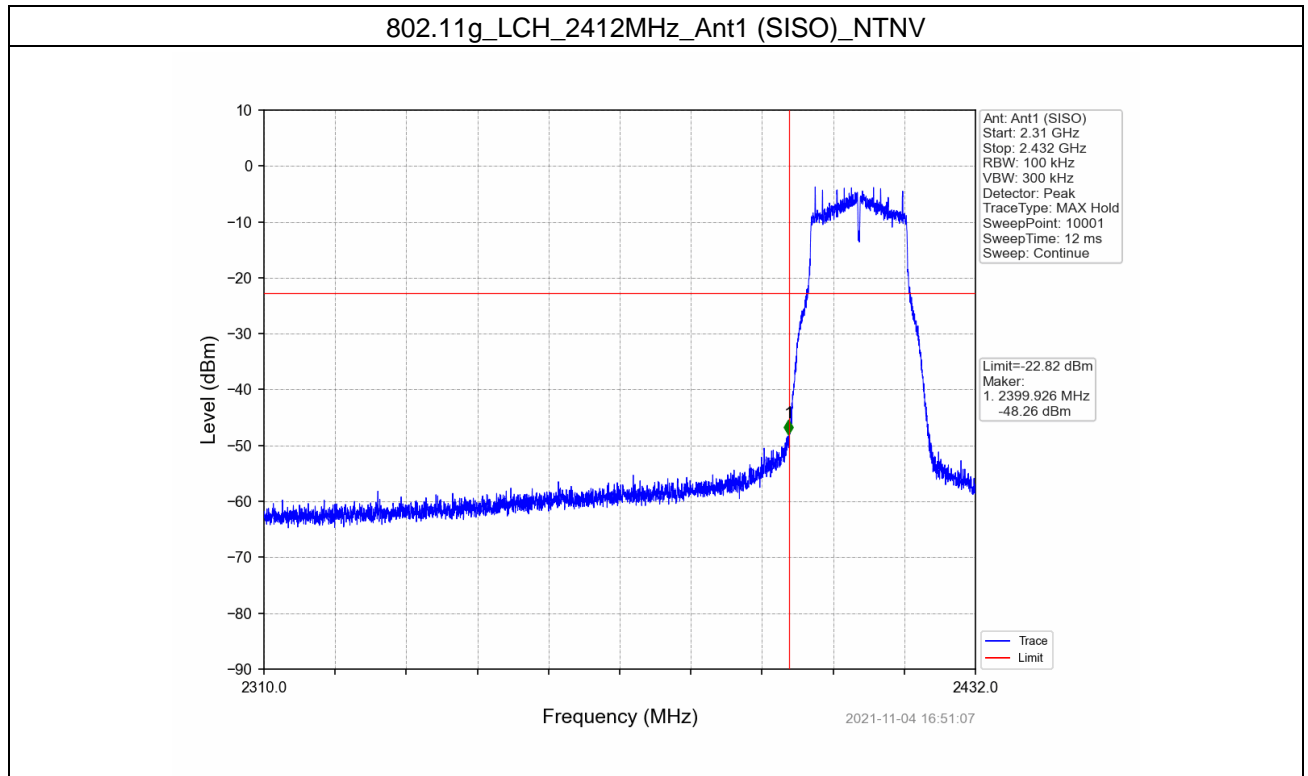


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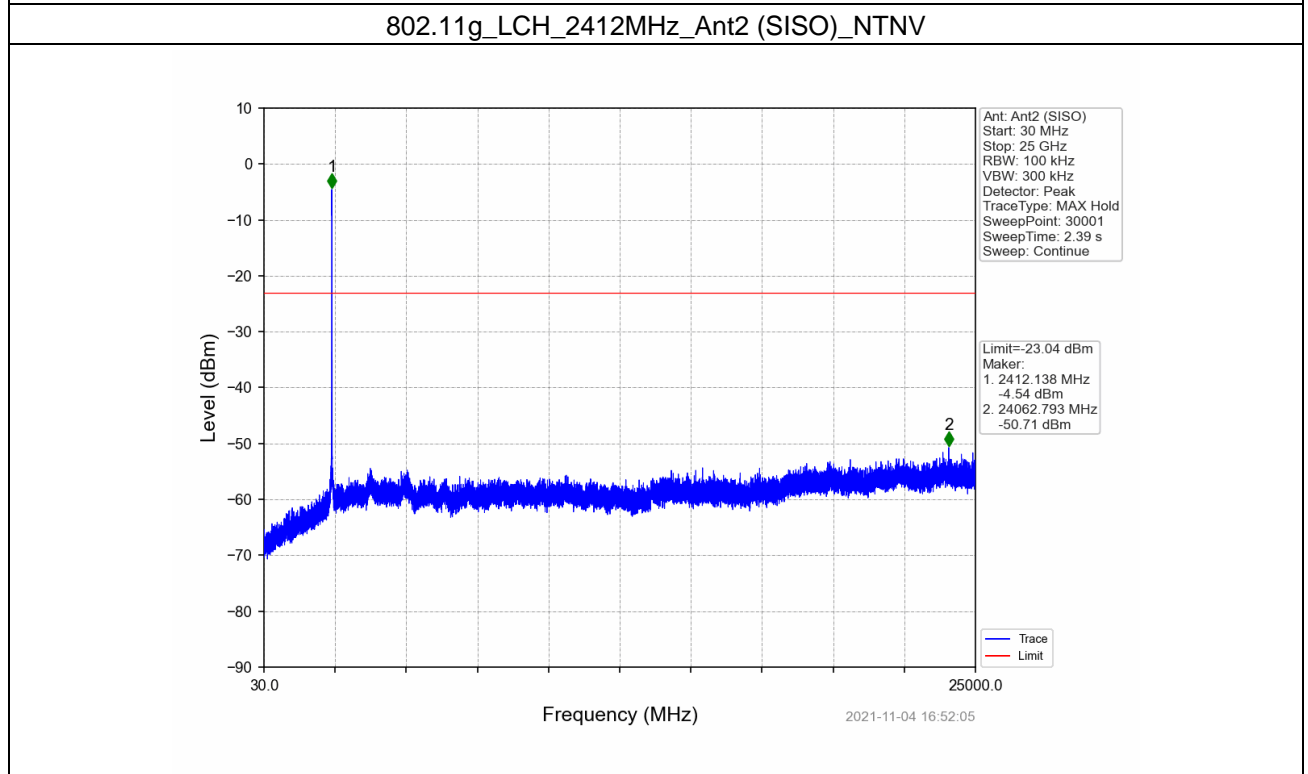
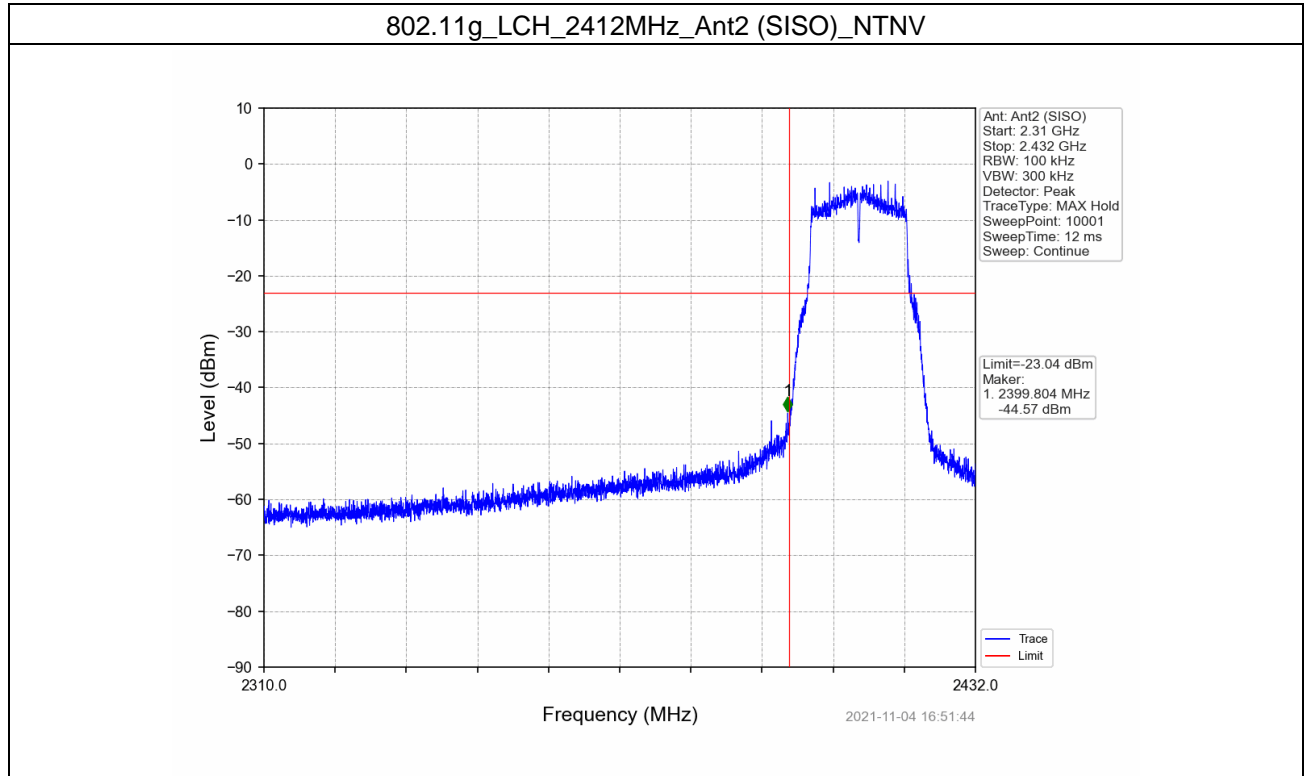
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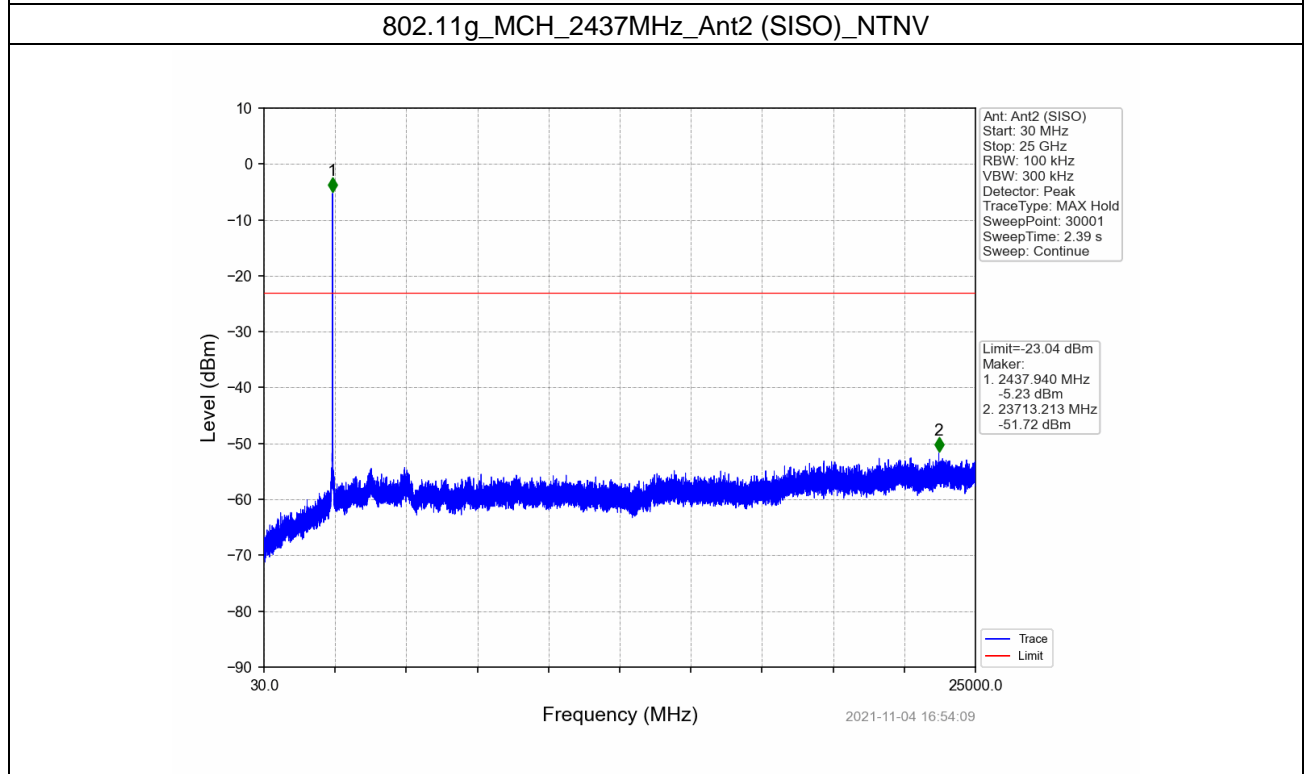
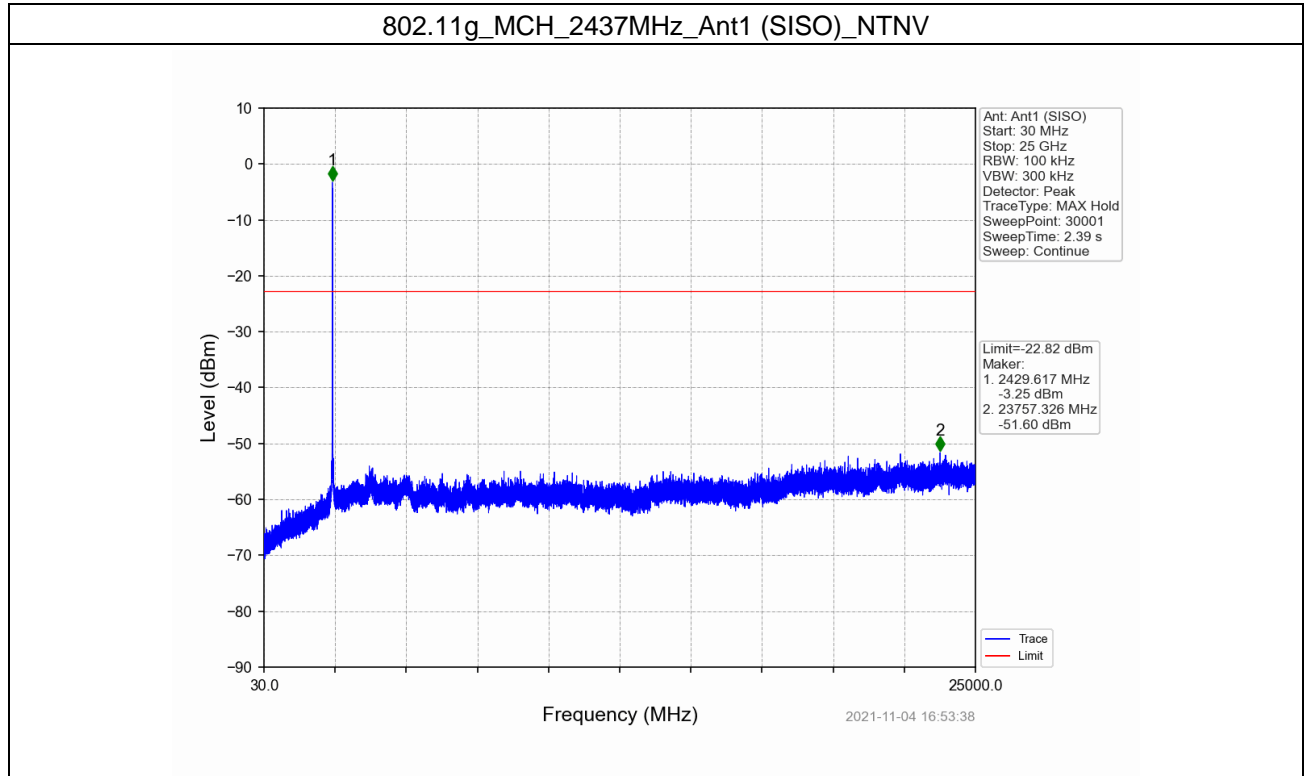
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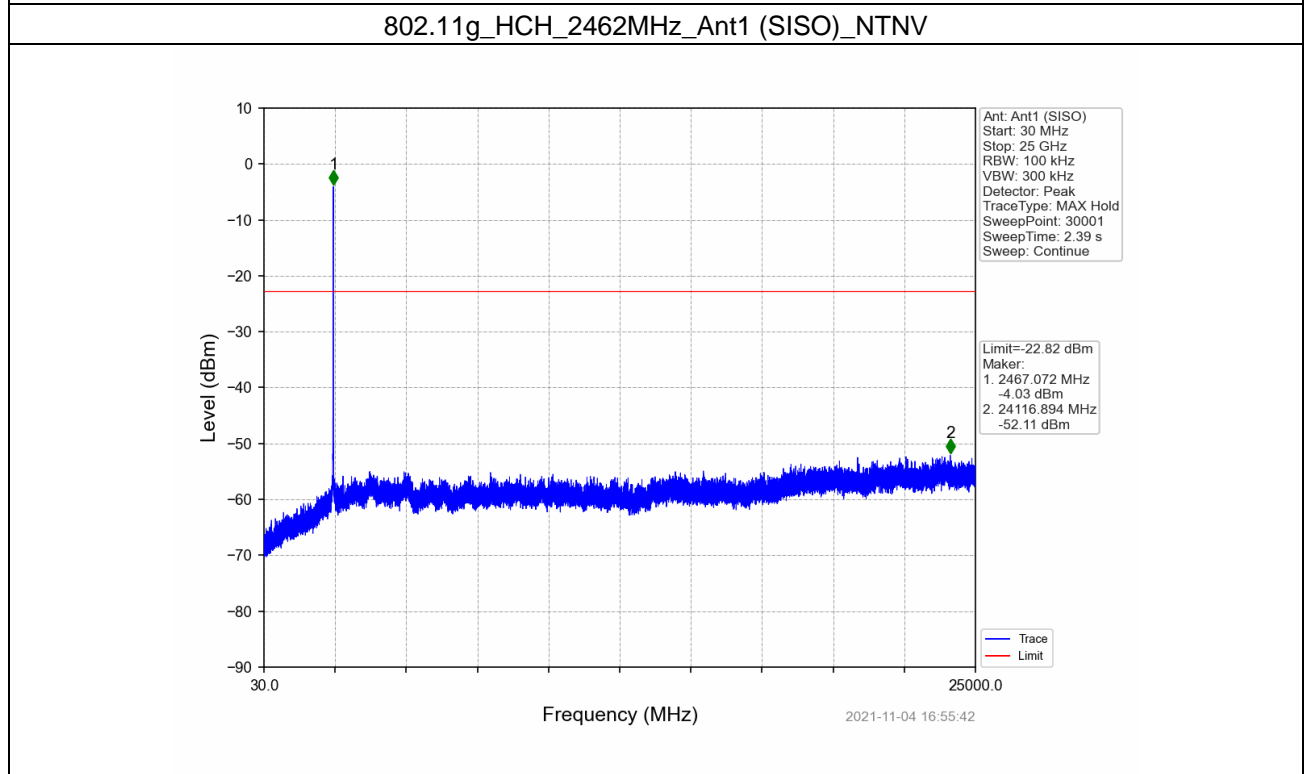
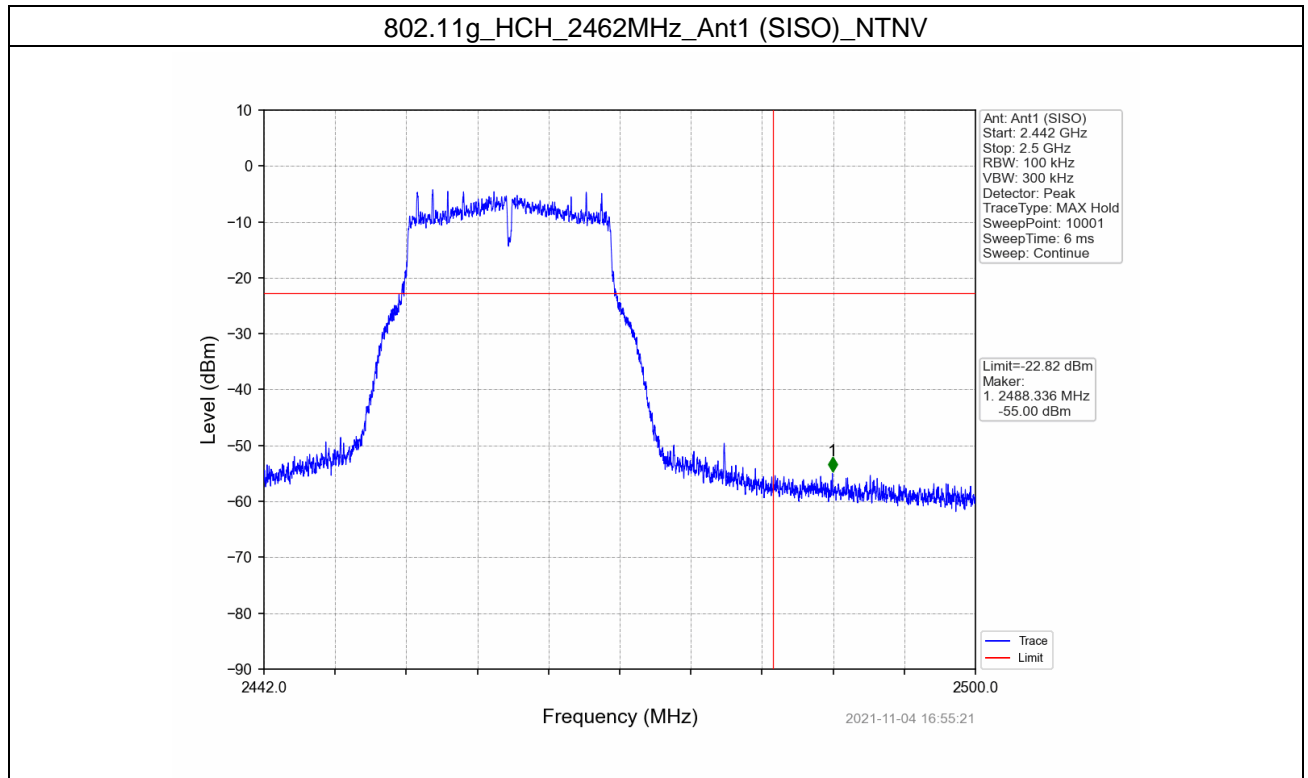


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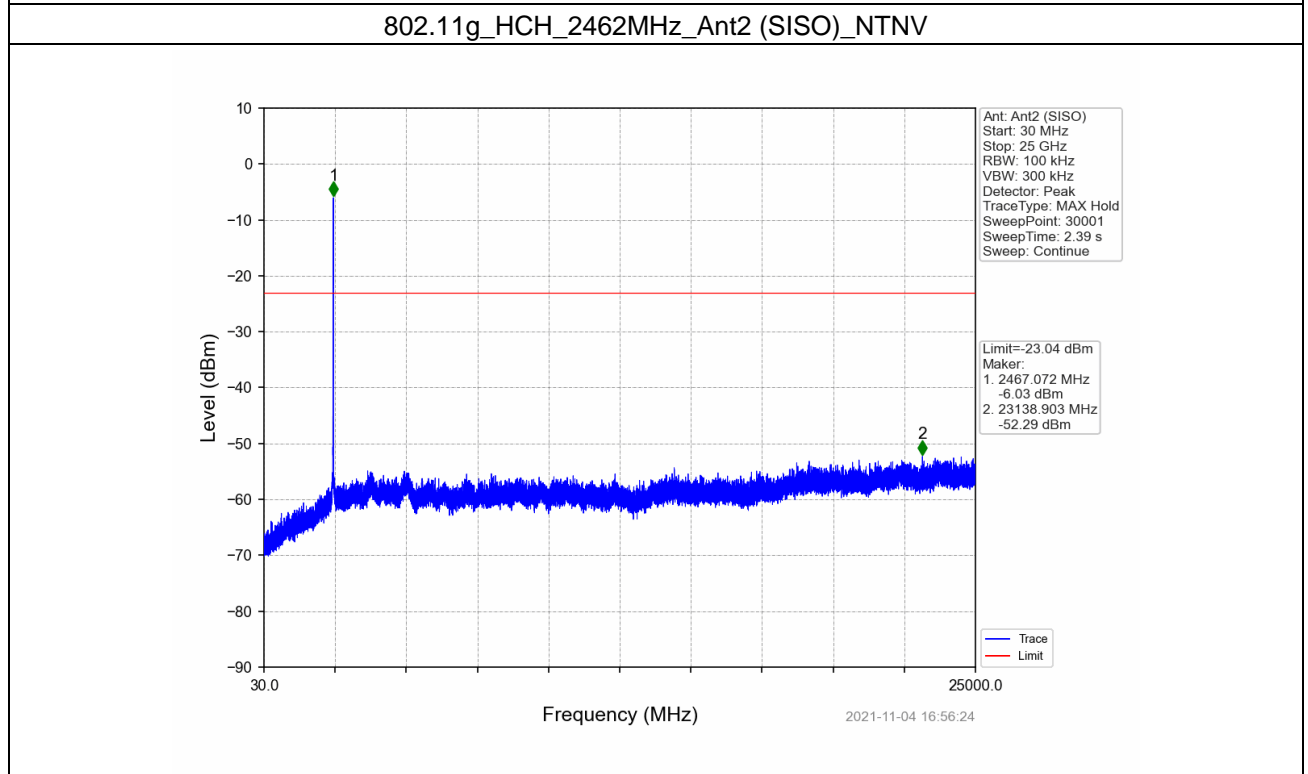
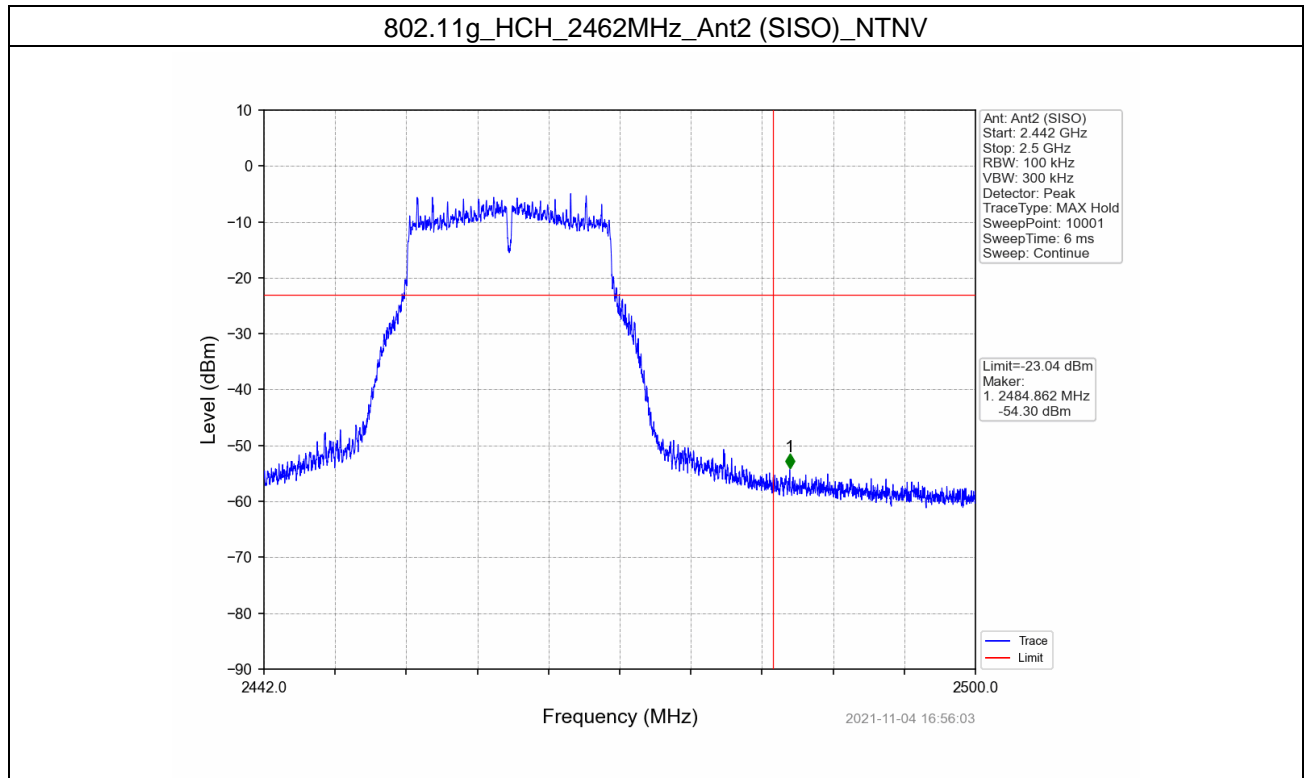


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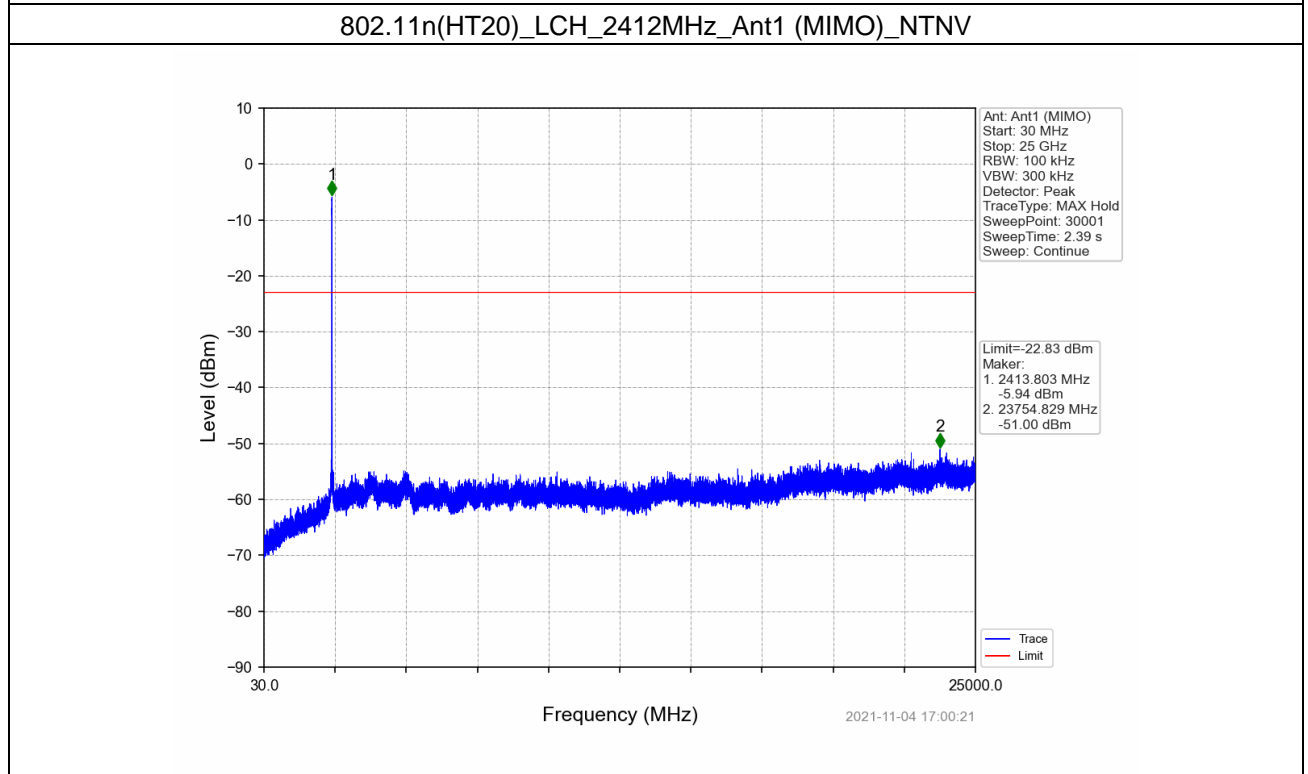
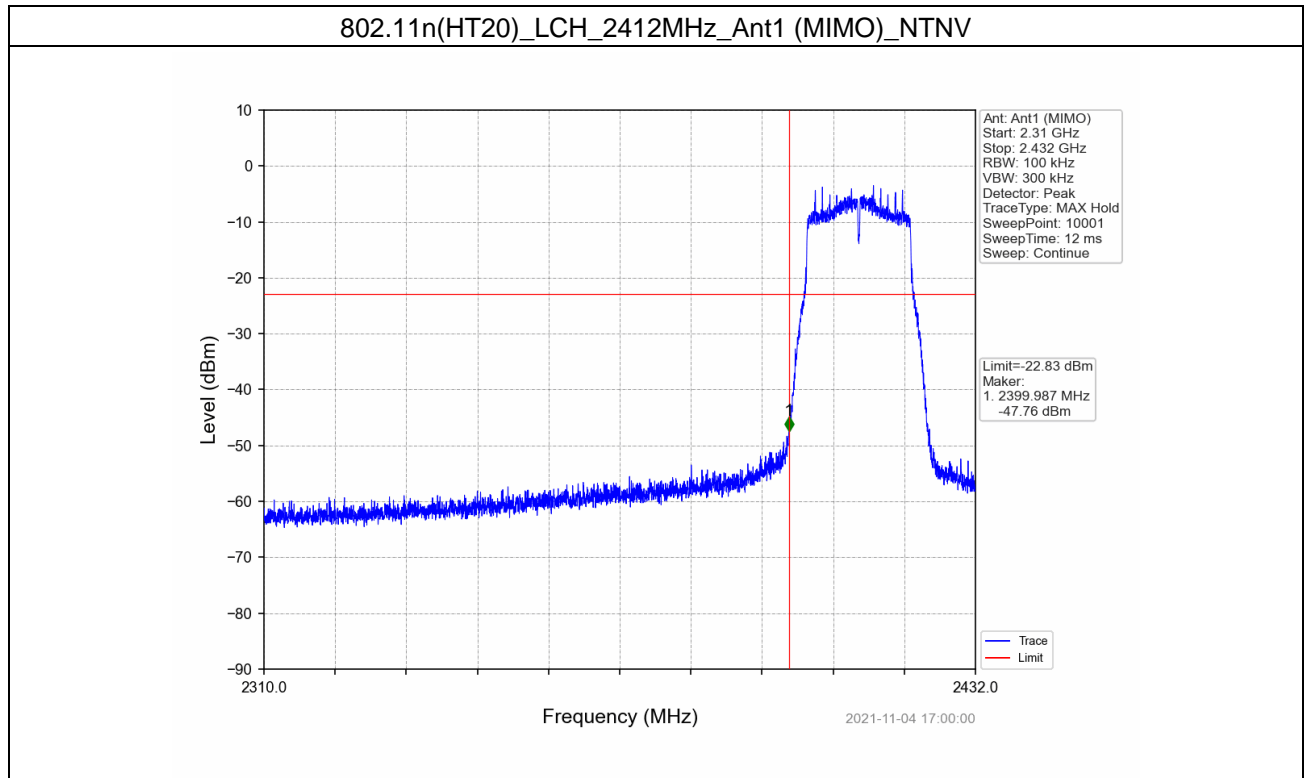
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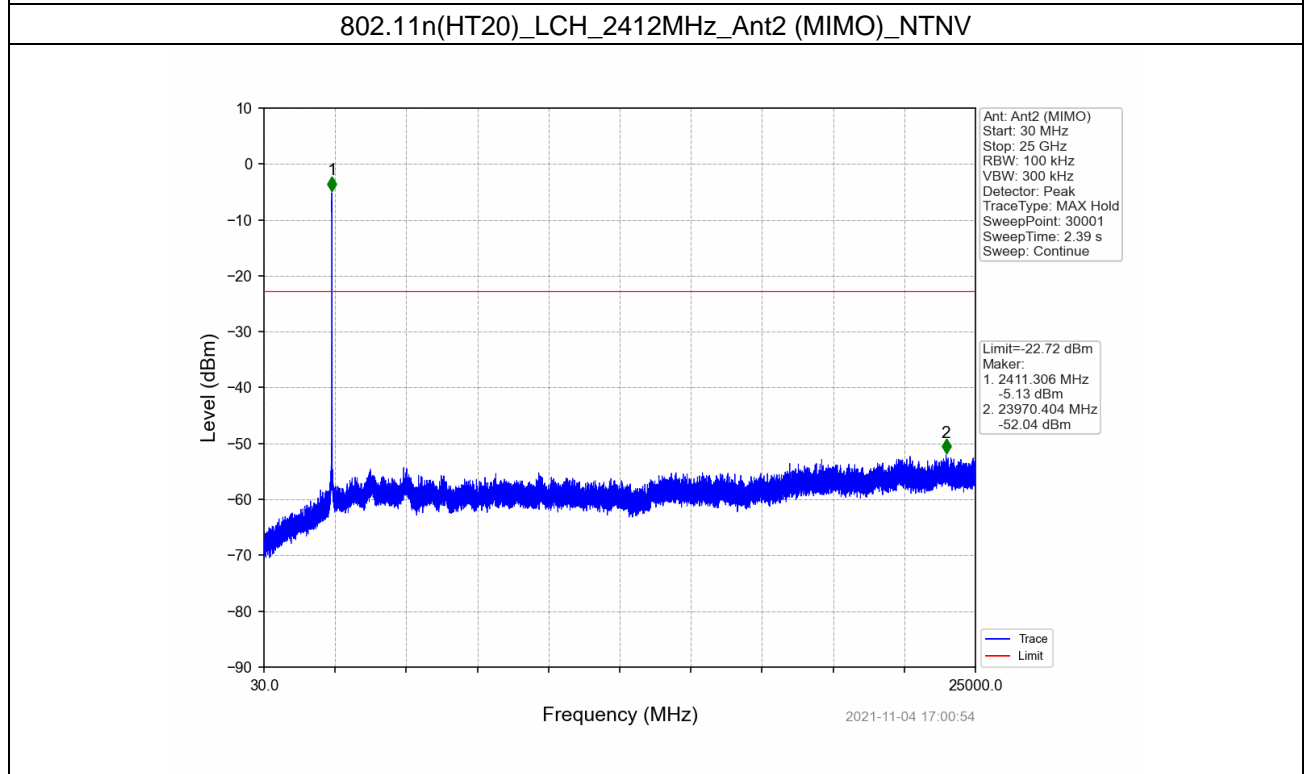
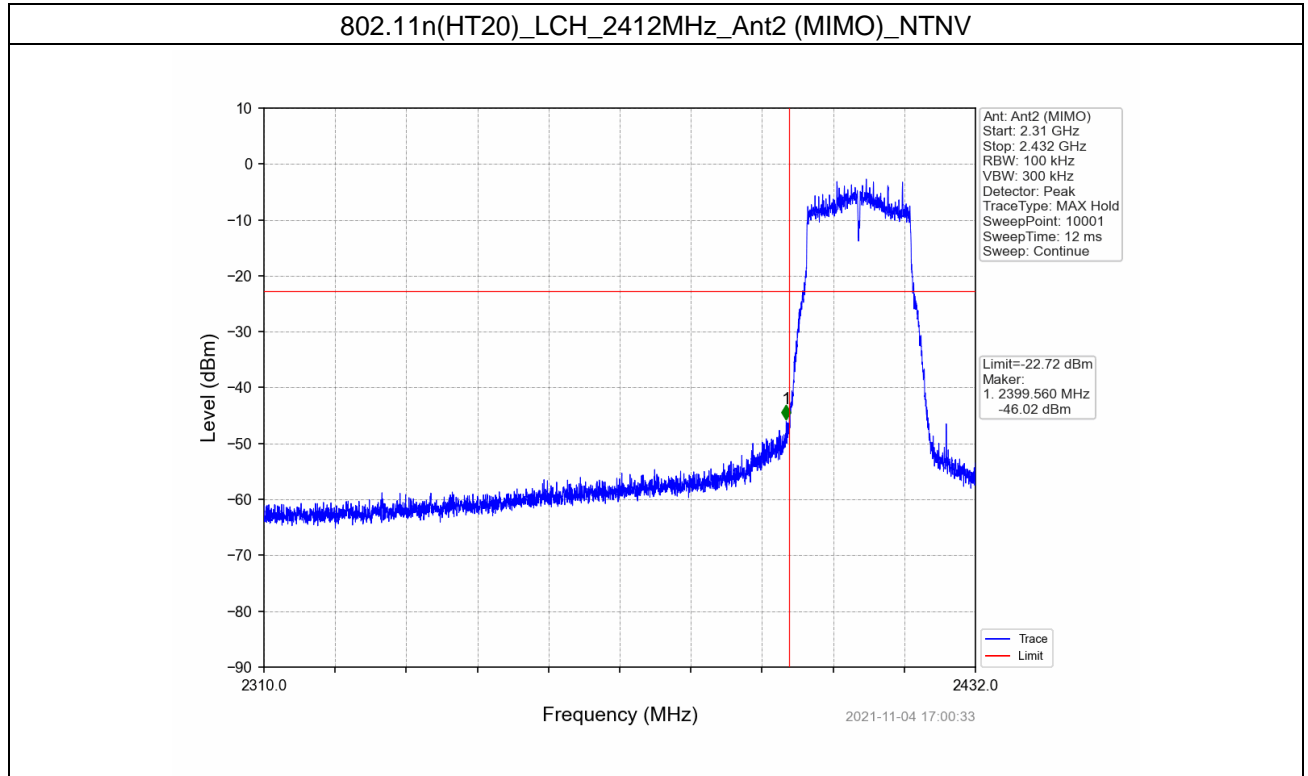
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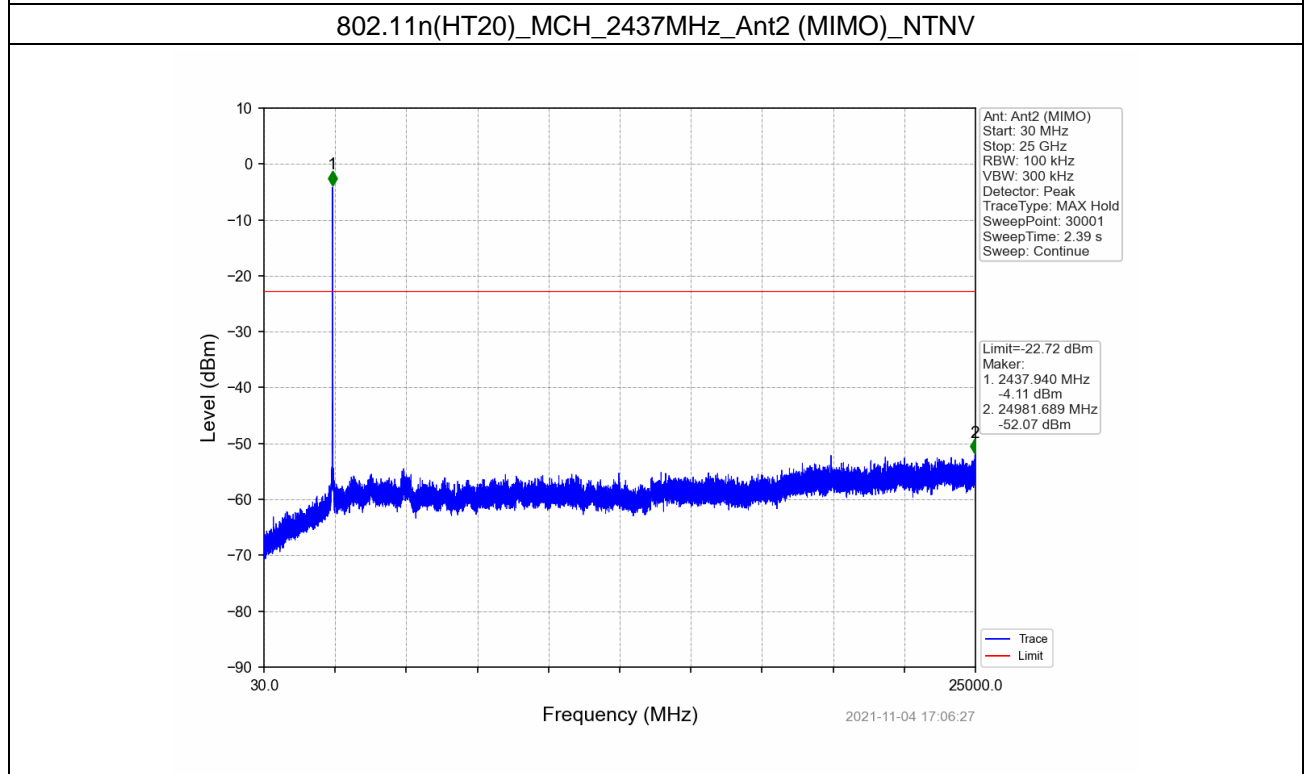
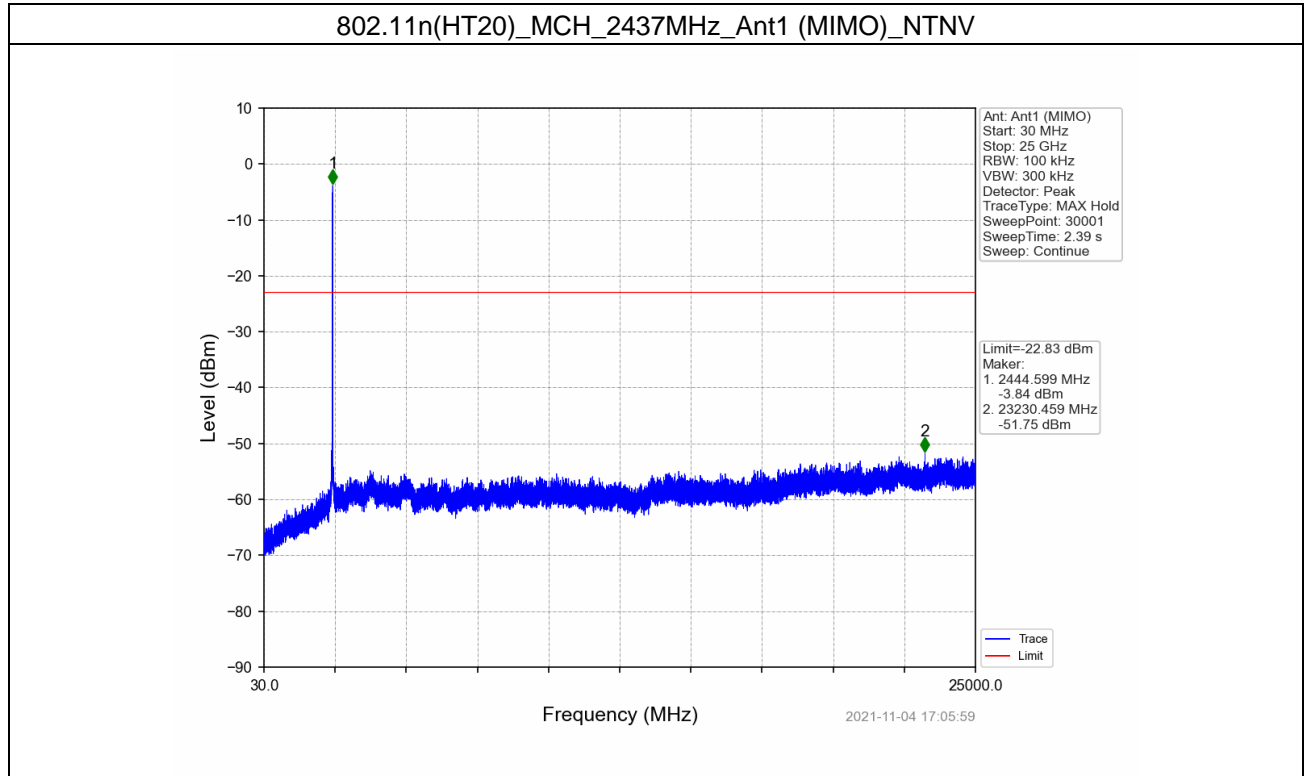
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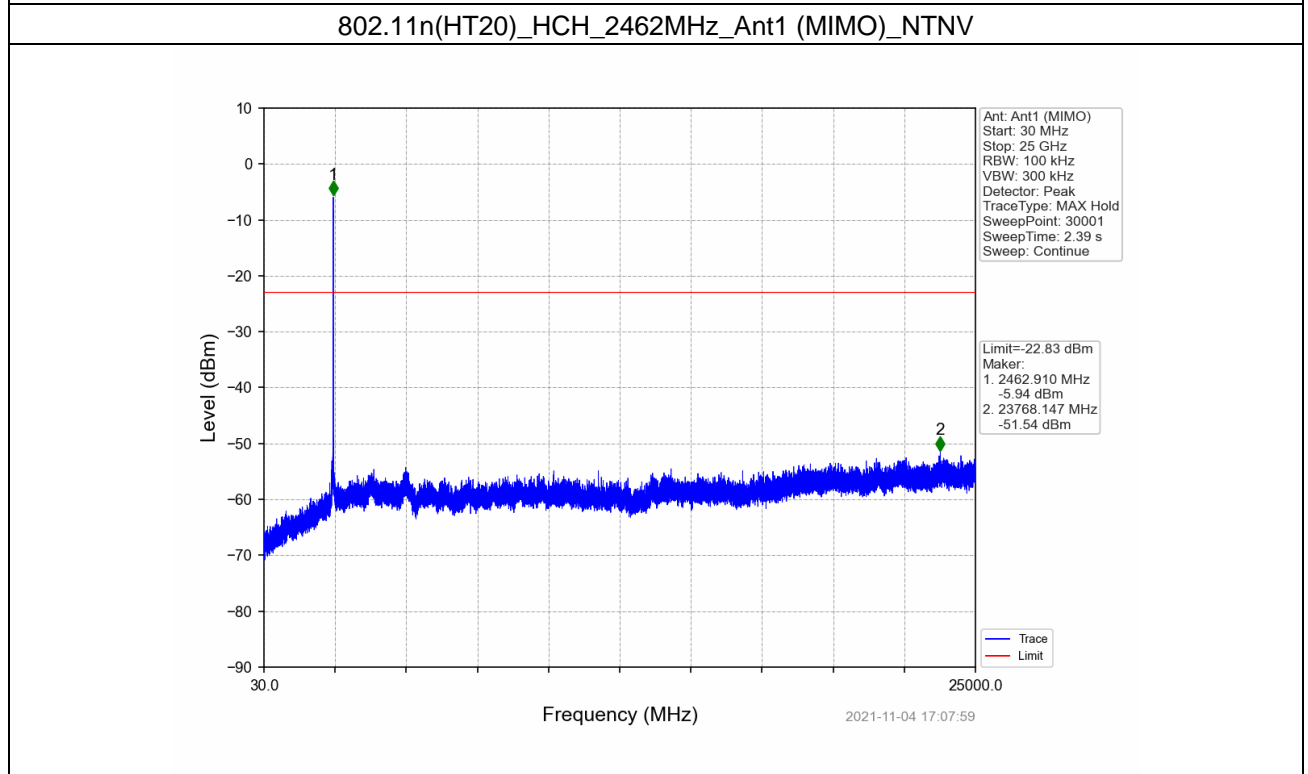
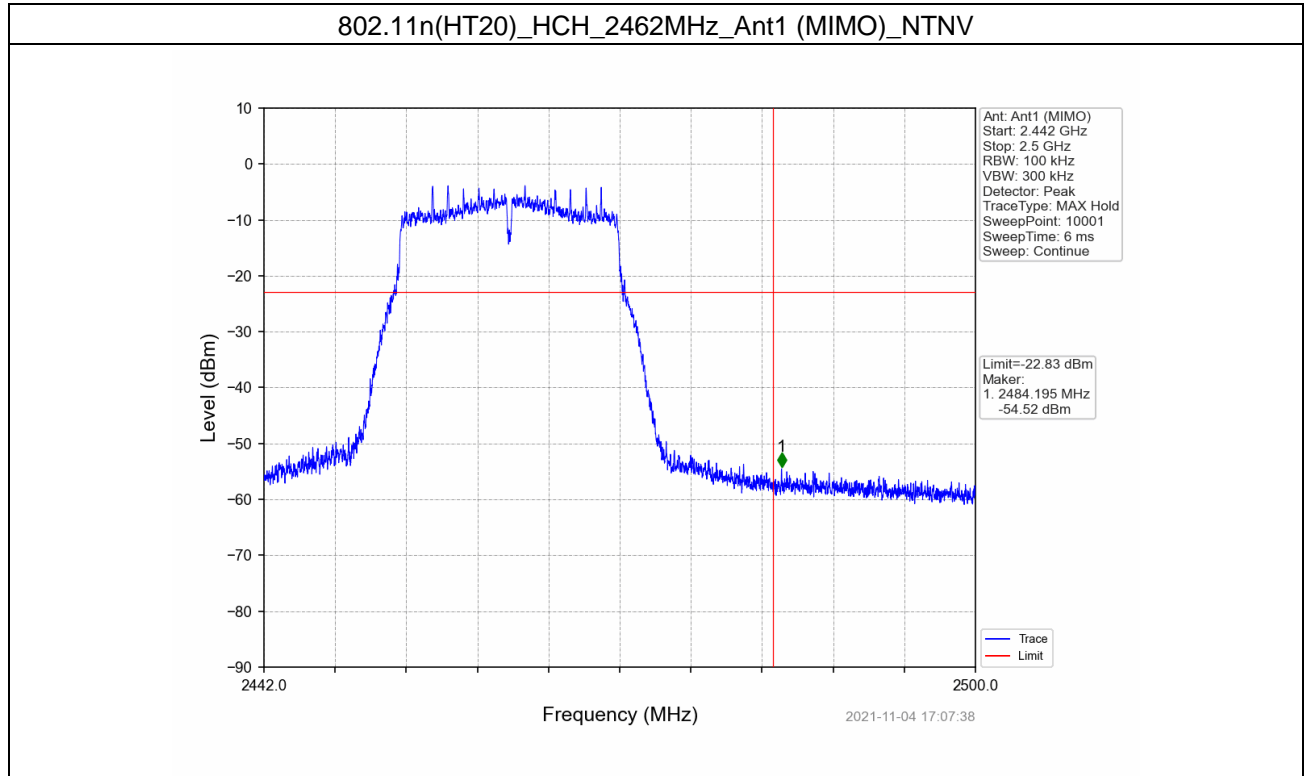


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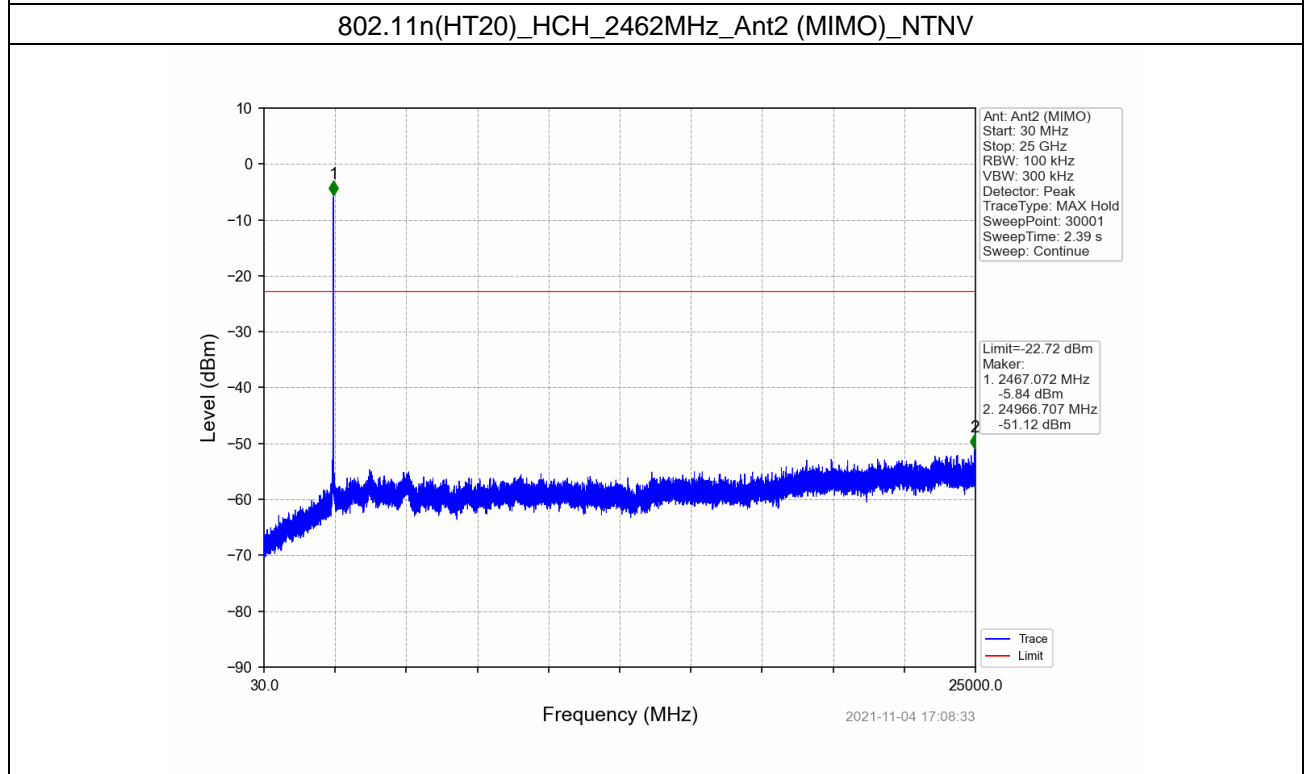
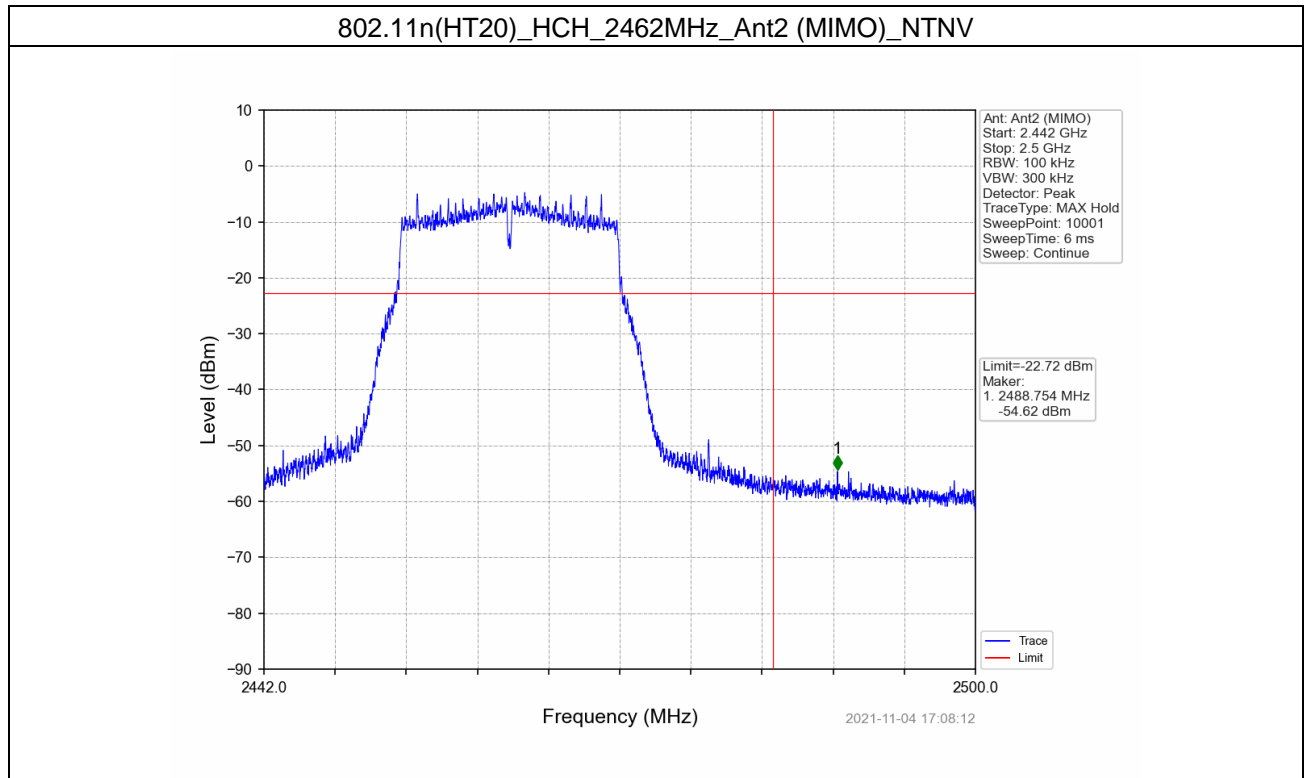
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- End of the Report -



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